WKE

OCTOBER 2025

PROJECT ID: 2140-14-70

WITH: N/A

COUNTY: MILWAUKEE

ORDER OF SHEETS

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

TOTAL SHEETS = 998



N

DESIGN DESIGNATION

A.A.D.T.	2026	=	28,550
A.A.D.T.	2046	=	28,550
D.H.V.		=	
D.D.		=	56/44
T.		=	6.8%
DESIGN SPEED		=	45/50 MPH
ESALS		=	2,500,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C MILWAUKEE 76TH STREET

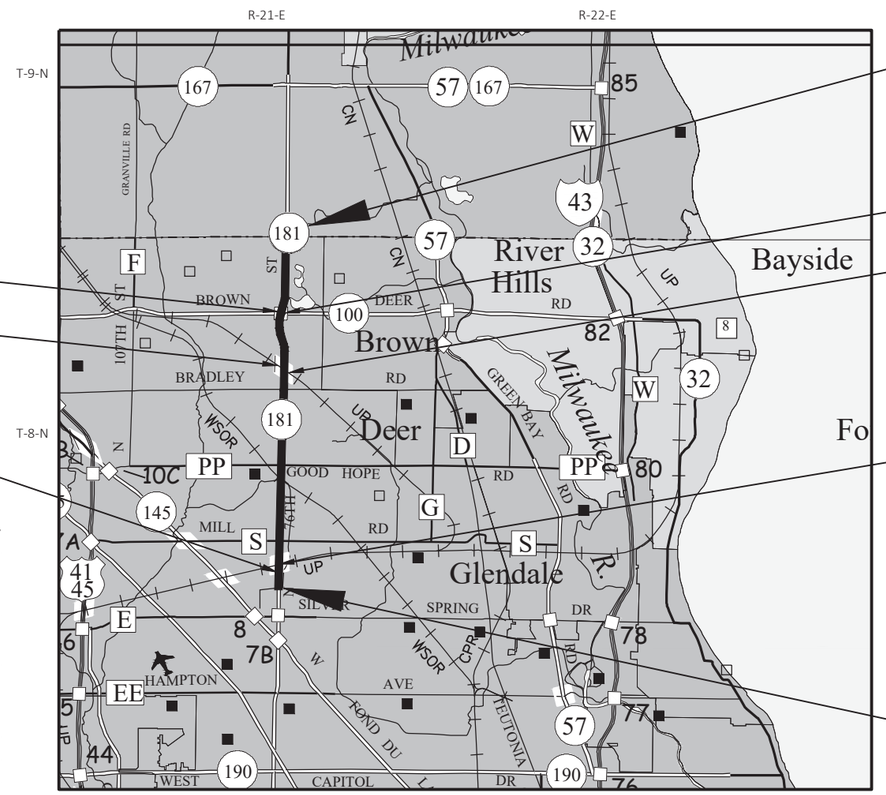
FLORIST AVE TO CTH Q

STH 181

MILWAUKEE COUNTY

STATE PROJECT NUMBER
2140-14-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2140-14-70	WISC 2025601	1



END PROJECT
STA 287+11.68

NET EXCEPTION TO CL LENGTH
STA 232+17 - STA 234+17
B-40-404

NET EXCEPTION TO CL LENGTH
STA 191+68 - STA 193+58
B-40-381

STRUCTURE C-40-53

NET EXCEPTION TO CL LENGTH
STA 192+10 - STA 193+73
B-40-380

STRUCTURE R-40-76

NET EXCEPTION TO CL LENGTH
STA 53+80 - STA 57+15
B-40-378

BEGIN PROJECT
STA 46+00
X: 580229.3207
Y: 331700.7178

LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 4.436 MI.

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

ORIGINAL PLANS PREPARED BY

DAAR ENGINEERING, INC.
www.daareng.com
Milwaukee, WI 53202
414-225-9817

ANTHONY R. DAGNIL JR. E-37379 PROFESSIONAL ENGINEER WISCONSIN

DATE: 5/1/25 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	AYRES ASSOCIATES/DAAR ENGINEERING
Designer	DAAR ENGINEERING, INC.
Project Manager	DIEGO SILVA
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	MANOJOY NAG

APPROVED FOR THE DEPARTMENT

DATE: 6/17/2025 Diego Silva (Signature)

E

LEGEND

UTILITY FACILITY	SYMBOL	UTILITY ID
WE ENERGY (ELECTRIC - OVERHEAD)	OH-WEE	WEE
WE ENERGY (ELECTRIC - UNDERGROUND)	E-WEE	WEE
WE ENERGY (GAS)	G-WEG	WEG
AMERICAN TRANSMISSION COMPANY (ELECTRIC)	OH-ATC	ATC
AT&T (COMMUNICATIONS)	FO-ATT	ATT
EVERSTREAM (COMMUNICATIONS)	FO-EVS	EVS
LEVEL 3 COMMUNICATIONS (COMMUNICATIONS)	FO-L3C	L3C
MIDWEST FIBER NETWORKS (COMMUNICATIONS)	FO-MFN	MFN
PAETEC COMMUNICATIONS (COMMUNICATIONS)	FO-PCC	PCC
SPECTRUM (COMMUNICATIONS)	FO-SPC	SPC
SPRINT COMMUNICATIONS (COMMUNICATIONS)	FO-SPR	SPR
VERIZON BUSINESS (COMMUNICATIONS)	FO-VBC	VBC
WINDSTREAM (COMMUNICATIONS)	FO-WIN	WIN
WIN TECHNOLOGY (COMMUNICATIONS)	FO-WIT	WIT
WISDOT COMMUNICATIONS (COMMUNICATIONS)	FO-WDC	WDC
WISDOT SIGNALS (SIGNAL INTERCONNECT)	IC-SIG	SIG
WISDOT LIGHTING (STREET LIGHTS)	E-WDL	WDL
MILWAUKEE LIGHTING (STREET LIGHTS)	E-MIL	MIL
MILWAUKEE CUC	CUC	CUC
MILWAUKEE METRO SEWER DISTRICT (SANITARY)	SAN	MMSD
MILWAUKEE WATER WORKS (WATER)	W-MWW	MWW
CITY OF MEQUON WATER (WATER)	W-CMW	CMW

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
STORM SEWER DETAILS
TEMPORARY SIGNAL PLANS
PERMANENT SIGNAL PLANS
SIGNAL REMOVAL PLANS
EXISTING SIGNING
PERMANENT SIGNING
PAVEMENT MARKING
TRAFFIC CONTROL

DIGGERS HOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com

HMA PAVEMENT LAYERS AND GRADATION INFORMATION

PAVEMENT LOCATION (SEE TYPICAL SECTIONS FOR EXACT STATIONS)	ASPHALTIC SURFACE MILLING DEPTH	TOTAL PAVEMENT THICKNESS	TYPE	LAYERS
W. FLORIST AVE. TO W. COUNTY LINE RD.	4"	4"	4 MT 58-28 S	1-3/4" UPPER
			3 MT 58-28 S	2-1/4" LOWER

GENERAL NOTES

MISCELLANEOUS

1. UNLESS NOTED ON THE PLAN, ALL STATIONS AND OFFSETS ARE BASED OFF OF THE STH 181 REFERENCE LINE.
2. THE CONTRACTOR SHALL COORDINATE THEIR ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA.
3. ALL CURB AND GUTTER RADII ARE MEASURED TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
4. SAWCUT EXISTING ASPHALT AND CONCRETE PAVEMENT AT THE MATCHLINE INDICATED ON THE PLANS UNLESS OTHERWISE IDENTIFIED IN THE PLAN OR AS DIRECTED BY THE ENGINEER.
5. CONTRACTOR MUST CONTACT THE PROJECT ENGINEER AND THE COUNTY SURVEYOR, AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

TRAFFIC CONTROL

6. ALL TRAFFIC CONTROL SIGNS SHALL BE 48"X 48" UNLESS OTHERWISE NOTED IN THE PLANS.
7. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
8. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATIONS AND SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
9. ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THEIR RESPECTIVE ITEMS. NO "WORKING" LIGHTS SHALL BE VISIBLE ON A COVERED OR LAID DOWN SIGN.
10. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

EROSION CONTROL

11. EROSION CONTROL DEVICES ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER.
12. EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE DEVICE IS NO LONGER REQUIRED.
13. EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER.
14. RE-TOPSOIL GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SOD AND FERTILIZE TOPSOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE TO BE LEFT EXPOSED FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED AND MULCH.
15. STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS, AND WATERWAYS, STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS TO BE LEFT FOR MORE THAN FOURTEEN (14) DAYS, RESTORE THE STOCKPILE WITH TEMPORARY SEED AND MULCH.

STANDARD ABBREVIATIONS

ABUT	ABUTMENT	MAX	MAXIMUM
ADT	AVERAGE DAILY TRAFFIC	MH	MANHOLE
AADT	ANNUAL AVERAGE DAILY TRAFFIC	MIN	MINIMUM
AGG	AGGREGATE	ML	MATCH LINE
AS	ASPHALTIC SURFACE	N	NORTH
ADJ	ADJUST	OH	OVERHEAD
AVG	AVERAGE	OPT	OPTIONAL
BAD	BASE AGGREGATE DENSE	PAVT	PAVEMENT
BM	BENCH MARK	PB	PULL BOX
CB	CATCH BASIN	PC	POINT OF CURVATURE
C&G	CURB AND GUTTER	PCC	PORTLAND CEMENT CONCRETE
CCP	CONCRETE CURB PEDESTRIAN	PERM	PERMANENT
C/L	CENTERLINE	PI	POINT OF INTERSECTION
CP	CULVERT PIPE	PLE	PERMANENT LIMITED EASEMENT
CONC	CONCRETE	PL	PROPERTY LINE
CO	COUNTY	PT	POINT OF TANGENCY
CTH	COUNTY TRUCK HIGHWAY	R	RADIUS
CTR	CENTER	R/L	REFERENCE LINE
CWT	HUNDREDWEIGHT	RT	RIGHT
CY	CUBIC YARD	R/W	RIGHT OF WAY
DIA	DIAMETER	SEC	SECTION
DHV	DESIGN HOURLY VOLUME	S	SOUTH
DWF	DETECTABLE WARNING FIELD	SDD	STANDARD DETAIL DRAWING
E	EAST	SE	SUPERELEVATION
ELEC	ELECTRIC	SF	SQUARE FEET
ELEV	ELEVATION	SOD	SOD LAWN RESTORATION
ESTR	EXISTING SIGN TO REMAIN	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
EXC	EXCAVATION	STA	STATION
EBS	EXCAVATION BELOW SUBGRADE	STH	STATE TRUNK HIGHWAY
EW	ENDWALL	STR	STRUCTURE
EXIST	EXISTING	SS	STORM SEWER
FEE	FEE SIMPLE	SY	SQUARE YARD
FL	FLOWLINE	T	TON
FT	FOOT/FEET	TEL	TELEPHONE
GRVL	GRAVEL	TEMP	TEMPORARY
HP	HIGH POINT	TLE	TEMPORARY LIMITED EASEMENT
HT	HEIGHT	TYP	TYPICAL
HOR	HORIZONTAL	UG	UNDERGROUND
INL	INLET	W	WEST
INV	INVERT	WV	WATER VALVE
LT	LEFT	X	EAST GRID COORDINATE
LL	LEVEL LANDING	Y	NORTH GRID COORDINATE
LF	LINEAR FOOT	YD	YARD
LP	LOW POINT		

WISDOT CONTACT

DIEGO SILVA, P.E.
WISCONSIN DOT - SE REGION
141 NW BARSTOW STREET
PO BOX 798
WAUKESHA, WI 53187
(262) 548-6433
diego.silva@dot.wi.gov

DESIGNER CONTACT

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DAAR ENGINEERING, INC.
(414) 935-4404
tony.baciak@daarcorp.com

UTILITY CONTACTS

AT&T LOCAL NETWORK - COMMUNICATION LINE
TIM LAPOINTE
39869 LINN ST
CANTON, MI 48147
(713) 830-7437
tl0695@att.com

AT&T LOCAL NETWORK - COMMUNICATION LINE
DALE DEFEVER
1000 TOWN CENTER, SUITE 150
SOUTHFIELD, MI 48075
(586) 242-2671
dd2579@att.com

AT&T LOCAL NETWORK - COMMUNICATION LINE
MARC BROWN
301 E MILWAUKEE ST
JANESVILLE, WI 53545
(608) 755-5535
mb2682@att.com

AT&T LOCAL NETWORK - COMMUNICATION LINE
STEVE BURCH
220 WISCONSIN AVENUE
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(262) 506-2849
sb7561@att.com

AT&T LOCAL NETWORK - COMMUNICATION LINE
JAY BULANEK
435 S 95TH ST
MILWAUKEE, WI 53214
(262) 896-7669
jb5175@att.com

ATC MANAGEMENT, INC. - ELECTRICITY-TRANSMISSION
CHRIS DAILEY
P.O. BOX 47
WAUKESHA, WI 53187
(262) 506-6884
cdailey@atcllc.com

CITY OF MILWAUKEE - UNDERGROUND CONDUIT (CUC)
CURT CAMPAGNA
1540 W CANAL STREET, 2ND FLOOR
MILWAUKEE, WI 53233
(414) 286-5967
cacampa@milwaukee.gov

UTILITY CONTACTS

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TREMEL REMBERT
1440 W CANAL STREET
MILWAUKEE, WI 53233
(414) 286-3686
trembe@milwaukee.gov

CITY OF MILWAUKEE - SEWERS
ZAFAR YOUSEF
841 N BROADWAY
MILWAUKEE, WI 53202
(414) 286-2467 or (414) 286-7028
zyousu@milwaukee.gov

CITY OF MILWAUKEE - WATER WORKS
JOSHUA IWEN
841 N BROADWAY, 4TH FLOOR
MILWAUKEE, WI 53202
(414) 286-3640 or (414) 286-3710 (Control Center 24 / 7)
jiwen@milwaukee.gov

EVERSTREAM-COMMUNICATION LINE
SHAD GARCIA
324 E WISCONSIN AVE, SUITE 730
MILWAUKEE, WI 53202
(414) 522-6685
sgarcia@everstream.net

LEVEL 3 COMMUNICATIONS LLC-COMMUNICATION LINE
BRAHIM GADDOUR
3235 INTERTECH DRIVE, SUITE 600
BROOKFIELD, WI 53045
(414) 908-1027
brahim.gaddour@lumen.com

MIDWEST FIBER NETWORKS LLC-COMMUNICATION LINE
CORY SCHMUKI
6070 NORTH FLINT RD
GLENDALE, WI 53209
(414) 456-3561 or (414) 349-2764
cshmuki@midwestfibernetworks.com

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT-SEWER
MICHAEL LEE
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314 N DANZ AVE
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SPECTRUM - COMMUNICATIONS LINE
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1320 N DR MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53207
(414) 239-5880
bryan.jankowski@charter.com

UTILITY CONTACTS

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KEVIN PERSON
849 EARL ST
ST PAUL, MN 55106
(612) 275-4131
kperson@cogento.com

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RJ CICATELLO JR
15725 W RYERSON RD
NEW BERLIN, WI 53151
(262) 232-1323
randy.cicatello@verizon.com

WE ENERGIES - ELECTRICITY
WICHAI XIONG
500 S 116TH ST
WEST ALLIS, WI 53214
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Wichai.Xiong1@wecenergygroup.com

WE ENERGIES - GAS/PETROLEUM
ANDREW SCHARA
500 S 116TH ST
WEST ALLIS, WI 53214
(414) 751-7287
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WINDSTREAM KDL, LLC - COMMUNICATION LINE
LORI KETTER
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(414) 274-9215
lori.ketter@windstream.com

WINDSTREAM NTI, LLC - COMMUNICATION LINE
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OTHER CONTACTS

CITY OF MEQUON DEPARTMENT OF PUBLIC WORKS - ROAD FACILITY
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CITY OF MEQUON DEPARTMENT OF PUBLIC WORKS - SEWER
KRISTEN LUNDEEN
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CITY OF MEQUON DEPARTMENT OF PUBLIC WORKS - WATER
MIRANDA DURBIN
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OTHER CONTACTS

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1540 W CANAL STREET
MILWAUKEE, WI 53233
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CITY OF MILWAUKEE - STREET LIGHTING
NEAL KARWEIK
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elee@milwaukee.gov

CITY OF MILWAUKEE - FORESTRY
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MILWAUKEE COUNTY DOT - HIGHWAY MAINTENANCE
EDUARDO SANTIAGO
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MILWAUKEE COUNTY DOT - TRANSPORTATION SERVICES
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10930 W. LAPHAM STREET
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daniel.murphy@milwaukeecountywi.gov

MILWAUKEE COUNTY PARKS DEPARTMENT - ELECTRICITY
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OZAUKEE COUNTY-ROAD FACILITY
JOHN EDGREN
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(415) 238-8225
jedgren@co.ozaukee.wi.us

VILLAGE OF BROWN DEER - SEWER
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OTHER CONTACTS

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OTHER CONTACTS

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WISDOT - WISCONSIN SIGNAL
WISDOT SIGNAL OPERATIONS
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WAUKESHA, WI 53187
(414) 750-2605

WISDOT ELECTRICAL FIELD UNIT
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WEST ALLIS, WI 53214
414-266-1170

WISDOT ATR PULL BOXES-ELECTRICITY
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3633 PIERSTORFF STREET
MADISON, WI 53702
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russell.lewis@dot.wi.gov

2

N

NET EXCEPTION TO CL LENGTH
STA 53+80 - STA 57+15
B-40-378

STRUCTURE R-40-76
MINOR REPAIR

BEGIN PROJECT
STA 46+00

-5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

N. 76TH STREET

FLORIST AVENUE

UNION PACIFIC RAILROAD

MILL ROAD

ACACIA STREET

GREEN TREE ROAD

GOOD HOPE ROAD

WISCONSIN & SOUTHERN RAILROAD

STRUCTURE B-40-379
WSOR BRIDGE - NO WORK

STRUCTURE B-40-386
NO WORK

181

COUNTY S

COUNTY PP

N

NET EXCEPTION TO CL LENGTH
STA 192+10 - STA 193+73
B-40-380

NET EXCEPTION TO CL LENGTH
STA 232+17 - STA 234+17
B-40-404

145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285

N. 76TH STREET

CALUMET ROAD

BRADLEY ROAD

W TOWAR AVE.

UNION PACIFIC RAILROAD

SERVITE DRIVE

DEAN ROAD

ALLYN STREET

NORTHRIDGE LAKES BOULEVARD

181

100

COUNTY Q

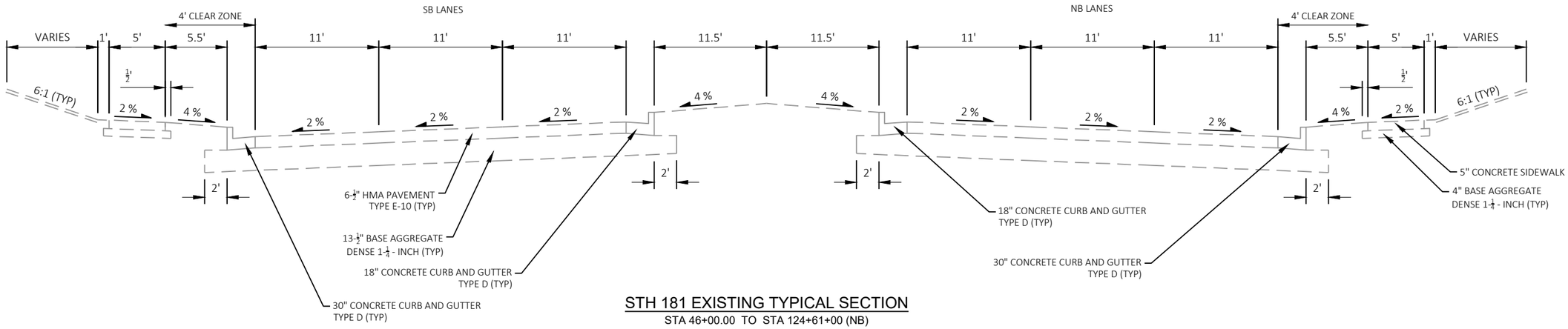
END PROJECT
STA 287+11.68

NET EXCEPTION TO CL LENGTH
STA 191+68 - STA 193+58
B-40-381

STRUCTURE C-40-53
MINOR REPAIRS

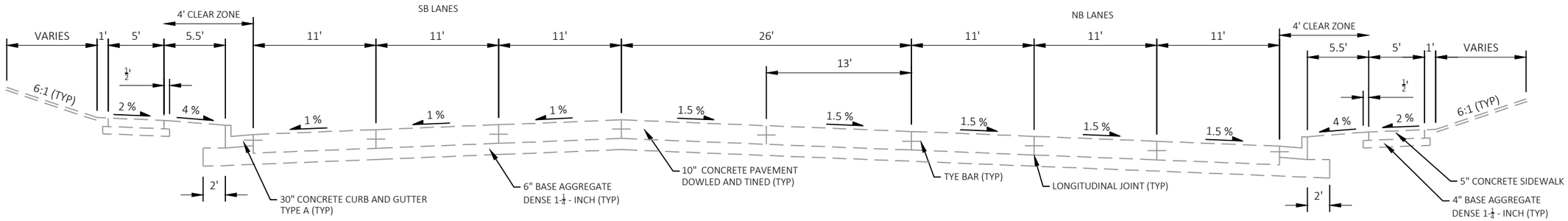
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\OLD\020201_PO.DWG
LAYOUT NAME - 01
PLOT DATE : 7/25/2025 12:29 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42



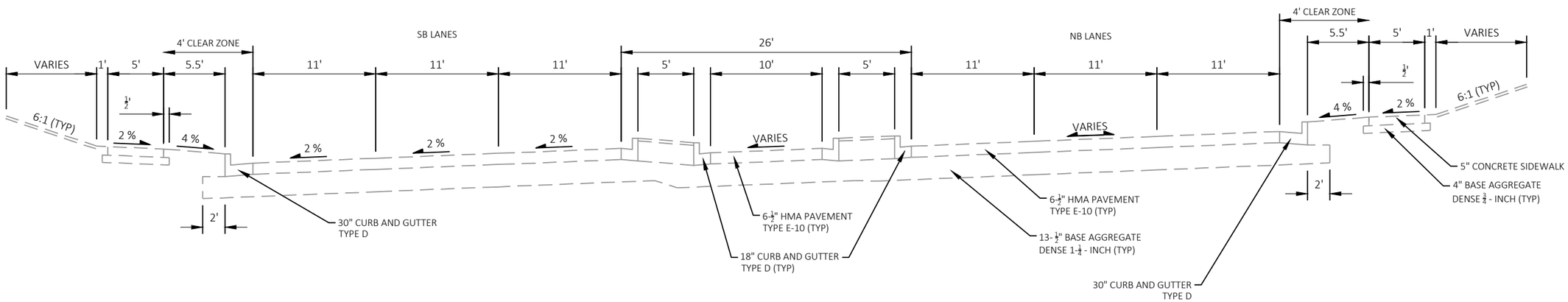
STH 181 EXISTING TYPICAL SECTION

STA 46+00.00 TO STA 124+61+00 (NB)
STA 46+00.00 TO STA 125+03.30 (SB)
STA 127+50.00 TO STA 140+00.00 (NB)
STA 127+81.00 TO STA 140+00.00 (SB)
*STA 140+00.00 TO STA 204+92.00



STH 181 EXISTING TYPICAL SECTION

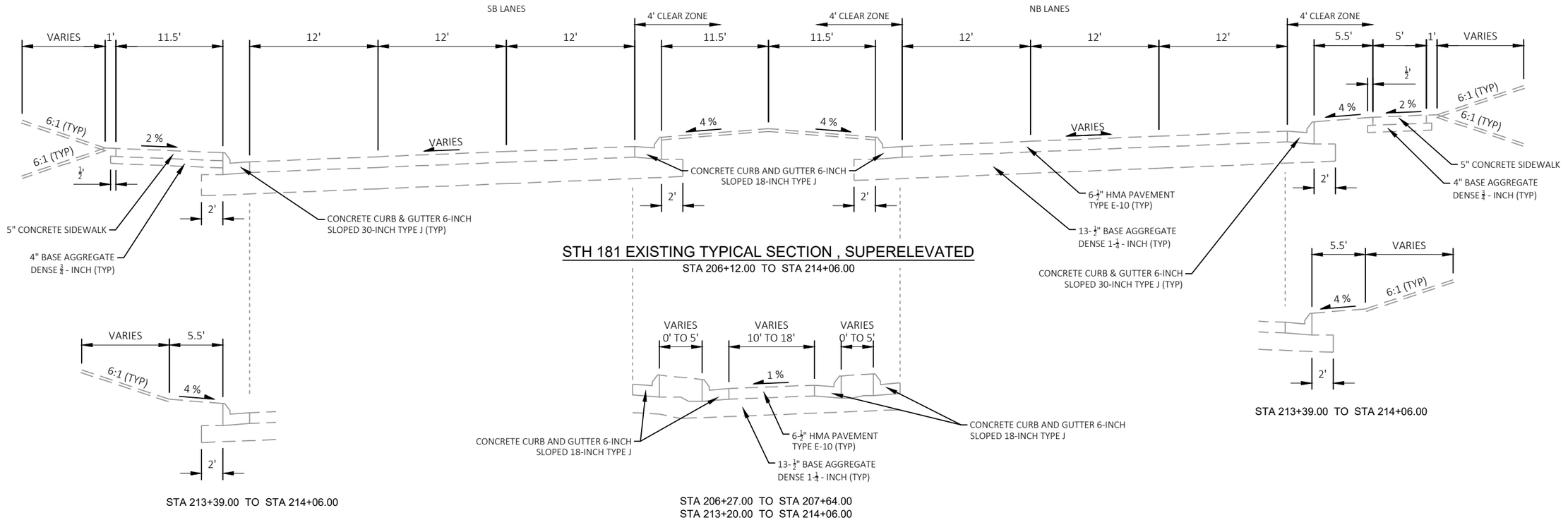
STA 124+61.00 TO STA 127+50.00 (NB)
STA 125+03.30 TO STA 127+81.00 (SB)



STH 181 EXISTING TYPICAL SECTION , SUPERELEVATED

STA 204+92.00 TO STA 206+12.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 5	E



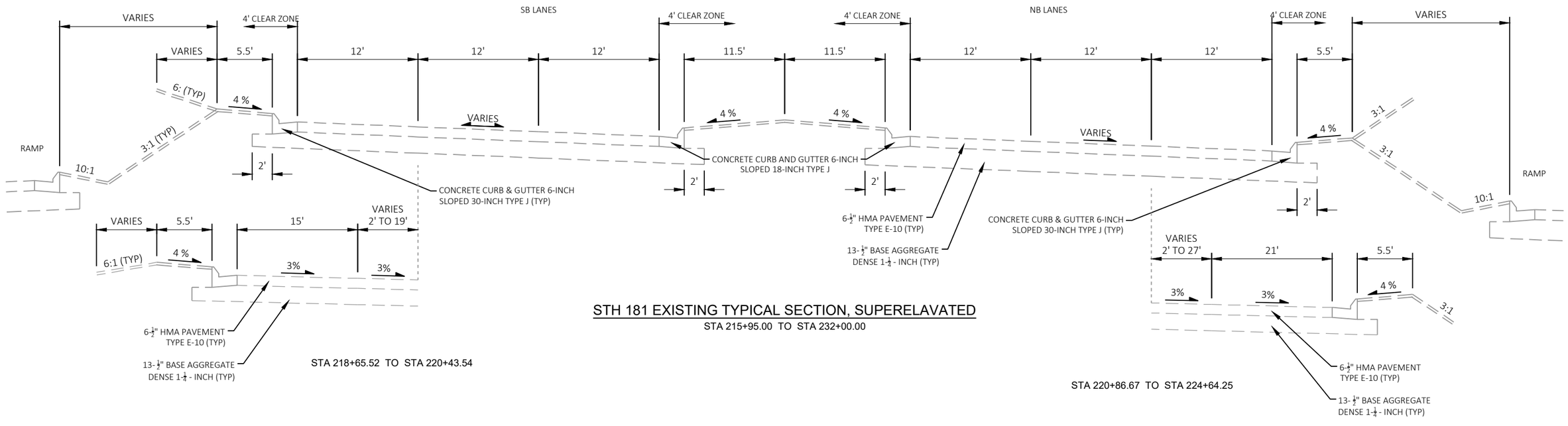
STH 181 EXISTING TYPICAL SECTION , SUPERELEVATED

STA 206+12.00 TO STA 214+06.00

STA 213+39.00 TO STA 214+06.00

STA 213+39.00 TO STA 214+06.00

STA 206+27.00 TO STA 207+64.00
STA 213+20.00 TO STA 214+06.00



STH 181 EXISTING TYPICAL SECTION, SUPERELAVATED

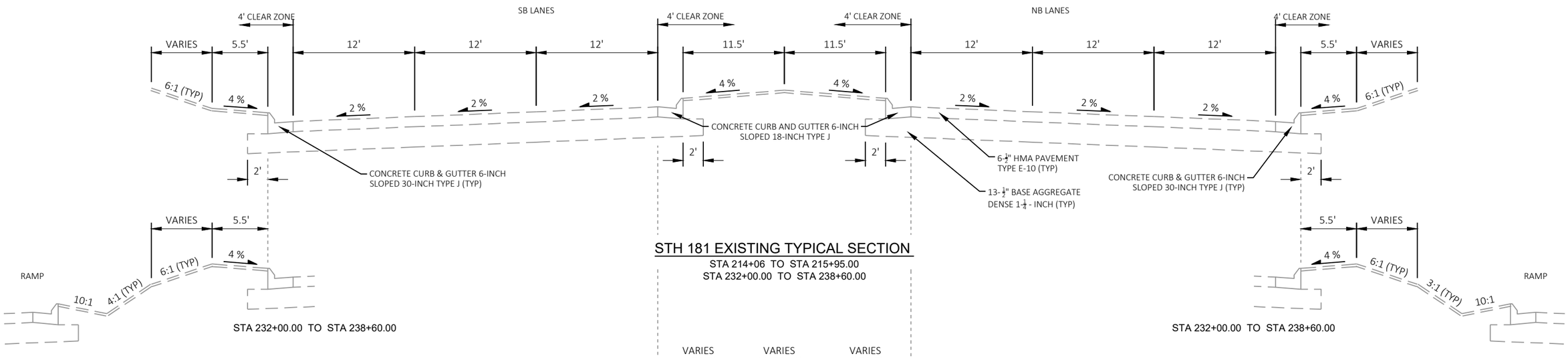
STA 215+95.00 TO STA 232+00.00

STA 218+65.52 TO STA 220+43.54

STA 220+86.67 TO STA 224+64.25

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 6	E

2

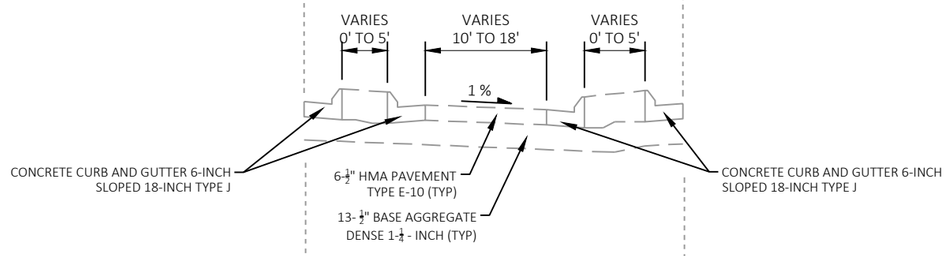


STH 181 EXISTING TYPICAL SECTION

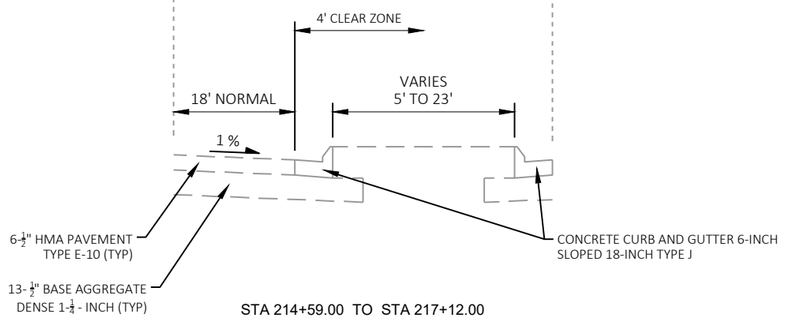
STA 214+06 TO STA 215+95.00
STA 232+00.00 TO STA 238+60.00

STA 232+00.00 TO STA 238+60.00

STA 232+00.00 TO STA 238+60.00

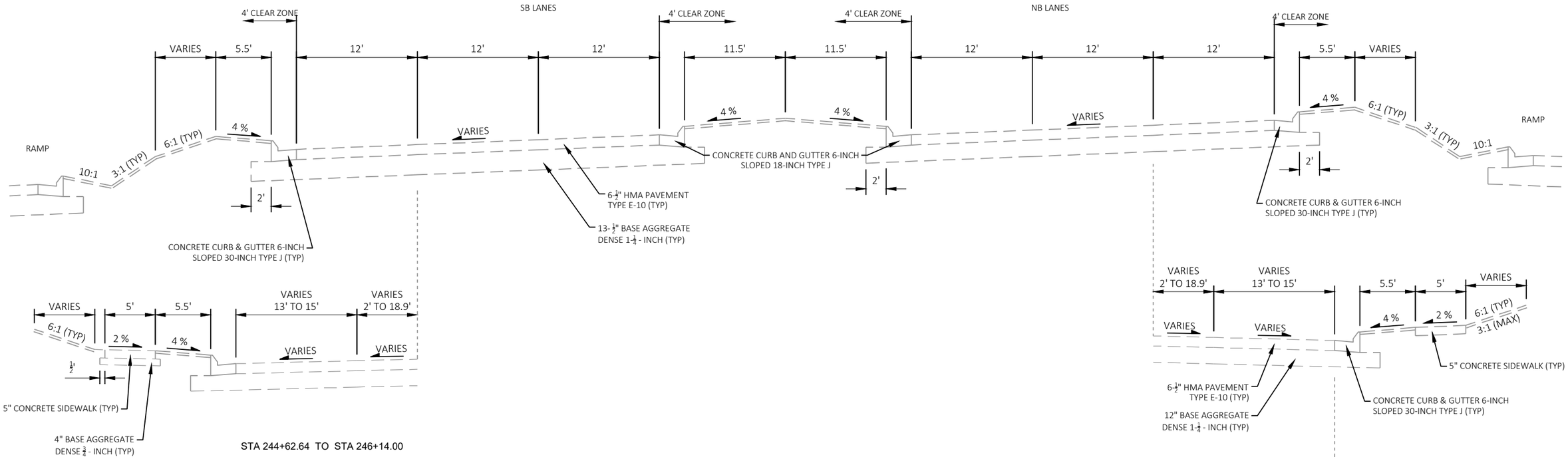


STA 214+06.00 TO STA 214+59.00



STA 214+59.00 TO STA 217+12.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 7	E



STH 181 EXISTING TYPICAL SECTION, SUPERELAVATED

STA 238+60.00 TO STA 246+14.00

STH 181 EXISTING TYPICAL SECTION

STA 246+14.00 TO STA 257+50.00

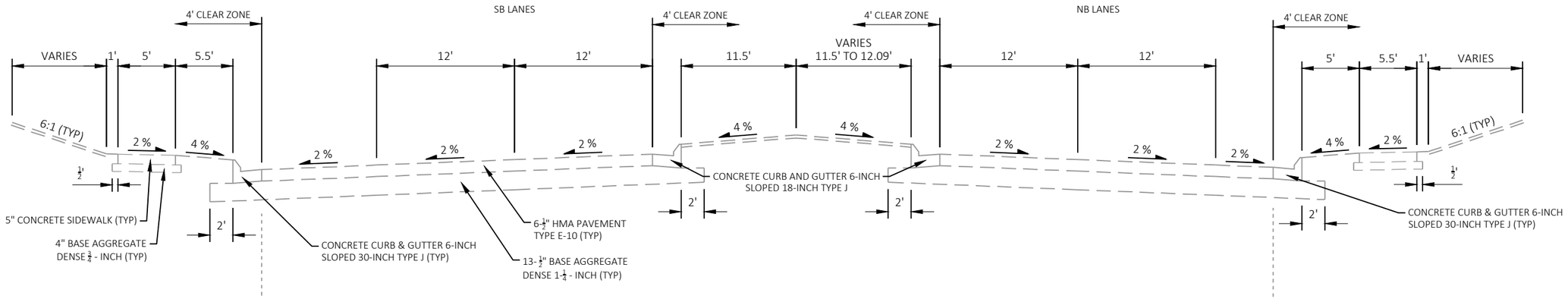
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 8	E

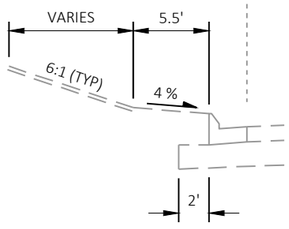
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 04

PLOT DATE : 4/23/2025 2:10 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

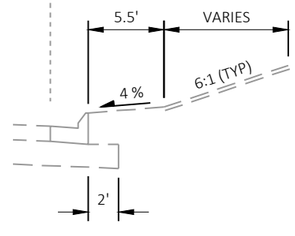




STA 276+84 TO STA 280+29
STA 281+00 TO STA 287+11.68

STH 181 EXISTING TYPICAL SECTION

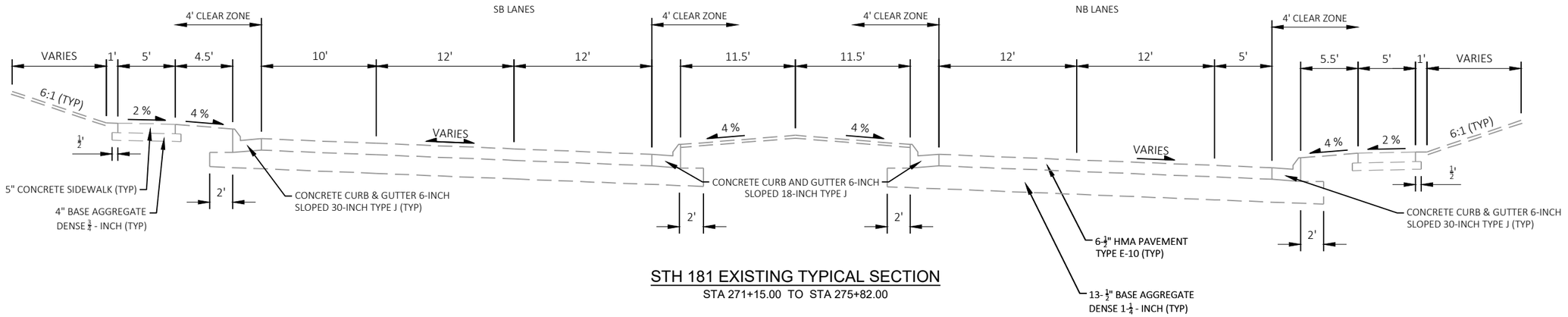
STA 257+50 TO STA 271+15
STA 275+82 TO STA 287+11.68



STA 275+34 TO STA 280+29
STA 281+00 TO STA 287+11.68

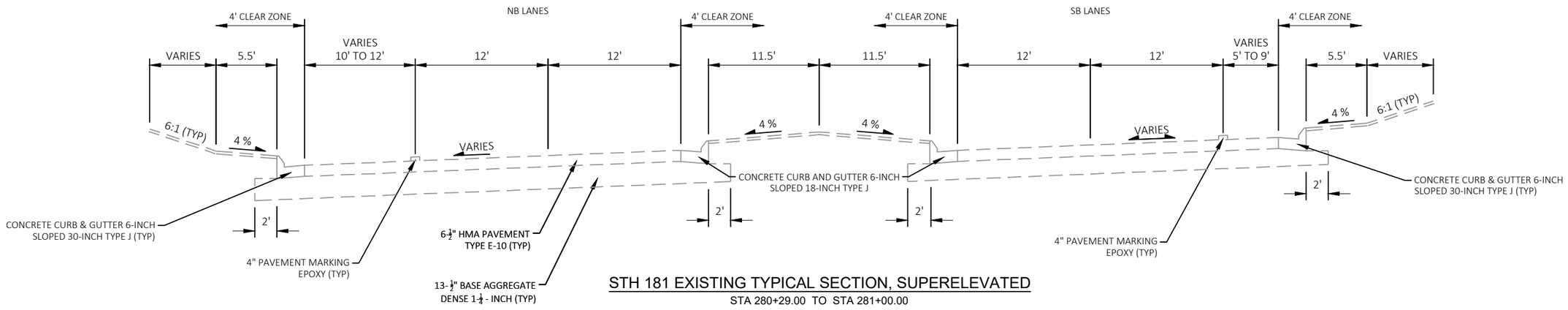
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 9	E

2



STH 181 EXISTING TYPICAL SECTION

STA 271+15.00 TO STA 275+82.00

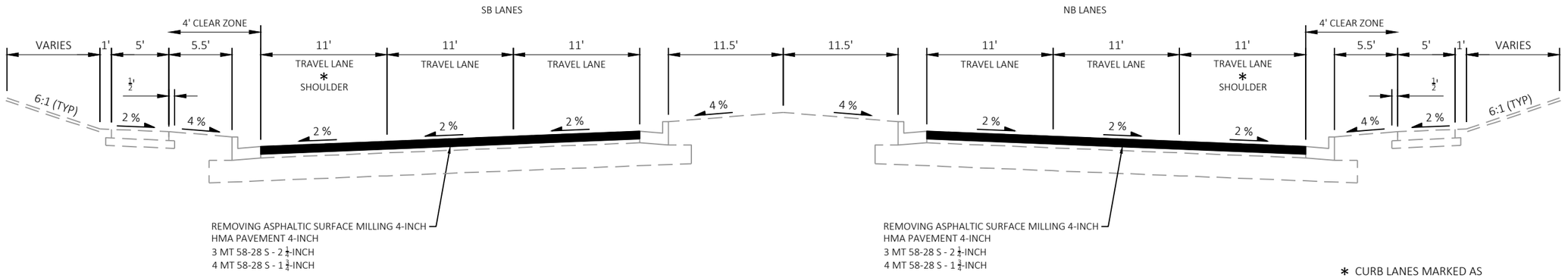


STH 181 EXISTING TYPICAL SECTION, SUPERELEVATED

STA 280+29.00 TO STA 281+00.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 10	E

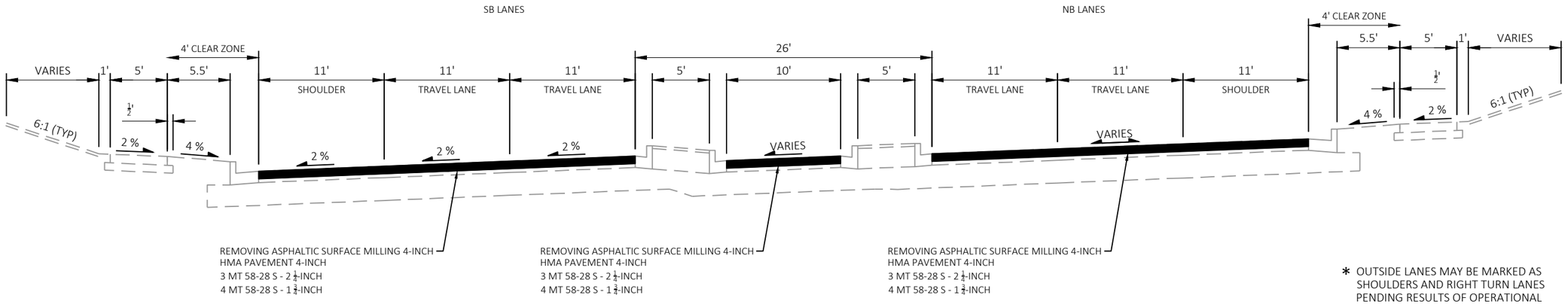
2



* CURB LANES MARKED AS
STA 153+50.00 TO STA 204+92.00
(SEE DETAILS/PLAN SHEETS)

STH 181 FINISHED TYPICAL SECTION

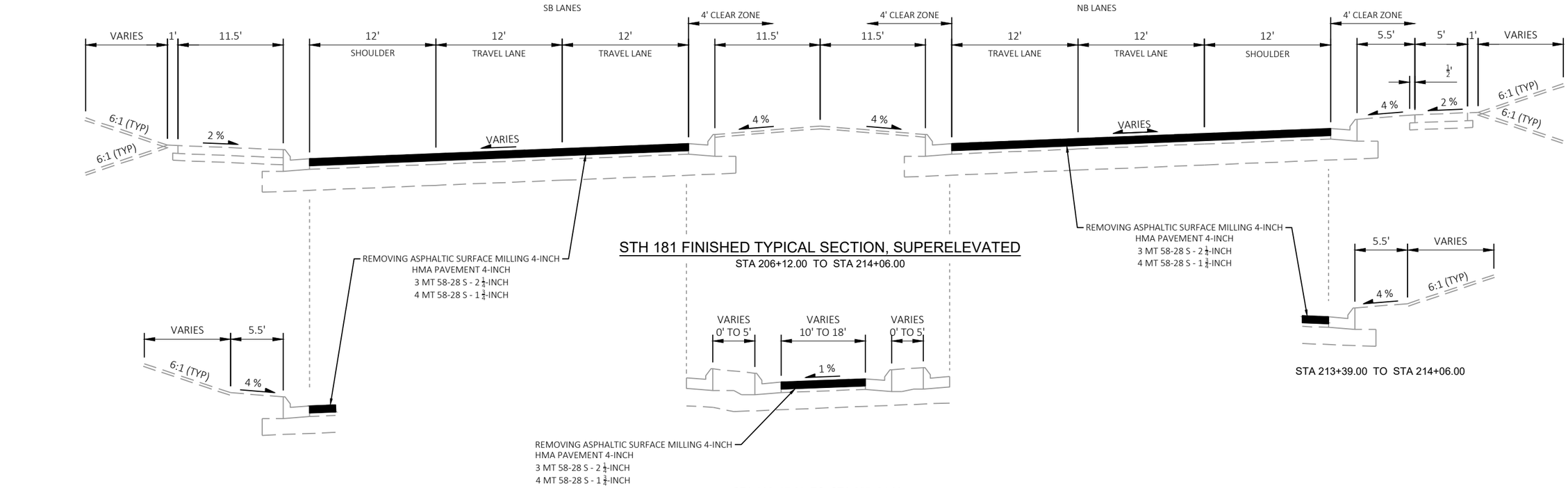
STA 46+00.00 TO STA 124+61+00 (NB)
STA 46+00.00 TO STA 125+03.30 (SB)
STA 127+50.00 TO STA 140+00.00 (NB)
STA 127+81.00 TO STA 140+00.00 (SB)
*STA 140+00.00 TO STA 204+92.00



* OUTSIDE LANES MAY BE MARKED AS SHOULDERS AND RIGHT TURN LANES PENDING RESULTS OF OPERATIONAL ANALYSIS

STH 181 FINISHED TYPICAL SECTION, SUPERELEVATED

STA 204+92.00 TO STA 206+12.00



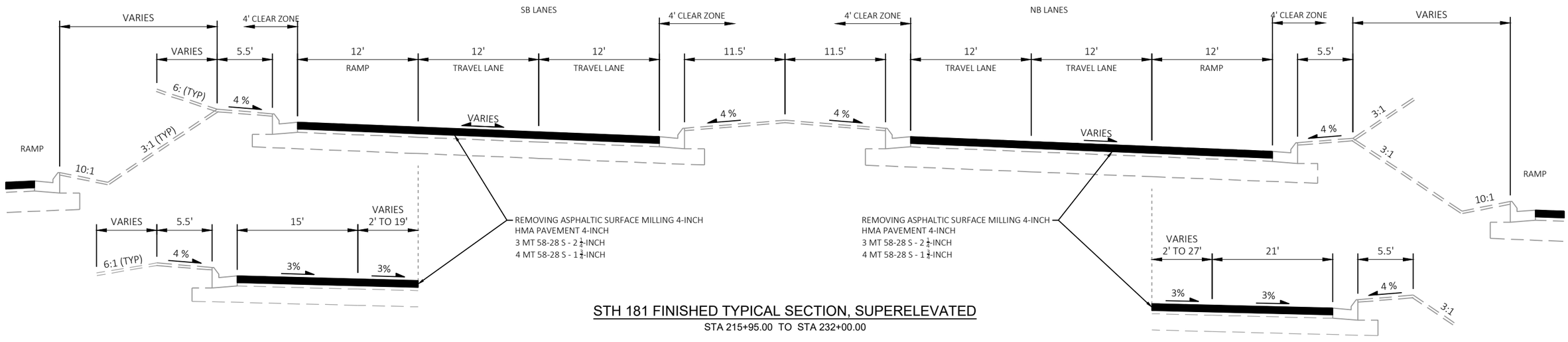
STH 181 FINISHED TYPICAL SECTION, SUPERELEVATED

STA 206+12.00 TO STA 214+06.00

STA 213+39.00 TO STA 214+06.00

STA 206+27.00 TO STA 207+64.00
STA 213+20.00 TO STA 214+06.00

STA 213+39.00 TO STA 214+06.00



STH 181 FINISHED TYPICAL SECTION, SUPERELEVATED

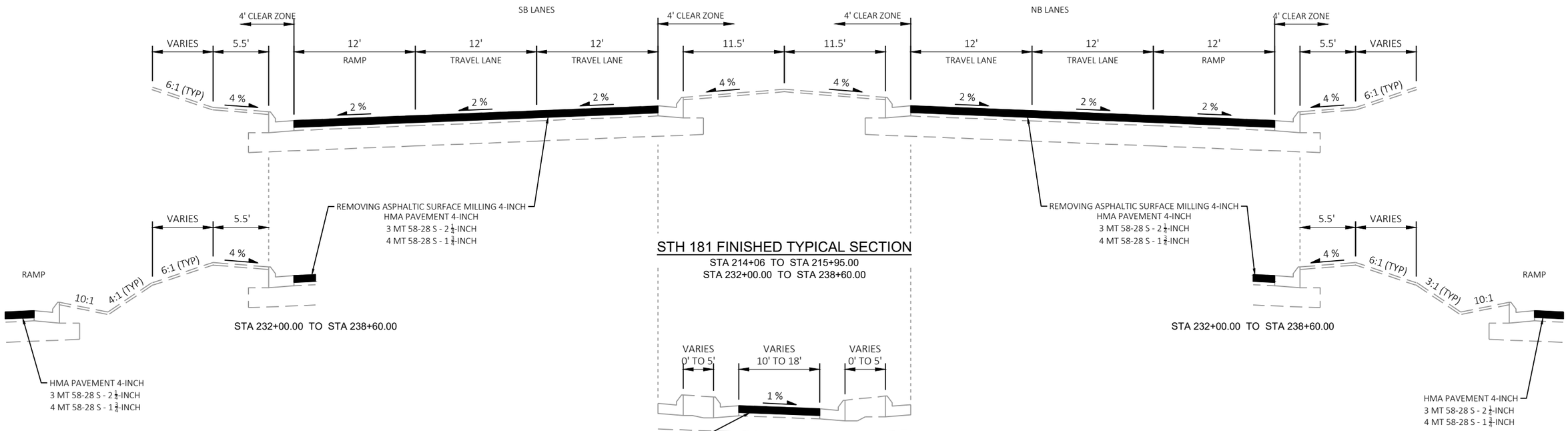
STA 215+95.00 TO STA 232+00.00

STA 218+65.52 TO STA 220+43.54

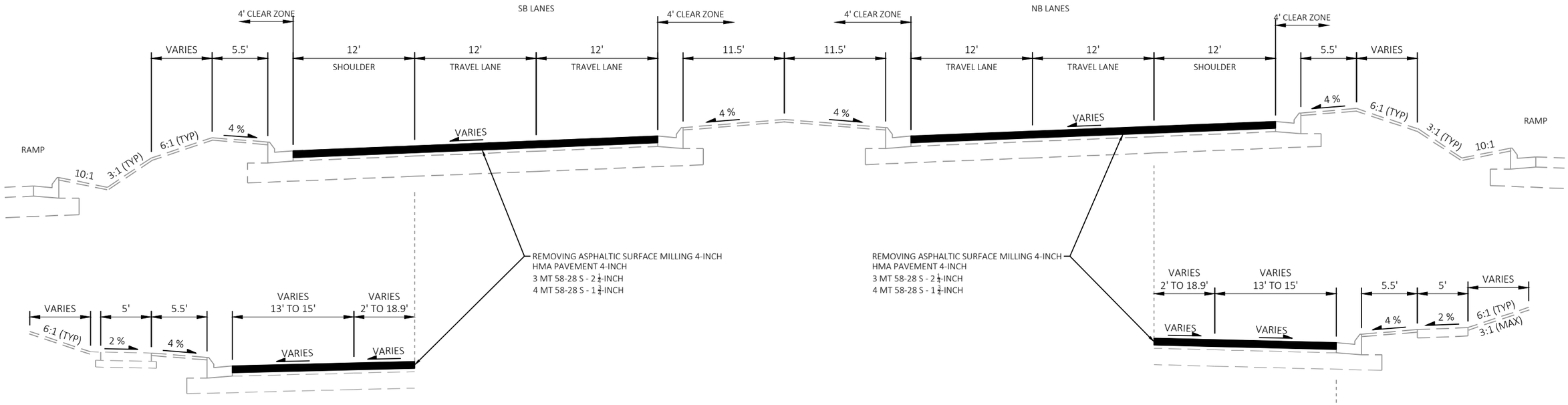
STA 220+86.67 TO STA 224+64.25

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 12	E

2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 13	E

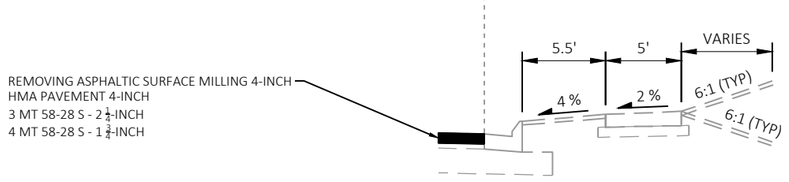


STA 244+62.64 TO STA 246+14.00

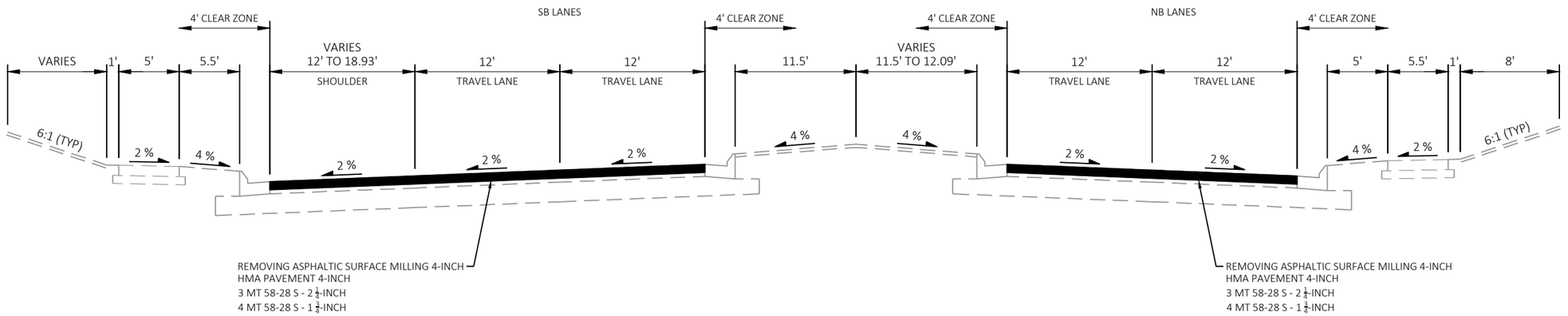
STA 242+29.00 TO STA 243+72.58

STH 181 FINISHED TYPICAL SECTION, SUPERELEVATED

STA 238+60.00 TO STA 246+14.00



STA 243+72.58 TO STA 246+14.00



STH 181 FINISHED TYPICAL SECTION

STA 246+14.00 TO STA 257+50.00

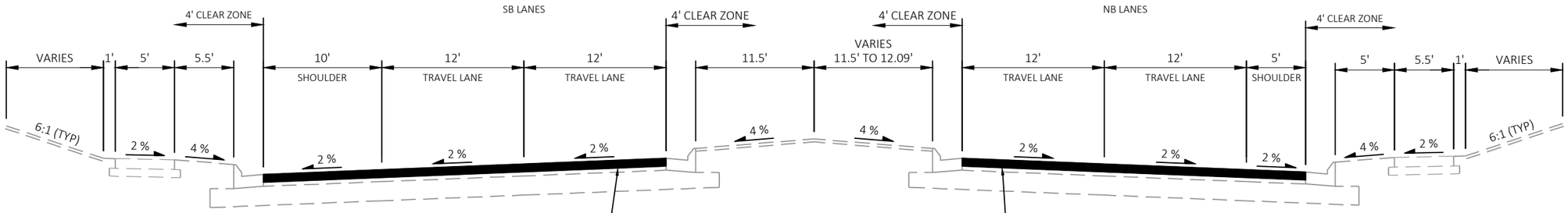
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 14	E

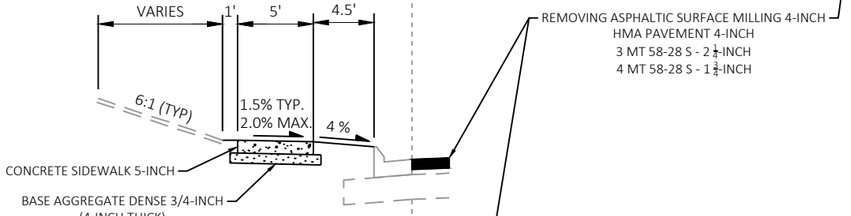
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 10

PLOT DATE : 4/23/2025 2:10 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT

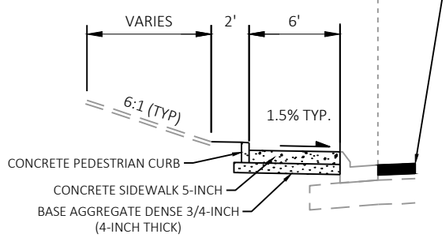
WISDOT/CADDS SHEET 42

2

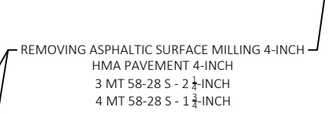




STA 275+82 TO STA 278+25
STA 283+75 TO STA 286+00

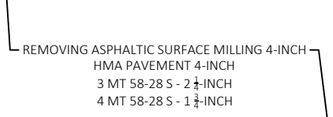


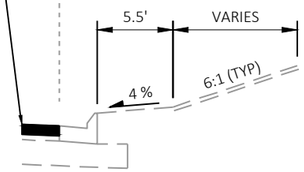
STA 278+25 TO STA 280+29
STA 281+00 TO STA 283+75



STH 181 FINISHED TYPICAL SECTION

STA 257+50.00 TO STA 271+15.00
STA 275+82.00 TO STA 280+29.00

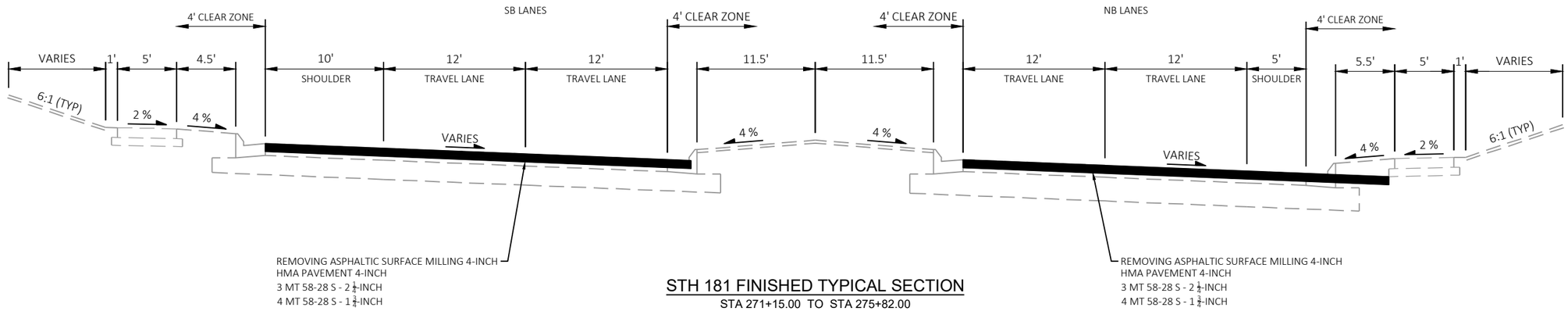




STA 275+34 TO STA 280+29

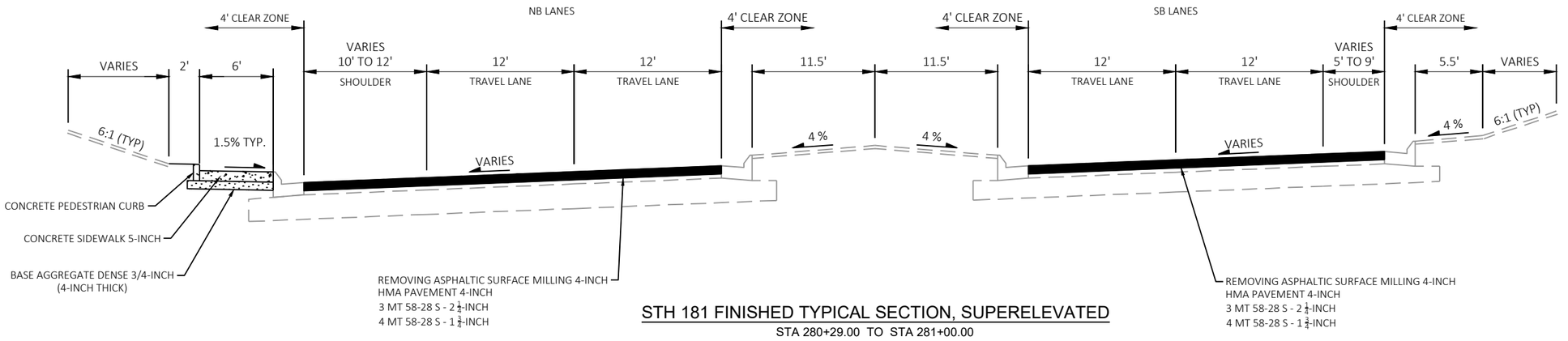
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 15	E

2



STH 181 FINISHED TYPICAL SECTION

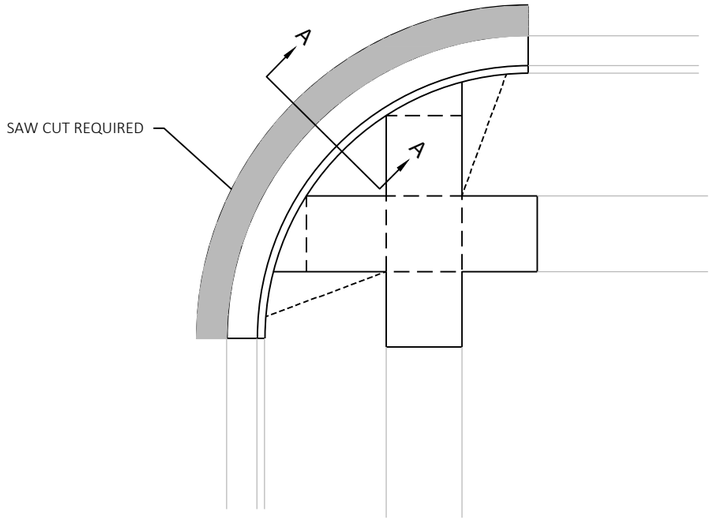
STA 271+15.00 TO STA 275+82.00

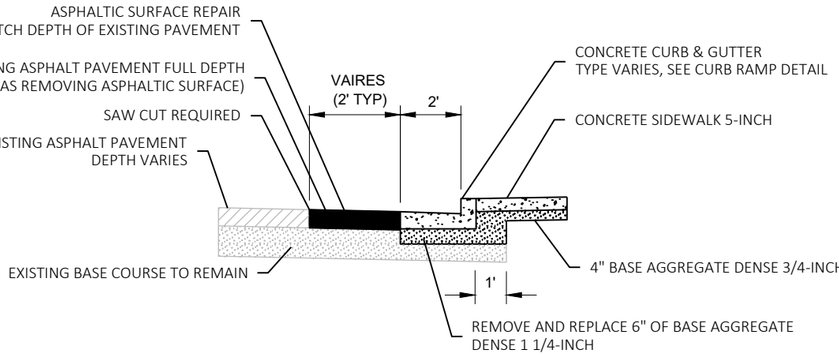


STH 181 FINISHED TYPICAL SECTION, SUPERELEVATED

STA 280+29.00 TO STA 281+00.00

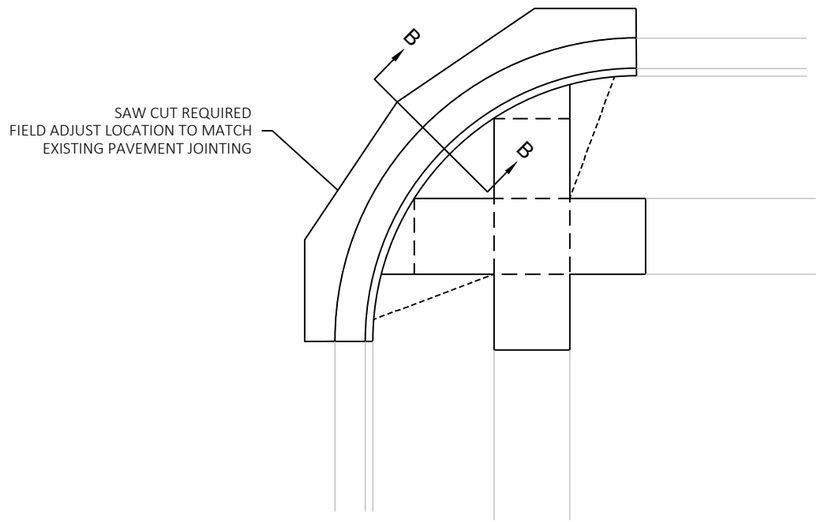
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TYPICAL SECTIONS	SHEET 16	E

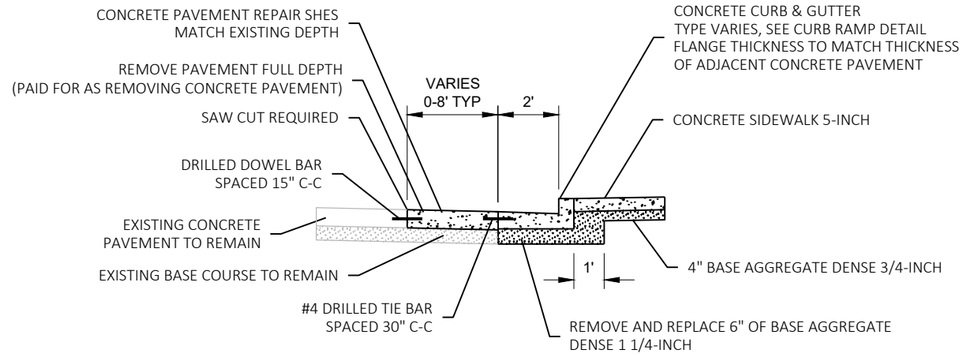




SECTION A-A

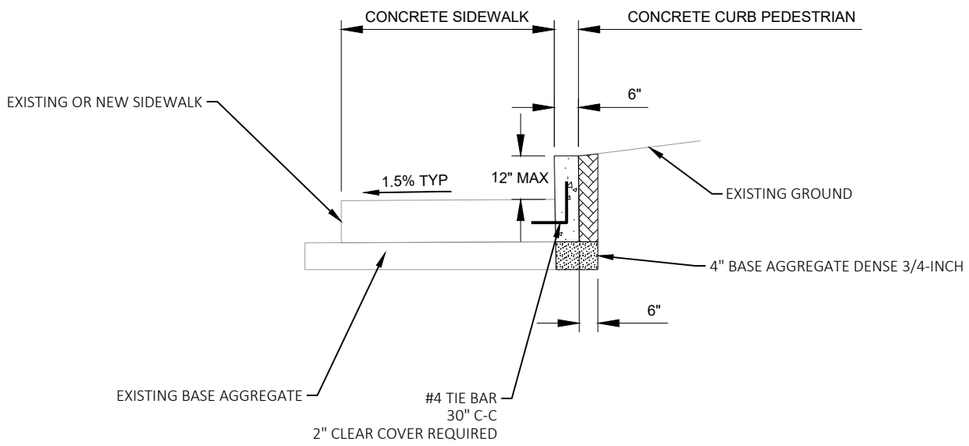
CURB & GUTTER REPLACEMENT
ADJACENT TO ASPHALT
PAVEMENT



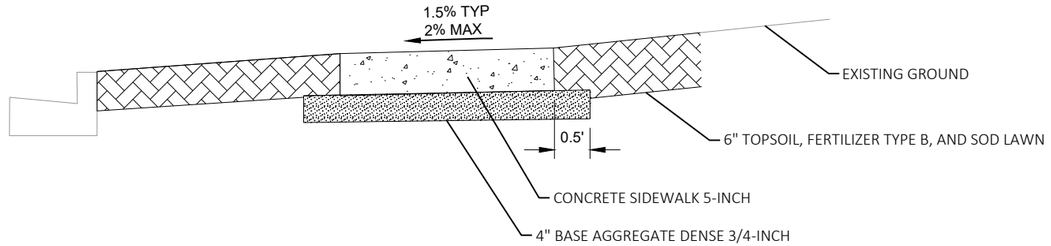


SECTION B-B

CURB & GUTTER REPLACEMENT
ADJACENT TO CONCRETE
PAVEMENT

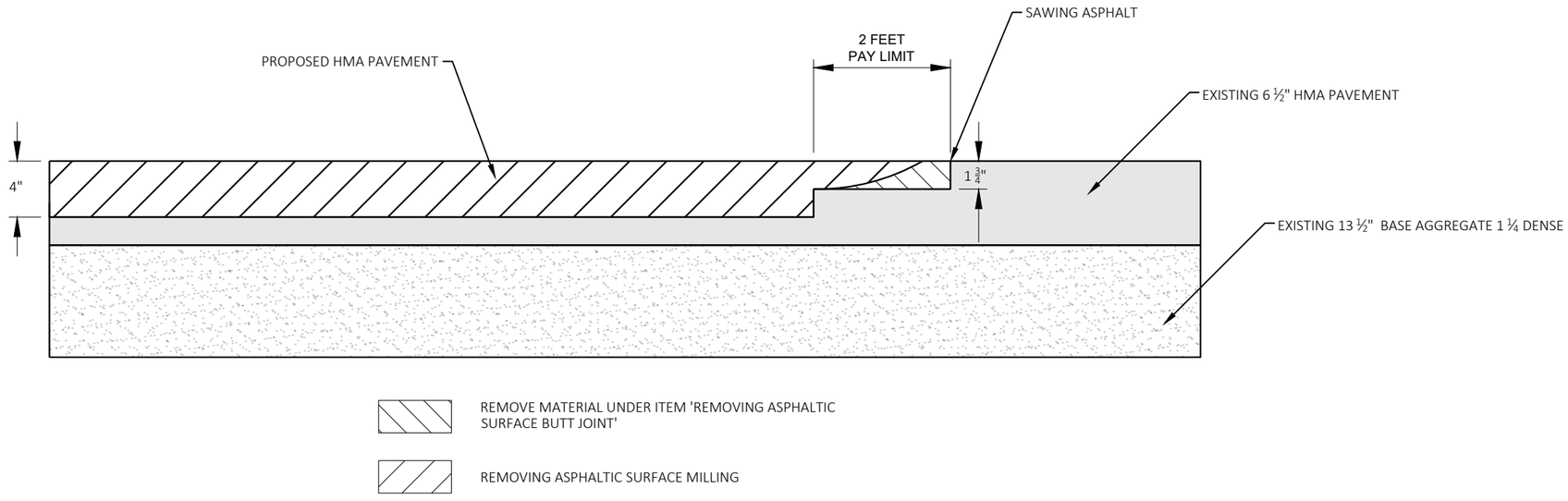


CONCRETE CURB
PEDESTRIAN SECTION



TYPICAL SIDEWALK
SECTION

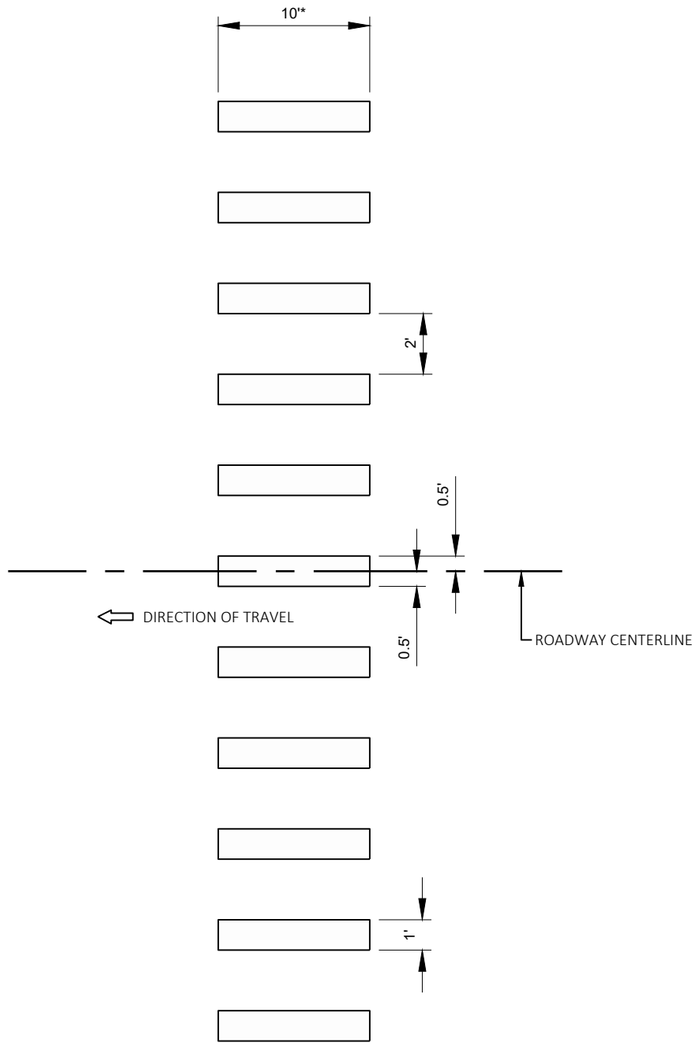
NOTES:
1. PAYMENT FOR ALL EXCAVATION, EMBANKMENT, EARTH BACKFILL, TOPSOIL, FERTILIZER, AND SOD SHALL BE PAID FOR USING THE BID ITEMS.
2. PAYMENT FOR CONCRETE SIDEWALK AND BASE AGGREGATE SHALL BE PAID FOR USING STANDARD BID ITEMS.



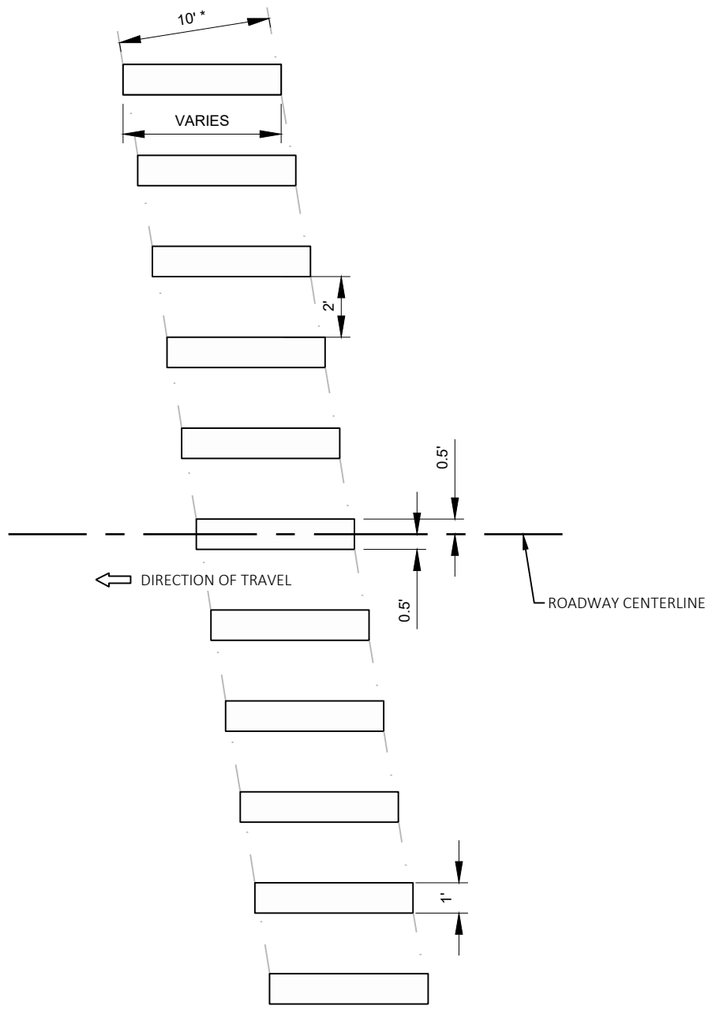
BUTT JOINT - NO CHANGE IN PROFILE

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS	SHEET 18	E

2



TRANSVERSE CROSSWALK



ANGLED CROSSWALK

NOTES

* UNLESS OTHERWISE NOTED ON PLANS

PAVEMENT MARKINGS SHOULD BE PARALLEL TO DIRECTION OF TRAVEL EVEN WHEN CROSSWALK IS SKEWED

CONTINENTAL CROSSWALK SHALL BE PAID FOR UNDER THE PAY ITEM "MARKING CROSSWALK EPOXY, BLOCK STYLE 12-INCH"

CONTINENTAL CROSSWALK DETAIL

REMOVING CURB AND GUTTER AND PAVEMENT TO THE LIMITS SHOWN, EXCAVATING, PREPARING THE FOUNDATION AND SHIMMING ARE INCIDENTAL TO THE ADJUSTING OR RECONSTRUCTING BID ITEMS.

THE DEPARTMENT WILL PAY SEPARATELY FOR SAWING ASPHALT, SAWING CONCRETE, CONCRETE CURB & GUTTER AND DRILLED TIE BARS.

MONOLITHIC SHIM CONCRETE, CONCRETE PLACEMENT AND FINISHING IS INCIDENTAL TO THE CONCRETE CURB & GUTTER BID ITEM.

PREVENT CONCRETE AND OTHER DEBRIS FROM FALLING INTO STRUCTURE.

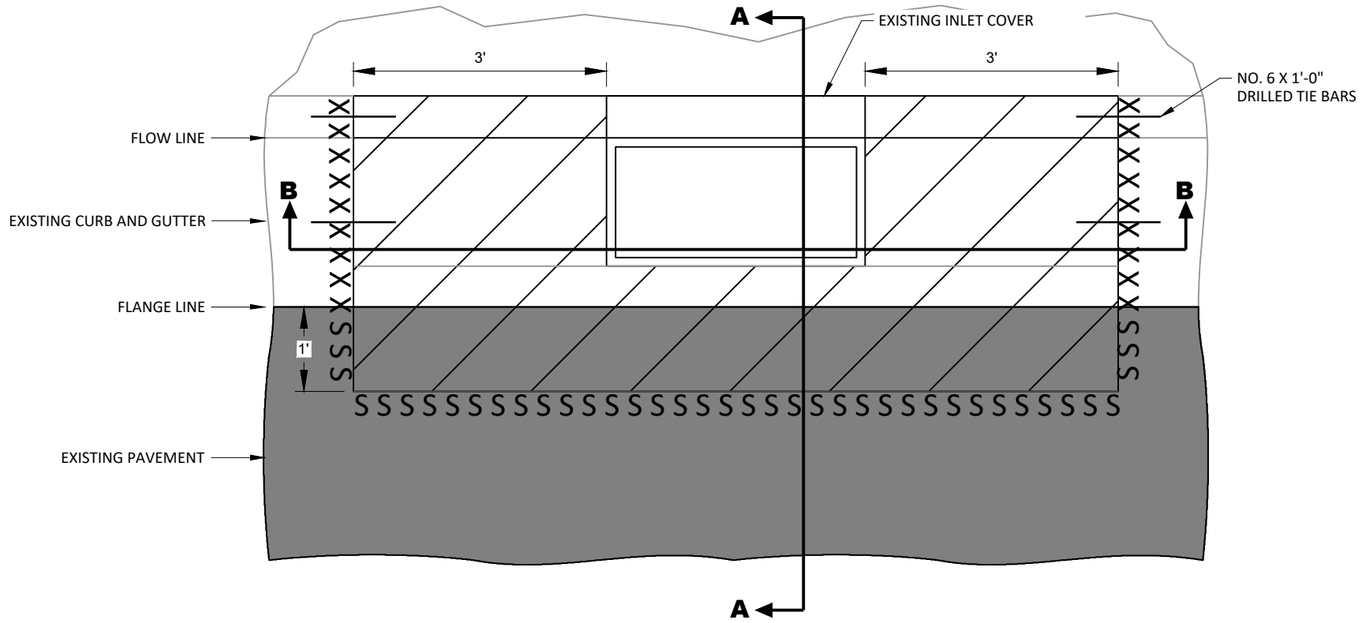
REFER TO PLAN DETAILS AND MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION.

S S S SAWING ASPHALT

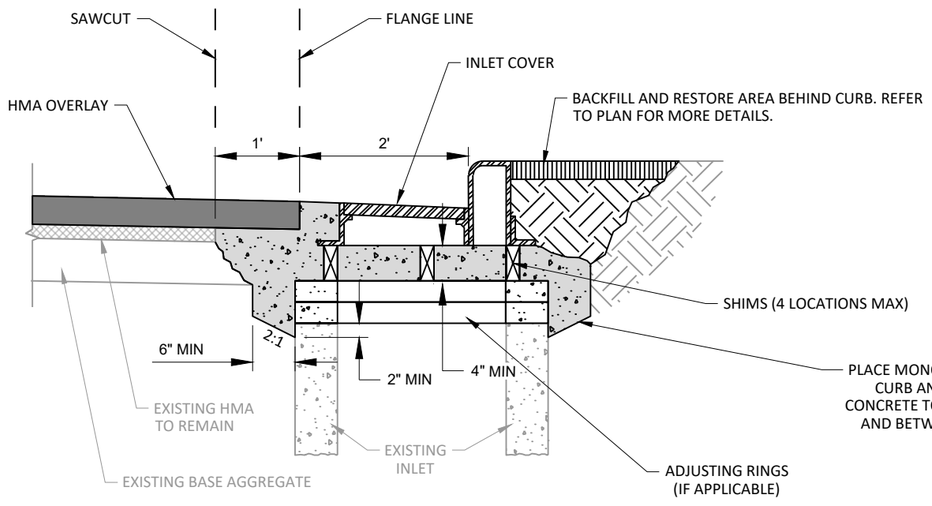
X X X SAWING CONCRETE

REMOVING CURB & GUTTER AND PAVEMENT

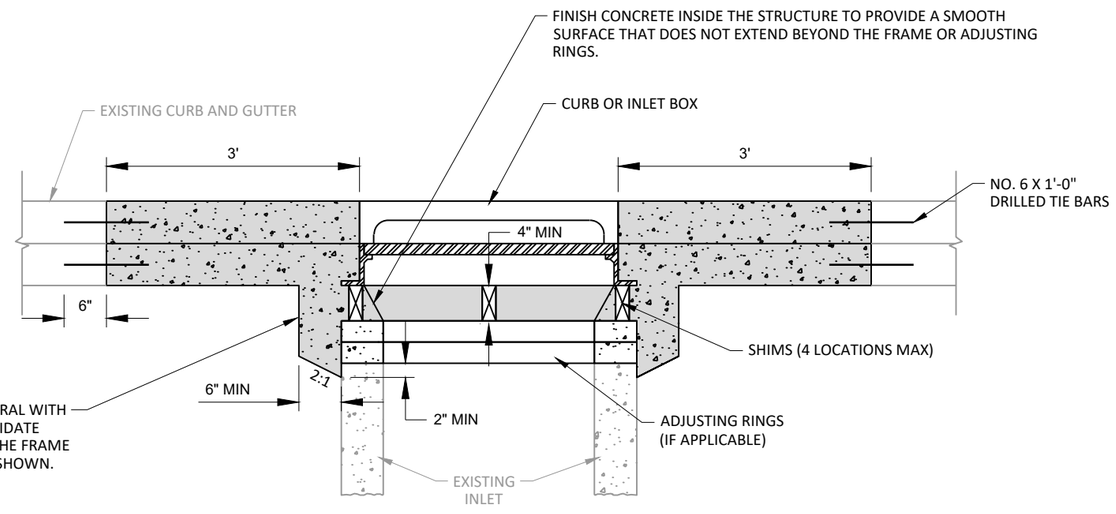
MONOLITHIC CONCRETE



PLAN VIEW



SECTION A-A



SECTION B-B

ADJUSTING / RECONSTRUCTING CATCH BASINS & INLETS - MONOLITHIC SHIM

2

PRIOR TO MILLING AND PAVING.

A. SAWCUT EXISTING PAVEMENT FULL DEPTH.
B. REMOVE AND STORE MANHOLE COVER.
C. FURNISH AND INSTALL TEMPORARY COVER PLATE.
D. BACKFILL USING ASPHALT SURFACE PATCHING.

AFTER PAVING HMA LOWER LAYER(S)

A. REMOVE ASPHALTIC SURFACE PATCHING.
B. EXCAVATE AROUND MANHOLE.
C. ADJUST OR RECONSTRUCT MANHOLE AND RE-INSTALL MANHOLE FRAME AND COVER.
D. POUR MONOLITHIC CONCRETE SHIM SO CONCRETE FILLS IN VOIDS BELOW THE CASTING BETWEEN THE SHIMS.
E. PAVE UPPER LAYER HMA.

PAVEMENT REMOVAL, ASPHALT PATCH REMOVAL, EXCAVATING, PREPARING THE FOUNDATION AND SHIMMING ARE INCIDENTAL TO THE ADJUSTING OR RECONSTRUCTING BID ITEMS.

THE DEPARTMENT WILL PAY SEPARATELY FOR SAWING ASPHALT, COVER PLATES TEMPORARY, ASPHALTIC SURFACE PATCHING AND BASE PATCHING CONCRETE SHES.

MONOLITHIC SHIM CONCRETE, CONCRETE PLACEMENT AND FINISHING IS INCIDENTAL TO THE BASE PATCHING CONCRETE SHES BID ITEM.

PREVENT CONCRETE AND OTHER DEBRIS FROM FALLING INTO STRUCTURE.

REFER TO PLAN DETAILS AND MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION.

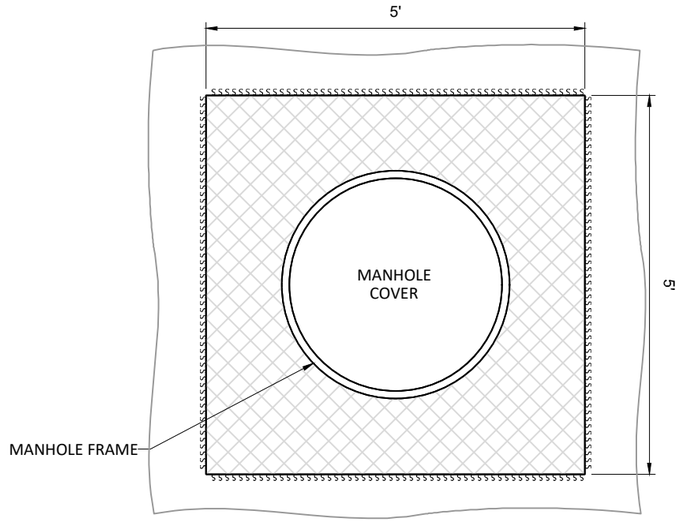
*SAWCUT WILL ONLY BE PAID ONCE. REMOVE ASPHALT SURFACE PATCHING MATERIAL TO THE ORIGINAL SAWCUT LIMITS.

SSS SAWING ASPHALT

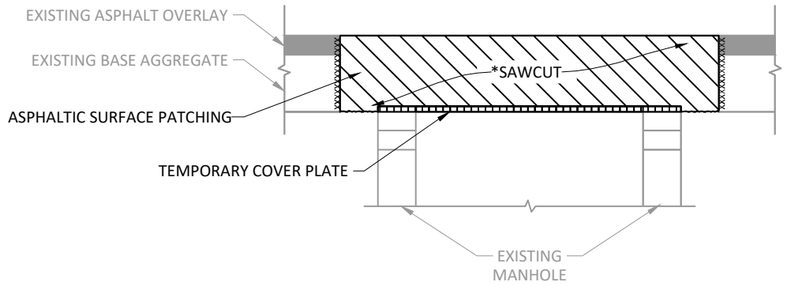
REMOVING PAVEMENT
(INCIDENTAL TO ADJUSTING / RECOSNTRUCTING BID ITEMS)

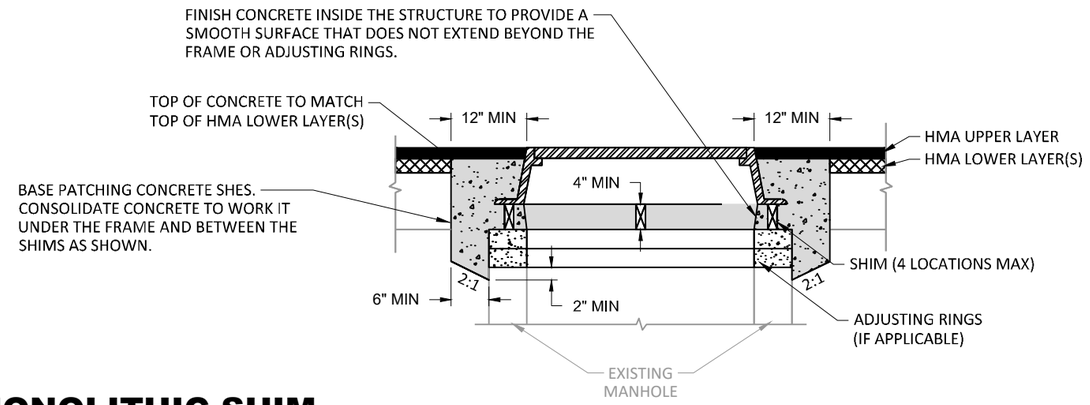
ASPHALTIC SURFACE PATCHING

MONOLITHIC CONCRETE

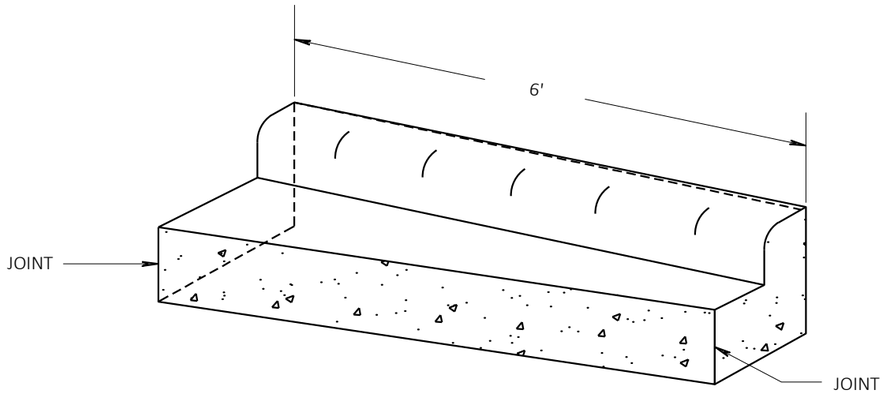


PLAN VIEW



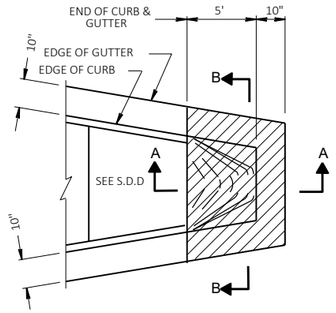


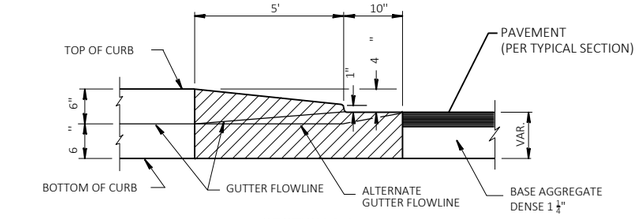
ADJUSTING / RECONSTRUCTING MANHOLES - MONOLITHIC SHIM



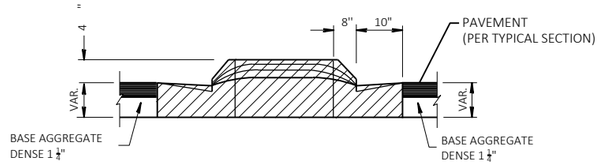
CONCRETE CURB & GUTTER TRANSITION DETAIL

30-INCH TYPE D CURB & GUTTER TO 19-INCH CURB & GUTTER
(TO BE MEASURED & PAID FOR AS CONCRETE CURB & GUTTER 30-INCH TYPE D)





SECTION A-A

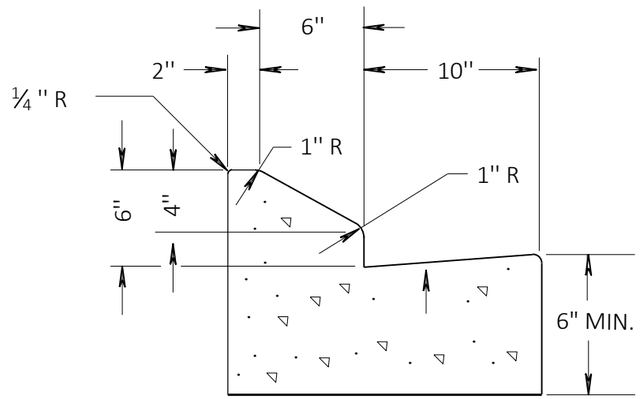


SECTION B-B

NOTE: CONCRETE ISLAND NOSE
(PAID FOR AS CONCRETE MEDIAN SLOPED NOSE)

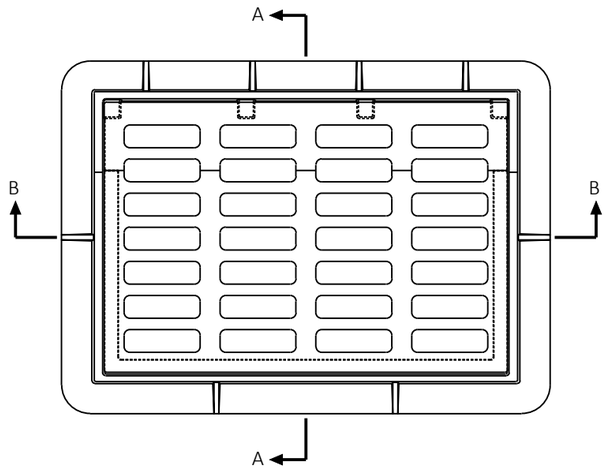
CONCRETE MEDIAN NOSE DETAIL

FOR USE WIITH 6-INCH SLOPED 18-INCH TYPE J CURB & GUTTER DETAIL
SEE S.D.D. CONCRETE MEDIAN NOSE FOR ADDITIONAL INFORMATION

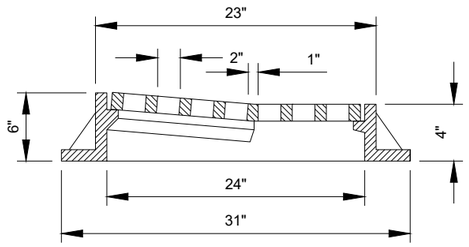


CONCRETE CURB AND GUTTER 6-INCH SLOPE 18-INCH TYPE J DETAIL

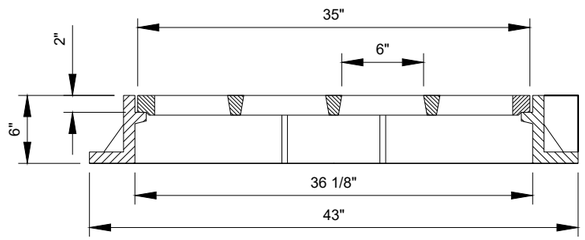
MEDIAN CURB AND GUTTER NORTH OF DEAN/SEVRITE INTERSECTION
SEE S.D.D. CONCRETE CURB & GUTTER FOR ADDITIONAL INFORMATION



INLET COVER TYPE H-D
STA 121+05.73, 47.54' RT



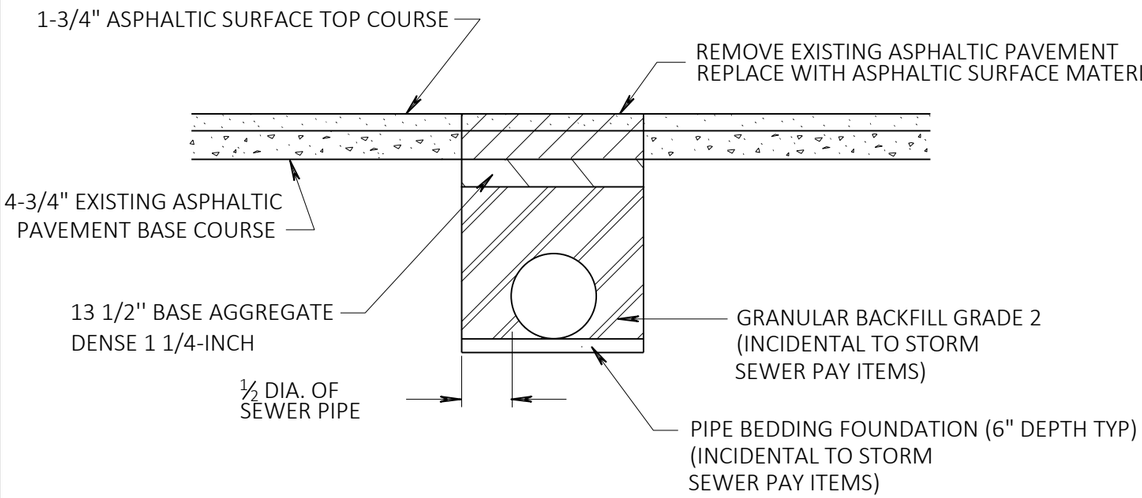
SECTION A-A



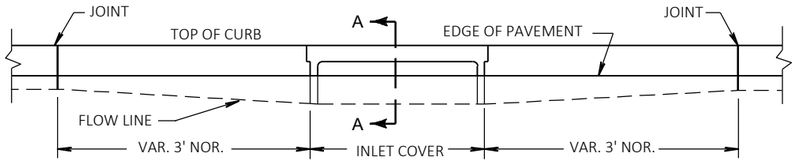
SECTION B-B

SEE S.D.D. INLET AND MANHOLE COVERS FOR ADDITIONAL INFORMATION

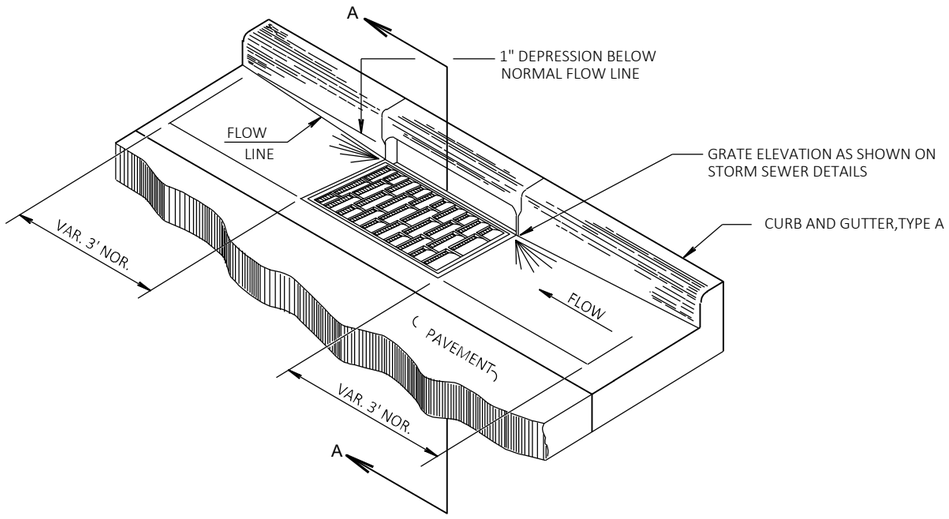
DETAIL OF INLET COVERS TYPE H - SPECIAL

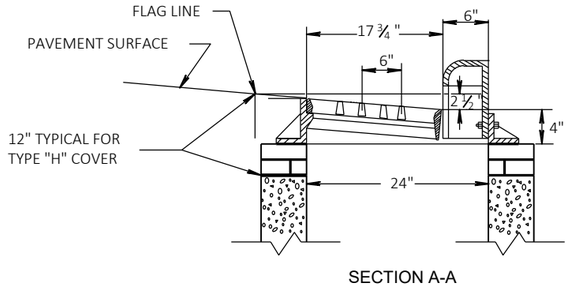


DETAIL FOR STORM SEWER PIPE INSTALLATION IN AREAS OF EXISTING PAVEMENT



ELEVATION

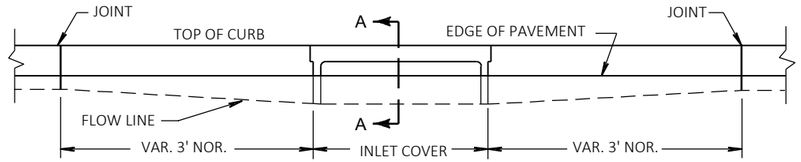




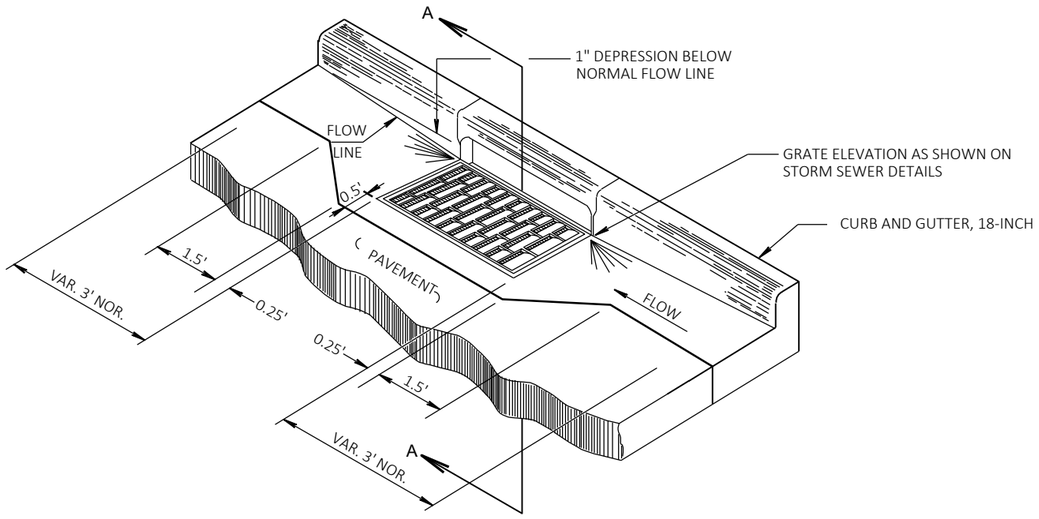
SECTION A-A

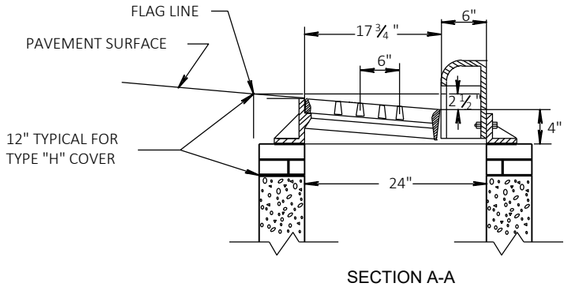
DETAIL OF CURB AND GUTTER AT INLETS

(TYPE 3-H INLET SHOWN)



ELEVATION





SECTION A-A

DETAIL OF CURB AND GUTTER 18-INCH AT INLETS

(TYPE 3-H INLET SHOWN)

LEGEND

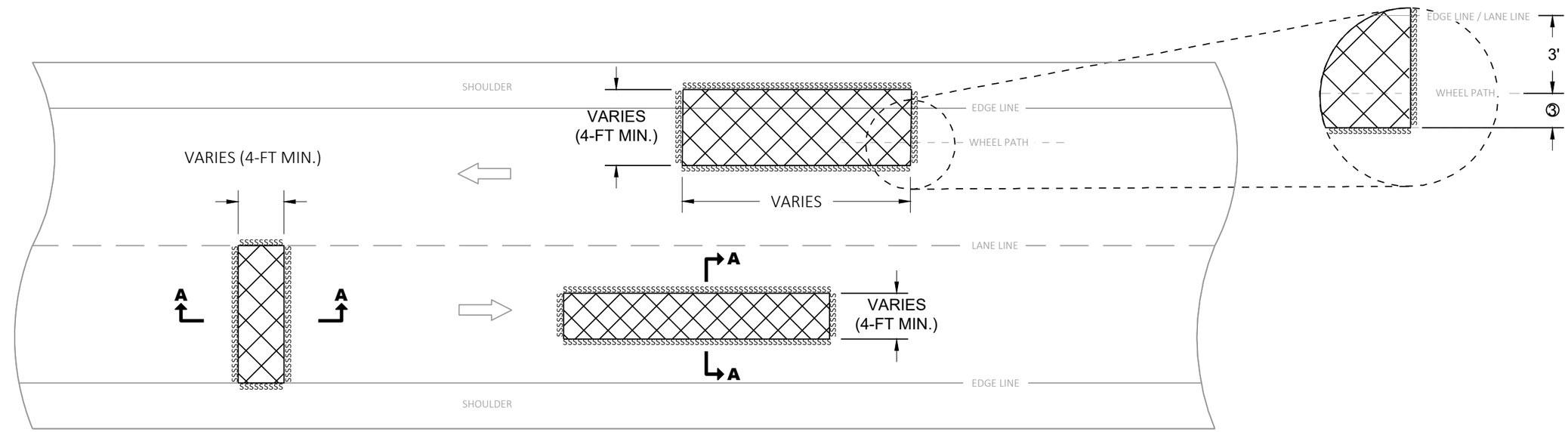
ASPHALTIC REPAIR

SSSSSS VERTICAL MILLED EDGE
SAW CUTTING AT THE CONTRACTORS DISCRETION

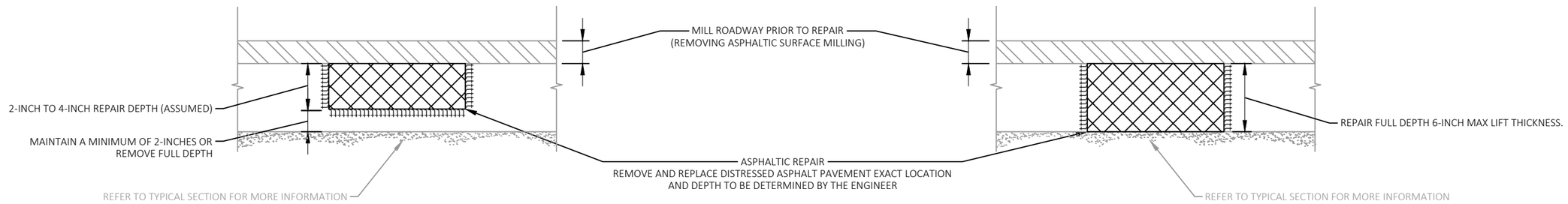
TTTTTT TACK COAT

GENERAL NOTES

1. EXACT LOCATION, DEPTH AND SIZE OF REPAIR TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. MILL PAVEMENT PER PLAN PRIOR TO MAKING ASPHALTIC REPAIR.
3. LOCATE LONGITUDINAL REPAIR JOINTS OUTSIDE OF WHEEL PATH. 12-INCH MINIMUM (24-INCH RECOMMENDED) FROM THE CENTER OF THE WHEEL PATH.
4. ASPHALTIC REPAIR PAVING TO BE DONE ON THE SAME DAY AS REMOVAL.



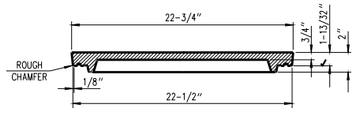
PLAN VIEW



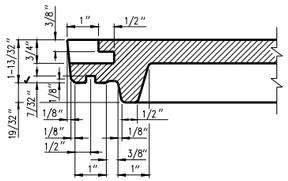
PARTIAL DEPTH **FULL DEPTH**

SECTION A-A

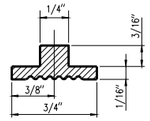
ASPHALTIC REPAIR

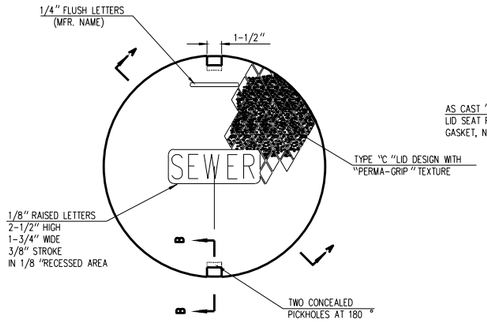


SECTION A-A

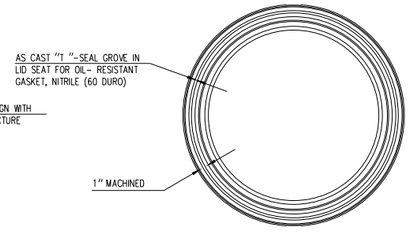


SECTION B-B





TOP VIEW



BOTTOM VIEW

MANHOLE COVER - TYPE ms 58-A

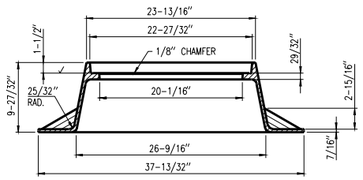
LID - 107 LBS.

NOTE:

ALL CASTINGS SHALL BEAR THE FOLLOWING IDENTIFICATION MARKS IN THE FORM OF LEGIBLE LETTERS OR NUMERALS RAISED 1/8 "HAVING A DIGIT OR LETTER HEIGHT OF ONE INCH ON LOWER FACE OF LID:

1. THE INITIALS OR MONOGRAM OF THE FOUNDRY.
2. THE CONTRACT NUMBER AND YEAR MADE.
3. THE CASTING IDENTIFICATION NUMBER.
4. THE SERIAL NUMBER OF THE INDIVIDUAL CASTING.

NOTE: ALL EXTERIOR EDGES SHALL BE GROUND.



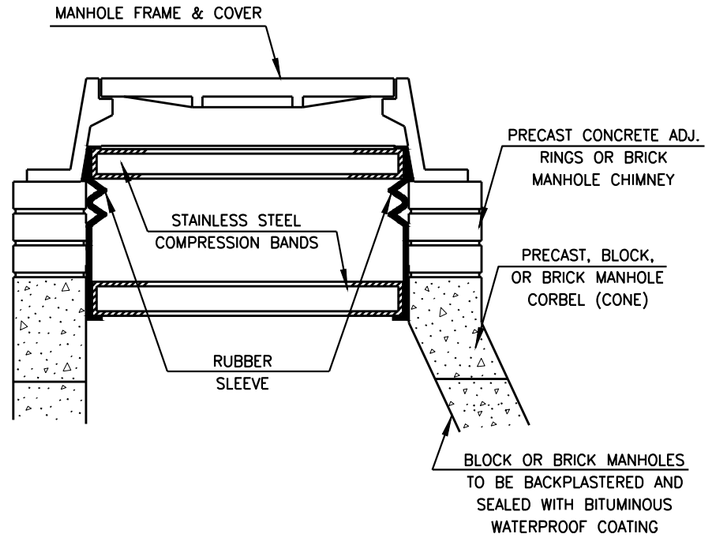
MANHOLE FRAME - TYPE MS 21

FRAME - 182 LBS.

ENVIRONMENTAL ENGINEERING SECTION
INFRASTRUCTURE SERVICES DIVISION
DEPARTMENT OF PUBLIC WORKS
MILWAUKEE, WISCONSIN
___SEWER_DETAIL_DRAWING___
MANHOLE FRAME & COVER

$FILE$

NOTE:
CITY OF MILWAUKEE DETAIL SHALL BE UTILIZED FOR PAY ITEM
SPV.0060.45 MANHOLE COVER TYPE MS 58A



ENVIRONMENTAL ENGINEERING SECTION
INFRASTRUCTURE SERVICES DIVISION
DEPARTMENT OF PUBLIC WORKS
MILWAUKEE, WISCONSIN
___SEWER_DETAIL_DRAWING___
INTERNAL SANITARY MANHOLE SEAL

$FILE$

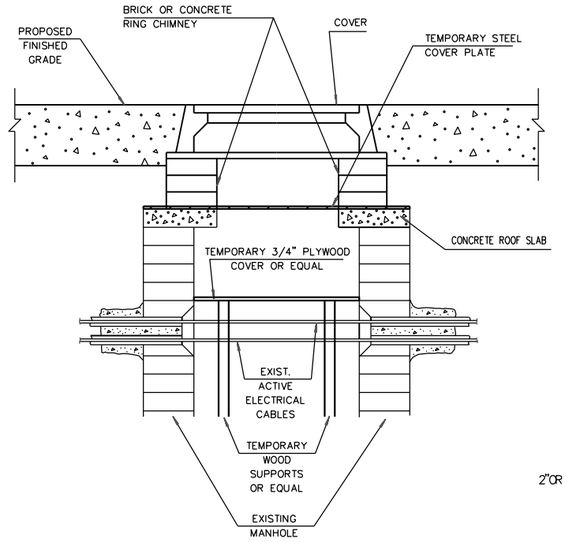
NOTE:
CITY OF MILWAUKEE DETAIL SHALL BE UTILIZED FOR PAY ITEM
SPV.0060.44 INTERNAL MANHOLE SEALS

	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											

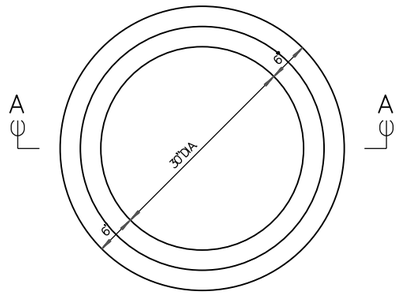
TOTAL PROJECT AREA = 70.0 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 1.07 ACRES

RUNOFF COEFFICIENT TABLE

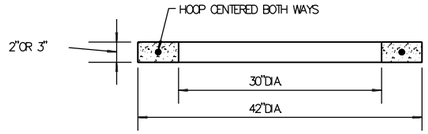
SER(20180101)



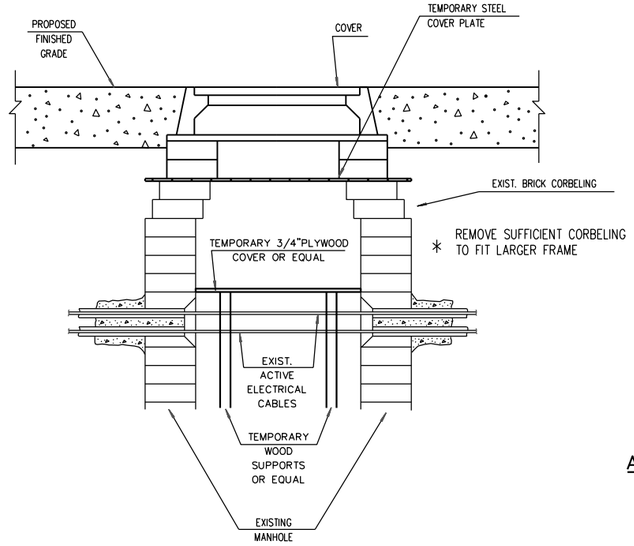
BLOCK OR PRECAST MANHOLE



PLAN



SECTION A–A



THE ADJUSTING RING SHALL BE 2" OR 3" IN HEIGHT.

THE CIRCUMFERENTIAL STEEL SHALL BE CENTERED WITHIN THE RING.

AREA OF CIRCUMFERENTIAL STEEL = 0.07 SQ. INCH PER VERTICAL FOOT WITH A MINIMUM OF .024 SQ. INCH IN ANY ONE RING.

THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE CORE SHALL BE 4000 P.S.I.

CONCRETE ADJUSTING RING

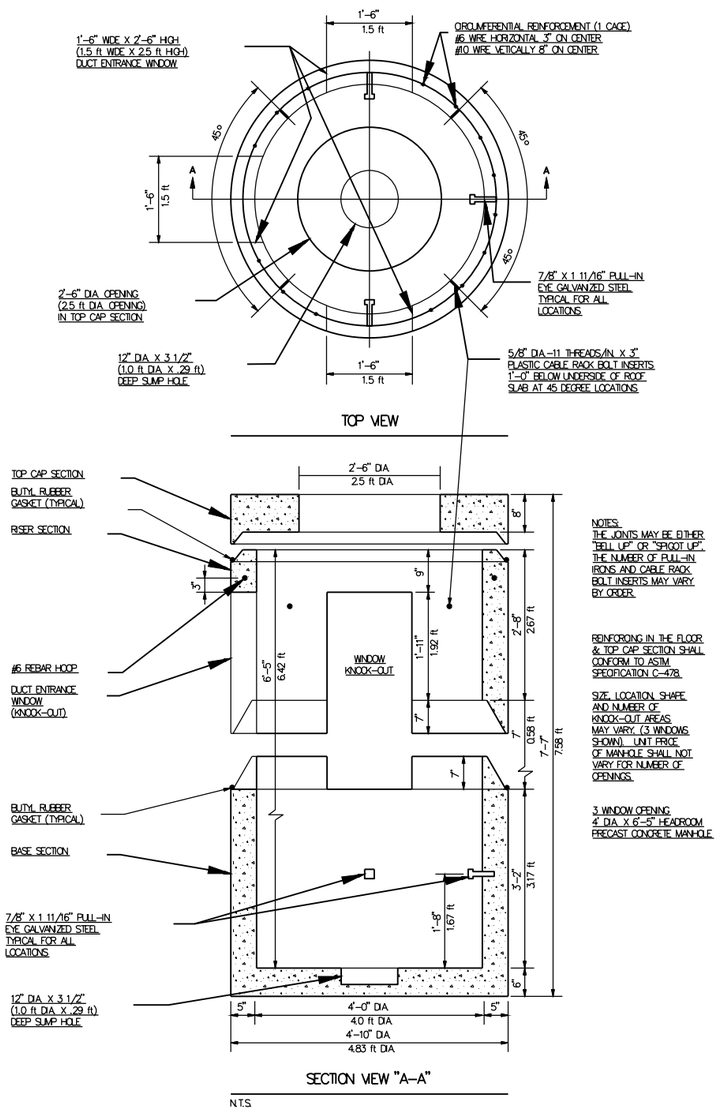
BRICK ROUND MANHOLE

ADJUSTING CITY UNDERGROUND CONDUIT MANHOLES

NOTE:
CITY OF MILWAUKEE DETAIL SHALL BE UTILIZED FOR PAY ITEM SPV.0060.46 ADJUSTING CUC MANHOLE COVER

TRANSPORTATION SECTION
INFRASTRUCTURE SERVICES DIVISION
DEPARTMENT OF PUBLIC WORKS
MILWAUKEE, WISCONSIN

CITY UNDERGROUND
manhole DETAILS



NOTES:
THE JOINTS MAY BE EITHER "BELL UP" OR "SPIGOT UP". THE NUMBER OF PULL-IN IRONS AND CABLE RACK BOLT INSERTS MAY VARY BY ORDER.

REINFORCING IN THE FLOOR & TOP CAP SECTION SHALL CONFORM TO ASTM SPECIFICATION C-478.

SIZE, LOCATION, SHAPE AND NUMBER OF KNOCK-OUT AREAS MAY VARY. (3 WINDOWS SHOWN). UNIT PRICE OF MANHOLE SHALL NOT VARY FOR NUMBER OF OPENINGS.

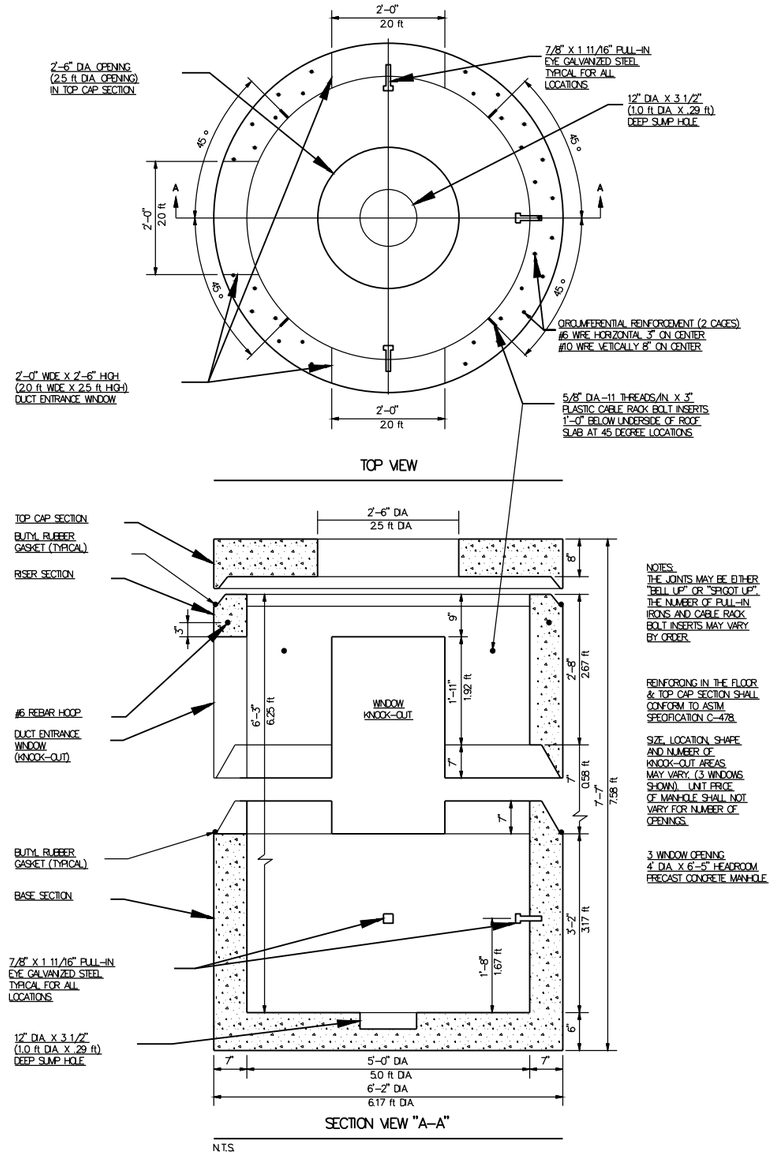
3 WINDOW OPENING 4' DIA. X 6'-5" HEADROOM PRECAST CONCRETE MANHOLE

4' DIAMETER "DOGHOUSE" TYPE CUC MANHOLE

NOTE:
CITY OF MILWAUKEE DETAIL SHALL BE UTILIZED FOR PAY ITEM SPV.0060.47 4' DIAMETER "DOGHOUSE" MANHOLE TYPE CUC

TRANSPORTATION SECTION
INFRASTRUCTURE SERVICES DIVISION
DEPARTMENT OF PUBLIC WORKS
MILWAUKEE, WISCONSIN

CITY UNDERGROUND manhole DETAILS



NOTES:
THE JOINTS MAY BE EITHER "BELL UP" OR "SPIGOT UP". THE NUMBER OF PULL-IN IRONS AND CABLE RACK BOLT INSERTS MAY VARY BY ORDER.

REINFORCING IN THE FLOOR & TOP CAP SECTION SHALL CONFORM TO ASTM SPECIFICATION C-478.

SIZE, LOCATION, SHAPE AND NUMBER OF KNOCK-OUT AREAS MAY VARY. (3 WINDOWS SHOWN). UNIT PRICE OF MANHOLE SHALL NOT VARY FOR NUMBER OF OPENINGS.

3 WINDOW OPENING 4' DIA. X 6'-5" HEADROOM PRECAST CONCRETE MANHOLE

5' DIAMETER "DOGHOUSE" TYPE CUC MANHOLE

NOTE:
CITY OF MILWAUKEE DETAIL SHALL BE UTILIZED FOR PAY ITEM SPV.0060.48 5' DIAMETER "DOGHOUSE" MANHOLE TYPE CUC

TRANSPORTATION SECTION
INFRASTRUCTURE SERVICES DIVISION
DEPARTMENT OF PUBLIC WORKS
MILWAUKEE, WISCONSIN

CITY UNDERGROUND manhole DETAILS

2

2

N

WINFIELD AVENUE

CTH S (MILL ROAD)

102

104

N. 76TH STREET (STH 181)

AREA 1 - HAZMAT SOILS - PAH
1' BELOW GROUND SURFACE TO
MAXIMUM EXCAVATION DEPTH

AREA 1 - HAZMAT SOILS - PETROLEUM
6' BELOW GROUND SURFACE TO
MAXIMUM EXCAVATION DEPTH

64 66 68 70 72 74 76

N. 76TH STREET (STH 181)

106

108

CTH S (MILL ROAD)

LEGEND

APPROXIMATE EXTENT OF HAZARDOUS MATERIAL SOILS WHICH MAY BE ENCOUNTERED DURING EXCAVATION OPERATIONS

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CONSTRUCTION DETAIL-HAZMAT SOILS	SHEET 29	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021003-CD-HZ.DWG
LAYOUT NAME - 01

PLOT DATE : 11/5/2024 2:18 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

N

N. 76TH STREET (STH 181)

94 96 98 100 102 104 106 108

GREEN TREE ROAD

10

12

14

DENVER AVENUE

AREA 2 - HAZMAT SOILS - PETROLEUM
1' BELOW GROUND SURFACE TO
MAXIMUM EXCAVATION DEPTH

N. 76TH STREET (STH 181)

GREEN TREE ROAD

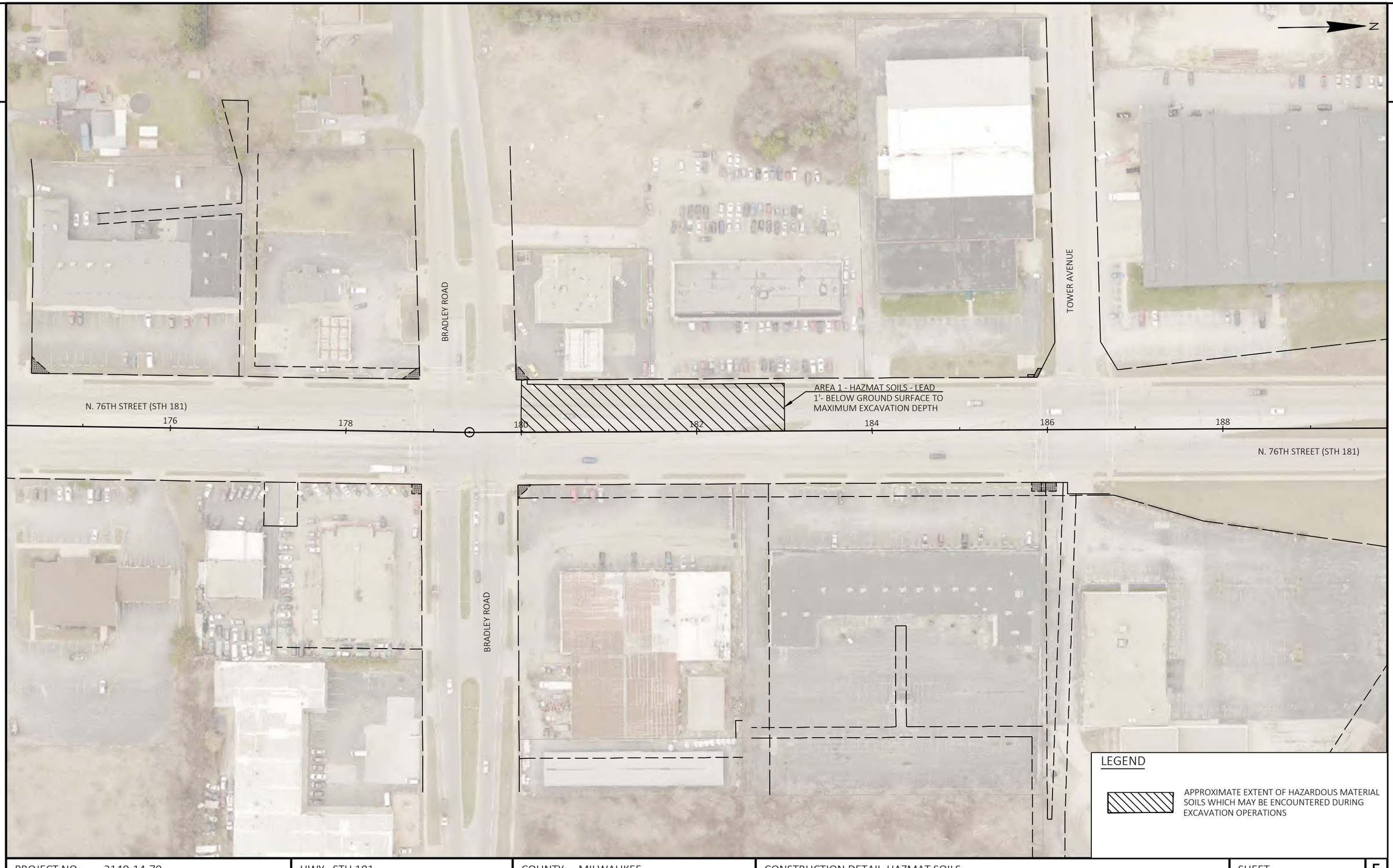
LEGEND

APPROXIMATE EXTENT OF HAZARDOUS MATERIAL SOILS WHICH MAY BE ENCOUNTERED DURING EXCAVATION OPERATIONS

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CONSTRUCTION DETAIL-HAZMAT SOILS	SHEET 30	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021003-CD-HZ.DWG
LAYOUT NAME - 02

PLOT DATE : 11/5/2024 2:18 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

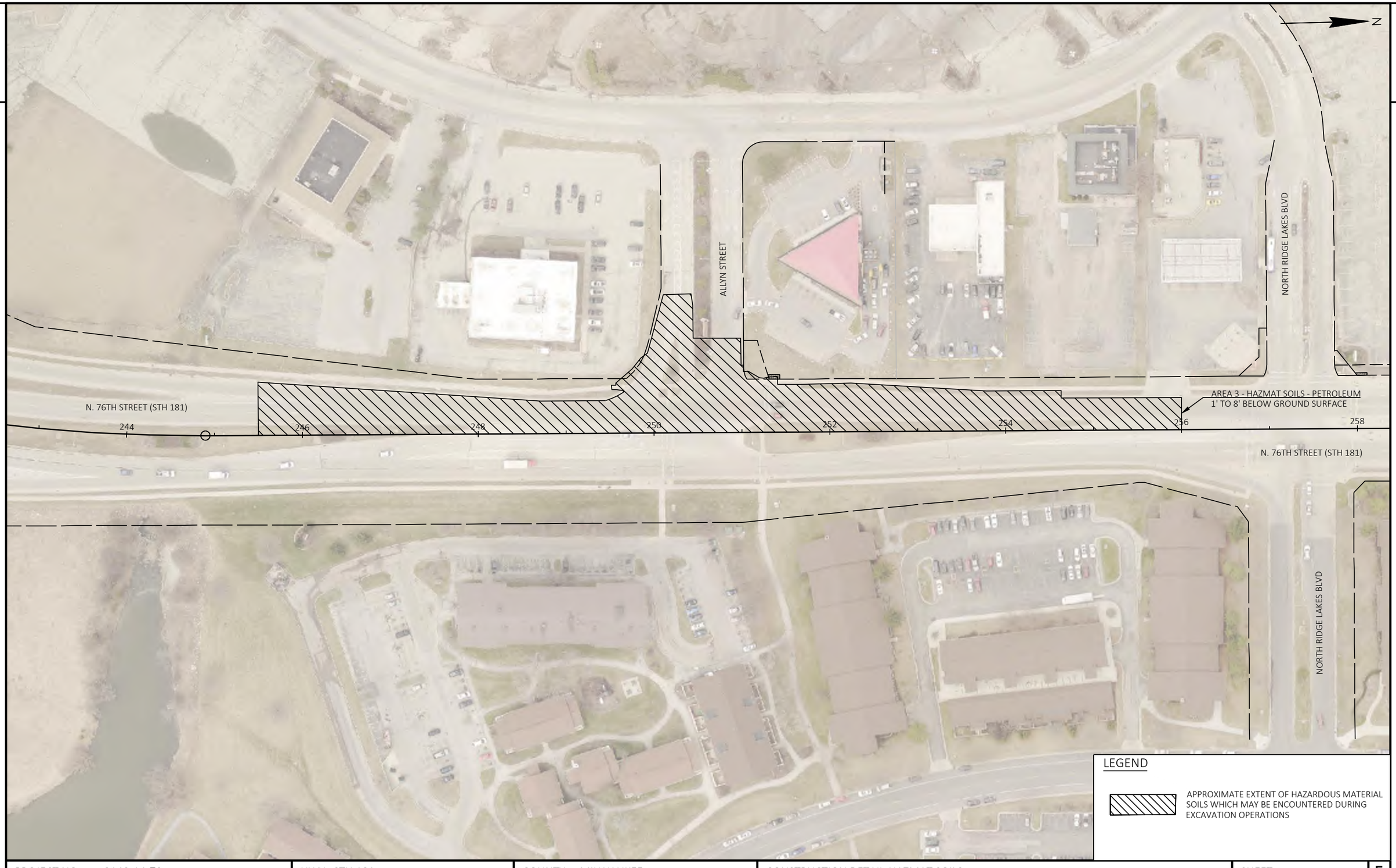


PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CONSTRUCTION DETAIL-HAZMAT SOILS	SHEET 31	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021003-CD-HZ.DWG
LAYOUT NAME - 03

PLOT DATE : 11/5/2024 2:19 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CONSTRUCTION DETAIL-HAZMAT SOILS	SHEET 32	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021003-CD-HZ.DWG
LAYOUT NAME - 04
PLOT DATE : 11/5/2024 2:19 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

GENERAL NOTES: PEDESTRIAN ACCESS

SEE "TEMPORARY PEDESTRIAN ACCOMODATION" AND TRAFFIC CONTROL SHEETS FOR ADDITIONAL TRAFFIC CONTROL AND MORE INFORMATION.

EXISTING CROSSWALKS SHALL REMAIN ACCESIBLE OR TEMPORARY CROSSWALK AND CURB RAMPS SHALL BE IN PLACE PRIOR TO CLOSING THE EXISTING CROSSWALKS AND CURB RAMPS.

COORDINATE ALL SIDEWALK REMOVALS IN EACH PHASE TO MAINTAIN PEDESTRIAN ACCESS TO RESIDENCES, BUSINESSES, PUBLIC PARKING LOTS AND SCHOOLS OR PROVIDE WHERE NECESSARY, AS DIRECTED BY THE ENGINEER.

PROVIDE A TEMPORARY SURFACE FOR PEDESTRIAN ACCESS AT ALL TIME IN AREAS OF SIDEWALK RECONSTRUCTION.

THE CONTRACTOR WILL 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 AS LAID OUT IN THE PLAN.

PEDESTRIAN SURFACE TO BE EXISTING CONCRETE SIDEWALK, APPROVED TEMPORARY PEDESTRIAN SURFACE, OR NEW CONCRETE SIDEWALK.

THE LOCATION OF TEMPORARY CROSSWALKS AND CURB RAMPS TO BE DETERMINED BY THE ENGINEER, AND MAY REQUIRE RELOCATION DURING STAGES. DO NOT LOCATE A CROSSWALK IN A DRIVEWAY.

COORDINATE ALL BUS STOP CLOSURES WITH MILWAUKEE COUNTY TRANSIT SYSTEM (MTCS) PRIOR TO CLOSING OR RELOCATING BUS STOP.

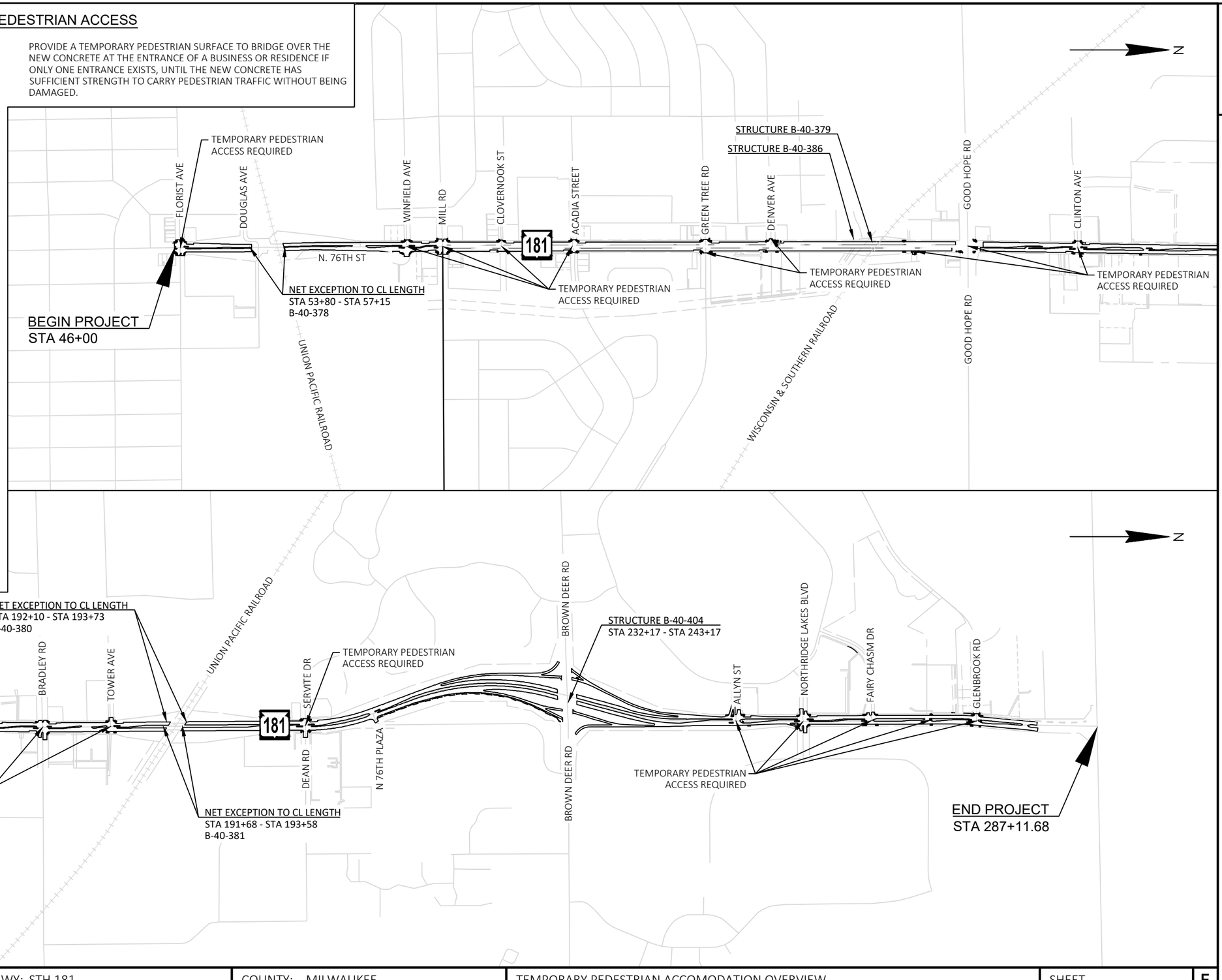
TEMPORARY PEDESTRIAN BARRICADE, AS SHOWN IN PLANS, SHALL BE INSTALLED WHEN SIDEWALK IS OPEN AND CONSTRUCTION IS OCCURRING NEARBY.

MAINTAIN AN ADA ACCESSIBLE PEDESTRIAN ACCESS, 5-FT WIDE DESIRABLE (4-FT MINIMUM), ON EITHER THE EXISTING SIDEWALKS OR A TEMPORARY SIDEWALK SURFACE TO ALL BUSINESS AND RESIDENTIAL ENTRANCES THROUGH THE WORK ZONE.

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

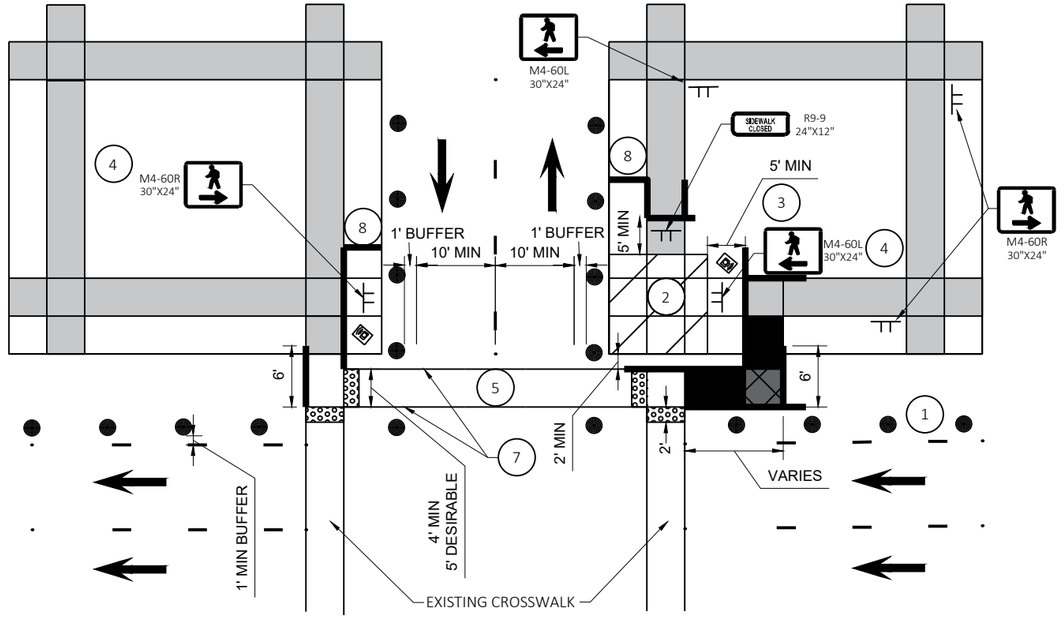
THE CONTRACTOR WILL ONLY BE ALLOWED TO REMOVE THE SIDEWALK ON ONE QUADRANT OF THE STREET AT A TIME UNLESS SPECIFIED IN PLANS OR AS DIRECTED BY THE ENGINEER.

PROVIDE A TEMPORARY PEDESTRIAN SURFACE TO BRIDGE OVER THE NEW CONCRETE AT THE ENTRANCE OF A BUSINESS OR RESIDENCE IF ONLY ONE ENTRANCE EXISTS, UNTIL THE NEW CONCRETE HAS SUFFICIENT STRENGTH TO CARRY PEDESTRIAN TRAFFIC WITHOUT BEING DAMAGED.



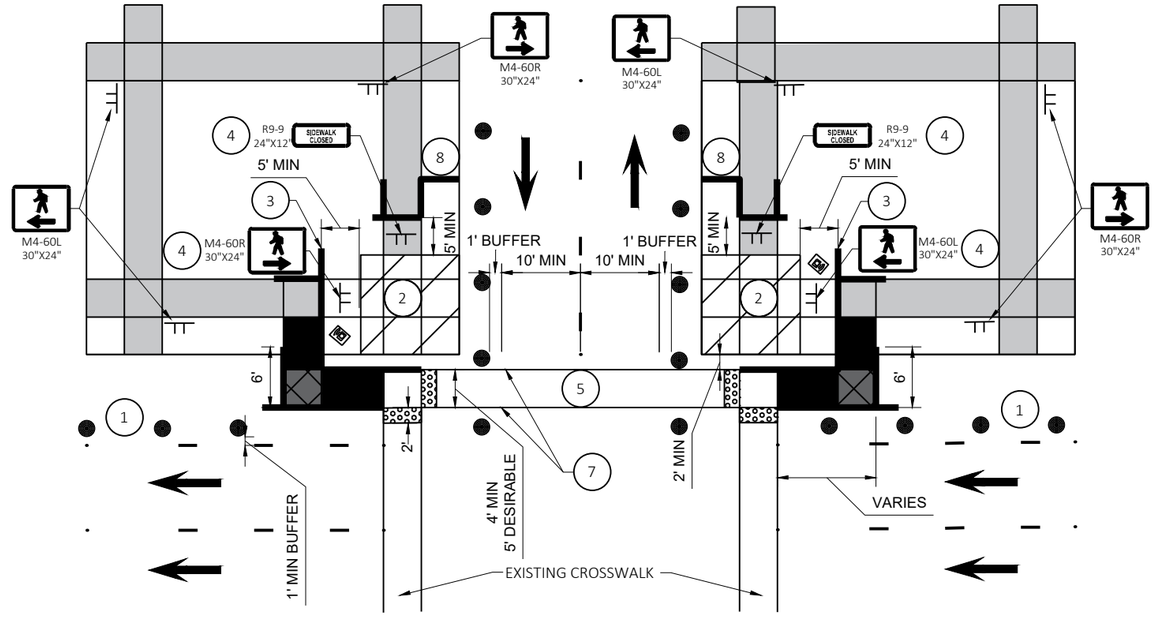
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY PEDESTRIAN ACCOMODATION OVERVIEW	SHEET 33	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021002-CD PO - BH DRAFT.DWG
LAYOUT NAME - 01
PLOT DATE : 4/10/2025 7:39 AM
PLOT BY : EMMA VINDEDAHL
PLOT NAME :
PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42



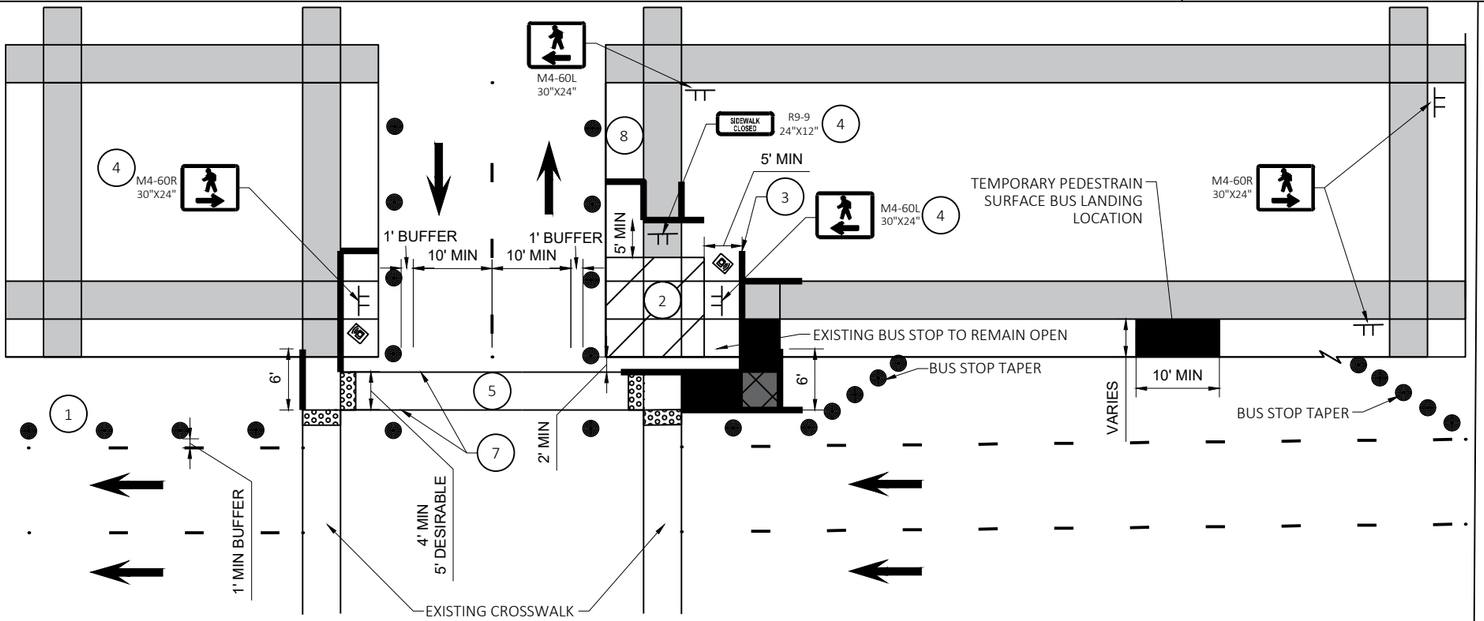
SCENARIO "A" TEMPORARY PEDESTRIAN ACCESS CURB RAMP CONSTRUCTION AT A SINGLE QUADRANT

FLORIST AVE SW QUADRANT
FLORIST AVE NE QUADRANT
WINFIELD AVE SW QUADRANT
CLOVERNOOK RD NW QUADRANT
ACACIA ST SW QUADRANT
ACACIA ST NE QUADRANT
GREEN TREE RD SW QUADRANT
GREEN TREE RD NE QUADRANT
CALUMET RD NE QUADRANT
CALUMET RD SW QUADRANT
LOLITIA AVE NW QUADRANT
BRADLEY RD SW QUADRANT
BRADLEY RD NE QUADRANT
NORTHRIDGE LAKES BLVD SW QUADRANT



SCENARIO "B" TEMPORARY PEDESTRIAN ACCESS CURB RAMP CONSTRUCTION AT TWO QUADRANTS

WINFIELD AVE NE & SE QUADRANT
CLOVERNOOK ST NE & SE QUADRANT
DENVER AVE NW & SW QUADRANT
DENVER AVE NE & SE QUADRANT
CLINTON AVE NE & SE QUADRANT
TOWER AVE NW & SW QUADRANT
TOWER AVE NE & SE QUADRANT
FAIRY CHASM DR NW & SW QUADRANT
FAIRY CHASM DR NE & SE QUADRANT
GLENBROOK DR NE & SE QUADRANT



SCENARIO "C" TEMPORARY PEDESTRIAN ACCESS WITH CONSTRUCTION AT A SINGLE QUADRANT WITH BUS STOP TO REMAIN OPEN

FLORIST AVE NW QUADRANT
FLORIST AVE SE QUADRANT
WINFIELD AVE NW QUADRANT
MILL RD NW QUADRANT
MILL RD SW QUADRANT
MILL RD SE QUADRANT
ACACIA ST NW QUADRANT
ACACIA ST SE QUADRANT
GREEN TREE RD NW QUADRANT
CALUMENT RD SE QUADRANT
BRADLEY RD NW QUADRANT
BRADLEY RD SE QUADRANT
NORTHRIDGE LAKES BLVD NW QUADRANT

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

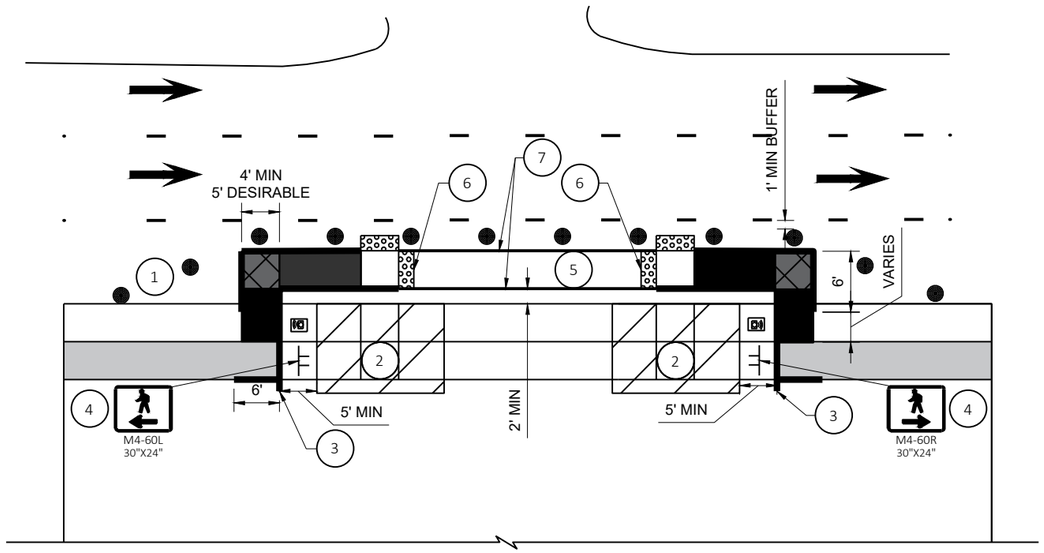
WHEN TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS.
3. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.
5. USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.
6. OPTIONAL TEMPORARY DETECTABLE WARNING FIELD IF DRIVEWAY IS PRESENT
7. WHITE 6" TEMPORARY PAVEMENT MARKING
8. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- EXISTING SIDEWALK
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY PEDESTRIAN ACCOMODATIONS	SHEET 34	E



SCENARIO "D" TEMPORARY PEDESTRIAN ACCESS CURB RAMP CONSTRUCTION AT MIDBLOCK LOCATIONS

STA 119+73 EAST CURB RAMPS
STA 119+73 WEST CURB RAMP
STA 143+75 EAST CURB RAMP
STA 270+00 EAST CURB RAMP
STA 270+00 WEST CURB RAMP

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE IS 6 FEET LONG.

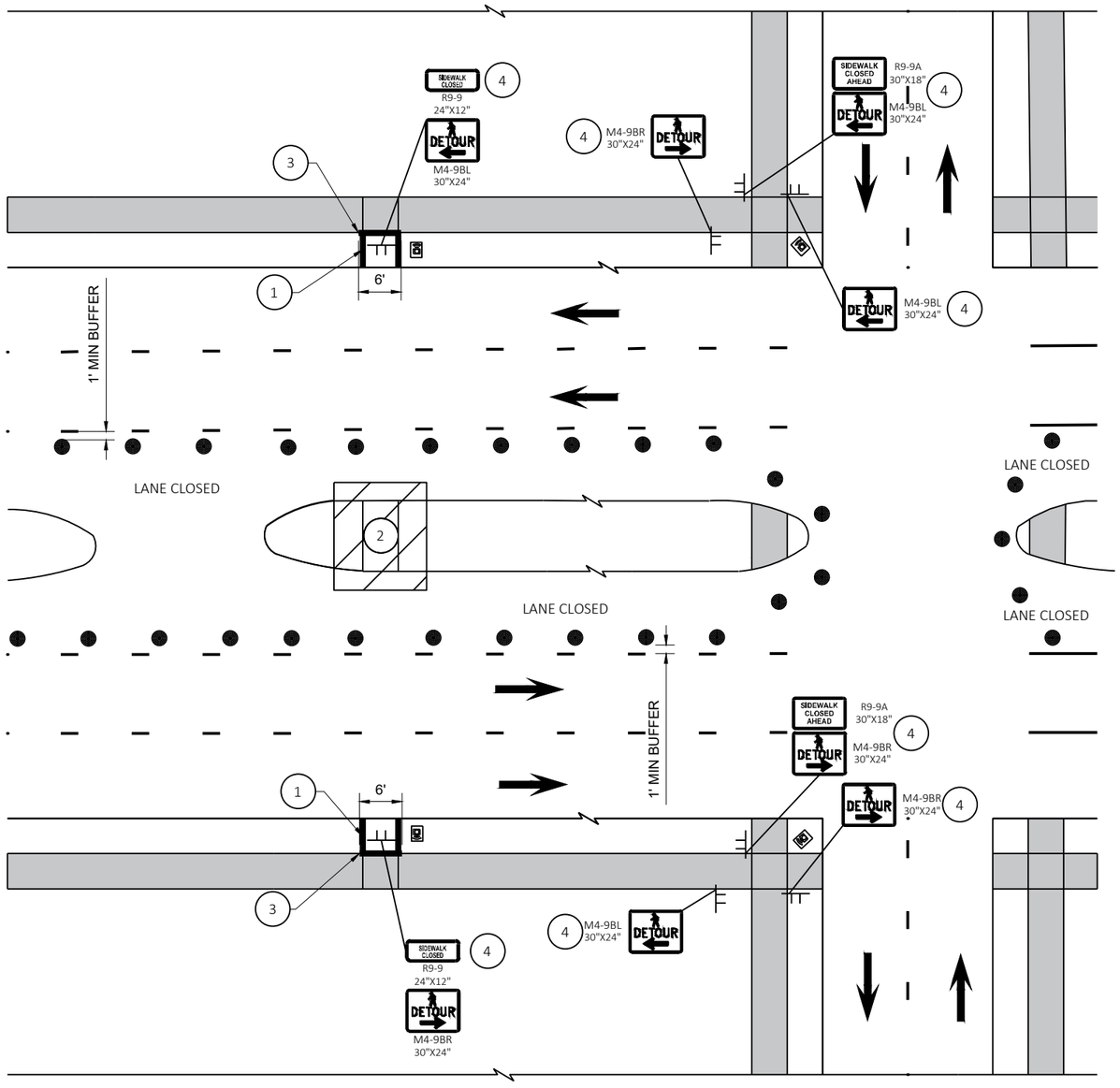
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHEN TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS.
3. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.
5. USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.
6. OPTIONAL TEMPORARY DETECTABLE WARNING FIELD IF DRIVEWAY IS PRESENT
7. WHITE 6" TEMPORARY PAVEMENT MARKING

LEGEND

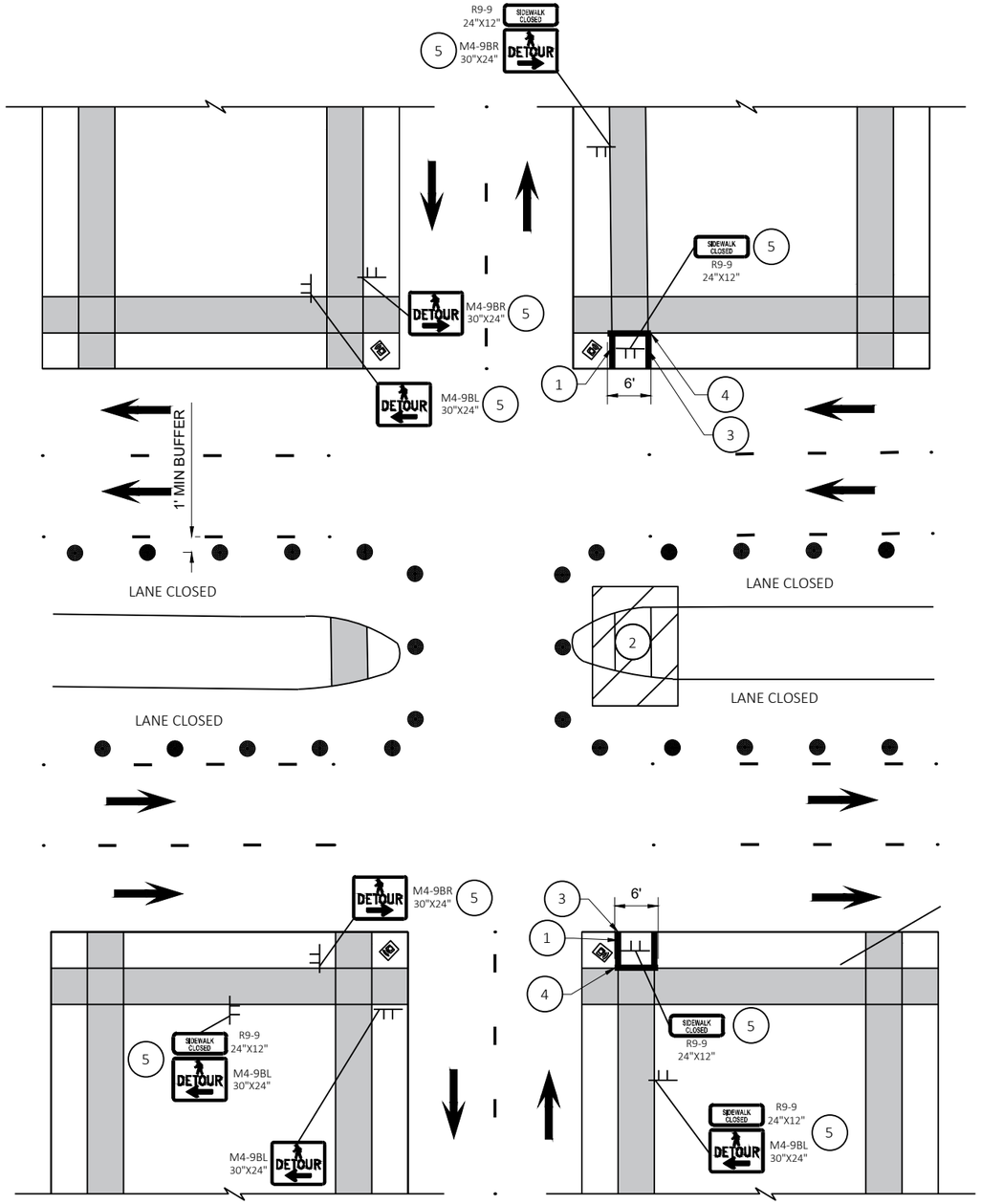
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- EXISTING SIDEWALK
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SCENARIO "E" MEDIAN MID-BLOCK CURB RAMP CONSTRUCTION STAGE 2 TRAFFIC CONTROL

CLOVERNOOK SOUTH MEDIAN
STA 119+73 SOUTH MEDIAN
LOLITA AVE NORTH MEDIAN
STA 270+00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY PEDESTRIAN ACCOMODATIONS	SHEET 35	E



LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- DIRECTION OF TRAFFIC
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- EXISTING SIDEWALK
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS.
3. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
4. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
5. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SCENARIO "F" MEDIAN CURB RAMP CONSTRUCTION STAGE 2 TRAFFIC CONTROL

FLORIST AVE
WINFIELD AVE
MILL RD
ACACIA ST

GREEN TREE RD
DENVER AVE
CLINTON AVE
CALUMET RD

BRADLEY RD
TOWER AVE
SERVITE DR
ALLYN ST

NORTHRIDGE LAKES BLVD
FAIRY CHASM DR
GLENBROOK RD

GENERAL NOTES

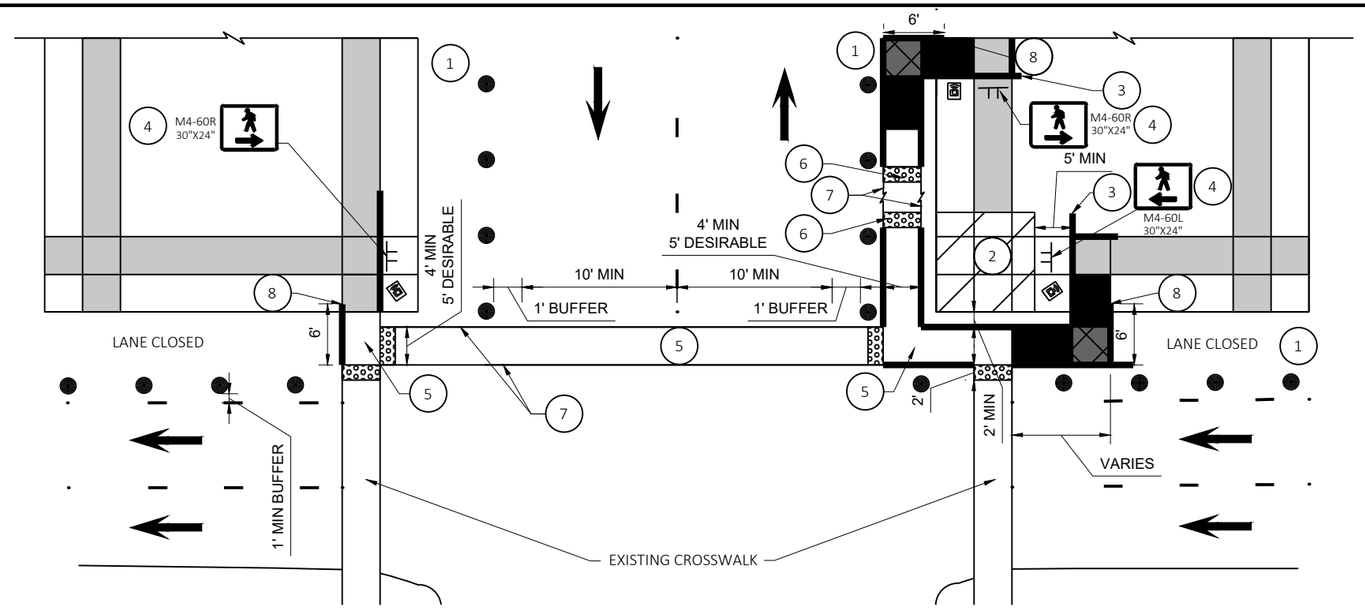
IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHEN TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS.
3. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.
5. USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.
6. OPTIONAL TEMPORARY DETECTABLE WARNING FIELD IF DRIVEWAY IS PRESENT. IF NO TEMPORARY DETECTABLE WARNING FIELD, CONTINUE PEDESTRIAN BARRICADE TO PREVENT GAP.
7. WHITE 6" TEMPORARY PAVEMENT MARKING
8. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

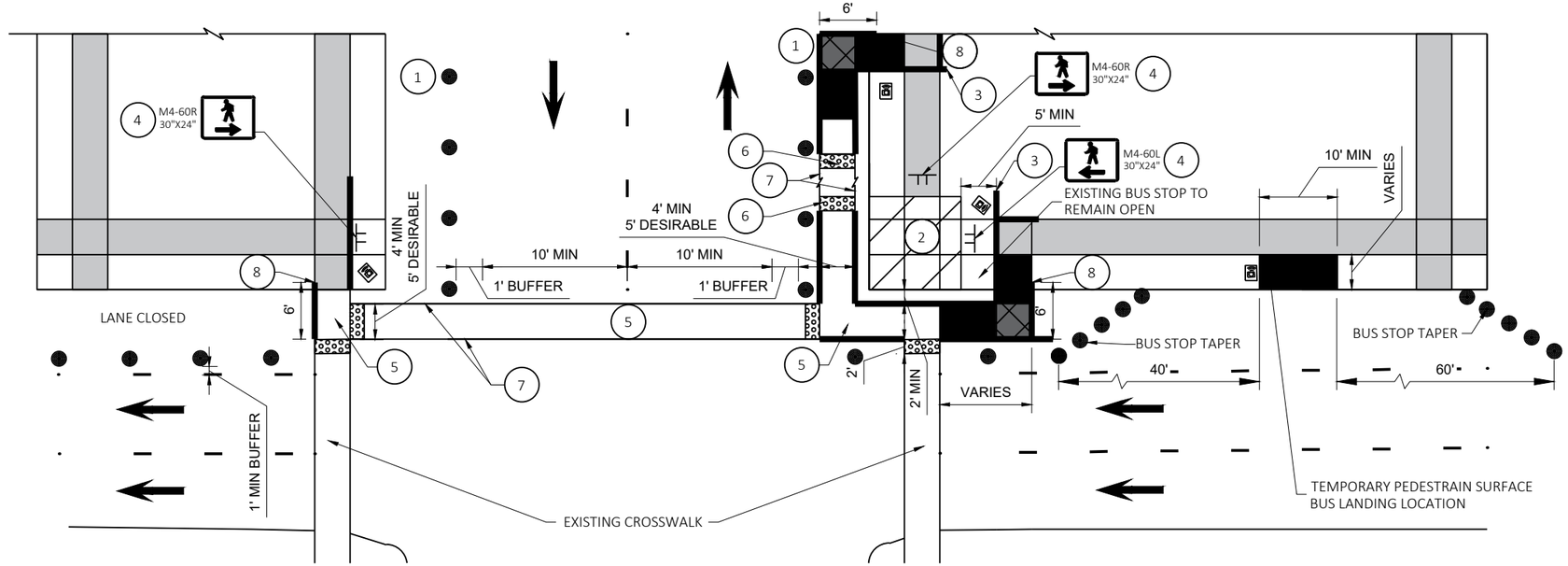


LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- EXISTING SIDEWALK
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

SCENARIO "G" TEMPORARY PEDESTRIAN ACCESS CURB RAMP CONSTRUCTION AT A SINGLE QUADRANT WITH NO PEDESTRIAN DETOUR ACCESS AVAILABLE

MILL RD NE QUADRANT
CLOVERNOOK ST SW QUADRANT
CLINTON AVE NW QUADRANT
CLINTON AVE SW QUADRANT
SERVITE DR SE QUADRANT
SERVITE DR NE QUADRANT
SERVITE DR SW QUADRANT
GLENBROOK RD NW QUADRANT
GLENBROOK RD SW QUADRANT



SCENARIO "H" TEMPORARY PEDESTRIAN ACCESS CURB RAMP CONSTRUCTION AT A SINGLE QUADRANT WITH NO PEDESTRIAN DETOUR ACCESS AVAILABLE AND BUS STOP TO REMAIN OPEN

GREEN TREE RD SE QUADRANT
GOOD HOPE RD NW QUADRANT
GOOD HOPE RD SE QUADRANT
CALUMET RD NW QUADRANT
SERVITE DR NW QUADRANT

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY PEDESTRIAN ACCOMODATIONS	SHEET 37	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021002-CD BH DRAFT.DWG
LAYOUT NAME - 04
PLOT DATE : 4/10/2025 7:39 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:20 FT

GENERAL NOTES

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

TEMPORARY DETECTABLE WARNING FIELDS SHALL BE 2 FEET IN WIDTH.

TEMPORARY PEDESTRIAN ROUTE SHALL BE 2 FEET MINIMUM FROM THE WORK ZONE.

1. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
2. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.
3. A MINIMUM OF 1 FEET BUFFER SPACE BETWEEN THE TRAFFIC DRUMS AND THE LIVE TRAFFIC LANE.
4. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS.
5. USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.

LEGEND

- A — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH WHITE
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY DETECTABLE WARNING FIELD
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- WORK ZONE
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

N

CTH PP - GOOD HOPE ROAD

25' TYP

LANE CLOSED STAGE 1

25' TYP

PI: 126+24.15

STH 181 - 76TH STREET

125

126

127

5

5

3

60'

40'

BUS STOP TAPER

18'

12'

5'

A

18'

5'

18'

18'

3

LANE CLOSED STAGE 1

M4-60L
30"X24"

18'

5

4

18'

18'

12'

5

BUS STOP 28
TEMPORARY STOP

BUS STOP 28
EXISTING STOP
TEMPORARILY CLOSED

2

1

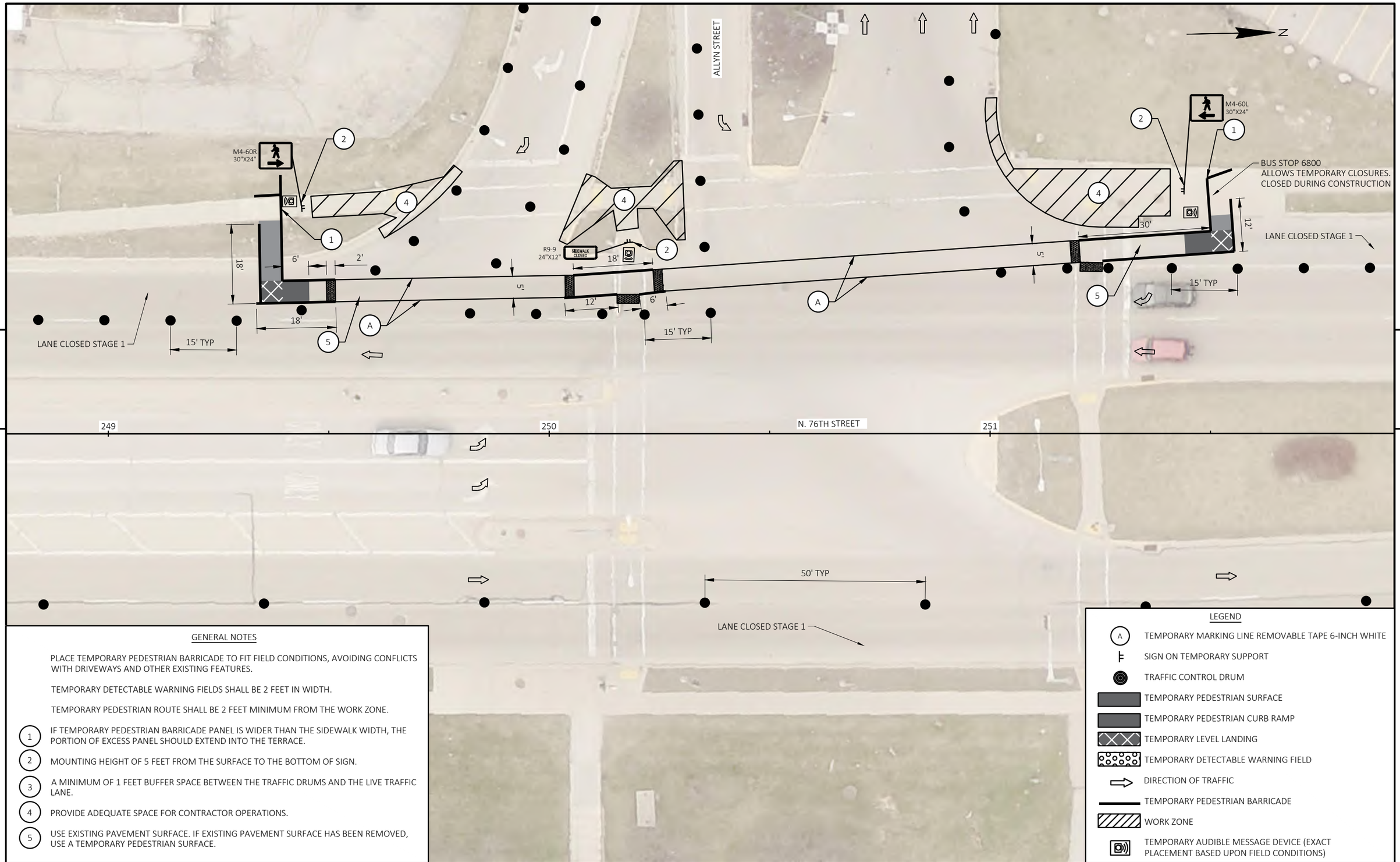
15' TYP

CTH PP - GOOD HOPE ROAD

15' TYP

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	GOOD HOPE RD TEMPORARY PEDESTRIAN ACCOMODATIONS	SHEET 38	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021006-CD-BH.DWG
LAYOUT NAME - GOOD HOPE RD TEMPORARY PEDESTRIAN ACCOMODATIONS
PLOT DATE : 4/10/2025 7:39 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



5

5

GENERAL NOTES

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

TEMPORARY DETECTABLE WARNING FIELDS SHALL BE 2 FEET IN WIDTH.

TEMPORARY PEDESTRIAN ROUTE SHALL BE 2 FEET MINIMUM FROM THE WORK ZONE.

1. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
2. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.
3. A MINIMUM OF 1 FEET BUFFER SPACE BETWEEN THE TRAFFIC DRUMS AND THE LIVE TRAFFIC LANE.
4. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS.
5. USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.

LEGEND

- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH WHITE
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN CURB RAMP
- TEMPORARY LEVEL LANDING
- TEMPORARY DETECTABLE WARNING FIELD
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- WORK ZONE
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	ALLYN ST TEMPORARY PEDESTRIAN ACCOMODATIONS	SHEET 39	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021004-CD-BH.DWG
LAYOUT NAME - ALLYN ST TEMPORARY PEDESTRIAN ACCOMODATIONS
PLOT DATE : 4/10/2025 7:39 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

LEGEND

- A — TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH WHITE
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY LEVEL LANDING
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- DIRECTION OF TRAFFIC
- TEMPORARY PEDESTRIAN BARRICADE
- WORK ZONE
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

GENERAL NOTES

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

TEMPORARY DETECTABLE WARNING FIELDS SHALL BE 2 FEET IN WIDTH.

TEMPORARY PEDESTRIAN ROUTE SHALL BE 2 FEET MINIMUM FROM THE WORK ZONE.

1. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
2. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.
3. A MINIMUM OF 1 FEET BUFFER SPACE BETWEEN THE TRAFFIC DRUMS AND THE LIVE TRAFFIC LANE.
4. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS.
5. USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.

NORTHRIDGE LAKES BLVD

N

BUS STOP 9696
TO REMAIN OPEN

LANE CLOSED STAGE 1

25' TYP

LANE CLOSED STAGE 1

25' TYP

5

5

256

257

N. 76TH STREET

258

LANE CLOSED
R11-2L
48"X30"

3

TEMPORARY BUS STOP LANDING PAD

5

6'

10' MIN

LANE CLOSED STAGE 1

6'

4'

36'

BUS STOP 2476
TO REMAIN OPEN

2' MIN

4

A

15' TYP

15' TYP

5' DESIRABLE
4' MIN

5

24'

18'

LANE CLOSED STAGE 1

4

1

2

M4-60L
30"X24"

M4-60R
30"X24"

1

2

4

NORTHRIDGE LAKES BLVD

LANE CLOSED STAGE 1

LANE CLOSED STAGE 1

LANE CLOSED
R11-2L
48"X30"

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	NORTHRIDGE LAKES BLVD TEMPORARY PEDESTRIAN ACCOMODATIONS	SHEET 40	E

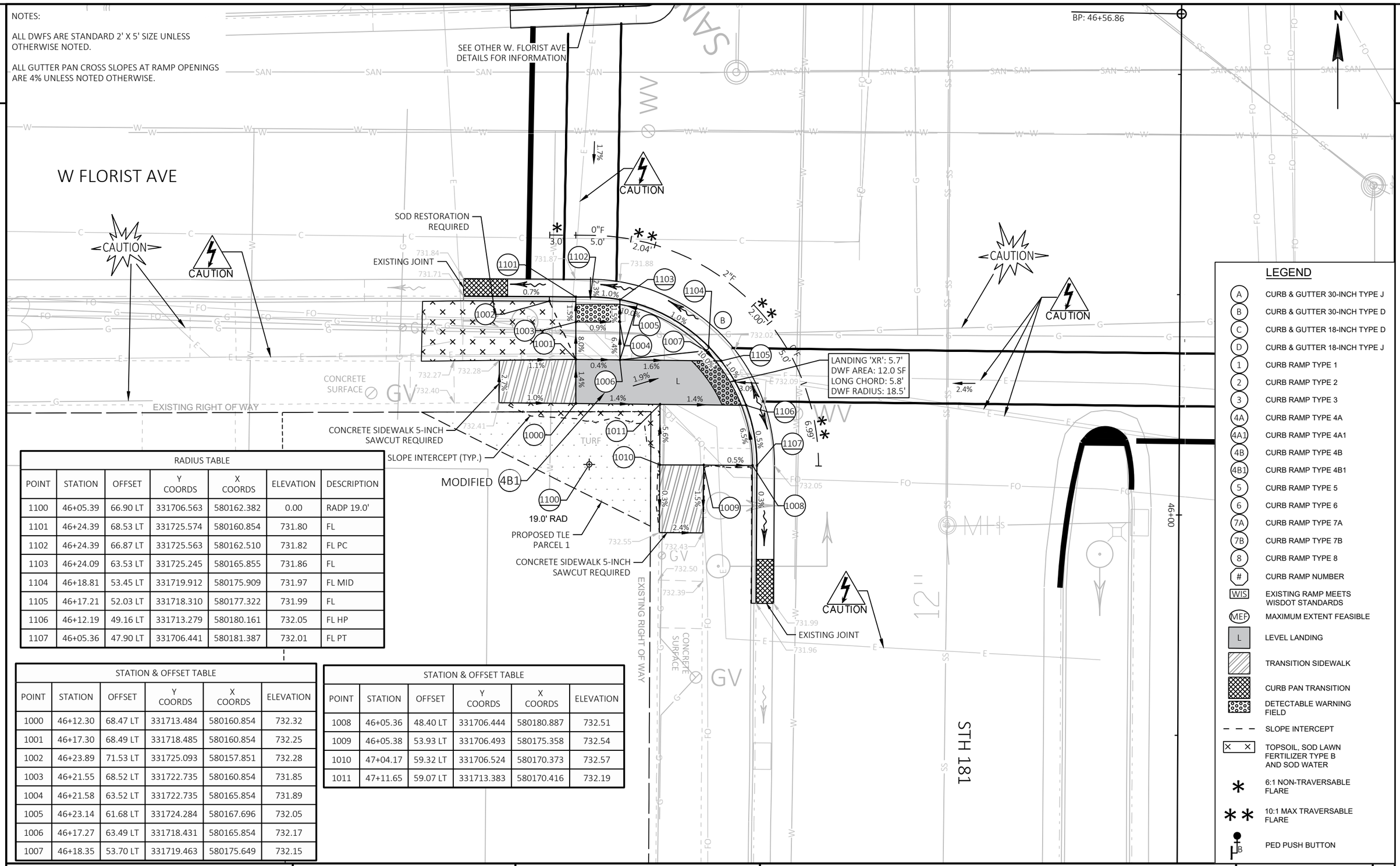
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021005-CD-BH.DWG
LAYOUT NAME - NORTHRIDGE LAKES BLVD TEMPORARY PEDESTRIAN ACCOMODATIONS

PLOT DATE : 4/10/2025 7:40 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:20 FT

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
1100	46+05.39	66.90 LT	331706.563	580162.382	0.00	RADP 19.0'
1101	46+24.39	68.53 LT	331725.574	580160.854	731.80	FL
1102	46+24.39	66.87 LT	331725.563	580162.510	731.82	FL PC
1103	46+24.09	63.53 LT	331725.245	580165.855	731.86	FL
1104	46+18.81	53.45 LT	331719.912	580175.909	731.97	FL MID
1105	46+17.21	52.03 LT	331718.310	580177.322	731.99	FL
1106	46+12.19	49.16 LT	331713.279	580180.161	732.05	FL HP
1107	46+05.36	47.90 LT	331706.441	580181.387	732.01	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1000	46+12.30	68.47 LT	331713.484	580160.854	732.32
1001	46+17.30	68.49 LT	331718.485	580160.854	732.25
1002	46+23.89	71.53 LT	331725.093	580157.851	732.28
1003	46+21.55	68.52 LT	331722.735	580160.854	731.85
1004	46+21.58	63.52 LT	331722.735	580165.854	731.89
1005	46+23.14	61.68 LT	331724.284	580167.696	732.05
1006	46+17.27	63.49 LT	331718.431	580165.854	732.17
1007	46+18.35	53.70 LT	331719.463	580175.649	732.15

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1008	46+05.36	48.40 LT	331706.444	580180.887	732.51
1009	46+05.38	53.93 LT	331706.493	580175.358	732.54
1010	47+04.17	59.32 LT	331706.524	580170.373	732.57
1011	47+11.65	59.07 LT	331713.383	580170.416	732.19

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PB — PED PUSH BUTTON

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W FLORIST AVE	SHEET 41	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-1.DWG
LAYOUT NAME - 01
PLOT DATE : 4/23/2025 3:24 PM
PLOT BY : NICHOLAS TRAUB
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
1120	47+15.56	70.74 LT	331817.710	580159.927	0.00	RADP 23.0'
1121	47+14.46	47.76 LT	331816.177	580182.876	732.04	FL PC
1122	47+04.26	50.71 LT	331806.035	580179.744	731.99	FL
1123	46+99.55	54.23 LT	331801.389	580176.133	731.95	FL MID
1124	46+99.22	54.56 LT	331801.065	580175.800	731.95	FL
1125	46+93.46	64.39 LT	331795.487	580165.854	731.87	FL
1126	46+92.64	68.94 LT	331794.751	580161.297	731.84	FL PT
1127	46+92.60	69.38 LT	331794.725	580160.854	731.84	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1015	47+04.17	59.32 LT	331806.102	580171.125	732.12
1016	47+11.65	59.07 LT	331813.577	580171.518	732.62
1017	47+11.30	48.65 LT	331813.029	580181.935	732.52
1018	46+99.18	58.42 LT	331801.095	580171.935	732.01
1019	46+98.13	56.51 LT	331800.014	580173.823	732.11
1020	46+96.05	64.44 LT	331798.086	580165.854	731.92
1021	46+94.56	62.68 LT	331796.556	580167.592	732.07
1022	46+95.10	69.43 LT	331797.229	580160.854	731.89
1023	46+92.63	75.40 LT	331794.867	580154.840	732.23
1024	46+99.07	75.49 LT	331801.307	580154.862	732.29
1025	46+99.48	69.51 LT	331801.607	580160.854	731.94

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
1108	46+58.14	60.75 LT	331760.106	580168.832	0.00	RADP 1.50'
1109	46+50.07	64.06 LT	331751.228	580165.452	0.00	RADP 11.00'
1110	46+60.31	68.77 LT	331762.430	580160.854	732.46	FL
1111	46+60.20	63.91 LT	331762.225	580165.714	732.48	FL PC
1112	46+60.20	63.77 LT	331762.221	580165.854	732.48	FL
1113	46+59.55	60.25 LT	331761.508	580169.366	732.48	FL PI
1114	46+57.92	59.27 LT	331759.859	580170.312	732.49	FL MID HP
1115	46+56.91	60.68 LT	331758.606	580168.882	732.48	FL PT
1116	46+56.91	63.71 LT	331758.504	580165.854	732.47	FL
1117	46+56.68	68.70 LT	331758.336	580160.854	732.44	FL

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
1130	46+99.61	11.50 LT	331800.646	580218.860	733.22	FL
1131	47+04.61	11.48 LT	331805.646	580218.973	733.14	FL
1132	47+09.89	11.46 LT	331810.923	580219.093	733.16	FL
1133	47+09.88	5.82 LT	331810.814	580224.728	733.39	FL
1134	47+04.68	5.79 LT	331805.610	580224.656	733.38	FL
1135	46+99.68	5.77 LT	331800.610	580224.586	733.38	FL

CAUTION
CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED
PROPOSED TLE PARCEL 3
23.0' RAD
EXISTING RIGHT OF WAY
CONCRETE SURFACE
EXISTING BUS STOP
EXISTING JOINT
STH 181
SAWCUT JOINT
PROPOSED PLE PARCEL 3
TURF
SIDEWALK RADIUS: 16.0'
SLOPE INTERCEPT (TYP.)
CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED
LANDING 'XR': 7.2'
DWF AREA: 13.4 SF
LONG CHORD: 6.4'
DWF RADIUS: 22.5'
LANDING 'XR': 2.9'
DWF AREA: 10.2 SF
LONG CHORD: 5.1'
DWF RADIUS: 22.5'
REJECT 0"F 5.0'
W FLORIST AVE
BP: 46+56.86
47+00

NOTES:

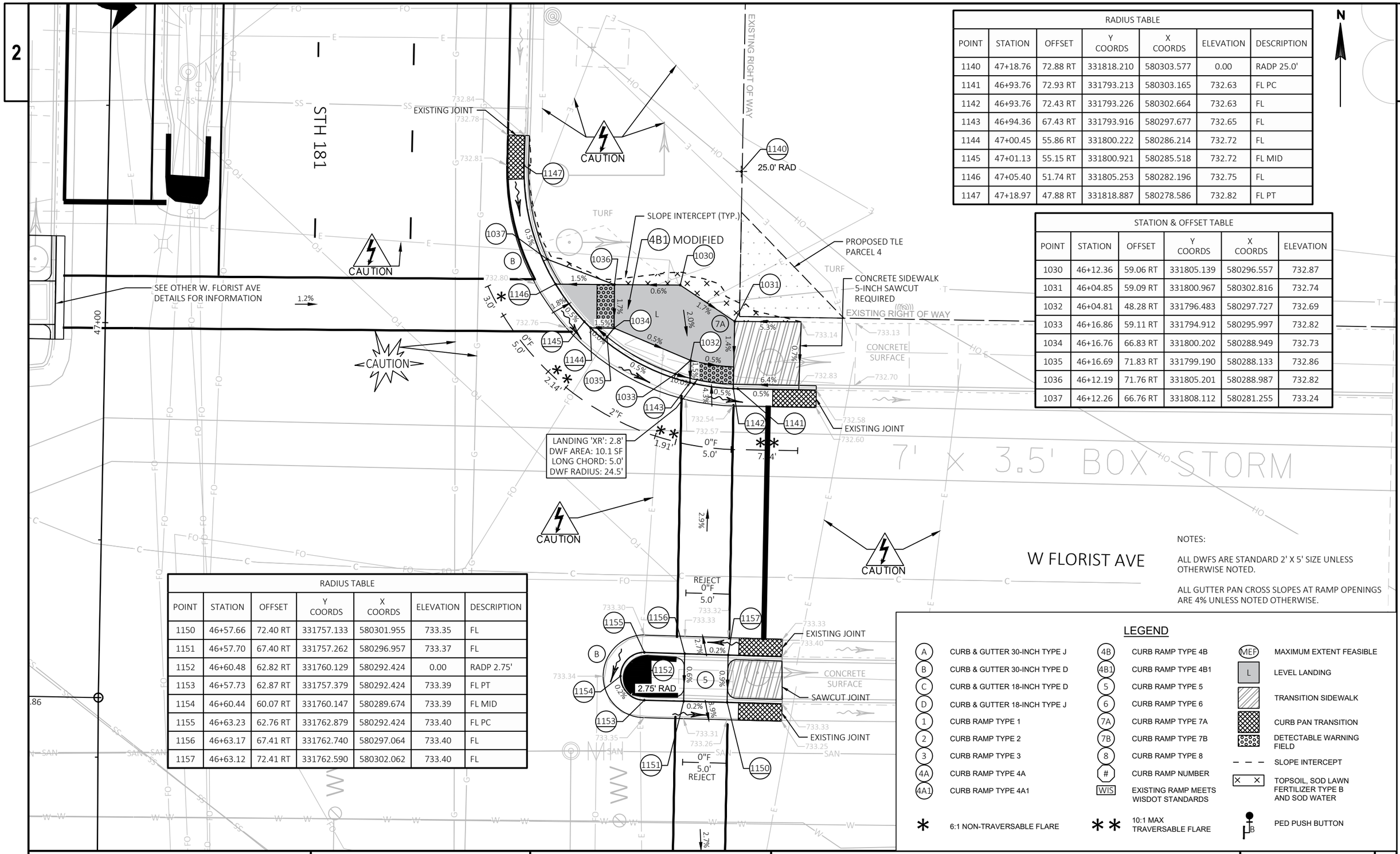
ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
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- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PB — PED PUSH BUTTON

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W FLORIST AVE	SHEET 42	E



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
1140	47+18.76	72.88 RT	331818.210	580303.577	0.00	RADP 25.0'
1141	46+93.76	72.93 RT	331793.213	580303.165	732.63	FL PC
1142	46+93.76	72.43 RT	331793.226	580302.664	732.63	FL
1143	46+94.36	67.43 RT	331793.916	580297.677	732.65	FL
1144	47+00.45	55.86 RT	331800.222	580286.214	732.72	FL
1145	47+01.13	55.15 RT	331800.921	580285.518	732.72	FL MID
1146	47+05.40	51.74 RT	331805.253	580282.196	732.75	FL
1147	47+18.97	47.88 RT	331818.887	580278.586	732.82	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1030	46+12.36	59.06 RT	331805.139	580296.557	732.87
1031	46+04.85	59.09 RT	331800.967	580302.816	732.74
1032	46+04.81	48.28 RT	331796.483	580297.727	732.69
1033	46+16.86	59.11 RT	331794.912	580295.997	732.82
1034	46+16.76	66.83 RT	331800.202	580288.949	732.73
1035	46+16.69	71.83 RT	331799.190	580288.133	732.86
1036	46+12.19	71.76 RT	331805.201	580288.987	732.82
1037	46+12.26	66.76 RT	331808.112	580281.255	733.24

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
1150	46+57.66	72.40 RT	331757.133	580301.955	733.35	FL
1151	46+57.70	67.40 RT	331757.262	580296.957	733.37	FL
1152	46+60.48	62.82 RT	331760.129	580292.424	0.00	RADP 2.75'
1153	46+57.73	62.87 RT	331757.379	580292.424	733.39	FL PT
1154	46+60.44	60.07 RT	331760.147	580289.674	733.39	FL MID
1155	46+63.23	62.76 RT	331762.879	580292.424	733.40	FL PC
1156	46+63.17	67.41 RT	331762.740	580297.064	733.40	FL
1157	46+63.12	72.41 RT	331762.590	580302.062	733.40	FL

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W FLORIST AVE	SHEET 43	E

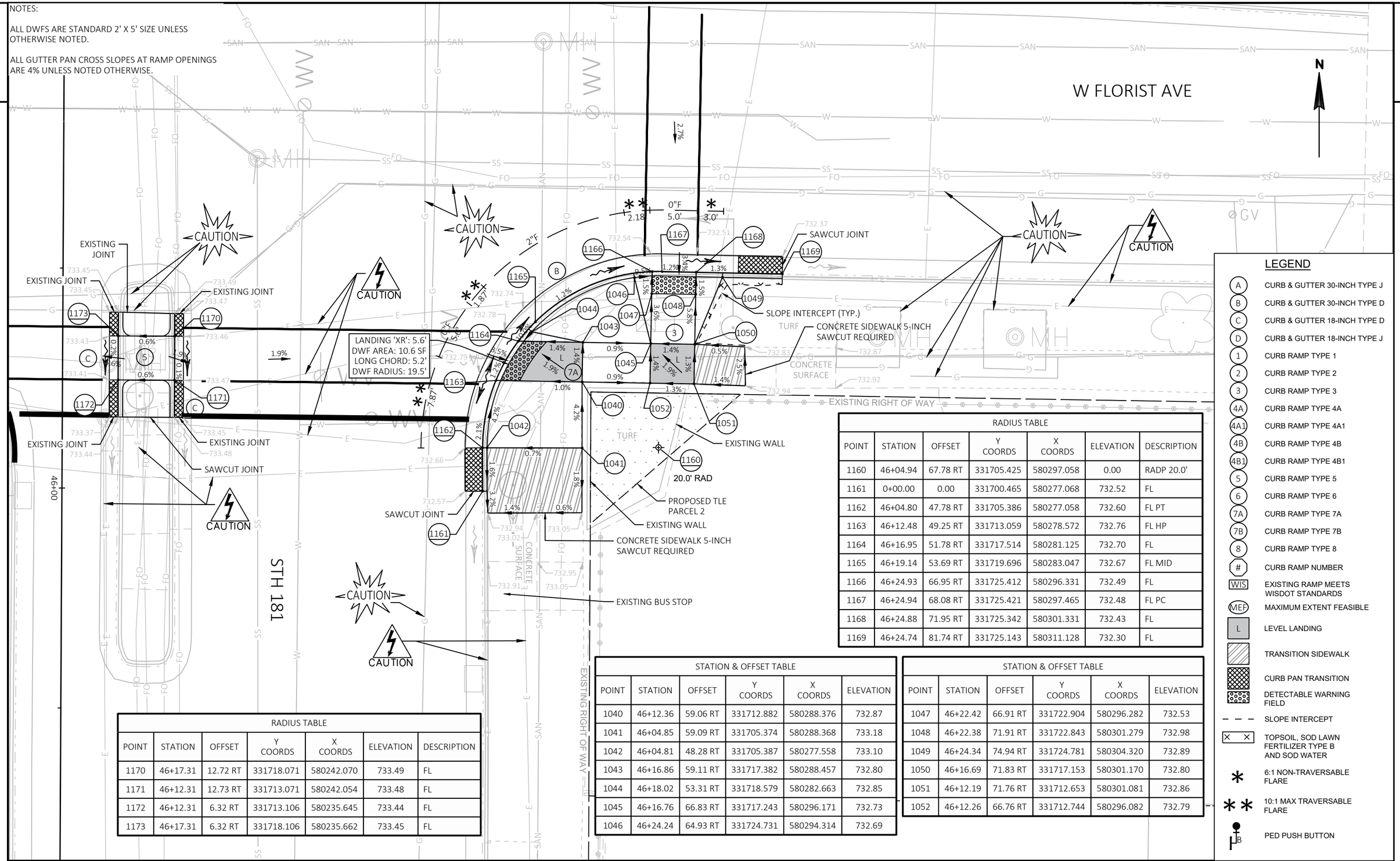
FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-1.DWG
LAYOUT NAME - 03

PLOT DATE : 4/23/2025 3:24 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1 IN:10 FT

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.



LEGEND

A	CURB & GUTTER 30-INCH TYPE J
B	CURB & GUTTER 30-INCH TYPE D
C	CURB & GUTTER 18-INCH TYPE D
D	CURB & GUTTER 18-INCH TYPE J
1	CURB RAMP TYPE 1
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4A	CURB RAMP TYPE 4A
4A1	CURB RAMP TYPE 4A1
4B	CURB RAMP TYPE 4B
4B1	CURB RAMP TYPE 4B1
5	CURB RAMP TYPE 5
6	CURB RAMP TYPE 6
7A	CURB RAMP TYPE 7A
7B	CURB RAMP TYPE 7B
8	CURB RAMP TYPE 8
#	CURB RAMP NUMBER
WIS	EXISTING RAMP MEETS WISDOT STANDARDS
MEF	MAXIMUM EXTENT FEASIBLE
L	LEVEL LANDING
	TRANSITION SIDEWALK
	CURB PAN TRANSITION
	DETECTABLE WARNING FIELD
	SLOPE INTERCEPT
X X	TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
*	6:1 NON-TRAVERSABLE FLARE
**	10:1 MAX TRAVERSABLE FLARE
PB	PED PUSH BUTTON

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
1160	46+04.94	67.78 RT	331705.425	580297.058	0.00	RADP 20.0'
1161	0+00.00	0.00	331700.465	580277.068	732.52	FL
1162	46+04.80	47.78 RT	331705.386	580277.058	732.60	FL PT
1163	46+12.48	49.25 RT	331713.059	580278.572	732.76	FL HP
1164	46+16.95	51.78 RT	331717.514	580281.125	732.70	FL
1165	46+19.14	53.69 RT	331719.696	580283.047	732.67	FL MID
1166	46+24.93	66.95 RT	331725.412	580296.331	732.49	FL
1167	46+24.94	68.08 RT	331725.421	580297.465	732.48	FL PC
1168	46+24.88	71.95 RT	331725.342	580301.331	732.43	FL
1169	46+24.74	81.74 RT	331725.143	580311.128	732.30	FL

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
1170	46+17.31	12.72 RT	331718.071	580242.070	733.49	FL
1171	46+12.31	12.73 RT	331713.071	580242.054	733.48	FL
1172	46+12.31	6.32 RT	331713.106	580235.645	733.44	FL
1173	46+17.31	6.32 RT	331718.106	580235.662	733.45	FL

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1040	46+12.36	59.06 RT	331712.882	580288.376	732.87
1041	46+04.85	59.09 RT	331705.374	580288.368	733.18
1042	46+04.81	48.28 RT	331705.387	580277.558	733.10
1043	46+16.86	59.11 RT	331717.382	580288.457	732.80
1044	46+18.02	53.31 RT	331718.579	580282.663	732.85
1045	46+16.76	66.83 RT	331717.243	580296.171	732.73
1046	46+24.24	64.93 RT	331724.731	580294.314	732.69

STATION & OFFSET TABLE

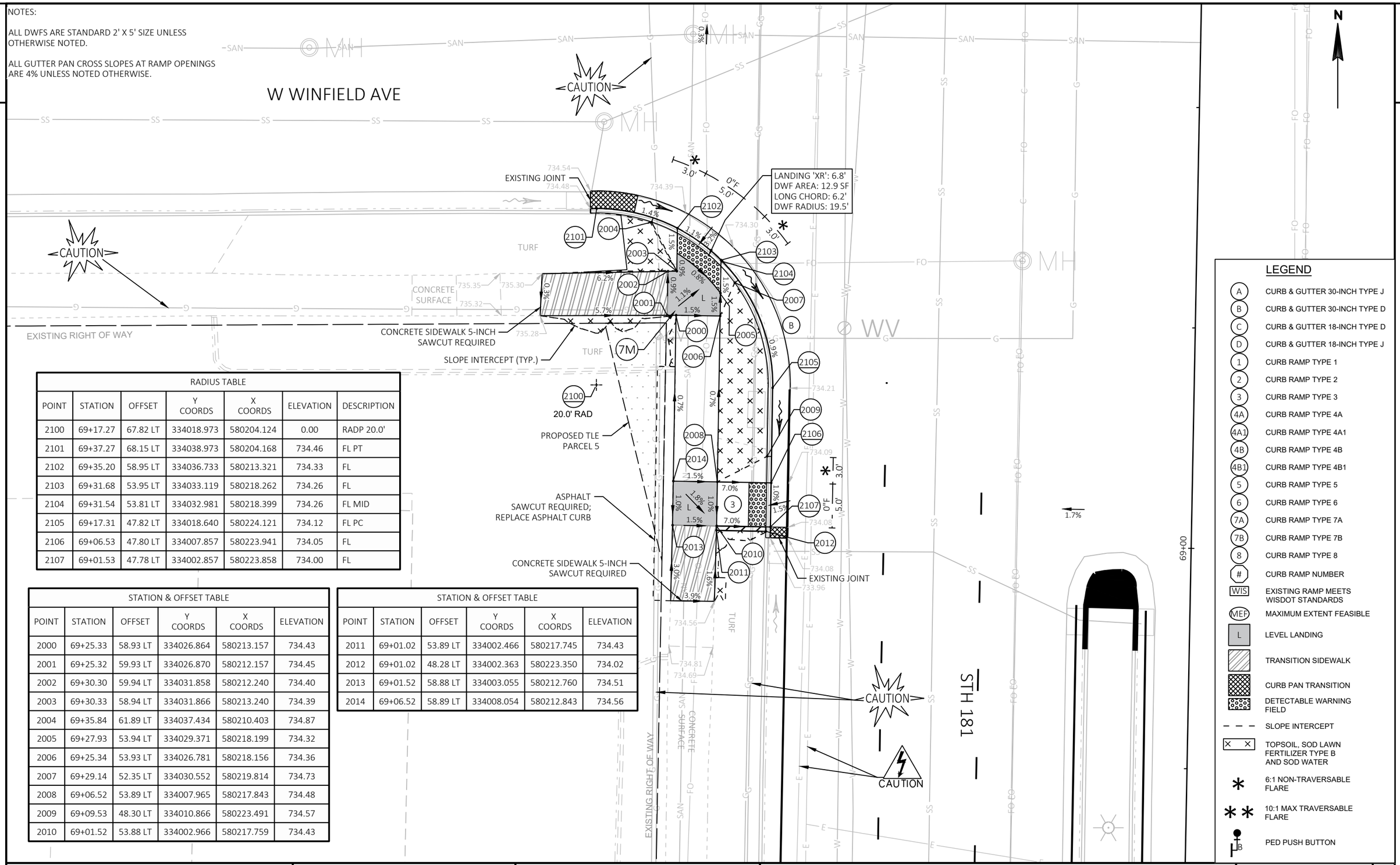
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
1047	46+22.42	66.91 RT	331722.904	580296.282	732.53
1048	46+22.38	71.91 RT	331722.843	580301.279	732.98
1049	46+24.34	74.94 RT	331724.781	580304.320	732.89
1050	46+16.69	71.83 RT	331717.153	580301.170	732.80
1051	46+12.19	71.76 RT	331712.653	580301.081	732.86
1052	46+12.26	66.76 RT	331712.744	580296.082	732.79

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W FLORIST AVE	SHEET 44	E

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
2100	69+17.27	67.82 LT	334018.973	580204.124	0.00	RADP 20.0'
2101	69+37.27	68.15 LT	334038.973	580204.168	734.46	FL PT
2102	69+35.20	58.95 LT	334036.733	580213.321	734.33	FL
2103	69+31.68	53.95 LT	334033.119	580218.262	734.26	FL
2104	69+31.54	53.81 LT	334032.981	580218.399	734.26	FL MID
2105	69+17.31	47.82 LT	334018.640	580224.121	734.12	FL PC
2106	69+06.53	47.80 LT	334007.857	580223.941	734.05	FL
2107	69+01.53	47.78 LT	334002.857	580223.858	734.00	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
2000	69+25.33	58.93 LT	334026.864	580213.157	734.43
2001	69+25.32	59.93 LT	334026.870	580212.157	734.45
2002	69+30.30	59.94 LT	334031.858	580212.240	734.40
2003	69+30.33	58.94 LT	334031.866	580213.240	734.39
2004	69+35.84	61.89 LT	334037.434	580210.403	734.87
2005	69+27.93	53.94 LT	334029.371	580218.199	734.32
2006	69+25.34	53.93 LT	334026.781	580218.156	734.36
2007	69+29.14	52.35 LT	334030.552	580219.814	734.73
2008	69+06.52	53.89 LT	334007.965	580217.843	734.48
2009	69+09.53	48.30 LT	334010.866	580223.491	734.57
2010	69+01.52	53.88 LT	334002.966	580217.759	734.43

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
2011	69+01.02	53.89 LT	334002.466	580217.745	734.43
2012	69+01.02	48.28 LT	334002.363	580223.350	734.02
2013	69+01.52	58.88 LT	334003.055	580212.760	734.51
2014	69+06.52	58.89 LT	334008.054	580212.843	734.56

LEGEND

A	CURB & GUTTER 30-INCH TYPE J
B	CURB & GUTTER 30-INCH TYPE D
C	CURB & GUTTER 18-INCH TYPE D
D	CURB & GUTTER 18-INCH TYPE J
1	CURB RAMP TYPE 1
2	CURB RAMP TYPE 2
3	CURB RAMP TYPE 3
4A	CURB RAMP TYPE 4A
4A1	CURB RAMP TYPE 4A1
4B	CURB RAMP TYPE 4B
4B1	CURB RAMP TYPE 4B1
5	CURB RAMP TYPE 5
6	CURB RAMP TYPE 6
7A	CURB RAMP TYPE 7A
7B	CURB RAMP TYPE 7B
8	CURB RAMP TYPE 8
#	CURB RAMP NUMBER
WIS	EXISTING RAMP MEETS WISDOT STANDARDS
MEF	MAXIMUM EXTENT FEASIBLE
L	LEVEL LANDING
	TRANSITION SIDEWALK
	CURB PAN TRANSITION
	DETECTABLE WARNING FIELD
	SLOPE INTERCEPT
	TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
*	6:1 NON-TRAVERSABLE FLARE
**	10:1 MAX TRAVERSABLE FLARE
PB	PED PUSH BUTTON

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W WINFIELD AVE	SHEET 45	E

2

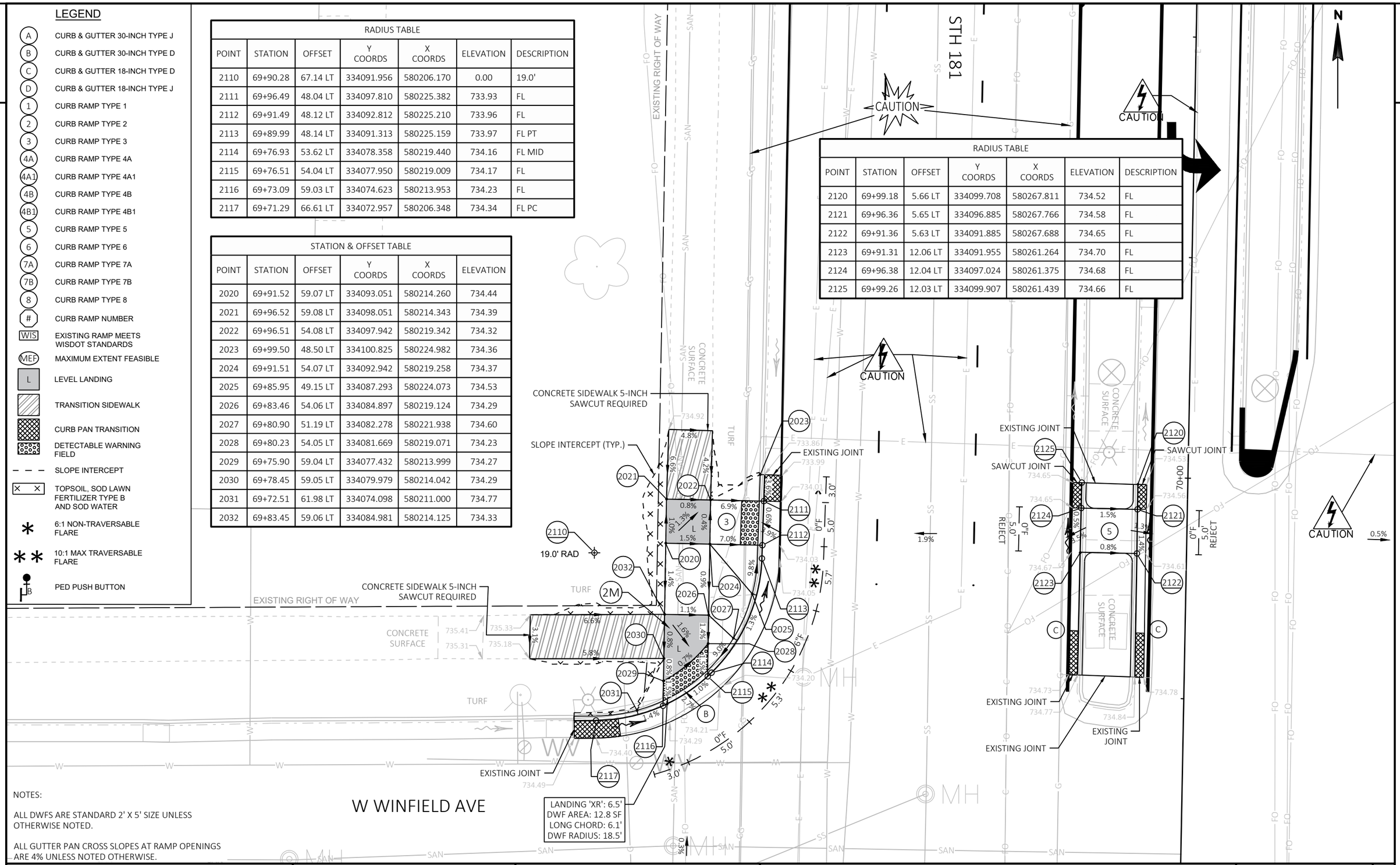
LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- 6:1 NON-TRAVERSABLE FLARE
- 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
2110	69+90.28	67.14 LT	334091.956	580206.170	0.00	19.0'
2111	69+96.49	48.04 LT	334097.810	580225.382	733.93	FL
2112	69+91.49	48.12 LT	334092.812	580225.210	733.96	FL
2113	69+89.99	48.14 LT	334091.313	580225.159	733.97	FL PT
2114	69+76.93	53.62 LT	334078.358	580219.440	734.16	FL MID
2115	69+76.51	54.04 LT	334077.950	580219.009	734.17	FL
2116	69+73.09	59.03 LT	334074.623	580213.953	734.23	FL
2117	69+71.29	66.61 LT	334072.957	580206.348	734.34	FL PC

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
2020	69+91.52	59.07 LT	334093.051	580214.260	734.44
2021	69+96.52	59.08 LT	334098.051	580214.343	734.39
2022	69+96.51	54.08 LT	334097.942	580219.342	734.32
2023	69+99.50	48.50 LT	334100.825	580224.982	734.36
2024	69+91.51	54.07 LT	334092.942	580219.258	734.37
2025	69+85.95	49.15 LT	334087.293	580224.073	734.53
2026	69+83.46	54.06 LT	334084.897	580219.124	734.29
2027	69+80.90	51.19 LT	334082.278	580221.938	734.60
2028	69+80.23	54.05 LT	334081.669	580219.071	734.23
2029	69+75.90	59.04 LT	334077.432	580213.999	734.27
2030	69+78.45	59.05 LT	334079.979	580214.042	734.29
2031	69+72.51	61.98 LT	334074.098	580211.000	734.77
2032	69+83.45	59.06 LT	334084.981	580214.125	734.33

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
2120	69+99.18	5.66 LT	334099.708	580267.811	734.52	FL
2121	69+96.36	5.65 LT	334096.885	580267.766	734.58	FL
2122	69+91.36	5.63 LT	334091.885	580267.688	734.65	FL
2123	69+91.31	12.06 LT	334091.955	580261.264	734.70	FL
2124	69+96.38	12.04 LT	334097.024	580261.375	734.68	FL
2125	69+99.26	12.03 LT	334099.907	580261.439	734.66	FL

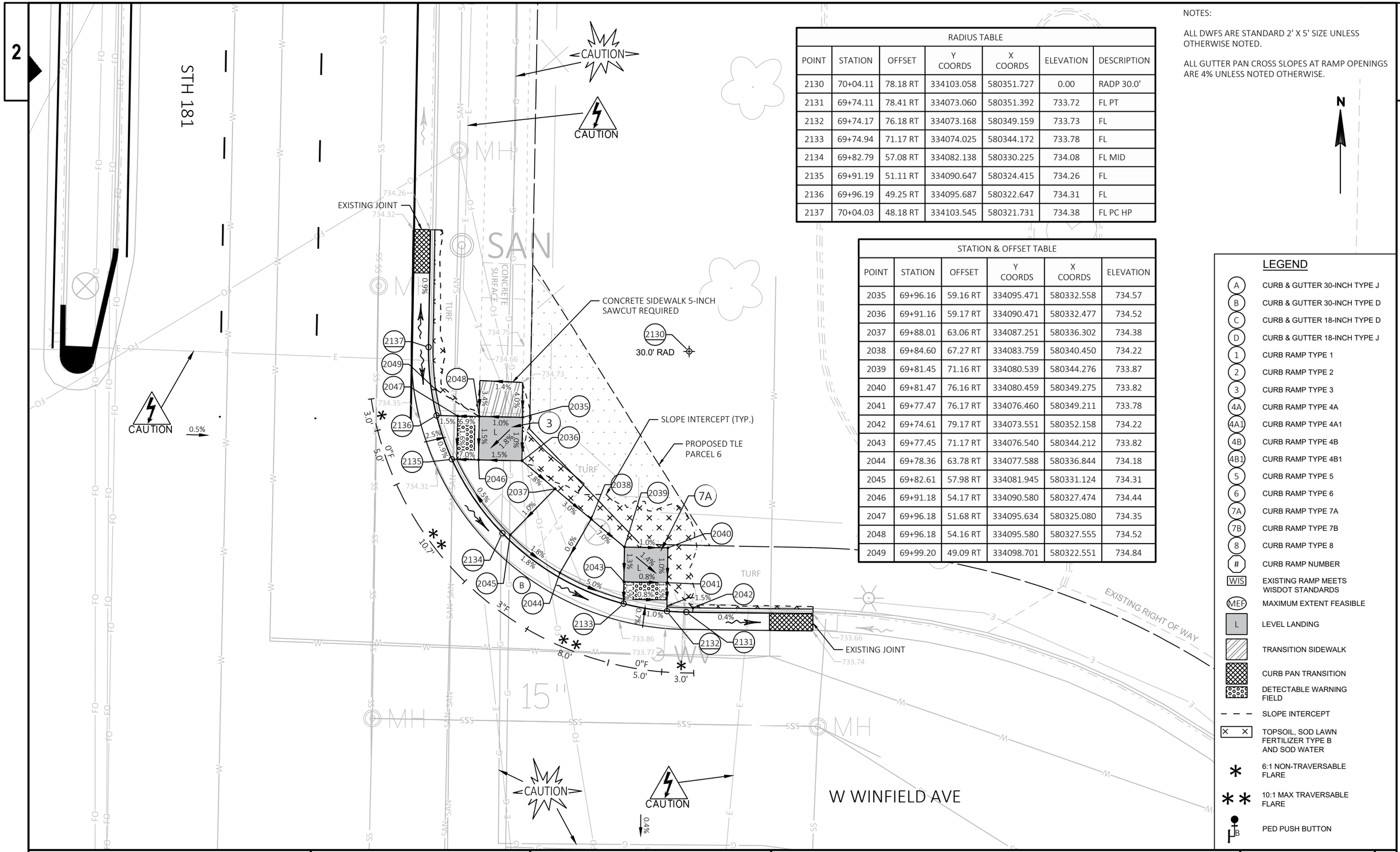


NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W WINFIELD AVE	SHEET 46	E



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
2130	70+04.11	78.18 RT	334103.058	580351.727	0.00	RADP 30.0'
2131	69+74.11	78.41 RT	334073.060	580351.392	733.72	FL PT
2132	69+74.17	76.18 RT	334073.168	580349.159	733.73	FL
2133	69+74.94	71.17 RT	334074.025	580344.172	733.78	FL
2134	69+82.79	57.08 RT	334082.138	580330.225	734.08	FL MID
2135	69+91.19	51.11 RT	334090.647	580324.415	734.26	FL
2136	69+96.19	49.25 RT	334095.687	580322.647	734.31	FL
2137	70+04.03	48.18 RT	334103.545	580321.731	734.38	FL PC HP

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
2035	69+96.16	59.16 RT	334095.471	580332.558	734.57
2036	69+91.16	59.17 RT	334090.471	580332.477	734.52
2037	69+88.01	63.06 RT	334087.251	580336.302	734.38
2038	69+84.60	67.27 RT	334083.759	580340.450	734.22
2039	69+81.45	71.16 RT	334080.539	580344.276	733.87
2040	69+81.47	76.16 RT	334080.459	580349.275	733.82
2041	69+77.47	76.17 RT	334076.460	580349.211	733.78
2042	69+74.61	79.17 RT	334073.551	580352.158	734.22
2043	69+77.45	71.17 RT	334076.540	580344.212	733.82
2044	69+78.36	63.78 RT	334077.588	580336.844	734.18
2045	69+82.61	57.98 RT	334081.945	580331.124	734.31
2046	69+91.18	54.17 RT	334090.580	580327.474	734.44
2047	69+96.18	51.68 RT	334095.634	580325.080	734.35
2048	69+96.18	54.16 RT	334095.580	580327.555	734.52
2049	69+99.20	49.09 RT	334098.701	580322.551	734.84

NOTES:

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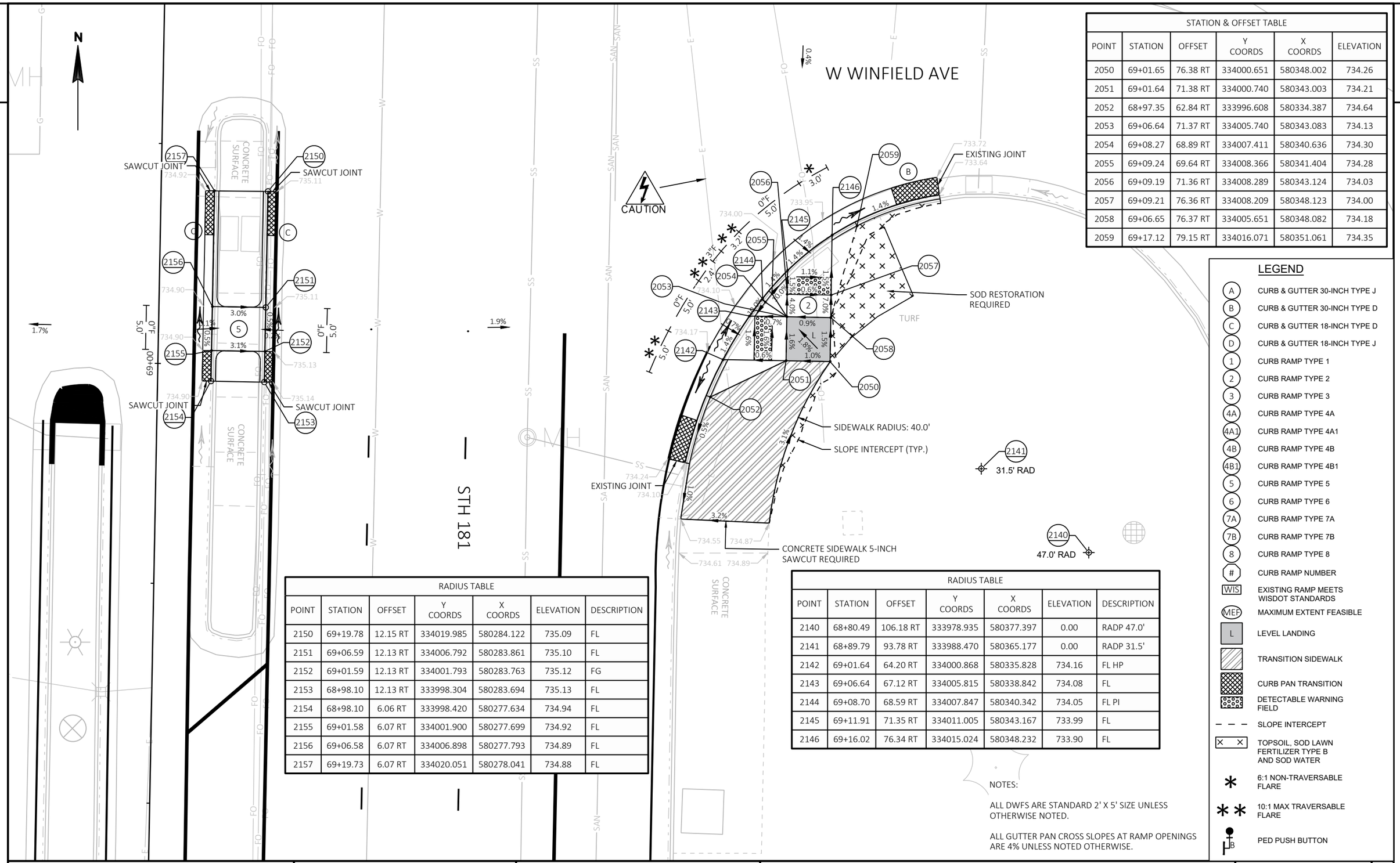
ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

N

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W WINFIELD AVE	SHEET 47	E



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
2050	69+01.65	76.38 RT	334000.651	580348.002	734.26
2051	69+01.64	71.38 RT	334000.740	580343.003	734.21
2052	68+97.35	62.84 RT	333996.608	580334.387	734.64
2053	69+06.64	71.37 RT	334005.740	580343.083	734.13
2054	69+08.27	68.89 RT	334007.411	580340.636	734.30
2055	69+09.24	69.64 RT	334008.366	580341.404	734.28
2056	69+09.19	71.36 RT	334008.289	580343.124	734.03
2057	69+09.21	76.36 RT	334008.209	580348.123	734.00
2058	69+06.65	76.37 RT	334005.651	580348.082	734.18
2059	69+17.12	79.15 RT	334016.071	580351.061	734.35

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
2150	69+19.78	12.15 RT	334019.985	580284.122	735.09	FL
2151	69+06.59	12.13 RT	334006.792	580283.861	735.10	FL
2152	69+01.59	12.13 RT	334001.793	580283.763	735.12	FG
2153	68+98.10	12.13 RT	333998.304	580283.694	735.13	FL
2154	68+98.10	6.06 RT	333998.420	580277.634	734.94	FL
2155	69+01.58	6.07 RT	334001.900	580277.699	734.92	FL
2156	69+06.58	6.07 RT	334006.898	580277.793	734.89	FL
2157	69+19.73	6.07 RT	334020.051	580278.041	734.88	FL

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
2140	68+80.49	106.18 RT	333978.935	580377.397	0.00	RADP 47.0'
2141	68+89.79	93.78 RT	333988.470	580365.177	0.00	RADP 31.5'
2142	69+01.64	64.20 RT	334000.868	580335.828	734.16	FL HP
2143	69+06.64	67.12 RT	334005.815	580338.842	734.08	FL
2144	69+08.70	68.59 RT	334007.847	580340.342	734.05	FL PI
2145	69+11.91	71.35 RT	334011.005	580343.167	733.99	FL
2146	69+16.02	76.34 RT	334015.024	580348.232	733.90	FL

NOTES:

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LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- (WIS) EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- (L) LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W WINFIELD AVE	SHEET 48	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-1.DWG
LAYOUT NAME - 08

PLOT DATE : 4/23/2025 3:25 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1 IN:10 FT

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
3100	72+38.10	72.04 LT	334339.825	580205.919	0.00	RADP 24.0'
3101	72+62.09	72.69 LT	334363.825	580205.712	734.42	FL
3102	72+62.09	72.42 LT	334363.824	580205.988	734.43	FL PT
3103	72+61.70	67.68 LT	334363.340	580210.715	734.48	FL
3104	72+55.24	55.24 LT	334356.647	580223.036	734.63	FL MID HP
3105	72+53.46	53.60 LT	334354.840	580224.641	734.59	FL
3106	72+48.46	50.39 LT	334349.776	580227.758	734.53	FL
3107	72+38.20	48.04 LT	334339.476	580229.916	734.44	FL PC

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
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- (4A1) CURB RAMP TYPE 4A1
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- (#) CURB RAMP NUMBER
- (WIS) EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- (L) LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
3000	72+52.20	72.46 LT	334353.932	580205.763	734.76
3001	72+57.20	72.58 LT	334358.932	580205.737	734.71
3002	72+61.49	79.11 LT	334363.344	580199.291	734.88
3003	72+61.07	72.67 LT	334362.804	580205.718	734.44
3004	72+57.32	67.58 LT	334358.958	580210.737	734.76
3005	72+60.73	65.72 LT	334362.337	580212.660	734.68
3006	72+53.47	59.90 LT	334354.968	580218.341	734.68
3007	72+54.92	55.63 LT	334356.335	580222.642	734.80
3008	72+48.46	54.26 LT	334349.854	580223.883	734.59
3009	72+48.47	56.26 LT	334349.895	580221.884	734.62
3010	72+45.39	58.94 LT	334346.872	580219.149	734.68
3011	72+49.95	63.46 LT	334351.518	580214.721	734.76
3012	72+52.36	65.83 LT	334353.966	580212.389	734.79
3013	72+52.32	67.46 LT	334353.958	580210.763	734.81

NOTES:

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RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
3110	73+72.08	67.02 LT	334473.887	580213.641	0.00	RADP 19.0'
3111	73+70.90	48.05 LT	334472.292	580232.574	734.67	FL PT
3112	73+69.33	48.22 LT	334470.727	580232.377	734.68	FL
3113	73+64.33	49.67 LT	334465.758	580230.815	734.70	FL
3114	73+58.40	53.83 LT	334459.925	580226.528	734.74	FL MID
3115	73+53.09	66.53 LT	334454.887	580213.717	734.82	FL PC
3116	73+53.06	67.44 LT	334454.883	580212.802	734.83	FL
3117	73+52.93	72.44 LT	334454.864	580207.802	734.85	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
3020	73+69.31	58.83 LT	334470.943	580221.760	735.06
3021	73+69.32	53.83 LT	334470.841	580226.759	734.99
3022	73+73.41	48.40 LT	334474.815	580232.285	735.09
3023	73+69.33	50.23 LT	334470.768	580230.366	734.71
3024	73+64.32	53.83 LT	334465.842	580226.658	735.02
3025	73+61.77	51.66 LT	334463.243	580228.773	734.97
3026	73+59.11	53.82 LT	334460.637	580226.552	735.00
3027	73+58.31	54.66 LT	334459.852	580225.694	735.00
3028	73+57.98	67.57 LT	334459.800	580212.782	735.17
3029	73+53.65	65.46 LT	334455.423	580214.799	735.06
3030	73+57.85	72.57 LT	334459.781	580207.782	735.20
3031	73+53.36	75.45 LT	334455.352	580204.800	735.36
3032	73+62.85	72.69 LT	334464.781	580207.762	735.27
3033	73+62.98	67.70 LT	334464.800	580212.762	735.22
3034	73+63.14	61.12 LT	334464.827	580219.338	735.14
3035	73+63.20	58.83 LT	334464.836	580221.636	735.11
3036	73+64.31	58.83 LT	334465.944	580221.659	735.10

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
3120	73+70.36	5.69 LT	334470.829	580274.916	735.41	FL
3121	73+65.36	5.65 LT	334465.829	580274.851	735.39	FL
3122	73+63.32	12.30 LT	334463.937	580268.158	735.35	FL
3123	73+65.21	12.29 LT	334465.826	580268.201	735.35	FL
3124	73+70.21	12.29 LT	334470.826	580268.316	735.38	FL
3125	73+78.14	12.28 LT	334478.755	580268.499	735.42	FL
3126	73+73.81	11.44 RT	334473.905	580292.116	735.36	FL
3127	73+70.74	11.41 RT	334470.836	580292.019	735.29	FL
3128	73+65.73	11.36 RT	334465.836	580291.861	735.31	FL
3129	73+65.63	6.87 RT	334465.834	580287.367	735.20	FL
3130	73+70.63	6.83 RT	334470.834	580287.441	735.18	FL
3131	73+73.52	6.81 RT	334473.718	580287.484	735.16	FL

LEGEND

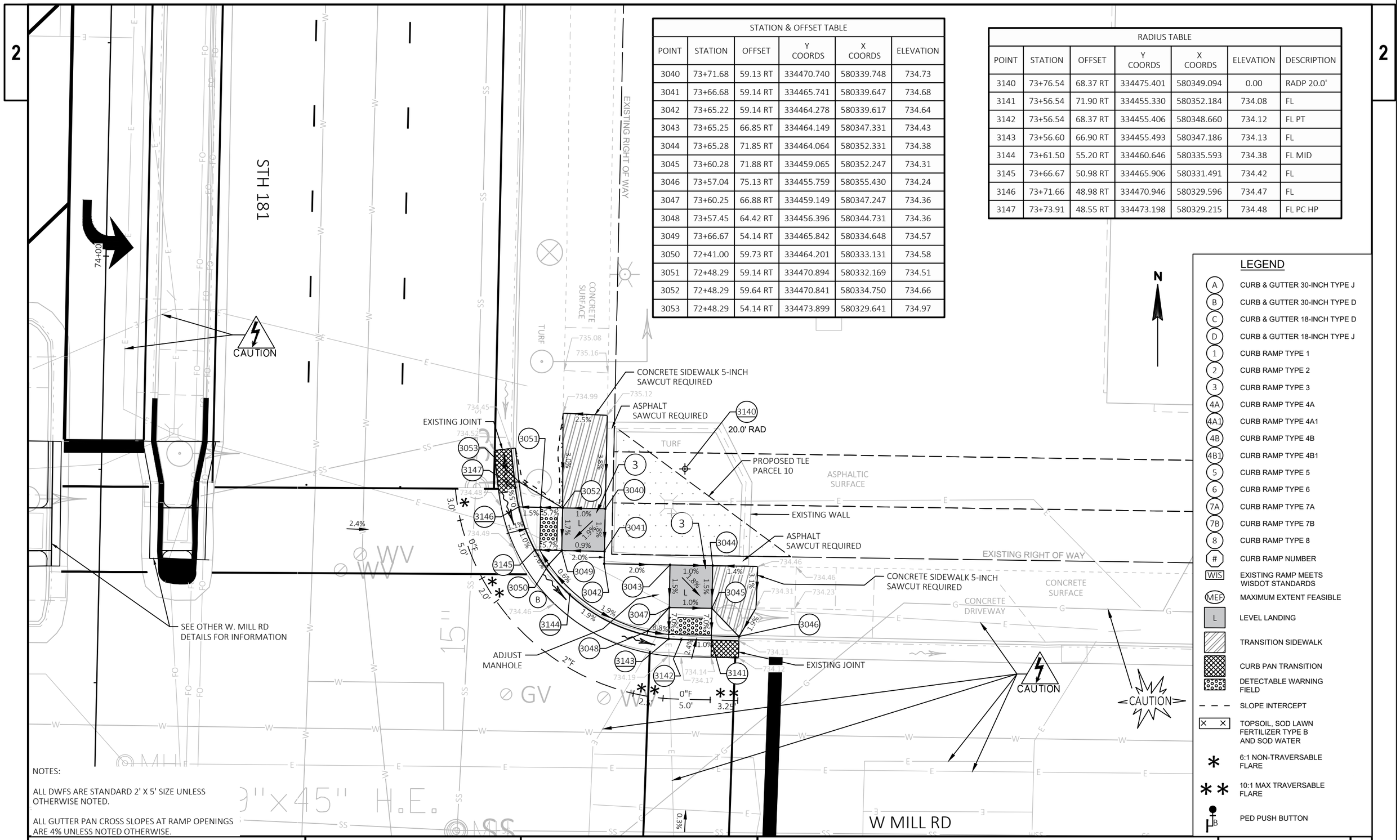
A	CURB & GUTTER 30-INCH TYPE J	4B	CURB RAMP TYPE 4B	MEF	MAXIMUM EXTENT FEASIBLE
B	CURB & GUTTER 30-INCH TYPE D	4B1	CURB RAMP TYPE 4B1	L	LEVEL LANDING
C	CURB & GUTTER 18-INCH TYPE D	5	CURB RAMP TYPE 5		TRANSITION SIDEWALK
D	CURB & GUTTER 18-INCH TYPE J	6	CURB RAMP TYPE 6		CURB PAN TRANSITION
1	CURB RAMP TYPE 1	7A	CURB RAMP TYPE 7A		DETECTABLE WARNING FIELD
2	CURB RAMP TYPE 2	7B	CURB RAMP TYPE 7B		SLOPE INTERCEPT
3	CURB RAMP TYPE 3	8	CURB RAMP TYPE 8		TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
4A	CURB RAMP TYPE 4A	#	CURB RAMP NUMBER	WIS	EXISTING RAMP MEETS WISDOT STANDARDS
4A1	CURB RAMP TYPE 4A1			PB	PED PUSH BUTTON
*	6:1 NON-TRAVERSABLE FLARE	**	10:1 MAX TRAVERSABLE FLARE		

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W MILL RD	SHEET 50 E



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
3040	73+71.68	59.13 RT	334470.740	580339.748	734.73
3041	73+66.68	59.14 RT	334465.741	580339.647	734.68
3042	73+65.22	59.14 RT	334464.278	580339.617	734.64
3043	73+65.25	66.85 RT	334464.149	580347.331	734.43
3044	73+65.28	71.85 RT	334464.064	580352.331	734.38
3045	73+60.28	71.88 RT	334459.065	580352.247	734.31
3046	73+57.04	75.13 RT	334455.759	580355.430	734.24
3047	73+60.25	66.88 RT	334459.149	580347.247	734.36
3048	73+57.45	64.42 RT	334456.396	580344.731	734.36
3049	73+66.67	54.14 RT	334465.842	580334.648	734.57
3050	72+41.00	59.73 RT	334464.201	580333.131	734.58
3051	72+48.29	59.14 RT	334470.894	580332.169	734.51
3052	72+48.29	59.64 RT	334470.841	580334.750	734.66
3053	72+48.29	54.14 RT	334473.899	580329.641	734.97

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
3140	73+76.54	68.37 RT	334475.401	580349.094	0.00	RADP 20.0'
3141	73+56.54	71.90 RT	334455.330	580352.184	734.08	FL
3142	73+56.54	68.37 RT	334455.406	580348.660	734.12	FL PT
3143	73+56.60	66.90 RT	334455.493	580347.186	734.13	FL
3144	73+61.50	55.20 RT	334460.646	580335.593	734.38	FL MID
3145	73+66.67	50.98 RT	334465.906	580331.491	734.42	FL
3146	73+71.66	48.98 RT	334470.946	580329.596	734.47	FL
3147	73+73.91	48.55 RT	334473.198	580329.215	734.48	FL PC HP

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W MILL RD	SHEET 51	E

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
3160	72+53.35	11.97 RT	334353.501	580290.202	734.68	FL
3161	72+48.35	12.05 RT	334348.500	580290.187	734.67	FL
3162	72+45.52	12.10 RT	334345.670	580290.178	734.67	FL
3163	72+45.71	6.10 RT	334345.974	580284.189	734.62	FL
3164	72+48.36	6.08 RT	334348.622	580284.220	734.63	FL
3165	72+53.36	6.05 RT	334353.622	580284.278	734.66	FL

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
3150	72+47.46	67.12 RT	334346.577	580345.231	0.00	RADP 19.0'
3151	72+48.29	48.14 RT	334347.761	580326.266	733.44	FL
3152	72+48.53	48.15 RT	334348.003	580326.284	733.44	FL PT
3153	72+53.29	49.04 RT	334352.744	580327.259	733.48	FL
3154	72+61.24	54.04 RT	334360.600	580332.411	733.57	FL MID
3155	72+66.46	66.90 RT	334365.576	580345.362	733.69	FL
3156	72+66.46	67.04 RT	334365.575	580345.505	733.69	FL PC
3157	72+66.48	71.90 RT	334365.504	580350.362	733.70	FL

W MILL RD

CAUTION

ADJUST MANHOLE

EXISTING JOINT

CONCRETE DRIVEWAY

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

CONCRETE SURFACE

EXISTING RIGHT OF WAY

PROPOSED PEDESTRIAN CURB (4" F)

SLOPE INTERCEPT (TYP.)

PROPOSED TLE PARCEL 8

TURF

ASPHALTIC SURFACE

19.0' RAD

SAWCUT JOINT

EXISTING JOINT

STH 181

EXISTING BUS STOP

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

EXISTING RIGHT OF WAY

CONCRETE SURFACE

CAUTION

LEGEND

A	CURB & GUTTER 30-INCH TYPE J	4B	CURB RAMP TYPE 4B	MEF	MAXIMUM EXTENT FEASIBLE
B	CURB & GUTTER 30-INCH TYPE D	4B1	CURB RAMP TYPE 4B1	L	LEVEL LANDING
C	CURB & GUTTER 18-INCH TYPE D	5	CURB RAMP TYPE 5		TRANSITION SIDEWALK
D	CURB & GUTTER 18-INCH TYPE J	6	CURB RAMP TYPE 6		CURB PAN TRANSITION
1	CURB RAMP TYPE 1	7A	CURB RAMP TYPE 7A		DETECTABLE WARNING FIELD
2	CURB RAMP TYPE 2	7B	CURB RAMP TYPE 7B		SLOPE INTERCEPT
3	CURB RAMP TYPE 3	8	CURB RAMP TYPE 8	X X	TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
4A	CURB RAMP TYPE 4A	#	CURB RAMP NUMBER	PB	PED PUSH BUTTON
4A1	CURB RAMP TYPE 4A1	WIS	EXISTING RAMP MEETS WISDOT STANDARDS		
*	6:1 NON-TRAVERSABLE FLARE	**	10:1 MAX TRAVERSABLE FLARE		

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
3055	72+41.00	59.73 RT	334340.260	580337.715	733.98
3056	72+48.29	59.14 RT	334347.555	580337.264	733.86
3057	72+48.29	59.64 RT	334347.549	580337.764	734.19
3058	72+48.29	54.14 RT	334347.649	580332.264	733.78
3059	72+44.30	48.41 RT	334343.766	580326.467	733.85
3060	72+48.29	49.56 RT	334347.735	580327.691	733.46
3061	72+53.29	54.14 RT	334352.648	580332.358	733.84
3062	72+56.22	50.83 RT	334355.644	580329.105	733.84
3063	72+53.29	59.14 RT	334352.554	580337.357	733.92
3064	72+53.29	59.64 RT	334352.545	580337.857	734.25
3065	72+60.64	54.14 RT	334359.996	580332.496	733.89

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
3066	72+62.40	56.22 RT	334361.714	580334.609	733.91
3067	72+57.41	59.14 RT	334356.673	580337.435	733.96
3068	72+56.91	59.64 RT	334356.166	580337.925	734.29
3069	72+57.44	66.94 RT	334356.560	580345.232	734.03
3070	72+56.94	66.94 RT	334356.060	580345.225	734.36
3071	72+62.44	66.92 RT	334361.559	580345.304	733.96
3072	72+65.72	64.21 RT	334364.889	580342.661	733.99
3073	72+62.46	71.92 RT	334361.487	580350.304	733.98
3074	72+65.99	73.90 RT	334364.975	580352.355	733.98
3075	72+57.46	71.94 RT	334356.488	580350.231	734.06
3076	72+56.96	71.93 RT	334355.988	580350.219	734.39

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W MILL RD	SHEET 52	E

LEGEND

A	CURB & GUTTER 30-INCH TYPE J	4B	CURB RAMP TYPE 4B
B	CURB & GUTTER 30-INCH TYPE D	4B1	CURB RAMP TYPE 4B1
C	CURB & GUTTER 18-INCH TYPE D	5	CURB RAMP TYPE 5
D	CURB & GUTTER 18-INCH TYPE J	6	CURB RAMP TYPE 6
1	CURB RAMP TYPE 1	7A	CURB RAMP TYPE 7A
2	CURB RAMP TYPE 2	7B	CURB RAMP TYPE 7B
3	CURB RAMP TYPE 3	8	CURB RAMP TYPE 8
4A	CURB RAMP TYPE 4A	#	CURB RAMP NUMBER
4A1	CURB RAMP TYPE 4A1	WIS	EXISTING RAMP MEETS WISDOT STANDARDS
*	6:1 NON-TRAVERSABLE FLARE	**	10:1 MAX TRAVERSABLE FLARE

MEF — MAXIMUM EXTENT FEASIBLE

L — LEVEL LANDING

TRANSITION SIDEWALK

CURB PAN TRANSITION

DETECTABLE WARNING FIELD

SLOPE INTERCEPT

TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER

PED PUSH BUTTON

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
4100	78+72.27	66.80 LT	334973.955	580224.750	0.00	RADP 19.0'
4101	78+91.21	65.33 LT	334992.861	580226.632	737.38	FL PT
4102	78+89.38	58.54 LT	334990.881	580233.381	737.33	FL
4103	78+85.92	53.58 LT	334987.313	580238.262	737.28	FL
4104	78+85.16	52.83 LT	334986.533	580238.990	737.27	FL MID
4105	78+74.57	47.94 LT	334975.845	580243.656	737.14	FL
4106	78+72.22	47.80 LT	334973.489	580243.744	737.12	FL PC
4107	78+69.57	47.80 LT	334970.842	580243.680	737.11	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
4000	78+79.22	58.66 LT	334980.728	580233.035	737.44
4001	78+84.22	58.60 LT	334985.727	580233.205	737.39
4002	78+89.94	61.33 LT	334991.504	580230.605	738.16
4003	78+82.21	53.62 LT	334983.603	580238.136	737.33
4004	78+79.28	53.66 LT	334980.675	580238.036	737.37
4005	78+84.17	52.63 LT	334985.542	580239.172	737.43
4006	78+74.64	53.72 LT	334976.042	580237.878	737.48
4007	78+76.40	48.76 LT	334977.689	580242.869	737.33
4008	78+69.58	48.30 LT	334970.859	580243.180	737.12
4009	78+69.64	53.78 LT	334971.045	580237.708	737.46
4010	78+66.58	48.31 LT	334967.860	580243.106	737.60
4011	78+69.70	58.78 LT	334971.215	580232.711	737.51
4012	78+74.70	58.72 LT	334976.212	580232.881	737.56

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

W CLOVERNOOK ST

STH 181

EXISTING JOINT

CAUTION

LANDING 'XR': 6.6'
DWF AREA: 12.8 SF
LONG CHORD: 6.1'
DWF RADIUS: 18.5'

SEE OTHER W. CLOVERNOOK ST DETAILS FOR INFORMATION

CONCRETE DRIVEWAY

CONCRETE SURFACE

TURF

EXISTING RIGHT OF WAY

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

SLOPE INTERCEPT (TYP.)

19.0' RAD

PROPOSED TLE PARCEL 11

MEF 7.4%

79+00

N

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
4110	79+36.14	65.34 LT	335037.781	580227.601	0.00	RADP 17.0'
4111	79+23.61	53.86 LT	335025.000	580238.805	737.54	FL
4112	79+20.41	58.90 LT	335021.915	580233.697	737.52	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
4015	79+36.13	58.70 LT	335037.622	580234.232	738.11
4016	79+36.07	53.70 LT	335037.452	580239.229	738.03
4017	79+31.07	53.77 LT	335032.455	580239.059	738.00
4018	79+26.58	51.90 LT	335027.924	580240.829	738.05
4019	79+24.37	58.85 LT	335025.865	580233.832	737.58
4020	79+31.13	58.76 LT	335032.625	580234.062	738.04
4021	79+20.04	61.74 LT	335021.606	580230.844	738.02

EXISTING RIGHT OF WAY

CONCRETE SURFACE

STH 181

EXISTING BUS STOP

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

MEF

SLOPE INTERCEPT (TYP.)

4110

17.0' RAD

4015

4016

4017

4020

PROPOSED TLE PARCEL 12

4B1

4019

4021

4018

4111

4112

B

EXISTING JOINT

TURF

15"

21"

CAUTION

W CLOVERNOOK ST

79+00

SEE OTHER W. CLOVERNOOK ST DETAILS FOR INFORMATION

N

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

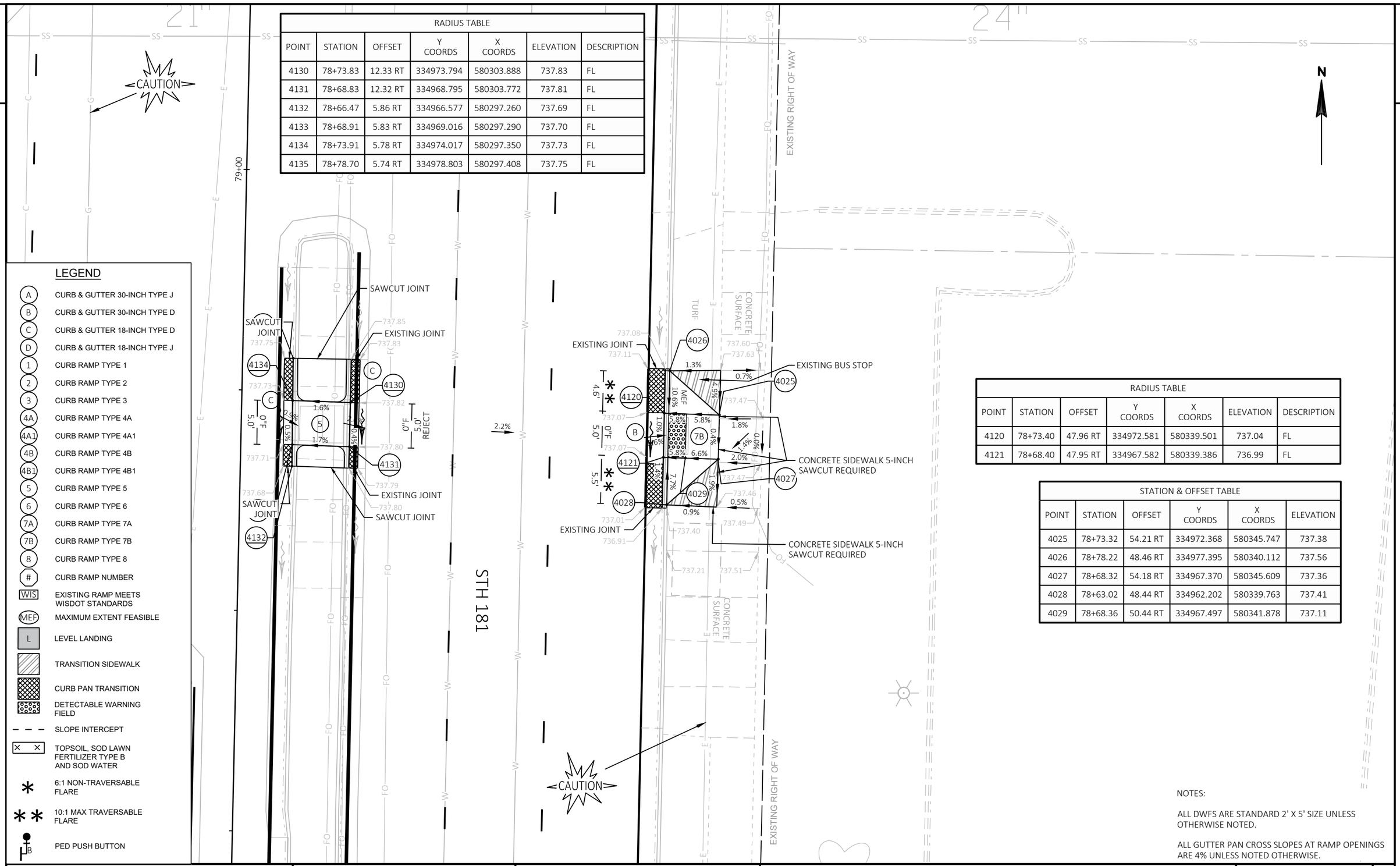
ELEVATION	DESCRIPTION

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W CLOVERNOOK ST	SHEET 54	E

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
4130	78+73.83	12.33 RT	334973.794	580303.888	737.83	FL
4131	78+68.83	12.32 RT	334968.795	580303.772	737.81	FL
4132	78+66.47	5.86 RT	334966.577	580297.260	737.69	FL
4133	78+68.91	5.83 RT	334969.016	580297.290	737.70	FL
4134	78+73.91	5.78 RT	334974.017	580297.350	737.73	FL
4135	78+78.70	5.74 RT	334978.803	580297.408	737.75	FL

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- WIS EXISTING RAMP MEETS WISDOT STANDARDS
- MEF MAXIMUM EXTENT FEASIBLE
- L LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
4120	78+73.40	47.96 RT	334972.581	580339.501	737.04	FL
4121	78+68.40	47.95 RT	334967.582	580339.386	736.99	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
4025	78+73.32	54.21 RT	334972.368	580345.747	737.38
4026	78+78.22	48.46 RT	334977.395	580340.112	737.56
4027	78+68.32	54.18 RT	334967.370	580345.609	737.36
4028	78+63.02	48.44 RT	334962.202	580339.763	737.41
4029	78+68.36	50.44 RT	334967.497	580341.878	737.11

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W CLOVERNOOK ST	SHEET 55	E

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
5100	86+00.40	68.91 LT	335701.957	580238.487	0.00	RADP 21.0'
5101	86+21.39	69.38 LT	335722.957	580238.483	740.23	FL PT
5102	86+21.28	66.65 LT	335722.781	580241.205	740.25	FL HP
5103	86+20.09	61.62 LT	335721.487	580246.205	740.17	FL
5104	86+15.42	54.23 LT	335716.652	580253.489	740.10	FL MID
5105	86+04.79	48.38 LT	335705.900	580259.113	739.95	FL
5106	86+00.42	47.91 LT	335701.517	580259.482	739.91	FL PC
5107	85+99.79	47.91 LT	335700.891	580259.469	739.90	FL

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- [× ×] TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
5000	86+10.04	66.40 LT	335711.542	580241.207	740.59
5001	86+15.04	66.51 LT	335716.542	580241.206	740.54
5002	86+20.89	69.63 LT	335722.457	580238.213	740.78
5003	86+19.45	66.61 LT	335720.949	580241.205	740.27
5004	86+15.15	61.51 LT	335716.544	580246.207	740.44
5005	86+18.64	59.55 LT	335719.988	580248.241	740.40
5006	86+15.21	58.84 LT	335716.542	580248.884	740.40
5007	86+15.29	54.83 LT	335716.540	580252.895	740.33
5008	86+14.17	53.73 LT	335715.395	580253.969	740.33
5009	86+10.17	53.73 LT	335711.396	580253.883	740.36
5010	86+04.79	53.72 LT	335706.012	580253.768	740.30
5011	86+08.13	49.93 LT	335709.270	580257.638	740.31
5012	85+99.79	48.89 LT	335700.912	580258.497	739.91
5013	85+99.79	53.72 LT	335701.013	580253.664	740.25
5014	85+96.79	48.41 LT	335697.903	580258.906	740.47
5015	85+99.78	58.72 LT	335701.118	580248.665	740.30
5016	86+04.78	58.72 LT	335706.117	580248.769	740.35
5017	86+10.21	58.73 LT	335711.544	580248.883	740.46
5018	86+10.15	61.40 LT	335711.543	580246.207	740.52

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

W ACACIA ST

CAUTION

EXISTING JOINT

CONCRETE SURFACE

EXISTING RIGHT OF WAY

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

SLOPE INTERCEPT (TYP.)

21.0' RAD

TURF

PROPOSED TLE PARCEL 13

SLOPE INTERCEPT (TYP.)

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

STH 181

N

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W ACACIA ST	SHEET 56	E

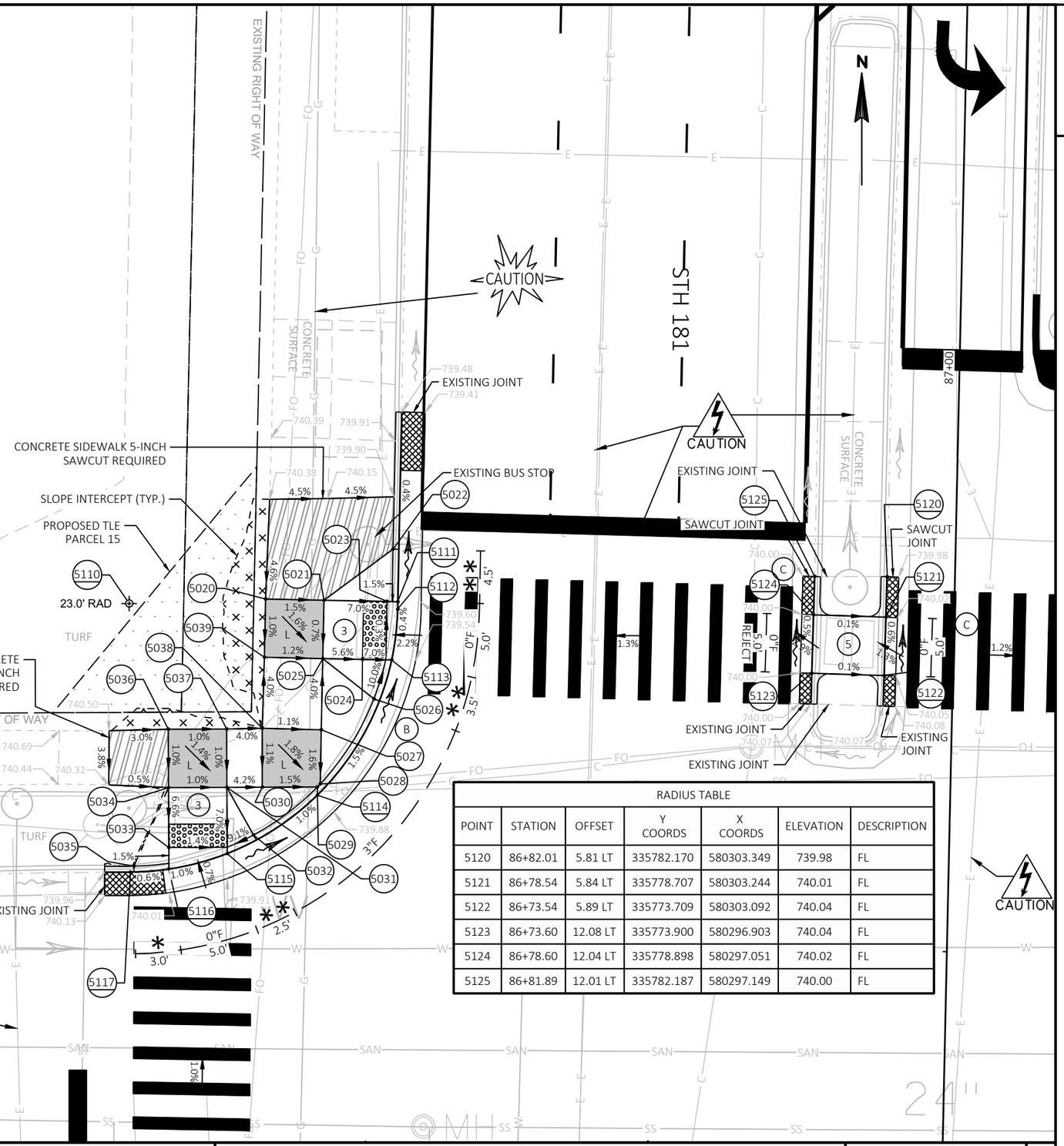
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RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
5110	86+78.28	70.66 LT	335779.862	580238.434	0.00	RADP 23.0'
5111	86+78.95	47.66 LT	335780.023	580261.442	739.52	FL
5112	86+78.29	47.66 LT	335779.364	580261.428	739.52	FL PT
5113	86+73.95	48.08 LT	335775.033	580260.921	739.54	FL
5114	86+62.23	54.19 LT	335763.458	580254.555	739.80	FL MID
5115	86+57.06	61.81 LT	335758.448	580246.826	739.88	FL
5116	86+55.62	66.77 LT	335757.114	580241.832	739.93	FL
5117	86+55.29	70.06 LT	335756.862	580238.532	739.95	FL PC

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
5020	86+78.93	58.99 LT	335780.258	580250.119	739.99
5021	86+78.94	53.99 LT	335780.155	580255.118	739.91
5022	86+83.44	48.17 LT	335784.530	580261.035	739.96
5023	86+78.95	48.59 LT	335780.043	580260.515	739.53
5024	86+73.94	50.59 LT	335775.085	580258.411	739.69
5025	86+73.94	53.98 LT	335775.156	580255.014	739.88
5026	86+70.58	49.52 LT	335771.697	580259.400	739.90
5027	86+67.83	53.98 LT	335769.051	580254.887	740.12
5028	86+63.19	53.97 LT	335764.412	580254.791	740.05
5029	86+62.93	54.21 LT	335764.156	580254.545	740.05
5030	86+62.81	58.92 LT	335764.137	580249.836	740.12
5031	86+62.73	61.95 LT	335764.125	580246.802	740.25
5032	86+58.70	59.58 LT	335760.043	580249.086	740.12
5033	86+57.46	66.82 LT	335758.963	580241.824	739.96
5034	86+62.60	66.95 LT	335764.104	580241.802	740.30
5035	86+55.80	69.77 LT	335757.366	580238.835	740.29
5036	86+67.60	67.08 LT	335769.104	580241.781	740.35
5037	86+67.73	62.08 LT	335769.125	580246.781	740.30
5038	86+67.86	59.04 LT	335769.188	580249.823	740.18
5039	86+73.93	58.98 LT	335775.259	580250.016	739.94

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) ~~CURB & GUTTER 18-INCH TYPE J~~
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- WIS EXISTING RAMP MEETS WISDOT STANDARDS
- MEF MAXIMUM EXTENT FEASIBLE
- L LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON



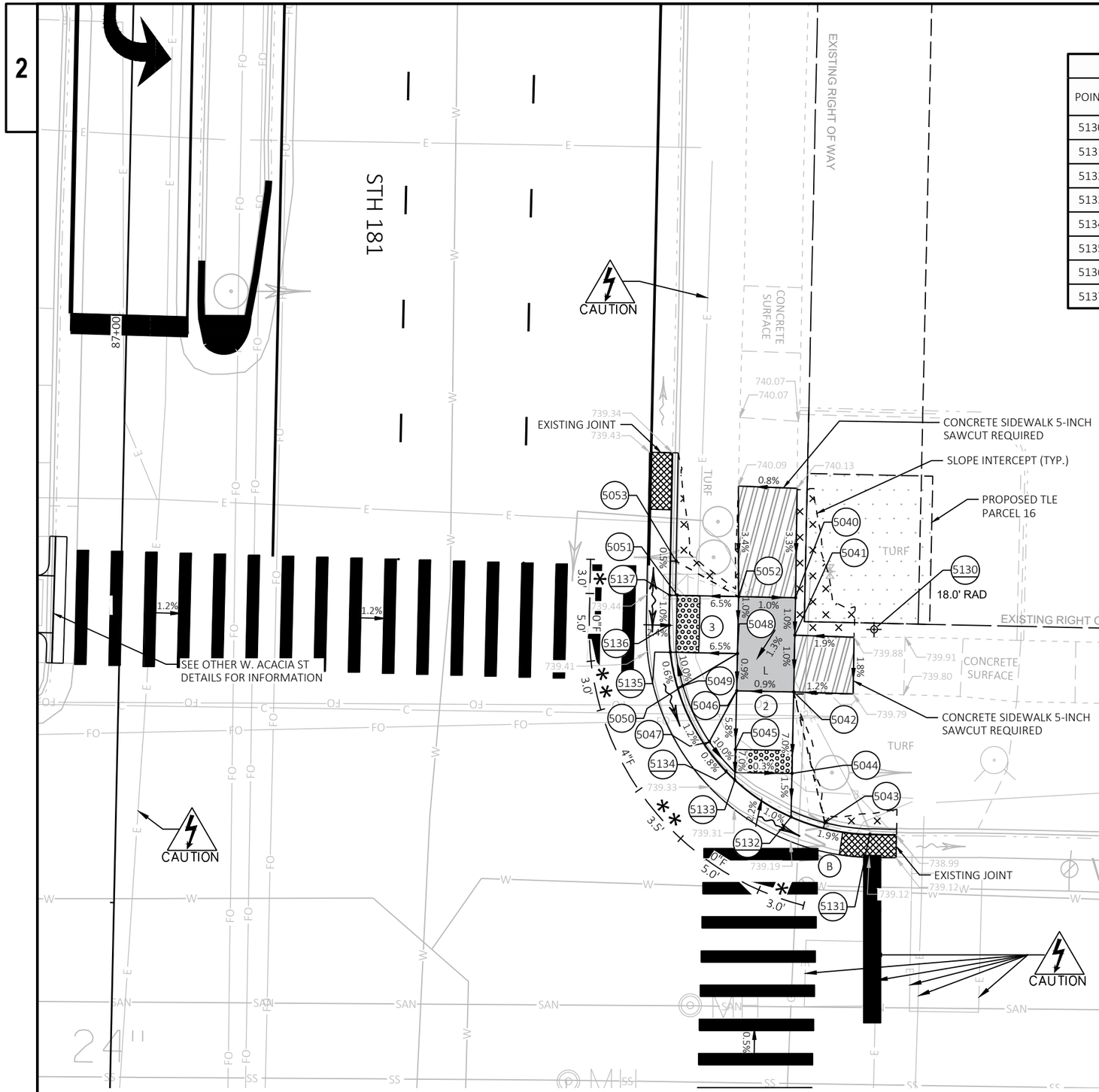
RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
5120	86+82.01	5.81 LT	335782.170	580303.349	739.98	FL
5121	86+78.54	5.84 LT	335778.707	580303.244	740.01	FL
5122	86+73.54	5.89 LT	335773.709	580303.092	740.04	FL
5123	86+73.60	12.08 LT	335773.900	580296.903	740.04	FL
5124	86+78.60	12.04 LT	335778.898	580297.051	740.02	FL
5125	86+81.89	12.01 LT	335782.187	580297.149	740.00	FL

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W ACACIA ST	SHEET 57	E



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
5130	86+75.42	66.15 RT	335774.016	580375.148	0.00	RADP 18.0'
5131	86+57.42	66.16 RT	335756.020	580374.765	739.03	FL PT
5132	86+58.80	59.22 RT	335757.557	580367.861	739.17	FL
5133	86+61.94	54.21 RT	335760.801	580362.926	739.23	FL
5134	86+62.68	53.43 RT	335761.556	580362.157	739.24	FL MID
5135	86+73.03	48.31 RT	335772.015	580357.259	739.35	FL
5136	86+75.39	48.15 RT	335774.383	580357.151	739.37	FL PC
5137	86+78.03	48.14 RT	335777.018	580357.205	739.40	FL HP

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
5040	86+78.04	59.19 RT	335776.792	580368.253	739.81
5041	86+74.77	59.20 RT	335773.518	580368.187	739.78
5042	86+69.77	59.20 RT	335768.519	580368.084	739.73
5043	86+58.37	62.18 RT	335757.060	580370.816	739.45
5044	86+62.62	59.21 RT	335761.375	580367.939	739.23
5045	86+64.61	54.21 RT	335763.476	580362.980	739.38
5046	86+69.76	54.20 RT	335768.621	580363.086	739.68
5047	86+65.24	51.91 RT	335764.152	580360.692	739.59
5048	86+73.03	54.20 RT	335771.895	580363.152	739.71
5049	86+70.10	49.47 RT	335769.066	580358.362	739.66
5050	86+70.10	49.47 RT	335769.066	580358.362	739.66
5051	86+78.03	48.80 RT	335777.004	580357.866	739.41
5052	86+78.03	54.19 RT	335776.894	580363.254	739.76
5053	86+81.03	48.64 RT	335780.007	580357.766	739.49

LEGEND

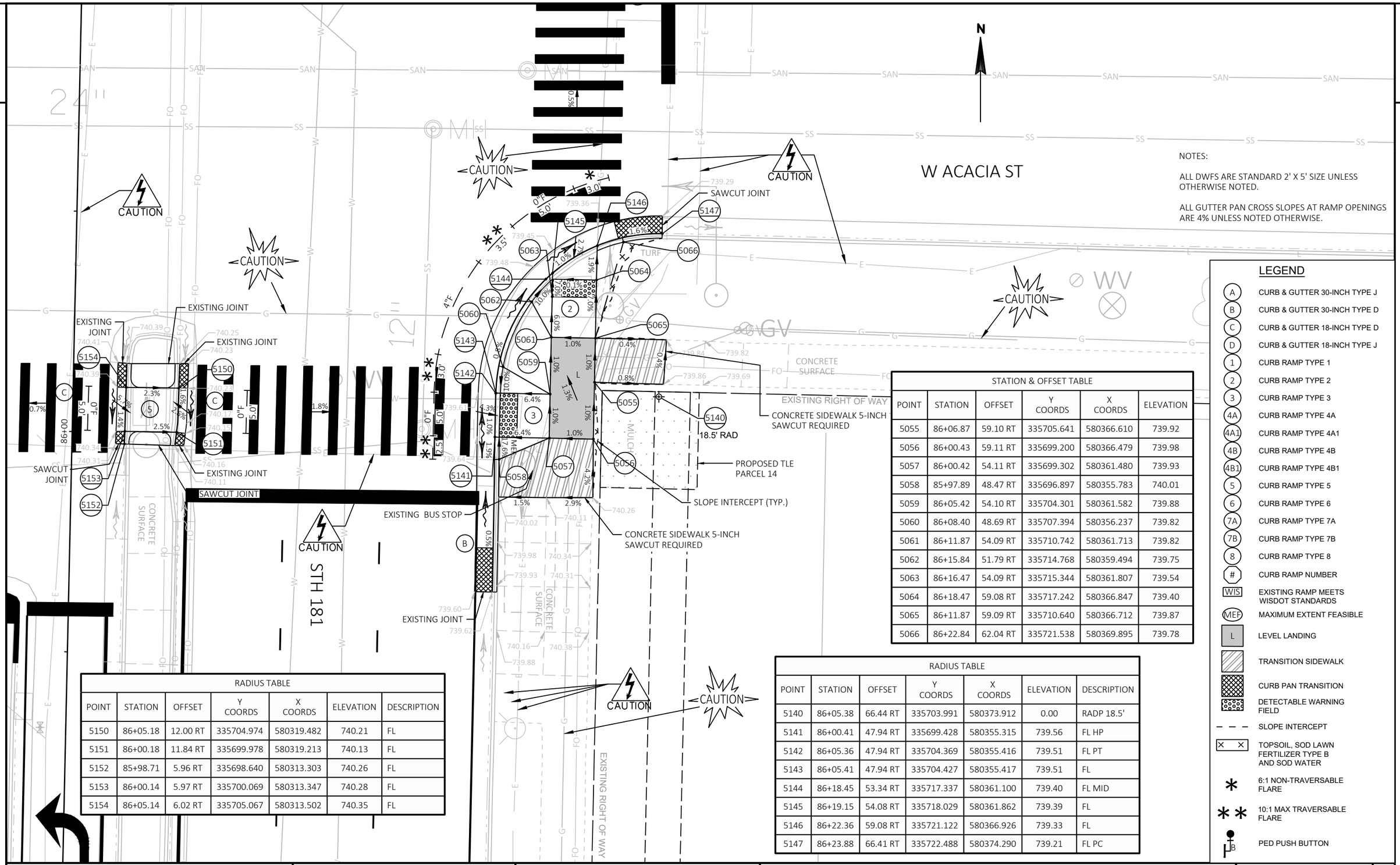
- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- (WIS) EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- (L) LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- 6:1 NON-TRAVERSABLE FLARE
- 10:1 MAX TRAVERSABLE FLARE
- (B) PED PUSH BUTTON

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W ACACIA ST	SHEET 58	E



NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- 6:1 NON-TRAVERSABLE FLARE
- 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
5055	86+06.87	59.10 RT	335705.641	580366.610	739.92
5056	86+00.43	59.11 RT	335699.200	580366.479	739.98
5057	86+00.42	54.11 RT	335699.302	580361.480	739.93
5058	85+97.89	48.47 RT	335696.897	580355.783	740.01
5059	86+05.42	54.10 RT	335704.301	580361.582	739.88
5060	86+08.40	48.69 RT	335707.394	580356.237	739.82
5061	86+11.87	54.09 RT	335710.742	580361.713	739.82
5062	86+15.84	51.79 RT	335714.768	580359.494	739.75
5063	86+16.47	54.09 RT	335715.344	580361.807	739.54
5064	86+18.47	59.08 RT	335717.242	580366.847	739.40
5065	86+11.87	59.09 RT	335710.640	580366.712	739.87
5066	86+22.84	62.04 RT	335721.538	580369.895	739.78

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
5140	86+05.38	66.44 RT	335703.991	580373.912	0.00	RADP 18.5'
5141	86+00.41	47.94 RT	335699.428	580355.315	739.56	FL HP
5142	86+05.36	47.94 RT	335704.369	580355.416	739.51	FL PT
5143	86+05.41	47.94 RT	335704.427	580355.417	739.51	FL
5144	86+18.45	53.34 RT	335717.337	580361.100	739.40	FL MID
5145	86+19.15	54.08 RT	335718.029	580361.862	739.39	FL
5146	86+22.36	59.08 RT	335721.122	580366.926	739.33	FL
5147	86+23.88	66.41 RT	335722.488	580374.290	739.21	FL PC

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
5150	86+05.18	12.00 RT	335704.974	580319.482	740.21	FL
5151	86+00.18	11.84 RT	335699.978	580319.213	740.13	FL
5152	85+98.71	5.96 RT	335698.640	580313.303	740.26	FL
5153	86+00.14	5.97 RT	335700.069	580313.347	740.28	FL
5154	86+05.14	6.02 RT	335705.067	580313.502	740.35	FL

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W ACACIA ST	SHEET 59	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-1.DWG
LAYOUT NAME - 19
PLOT DATE : 4/23/2025 3:28 PM
PLOT BY : NICHOLAS TRAUB
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
6100	99+20.72	70.66 LT	337022.007	580265.488	0.00	RADP 23.0'
6101	99+40.42	58.78 LT	337041.442	580277.789	734.83	FL
6102	99+37.17	54.58 LT	337038.103	580281.918	734.76	FL MID
6103	99+36.34	53.77 LT	337037.250	580282.712	734.75	FL
6104	99+26.53	48.40 LT	337027.330	580287.864	734.61	FL
6105	99+21.53	47.67 LT	337022.317	580288.486	734.55	FL
6106	99+20.87	47.66 LT	337021.656	580288.486	734.54	FL PT

W GREEN TREE RD

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- WIS EXISTING RAMP MEETS WISDOT STANDARDS
- MEF MAXIMUM EXTENT FEASIBLE
- L LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
6000	99+21.50	58.66 LT	337022.521	580277.500	735.01
6001	99+24.63	58.66 LT	337025.654	580277.572	734.96
6002	99+29.63	58.75 LT	337030.654	580277.589	734.89
6003	99+41.34	61.65 LT	337042.423	580274.947	735.16
6004	99+35.57	58.77 LT	337036.594	580277.699	734.86
6005	99+33.59	53.76 LT	337034.503	580282.661	734.77
6006	99+29.66	53.75 LT	337030.570	580282.588	734.82
6007	99+34.51	52.88 LT	337035.403	580283.566	734.89
6008	99+26.52	53.74 LT	337027.428	580282.530	734.87
6009	99+28.16	49.42 LT	337028.974	580286.883	734.80
6010	99+26.52	50.92 LT	337027.376	580285.346	734.79
6011	99+21.53	48.90 LT	337022.340	580287.255	734.57
6012	99+21.52	53.72 LT	337022.429	580282.437	734.94
6013	99+18.53	48.15 LT	337019.326	580287.946	735.04

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
6150	99+28.62	12.55 RT	337028.086	580348.848	734.52	FL
6151	99+27.30	12.54 RT	337026.768	580348.815	734.52	FL
6152	99+22.30	12.53 RT	337021.769	580348.689	734.50	FL
6153	99+21.14	12.52 RT	337020.616	580348.660	734.50	FL
6154	99+20.66	5.96 RT	337020.276	580342.087	734.52	FL
6155	99+22.22	5.95 RT	337021.831	580342.111	734.53	FL
6156	99+27.22	5.92 RT	337026.831	580342.189	734.55	FL
6157	99+28.93	5.91 RT	337028.545	580342.215	734.55	FL

2

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GREEN TREE RD	SHEET 60	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-2.DWG
LAYOUT NAME - 20
PLOT DATE : 4/23/2025 3:31 PM PLOT BY : NICHOLAS TRAUB PLOT NAME : PLOT SCALE : 1:10 FT
WISDOT/CADDS SHEET 42

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
6110	100+15.81	71.73 LT	337117.085	580266.487	0.00	RADP 24.0'
6111	100+25.73	47.70 LT	337126.485	580290.727	734.73	FL
6112	100+20.73	47.71 LT	337121.486	580290.604	734.78	FL
6113	100+15.73	47.73 LT	337116.490	580290.480	734.82	FL PC
6114	99+99.92	53.74 LT	337100.806	580284.122	734.98	FL
6115	99+99.04	54.55 LT	337099.952	580283.293	735.00	FL MID
6116	99+95.67	58.68 LT	337096.664	580279.096	735.05	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
6015	100+25.77	58.89 LT	337126.762	580279.539	735.26
6016	100+25.75	53.89 LT	337126.638	580284.537	735.17
6017	100+29.35	48.18 LT	337130.112	580290.317	735.17
6018	100+20.75	53.90 LT	337121.640	580284.414	735.21
6019	100+19.23	48.22 LT	337119.999	580290.067	734.96
6020	100+12.29	53.91 LT	337113.185	580284.219	735.17
6021	100+07.03	53.85 LT	337107.924	580284.167	735.15
6022	100+01.76	52.88 LT	337102.636	580285.020	735.14
6023	100+02.67	53.78 LT	337103.560	580284.140	735.04
6024	100+00.59	58.75 LT	337101.590	580279.127	735.10
6025	100+06.95	58.85 LT	337107.950	580279.168	735.22
6026	99+94.65	61.51 LT	337095.706	580276.244	735.57
6027	100+12.21	58.91 LT	337113.211	580279.219	735.25

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
6140	100+27.33	5.29 LT	337127.168	580333.161	735.09	FL
6141	100+25.63	5.40 LT	337125.471	580333.008	735.09	FL
6142	100+20.63	5.41 LT	337120.472	580332.889	735.08	FL
6143	100+19.10	5.42 LT	337118.937	580332.853	735.07	FL
6144	100+19.04	12.01 LT	337119.026	580326.264	735.21	FL
6145	100+20.65	12.01 LT	337120.630	580326.289	735.22	FL
6146	100+25.65	12.04 LT	337125.630	580326.370	735.26	FL
6147	100+27.91	12.06 LT	337127.891	580326.406	735.28	FL

NOTES:

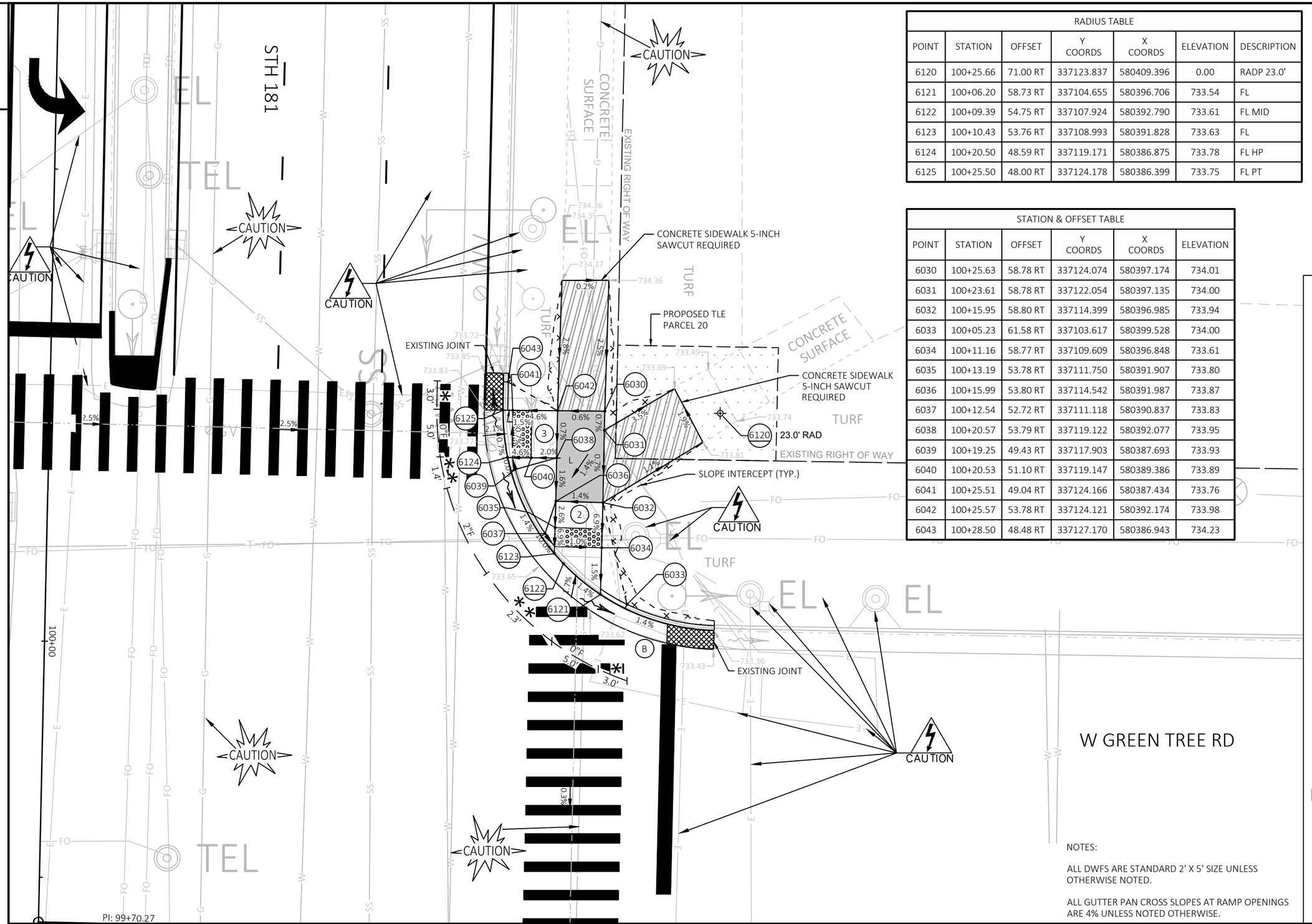
ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PB — PED PUSH BUTTON

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GREEN TREE RD	SHEET 61	E



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
6120	100+25.66	71.00 RT	337123.837	580409.396	0.00	RADP 23.0'
6121	100+06.20	58.73 RT	337104.655	580396.706	733.54	FL
6122	100+09.39	54.75 RT	337107.924	580392.790	733.61	FL MID
6123	100+10.43	53.76 RT	337108.993	580391.828	733.63	FL
6124	100+20.50	48.59 RT	337119.171	580386.875	733.78	FL HP
6125	100+25.50	48.00 RT	337124.178	580386.399	733.75	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
6030	100+25.63	58.78 RT	337124.074	580397.174	734.01
6031	100+23.61	58.78 RT	337122.054	580397.135	734.00
6032	100+15.95	58.80 RT	337114.399	580396.985	733.94
6033	100+05.23	61.58 RT	337103.617	580399.528	734.00
6034	100+11.16	58.77 RT	337109.609	580396.848	733.61
6035	100+13.19	53.78 RT	337111.750	580391.907	733.80
6036	100+15.99	53.80 RT	337114.542	580391.987	733.87
6037	100+12.54	52.72 RT	337111.118	580390.837	733.83
6038	100+20.57	53.79 RT	337119.122	580392.077	733.95
6039	100+19.25	49.43 RT	337117.903	580387.693	733.93
6040	100+20.53	51.10 RT	337119.147	580389.386	733.89
6041	100+25.51	49.04 RT	337124.166	580387.434	733.76
6042	100+25.57	53.78 RT	337124.121	580392.174	733.98
6043	100+28.50	48.48 RT	337127.170	580386.943	734.23

LEGEND

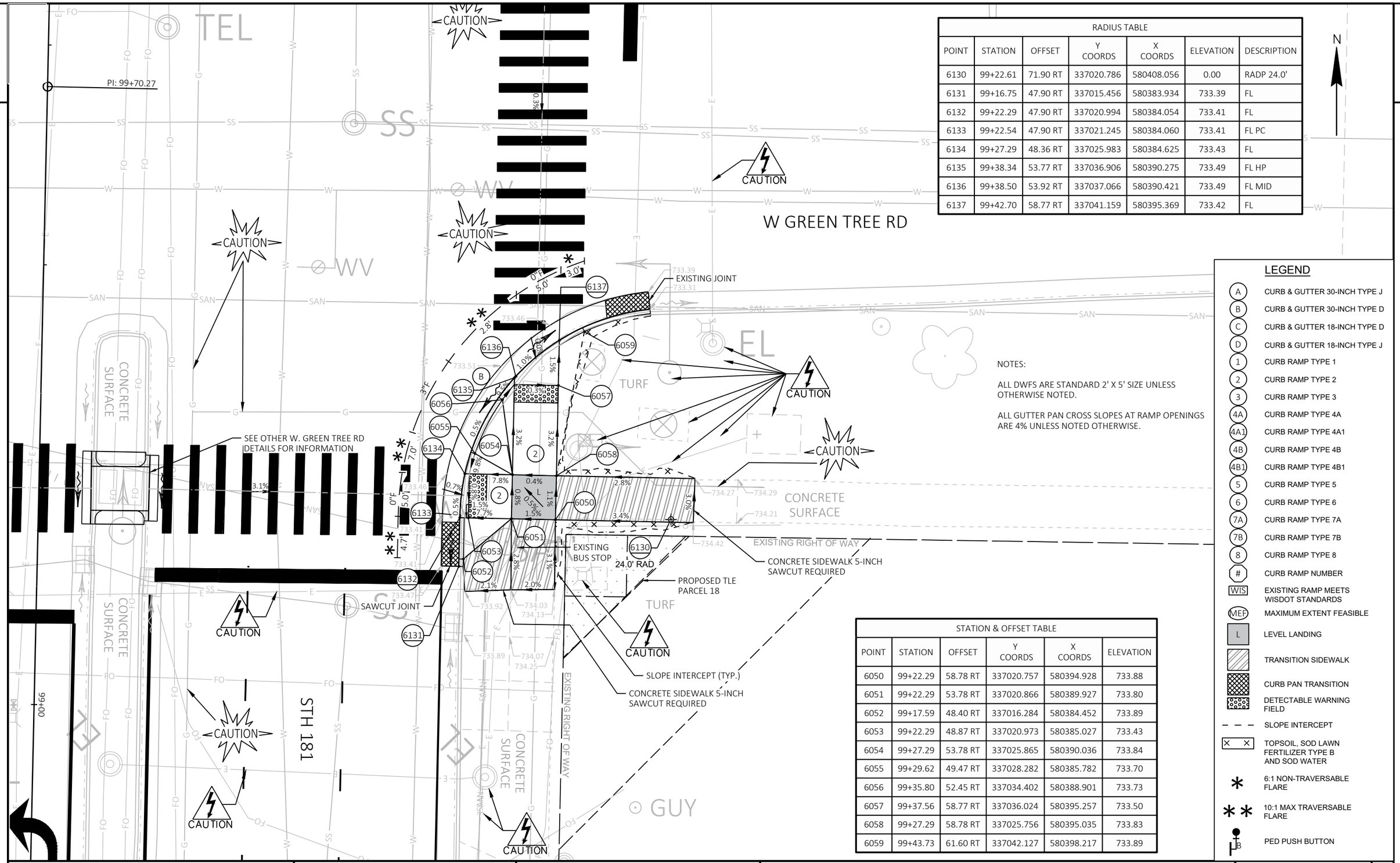
- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEP) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- [× ×] TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GREEN TREE RD	SHEET 62	E



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
6130	99+22.61	71.90 RT	337020.786	580408.056	0.00	RADP 24.0'
6131	99+16.75	47.90 RT	337015.456	580383.934	733.39	FL
6132	99+22.29	47.90 RT	337020.994	580384.054	733.41	FL
6133	99+22.54	47.90 RT	337021.245	580384.060	733.41	FL PC
6134	99+27.29	48.36 RT	337025.983	580384.625	733.43	FL
6135	99+38.34	53.77 RT	337036.906	580390.275	733.49	FL HP
6136	99+38.50	53.92 RT	337037.066	580390.421	733.49	FL MID
6137	99+42.70	58.77 RT	337041.159	580395.369	733.42	FL

NOTES:

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ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
6050	99+22.29	58.78 RT	337020.757	580394.928	733.88
6051	99+22.29	53.78 RT	337020.866	580389.927	733.80
6052	99+17.59	48.40 RT	337016.284	580384.452	733.89
6053	99+22.29	48.87 RT	337020.973	580385.027	733.43
6054	99+27.29	53.78 RT	337025.865	580390.036	733.84
6055	99+29.62	49.47 RT	337028.282	580385.782	733.70
6056	99+35.80	52.45 RT	337034.402	580388.901	733.73
6057	99+37.56	58.77 RT	337036.024	580395.257	733.50
6058	99+27.29	58.78 RT	337025.756	580395.035	733.83
6059	99+43.73	61.60 RT	337042.127	580398.217	733.89

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
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- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
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- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- WIS EXISTING RAMP MEETS WISDOT STANDARDS
- MEF MAXIMUM EXTENT FEASIBLE
- L LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GREEN TREE RD	SHEET 63	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-2.DWG
LAYOUT NAME - 23
PLOT DATE : 4/23/2025 3:31 PM
PLOT BY : NICHOLAS TRAUB
PLOT NAME :
PLOT SCALE : 1:10 FT
WISDOT/CADDS SHEET 42

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
7100	105+90.57	70.55 LT	337691.686	580280.119	0.00	RADP 23.0'
7101	106+13.56	71.16 LT	337714.686	580280.015	736.76	FL PC
7102	106+10.41	58.92 LT	337711.272	580292.176	736.90	FL HP
7103	106+06.94	54.40 LT	337707.707	580296.620	736.85	FL MID
7104	106+06.46	53.92 LT	337707.211	580297.089	736.85	FL
7105	105+90.29	47.56 LT	337690.903	580303.105	736.72	FL PT
7106	105+88.47	47.58 LT	337689.091	580303.045	736.70	FL
7107	105+83.47	47.64 LT	337684.092	580302.878	736.66	FL
7108	105+80.47	47.67 LT	337681.094	580302.778	736.64	FL

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
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- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
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- DETECTABLE WARNING FIELD
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- [× ×] TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
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NOTES:

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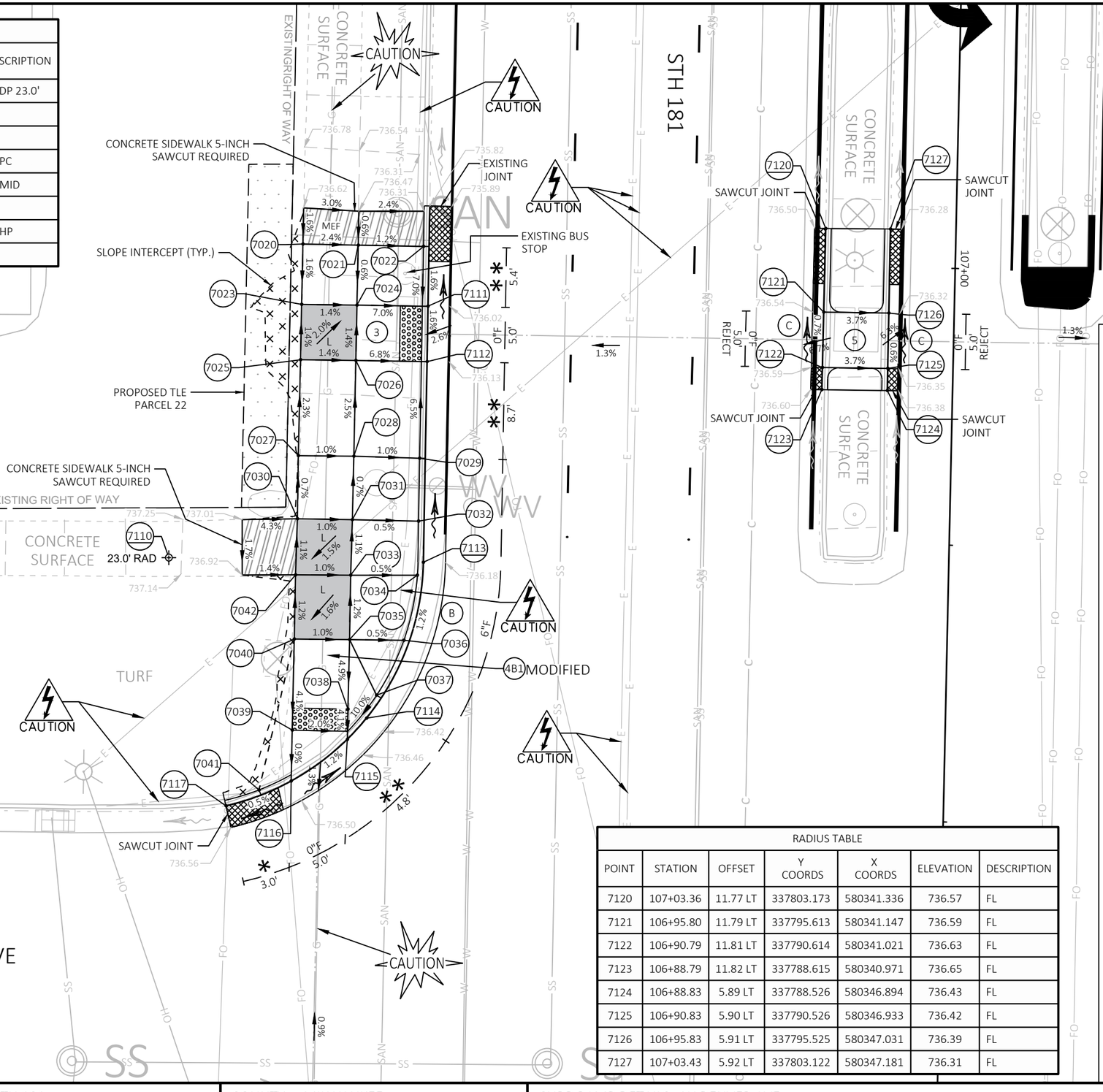
ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
7000	105+83.34	58.84 LT	337684.202	580291.674	737.19
7001	105+88.34	58.93 LT	337689.202	580291.696	737.15
7002	105+93.34	58.93 LT	337694.201	580291.805	737.12
7003	106+05.73	58.92 LT	337706.587	580292.074	736.97
7004	106+11.30	61.80 LT	337712.218	580289.321	737.37
7005	105+93.40	53.93 LT	337694.152	580296.805	737.03
7006	106+02.12	51.24 LT	337702.815	580299.673	773.31
7007	105+88.40	53.93 LT	337689.153	580296.696	737.06
7008	105+93.55	48.25 LT	337694.185	580302.479	737.24
7009	105+88.44	50.08 LT	337689.115	580300.542	736.87
7010	105+83.40	53.84 LT	337684.153	580296.673	737.10
7011	105+80.48	48.17 LT	337681.110	580302.278	737.16
7012	105+72.37	59.14 LT	337673.241	580291.134	737.29
7013	105+83.35	59.34 LT	337684.221	580291.174	737.61
7014	105+87.83	59.42 LT	337688.706	580291.194	737.65
7015	105+87.84	64.24 LT	337688.823	580286.370	737.28

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
7150	105+89.11	5.96 RT	337688.566	580356.586	736.89	FL
7151	105+84.11	5.93 RT	337683.567	580356.447	736.91	FL
7152	105+82.11	5.92 RT	337681.567	580356.391	736.92	FL
7153	105+84.18	12.39 RT	337683.504	580362.900	736.73	FL
7154	105+89.18	12.39 RT	337688.503	580363.016	736.71	FL
7155	105+82.18	12.38 RT	337681.504	580362.854	736.73	FL

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
7110	106+72.34	70.46 LT	337773.430	580281.988	0.00	RADP 23.0'
7111	106+95.56	47.55 LT	337796.148	580305.396	735.97	FL
7112	106+90.56	47.53 LT	337791.149	580305.307	736.05	FL
7113	106+72.42	47.46 LT	337773.020	580304.984	736.26	FL PC
7114	106+58.24	52.28 LT	337758.946	580299.854	736.44	FL MID
7115	106+56.29	53.98 LT	337757.027	580298.110	736.47	FL
7116	106+52.40	58.98 LT	337753.253	580293.027	736.54	FL HP
7117	106+50.04	64.81 LT	337751.016	580287.146	736.51	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
7020	107+00.93	58.97 LT	337801.771	580294.091	736.57
7021	107+00.94	53.97 LT	337801.672	580299.090	736.45
7022	107+00.95	48.07 LT	337801.555	580304.992	736.38
7023	106+95.48	58.96 LT	337796.319	580293.983	736.49
7024	106+95.51	53.96 LT	337796.244	580298.982	736.42
7025	106+90.48	58.95 LT	337791.320	580293.884	736.56
7026	106+90.51	53.95 LT	337791.245	580298.883	736.49
7027	106+81.81	58.96 LT	337782.654	580293.684	736.76
7028	106+81.86	53.95 LT	337782.597	580298.700	736.71
7029	106+81.82	47.99 LT	337782.424	580304.651	736.65
7030	106+76.11	58.92 LT	337776.957	580293.603	736.80
7031	106+76.13	53.96 LT	337776.865	580298.562	736.75
7032	106+76.13	47.97 LT	337776.742	580304.550	736.72
7033	106+71.11	54.00 LT	337771.853	580298.413	736.80
7034	106+71.24	47.99 LT	337771.853	580304.430	736.77
7035	106+65.29	53.98 LT	337766.033	580298.306	736.87
7036	106+65.35	49.08 LT	337765.979	580303.209	736.85
7037	106+60.34	51.43 LT	337761.023	580300.750	736.91
7038	106+59.01	53.98 LT	337759.749	580298.169	736.57
7039	106+57.01	58.98 LT	337757.861	580293.127	736.59
7040	106+65.24	58.98 LT	337766.088	580293.306	736.92
7041	106+51.54	61.86 LT	337752.452	580290.129	737.03
7042	106+71.05	58.98 LT	337771.895	580293.434	736.85



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
7120	107+03.36	11.77 LT	337803.173	580341.336	736.57	FL
7121	106+95.80	11.79 LT	337795.613	580341.147	736.59	FL
7122	106+90.79	11.81 LT	337790.614	580341.021	736.63	FL
7123	106+88.79	11.82 LT	337788.615	580340.971	736.65	FL
7124	106+88.83	5.89 LT	337788.526	580346.894	736.43	FL
7125	106+90.83	5.90 LT	337790.526	580346.933	736.42	FL
7126	106+95.83	5.91 LT	337795.525	580347.031	736.39	FL
7127	107+03.43	5.92 LT	337803.122	580347.181	736.31	FL

LEGEND

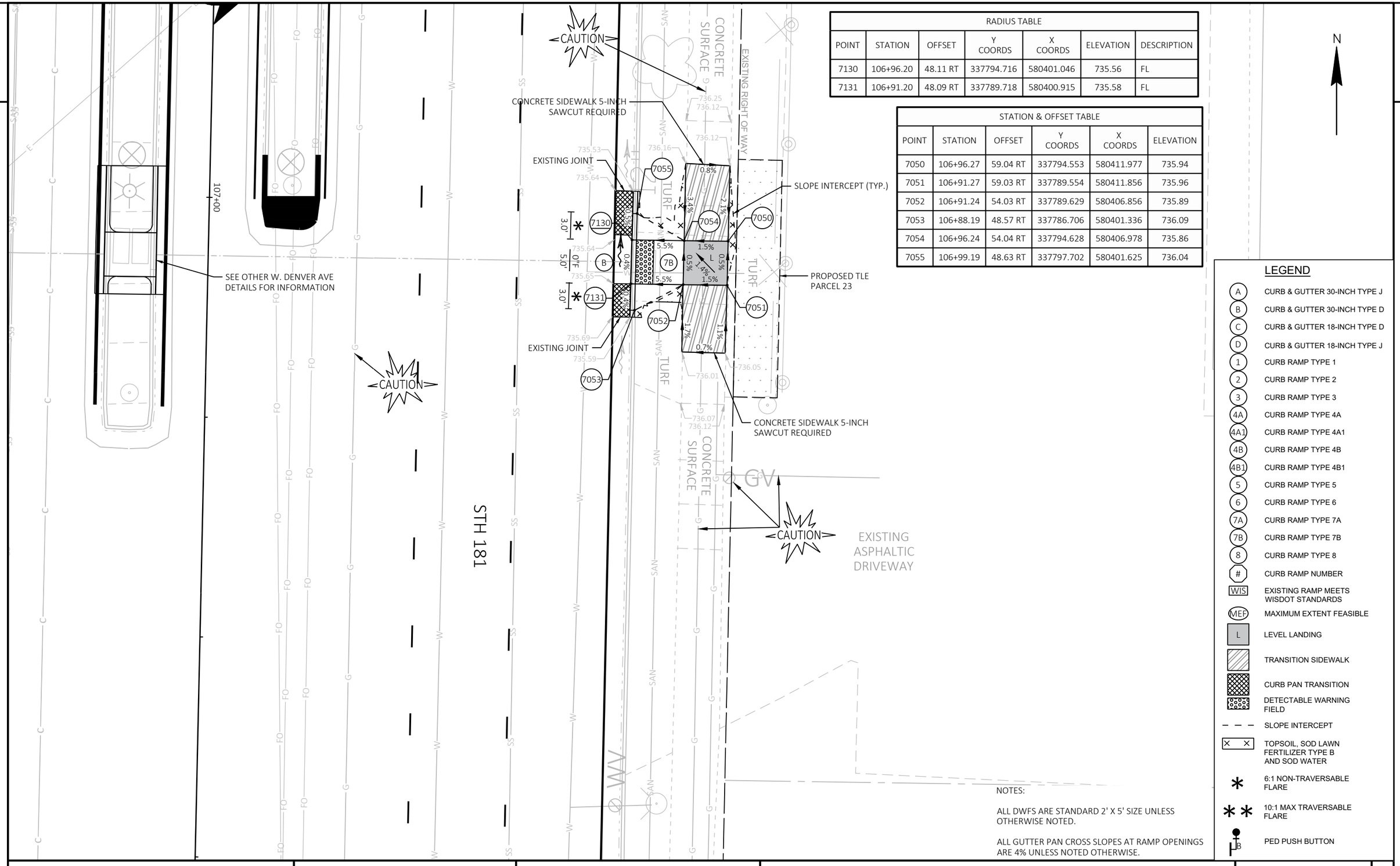
- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
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NOTES:

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PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W DENVER AVE	SHEET 65	E



N

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
7130	106+96.20	48.11 RT	337794.716	580401.046	735.56	FL
7131	106+91.20	48.09 RT	337789.718	580400.915	735.58	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
7050	106+96.27	59.04 RT	337794.553	580411.977	735.94
7051	106+91.27	59.03 RT	337789.554	580411.856	735.96
7052	106+91.24	54.03 RT	337789.629	580406.856	735.89
7053	106+88.19	48.57 RT	337786.706	580401.336	736.09
7054	106+96.24	54.04 RT	337794.628	580406.978	735.86
7055	106+99.19	48.63 RT	337797.702	580401.625	736.04

LEGEND

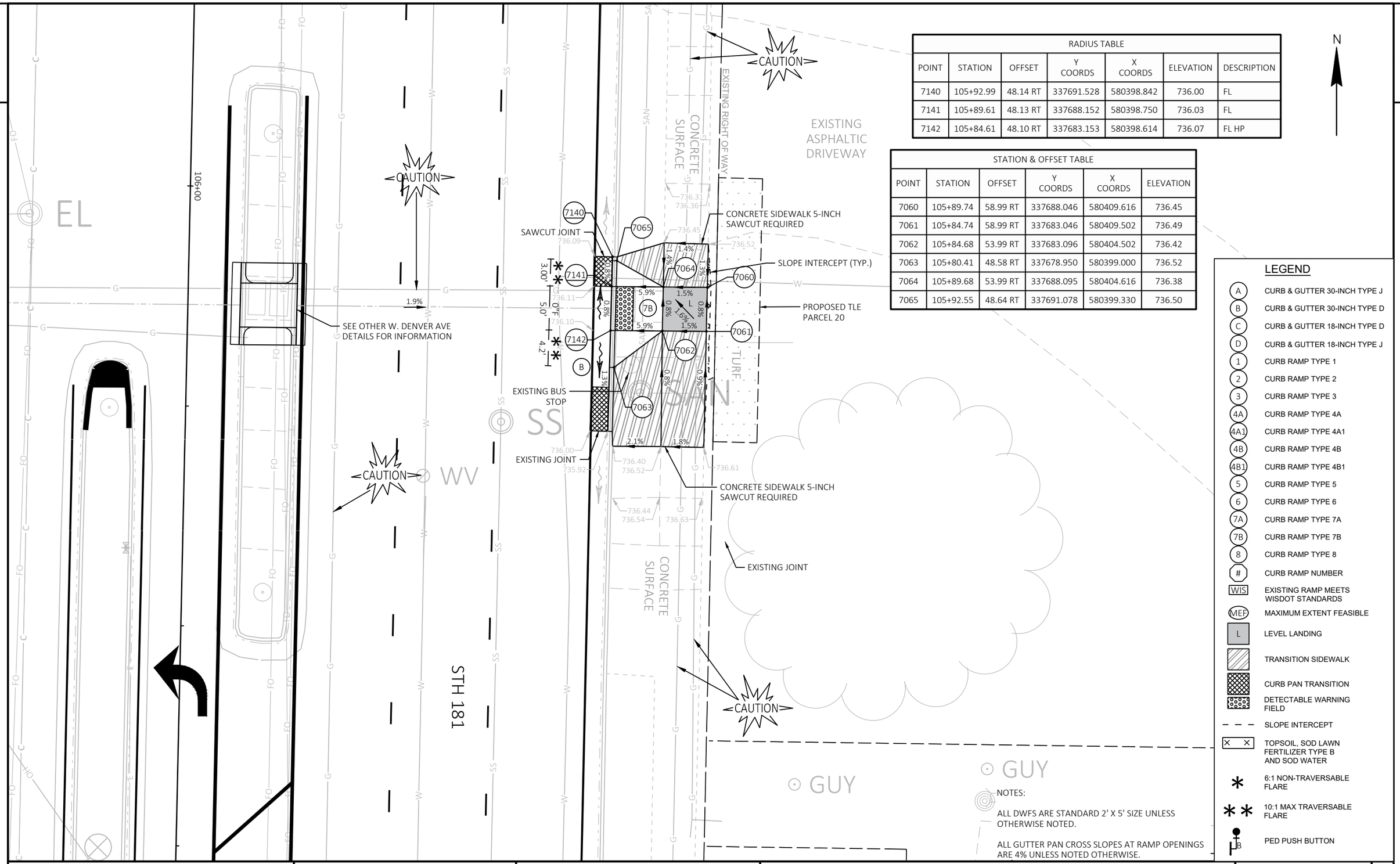
- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
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- (1) CURB RAMP TYPE 1
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- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
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PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W DENVER AVE	SHEET 66	E



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
7140	105+92.99	48.14 RT	337691.528	580398.842	736.00	FL
7141	105+89.61	48.13 RT	337688.152	580398.750	736.03	FL
7142	105+84.61	48.10 RT	337683.153	580398.614	736.07	FL HP

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
7060	105+89.74	58.99 RT	337688.046	580409.616	736.45
7061	105+84.74	58.99 RT	337683.046	580409.502	736.49
7062	105+84.68	53.99 RT	337683.096	580404.502	736.42
7063	105+80.41	48.58 RT	337678.950	580399.000	736.52
7064	105+89.68	53.99 RT	337688.095	580404.616	736.38
7065	105+92.55	48.64 RT	337691.078	580399.330	736.50

N

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
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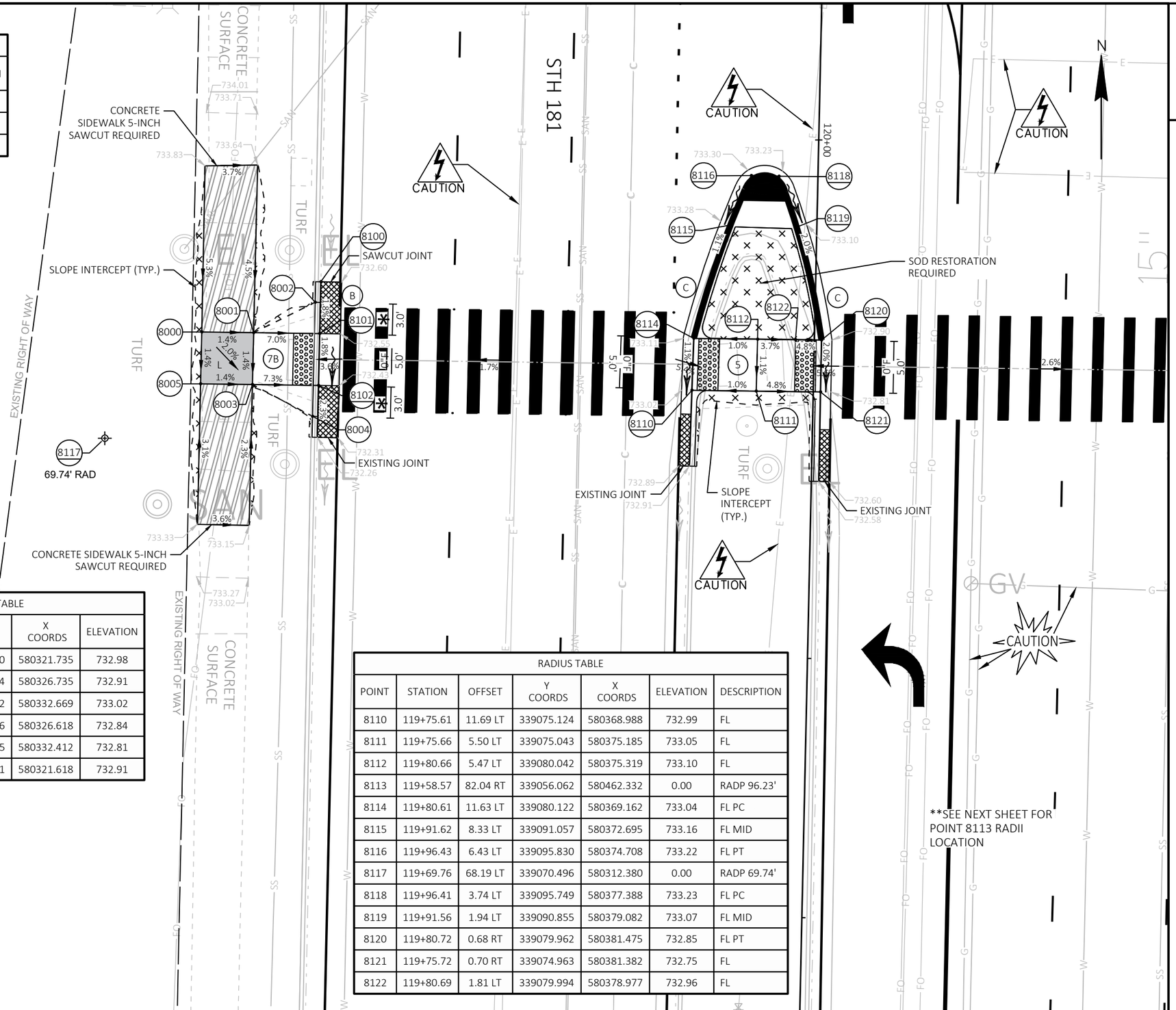
PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W DENVER AVE	SHEET 67	E

2

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
8100	119+85.29	47.69 LT	339085.585	580333.215	732.56	FL
8101	119+80.30	47.70 LT	339080.592	580333.098	732.47	FL
8102	119+75.30	47.70 LT	339075.593	580332.982	732.38	FL

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
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- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
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- (#) CURB RAMP NUMBER
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STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
8000	119+80.20	59.06 LT	339080.740	580321.735	732.98
8001	119+80.24	54.06 LT	339080.674	580326.735	732.91
8002	119+83.30	48.19 LT	339083.602	580332.669	733.02
8003	119+75.24	54.07 LT	339075.676	580326.618	732.84
8004	119+72.30	48.21 LT	339072.605	580332.412	732.81
8005	119+75.20	59.07 LT	339075.741	580321.618	732.91

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
8110	119+75.61	11.69 LT	339075.124	580368.988	732.99	FL
8111	119+75.66	5.50 LT	339075.043	580375.185	733.05	FL
8112	119+80.66	5.47 LT	339080.042	580375.319	733.10	FL
8113	119+58.57	82.04 RT	339056.062	580462.332	0.00	RADP 96.23'
8114	119+80.61	11.63 LT	339080.122	580369.162	733.04	FL PC
8115	119+91.62	8.33 LT	339091.057	580372.695	733.16	FL MID
8116	119+96.43	6.43 LT	339095.830	580374.708	733.22	FL PT
8117	119+69.76	68.19 LT	339070.496	580312.380	0.00	RADP 69.74'
8118	119+96.41	3.74 LT	339095.749	580377.388	733.23	FL PC
8119	119+91.56	1.94 LT	339090.855	580379.082	733.07	FL MID
8120	119+80.72	0.68 RT	339079.962	580381.475	732.85	FL PT
8121	119+75.72	0.70 RT	339074.963	580381.382	732.75	FL
8122	119+80.69	1.81 LT	339079.994	580378.977	732.96	FL

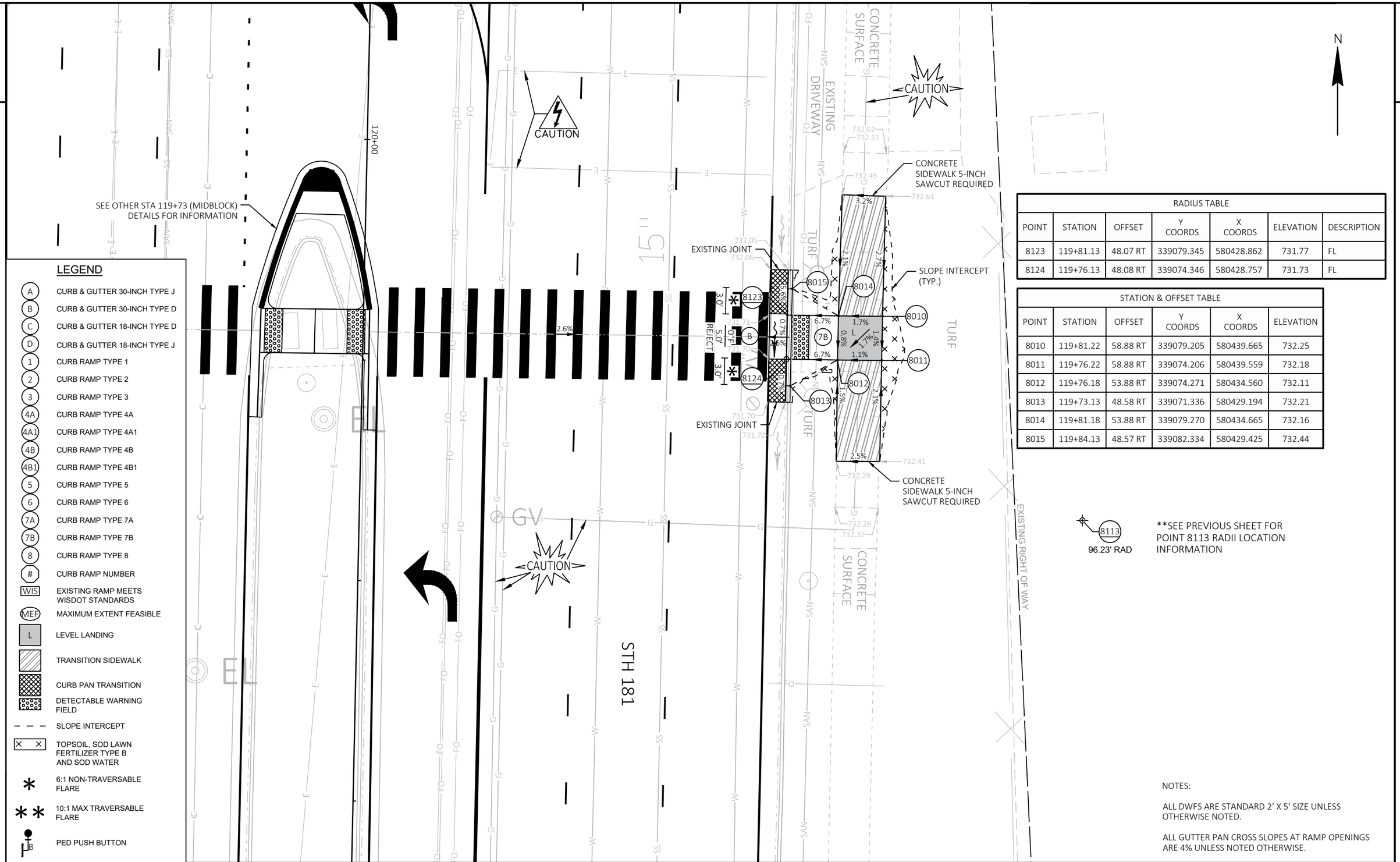
NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - STA 119+73 (MIDBLOCK)	SHEET 68	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-2.DWG LAYOUT NAME - 28
PLOT DATE : 4/23/2025 3:32 PM PLOT BY : NICHOLAS TRAUB PLOT NAME : PLOT SCALE : 1:10 FT
WISDOT/CADDS SHEET 42



LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
8123	119+81.13	48.07 RT	339079.345	580428.862	731.77	FL
8124	119+76.13	48.08 RT	339074.346	580428.757	731.73	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
8010	119+81.22	58.88 RT	339079.205	580439.665	732.25
8011	119+76.22	58.88 RT	339074.206	580439.559	732.18
8012	119+76.18	53.88 RT	339074.271	580434.560	732.11
8013	119+73.13	48.58 RT	339071.336	580429.194	732.21
8014	119+81.18	53.88 RT	339079.270	580434.665	732.16
8015	119+84.13	48.57 RT	339082.334	580429.425	732.44

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - STA 119+73 (MIDBLOCK)	SHEET 69	E

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- WIS EXISTING RAMP MEETS WISDOT STANDARDS
- MEF MAXIMUM EXTENT FEASIBLE
- L LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

SEE OTHER PICK N' SAVE DRIVEWAY DETAILS FOR INFORMATION

SEE OTHER PICK N' SAVE DRIVEWAY DETAILS FOR INFORMATION

CAUTION

CAUTION

CAUTION

EXISTING RIGHT OF WAY

PROPOSED TLE PARCEL 52

EXISTING SAVE DRIVEWAY

SAWCUT JOINT

SAWCUT JOINT

SLOPE INTERCEPT (TYP.)

15.0' RAD

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

CONCRETE SURFACE

EXISTING DRIVEWAY

EXISTING RIGHT OF WAY

STH 181

12"

TURF

GRAVEL

N

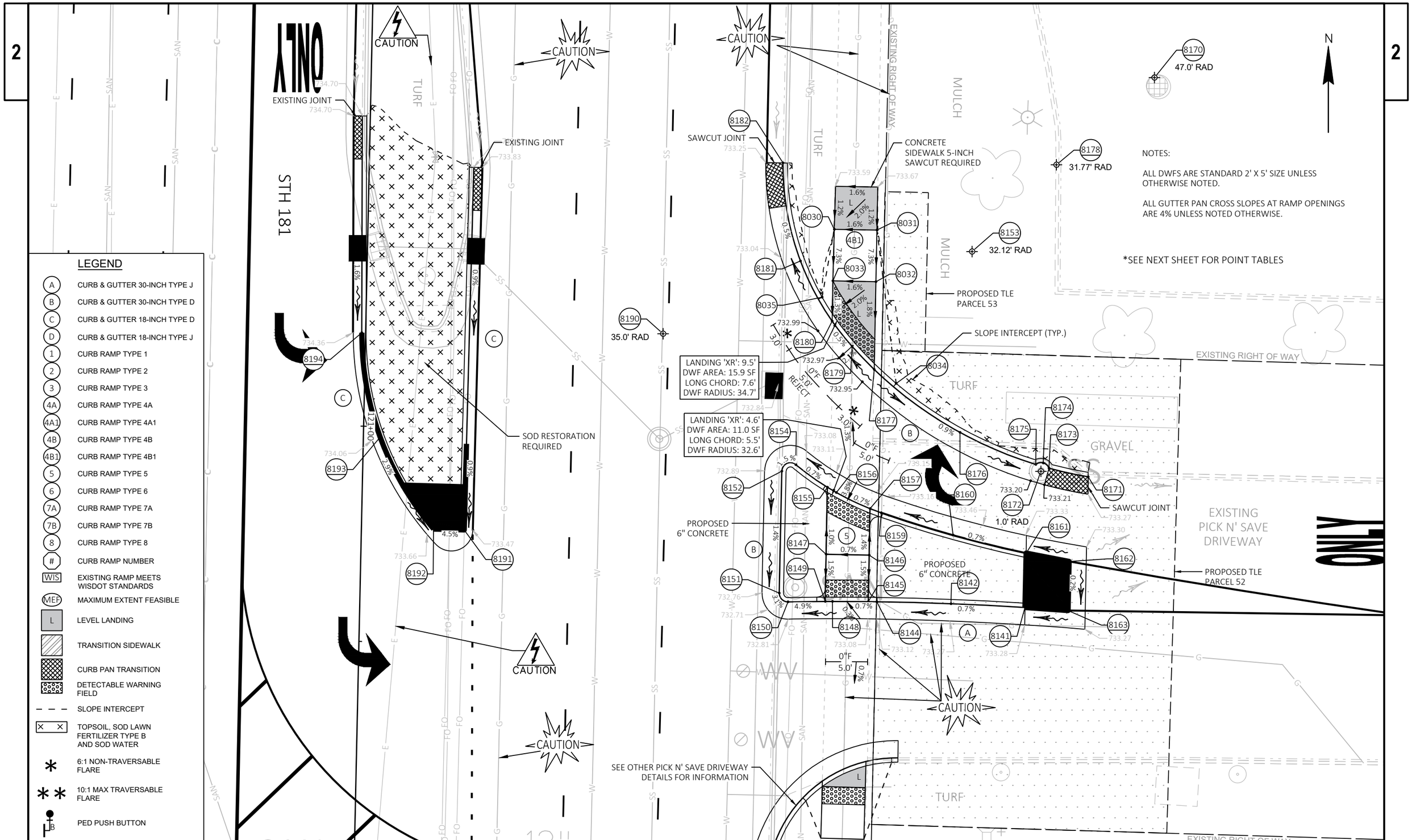
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RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
8130	120+47.82	63.00 RT	339145.698	580445.229	0.00	RAPD 15.0'
8131	120+49.52	48.09 RT	339147.717	580430.366	732.43	FL PC
8132	120+58.90	52.89 RT	339156.997	580435.363	732.78	FL MID
8133	120+59.94	54.16 RT	339158.006	580436.655	732.84	FL
8134	120+62.32	59.17 RT	339160.282	580441.718	733.02	FL
8135	120+62.82	62.88 RT	339160.697	580445.432	733.14	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
8020	120+59.28	59.16 RT	339157.244	580441.636	733.03
8021	120+59.31	54.16 RT	339157.379	580436.638	732.87
8022	120+62.29	62.16 RT	339160.189	580444.703	733.62
8023	120+57.60	52.30 RT	339155.712	580434.742	733.24

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - PICK N' SAVE DRIVEWAY	SHEET 70	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-2.DWG
LAYOUT NAME - 30
PLOT DATE : 4/23/2025 3:33 PM
PLOT BY : NICHOLAS TRAUB
PLOT NAME :
PLOT SCALE : 1:10 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - PICK N' SAVE DRIVEWAY	SHEET 71 E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-2.DWG
LAYOUT NAME - 31
PLOT DATE : 4/23/2025 3:33 PM
PLOT BY : NICHOLAS TRAUB
PLOT NAME :
PLOT SCALE : 1:10 FT
WISDOT/CADDS SHEET 42

2

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
8140	117+30.66	62.50 RT	338828.624	580437.854	0.00	RADP 350.26'
8141	120+80.61	77.25 RT	339178.172	580460.189	733.19	FL HP PC
8142	120+80.87	68.64 RT	339178.615	580451.585	733.13	FL MID
8143	117+73.42	62.20 RT	338871.380	580438.480	0.00	RADP 307.50'
8144	120+80.91	60.03 RT	339178.847	580442.976	733.07	FL PI
8145	120+80.90	59.03 RT	339178.860	580441.983	733.07	FL
8146	120+86.31	59.02 RT	339184.261	580442.085	733.14	FL
8147	120+86.29	54.02 RT	339184.356	580437.086	733.11	FL
8148	120+80.83	54.87 RT	339178.879	580437.815	733.04	FL MID
8149	120+80.81	54.03 RT	339178.876	580436.982	733.03	FL
8150	120+80.67	49.71 RT	339178.825	580432.654	732.82	FL PT
8151	120+81.66	48.67 RT	339179.845	580431.635	732.77	FL
8152	120+95.83	48.66 RT	339194.012	580431.931	732.97	FL
8153	121+21.81	70.20 RT	339219.518	580454.029	0.00	RADP 32.12
8154	120+96.62	50.28 RT	339194.762	580433.568	733.00	FL PC
8155	120+94.08	54.00 RT	339192.142	580437.234	733.03	FL
8156	120+93.49	55.06 RT	339191.528	580438.279	733.04	FL MID
8157	120+91.71	59.00 RT	339189.663	580442.188	733.07	FL
8158	122+24.18	103.29 RT	339321.147	580489.338	0.00	RADP 139.71'
8159	120+91.25	60.32 RT	339189.179	580443.489	733.08	FL PI
8160	120+88.82	68.71 RT	339186.570	580451.833	733.14	FL MID
8161	120+86.93	77.25 RT	339184.488	580460.324	733.21	FL
8162	120+86.07	82.24 RT	339183.525	580465.301	733.24	FL HP PT
8163	120+80.36	82.25 RT	339177.817	580465.183	733.23	FL

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
8170	121+42.47	90.95 RT	339239.725	580475.228	0.00	RADP 47.0'
8171	120+95.95	84.25 RT	339193.361	580467.522	733.26	FL PC
8172	120+96.47	78.75 RT	339193.995	580462.029	0.00	RADP 1.0'
8173	120+96.85	79.67 RT	339194.354	580462.963	733.31	FL PC
8174	120+97.44	79.00 RT	339194.956	580462.307	733.71	FL MID
8175	120+97.26	78.13 RT	339194.796	580461.431	733.32	FL PT
8176	121+00.78	69.27 RT	339198.507	580452.643	733.42	FL MID
8177	121+07.87	59.14 RT	339205.823	580442.676	733.54	FL HP
8178	121+32.11	79.79 RT	339229.606	580463.845	0.00	RAPD 31.77'
8179	121+10.49	56.51 RT	339208.498	580440.102	733.49	FL PI
8180	121+13.38	54.13 RT	339211.440	580437.782	733.43	FL
8181	121+20.29	50.30 RT	339218.424	580434.109	733.33	FL MID
8182	121+31.63	48.03 RT	339229.813	580432.077	733.14	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
8030	121+24.06	54.15 RT	339222.109	580438.038	733.53
8031	121+24.07	59.10 RT	339222.013	580442.990	733.61
8032	121+18.07	59.12 RT	339216.014	580442.873	733.17
8033	121+18.06	54.12 RT	339216.111	580437.873	733.09
8034	121+06.30	61.73 RT	339204.198	580445.228	733.52
8035	121+16.14	52.91 RT	339214.225	580436.620	733.55

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
8190	121+11.49	34.53 RT	339209.971	580418.147	0.00	RADP 35.0'
8191	120+88.22	11.93 RT	339187.192	580395.046	733.43	FL
8192	120+88.23	8.37 RT	339187.287	580391.493	733.59	FL PC
8193	120+98.75	1.93 RT	339197.943	580385.279	733.94	FL MID
8194	121+10.85	0.47 LT	339210.094	580383.147	734.30	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
9000	127+00.47	59.17 LT	339801.813	580338.578	734.59
9001	127+00.45	54.17 LT	339801.608	580343.573	734.52
9002	127+04.74	48.58 LT	339805.676	580349.320	734.65
9003	126+95.45	54.18 LT	339796.612	580343.368	734.47
9004	126+91.02	49.50 LT	339792.001	580347.875	734.64
9005	126+86.73	51.26 LT	339787.785	580345.944	734.62
9006	126+82.60	59.21 LT	339783.958	580337.844	734.14
9007	126+95.47	59.18 LT	339796.817	580338.372	734.52
9008	126+77.08	62.10 LT	339778.556	580334.738	734.54

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- (WIS) EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- (L) LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
9100	126+97.02	70.15 LT	339798.792	580327.475	0.00	RADP 22.0'
9101	127+00.44	48.12 LT	339801.360	580349.619	734.19	FL HP
9102	126+96.85	48.15 LT	339797.768	580349.452	734.17	FL PC
9103	126+95.44	48.20 LT	339796.367	580349.341	734.17	FL
9104	126+81.85	54.21 LT	339783.017	580342.810	734.10	FL
9105	126+81.56	54.49 LT	339782.737	580342.516	734.10	FL MID
9106	126+77.92	59.22 LT	339779.288	580337.653	734.07	FL
9107	126+75.02	69.70 LT	339776.796	580327.063	733.96	FL PT
9108	126+74.96	72.51 LT	339776.849	580324.255	733.93	FL

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GOOD HOPE RD	SHEET 73	E

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
9110	126+95.25	53.73 RT	339792.218	580451.188	0.00	RADP 3.25'
9111	126+78.34	60.36 RT	339775.068	580457.155	733.63	FL
9112	126+77.94	55.37 RT	339774.861	580452.154	733.71	FL
9113	126+77.64	51.69 RT	339774.708	580448.467	733.77	FL
9114	126+78.90	50.34 RT	339776.016	580447.167	733.80	FL HP
9115	126+88.53	50.42 RT	339785.633	580447.623	733.67	FL
9116	126+93.53	50.46 RT	339790.627	580447.859	733.60	FL
9117	126+95.28	50.48 RT	339792.372	580447.942	733.57	FL PC
9118	126+97.48	52.12 RT	339794.508	580449.664	733.53	FL MID
9119	126+98.35	54.71 RT	339795.276	580452.291	733.49	FL
9120	126+98.34	54.72 RT	339795.272	580452.300	733.49	FL PT
9121	126+96.72	59.77 RT	339793.460	580457.278	733.44	FL
9122	126+93.49	54.87 RT	339790.419	580452.258	733.54	FL
9123	126+88.49	55.03 RT	339785.415	580452.225	733.60	FL

STH 181

127+00

EXISTING RIGHT OF WAY

CAUTION

CAUTION

CAUTION

CAUTION

REJECT 0"F 5.0'

0"F 5.0'

DWF SIZE: 2' X 5.3'

EXISTING JOINT

EXISTING JOINT

3.25' RAD

CONCRETE SURFACE

W GOOD HOPE RD

0.6%

0.4%

0.2%

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GOOD HOPE RD	SHEET 74	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-2.DWG
LAYOUT NAME - 34

PLOT DATE : 4/23/2025 3:34 PM PLOT BY : NICHOLAS TRAUB PLOT NAME : PLOT SCALE : 1:10 FT

WISDOT/CADDS SHEET 42

2

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

W GOOD HOPE RD

N

126+00

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
9130	125+46.55	71.62 RT	339644.121	580464.658	0.00	RADP 23.5'
9131	125+45.14	48.09 RT	339643.229	580441.107	734.02	FL HP
9132	125+46.92	48.12 RT	339645.004	580441.174	733.99	FL PC
9133	125+50.14	48.39 RT	339648.221	580441.518	733.92	FL
9134	125+62.24	54.13 RT	339660.192	580447.513	733.64	FL
9135	125+63.04	54.87 RT	339660.969	580448.276	733.62	FL MID
9136	125+66.46	59.13 RT	339664.297	580452.609	733.51	FL
9137	125+70.03	70.88 RT	339667.619	580464.434	733.41	FL PT

CAUTION

LANDING 'XR': 2.4'
DWF AREA: 10.0 SF
LONG CHORD: 3.2'
DWF RADIUS: 23.0'

EXISTING JOINT

EXISTING BUS STOP

EXISTING JOINT

EXISTING RIGHT OF WAY

CONCRETE SURFACE

TURF

23.5' RAD

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

PROPOSED TLE PARCEL 25

SLOPE INTERCEPT (TYP.)

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

STH 181

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
9010	125+45.13	59.10 RT	339642.974	580452.115	734.34
9011	125+45.13	54.10 RT	339643.090	580447.116	734.27
9012	125+40.89	48.52 RT	339638.971	580441.448	734.47
9013	125+50.13	54.11 RT	339648.089	580447.232	734.20
9014	125+53.92	49.83 RT	339651.970	580443.038	734.34
9015	125+56.47	50.87 RT	339654.488	580444.127	734.28
9016	125+59.48	54.12 RT	339657.428	580447.449	733.80
9017	125+61.47	59.13 RT	339659.316	580452.494	733.58
9018	125+50.13	59.11 RT	339647.973	580452.231	734.27
9019	125+67.43	61.98 RT	339665.208	580455.476	733.99

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GOOD HOPE RD	SHEET 75	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-2.DWG
LAYOUT NAME - 35

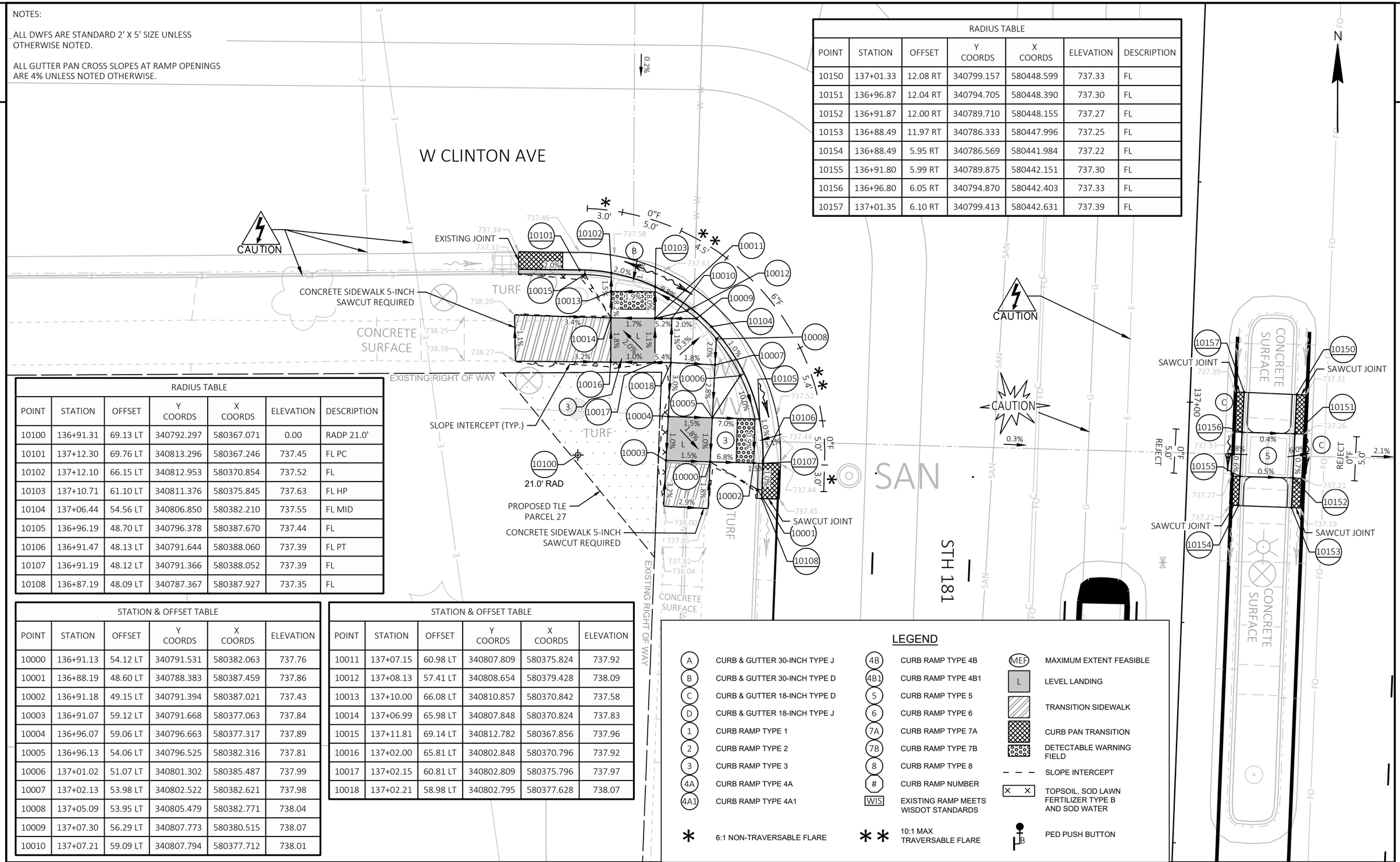
PLOT DATE : 4/23/2025 3:34 PM PLOT BY : NICHOLAS TRAUB PLOT NAME : PLOT SCALE : 1:10 FT

WISDOT/CADDS SHEET 42

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
10100	136+91.31	69.13 LT	340792.297	580367.071	0.00	RADP 21.0'
10101	137+12.30	69.76 LT	340813.296	580367.246	737.45	FL PC
10102	137+12.10	66.15 LT	340812.953	580370.854	737.52	FL
10103	137+10.71	61.10 LT	340811.376	580375.845	737.63	FL HP
10104	137+06.44	54.56 LT	340806.850	580382.210	737.55	FL MID
10105	136+96.19	48.70 LT	340796.378	580387.670	737.44	FL
10106	136+91.47	48.13 LT	340791.644	580388.060	737.39	FL PT
10107	136+91.19	48.12 LT	340791.366	580388.052	737.39	FL
10108	136+87.19	48.09 LT	340787.367	580387.927	737.35	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
10000	136+91.13	54.12 LT	340791.531	580382.063	737.76
10001	136+88.19	48.60 LT	340788.383	580387.459	737.86
10002	136+91.18	49.15 LT	340791.394	580387.021	737.43
10003	136+91.07	59.12 LT	340791.668	580377.063	737.84
10004	136+96.07	59.06 LT	340796.663	580377.317	737.89
10005	136+96.13	54.06 LT	340796.525	580382.316	737.81
10006	137+01.02	51.07 LT	340801.302	580385.487	737.99
10007	137+02.13	53.98 LT	340802.522	580382.621	737.98
10008	137+05.09	53.95 LT	340805.479	580382.771	738.04
10009	137+07.30	56.29 LT	340807.773	580380.515	738.07
10010	137+07.21	59.09 LT	340807.794	580377.712	738.01

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
10011	137+07.15	60.98 LT	340807.809	580375.824	737.92
10012	137+08.13	57.41 LT	340808.654	580379.428	738.09
10013	137+10.00	66.08 LT	340810.857	580370.842	737.58
10014	137+06.99	65.98 LT	340807.848	580370.824	737.83
10015	137+11.81	69.14 LT	340812.782	580367.856	737.96
10016	137+02.00	65.81 LT	340802.848	580370.796	737.92
10017	137+02.15	60.81 LT	340802.809	580375.796	737.97
10018	137+02.21	58.98 LT	340802.795	580377.628	738.07

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
10150	137+01.33	12.08 RT	340799.157	580448.599	737.33	FL
10151	136+96.87	12.04 RT	340794.705	580448.390	737.30	FL
10152	136+91.87	12.00 RT	340789.710	580448.155	737.27	FL
10153	136+88.49	11.97 RT	340786.333	580447.996	737.25	FL
10154	136+88.49	5.95 RT	340786.569	580441.984	737.22	FL
10155	136+91.80	5.99 RT	340789.875	580442.151	737.30	FL
10156	136+96.80	6.05 RT	340794.870	580442.403	737.33	FL
10157	137+01.35	6.10 RT	340799.413	580442.631	737.39	FL

LEGEND

A	CURB & GUTTER 30-INCH TYPE J	4B	CURB RAMP TYPE 4B	MEF	MAXIMUM EXTENT FEASIBLE
B	CURB & GUTTER 30-INCH TYPE D	4B1	CURB RAMP TYPE 4B1	L	LEVEL LANDING
C	CURB & GUTTER 18-INCH TYPE D	5	CURB RAMP TYPE 5		TRANSITION SIDEWALK
D	CURB & GUTTER 18-INCH TYPE J	6	CURB RAMP TYPE 6		CURB PAN TRANSITION
1	CURB RAMP TYPE 1	7A	CURB RAMP TYPE 7A		DETECTABLE WARNING FIELD
2	CURB RAMP TYPE 2	7B	CURB RAMP TYPE 7B		SLOPE INTERCEPT
3	CURB RAMP TYPE 3	8	CURB RAMP TYPE 8		TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
4A	CURB RAMP TYPE 4A	#	CURB RAMP NUMBER	B	PED PUSH BUTTON
4A1	CURB RAMP TYPE 4A1	WIS	EXISTING RAMP MEETS WISDOT STANDARDS		
*	6:1 NON-TRAVERSABLE FLARE	**	10:1 MAX TRAVERSABLE FLARE		

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W CLINTON AVE	SHEET 76	E

2

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
10110	137+77.07	64.65 LT	340877.818	580374.869	0.00	RADP 17.0'
10111	137+79.79	47.66 LT	340879.880	580391.949	738.01	FL HP
10112	137+77.14	47.65 LT	340877.234	580391.859	737.98	FL PC
10113	137+74.79	47.80 LT	340874.889	580391.615	737.95	FL
10114	137+65.27	52.41 LT	340865.554	580386.642	737.82	FL MID
10115	137+60.18	62.74 LT	340860.864	580376.126	737.67	FL
10116	137+60.08	64.10 LT	340860.818	580374.758	737.65	FL PT
10117	137+59.96	67.73 LT	340860.841	580371.126	737.61	FL
10118	137+59.83	71.73 LT	340860.867	580367.126	737.50	FL

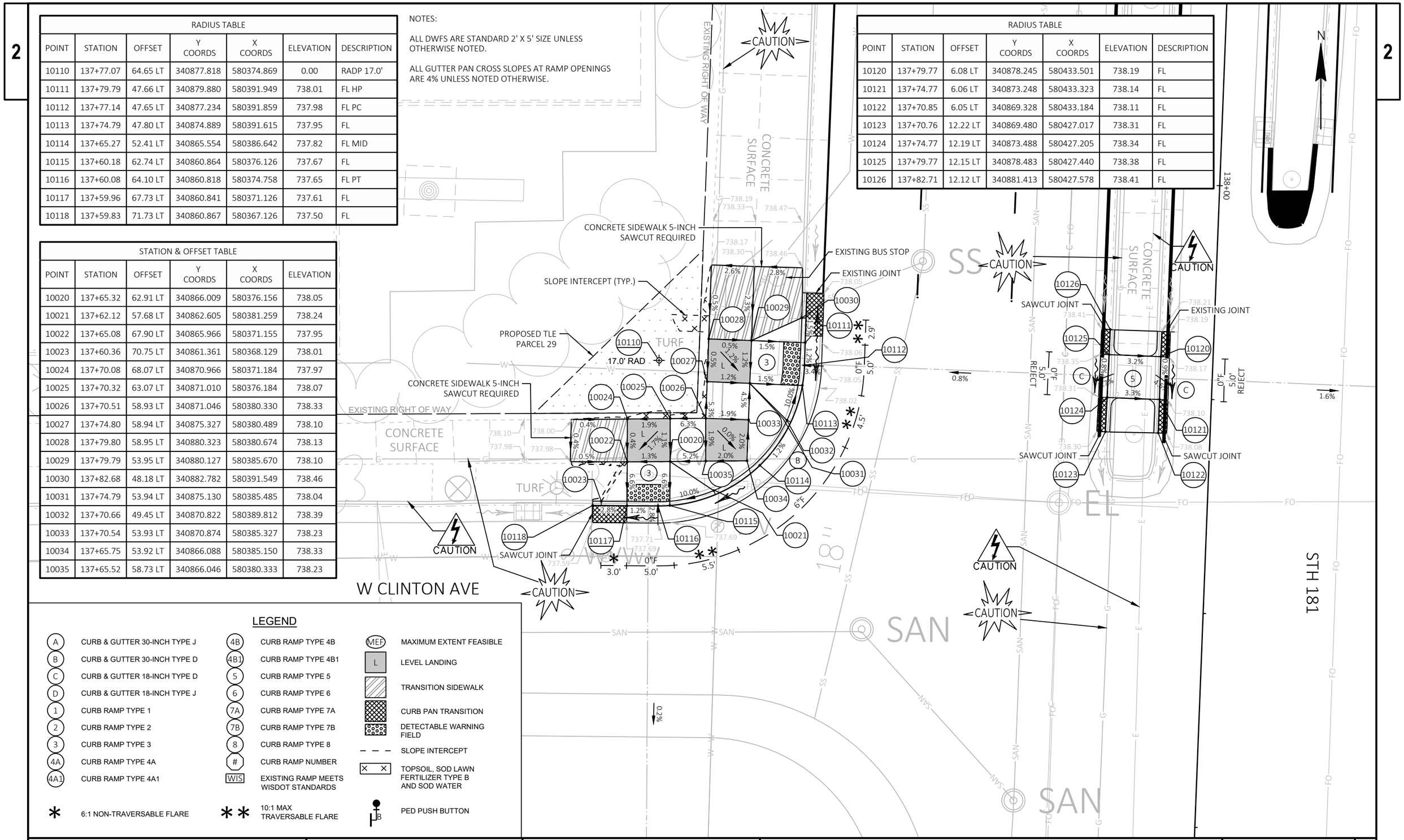
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
10020	137+65.32	62.91 LT	340866.009	580376.156	738.05
10021	137+62.12	57.68 LT	340862.605	580381.259	738.24
10022	137+65.08	67.90 LT	340865.966	580371.155	737.95
10023	137+60.36	70.75 LT	340861.361	580368.129	738.01
10024	137+70.08	68.07 LT	340870.966	580371.184	737.97
10025	137+70.32	63.07 LT	340871.010	580376.184	738.07
10026	137+70.51	58.93 LT	340871.046	580380.330	738.33
10027	137+74.80	58.94 LT	340875.327	580380.489	738.10
10028	137+79.80	58.95 LT	340880.323	580380.674	738.13
10029	137+79.79	53.95 LT	340880.127	580385.670	738.10
10030	137+82.68	48.18 LT	340882.782	580391.549	738.46
10031	137+74.79	53.94 LT	340875.130	580385.485	738.04
10032	137+70.66	49.45 LT	340870.822	580389.812	738.39
10033	137+70.54	53.93 LT	340870.874	580385.327	738.23
10034	137+65.75	53.92 LT	340866.088	580385.150	738.33
10035	137+65.52	58.73 LT	340866.046	580380.333	738.23

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
10120	137+79.77	6.08 LT	340878.245	580433.501	738.19	FL
10121	137+74.77	6.06 LT	340873.248	580433.323	738.14	FL
10122	137+70.85	6.05 LT	340869.328	580433.184	738.11	FL
10123	137+70.76	12.22 LT	340869.480	580427.017	738.31	FL
10124	137+74.77	12.19 LT	340873.488	580427.205	738.34	FL
10125	137+79.77	12.15 LT	340878.483	580427.440	738.38	FL
10126	137+82.71	12.12 LT	340881.413	580427.578	738.41	FL



LEGEND

A	CURB & GUTTER 30-INCH TYPE J	4B	CURB RAMP TYPE 4B	MEF	MAXIMUM EXTENT FEASIBLE
B	CURB & GUTTER 30-INCH TYPE D	4B1	CURB RAMP TYPE 4B1	L	LEVEL LANDING
C	CURB & GUTTER 18-INCH TYPE D	5	CURB RAMP TYPE 5		TRANSITION SIDEWALK
D	CURB & GUTTER 18-INCH TYPE J	6	CURB RAMP TYPE 6		CURB PAN TRANSITION
1	CURB RAMP TYPE 1	7A	CURB RAMP TYPE 7A		DETECTABLE WARNING FIELD
2	CURB RAMP TYPE 2	7B	CURB RAMP TYPE 7B		
3	CURB RAMP TYPE 3	8	CURB RAMP TYPE 8		SLOPE INTERCEPT
4A	CURB RAMP TYPE 4A	#	CURB RAMP NUMBER		TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
4A1	CURB RAMP TYPE 4A1	WIS	EXISTING RAMP MEETS WISDOT STANDARDS	B	PED PUSH BUTTON
*	6:1 NON-TRAVERSABLE FLARE	**	10:1 MAX TRAVERSABLE FLARE		

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W CLINTON AVE	SHEET 77	E

2

2

N

STH 181

138+00

CAUTION

CONCRETE SURFACE

EXISTING RIGHT OF WAY

SEE OTHER W. CLINTON AVE DETAILS FOR INFORMATION

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

SAWCUT JOINT

PROPOSED TLE PARCEL 28

SLOPE INTERCEPT (TYP.)

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

TURF

1.6%

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
10130	137+83.74	48.06 RT	340880.113	580487.751	737.27	FL
10131	137+79.74	48.06 RT	340876.116	580487.594	737.26	FL
10132	137+74.74	48.05 RT	340871.120	580487.397	737.19	FL
10133	137+70.74	48.05 RT	340867.123	580487.240	737.14	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
10040	137+79.74	58.93 RT	340875.693	580498.457	737.60
10041	137+74.74	58.93 RT	340870.696	580498.262	737.53
10042	137+74.74	53.93 RT	340870.891	580493.265	737.46
10043	137+71.74	48.55 RT	340868.103	580487.779	737.65
10044	137+79.74	53.93 RT	340875.888	580493.460	737.53
10045	137+82.74	48.56 RT	340879.094	580488.211	737.77

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W CLINTON AVE	SHEET 78	E

2

N

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- [× ×] TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

SEE OTHER W. CLINTON AVE DETAILS FOR INFORMATION

137+00

CONCRETE SURFACE

CAUTION

EXISTING RIGHT OF WAY

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

SAWCUT JOINT

SLOPE INTERCEPT (TYP.)

PROPOSED TLE PARCEL 28

EXISTING BUS STOP

STH 181

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
10140	137+01.26	47.93 RT	340797.696	580484.426	736.55	FL
10141	136+97.26	47.94 RT	340793.699	580484.274	736.53	FL
10142	136+92.26	47.94 RT	340788.703	580484.084	736.51	FL
10143	136+86.92	47.94 RT	340783.370	580483.881	736.48	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
10050	136+97.28	58.86 RT	340793.301	580495.196	737.06
10051	136+92.28	58.88 RT	340788.304	580495.014	736.99
10052	136+92.27	53.88 RT	340788.486	580490.017	736.94
10053	136+87.76	48.44 RT	340784.188	580484.412	736.99
10054	136+97.27	53.86 RT	340793.483	580490.199	736.99
10055	137+00.26	48.43 RT	340796.678	580484.888	737.05

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W CLINTON AVE	SHEET 79	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-2.DWG
LAYOUT NAME - 39
PLOT DATE : 4/23/2025 3:35 PM
PLOT BY : NICHOLAS TRAUB
PLOT NAME :
PLOT SCALE : 1:10 FT
WISDOT/CADDS SHEET 42

2

2

N

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- WIS EXISTING RAMP MEETS WISDOT STANDARDS
- MEF MAXIMUM EXTENT FEASIBLE
- L LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PB PED PUSH BUTTON

144+00

STH 181

CAUTION

CAUTION

CAUTION

EXISTING JOINT

SAWCUT JOINT

EXISTING RIGHT OF WAY

EXISTING RIGHT OF WAY

PROPOSED TLE PARCEL 30

SLOPE INTERCEPT (TYP.)

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

CONCRETE SURFACE

CONCRETE SURFACE

TURF

TURF

TURF

11000 11001 11002 11003 11004 11005 11100 11101 11102

746.27 746.08 746.02 746.11 745.50 745.55 745.45 745.38 745.27 745.62 745.68 745.42 745.39

1.8% 1.7% 2.3% 2.6% 6.6% 1.4% 2.0% 7.0% 2.1% 2.2% 1.2%

3.0 5.0 3.0 O'HF

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
11100	143+75.93	47.58 RT	341471.873	580510.247	745.43	FL
11101	143+70.93	47.56 RT	341466.878	580510.033	745.33	FL
11102	143+66.93	47.54 RT	341462.885	580509.861	745.24	FL

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
11000	143+75.97	59.04 RT	341471.470	580521.707	745.93
11001	143+70.97	59.06 RT	341466.473	580521.529	745.86
11002	143+70.95	54.06 RT	341466.650	580516.533	745.79
11003	143+67.93	48.04 RT	341463.859	580510.404	745.76
11004	143+75.95	54.04 RT	341471.647	580516.710	745.86
11005	143+78.93	48.09 RT	341474.848	580510.880	745.99

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - STA 143+75 (MIDBLOCK)	SHEET 80	E

2

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- 6:1 NON-TRAVERSABLE FLARE
- 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
11055	147+36.39	59.15 LT	341836.206	580417.587	754.11
11056	147+36.46	54.11 LT	341836.079	580422.621	754.06
11057	147+31.46	54.12 LT	341831.083	580422.423	753.98
11058	147+31.39	59.14 LT	341831.209	580417.403	754.03

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
11050	146+90.01	59.47 LT	341789.874	580415.470	753.11
11051	146+90.07	54.21 LT	341789.731	580420.722	753.09
11052	146+85.07	54.23 LT	341784.735	580420.514	753.03
11053	146+85.01	59.43 LT	341784.876	580415.316	753.05

CONCRETE SURFACE
754.95
754.84
754.77
754.70
CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED
EXISTING RIGHT OF WAY
TURF
TURF
1.4%
4.4%
4.3%
4B1
11055
11056
1.0%
1.5%
1.5%
1.0%
SLOPE INTERCEPT (TYP.)
11058
11057
754.03
753.98
CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED
STH 181
N
CAUTION
N 78TH ST
(SELLARS DRIVEWAY)
CONCRETE SURFACE
ASPHALTIC SURFACE
2.2%
CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED
11051
753.11
753.09
11050
0.4%
2.2%
1.2%
1.2%
L
0.4%
4B1
11052
TURF
753.05
753.03
11053
TURF
753.01
752.97
EXISTING RIGHT OF WAY
CONCRETE SURFACE
CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED
147+00
2

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - N 78TH ST (SELLARS DRIVEWAY)	SHEET 81	E

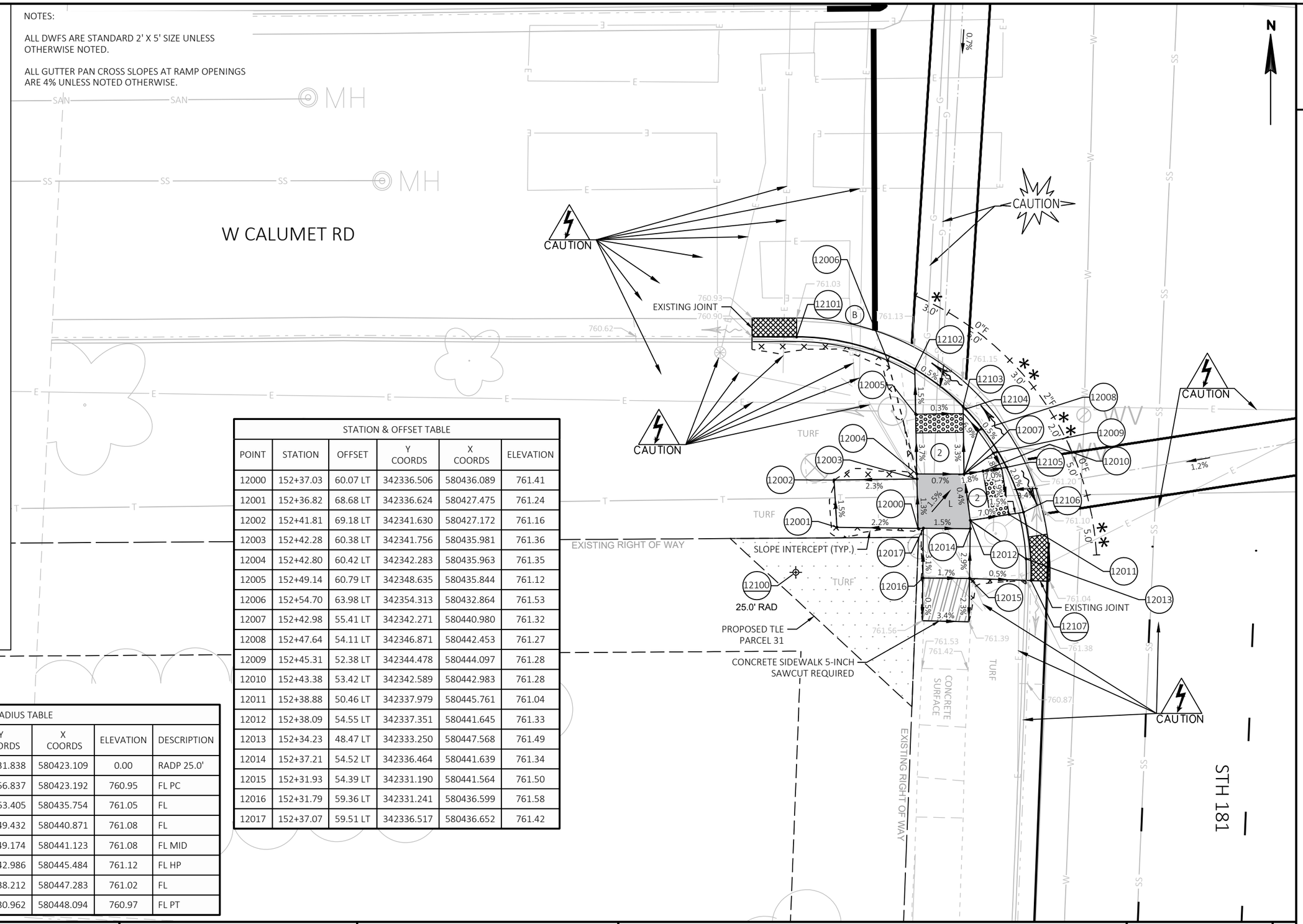
LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.



STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
12000	152+37.03	60.07 LT	342336.506	580436.089	761.41
12001	152+36.82	68.68 LT	342336.624	580427.475	761.24
12002	152+41.81	69.18 LT	342341.630	580427.172	761.16
12003	152+42.28	60.38 LT	342341.756	580435.981	761.36
12004	152+42.80	60.42 LT	342342.283	580435.963	761.35
12005	152+49.14	60.79 LT	342348.635	580435.844	761.12
12006	152+54.70	63.98 LT	342354.313	580432.864	761.53
12007	152+42.98	55.41 LT	342342.271	580440.980	761.32
12008	152+47.64	54.11 LT	342346.871	580442.453	761.27
12009	152+45.31	52.38 LT	342344.478	580444.097	761.28
12010	152+43.38	53.42 LT	342342.589	580442.983	761.28
12011	152+38.88	50.46 LT	342337.979	580445.761	761.04
12012	152+38.09	54.55 LT	342337.351	580441.645	761.33
12013	152+34.23	48.47 LT	342333.250	580447.568	761.49
12014	152+37.21	54.52 LT	342336.464	580441.639	761.34
12015	152+31.93	54.39 LT	342331.190	580441.564	761.50
12016	152+31.79	59.36 LT	342331.241	580436.599	761.58
12017	152+37.07	59.51 LT	342336.517	580436.652	761.42

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
12100	152+31.87	72.86 LT	342331.838	580423.109	0.00	RADP 25.0'
12101	152+56.85	73.75 LT	342356.837	580423.192	760.95	FL PC
12102	152+53.91	61.06 LT	342353.405	580435.754	761.05	FL
12103	152+50.14	55.79 LT	342349.432	580440.871	761.08	FL
12104	152+49.89	55.53 LT	342349.174	580441.123	761.08	FL MID
12105	152+43.87	50.93 LT	342342.986	580445.484	761.12	FL HP
12106	152+39.17	48.95 LT	342338.212	580447.283	761.02	FL
12107	152+31.96	47.86 LT	342330.962	580448.094	760.97	FL PT

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W CALUMET RD	SHEET 82	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-3.DWG
LAYOUT NAME - 41

PLOT DATE : 4/23/2025 3:48 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1:10 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- [× ×] TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

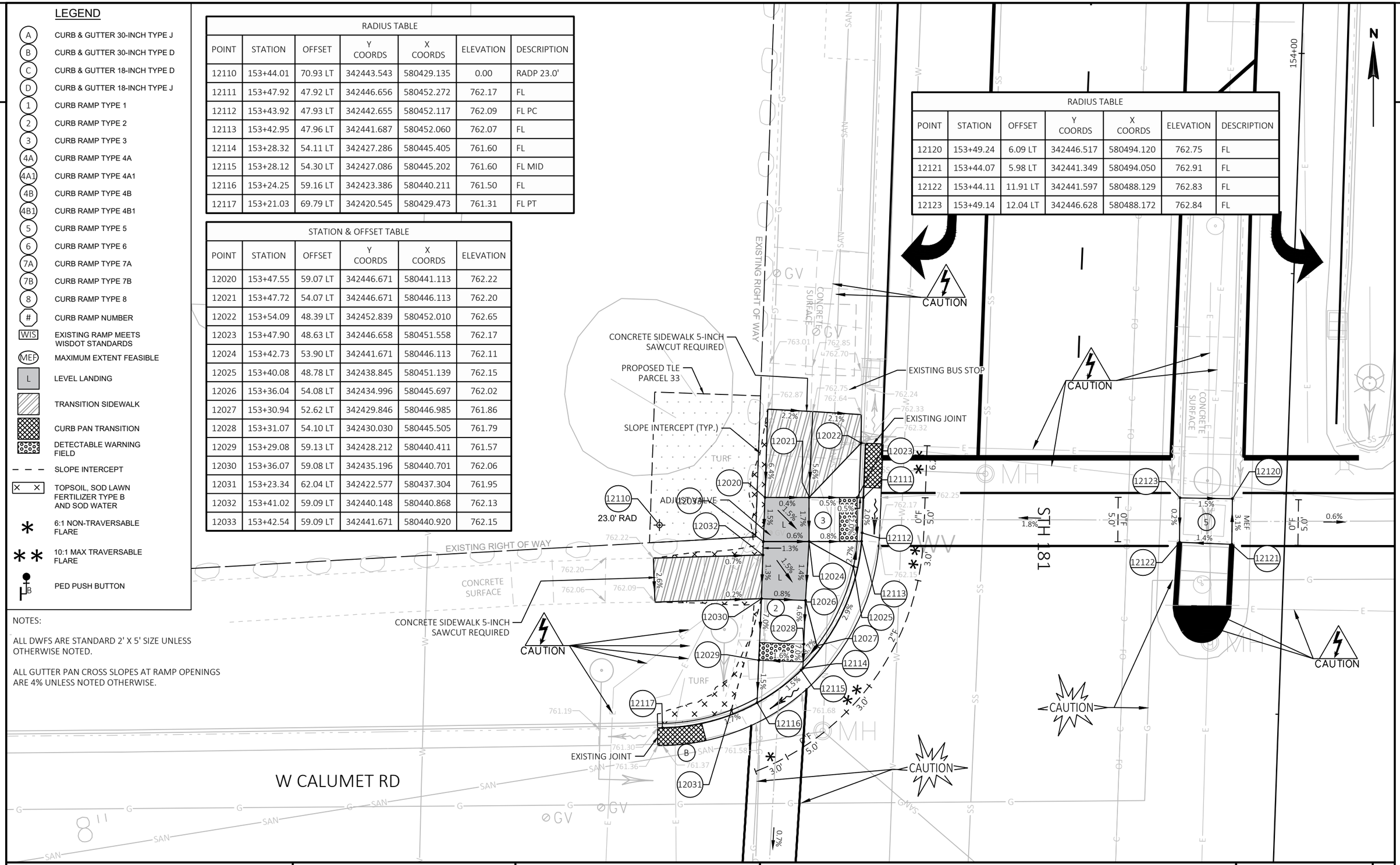
ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
12110	153+44.01	70.93 LT	342443.543	580429.135	0.00	RADP 23.0'
12111	153+47.92	47.92 LT	342446.656	580452.272	762.17	FL
12112	153+43.92	47.93 LT	342442.655	580452.117	762.09	FL PC
12113	153+42.95	47.96 LT	342441.687	580452.060	762.07	FL
12114	153+28.32	54.11 LT	342427.286	580445.405	761.60	FL
12115	153+28.12	54.30 LT	342427.086	580445.202	761.60	FL MID
12116	153+24.25	59.16 LT	342423.386	580440.211	761.50	FL
12117	153+21.03	69.79 LT	342420.545	580429.473	761.31	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
12020	153+47.55	59.07 LT	342446.671	580441.113	762.22
12021	153+47.72	54.07 LT	342446.671	580446.113	762.20
12022	153+54.09	48.39 LT	342452.839	580452.010	762.65
12023	153+47.90	48.63 LT	342446.658	580451.558	762.17
12024	153+42.73	53.90 LT	342441.671	580446.113	762.11
12025	153+40.08	48.78 LT	342438.845	580451.139	762.15
12026	153+36.04	54.08 LT	342434.996	580445.697	762.02
12027	153+30.94	52.62 LT	342429.846	580446.985	761.86
12028	153+31.07	54.10 LT	342430.030	580445.505	761.79
12029	153+29.08	59.13 LT	342428.212	580440.411	761.57
12030	153+36.07	59.08 LT	342435.196	580440.701	762.06
12031	153+23.34	62.04 LT	342422.577	580437.304	761.95
12032	153+41.02	59.09 LT	342440.148	580440.868	762.13
12033	153+42.54	59.09 LT	342441.671	580440.920	762.15

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
12120	153+49.24	6.09 LT	342446.517	580494.120	762.75	FL
12121	153+44.07	5.98 LT	342441.349	580494.050	762.91	FL
12122	153+44.11	11.91 LT	342441.597	580488.129	762.83	FL
12123	153+49.14	12.04 LT	342446.628	580488.172	762.84	FL



PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W CALUMET RD	SHEET 83	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-3.DWG
LAYOUT NAME - 42

PLOT DATE : 4/23/2025 3:48 PM

PLOT BY : NICHOLAS TRAUB

PLOT SCALE : 1:10 FT

WISDOT/CADDS SHEET 42

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
12130	153+59.49	73.88 RT	342453.985	580574.399	0.00	RADP 26.0'
12131	153+33.50	74.21 RT	342427.991	580573.819	761.85	FL PC
12132	153+33.65	71.00 RT	342428.260	580570.622	761.91	FL
12133	153+34.72	66.00 RT	342429.495	580565.665	762.00	FL
12134	153+40.94	55.66 RT	342436.081	580555.545	762.24	FL MID
12135	153+46.40	51.42 RT	342441.680	580551.492	762.38	FL
12136	153+51.30	49.21 RT	342446.654	580549.453	762.45	FL
12137	153+59.35	47.88 RT	342454.749	580548.410	762.60	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
12035	153+42.63	70.94 RT	342437.232	580570.872	762.18
12036	153+37.63	70.98 RT	342432.235	580570.734	762.10
12037	153+35.29	70.99 RT	342429.898	580570.668	761.94
12038	153+33.99	73.99 RT	342428.496	580573.624	762.35
12039	153+37.59	65.98 RT	342432.374	580565.736	762.20
12040	153+36.24	63.41 RT	342431.111	580563.124	762.24
12041	153+37.45	61.06 RT	342432.401	580560.817	762.29
12042	153+42.27	55.08 RT	342437.421	580555.010	762.44
12043	153+46.47	53.99 RT	342441.658	580554.067	762.51
12044	153+44.20	53.48 RT	342439.411	580553.474	762.49
12045	153+51.39	51.86 RT	342446.656	580552.110	762.49
12046	153+51.46	53.86 RT	342446.657	580554.110	762.61
12047	153+54.30	48.92 RT	342449.659	580549.268	763.02
12048	153+51.64	58.86 RT	342446.656	580559.110	762.65
12049	153+46.64	58.99 RT	342441.657	580559.067	762.57
12050	153+45.90	58.99 RT	342440.917	580559.040	762.55
12051	153+42.58	63.97 RT	342437.427	580563.901	762.32
12052	153+42.59	65.92 RT	342437.372	580565.850	762.24

STH 181

EXISTING RIGHT OF WAY

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

EXISTING JOINT

12130 26.0' RAD

PROPOSED TLE PARCEL 34

SLOPE INTERCEPT (TYP.)

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

EXISTING RIGHT OF WAY

CONCRETE SURFACE

ASPHALTIC SURFACE

TURF

CAUTION

W CALUMET RD

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PB — PED PUSH BUTTON

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W CALUMET RD	SHEET 84	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-3.DWG
LAYOUT NAME - 43

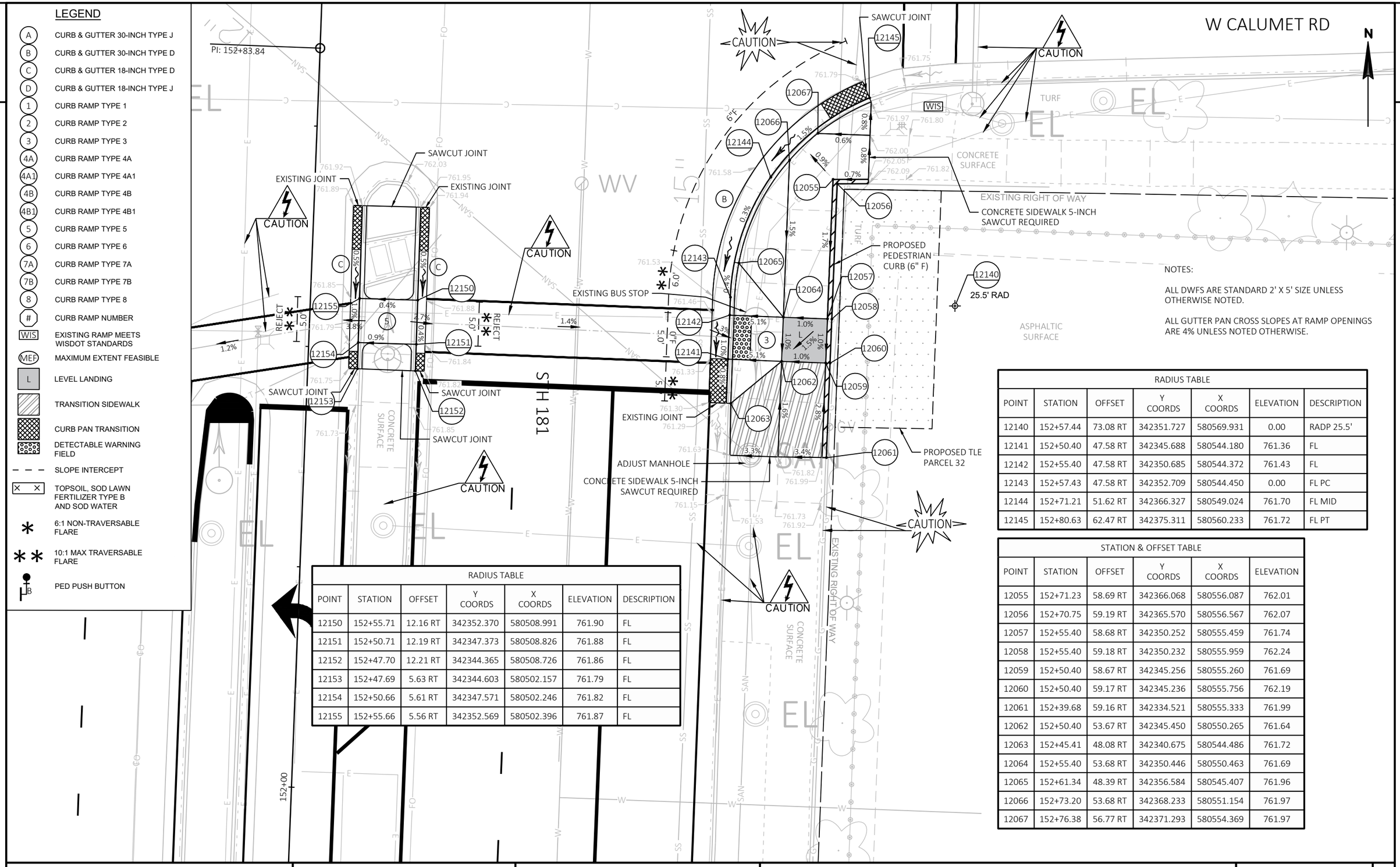
PLOT DATE : 4/23/2025 3:48 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1:10 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON



NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
12140	152+57.44	73.08 RT	342351.727	580569.931	0.00	RADP 25.5'
12141	152+50.40	47.58 RT	342345.688	580544.180	761.36	FL
12142	152+55.40	47.58 RT	342350.685	580544.372	761.43	FL
12143	152+57.43	47.58 RT	342352.709	580544.450	0.00	FL PC
12144	152+71.21	51.62 RT	342366.327	580549.024	761.70	FL MID
12145	152+80.63	62.47 RT	342375.311	580560.233	761.72	FL PT

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
12055	152+71.23	58.69 RT	342366.068	580556.087	762.01
12056	152+70.75	59.19 RT	342365.570	580556.567	762.07
12057	152+55.40	58.68 RT	342350.252	580555.459	761.74
12058	152+55.40	59.18 RT	342350.232	580555.959	762.24
12059	152+50.40	58.67 RT	342345.256	580555.260	761.69
12060	152+50.40	59.17 RT	342345.236	580555.756	762.19
12061	152+39.68	59.16 RT	342334.521	580555.333	761.99
12062	152+50.40	53.67 RT	342345.450	580550.265	761.64
12063	152+45.41	48.08 RT	342340.675	580544.486	761.72
12064	152+55.40	53.68 RT	342350.446	580550.463	761.69
12065	152+61.34	48.39 RT	342356.584	580545.407	761.96
12066	152+73.20	53.68 RT	342368.233	580551.154	761.97
12067	152+76.38	56.77 RT	342371.293	580554.369	761.97

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
12150	152+55.71	12.16 RT	342352.370	580508.991	761.90	FL
12151	152+50.71	12.19 RT	342347.373	580508.826	761.88	FL
12152	152+47.70	12.21 RT	342344.365	580508.726	761.86	FL
12153	152+47.69	5.63 RT	342344.603	580502.157	761.79	FL
12154	152+50.66	5.61 RT	342347.571	580502.246	761.82	FL
12155	152+55.66	5.56 RT	342352.569	580502.396	761.87	FL

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W CALUMET RD	SHEET 85	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-3.DWG
LAYOUT NAME - 44

PLOT DATE : 4/23/2025 3:49 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1:10 FT

WISDOT/CADDS SHEET 42

2

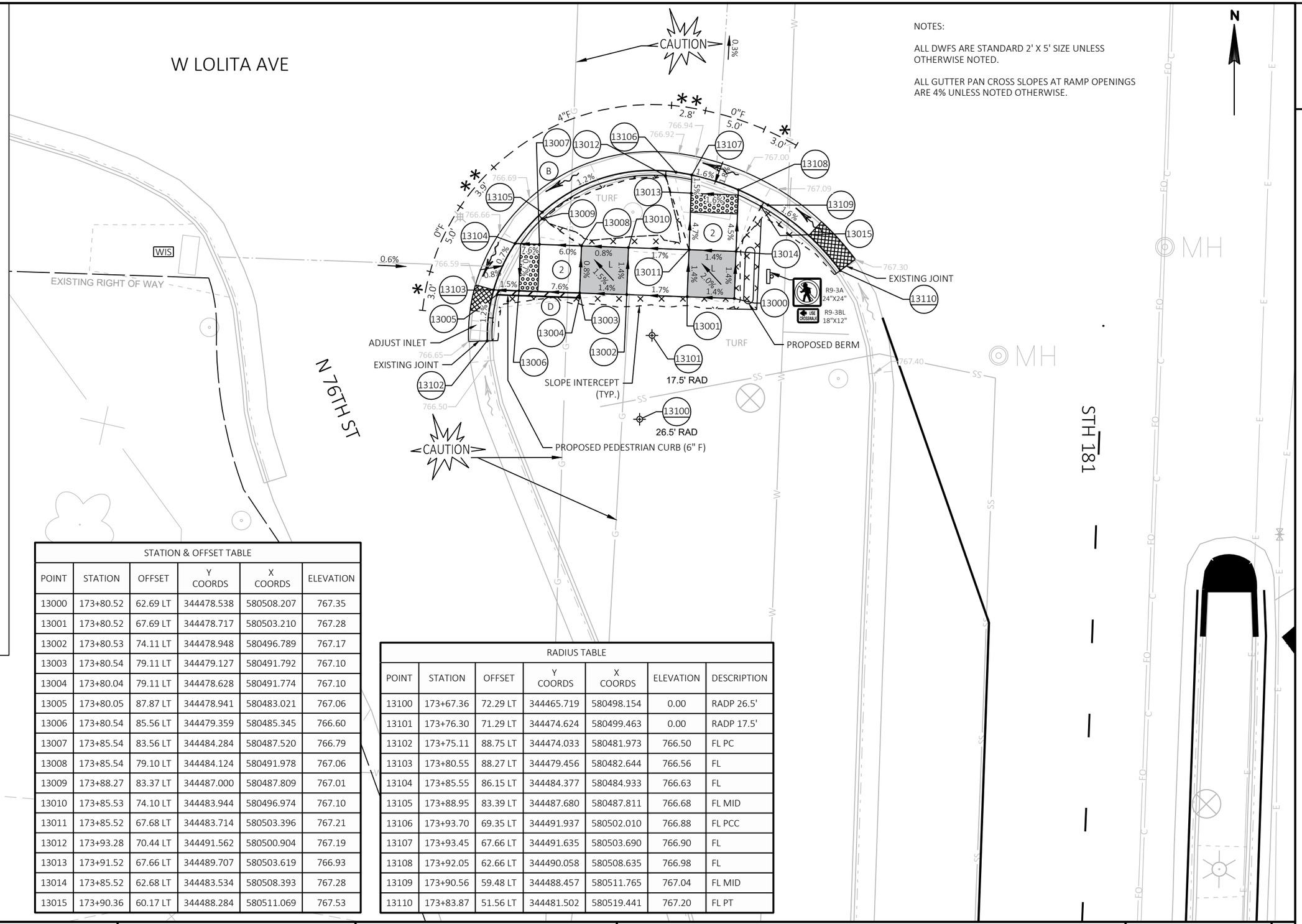
LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- [× ×] TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.



STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
13000	173+80.52	62.69 LT	344478.538	580508.207	767.35
13001	173+80.52	67.69 LT	344478.717	580503.210	767.28
13002	173+80.53	74.11 LT	344478.948	580496.789	767.17
13003	173+80.54	79.11 LT	344479.127	580491.792	767.10
13004	173+80.04	79.11 LT	344478.628	580491.774	767.10
13005	173+80.05	87.87 LT	344478.941	580483.021	767.06
13006	173+80.54	85.56 LT	344479.359	580485.345	766.60
13007	173+85.54	83.56 LT	344484.284	580487.520	766.79
13008	173+85.54	79.10 LT	344484.124	580491.978	767.06
13009	173+88.27	83.37 LT	344487.000	580487.809	767.01
13010	173+85.53	74.10 LT	344483.944	580496.974	767.10
13011	173+85.52	67.68 LT	344483.714	580503.396	767.21
13012	173+93.28	70.44 LT	344491.562	580500.904	767.19
13013	173+91.52	67.66 LT	344489.707	580503.619	766.93
13014	173+85.52	62.68 LT	344483.534	580508.393	767.28
13015	173+90.36	60.17 LT	344488.284	580511.069	767.53

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
13100	173+67.36	72.29 LT	344465.719	580498.154	0.00	RADP 26.5'
13101	173+76.30	71.29 LT	344474.624	580499.463	0.00	RADP 17.5'
13102	173+75.11	88.75 LT	344474.033	580481.973	766.50	FL PC
13103	173+80.55	88.27 LT	344479.456	580482.644	766.56	FL
13104	173+85.55	86.15 LT	344484.377	580484.933	766.63	FL
13105	173+88.95	83.39 LT	344487.680	580487.811	766.68	FL MID
13106	173+93.70	69.35 LT	344491.937	580502.010	766.88	FL PCC
13107	173+93.45	67.66 LT	344491.635	580503.690	766.90	FL
13108	173+92.05	62.66 LT	344490.058	580508.635	766.98	FL
13109	173+90.56	59.48 LT	344488.457	580511.765	767.04	FL MID
13110	173+83.87	51.56 LT	344481.502	580519.441	767.20	FL PT

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W LOLITA AVE	SHEET 86	E

2

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- 6:1 NON-TRAVERSABLE FLARE
- 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
13020	174+50.95	58.63 LT	344548.785	580514.708	767.35
13021	174+50.95	59.13 LT	344548.802	580514.208	767.58
13022	174+50.95	53.63 LT	344548.613	580519.705	767.30
13023	174+50.94	49.52 LT	344548.455	580523.816	767.17
13024	174+45.95	53.63 LT	344543.616	580519.533	767.28
13025	174+45.95	58.63 LT	344543.788	580514.536	767.33
13026	174+45.95	59.13 LT	344543.805	580514.036	767.66
13027	174+39.57	52.69 LT	344537.200	580520.254	767.25
13028	174+39.57	53.67 LT	344537.237	580519.275	767.24
13029	174+39.56	58.64 LT	344537.401	580514.308	767.17

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
13030	174+40.06	59.14 LT	344537.918	580513.826	767.50
13031	174+39.56	61.11 LT	344537.483	580511.835	767.14
13032	174+40.06	61.07 LT	344537.982	580511.891	767.51
13033	174+34.39	61.26 LT	344532.322	580511.507	767.09
13034	174+31.43	66.35 LT	344529.545	580506.321	766.90
13035	174+34.55	66.26 LT	344532.659	580506.518	767.12
13036	174+39.55	66.12 LT	344537.648	580506.835	767.19
13037	174+40.04	66.12 LT	344538.146	580506.851	767.52
13038	174+34.53	75.08 LT	344532.947	580497.696	767.46
13039	174+39.53	75.09 LT	344537.944	580497.861	767.53

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
13040	174+40.04	75.09 LT	344538.454	580497.878	767.63
13041	174+64.83	59.11 LT	344562.674	580514.713	767.76
13042	174+55.95	48.05 LT	344553.416	580525.460	766.62
13043	174+45.94	51.54 LT	344543.535	580521.627	767.24
13044	174+44.62	50.03 LT	344542.163	580523.092	767.32
13045	174+38.19	53.67 LT	344535.859	580519.226	767.23
13046	174+34.25	57.32 LT	344532.049	580515.436	767.16
13047	174+32.27	59.84 LT	344530.159	580512.853	767.12
13048	174+33.29	61.29 LT	344531.233	580511.438	767.08
13049	174+28.03	69.43 LT	344526.251	580503.120	767.31

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
13120	174+54.83	75.56 LT	344553.248	580497.928	0.00	RADP 28.0'
13121	174+55.95	47.55 LT	344553.396	580525.960	767.12	FL
13122	174+54.62	47.56 LT	344552.068	580525.903	0.00	FL PC
13123	174+50.93	47.83 LT	344548.390	580525.502	767.14	FL
13124	174+45.93	49.01 LT	344543.438	580524.151	767.17	FL HP
13125	174+37.33	53.71 LT	344534.999	580519.158	767.05	FL MID
13126	174+30.70	61.37 LT	344528.641	580511.273	766.92	FL
13127	174+28.36	66.44 LT	344526.483	580506.126	766.85	FL
13128	174+27.56	69.24 LT	344525.775	580503.292	766.81	FL PT

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
13050	174+45.61	5.83 LT	344541.609	580567.292	768.19
13051	174+45.60	12.06 LT	344541.822	580561.067	767.97
13052	174+50.60	12.10 LT	344546.821	580561.198	767.92
13053	174+50.61	5.98 LT	344546.611	580567.323	768.18

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

W LOLITA AVE

EXISTING RIGHT OF WAY

SLOPE INTERCEPT (TYP.)

PROPOSED TLE PARCEL 35

PROPOSED PEDESTRIAN CURB (3" F)

28.0' RAD

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

EXISTING BUS STOP

SAWCUT JOINT

ADJUST VALVE

EXISTING JOINT

ASPHALTIC SURFACE

CONCRETE SURFACE

TURF

CAUTION

STH 181

175+00

N

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W LOLITA AVE	SHEET 87	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-3.DWG
LAYOUT NAME - 46

PLOT DATE : 4/23/2025 3:49 PM

PLOT BY : NICHOLAS TRAUB

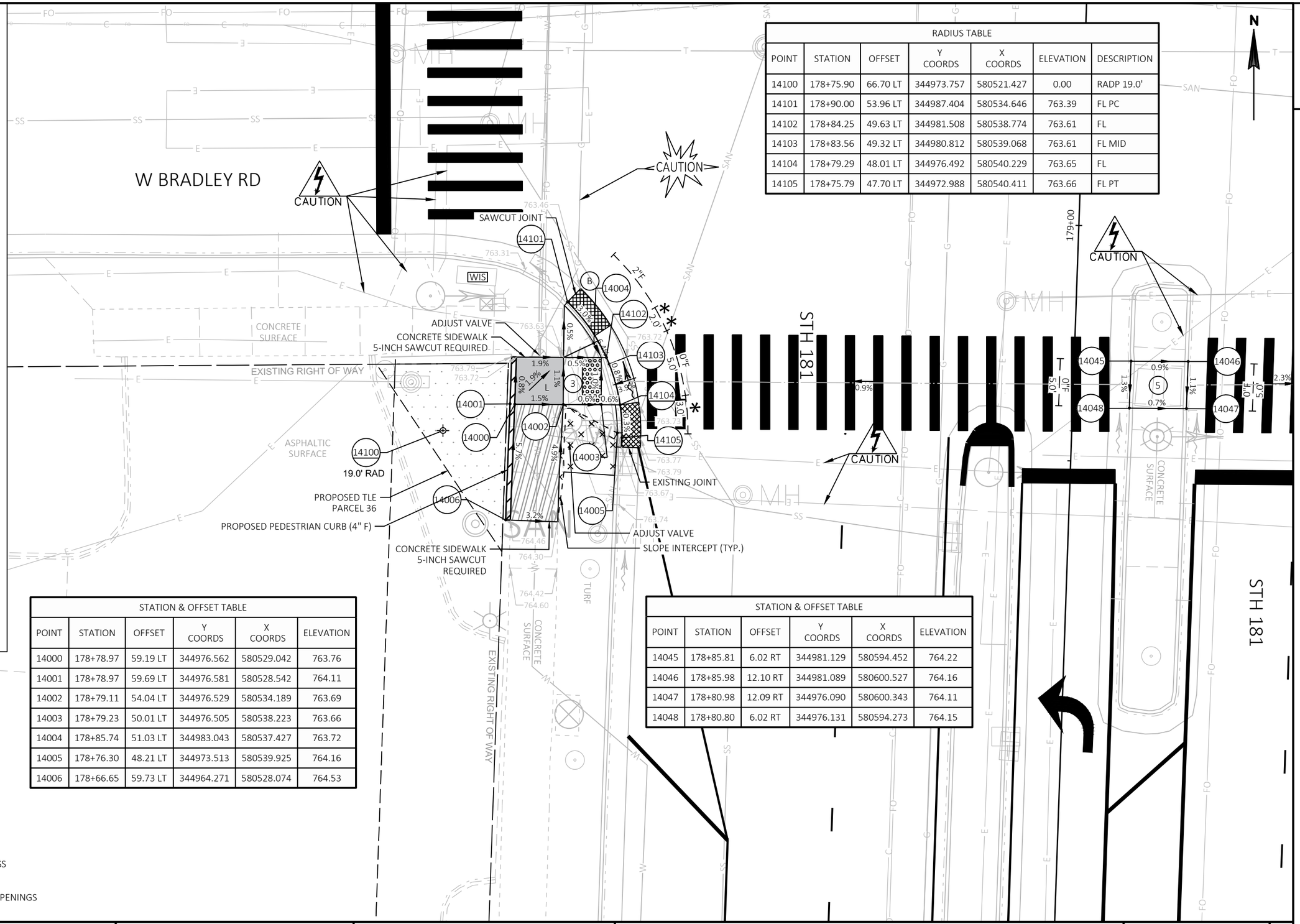
PLOT SCALE : 1:10 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- [× ×] TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
14100	178+75.90	66.70 LT	344973.757	580521.427	0.00	RADP 19.0'
14101	178+90.00	53.96 LT	344987.404	580534.646	763.39	FL PC
14102	178+84.25	49.63 LT	344981.508	580538.774	763.61	FL
14103	178+83.56	49.32 LT	344980.812	580539.068	763.61	FL MID
14104	178+79.29	48.01 LT	344976.492	580540.229	763.65	FL
14105	178+75.79	47.70 LT	344972.988	580540.411	763.66	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
14000	178+78.97	59.19 LT	344976.562	580529.042	763.76
14001	178+78.97	59.69 LT	344976.581	580528.542	764.11
14002	178+79.11	54.04 LT	344976.529	580534.189	763.69
14003	178+79.23	50.01 LT	344976.505	580538.223	763.66
14004	178+85.74	51.03 LT	344983.043	580537.427	763.72
14005	178+76.30	48.21 LT	344973.513	580539.925	764.16
14006	178+66.65	59.73 LT	344964.271	580528.074	764.53

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
14045	178+85.81	6.02 RT	344981.129	580594.452	764.22
14046	178+85.98	12.10 RT	344981.089	580600.527	764.16
14047	178+80.98	12.09 RT	344976.090	580600.343	764.11
14048	178+80.80	6.02 RT	344976.131	580594.273	764.15

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W BRADLEY RD	SHEET 88	E

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- 6:1 NON-TRAVERSABLE FLARE
- 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
14010	179+96.01	58.84 LT	345092.383	580532.338	763.34
14011	179+96.02	59.34 LT	345092.400	580531.838	763.84
14012	180+01.15	58.65 LT	345097.517	580532.606	763.56
14013	180+01.16	59.14 LT	345097.537	580532.106	763.86
14014	180+01.08	53.65 LT	345097.376	580537.604	763.48
14015	179+88.41	54.72 LT	345084.723	580536.338	763.25
14016	179+88.32	58.76 LT	345084.693	580532.299	763.27
14017	179+91.07	54.76 LT	345087.383	580536.338	763.26
14018	179+91.01	58.80 LT	345087.383	580532.299	763.29
14019	179+93.29	58.84 LT	345089.657	580532.295	763.32

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
14110	180+03.53	68.23 LT	345100.040	580523.054	0.00	RADP 21.0'
14111	180+03.75	47.23 LT	345099.950	580544.054	763.13	FL PC
14112	179+96.15	48.57 LT	345092.364	580542.601	763.19	FL HP
14113	179+91.12	51.29 LT	345087.378	580539.807	763.09	FL
14114	179+88.95	53.12 LT	345085.234	580537.947	763.08	FL MID
14115	179+82.97	63.95 LT	345079.420	580527.030	763.01	FL
14116	179+82.54	67.71 LT	345079.041	580523.268	762.98	FL PT
14117	179+82.51	68.95 LT	345079.028	580522.026	762.97	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
14020	179+93.78	59.34 LT	345090.157	580531.803	763.82
14021	179+93.21	64.18 LT	345089.654	580526.953	763.36
14022	179+93.71	64.19 LT	345090.154	580526.955	763.86
14023	179+88.21	64.07 LT	345084.655	580526.990	763.29
14024	179+83.36	68.97 LT	345079.881	580522.020	762.98
14025	179+88.10	69.07 LT	345084.618	580521.990	763.31
14026	179+93.16	69.18 LT	345089.688	580521.953	763.39
14027	179+93.66	69.18 LT	345090.188	580521.956	763.89
14028	180+07.48	59.09 LT	345103.853	580532.260	763.90
14029	179+96.07	54.84 LT	345092.383	580536.338	763.34

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
14030	180+01.05	47.88 LT	345097.260	580543.364	763.65
14031	179+96.11	52.00 LT	345092.375	580539.176	763.24
14032	179+91.09	53.93 LT	345087.382	580537.175	763.19
14033	179+89.90	52.93 LT	345086.179	580538.158	763.25
14034	179+85.37	58.72 LT	345081.743	580532.299	763.21
14035	179+84.26	61.24 LT	345080.669	580529.763	763.20
14036	179+85.48	64.01 LT	345081.927	580527.011	763.18
14037	179+82.93	71.93 LT	345079.498	580519.048	762.92

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
14040	179+90.94	6.29 LT	345086.530	580584.806	764.04
14041	179+90.89	11.53 LT	345086.553	580579.563	763.77
14042	179+96.86	11.51 LT	345092.524	580579.669	764.10
14043	179+96.81	6.19 LT	345092.399	580584.988	763.70

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

EXISTING RIGHT OF WAY

PROPOSED TLE PARCEL 38

PROPOSED PEDESTRIAN CURB (6" F)

SLOPE INTERCEPT (TYP.)

EXISTING JOINT

EXISTING BUS STOP

ADJUST WATER VALVE

21.0' RAD

STH 181

W BRADLEY RD

ASPHALTIC SURFACE

CONCRETE SURFACE

TURF

CAUTION

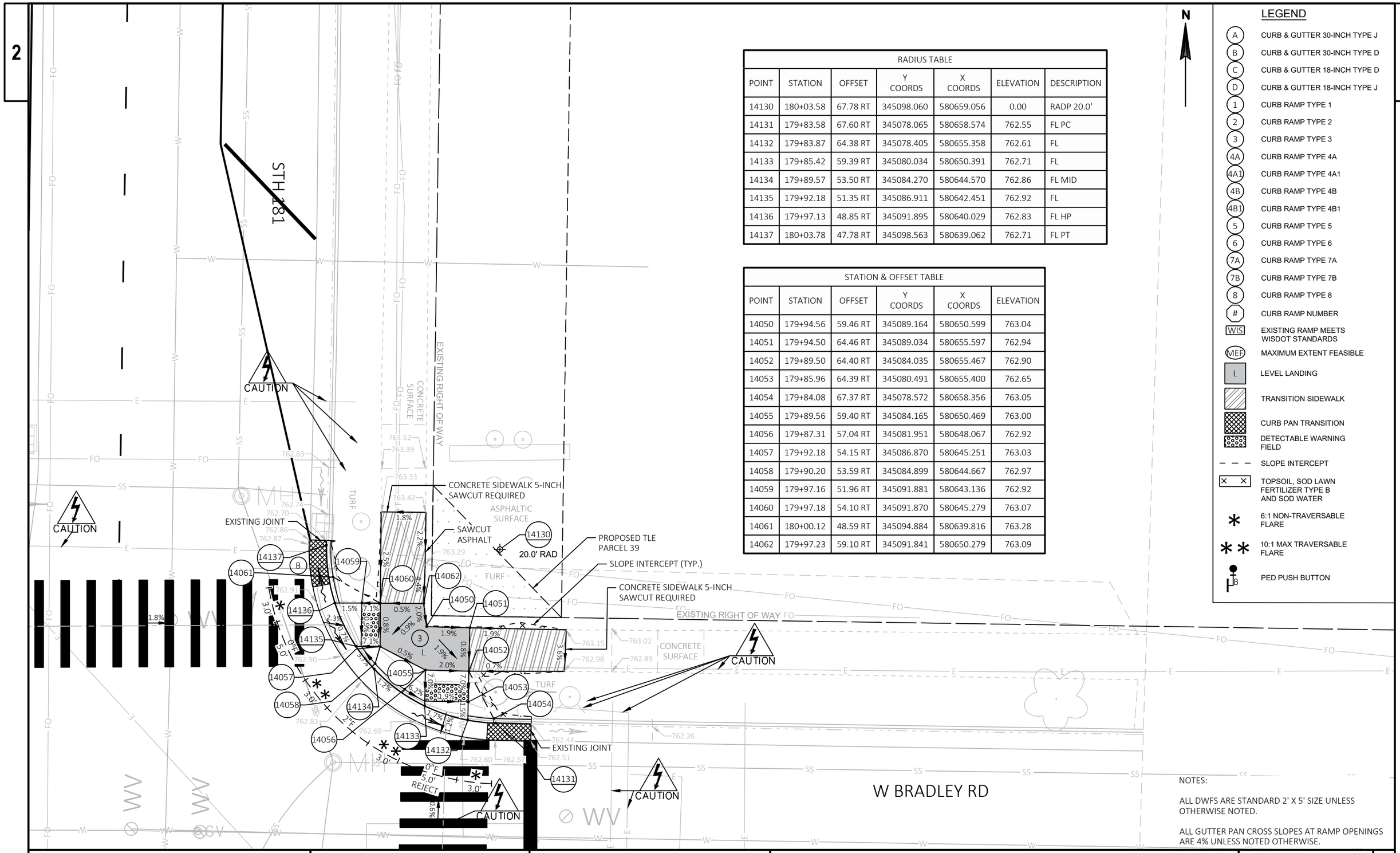
NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W BRADLEY RD	SHEET 89	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-3.DWG
LAYOUT NAME - 48
PLOT DATE : 4/23/2025 3:49 PM
PLOT BY : NICHOLAS TRAUB
PLOT SCALE : 1:10 FT
WISDOT/CADDS SHEET 42



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
14130	180+03.58	67.78 RT	345098.060	580659.056	0.00	RADP 20.0'
14131	179+83.58	67.60 RT	345078.065	580658.574	762.55	FL PC
14132	179+83.87	64.38 RT	345078.405	580655.358	762.61	FL
14133	179+85.42	59.39 RT	345080.034	580650.391	762.71	FL
14134	179+89.57	53.50 RT	345084.270	580644.570	762.86	FL MID
14135	179+92.18	51.35 RT	345086.911	580642.451	762.92	FL
14136	179+97.13	48.85 RT	345091.895	580640.029	762.83	FL HP
14137	180+03.78	47.78 RT	345098.563	580639.062	762.71	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
14050	179+94.56	59.46 RT	345089.164	580650.599	763.04
14051	179+94.50	64.46 RT	345089.034	580655.597	762.94
14052	179+89.50	64.40 RT	345084.035	580655.467	762.90
14053	179+85.96	64.39 RT	345080.491	580655.400	762.65
14054	179+84.08	67.37 RT	345078.572	580658.356	763.05
14055	179+89.56	59.40 RT	345084.165	580650.469	763.00
14056	179+87.31	57.04 RT	345081.951	580648.067	762.92
14057	179+92.18	54.15 RT	345086.870	580645.251	763.03
14058	179+90.20	53.59 RT	345084.899	580644.667	762.97
14059	179+97.16	51.96 RT	345091.881	580643.136	762.92
14060	179+97.18	54.10 RT	345091.870	580645.279	763.07
14061	180+00.12	48.59 RT	345094.884	580639.816	763.28
14062	179+97.23	59.10 RT	345091.841	580650.279	763.09

N

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- 6:1 NON-TRAVERSABLE FLARE
- 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

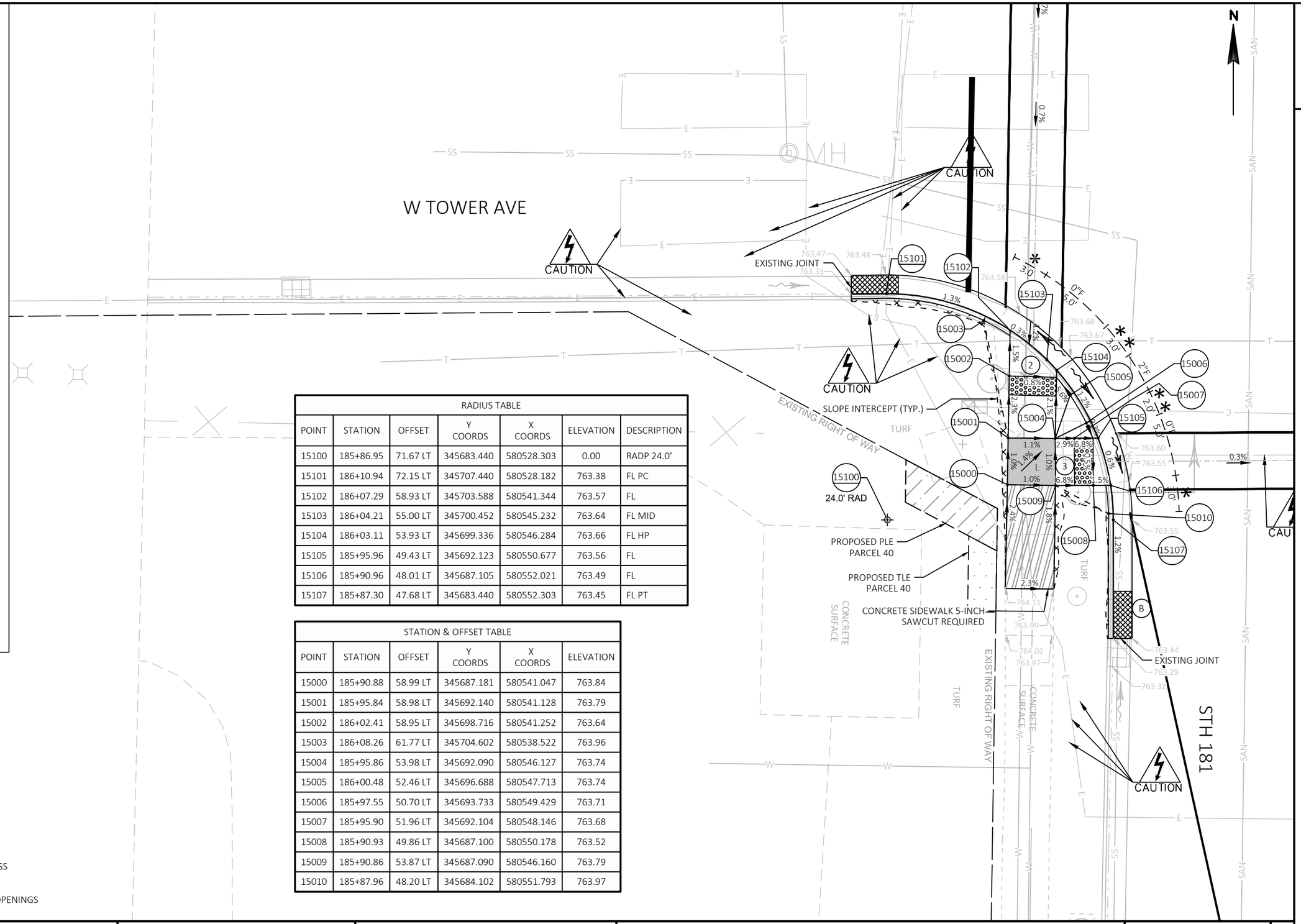
ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W BRADLEY RD	SHEET 90	E

2

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
15100	185+86.95	71.67 LT	345683.440	580528.303	0.00	RADP 24.0'
15101	186+10.94	72.15 LT	345707.440	580528.182	763.38	FL PC
15102	186+07.29	58.93 LT	345703.588	580541.344	763.57	FL
15103	186+04.21	55.00 LT	345700.452	580545.232	763.64	FL MID
15104	186+03.11	53.93 LT	345699.336	580546.284	763.66	FL HP
15105	185+95.96	49.43 LT	345692.123	580550.677	763.56	FL
15106	185+90.96	48.01 LT	345687.105	580552.021	763.49	FL
15107	185+87.30	47.68 LT	345683.440	580552.303	763.45	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
15000	185+90.88	58.99 LT	345687.181	580541.047	763.84
15001	185+95.84	58.98 LT	345692.140	580541.128	763.79
15002	186+02.41	58.95 LT	345698.716	580541.252	763.64
15003	186+08.26	61.77 LT	345704.602	580538.522	763.96
15004	185+95.86	53.98 LT	345692.090	580546.127	763.74
15005	186+00.48	52.46 LT	345696.688	580547.713	763.74
15006	185+97.55	50.70 LT	345693.733	580549.429	763.71
15007	185+95.90	51.96 LT	345692.104	580548.146	763.68
15008	185+90.93	49.86 LT	345687.100	580550.178	763.52
15009	185+90.86	53.87 LT	345687.090	580546.160	763.79
15010	185+87.96	48.20 LT	345684.102	580551.793	763.97

NOTES:

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ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W TOWER AVE	SHEET 91	E

2

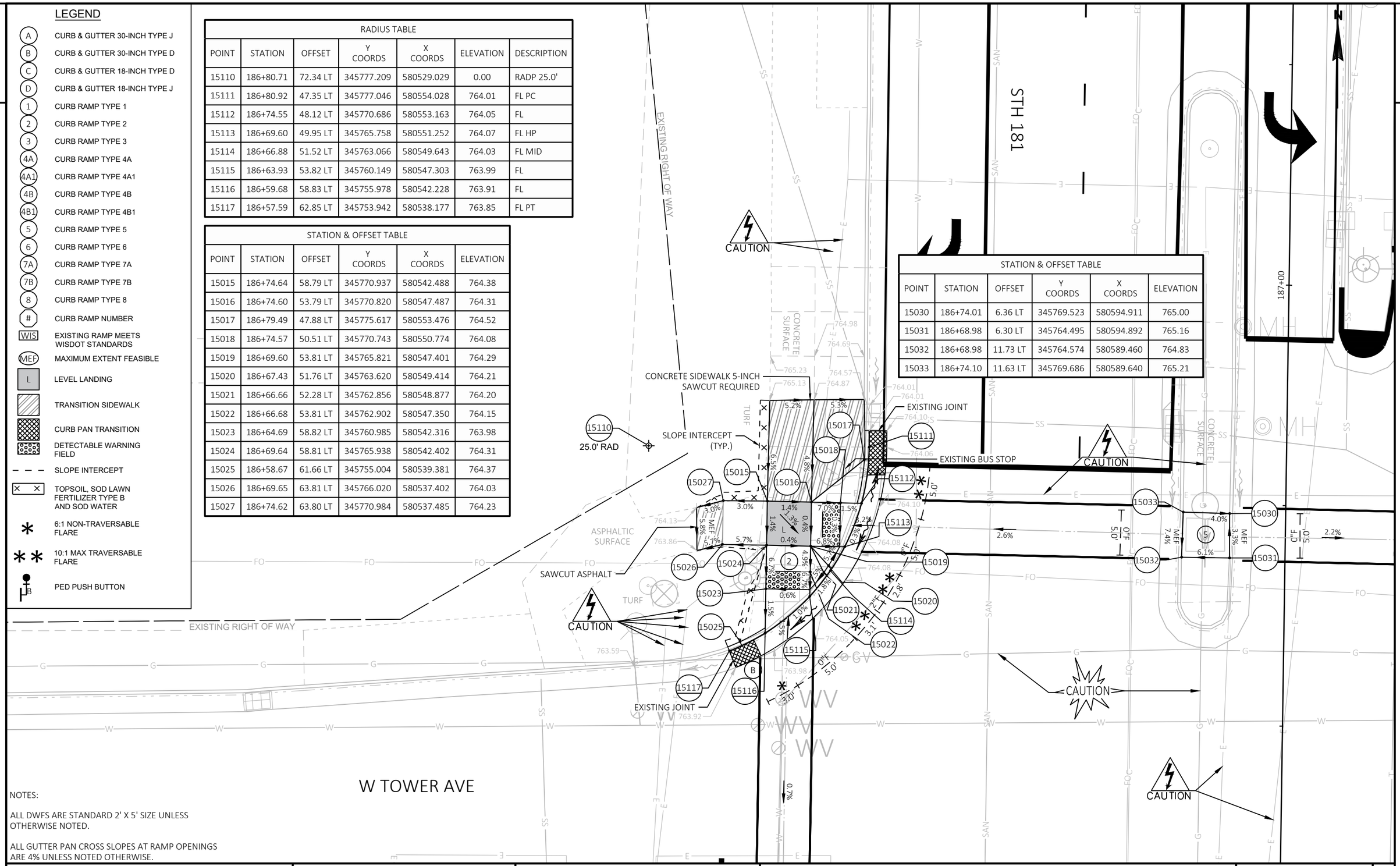
LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- 6:1 NON-TRAVERSABLE FLARE
- 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
15110	186+80.71	72.34 LT	345777.209	580529.029	0.00	RADP 25.0'
15111	186+80.92	47.35 LT	345777.046	580554.028	764.01	FL PC
15112	186+74.55	48.12 LT	345770.686	580553.163	764.05	FL
15113	186+69.60	49.95 LT	345765.758	580551.252	764.07	FL HP
15114	186+66.88	51.52 LT	345763.066	580549.643	764.03	FL MID
15115	186+63.93	53.82 LT	345760.149	580547.303	763.99	FL
15116	186+59.68	58.83 LT	345755.978	580542.228	763.91	FL
15117	186+57.59	62.85 LT	345753.942	580538.177	763.85	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
15015	186+74.64	58.79 LT	345770.937	580542.488	764.38
15016	186+74.60	53.79 LT	345770.820	580547.487	764.31
15017	186+79.49	47.88 LT	345775.617	580553.476	764.52
15018	186+74.57	50.51 LT	345770.743	580550.774	764.08
15019	186+69.60	53.81 LT	345765.821	580547.401	764.29
15020	186+67.43	51.76 LT	345763.620	580549.414	764.21
15021	186+66.66	52.28 LT	345762.856	580548.877	764.20
15022	186+66.68	53.81 LT	345762.902	580547.350	764.15
15023	186+64.69	58.82 LT	345760.985	580542.316	763.98
15024	186+69.64	58.81 LT	345765.938	580542.402	764.31
15025	186+58.67	61.66 LT	345755.004	580539.381	764.37
15026	186+69.65	63.81 LT	345766.020	580537.402	764.03
15027	186+74.62	63.80 LT	345770.984	580537.485	764.23

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
15030	186+74.01	6.36 LT	345769.523	580594.911	765.00
15031	186+68.98	6.30 LT	345764.495	580594.892	765.16
15032	186+68.98	11.73 LT	345764.574	580589.460	764.83
15033	186+74.10	11.63 LT	345769.686	580589.640	765.21

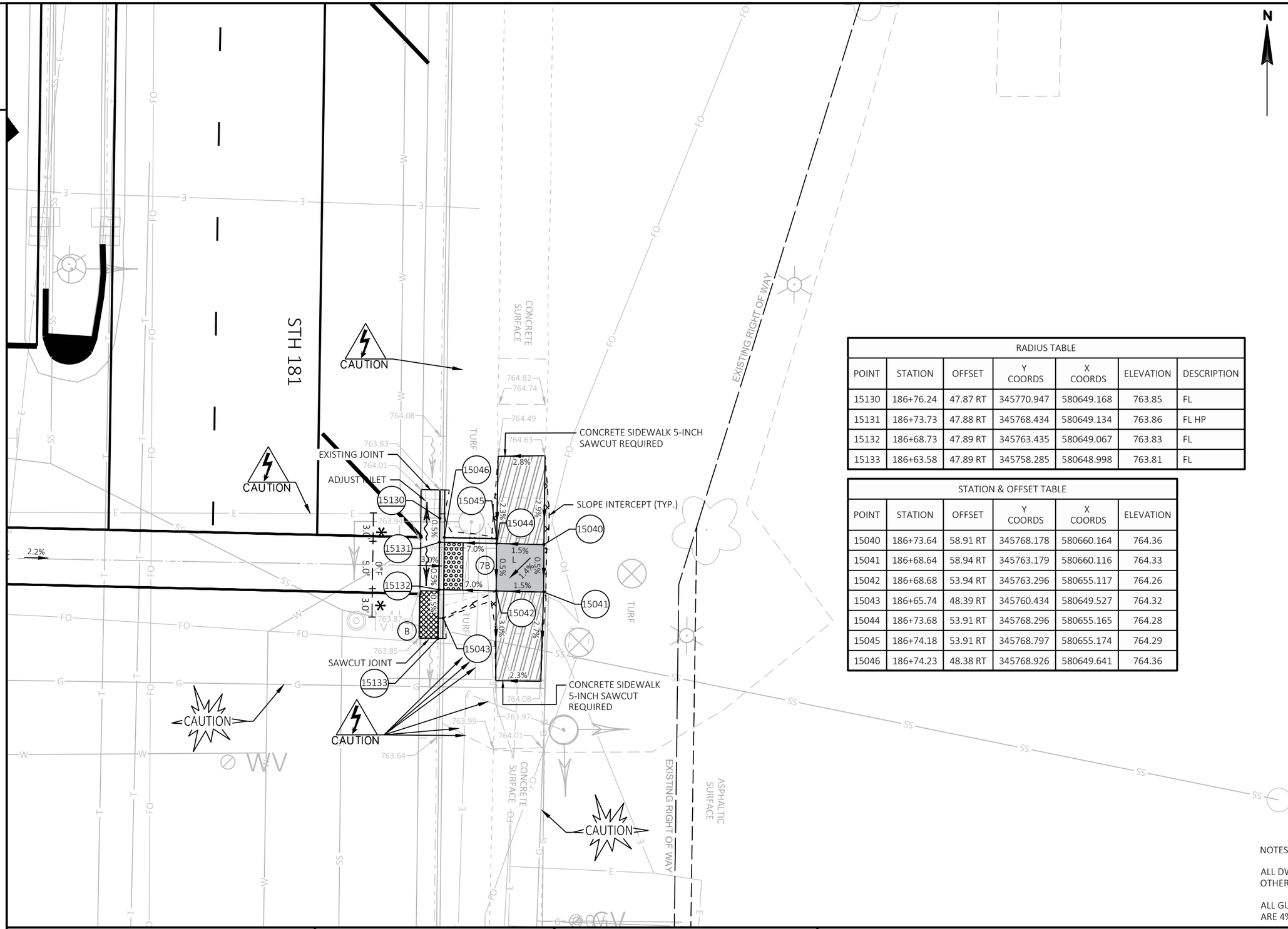


NOTES:

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PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W TOWER AVE	SHEET 92	E



RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
15130	186+76.24	47.87 RT	345770.947	580649.168	763.85	FL
15131	186+73.73	47.88 RT	345768.434	580649.134	763.86	FL HP
15132	186+68.73	47.89 RT	345763.435	580649.067	763.83	FL
15133	186+63.58	47.89 RT	345758.285	580648.998	763.81	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
15040	186+73.64	58.91 RT	345768.178	580660.164	764.36
15041	186+68.64	58.94 RT	345763.179	580660.116	764.33
15042	186+68.68	53.94 RT	345763.296	580655.117	764.26
15043	186+65.74	48.39 RT	345760.434	580649.527	764.32
15044	186+73.68	53.91 RT	345768.296	580655.165	764.28
15045	186+74.18	53.91 RT	345768.797	580655.174	764.29
15046	186+74.23	48.38 RT	345768.926	580649.641	764.36

LEGEND

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- D — CURB & GUTTER 18-INCH TYPE J
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- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

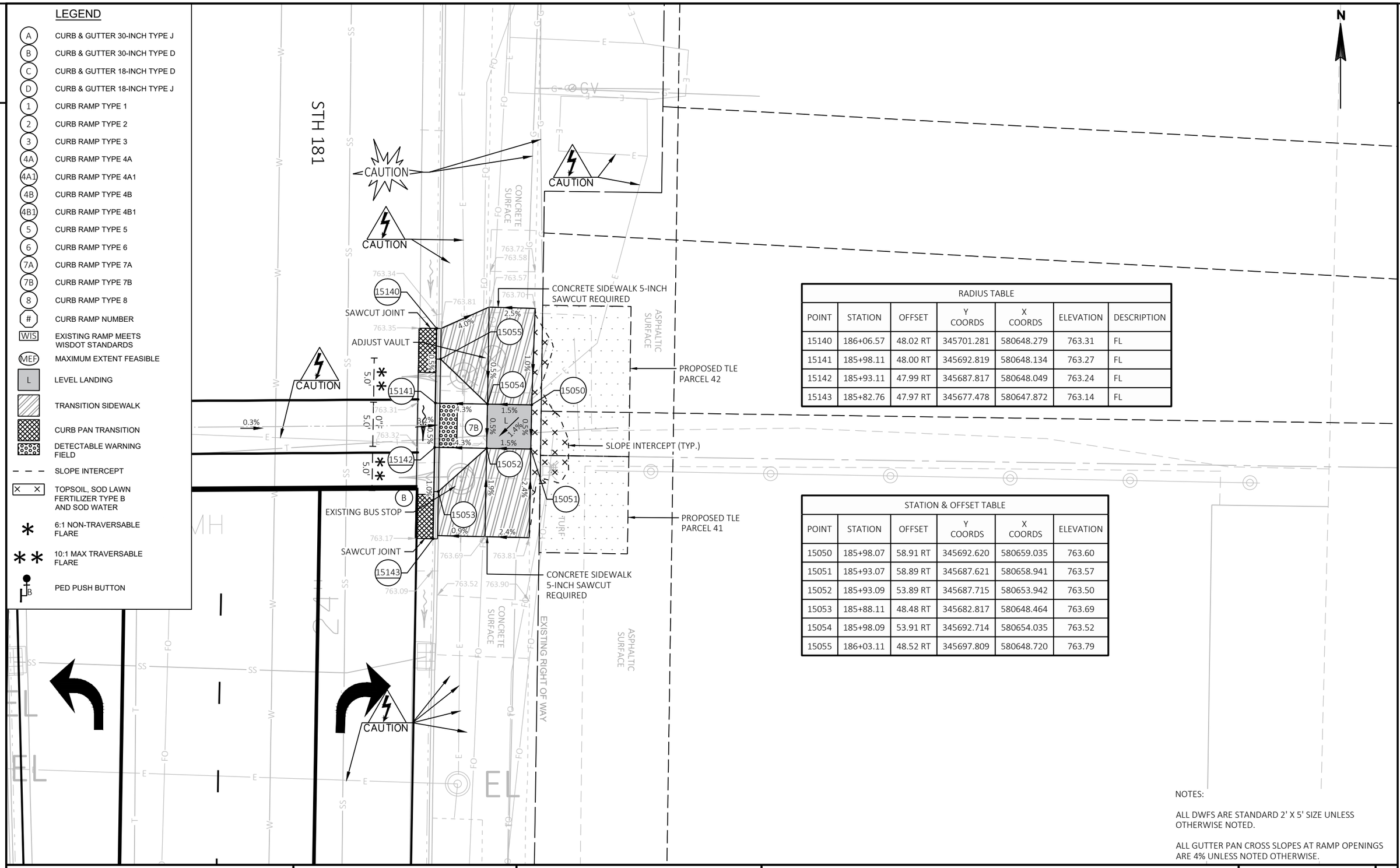
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PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W TOWER AVE	SHEET 93	E

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
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RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
15140	186+06.57	48.02 RT	345701.281	580648.279	763.31	FL
15141	185+98.11	48.00 RT	345692.819	580648.134	763.27	FL
15142	185+93.11	47.99 RT	345687.817	580648.049	763.24	FL
15143	185+82.76	47.97 RT	345677.478	580647.872	763.14	FL

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
15050	185+98.07	58.91 RT	345692.620	580659.035	763.60
15051	185+93.07	58.89 RT	345687.621	580658.941	763.57
15052	185+93.09	53.89 RT	345687.715	580653.942	763.50
15053	185+88.11	48.48 RT	345682.817	580648.464	763.69
15054	185+98.09	53.91 RT	345692.714	580654.035	763.52
15055	186+03.11	48.52 RT	345697.809	580648.720	763.79

NOTES:

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PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W TOWER AVE	SHEET 94	E

NOTES:

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LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
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- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
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- [L] LEVEL LANDING
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- DETECTABLE WARNING FIELD
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- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- 6:1 NON-TRAVERSABLE FLARE
- 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

N SERVITE DR

CAUTION

EXISTING JOINT

CONCRETE SURFACE

EXISTING RIGHT OF WAY

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

SLOPE INTERCEPT (TYP.)

PROPOSED TLE PARCEL 43

19.0' RAD

TURF

STH 181

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
16000	205+53.35	58.89 LT	347649.437	580570.375	748.07
16001	205+58.35	59.04 LT	347654.437	580570.294	748.02
16002	205+59.00	59.06 LT	347655.087	580570.285	748.01
16003	205+67.79	59.33 LT	347663.879	580570.151	747.75
16004	205+58.99	54.06 LT	347655.008	580575.286	747.98
16005	205+58.99	53.82 LT	347654.999	580575.526	747.98
16006	205+53.98	48.80 LT	347649.914	580580.466	747.79
16007	205+53.99	53.88 LT	347650.001	580575.388	748.03
16008	205+53.51	53.89 LT	347649.518	580575.375	748.03
16009	205+58.98	50.79 LT	347654.947	580578.553	747.91
16010	205+72.15	62.41 LT	347668.283	580567.132	748.17
16011	205+66.17	52.59 LT	347662.163	580576.859	747.92
16012	205+60.71	49.35 LT	347656.651	580580.017	747.96
16013	205+50.97	48.13 LT	347646.899	580581.096	748.26

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
16100	205+54.14	66.65 LT	347650.339	580562.627	0.00	RADP 19.0'
16101	205+73.13	67.09 LT	347669.339	580562.469	747.64	FL PC
16102	205+71.72	59.44 LT	347667.811	580570.093	747.69	FL
16103	205+68.61	54.34 LT	347664.626	580575.152	747.73	FL
16104	205+67.77	53.41 LT	347663.771	580576.066	747.74	FL MID
16105	205+58.98	48.27 LT	347654.905	580581.070	747.81	FL HP
16106	205+54.25	47.65 LT	347650.171	580581.626	747.78	FL PT
16107	205+53.98	47.65 LT	347649.894	580581.624	747.78	FL

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - N SERVITE DR/W DEAN RD	SHEET 95	E

2

NOTES:

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RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
16110	206+41.93	71.38 LT	347737.225	580559.097	0.00	RADP 21.0'
16111	206+42.11	50.38 LT	347737.373	580580.097	747.17	FL PC
16112	206+41.55	50.38 LT	347736.829	580580.093	747.18	FL
16113	206+36.42	51.06 LT	347731.835	580579.394	747.27	FL
16114	206+26.90	56.20 LT	347722.626	580574.192	747.45	FL
16115	206+26.73	56.37 LT	347722.458	580574.028	747.45	FL MID
16116	206+22.95	61.11 LT	347718.840	580569.246	747.55	FL
16117	206+20.11	71.14 LT	347716.225	580559.182	747.73	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
16015	206+41.62	61.52 LT	347736.920	580568.949	747.69
16016	206+41.59	56.52 LT	347736.879	580573.949	747.58
16017	206+41.56	51.73 LT	347736.840	580578.742	747.21
16018	206+45.66	51.07 LT	347740.828	580579.402	747.52
16019	206+36.44	56.47 LT	347731.879	580573.989	747.47
16020	206+36.43	53.76 LT	347731.857	580576.701	747.47
16021	206+34.62	52.32 LT	347730.091	580578.134	747.47
16022	206+30.26	54.46 LT	347725.872	580575.961	747.56
16023	206+27.74	61.25 LT	347723.476	580569.154	747.58
16024	206+36.46	61.47 LT	347731.920	580568.987	747.66
16025	206+22.26	64.07 LT	347718.207	580566.282	748.07

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
16030	206+36.79	6.34 LT	347732.018	580624.123	748.34
16031	206+36.75	11.75 LT	347731.999	580618.711	748.17
16032	206+41.78	11.81 LT	347736.999	580618.659	748.19
16033	206+41.81	6.36 LT	347737.018	580624.111	748.19

PC: 206+03.65

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
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- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- 6:1 NON-TRAVERSABLE FLARE
- 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

CAUTION
EXISTING RIGHT OF WAY
CONCRETE SURFACE
CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED
SLOPE INTERCEPT (TYP.)
PROPOSED TLE PARCEL 45
ASPHALTIC SURFACE
TURF
EXISTING BUS STOP
EXISTING JOINT
STH 181
N SERVITE DR
MEF
15'
30'
PC: 206+03.65

PROJECT: 2140-14-00 | HWY: STH 181 | COUNTY: MILWAUKEE | CURB RAMP DETAILS - N SERVITE DR/W DEAN RD | SHEET 96 | E

NOTES:

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RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
16120	206+40.43	69.76 RT	347735.474	580700.232	0.00	RADP 19.0'
16121	206+22.15	68.20 RT	347716.550	580698.535	748.69	FL PC
16122	206+23.63	62.09 RT	347718.144	580692.443	748.93	FL
16123	206+26.76	57.05 RT	347721.427	580687.439	749.05	FL
16124	206+27.90	55.85 RT	347722.607	580686.253	749.08	FL MID
16125	206+37.25	51.05 RT	347732.252	580681.508	749.30	FL
16126	206+40.26	50.76 RT	347735.349	580681.233	749.36	FL PT
16127	206+42.10	50.75 RT	347737.234	580681.219	749.40	FL HP

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
16035	206+42.11	61.84 RT	347737.233	580692.311	749.54
16036	206+41.97	62.15 RT	347737.083	580692.627	749.53
16037	206+37.13	61.94 RT	347732.091	580692.397	748.47
16038	206+27.70	62.03 RT	347722.351	580692.428	749.01
16039	206+23.31	65.09 RT	347717.782	580695.439	749.30
16040	206+37.10	56.94 RT	347732.076	580687.398	749.45
16041	206+29.60	57.01 RT	347724.351	580687.428	749.18
16042	206+29.28	55.50 RT	347724.032	580685.913	749.28
16043	206+37.26	56.89 RT	347732.240	580687.348	749.45
16044	206+35.53	52.14 RT	347730.485	580682.594	749.43
16045	206+42.12	56.91 RT	347737.241	580687.383	749.51
16046	206+42.11	53.73 RT	347737.237	580684.200	749.47
16047	206+42.10	51.73 RT	347737.235	580682.200	749.42
16048	206+45.03	51.39 RT	347740.241	580681.866	749.82

LEGEND

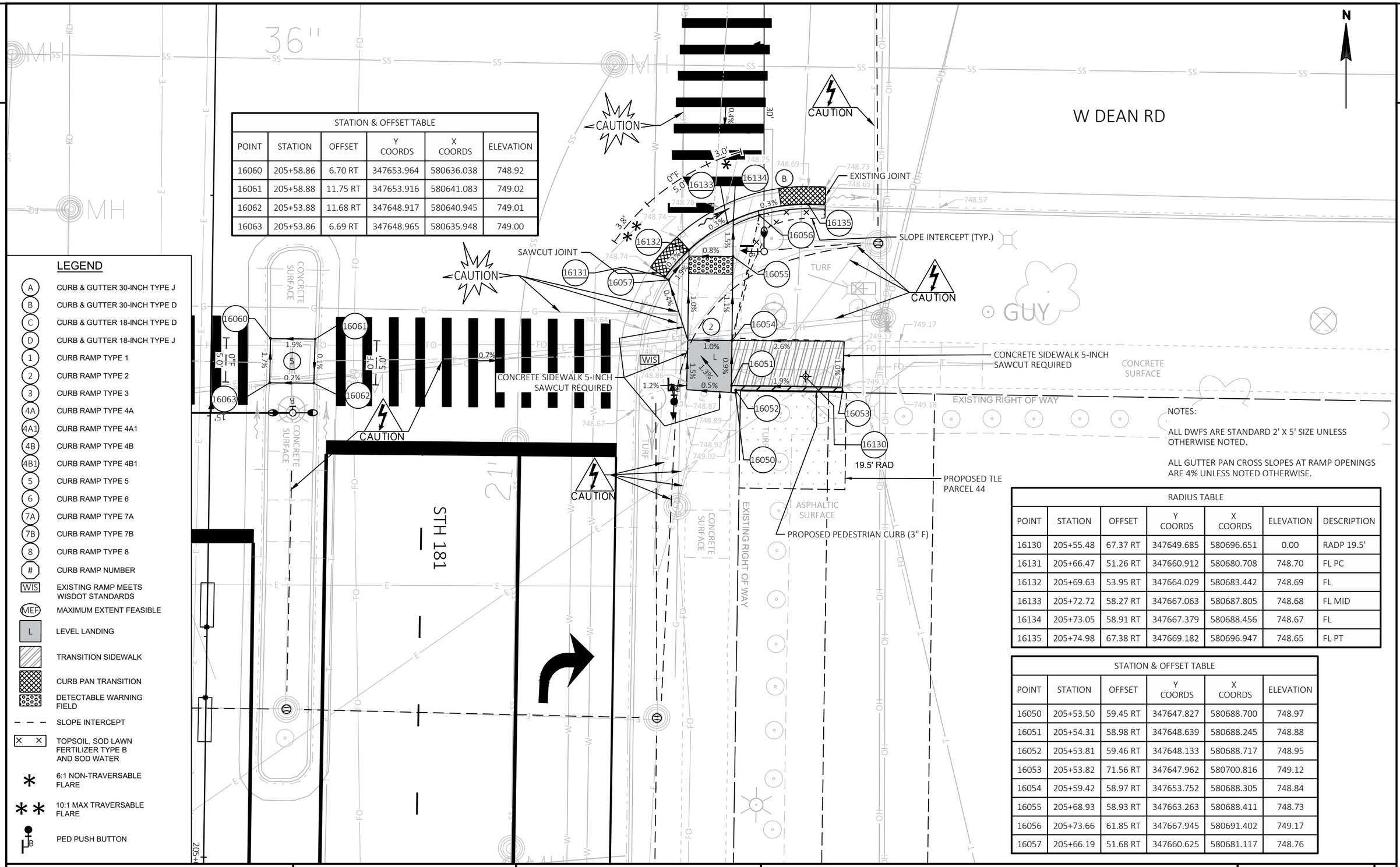
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- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - N SERVITE DR/W DEAN RD	SHEET 97	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 56

PLOT DATE : 4/23/2025 4:29 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
16060	205+58.86	6.70 RT	347653.964	580636.038	748.92
16061	205+58.88	11.75 RT	347653.916	580641.083	749.02
16062	205+53.88	11.68 RT	347648.917	580640.945	749.01
16063	205+53.86	6.69 RT	347648.965	580635.948	749.00

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- [× ×] TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
16130	205+55.48	67.37 RT	347649.685	580696.651	0.00	RADP 19.5'
16131	205+66.47	51.26 RT	347660.912	580680.708	748.70	FL PC
16132	205+69.63	53.95 RT	347664.029	580683.442	748.69	FL
16133	205+72.72	58.27 RT	347667.063	580687.805	748.68	FL MID
16134	205+73.05	58.91 RT	347667.379	580688.456	748.67	FL
16135	205+74.98	67.38 RT	347669.182	580696.947	748.65	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
16050	205+53.50	59.45 RT	347647.827	580688.700	748.97
16051	205+54.31	58.98 RT	347648.639	580688.245	748.88
16052	205+53.81	59.46 RT	347648.133	580688.717	748.95
16053	205+53.82	71.56 RT	347647.962	580700.816	749.12
16054	205+59.42	58.97 RT	347653.752	580688.305	748.84
16055	205+68.93	58.93 RT	347663.263	580688.411	748.73
16056	205+73.66	61.85 RT	347667.945	580691.402	749.17
16057	205+66.19	51.68 RT	347660.625	580681.117	748.76

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - N SERVITE DR/W DEAN RD	SHEET 98	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 57

PLOT DATE : 4/23/2025 4:29 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1 IN:10 FT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
17005	250+19.61	55.91 LT	352015.657	580620.003	696.58
17006	250+27.96	59.36 LT	352024.072	580616.732	696.88
17007	250+19.87	50.92 LT	352015.810	580625.001	696.53
17008	250+28.39	48.36 LT	352024.279	580627.733	696.76
17009	250+14.60	50.65 LT	352010.539	580625.163	696.48
17010	250+09.55	50.39 LT	352005.483	580625.318	696.12
17011	250+06.04	47.21 LT	352001.914	580628.428	696.57
17012	250+14.34	55.64 LT	352010.386	580620.165	696.52
17013	250+10.20	57.96 LT	352006.287	580617.763	696.65

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
17100	248+75.15	103.96 LT	351872.201	580569.021	0.00	RADP 142.0'
17107	250+11.72	65.09 LT	352007.957	580610.668	696.21	FL PC
17108	250+08.57	55.35 LT	352004.603	580620.342	696.13	FL
17109	250+08.04	53.93 LT	352004.048	580621.750	696.11	FL MID
17110	250+06.59	50.24 LT	352002.526	580625.409	696.08	FL
17111	250+03.48	43.10 LT	351999.270	580632.487	696.06	FL PT
17112	250+28.53	61.81 LT	352024.696	580614.285	696.41	FL
17113	250+28.74	56.38 LT	352024.798	580619.722	696.35	FL
17114	250+28.94	51.38 LT	352024.892	580624.722	696.29	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
17040	250+20.20	20.01 RT	352014.701	580695.922	696.16
17041	250+20.12	26.10 RT	352014.499	580702.013	696.03
17042	250+15.12	26.02 RT	352009.502	580701.828	696.11
17043	250+15.20	19.93 RT	352009.704	580695.745	696.13

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
17101	249+32.63	97.53 LT	351929.542	580576.626	0.00	RADP 59.0'
17102	249+78.62	60.57 LT	351974.774	580614.509	695.77	FL PC
17103	249+74.25	55.71 LT	351970.306	580619.280	695.58	FL
17104	249+70.75	52.50 LT	351966.739	580622.424	695.53	FL MID
17105	249+67.96	50.28 LT	351963.902	580624.589	695.49	FL
17106	249+61.49	46.07 LT	351957.344	580628.665	695.34	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
17000	249+62.40	54.91 LT	351958.438	580619.844	695.64
17001	249+62.74	49.92 LT	351958.675	580624.838	695.58
17002	249+75.83	58.34 LT	351971.939	580616.688	696.20
17003	249+65.14	49.10 LT	351961.057	580625.710	695.93

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

RADIUS POINT 17100 (PORKCHOP ISLAND) AND RADIUS POINT 17101 (SOUTHWEST CORNER) ARE LOCATED FURTHER SOUTHWEST DUE TO THE LARGE RADII OF THE CORNER. RADII CROSSMARK LOCATIONS ARE INFORMATIONAL ONLY

59.0' RAD 142.0' RAD

W ALLYN ST

STH 181

SAWCUT JOINT

EXISTING JOINT

SLOPE INTERCEPT (TYP.)

CAUTION

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

LANDING 'XR': 10.9'
DWF AREA: 17.6 SF
LONG CHORD: 8.5'
DWF RADIUS: 58.3'

EXISTING RIGHT OF WAY

CONCRETE SURFACE

TURF

ONLY

LEGEND

- A CURB & GUTTER 30-INCH TYPE J
- B CURB & GUTTER 30-INCH TYPE D
- C CURB & GUTTER 18-INCH TYPE D
- D CURB & GUTTER 18-INCH TYPE J
- 1 CURB RAMP TYPE 1
- 2 CURB RAMP TYPE 2
- 3 CURB RAMP TYPE 3
- 4A CURB RAMP TYPE 4A
- 4A1 CURB RAMP TYPE 4A1
- 4B CURB RAMP TYPE 4B
- 4B1 CURB RAMP TYPE 4B1
- 5 CURB RAMP TYPE 5
- 6 CURB RAMP TYPE 6
- 7A CURB RAMP TYPE 7A
- 7B CURB RAMP TYPE 7B
- 8 CURB RAMP TYPE 8
- # CURB RAMP NUMBER
- WIS EXISTING RAMP MEETS WISDOT STANDARDS
- MEF MAXIMUM EXTENT FEASIBLE
- L LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W ALLYN ST	SHEET 99	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 58

PLOT DATE : 4/23/2025 4:30 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- [× ×] TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
17015	251+25.45	60.01 LT	352121.553	580618.062	697.19
17016	251+25.45	54.98 LT	352121.459	580623.095	697.14
17017	251+25.45	49.89 LT	352121.354	580628.180	696.86
17018	251+30.46	49.44 LT	352126.348	580628.728	697.42
17019	251+20.46	55.01 LT	352116.464	580622.964	697.08
17020	251+18.70	50.31 LT	352114.612	580627.620	696.99
17021	251+16.44	55.02 LT	352112.445	580622.869	697.02
17022	251+11.83	55.02 LT	352107.835	580622.770	696.76
17023	251+11.73	53.57 LT	352107.709	580624.224	696.77
17024	251+16.45	60.02 LT	352112.555	580617.870	697.07
17025	251+09.83	60.03 LT	352105.944	580617.728	696.63
17026	251+03.80	62.95 LT	352099.968	580614.678	697.02

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
17115	251+24.95	72.79 LT	352121.319	580605.275	0.00	RADP 24.0'
17116	251+25.45	48.79 LT	352121.331	580629.282	696.85	FL
17117	251+24.88	48.79 LT	352120.761	580629.269	696.84	FL PC
17118	251+20.45	49.22 LT	352116.340	580628.753	696.77	FL
17119	251+08.81	55.03 LT	352104.820	580622.705	696.57	FL HP
17120	251+07.97	55.83 LT	352104.001	580621.891	696.56	FL MID
17121	251+04.62	60.03 LT	352100.734	580617.615	696.53	FL
17122	251+00.95	72.74 LT	352097.323	580604.837	696.46	FL PT

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
17123	251+38.41	37.52 LT	352134.061	580640.815	0.00	RADP 64.0'
17124	251+27.83	25.60 RT	352122.190	580703.702	697.13	FL PC
17125	251+26.28	25.32 RT	352120.647	580703.391	697.12	FL
17126	251+21.21	24.12 RT	352115.601	580702.093	697.08	FL
17127	251+19.26	23.55 RT	352113.671	580701.478	697.06	FL MID
17128	251+11.02	20.32 RT	352105.490	580698.081	696.99	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
17030	251+25.86	17.66 RT	352120.388	580695.723	697.45
17031	251+26.16	23.14 RT	352120.574	580701.212	697.15
17032	251+29.29	25.00 RT	352123.661	580703.138	697.64
17033	251+20.87	17.93 RT	352115.391	580695.892	697.41
17034	251+18.55	22.61 RT	352112.973	580700.529	697.55
17035	251+20.66	12.70 RT	352115.286	580690.657	697.48
17036	251+20.41	6.48 RT	352115.160	580684.437	697.56
17037	251+25.00	6.28 RT	352119.757	580684.326	697.59
17038	251+25.46	12.34 RT	352120.093	580690.395	697.52

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W ALLYN ST	SHEET 100	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 59

PLOT DATE : 4/23/2025 4:31 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

W INLAND ST

EXISTING RIGHT OF WAY

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- [WIS] EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- [L] LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- [× ×] TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
18100	256+70.02	70.24 LT	352666.225	580618.929	0.00	RADP 32.0'
18101	256+90.86	45.94 LT	352686.562	580643.641	703.06	FL PC
18102	256+84.73	41.81 LT	352680.348	580647.648	702.92	FL
18103	256+80.45	39.98 LT	352676.036	580649.392	702.83	FL MID
18104	256+79.78	39.76 LT	352675.360	580649.601	702.82	FL
18105	256+68.58	38.27 LT	352664.132	580650.864	702.62	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
18000	256+84.44	52.45 LT	352680.281	580637.002	703.25
18001	256+84.64	45.07 LT	352680.327	580644.388	703.17
18002	256+90.42	46.45 LT	352686.136	580643.123	703.56
18003	256+79.64	45.06 LT	352675.327	580644.296	703.07
18004	256+79.71	42.38 LT	352675.343	580646.980	702.87
18005	256+76.74	39.63 LT	352672.319	580649.664	703.27
18006	256+72.74	49.97 LT	352668.528	580639.250	703.23
18007	256+79.49	50.77 LT	352675.291	580638.583	703.15

N

2

CAUTION

18101

EXISTING JOINT

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

CAUTION

EXISTING PLE

18100

32.0' RAD

CAUTION

28.9' RADIUS

SLOPE INTERCEPT (TYP.)

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

EXISTING JOINT

CAUTION

EXISTING RIGHT OF WAY

STH 181

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W INLAND ST/W NORTHRIDGE LAKES BLVD	SHEET 101	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 60

PLOT DATE : 4/23/2025 4:32 PM

PLOT BY : NICHOLAS TRAUB

PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
18110	257+96.86	72.52 LT	352793.085	580619.225	0.00	RADP 24.0'
18111	257+97.95	48.55 LT	352793.685	580643.217	703.58	FL PC
18112	257+93.74	48.73 LT	352789.478	580642.949	703.63	FL
18113	257+88.74	49.95 LT	352784.503	580641.632	703.68	FL HP
18114	257+82.27	53.48 LT	352778.110	580637.969	703.64	FL
18115	257+80.31	55.16 LT	352776.186	580636.253	703.63	FL MID
18116	257+77.42	58.47 LT	352773.363	580632.882	703.60	FL
18117	257+72.87	72.46 LT	352769.101	580618.803	703.52	FL PT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
18010	257+93.75	58.50 LT	352789.690	580633.179	703.95
18011	257+93.74	53.50 LT	352789.573	580638.181	703.88
18012	257+93.74	50.66 LT	352789.516	580641.019	703.65
18013	257+97.92	49.22 LT	352793.669	580642.547	704.08
18014	257+88.74	53.49 LT	352784.574	580638.087	703.79
18015	257+88.74	52.66 LT	352784.558	580638.919	703.85
18016	257+87.16	51.31 LT	352782.953	580640.233	703.84
18017	257+85.09	52.39 LT	352780.910	580639.118	703.83
18018	257+88.74	58.49 LT	352784.675	580633.088	703.90
18019	257+83.39	58.48 LT	352779.327	580632.990	703.72
18020	257+76.41	61.33 LT	352772.408	580630.005	704.09

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
18120	257+88.73	12.30 LT	352783.729	580679.272	703.89	FL
18121	257+93.73	12.28 LT	352788.731	580679.393	703.95	FL
18122	257+99.19	12.26 LT	352794.189	580679.525	704.02	FL
18123	257+98.61	5.50 LT	352793.466	580686.266	703.86	FL
18124	257+93.74	5.47 LT	352788.595	580686.200	703.79	FL
18125	257+88.73	5.44 LT	352783.592	580686.133	703.71	FL

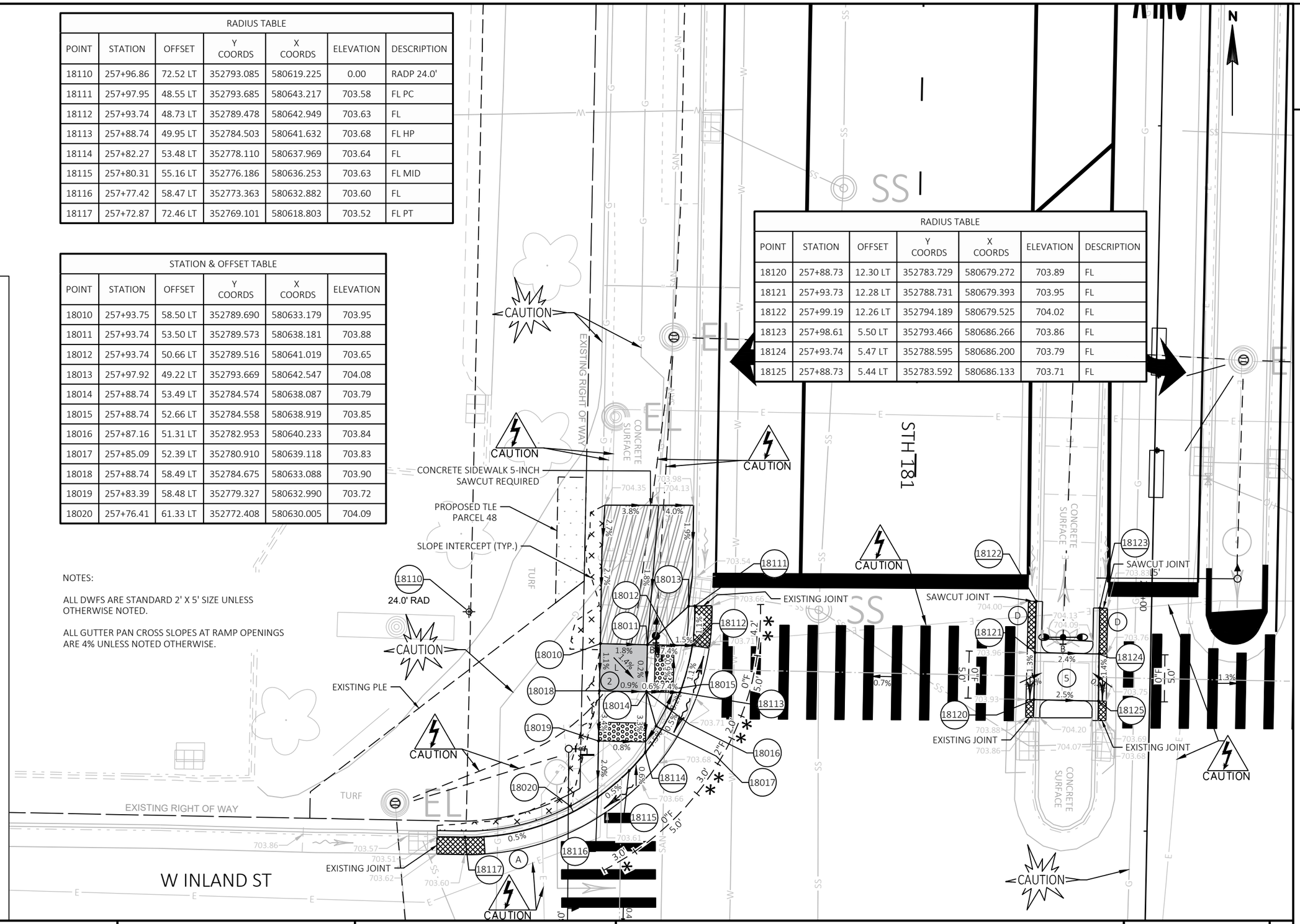
LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

NOTES:

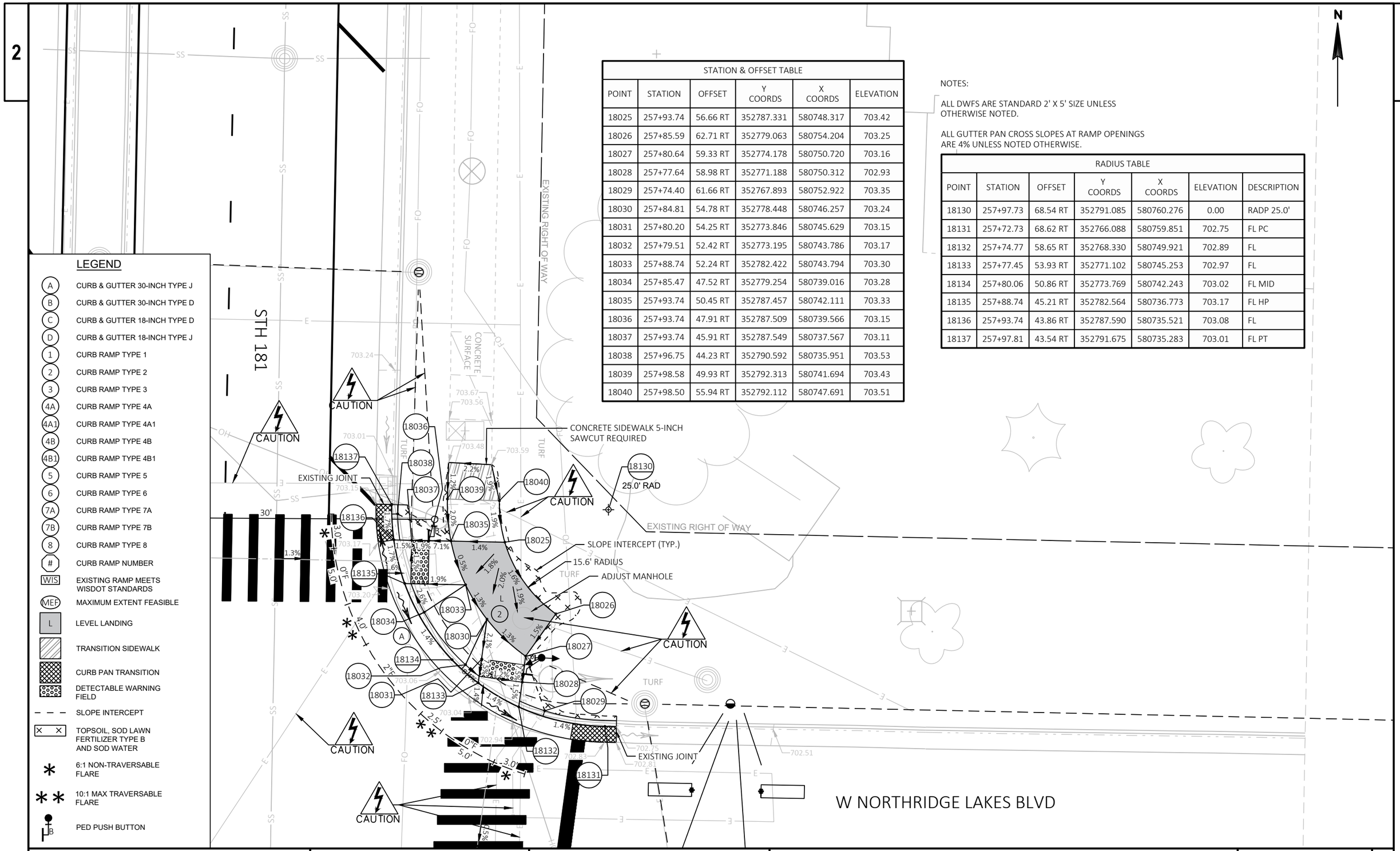
ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.



PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W INLAND ST/W NORTHRIDGE LAKES BLVD	SHEET 102	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 61
PLOT DATE : 4/23/2025 4:32 PM
PLOT BY : NICHOLAS TRAUB
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
18025	257+93.74	56.66 RT	352787.331	580748.317	703.42
18026	257+85.59	62.71 RT	352779.063	580754.204	703.25
18027	257+80.64	59.33 RT	352774.178	580750.720	703.16
18028	257+77.64	58.98 RT	352771.188	580750.312	702.93
18029	257+74.40	61.66 RT	352767.893	580752.922	703.35
18030	257+84.81	54.78 RT	352778.448	580746.257	703.24
18031	257+80.20	54.25 RT	352773.846	580745.629	703.15
18032	257+79.51	52.42 RT	352773.195	580743.786	703.17
18033	257+88.74	52.24 RT	352782.422	580743.794	703.30
18034	257+85.47	47.52 RT	352779.254	580739.016	703.28
18035	257+93.74	50.45 RT	352787.457	580742.111	703.33
18036	257+93.74	47.91 RT	352787.509	580739.566	703.15
18037	257+93.74	45.91 RT	352787.549	580737.567	703.11
18038	257+96.75	44.23 RT	352790.592	580735.951	703.53
18039	257+98.58	49.93 RT	352792.313	580741.694	703.43
18040	257+98.50	55.94 RT	352792.112	580747.691	703.51

NOTES:

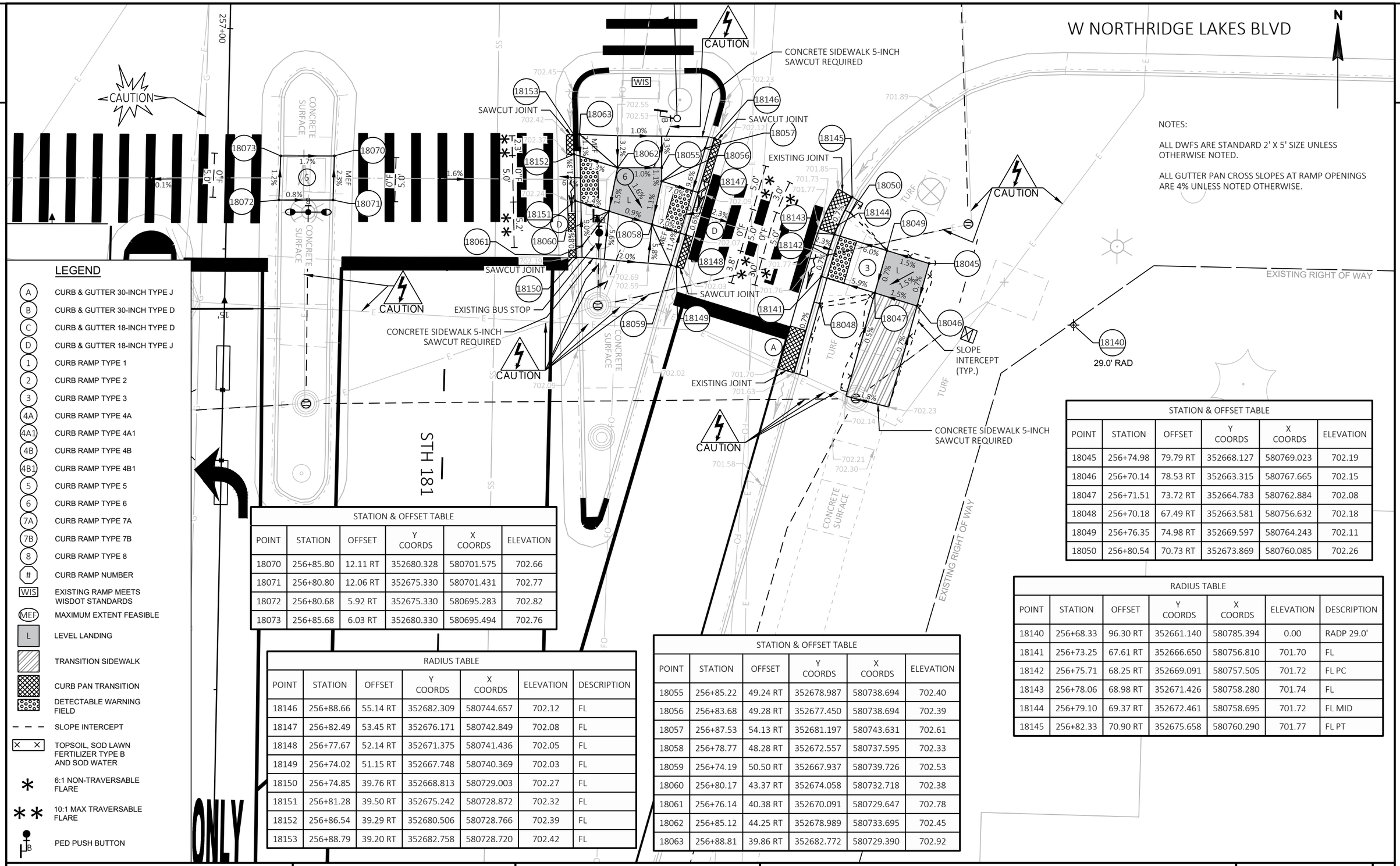
ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
18130	257+97.73	68.54 RT	352791.085	580760.276	0.00	RADP 25.0'
18131	257+72.73	68.62 RT	352766.088	580759.851	702.75	FL PC
18132	257+74.77	58.65 RT	352768.330	580749.921	702.89	FL
18133	257+77.45	53.93 RT	352771.102	580745.253	702.97	FL
18134	257+80.06	50.86 RT	352773.769	580742.243	703.02	FL MID
18135	257+88.74	45.21 RT	352782.564	580736.773	703.17	FL HP
18136	257+93.74	43.86 RT	352787.590	580735.521	703.08	FL
18137	257+97.81	43.54 RT	352791.675	580735.283	703.01	FL PT

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W INLAND ST/W NORTHRIDGE LAKES BLVD	SHEET 103	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 62
PLOT DATE : 4/23/2025 4:33 PM
PLOT BY : NICHOLAS TRAUB
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

LEGEND

A	CURB & GUTTER 30-INCH TYPE J
B	CURB & GUTTER 30-INCH TYPE D
C	CURB & GUTTER 18-INCH TYPE D
D	CURB & GUTTER 18-INCH TYPE J
1	CURB RAMP TYPE 1
2	CURB RAMP TYPE 2
3	CURB RAMP TYPE 3
4A	CURB RAMP TYPE 4A
4A1	CURB RAMP TYPE 4A1
4B	CURB RAMP TYPE 4B
4B1	CURB RAMP TYPE 4B1
5	CURB RAMP TYPE 5
6	CURB RAMP TYPE 6
7A	CURB RAMP TYPE 7A
7B	CURB RAMP TYPE 7B
8	CURB RAMP TYPE 8
#	CURB RAMP NUMBER
WIS	EXISTING RAMP MEETS WISDOT STANDARDS
MEF	MAXIMUM EXTENT FEASIBLE
L	LEVEL LANDING
	TRANSITION SIDEWALK
	CURB PAN TRANSITION
	DETECTABLE WARNING FIELD
– – –	SLOPE INTERCEPT
× ×	TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
*	6:1 NON-TRAVERSABLE FLARE
**	10:1 MAX TRAVERSABLE FLARE
PB	PED PUSH BUTTON

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
18045	256+74.98	79.79 RT	352668.127	580769.023	702.19
18046	256+70.14	78.53 RT	352663.315	580767.665	702.15
18047	256+71.51	73.72 RT	352664.783	580762.884	702.08
18048	256+70.18	67.49 RT	352663.581	580756.632	702.18
18049	256+76.35	74.98 RT	352669.597	580764.243	702.11
18050	256+80.54	70.73 RT	352673.869	580760.085	702.26

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
18140	256+68.33	96.30 RT	352661.140	580785.394	0.00	RADP 29.0'
18141	256+73.25	67.61 RT	352666.650	580756.810	701.70	FL
18142	256+75.71	68.25 RT	352669.091	580757.505	701.72	FL PC
18143	256+78.06	68.98 RT	352671.426	580758.280	701.74	FL
18144	256+79.10	69.37 RT	352672.461	580758.695	701.72	FL MID
18145	256+82.33	70.90 RT	352675.658	580760.290	701.77	FL PT

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
18055	256+85.22	49.24 RT	352678.987	580738.694	702.40
18056	256+83.68	49.28 RT	352677.450	580738.694	702.39
18057	256+87.53	54.13 RT	352681.197	580743.631	702.61
18058	256+78.77	48.28 RT	352672.557	580737.595	702.33
18059	256+74.19	50.50 RT	352667.937	580739.726	702.53
18060	256+80.17	43.37 RT	352674.058	580732.718	702.38
18061	256+76.14	40.38 RT	352670.091	580729.647	702.78
18062	256+85.12	44.25 RT	352678.989	580733.695	702.45
18063	256+88.81	39.86 RT	352682.772	580729.390	702.92

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
18070	256+85.80	12.11 RT	352680.328	580701.575	702.66
18071	256+80.80	12.06 RT	352675.330	580701.431	702.77
18072	256+80.68	5.92 RT	352675.330	580695.283	702.82
18073	256+85.68	6.03 RT	352680.330	580695.494	702.76

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
18146	256+88.66	55.14 RT	352682.309	580744.657	702.12	FL
18147	256+82.49	53.45 RT	352676.171	580742.849	702.08	FL
18148	256+77.67	52.14 RT	352671.375	580741.436	702.05	FL
18149	256+74.02	51.15 RT	352667.748	580740.369	702.03	FL
18150	256+74.85	39.76 RT	352668.813	580729.003	702.27	FL
18151	256+81.28	39.50 RT	352675.242	580728.872	702.32	FL
18152	256+86.54	39.29 RT	352680.506	580728.766	702.39	FL
18153	256+88.79	39.20 RT	352682.758	580728.720	702.42	FL

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W INLAND ST/W NORTHRIDGE LAKES BLVD	SHEET 104	E

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- WIS EXISTING RAMP MEETS WISDOT STANDARDS
- MEF MAXIMUM EXTENT FEASIBLE
- L LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

W FAIRY CHASM DR

EXISTING RIGHT OF WAY

EXISTING JOINT

SLOPE INTERCEPT (TYP.)

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

CAUTION

TURF

CONCRETE SURFACE

STH 181

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
19000	263+51.68	58.99 LT	353347.446	580643.646	707.08
19001	263+56.74	59.00 LT	353352.509	580643.733	707.12
19002	263+66.98	59.02 LT	353362.751	580643.909	706.89
19003	263+73.65	61.92 LT	353369.471	580641.146	707.35
19004	263+66.99	54.02 LT	353362.666	580648.908	706.81
19005	263+56.75	54.01 LT	353352.423	580648.731	707.04
19006	263+65.09	52.73 LT	353360.741	580650.165	707.04
19007	263+59.84	50.36 LT	353355.446	580652.438	707.01
19008	263+57.35	50.18 LT	353352.951	580652.563	706.77
19009	263+52.12	51.28 LT	353347.739	580651.363	706.91
19010	263+51.82	53.19 LT	353347.475	580649.448	707.01
19011	263+49.53	49.30 LT	353345.117	580653.293	707.17
19012	263+51.80	54.00 LT	353347.471	580648.645	707.02

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
19100	263+52.93	72.64 LT	353348.960	580630.028	0.00	RADP 24.0'
19101	263+76.93	72.62 LT	353372.956	580630.505	706.90	FL PC
19102	263+72.70	59.04 LT	353368.469	580644.007	706.83	FL
19103	263+69.91	55.67 LT	353365.609	580647.315	706.81	FL MID
19104	263+68.08	54.03 LT	353363.755	580648.925	706.80	FL
19105	263+57.52	49.08 LT	353353.103	580653.668	706.75	FL
19106	263+52.96	48.64 LT	353348.534	580654.024	706.73	FL PT
19107	263+52.53	48.64 LT	353348.104	580654.017	706.73	FL

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W FAIRY CHASM DR	SHEET 105	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 64

PLOT DATE : 4/23/2025 4:35 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

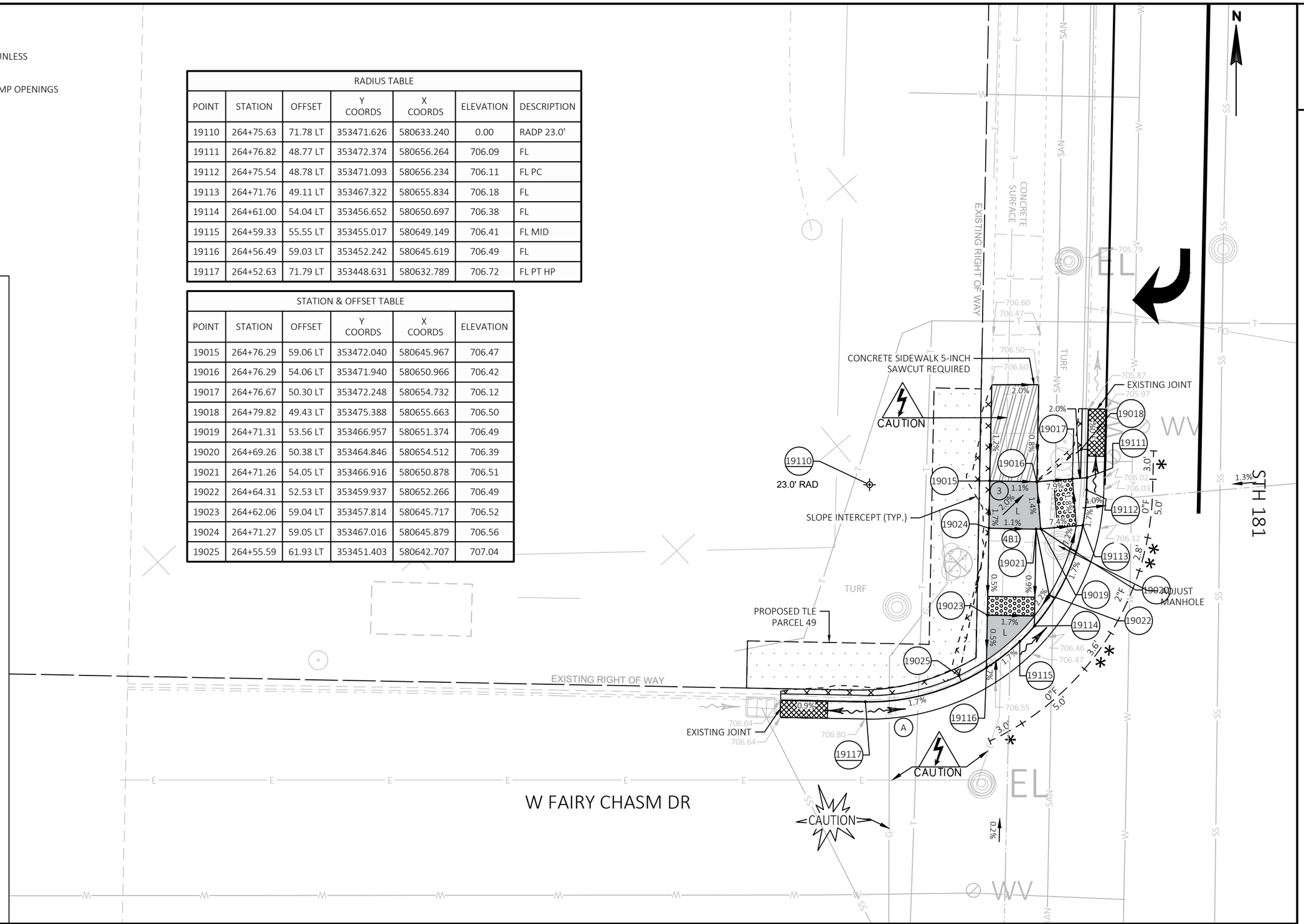
ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
19110	264+75.63	71.78 LT	353471.626	580633.240	0.00	RADP 23.0'
19111	264+76.82	48.77 LT	353472.374	580656.264	706.09	FL
19112	264+75.54	48.78 LT	353471.093	580656.234	706.11	FL PC
19113	264+71.76	49.11 LT	353467.322	580655.834	706.18	FL
19114	264+61.00	54.04 LT	353456.652	580650.697	706.38	FL
19115	264+59.33	55.55 LT	353455.017	580649.149	706.41	FL MID
19116	264+56.49	59.03 LT	353452.242	580645.619	706.49	FL
19117	264+52.63	71.79 LT	353448.631	580632.789	706.72	FL PT HP

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
19015	264+76.29	59.06 LT	353472.040	580645.967	706.47
19016	264+76.29	54.06 LT	353471.940	580650.966	706.42
19017	264+76.67	50.30 LT	353472.248	580654.732	706.12
19018	264+79.82	49.43 LT	353475.388	580655.663	706.50
19019	264+71.31	53.56 LT	353466.957	580651.374	706.49
19020	264+69.26	50.38 LT	353464.846	580654.512	706.39
19021	264+71.26	54.05 LT	353466.916	580650.878	706.51
19022	264+64.31	52.53 LT	353459.937	580652.266	706.49
19023	264+62.06	59.04 LT	353457.814	580645.717	706.52
19024	264+71.27	59.05 LT	353467.016	580645.879	706.56
19025	264+55.59	61.93 LT	353451.403	580642.707	707.04

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON



PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W FAIRY CHASM DR	SHEET 106	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 65

PLOT DATE : 4/23/2025 4:36 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

2

N

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
19120	264+80.80	43.67 RT	353474.579	580748.764	705.15	FL
19121	264+75.80	43.68 RT	353469.580	580748.683	705.20	FL

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

265+00

STH 181

WIS

WIS

CAUTION

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

EXISTING JOINT

ADJUSTING WATER VALVE BOXES

SLOPE INTERCEPT (TYP.)

EXISTING RIGHT OF WAY

CONCRETE SURFACE

TURF

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
19030	264+80.68	55.02 RT	353474.239	580760.116	705.44
19031	264+75.68	55.01 RT	353469.240	580760.011	705.51
19032	264+75.73	50.01 RT	353469.390	580755.013	705.44
19033	264+72.80	44.36 RT	353466.568	580749.304	705.73
19034	264+80.73	50.02 RT	353474.389	580755.118	705.37
19035	264+83.81	44.33 RT	353477.570	580749.483	705.66

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W FAIRY CHASM DR	SHEET 107	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 66

PLOT DATE : 7/24/2025 10:48 PM PLOT BY : TONY BACIAK PLOT SCALE : 1 IN:10 FT

2

2

STH 181

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

N

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON

CAUTION

SAWCUT JOINT

EXISTING JOINT

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

SLOPE INTERCEPT (TYP.)

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

CONCRETE SURFACE

TURF

EXISTING RIGHT OF WAY

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
19140	263+67.85	12.32 RT	353362.251	580715.258	706.25	FL
19141	263+66.82	12.32 RT	353361.225	580715.236	706.26	FL
19142	263+61.83	12.31 RT	353356.233	580715.127	706.30	FL
19143	263+58.75	12.30 RT	353353.150	580715.060	706.33	FL
19144	263+58.51	5.74 RT	353353.035	580708.494	706.45	FL
19145	263+61.25	5.74 RT	353355.780	580708.549	706.43	FL
19146	263+61.83	9.41 RT	353356.290	580712.236	706.36	FL
19147	263+66.83	9.02 RT	353361.297	580711.934	706.33	FL
19148	263+66.31	5.74 RT	353360.834	580708.649	706.41	FL
19149	263+67.64	5.74 RT	353362.166	580708.676	706.40	FL

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
19130	263+66.83	43.72 RT	353360.628	580746.634	705.73	FL
19131	263+61.83	43.73 RT	353355.630	580746.548	705.75	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
19040	263+66.84	55.02 RT	353360.421	580757.927	706.08
19041	263+61.84	55.04 RT	353355.422	580757.853	706.11
19042	263+61.84	50.04 RT	353355.514	580752.854	706.04
19043	263+58.83	44.41 RT	353352.617	580747.167	706.25
19044	263+66.84	50.02 RT	353360.513	580752.930	706.01
19045	263+69.83	44.39 RT	353363.618	580747.356	706.21

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W FAIRY CHASM DR	SHEET 108	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 67

PLOT DATE : 4/23/2025 4:42 PM

PLOT BY : NICHOLAS TRAUB

PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

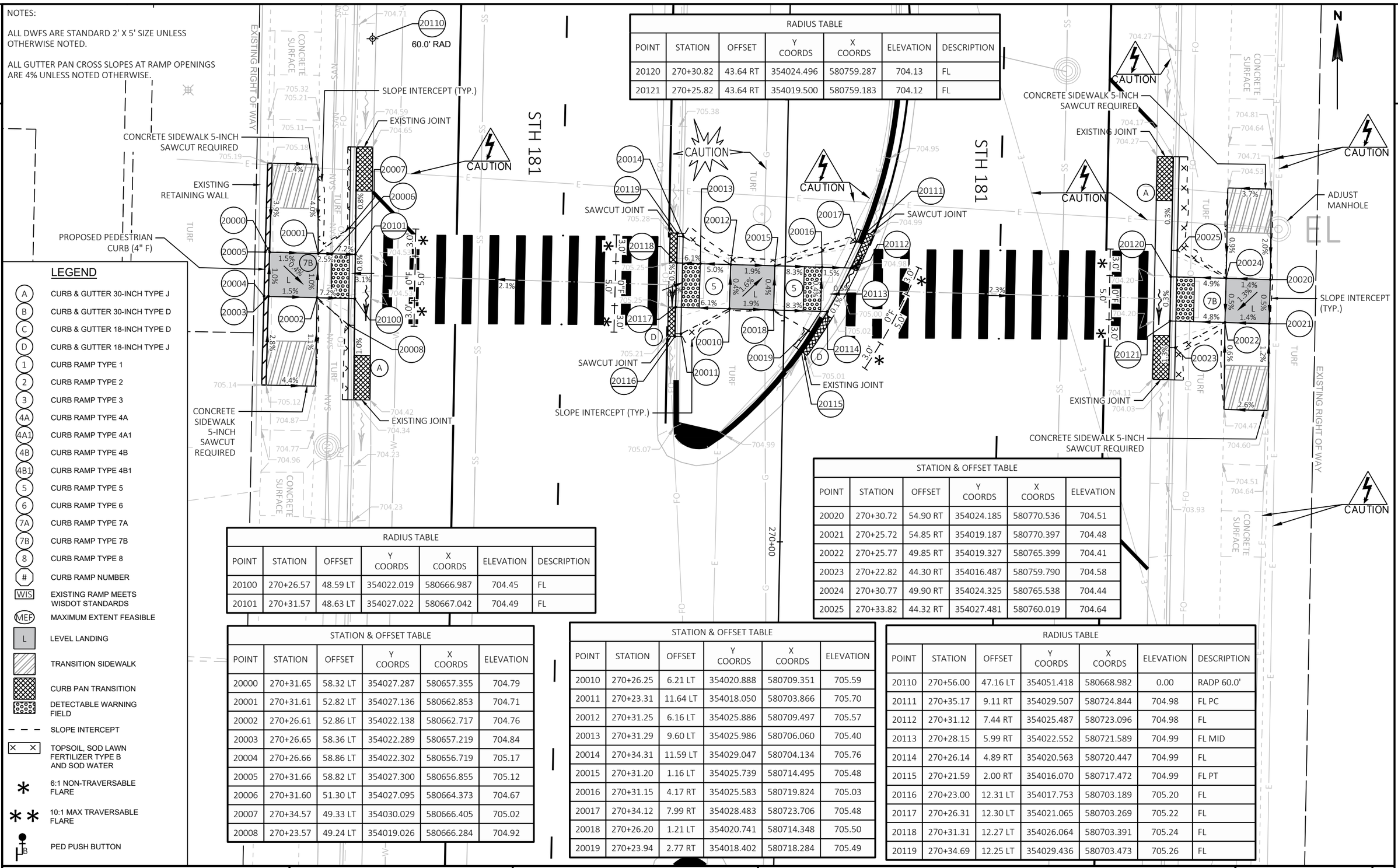
NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

LEGEND

- (A) CURB & GUTTER 30-INCH TYPE J
- (B) CURB & GUTTER 30-INCH TYPE D
- (C) CURB & GUTTER 18-INCH TYPE D
- (D) CURB & GUTTER 18-INCH TYPE J
- (1) CURB RAMP TYPE 1
- (2) CURB RAMP TYPE 2
- (3) CURB RAMP TYPE 3
- (4A) CURB RAMP TYPE 4A
- (4A1) CURB RAMP TYPE 4A1
- (4B) CURB RAMP TYPE 4B
- (4B1) CURB RAMP TYPE 4B1
- (5) CURB RAMP TYPE 5
- (6) CURB RAMP TYPE 6
- (7A) CURB RAMP TYPE 7A
- (7B) CURB RAMP TYPE 7B
- (8) CURB RAMP TYPE 8
- (#) CURB RAMP NUMBER
- (WIS) EXISTING RAMP MEETS WISDOT STANDARDS
- (MEF) MAXIMUM EXTENT FEASIBLE
- (L) LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * 6:1 NON-TRAVERSABLE FLARE
- ** 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON



RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
20120	270+30.82	43.64 RT	354024.496	580759.287	704.13	FL
20121	270+25.82	43.64 RT	354019.500	580759.183	704.12	FL

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
20020	270+30.72	54.90 RT	354024.185	580770.536	704.51
20021	270+25.72	54.85 RT	354019.187	580770.397	704.48
20022	270+25.77	49.85 RT	354019.327	580765.399	704.41
20023	270+22.82	44.30 RT	354016.487	580759.790	704.58
20024	270+30.77	49.90 RT	354024.325	580765.538	704.44
20025	270+33.82	44.32 RT	354027.481	580760.019	704.64

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
20100	270+26.57	48.59 LT	354022.019	580666.987	704.45	FL
20101	270+31.57	48.63 LT	354027.022	580667.042	704.49	FL

STATION & OFFSET TABLE

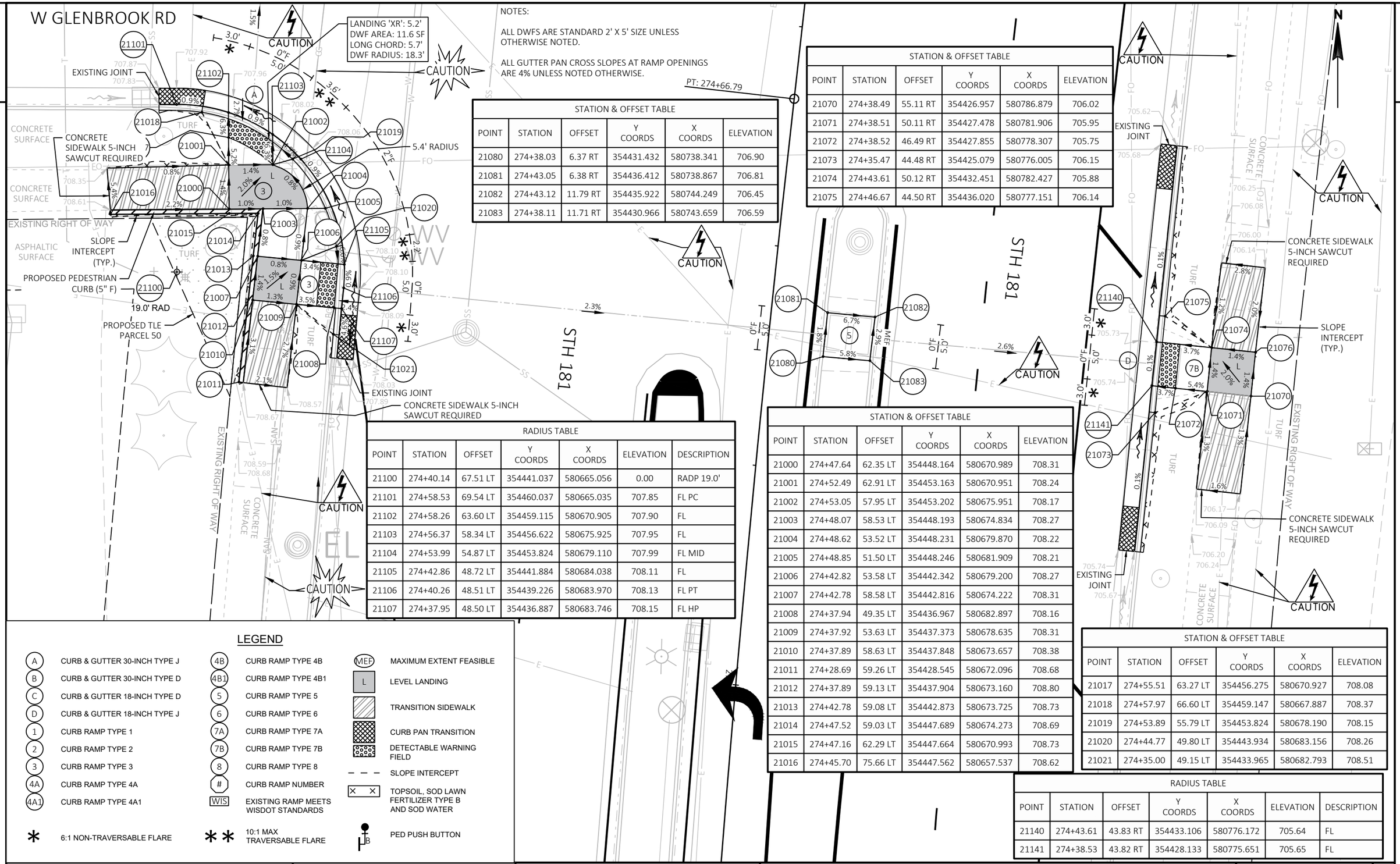
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
20000	270+31.65	58.32 LT	354027.287	580657.355	704.79
20001	270+31.61	52.82 LT	354027.136	580662.853	704.71
20002	270+26.61	52.86 LT	354022.138	580662.717	704.76
20003	270+26.65	58.36 LT	354022.289	580657.219	704.84
20004	270+26.66	58.86 LT	354022.302	580656.719	705.17
20005	270+31.66	58.82 LT	354027.300	580656.855	705.12
20006	270+31.60	51.30 LT	354027.095	580664.373	704.67
20007	270+34.57	49.33 LT	354030.029	580666.405	705.02
20008	270+23.57	49.24 LT	354019.026	580666.284	704.92

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
20010	270+26.25	6.21 LT	354020.888	580709.351	705.59
20011	270+23.31	11.64 LT	354018.050	580703.866	705.70
20012	270+31.25	6.16 LT	354025.886	580709.497	705.57
20013	270+31.29	9.60 LT	354025.986	580706.060	705.40
20014	270+34.31	11.59 LT	354029.047	580704.134	705.76
20015	270+31.20	1.16 LT	354025.739	580714.495	705.48
20016	270+31.15	4.17 RT	354025.583	580719.824	705.03
20017	270+34.12	7.99 RT	354028.483	580723.706	705.48
20018	270+26.20	1.21 LT	354020.741	580714.348	705.50
20019	270+23.94	2.77 RT	354018.402	580718.284	705.49

RADIUS TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
20110	270+56.00	47.16 LT	354051.418	580668.982	0.00	RADP 60.0'
20111	270+35.17	9.11 RT	354029.507	580724.844	704.98	FL PC
20112	270+31.12	7.44 RT	354025.487	580723.096	704.98	FL
20113	270+28.15	5.99 RT	354022.552	580721.589	704.99	FL MID
20114	270+26.14	4.89 RT	354020.563	580720.447	704.99	FL
20115	270+21.59	2.00 RT	354016.070	580717.472	704.99	FL PT
20116	270+23.00	12.31 LT	354017.753	580703.189	705.20	FL
20117	270+26.31	12.30 LT	354021.065	580703.269	705.22	FL
20118	270+31.31	12.27 LT	354026.064	580703.391	705.24	FL
20119	270+34.69	12.25 LT	354029.436	580703.473	705.26	FL



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
21080	274+38.03	6.37 RT	354431.432	580738.341	706.90
21081	274+43.05	6.38 RT	354436.412	580738.867	706.81
21082	274+43.12	11.79 RT	354435.922	580744.249	706.45
21083	274+38.11	11.71 RT	354430.966	580743.659	706.59

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
21070	274+38.49	55.11 RT	354426.957	580786.879	706.02
21071	274+38.51	50.11 RT	354427.478	580781.906	705.95
21072	274+38.52	46.49 RT	354427.855	580778.307	705.75
21073	274+35.47	44.48 RT	354425.079	580776.005	706.15
21074	274+43.61	50.12 RT	354432.451	580782.427	705.88
21075	274+46.67	44.50 RT	354436.020	580777.151	706.14

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
21100	274+40.14	67.51 LT	354441.037	580665.056	0.00	RADP 19.0'
21101	274+58.53	69.54 LT	354460.037	580665.035	707.85	FL PC
21102	274+58.26	63.60 LT	354459.115	580670.905	707.90	FL
21103	274+56.37	58.34 LT	354456.622	580675.925	707.95	FL
21104	274+53.99	54.87 LT	354453.824	580679.110	707.99	FL MID
21105	274+42.86	48.72 LT	354441.884	580684.038	708.11	FL
21106	274+40.26	48.51 LT	354439.226	580683.970	708.13	FL PT
21107	274+37.95	48.50 LT	354436.887	580683.746	708.15	FL HP

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
21000	274+47.64	62.35 LT	354448.164	580670.989	708.31
21001	274+52.49	62.91 LT	354453.163	580670.951	708.24
21002	274+53.05	57.95 LT	354453.202	580675.951	708.17
21003	274+48.07	58.53 LT	354448.193	580674.834	708.27
21004	274+48.62	53.52 LT	354448.231	580679.870	708.22
21005	274+48.85	51.50 LT	354448.246	580681.909	708.21
21006	274+42.82	53.58 LT	354442.342	580679.200	708.27
21007	274+42.78	58.58 LT	354442.816	580674.222	708.31
21008	274+37.94	49.35 LT	354436.967	580682.897	708.16
21009	274+37.92	53.63 LT	354437.373	580678.635	708.31
21010	274+37.89	58.63 LT	354437.848	580673.657	708.38
21011	274+28.69	59.26 LT	354428.545	580672.096	708.68
21012	274+37.89	59.13 LT	354437.904	580673.160	708.80
21013	274+42.78	59.08 LT	354442.873	580673.725	708.73
21014	274+47.52	59.03 LT	354447.689	580674.273	708.69
21015	274+47.16	62.29 LT	354447.664	580670.993	708.73
21016	274+45.70	75.66 LT	354447.562	580657.537	708.62

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
21017	274+55.51	63.27 LT	354456.275	580670.927	708.08
21018	274+57.97	66.60 LT	354459.147	580667.887	708.37
21019	274+53.89	55.79 LT	354453.824	580678.190	708.15
21020	274+44.77	49.80 LT	354443.934	580683.156	708.26
21021	274+35.00	49.15 LT	354433.965	580682.793	708.51

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
21140	274+43.61	43.83 RT	354433.106	580776.172	705.64	FL
21141	274+38.53	43.82 RT	354428.133	580775.651	705.65	FL

LEGEND

A	CURB & GUTTER 30-INCH TYPE J	4B	CURB RAMP TYPE 4B	MEF	MAXIMUM EXTENT FEASIBLE
B	CURB & GUTTER 30-INCH TYPE D	4B1	CURB RAMP TYPE 4B1	L	LEVEL LANDING
C	CURB & GUTTER 18-INCH TYPE D	5	CURB RAMP TYPE 5		TRANSITION SIDEWALK
D	CURB & GUTTER 18-INCH TYPE J	6	CURB RAMP TYPE 6		CURB PAN TRANSITION
1	CURB RAMP TYPE 1	7A	CURB RAMP TYPE 7A		DETECTABLE WARNING FIELD
2	CURB RAMP TYPE 2	7B	CURB RAMP TYPE 7B		SLOPE INTERCEPT
3	CURB RAMP TYPE 3	8	CURB RAMP TYPE 8	× ×	TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
4A	CURB RAMP TYPE 4A	#	CURB RAMP NUMBER		
4A1	CURB RAMP TYPE 4A1	WIS	EXISTING RAMP MEETS WISDOT STANDARDS	PB	PED PUSH BUTTON
*	6:1 NON-TRAVERSABLE FLARE	**	10:1 MAX TRAVERSABLE FLARE		

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GLENBROOK RD	SHEET 110	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 69

PLOT DATE : 4/23/2025 4:46 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

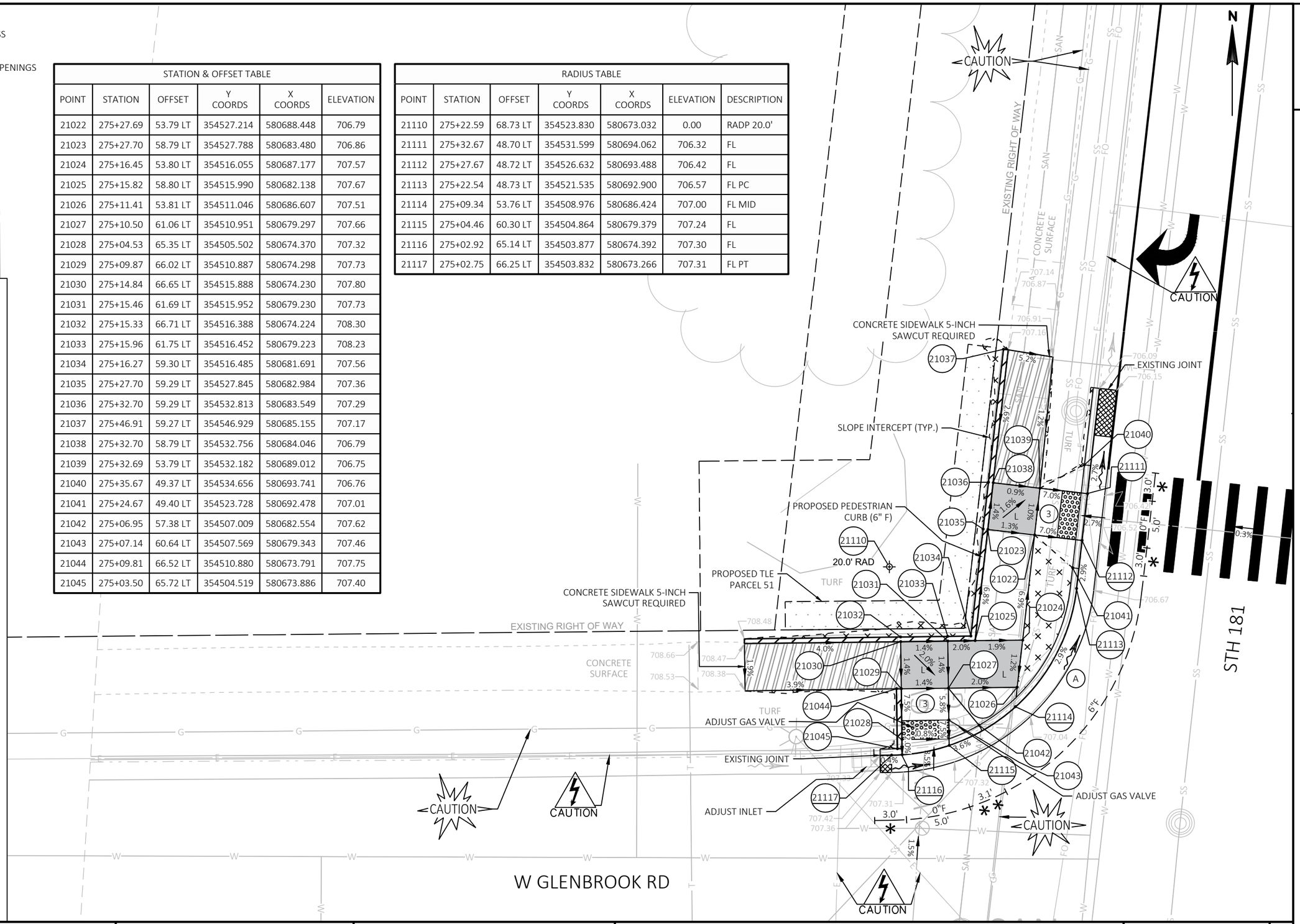
ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
21022	275+27.69	53.79 LT	354527.214	580688.448	706.79
21023	275+27.70	58.79 LT	354527.788	580683.480	706.86
21024	275+16.45	53.80 LT	354516.055	580687.177	707.57
21025	275+15.82	58.80 LT	354515.990	580682.138	707.67
21026	275+11.41	53.81 LT	354511.046	580686.607	707.51
21027	275+10.50	61.06 LT	354510.951	580679.297	707.66
21028	275+04.53	65.35 LT	354505.502	580674.370	707.32
21029	275+09.87	66.02 LT	354510.887	580674.298	707.73
21030	275+14.84	66.65 LT	354515.888	580674.230	707.80
21031	275+15.46	61.69 LT	354515.952	580679.230	707.73
21032	275+15.33	66.71 LT	354516.388	580674.224	708.30
21033	275+15.96	61.75 LT	354516.452	580679.223	708.23
21034	275+16.27	59.30 LT	354516.485	580681.691	707.56
21035	275+27.70	59.29 LT	354527.845	580682.984	707.36
21036	275+32.70	59.29 LT	354532.813	580683.549	707.29
21037	275+46.91	59.27 LT	354546.929	580685.155	707.17
21038	275+32.70	58.79 LT	354532.756	580684.046	706.79
21039	275+32.69	53.79 LT	354532.182	580689.012	706.75
21040	275+35.67	49.37 LT	354534.656	580693.741	706.76
21041	275+24.67	49.40 LT	354523.728	580692.478	707.01
21042	275+06.95	57.38 LT	354507.009	580682.554	707.62
21043	275+07.14	60.64 LT	354507.569	580679.343	707.46
21044	275+09.81	66.52 LT	354510.880	580673.791	707.75
21045	275+03.50	65.72 LT	354504.519	580673.886	707.40

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
21110	275+22.59	68.73 LT	354523.830	580673.032	0.00	RADP 20.0'
21111	275+32.67	48.70 LT	354531.599	580694.062	706.32	FL
21112	275+27.67	48.72 LT	354526.632	580693.488	706.42	FL
21113	275+22.54	48.73 LT	354521.535	580692.900	706.57	FL PC
21114	275+09.34	53.76 LT	354508.976	580686.424	707.00	FL MID
21115	275+04.46	60.30 LT	354504.864	580679.379	707.24	FL
21116	275+02.92	65.14 LT	354503.877	580674.392	707.30	FL
21117	275+02.75	66.25 LT	354503.832	580673.266	707.31	FL PT

LEGEND

- A — CURB & GUTTER 30-INCH TYPE J
- B — CURB & GUTTER 30-INCH TYPE D
- C — CURB & GUTTER 18-INCH TYPE D
- D — CURB & GUTTER 18-INCH TYPE J
- 1 — CURB RAMP TYPE 1
- 2 — CURB RAMP TYPE 2
- 3 — CURB RAMP TYPE 3
- 4A — CURB RAMP TYPE 4A
- 4A1 — CURB RAMP TYPE 4A1
- 4B — CURB RAMP TYPE 4B
- 4B1 — CURB RAMP TYPE 4B1
- 5 — CURB RAMP TYPE 5
- 6 — CURB RAMP TYPE 6
- 7A — CURB RAMP TYPE 7A
- 7B — CURB RAMP TYPE 7B
- 8 — CURB RAMP TYPE 8
- # — CURB RAMP NUMBER
- WIS — EXISTING RAMP MEETS WISDOT STANDARDS
- MEF — MAXIMUM EXTENT FEASIBLE
- L — LEVEL LANDING
- TRANSITION SIDEWALK
- CURB PAN TRANSITION
- DETECTABLE WARNING FIELD
- SLOPE INTERCEPT
- TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER
- * — 6:1 NON-TRAVERSABLE FLARE
- ** — 10:1 MAX TRAVERSABLE FLARE
- PED PUSH BUTTON



PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GLENBROOK RD	SHEET 111	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021301-CR-4.DWG
LAYOUT NAME - 70

PLOT DATE : 4/23/2025 4:47 PM PLOT BY : NICHOLAS TRAUB PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

LEGEND

A	CURB & GUTTER 30-INCH TYPE J	4B	CURB RAMP TYPE 4B
B	CURB & GUTTER 30-INCH TYPE D	4B1	CURB RAMP TYPE 4B1
C	CURB & GUTTER 18-INCH TYPE D	5	CURB RAMP TYPE 5
D	CURB & GUTTER 18-INCH TYPE J	6	CURB RAMP TYPE 6
1	CURB RAMP TYPE 1	7A	CURB RAMP TYPE 7A
2	CURB RAMP TYPE 2	7B	CURB RAMP TYPE 7B
3	CURB RAMP TYPE 3	8	CURB RAMP TYPE 8
4A	CURB RAMP TYPE 4A	#	CURB RAMP NUMBER
4A1	CURB RAMP TYPE 4A1	WIS	EXISTING RAMP MEETS WISDOT STANDARDS
*	6:1 NON-TRAVERSABLE FLARE	**	10:1 MAX TRAVERSABLE FLARE

MEF — MAXIMUM EXTENT FEASIBLE

L — LEVEL LANDING

TRANSITION SIDEWALK

CURB PAN TRANSITION

DETECTABLE WARNING FIELD

SLOPE INTERCEPT

TOPSOIL, SOD LAWN FERTILIZER TYPE B AND SOD WATER

PB — PED PUSH BUTTON

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
21120	275+50.85	48.59 LT	354549.650	580696.211	0.00	RADP 60.0'
21121	275+41.21	10.63 RT	354533.426	580753.976	705.86	FL PC
21122	275+33.25	8.77 RT	354525.725	580751.235	706.03	FL
21123	275+28.23	6.98 RT	354520.938	580748.896	706.11	FL MID
21124	275+16.39	0.53 RT	354509.900	580741.155	706.30	FL PT
21125	275+28.02	12.36 LT	354522.901	580729.657	706.56	FL
21126	275+33.02	12.30 LT	354527.865	580730.272	706.52	FL

RADIUS TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
21130	275+33.65	43.77 RT	354522.191	580786.067	705.25	FL
21131	275+28.65	43.75 RT	354517.225	580785.486	705.28	FL

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
21050	275+28.11	4.57 LT	354522.110	580737.411	706.69
21051	275+28.05	9.69 LT	354522.630	580732.313	706.59
21052	275+25.02	11.72 LT	354519.842	580729.953	707.09
21053	275+33.11	4.62 LT	354527.084	580737.918	706.60
21054	275+36.02	11.60 LT	354530.759	580731.305	706.99
21055	275+33.16	0.38 RT	354526.577	580742.892	706.55
21056	275+33.22	6.20 RT	354525.986	580748.680	706.07
21057	275+36.30	8.92 RT	354528.741	580751.735	706.47
21058	275+28.16	0.43 RT	354521.602	580742.385	706.65
21059	275+25.76	5.17 RT	354518.690	580746.823	706.64

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
21060	275+28.60	54.92 RT	354515.926	580796.580	705.78
21061	275+28.62	49.92 RT	354516.508	580791.613	705.71
21062	275+25.64	44.41 RT	354514.167	580785.803	705.80
21063	275+33.62	49.96 RT	354521.471	580792.214	705.64
21064	275+33.63	46.44 RT	354521.881	580788.719	705.43
21065	275+36.64	44.46 RT	354525.093	580787.081	705.68

N

STH 181

21120 60.0' RAD

CAUTION

EXISTING JOINT

SEE OTHER W. GLENBROOK RD DETAILS FOR INFORMATION

SLOPE INTERCEPT (TYP.)

CONCRETE SIDEWALK 5-INCH SAWCUT REQUIRED

EXISTING RIGHT OF WAY

NOTES:

ALL DWFS ARE STANDARD 2' X 5' SIZE UNLESS OTHERWISE NOTED.

ALL GUTTER PAN CROSS SLOPES AT RAMP OPENINGS ARE 4% UNLESS NOTED OTHERWISE.

W GLENBROOK RD

PROJECT: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	CURB RAMP DETAILS - W GLENBROOK RD	SHEET 112	E

NOTES:

1) EXISTING INFORMATION ON STORM SEWER IS FROM WISDOT AS-BUILT PLANS
2) CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO ORDERING MATERIALS AND BEGINNING WORK
3) ADJUST STRUCTURE ELEVATIONS OR LOCATION TO FIT FIELD CONDITIONS
4) STORM SEWER INLET EXCAVATION AREA SHALL BE FILLED WITH BACKFILL GRANULAR GRADE 1
5) REMOVAL AND CONNECTION OF EXISTING STORM SEWER PIPE TO INLETS IS INCLUDED IN THE INLETS BID ITEM
6) CONTRACTOR SHALL GRADE THE MEDIAN AREA TO PROVIDE POSITIVE DRAINAGE TO THE INLETS
7) CONTRACTOR SHALL TAKE CARE OF REMOVING AND STORING THE EXISTING INLET COVERS. ANY DAMAGE TO EXISTING INLET COVERS SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE
8) SEE DETAIL FOR CONCRETE CURB AND GUTTER 18-INCH AT INLETS

STA 121+20.65, 1.15' LT
1 - INLETS 2X3-FT (SEE DETAIL)
1 - SALVAGE INLET COVER
E. INVERT ELEV = 730.68
COVER ELEV = 733.45

14 LF - SSPRC CLASS IV 12-INCH @ 1.3%

STA 121+20.90, 1.26' RT
REMOVE INLET
REMOVE STORM SEWER (12")

STA 121+20.86, 11.83' RT
REMOVE INLET
REMOVE STORM SEWER (12")

STA 120+99.24, 34.41,' RT
1 - CLEANING STORM SEWER
INVERT ELEV = 730.33 (INFO ONLY)
COVER ELEV = 733.17 (INFO ONLY)

STA 121+20.61, 12.59' RT
CONNECT EXISTING 12" STORM SEWER PIPE TO NEW INLET
1 - INLETS 4-FT DIA. (SEE DETAIL)
1 - SALVAGE INLET COVER
W. INVERT ELEV = 730.50
E. INVERT ELEV = 730.50
COVER ELEV = 733.73

STA 121+05.73, 47.54,' RT
REMOVE INLET COVER
1 - CLEANING STORM SEWER
1 - INLET COVER TYPE H-D (SEE DETAIL)
COVER ELEV = 732.84

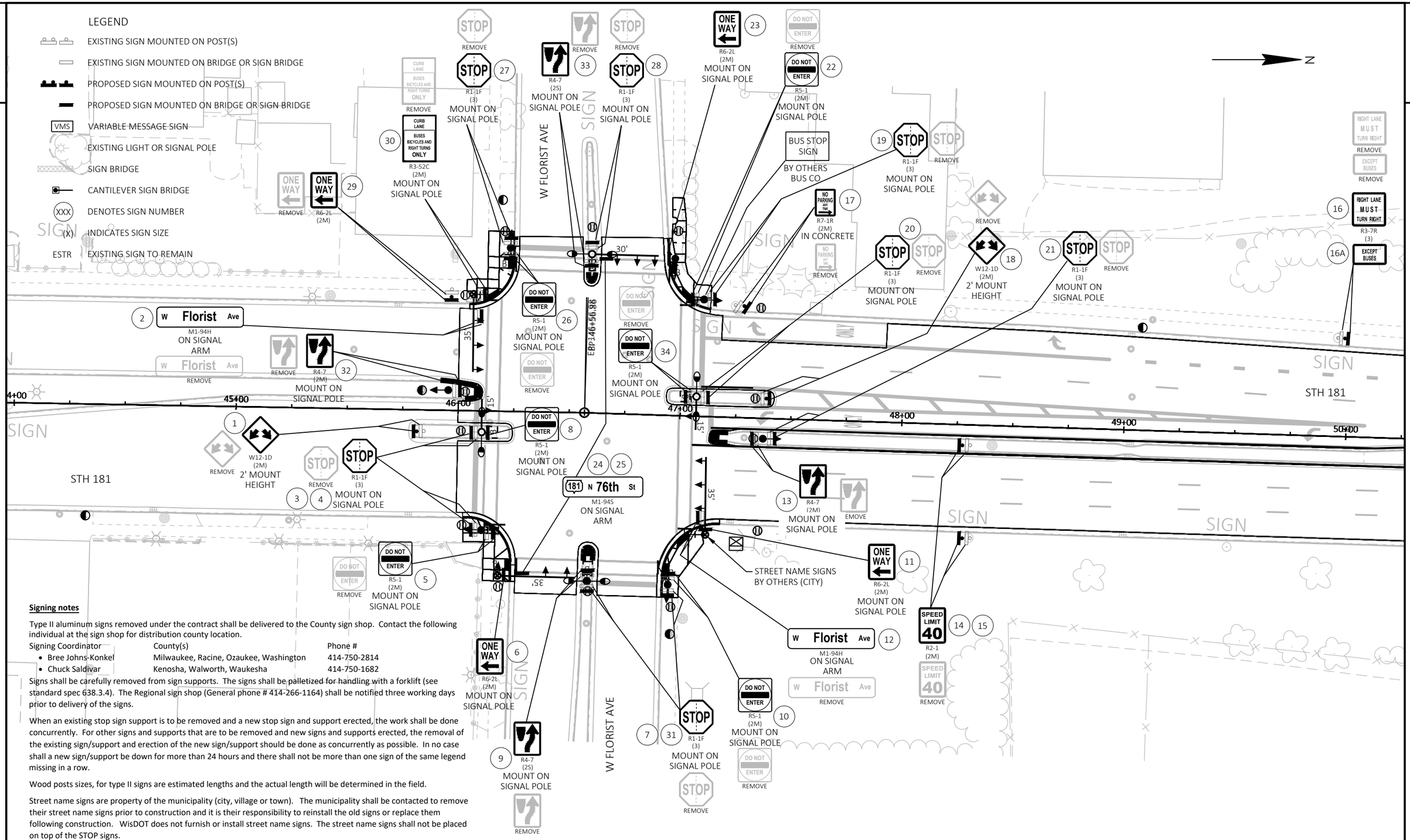
120+00 121+00 122+00

CAUTION

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STORM SEWER PLAN	SHEET 113	E

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN



Signing notes

Type II aluminum signs removed under the contract shall be delivered to the County sign shop. Contact the following individual at the sign shop for distribution county location.

Signing Coordinator	County(s)	Phone #
• Bree Johns-Konkel	Milwaukee, Racine, Ozaukee, Washington	414-750-2814
• Chuck Saldivar	Kenosha, Walworth, Waukesha	414-750-1682

Signs shall be carefully removed from sign supports. The signs shall be palletized for handling with a forklift (see standard spec 638.3.4). The Regional sign shop (General phone # 414-266-1164) shall be notified three working days prior to delivery of the signs.

When an existing stop sign support is to be removed and a new stop sign and support erected, the work shall be done concurrently. For other signs and supports that are to be removed and new signs and supports erected, the removal of the existing sign/support and erection of the new sign/support should be done as concurrently as possible. In no case shall a new sign/support be down for more than 24 hours and there shall not be more than one sign of the same legend missing in a row.

Wood posts sizes, for type II signs are estimated lengths and the actual length will be determined in the field.

Street name signs are property of the municipality (city, village or town). The municipality shall be contacted to remove their street name signs prior to construction and it is their responsibility to reinstall the old signs or replace them following construction. WisDOT does not furnish or install street name signs. The street name signs shall not be placed on top of the STOP signs.

Box out or coring of concrete for sign posts is incidental to the post.

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 114	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 01
PLOT DATE : 1/29/2025 8:34 AM
PLOT BY : MARTENS, KAREN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

41 — REMOVE NO PARKING ANY TIME — R7-1D (2M)

40 — REMOVE BEGIN LEFT TURN LANE — R3-20L (2M)

38 39 — REMOVE — W3-3 (2M)

37 — REMOVE RIGHT LANE MUST TURN RIGHT — R3-7R (3)

37A — REMOVE EXCEPT BUSES

35 — NO PARKING ANY TIME — R7-1D (2M)

REMOVE NO PARKING ANY TIME

36 — WS-52R (2M) 4' MOUNT HEIGHT — REMOVE

SIGN

DOUGLAS AVE

STH 181

50+00 51+00 52+00 53+00 54+00 55+00 56+00

SHEET 2 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 115	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 02

PLOT DATE : 1/29/2025 8:35 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

2

SIGN

REMOVE

47

W5-52R
(2M)
4' MOUNT
HEIGHT

SIGN

REMOVE

NO PARKING ANY TIME

46

R7-1D
(2M)

SIGN

STH 181

56+00

57+00

58+00

59+00

60+00

61+00

STH 181

SIGN

SIGN

42

SPEED LIMIT 40

R2-1
(2M)

43

NO PARKING ANY TIME

R7-1D
(2M)

SPEED LIMIT 40

REMOVE

NO PARKING ANY TIME

REMOVE

44

45

SPEED LIMIT 40

R2-1
(2M)

SPEED LIMIT 40

REMOVE

48

NO PARKING ANY TIME

R7-1D
(2M)

NO PARKING ANY TIME

REMOVE

SHEET 3 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 116	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 03

PLOT DATE : 1/29/2025 8:35 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

57 58 NO PARKING ANY TIME R7-1D (2M) REMOVE

56 R4-7 (2M) IN CONCRETE REMOVE

SIGN

62+00 63+00 64+00 65+00 66+00 67+00

STH 181

W WINFIELD AVE

49 NO PARKING ANY TIME R7-1D (2M) REMOVE

50 R4-7 (2M) REMOVE

51 52 W3-3 (2M) REMOVE

53 BEGIN LEFT TURN LANE R3-20L (2M) REMOVE

54 JCT COUNTY S J1-1 (2M) MOUNT ON LIGHT POLE REMOVE

55 JCT COUNTY S J1-1 (2M)

SHEET 4 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 117	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 04

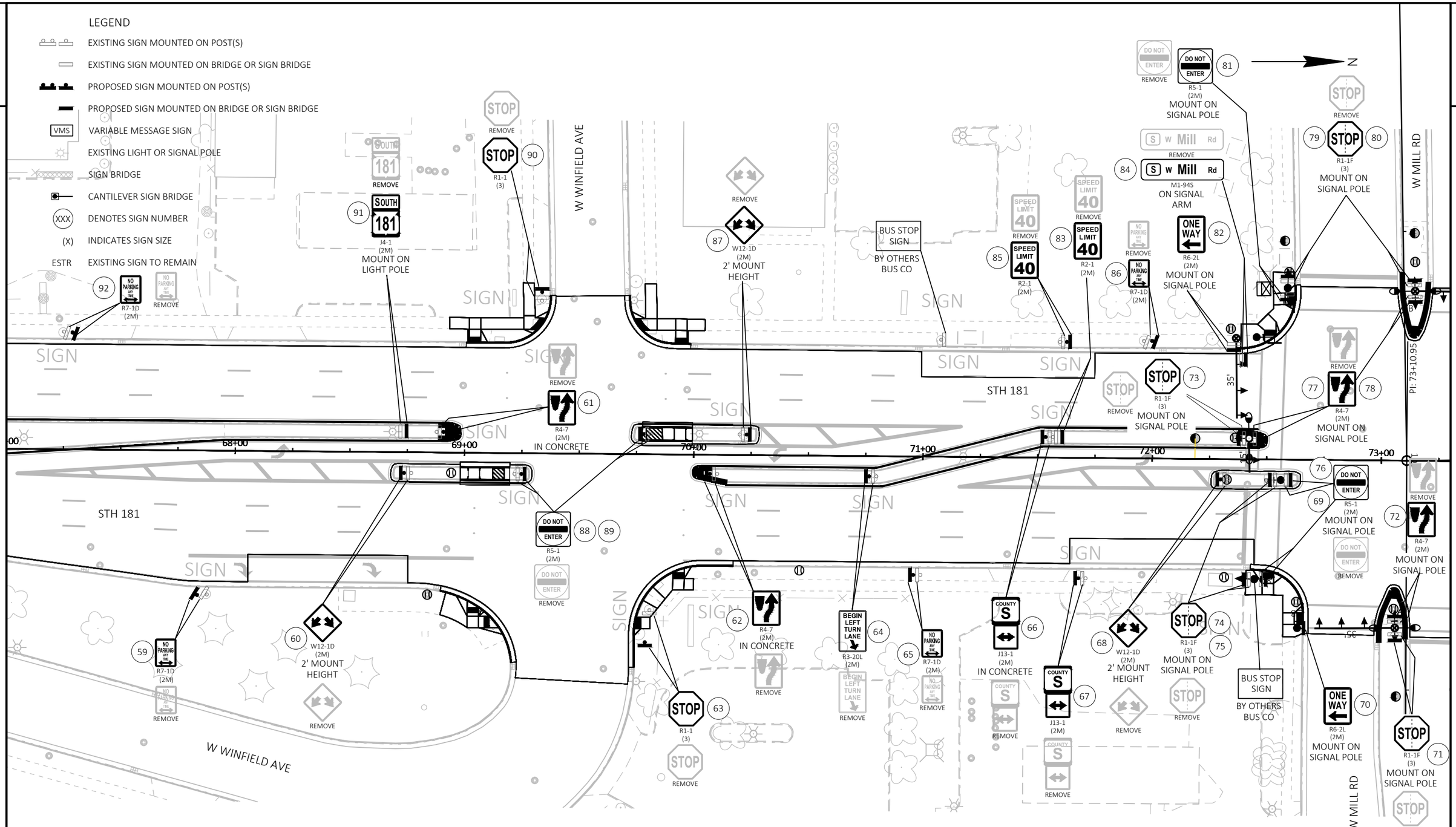
PLOT DATE : 1/29/2025 8:35 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN



SHEET 5 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 118	E

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

W MILL RD

SIGN SIGN SIGN

35'

PI: 73+10.95

PI: 105+00.00

73+00 74+00 75+00 76+00 77+00 78+00

STH 181

SIGN

117 ONE WAY R6-2L (2M) MOUNT ON SIGNAL POLE

COUNTY S REMOVE

116 COUNTY S J13-1 (2M)

STOP REMOVE

111 112 STOP R1-1F (3) MOUNT ON SIGNAL POLE

NO PARKING ANY TIME REMOVE

108 NO PARKING ANY TIME R7-1D (2M)

NO PARKING ANY TIME REMOVE

106 NO PARKING ANY TIME R7-1D (2M)

BEGIN LEFT TURN LANE REMOVE

107 BEGIN LEFT TURN LANE R3-20L (2M)

NORTHWEST HEALTH CENTER

PERMIT SIGN ON LIGHT POLE ESTR

REMOVE

105 R4-7 (2M) IN CONCRETE

113 114 DO NOT ENTER R5-1 (2M) MOUNT ON SIGNAL POLE

115A 181 N 76th St M1-94S ON SIGNAL ARM

DO NOT ENTER REMOVE

109 W12-1D (2M) 2' MOUNT HEIGHT

REMOVE

115 181 N 76th St M1-94S ON SIGNAL ARM

REMOVE

93 94 R4-7 (2M) MOUNT ON SIGNAL POLE

98 ONE WAY R6-2L (2M) MOUNT ON SIGNAL POLE

110 STOP R1-1F (3) MOUNT ON SIGNAL POLE

STOP REMOVE

100 NORTH 181 J4-1 (2M)

NORTH 181 REMOVE

97 DO NOT ENTER R5-1 (2M) MOUNT ON SIGNAL POLE

99 S W Mill Rd M1-94S ON SIGNAL ARM

S W Mill Rd REMOVE

DO NOT ENTER REMOVE

95 96 STOP R1-1F (3) MOUNT ON SIGNAL POLE

STOP REMOVE

101 BEGIN LEFT TURN LANE R3-20L (2M)

BEGIN LEFT TURN LANE REMOVE

102 SPEED LIMIT 40 R2-1 (2M)

103 NO PARKING ANY TIME R7-1D (2M)

SPEED LIMIT 40 REMOVE

NO PARKING ANY TIME REMOVE

BUS STOP SIGN BY OTHERS BUS CO

104 W12-1D (2M) 2' MOUNT HEIGHT

REMOVE

SHEET 6 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 119	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 06

PLOT DATE : 1/29/2025 8:36 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

W CLOVERNOOK ST

STH 181

136 STOP R1-1 (3) — REMOVE

137 R4-7 (2M) — IN CONCRETE

135 DO NOT ENTER R5-1 (2M)

BUS STOP SIGN — BY OTHERS BUS CO

134 JCT COUNTY S J1-1 (2M) — REMOVE

133 JCT COUNTY S J1-1 (2M)

132 W12-1D (2M) — 2' MOUNT HEIGHT — REMOVE

130 NO PARKING ANY TIME R7-1D (2M) — REMOVE

129 BEGIN LEFT TURN LANE R3-20L (2M) — REMOVE

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

138 139 DO NOT ENTER R5-1 (2M) — IN CONCRETE

BUS STOP SIGN — BY OTHERS BUS CO

118 DO NOT ENTER R5-1 (2M)

119 R4-7 (2M) — IN CONCRETE — REMOVE

120 W3-3 (2M) — REMOVE

121 W3-3 (2M) — IN CONCRETE — REMOVE

122 NO PARKING ANY TIME R7-1D (2M) — REMOVE

123 124 S1-1 (2M)

123A 124A AHEAD S16-9P (2M)

125 126 FINES HIGHER R2-6P (2M)

127 BEGIN LEFT TURN LANE R3-20L (2M) — REMOVE

128 NO PARKING ANY TIME R7-1D (2M) — REMOVE

SIGN

SHEET 7 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 120	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 07

PLOT DATE : 1/29/2025 8:36 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

W Acacia St
REMOVE

170 W Acacia St
M1-94H
ON SIGNAL ARM

168 NO TURN ON RED WHEN CHILDREN ARE PRESENT
R10-11S
(2M)
MOUNT ON SIGNAL POLE

STOP
REMOVE

166 STOP
R1-1F
(3)
MOUNT ON SIGNAL POLE

NO PARKING ANY TIME
REMOVE

171 NO PARKING ANY TIME
R7-1D
(2M)

ONE WAY 167
R6-2L
(2M)
MOUNT ON SIGNAL POLE

SIGN

STOP
REMOVE

STOP 172
R1-1F
(3)
MOUNT ON SIGNAL POLE

169 R4-7
(2M)
MOUNT ON SIGNAL POLE
REMOVE

STH 181

85+00

86+00

87+00

88+00

89+00

90+00

W ACACIA ST

10'

20'

35'

165 181 N 76th St
M1-94S
ON SIGNAL ARM

DO NOT ENTER 163
R5-1
(2M)
MOUNT ON SIGNAL POLE

REMOVE

162 S1-1
(2M)

162A S16-7L
(2M)

NO TURN ON RED
REMOVE

STOP
REMOVE

154 NO TURN ON RED WHEN CHILDREN ARE PRESENT
R10-11S
(2M)

157 STOP
R1-1F
(3)
MOUNT ON SIGNAL POLE

161 S1-1
(2M)

REMOVE

161A S16-7R
(2M)

STOP
REMOVE

158 STOP
R1-1F
(3)
MOUNT ON SIGNAL POLE

NO PARKING ANY TIME
REMOVE

156 NO PARKING ANY TIME
R7-1D
(2M)

155 W12-1D
(2M)
2' MOUNT HEIGHT
REMOVE

DO NOT ENTER 164 164A
R5-1
(2M)
MOUNT ON SIGNAL POLE

DO NOT ENTER
REMOVE

142 W12-1D
(2M)
2' MOUNT HEIGHT
REMOVE

141 S1-1
(2M)

140 S16-7R
(2M)

143 STOP
R1-1F
(3)
MOUNT ON SIGNAL POLE

REMOVE

STOP
REMOVE

144 S1-1
(2M)

144A S16-7L
(2M)

NO TURN ON RED WHEN CHILDREN ARE PRESENT 145
R10-11S
(2M)

STOP 146
R1-1F
(3)
MOUNT ON SIGNAL POLE

NO TURN ON RED
REMOVE

STOP
REMOVE

BUS STOP SIGN
BY OTHERS
BUS CO

160 181 N 76th St
M1-94S
ON SIGNAL ARM

W ACACIA ST

ONE WAY 151
R6-2L
(2M)
MOUNT ON SIGNAL POLE

153 R4-7
(2M)
MOUNT ON SIGNAL POLE

REMOVE

ONE WAY 152
R6-2R
(2S)
IN CONCRETE

STOP 159
R1-1F
(3)
MOUNT ON SIGNAL POLE

STOP
REMOVE

W Acacia St
150 M1-94H
ON SIGNAL ARM

W Acacia St
REMOVE

NO TURN ON RED WHEN CHILDREN ARE PRESENT 148
R10-11S
(2M)

STOP 147
R1-1F
(3)
MOUNT ON SIGNAL POLE

NO TURN ON RED
REMOVE

STOP
REMOVE

NO TURN ON RED WHEN CHILDREN ARE PRESENT 149
R10-11S
(2M)
MOUNT ON SIGNAL POLE

NO TURN ON RED
REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

SHEET 8 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 121	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 08

PLOT DATE : 1/29/2025 8:36 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

182 183 S1-1 (2M)
182A 183A AHEAD S16-9P (2M)
182B 183B FINES HIGHER R2-6P (2M)
AHEAD REMOVE
FINES HIGHER REMOVE
BEGIN LEFT TURN LANE REMOVE
181 BEGIN LEFT TURN LANE R3-20L (2M)
NO PARKING ANY TIME REMOVE
180 NO PARKING ANY TIME R7-1D (2M)
NO PARKING ANY TIME REMOVE
179 NO PARKING ANY TIME R7-1D (2M)
SIGN
STH 181
90+00 91+00 92+00 93+00 94+00 95+00 96+00
173 SPEED LIMIT 40 R2-1 (2M)
174 NO PARKING ANY TIME R7-1D (2M)
SPEED LIMIT 40 REMOVE
NO PARKING ANY TIME REMOVE
175 SPEED LIMIT 40 R2-1 (2M)
SPEED LIMIT 40 REMOVE
177 NO PARKING ANY TIME R7-1D (2M)
NO PARKING ANY TIME REMOVE
176 W Green Tree Rd NEXT SIGNAL D1-65
W Green Tree Rd NEXT SIGNAL REMOVE
178 NO PARKING ANY TIME R7-1D (2M)
NO PARKING ANY TIME REMOVE

SHEET 9 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 122	E

FILE NAME : N:\PDS\C3D\CAD\214014000\SIGN\023201_PS.DWG
LAYOUT NAME - 09
PLOT DATE : 1/29/2025 8:37 AM
PLOT BY : MARTENS, KAREN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

W GREEN TREE RD

STH 181

96+00 97+00 98+00 99+00 100+00 101+00 102+00

PI: 99+70.27

PI: 12+00.08

30'

35'

35'

SIGN

184 BEGIN LEFT TURN LANE, R3-20L (2M)
REMOVE

185 W12-1D (2M) 2' MOUNT HEIGHT
REMOVE

186 STOP, R1-1F (3) MOUNT ON SIGNAL POLE

187 188 STOP, R1-1F (3) MOUNT ON SIGNAL POLE
REMOVE

BUS STOP SIGN BY OTHERS BUS CO

189 STOP, R1-1F (3) MOUNT ON SIGNAL POLE
RIGHT LANE MUST TURN RIGHT — REMOVE
STOP — REMOVE

190 RIGHT LANE MUST TURN RIGHT, R3-7R (2S)

191 W Green Tree Rd, M1-94H ON SIGNAL ARM
W Green Tree Rd — REMOVE

192 W Green Tree Rd, M1-94H ON SIGNAL ARM
W Green Tree Rd — REMOVE

193 NO PARKING ANY TIME, R7-1D (2M)
REMOVE

194 W12-1D (2M) 2' MOUNT HEIGHT
REMOVE

195 196 197 STOP, R1-1F (3) MOUNT ON SIGNAL POLE
STOP — REMOVE

198 DO NOT ENTER, R5-1 (2M) MOUNT ON SIGNAL POLE
DO NOT ENTER — REMOVE

199 R4-7 (2M) MOUNT ON SIGNAL POLE
REMOVE

200 181 N 76th St, M1-94S ON SIGNAL ARM

201 181 N 76th St, M1-94S ON SIGNAL ARM

202 DO NOT ENTER, R5-1 (2M) MOUNT ON SIGNAL POLE

203 STOP, R1-1F (3) MOUNT ON SIGNAL POLE
STOP — REMOVE

204 ONE WAY, R6-2L (2M) MOUNT ON SIGNAL POLE

205 R4-7 (2M) MOUNT ON SIGNAL POLE
REMOVE

206 NO PARKING ANY TIME, R7-1D (2M)
REMOVE

207 208 SPEED LIMIT 40, R2-1 (2M)
SPEED LIMIT 40 — REMOVE

209 DO NOT ENTER, R5-1 (2M) MOUNT ON SIGNAL POLE
DO NOT ENTER — REMOVE

BUS STOP SIGN BY OTHERS BUS CO

SHEET 10 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 123	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 10

PLOT DATE : 1/29/2025 8:37 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

W DENVER AVE

STH 181

102+00 103+00 104+00 105+00 106+00 107+00

SIGN

REMOVE

NO PARKING ANY TIME — R7-1D (2M) — 230

W Green Tree Rd NEXT SIGNAL — D1-65 — 229

BEGIN LEFT TURN LANE — R3-20L (2M) — 228

NO PARKING ANY TIME — R7-1D (2M) — 227

W3-3 (2M) — 225 226

STOP — R1-1 (3) — 224

R4-7 (2M) IN CONCRETE — 222

DO NOT ENTER — R5-1 (2M) — 221

BUS STOP SIGN — BY OTHERS BUS CO

W12-1D (2M) 2' MOUNT HEIGHT — 220

SPEED LIMIT 40 — R2-1 (2M) — 210

NO PARKING ANY TIME — R7-1D (2M) — 211

SPEED LIMIT 40 — R2-1 (2M) — 212

ONE WAY — R6-2R (2S) — 213

BEGIN LEFT TURN LANE — R3-20L (2M) — 214

W12-1D (2M) 2' MOUNT HEIGHT — 215

BUS STOP SIGN — BY OTHERS BUS CO

DO NOT ENTER — R5-1 (2M) — 217

R3-2 (2S) IN CONCRETE — 216

DO NOT ENTER — R5-1 (2M) IN CONCRETE — 218

R4-7 (2M) IN CONCRETE — 219

283 284 283A 284A AHEAD — W11-2 (2M) W16-9P (2M)

SHEET 11 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 124	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 11

PLOT DATE : 1/29/2025 8:37 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

2

249 NO PARKING ANY TIME R7-1D (2M)
REMOVE NO PARKING ANY TIME
248 BEGIN LEFT TURN LANE R3-20L (2M)
REMOVE BEGIN LEFT TURN LANE
247 R4-7 (2M)
REMOVE
244 NO PARKING ANY TIME R7-1D (2M)
REMOVE NO PARKING ANY TIME
243 W11-2 (2M)
243A W16-7L (2M)
SPEED LIMIT 40 R2-1 (2M)
REMOVE SPEED LIMIT 40
240 241
239 BEGIN LEFT TURN LANE R3-20L (2M)

SIGN

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

STH 181

231 BEGIN LEFT TURN LANE R3-20L (2M)
REMOVE BEGIN LEFT TURN LANE
232 NO PARKING ANY TIME R7-1D (2M)
REMOVE NO PARKING ANY TIME
233 R4-7 (2M)
242 W11-2 (2M)
242A W16-7L (2M)
234 NO PARKING ANY TIME R7-1D (2M)
REMOVE NO PARKING ANY TIME
245 246 W11-2 (2M)
245A 246A W16-7R (2M)
14'-6" 235 236 W12-2 (2M)
SPEED LIMIT 40 R2-1 (2M)
237 238
REMOVE SPEED LIMIT 40

SHEET 12 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 125 E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 12
PLOT DATE : 1/29/2025 8:38 AM
PLOT BY : MARTENS, KAREN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

2

REMOVE
NO PARKING ANY TIME
261
R7-1D (2M)

SIGN

W11-2 (2M)
259
260
AHEAD
W16-9P (2M)
259A
260A

RIDESHARE INFO CALL 1-800-455-POOL
REMOVE

RIDESHARE INFORMATION www.rideshare.wi.gov
258
D12-2B (2M)

REMOVE
NO PARKING ANY TIME
257
R7-1D (2M)

SIGN

STH 181

114+00
115+00
116+00
117+00
118+00
119+00

SIGN

STH 181

SIGN

NO PARKING ANY TIME
250
R7-1D (2M)
REMOVE

W3-3 (2M)
251
252

JCT
COUNTY PP
J1-1 (2M)
253
254

Good Hope Rd
7200 NORTH
NEXT SIGNAL
255
256
D1-65

JCT
COUNTY PP
REMOVE

Good Hope Rd
7200 NORTH
NEXT SIGNAL
REMOVE

SHEET 13 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 126	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 13

PLOT DATE : 1/29/2025 8:38 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

STOP R1-1
PRIVATE PROPERTY SIGN BY OTHERS

287 W11-2 (2M)
287A W16-7L (2M)

286 REMOVE R4-7 (2M)

282 REMOVE NO PARKING ANY TIME R7-1D (2M)

281 REMOVE SOUTH 181 J4-1 (2M)

279 280 14'-6" W12-2 (2M)

278 REMOVE NO PARKING ANY TIME R7-1D (2M)

285 277 W11-2 (2M)
285A 277A AHEAD W16-9P (2M)

EXISTING OVERHEAD SIGN STRUCTURE TO REMAIN S-40-913

STH 181

119+00 120+00 121+00 122+00 123+00 124+00 125+00

20'

STH 181

289 290 289A 290A W16-7R (2M)

262 NO PARKING ANY TIME R7-1D (2M) REMOVE

288 288A W11-2 (2M) W16-7L (2M)

263 264 DO NOT ENTER R5-1 (2M)

265 266 R3-2 (2S)

267 RIGHT TURN ONLY R3-53R (2S) REMOVE

268 R4-7 (2M)

269 R3-2 (2M) REMOVE

271 BEGIN LEFT TURN LANE R3-20L (2M) REMOVE

270 ONE WAY R6-2R (2M) REMOVE

272 NO PARKING ANY TIME R7-1D (2M) REMOVE

275 276 ONLY R3-5L (3)
ON EXISTING OVERHEAD SIGN SUPPORT ARM I-BEAM INCIDENTAL
ONLY R3-5L (3) REMOVE

274 COUNTY PP J13-1 (2M)
ON S-40-913
REMOVE

273 COUNTY PP J13-1 (2M) REMOVE

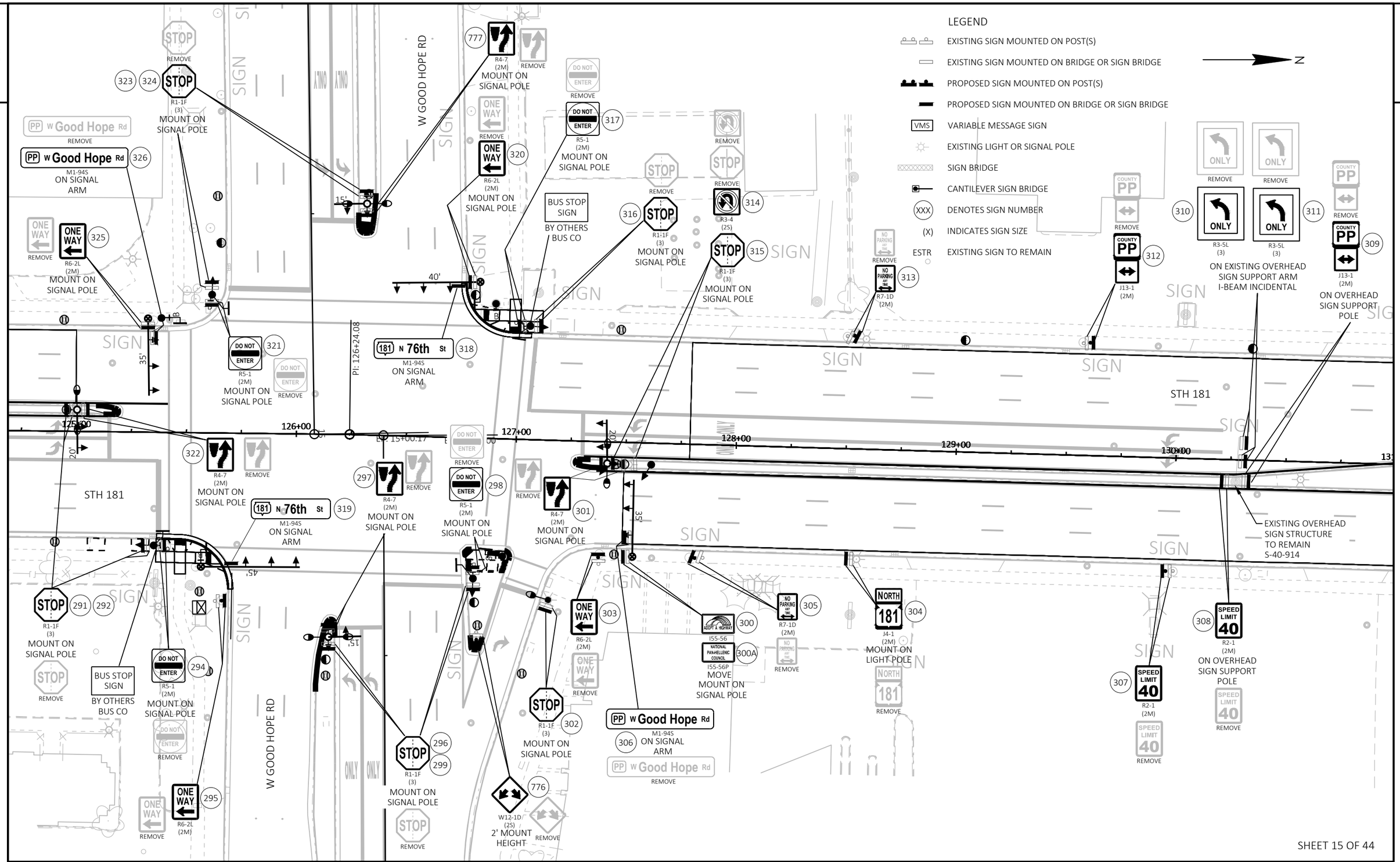
SHEET 14 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 127	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 14

PLOT DATE : 1/29/2025 8:38 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 128 E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 15

PLOT DATE : 1/29/2025 8:39 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

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

STH 181

328 R3-2 (2M) REMOVE

327 R7-1D (2M) REMOVE

330 DO NOT ENTER R5-1 (2M) REMOVE

329 RIGHT TURN ONLY R3-53R (2S) REMOVE

332 R4-7 (2M)

331 R3-2 (2S) REMOVE

333 ONE WAY R6-2R (2M) REMOVE

334 BEGIN LEFT TURN LANE R3-20L (2M) REMOVE

335 R7-1D (2M) REMOVE

336 W12-1D (2M) 2' MOUNT HEIGHT REMOVE

346 W3-3 (2M)

348 NO PARKING ANY TIME R7-1D (2M) REMOVE

345 BEGIN LEFT TURN LANE R3-20L (2M) REMOVE

344 W3-3 (2M) REMOVE

342 RIGHT TURN ONLY R3-53R (2S) REMOVE

343 W12-1D (2M) 2' MOUNT HEIGHT REMOVE

341 R3-4 (2M) REMOVE

341A 3PM - 6PM WEEKDAYS

340 CORE IN CONCRETE JCT COUNTY PP J1-1 (2M)

339 JCT COUNTY PP J1-1 (2M) REMOVE

338 ADOPT A HIGHWAY I55-56

338A SERVANT MANOR I55-56P MOVE MOUNT ON LIGHT POLE

337 BEGIN LEFT TURN LANE R3-20L (2M) REMOVE

SHEET 16 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 129	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 16

PLOT DATE : 1/29/2025 8:39 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

W CLINTON AVE

STH 181

STH 181

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

STOP REMOVE
360 STOP R1-1 (3)
NO PARKING ANY TIME REMOVE
362 NO PARKING ANY TIME R7-1D (2M)
361 R4-7 (2M)
REMOVE
BUS STOP SIGN BY OTHERS BUS CO
REMOVE
359 W12-1D (2M) 2' MOUNT HEIGHT
NO PARKING ANY TIME REMOVE
358 NO PARKING ANY TIME R7-1D (2M)
BEGIN LEFT TURN LANE REMOVE
357 BEGIN LEFT TURN LANE R3-20L (2M)
351 DO NOT ENTER 352 R5-1 (2M) IN CONCRETE
DO NOT ENTER REMOVE
BUS STOP SIGN BY OTHERS BUS CO
NO PARKING ANY TIME 349 R7-1D (2M)
NO PARKING ANY TIME REMOVE
350 R4-7 (2M) IN CONCRETE
REMOVE
RIGHT LANE ENDS 783 784 W9-1R (2M)
16X16 TEMPORARY FLAGS
353 354 SPEED LIMIT 40 R2-1 (2M)
SPEED LIMIT 40 REMOVE
355 356 W11-2 (2M)
355A 356A AHEAD W16-9P (2M)

SHEET 17 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 130	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 17

PLOT DATE : 1/29/2025 8:39 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

381 R4-7 (2M) REMOVE

382 W11-2 (2M) REMOVE
382A W16-7L (2M)

380 W11-2 (2M) REMOVE
380A W16-7R (2M)

379 R5-1 (2M) DO NOT ENTER REMOVE

378 R3-4 (2S) REMOVE
MOUNT ON LIGHT POLE

377 W12-1D (2M) REMOVE
2' MOUNT HEIGHT

376 R7-1D (2M) NO PARKING ANY TIME REMOVE

R1-1 (3) STOP
PRIVATE SIGN

375 R3-20L (2M) BEGIN LEFT TURN LANE REMOVE

STH 181

143+00 144+00 145+00 146+00 147+00 148+00

368 R5-1 (2M) DO NOT ENTER
IN CONCRETE

363 R3-2 (2M) REMOVE

364 W11-2 (2M)
364A W16-7R (2M)
REMOVE REMOVE

366 W11-2 (2M)
366A W16-7L (2M)
REMOVE REMOVE

785 786 W4-2R (2M)

369 R4-7 (2M)
370 R3-2 (2S) REMOVE
IN CONCRETE

367 R3-53R (2S) RIGHT TURN ONLY REMOVE

371 R6-2R (2M) ONE WAY REMOVE

372 R7-1D (2M) NO PARKING ANY TIME REMOVE

373 374 W3-3 (2M) REMOVE

SIGN

SHEET 18 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 131	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 18

PLOT DATE : 1/29/2025 8:40 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

148+00 149+00 150+00 151+00 152+00 153+00 154+00

STH 181

W CALUMET RD

PI: 152+83.84

35'

25'

383 BEGIN LEFT TURN LANE R3-20L (2M)
BEGIN LEFT TURN LANE REMOVE

384 NO PARKING ANY TIME R7-1D (2M)
NO PARKING ANY TIME REMOVE

385 W12-1D (2M) 2' MOUNT HEIGHT
REMOVE

386 DO NOT ENTER R5-1 (2M) MOUNT ON SIGNAL POLE

387 181 N 76th St M1-94S ON SIGNAL ARM

388 STOP R1-1F (3) MOUNT ON SIGNAL POLE
STOP REMOVE

389 ONE WAY R6-2L (2M) MOUNT ON SIGNAL POLE
ONE WAY REMOVE

390 W Calumet Rd M1-94H ON SIGNAL ARM

391 DO NOT ENTER R5-1 (2M)
DO NOT ENTER REMOVE

392 DO NOT ENTER R5-1 (2M) MOUNT ON SIGNAL POLE
DO NOT ENTER REMOVE

393 394 395 STOP R1-1F (3) MOUNT ON SIGNAL POLE
STOP REMOVE

BUS STOP SIGN BY OTHERS BUS CO

396 397 R4-7 (2M) MOUNT ON SIGNAL POLE
REMOVE

398 DO NOT ENTER R5-1 (2M) MOUNT ON SIGNAL POLE
DO NOT ENTER REMOVE

399 181 N 76th St M1-94S ON SIGNAL ARM

STREET NAME SIGN BY OTHERS

400 R4-7 (2S) MOUNT ON SIGNAL POLE
REMOVE

401 402 STOP R1-1F (3) MOUNT ON SIGNAL POLE
STOP REMOVE

403 ONE WAY R6-2L (2M) MOUNT ON SIGNAL POLE
ONE WAY REMOVE

404 W Calumet Rd M1-94H ON SIGNAL ARM
W Calumet Rd REMOVE

405 406 SPEED LIMIT 40 R2-1 (2M)
SPEED LIMIT 40 REMOVE

407 SOUTH 181 J4-1 (2M) MOUNT ON LIGHT POLE
SOUTH 181 REMOVE

408 NO PARKING ANY TIME R7-1D (2M)
NO PARKING ANY TIME REMOVE

409 410 W11-2 (2M)
REMOVE

409A 410A AHEAD W16-9P (2M)
AHEAD REMOVE

SIGN

SHEET 19 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 132	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 19

PLOT DATE : 1/29/2025 8:40 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

424 DO NOT ENTER R5-1 (2M) MOUNT ON SIGNAL POLE

REMOVE DO NOT ENTER

BUS STOP SIGN BY OTHERS BUS CO

STOP R1-1F (3) MOUNT ON SIGNAL POLE

REMOVE STOP

420 421 422

REMOVE

W12-1D (2M) 2' MOUNT HEIGHT 423

REMOVE NO PARKING ANY TIME

R7-1D (2M) 419

REMOVE BEGIN LEFT TURN LANE

BEGIN LEFT TURN LANE R3-20L (2M) 418

SIGN

STH 181

154+00 155+00 156+00 157+00 158+00 159+00

35'

DO NOT ENTER R5-1 (2M) 425

REMOVE DO NOT ENTER

NORTH 181 J4-1 (2M) MOUNT ON LIGHT POLE 411

REMOVE NORTH 181

NO PARKING ANY TIME R7-1D (2M) 412

REMOVE NO PARKING ANY TIME

SPEED LIMIT 40 R2-1 (2M) 413 414

REMOVE SPEED LIMIT 40

W11-2 (2M) 415 416

AHEAD W16-9P (2M) 415A 416A

BEGIN LEFT TURN LANE R3-20L (2M) 417

REMOVE BEGIN LEFT TURN LANE

SHEET 20 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 133	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 20

PLOT DATE : 1/29/2025 8:40 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

NO PARKING ANY TIME — REMOVE
438 — NO PARKING ANY TIME — R7-1D (2M)

REMOVE
437 — R4-7 (2M)

436 — W11-2 (2M)
436A — W16-7L (2M)

BEGIN LEFT TURN LANE — REMOVE
434 — BEGIN LEFT TURN LANE — R3-20L (2M)

NO PARKING ANY TIME — REMOVE
433 — NO PARKING ANY TIME — R7-1D (2M)

SPEED LIMIT 40 — REMOVE
431 432 — SPEED LIMIT 40 — R2-1 (2M)

SIGN

STH 181

160+00 161+00 162+00 163+00 164+00 165+00

435 — W11-2 (2M)
435A — W16-7L (2M)

426 — R4-7 (2M) MOUNT ON LIGHT POLE — REMOVE

427 428 — W11-2 (2M)
427A 428A — W16-7R (2M)

429 430 — SPEED LIMIT 40 — R2-1 (2M)

SPEED LIMIT 40 — REMOVE

SHEET 21 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 134	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 21

PLOT DATE : 1/29/2025 8:41 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

2

453 W11-2 (2M)
453A W16-7R (2M)
454 R7-1D (2M)
452 W11-2 (2M)
452A W16-7L (2M)
450 R1-1 (3)
449 R5-1 (2M)
448 R3-1 (2M)
447 R6-2L (2M)
445 R7-1D (2M)
446 R3-20L (2M)
451 R4-7 (2M)
439 W11-2 (2M)
439A W16-7R (2M)
440 W11-2 (2M)
440A W16-7L (2M)
441 R6-2L (2M)
442 R4-7 (2M)
443 R7-1D (2M)
444 R3-20L (2M)

REMOVE

SIGN

STH 181

165+00 166+00 167+00 168+00 169+00 170+00 171+00

WOOD POST

SHEET 22 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 135	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 22

PLOT DATE : 1/29/2025 8:41 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

W LOLITA AVE

STH 181

STH 181

STOP REMOVE
STOP 473 R1-1 (3)
NO OUTLET REMOVE
NO OUTLET 472 W14-2 (2S)
REMOVE
3 TONS OR OVER REMOVE
471 R5-2 (2S)
471A 3 TONS OR OVER R5-2A(2S)
STREET NAME SIGN BY OTHERS
BUS STOP SIGN BY OTHERS BUS CO
DO NOT ENTER REMOVE
DO NOT ENTER 469 R5-1 (2M)
REMOVE 470 W12-1D (2M) 2' MOUNT HEIGHT
NO PARKING ANY TIME REMOVE
468 R7-1D (2M)
NO PARKING ANY TIME REMOVE
ONE WAY REMOVE
475 R7-1D (2M)
ONE WAY 474 R6-2L (2M)
476 R4-7 (2M) REMOVE
477 478 W11-2 (2M)
AHEAD 477A 478A W16-9P (2M)
455 R7-1D (2M) NO PARKING ANY TIME REMOVE
456 W12-1D (2M) 2' MOUNT HEIGHT REMOVE
457 R5-1 (2M) DO NOT ENTER REMOVE
BUS STOP SIGN BY OTHERS BUS CO
458 459 R5-1 (2M) DO NOT ENTER
460 461 R3-4 (2M) IN CONCRETE REMOVE
463 R6-2L (2M) ONE WAY REMOVE
462 R4-7 (2M) REMOVE
479 R3-4 (2S) REMOVE
464 465 W3-3 (2M) REMOVE
466 R3-20L (2M) MOUNT ON LIGHT POLE BEGIN LEFT TURN LANE REMOVE
467 R7-1D (2M) NO PARKING ANY TIME REMOVE

171+00 172+00 173+00 174+00 175+00 176+00 177+00

SHEET 23 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 136 E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 23
PLOT DATE : 1/29/2025 8:41 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

W Bradley Rd — REMOVE

509 — W Bradley Rd — M1-94H — ON SIGNAL ARM

ONE WAY — REMOVE

508 — ONE WAY — R6-2L (2M) — MOUNT ON SIGNAL POLE

STOP — REMOVE

502 / 503 — STOP — R1-1F (3) — MOUNT ON SIGNAL POLE

501 — 181 N 76th St — M1-94S — ON SIGNAL ARM

W BRADLEY RD

STREET NAME SIGN BY OTHERS

DO NOT ENTER — REMOVE

497 — DO NOT ENTER — R5-1 (2M) — MOUNT ON SIGNAL POLE

STOP — REMOVE

498 — STOP — R1-1F (3) — MOUNT ON SIGNAL POLE

STOP — REMOVE

499 — STOP — R1-1F (3) — MOUNT ON SIGNAL POLE

W5-55Y — REMOVE

496 — W5-57 (2M) — 2' MOUNT HEIGHT

BUS STOP SIGN — BY OTHERS BUS CO

SOUTH 181 — 510 — J4-1 (2M) — MOUNT ON LIGHT POLE

SPEED LIMIT 40 — REMOVE

511 / 512 — SPEED LIMIT 40 — R2-1 (2M)

BEGIN LEFT TURN LANE — REMOVE

513 — BEGIN LEFT TURN LANE — R3-20L (2M)

504 — R4-7 (2S) — MOUNT ON SIGNAL POLE

REMOVE — 507 — R4-7 (2M) — MOUNT ON SIGNAL POLE

PI: 179+40.84

35'

30'

177+00 178+00 179+00 180+00 181+00 182+00

STH 181

505 / 506 — DO NOT ENTER — R5-1 (2M) — MOUNT ON SIGNAL POLE

DO NOT ENTER — REMOVE

REMOVE — 780 — R4-7 (2S) — MOUNT ON SIGNAL POLE

35'

481 — W5-57 (2M) — 2' MOUNT HEIGHT

W5-55Y — REMOVE

482 / 483 / 484 — STOP — R1-1F (3) — MOUNT ON SIGNAL POLE

STOP — REMOVE

486 — DO NOT ENTER — R5-1 (2M) — MOUNT ON SIGNAL POLE

DO NOT ENTER — REMOVE

480 — PARKS OAK LEAF TRAIL — MOVE MOUNT ON SIGNAL POLE

485 — ONE WAY — R6-2L (2M) — MOUNT ON SIGNAL POLE

181 N 76th St — 487 — M1-94S — ON SIGNAL ARM

W BRADLEY RD

488 / 489 — STOP — R1-1F (3) — MOUNT ON SIGNAL POLE

STOP — REMOVE

W Bradley Rd — 491 — M1-94H — ON SIGNAL ARM

W Bradley Rd — REMOVE

490 — ONE WAY — R6-2L (2M) — MOUNT ON SIGNAL POLE

ONE WAY — REMOVE

500 — STOP — R1-1F (3) — MOUNT ON SIGNAL POLE

STOP — REMOVE

492 / 493 — SPEED LIMIT 40 — R2-1 (2M)

SPEED LIMIT 40 — REMOVE

NORTH 181 — 495 — J4-1 (2M) — MOUNT ON LIGHT POLE

NORTH 181 — REMOVE

494 — NO PARKING ANY TIME — R7-1D (2M)

NO PARKING ANY TIME — REMOVE

SIGN

SHEET 24 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 137	E

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

W TOWER AVE

STH 181

183+00 184+00 185+00 186+00 187+00 188+00

535 NO PARKING ANY TIME R7-1D (2M) — REMOVE

534 533 R4-7 (2M)

532 BEGIN LEFT TURN LANE R3-20L (2M) — REMOVE

W Tower Ave — REMOVE

531 W Tower Ave M1-94H ON SIGNAL ARM

530 ONE WAY R6-2L (2M)

ONE WAY — REMOVE

529 STOP R1-1F (3) MOUNT ON SIGNAL POLE

STOP — REMOVE

528 DO NOT ENTER R5-1 (2M) MOUNT ON SIGNAL POLE

BUS STOP SIGN BY OTHERS BUS CO

527 STOP R1-1F (3) MOUNT ON SIGNAL POLE

STOP — REMOVE

525 526 STOP R1-1F (3) MOUNT ON SIGNAL POLE

NO PARKING ANY TIME — REMOVE

523 NO PARKING ANY TIME R7-1D (2M)

W5-55Y REMOVE

524 W5-57 (2M) 2' MOUNT HEIGHT

30'

DO NOT ENTER — REMOVE

536 DO NOT ENTER R5-1 (2M) MOUNT ON SIGNAL POLE

537 778 R4-7 (2M) MOUNT ON SIGNAL POLE

REMOVE

514 BEGIN LEFT TURN LANE R3-20L (2M)

BEGIN LEFT TURN LANE — REMOVE

515 516 STOP R1-1F (3) MOUNT ON SIGNAL POLE

STOP — REMOVE

BUS STOP SIGN BY OTHERS BUS CO

517 DO NOT ENTER R5-1 (2M) MOUNT ON SIGNAL POLE

DO NOT ENTER — REMOVE

518 STOP R1-1F (3) MOUNT ON SIGNAL POLE

519 ONE WAY R6-2L (2M) MOUNT ON SIGNAL POLE

ONE WAY — REMOVE

520 W Tower Ave M1-94H ON SIGNAL ARM

W Tower Ave — REMOVE

521 522 SPEED LIMIT 40 R2-1 (2M)

SPEED LIMIT 40 — REMOVE

SHEET 25 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 138	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023201_PS.DWG
LAYOUT NAME - 25

PLOT DATE : 1/29/2025 8:42 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

RIPRAP

REMOVE
BEGIN LEFT TURN LANE
546
R3-20L (2M)

REMOVE
544 545
W3-3 (2M)

REMOVE
NO PARKING ANY TIME
543
R7-1D (2M)

541
W5-52L (2M)
4' MOUNT HEIGHT

542
W5-52R (2M)
4' MOUNT HEIGHT

SIGN

STH 181

189+00 190+00 191+00 192+00 193+00 194+00

STH 181 (N 76TH ST)

538
R7-1D (2M)
REMOVE

539
W5-52R (2M)
4' MOUNT HEIGHT

540
W5-52L (2M)
4' MOUNT HEIGHT

SHEET 26 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 139	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 26

PLOT DATE : 1/29/2025 8:42 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

2

SIGN

REMOVE

NO PARKING ANY TIME

550

R7-1D
(2M)

SIGN

STH 181

194+00 195+00 196+00 197+00 198+00 199+00 200+00

SIGN

STH 181

SIGN

SIGN

547

R7-1D
(2M)

REMOVE

548 549

SPEED LIMIT 40

R2-1
(2M)

SPEED LIMIT 40

REMOVE

SHEET 27 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 140	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 27

PLOT DATE : 1/29/2025 8:43 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

200+00 201+00 202+00 203+00 204+00 205+00

STH 181

SIGN

551 W3-3 (2M)

552 REMOVE

553 BEGIN LEFT TURN LANE R3-20L (2M)

554 BEGIN LEFT TURN LANE R3-20L (2M)

554 BEGIN LEFT TURN LANE REMOVE

555 W5-57 (2M) 2' MOUNT HEIGHT

555 W5-55Y REMOVE

556 557 558 STOP R1-1F (3) MOUNT ON SIGNAL POLE

556 557 558 STOP REMOVE

559 560 DO NOT ENTER R5-1 (2M) MOUNT ON SIGNAL POLE

559 560 DO NOT ENTER REMOVE

561 R4-7 (2M) MOUNT ON SIGNAL POLE

562 ADOPT A HIGHWAY I55-56

562A NATIONAL PAN-HELLENIC COUNCIL I55-56P MOVE

563 564 SPEED LIMIT 40 R2-1 (3)

563 564 SPEED LIMIT 40 REMOVE

565 SOUTH 181 J4-1 (2M) MOUNT ON LIGHT POLE

565 SOUTH 181 REMOVE

566 R3-2 (2M)

566 REMOVE

567 R4-7 (2M)

568 NO PARKING ANY TIME R7-1D (2M)

568 REMOVE

NO LOITERING $500 FINE PERMIT SIGN BY OTHERS (CITY)

30'

LIGHT POLE

SHEET 28 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 141	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 28

PLOT DATE : 1/29/2025 8:43 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

SERVITE DR

181 N 76th St — M1-94S — ON SIGNAL ARM — 570

BUS STOP SIGN — BY OTHERS BUS CO

STOP — REMOVE

592 STOP — R1-1F (3) — MOUNT ON SIGNAL POLE

ONE WAY — 593 — R6-2L (2M) — MOUNT ON SIGNAL POLE

DO NOT ENTER — 590 — R5-1 (2M) — MOUNT ON SIGNAL POLE

588 STOP — R1-1F (3) — MOUNT ON SIGNAL POLE

589 STOP — R1-1F (3) — MOUNT ON SIGNAL POLE

W5-55Y — REMOVE

585 W5-57 (2M) — 2' MOUNT HEIGHT

DO NOT ENTER — REMOVE

590 DO NOT ENTER — R5-1 (2M) — MOUNT ON SIGNAL POLE

30'

206+00

207+00

208+00

209+00

210+00

211+00

STH 181

SIGN

BUS STOP SIGN — BY OTHERS BUS CO

BEGIN LEFT TURN LANE — REMOVE

584 BEGIN LEFT TURN LANE — R3-20L (2M)

NO PARKING ANY TIME — REMOVE

583 NO PARKING ANY TIME — R7-1D (2M)

594 — R4-7 (2M) — MOUNT ON SIGNAL POLE — REMOVE

W Dean Rd — M1-94H — ON SIGNAL ARM — 572

W Dean Rd — REMOVE

W Dean Rd — M1-94H — ON SIGNAL ARM — 571

W Dean Rd — REMOVE

181 N 76th St — M1-94S — ON SIGNAL ARM — 569

W DEAN RD

573 STOP — R1-1F (3) — MOUNT ON SIGNAL POLE

STOP — REMOVE

STREET NAME SIGN BY OTHERS (CITY)

ONE WAY — 574 — R6-2L (2M) — MOUNT ON SIGNAL POLE

587 STOP — R1-1F (3) — MOUNT ON SIGNAL POLE

STOP — REMOVE

ADOPT A HIGHWAY — 579 — I55-56

AMBI COUNSELING SERVICES — 579A — I55-56P — MOVE

NORTH 181 — 575 — J4-1 (2M) — MOUNT ON LIGHT POLE

NORTH 181 — REMOVE

NO PARKING ANY TIME — 578 — R7-1D (2M)

NO PARKING ANY TIME — REMOVE

JCT 100 — 576 577 — J1-1 (2M)

JCT 100 — REMOVE

BY OTHERS PERMIT CATHERINE CATHOLIC CHURCH

SPEED LIMIT 45 — 582 — R2-1 (3)

581 W Brown Deer Rd 8800 N USE HWY 100 — D1-1 MOD

W Brown Deer Rd 8800 N USE HWY 100 — REMOVE

SPEED LIMIT 45 — 580 — R2-1 (3)

SPEED LIMIT 45 — REMOVE

SHEET 29 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 142	E

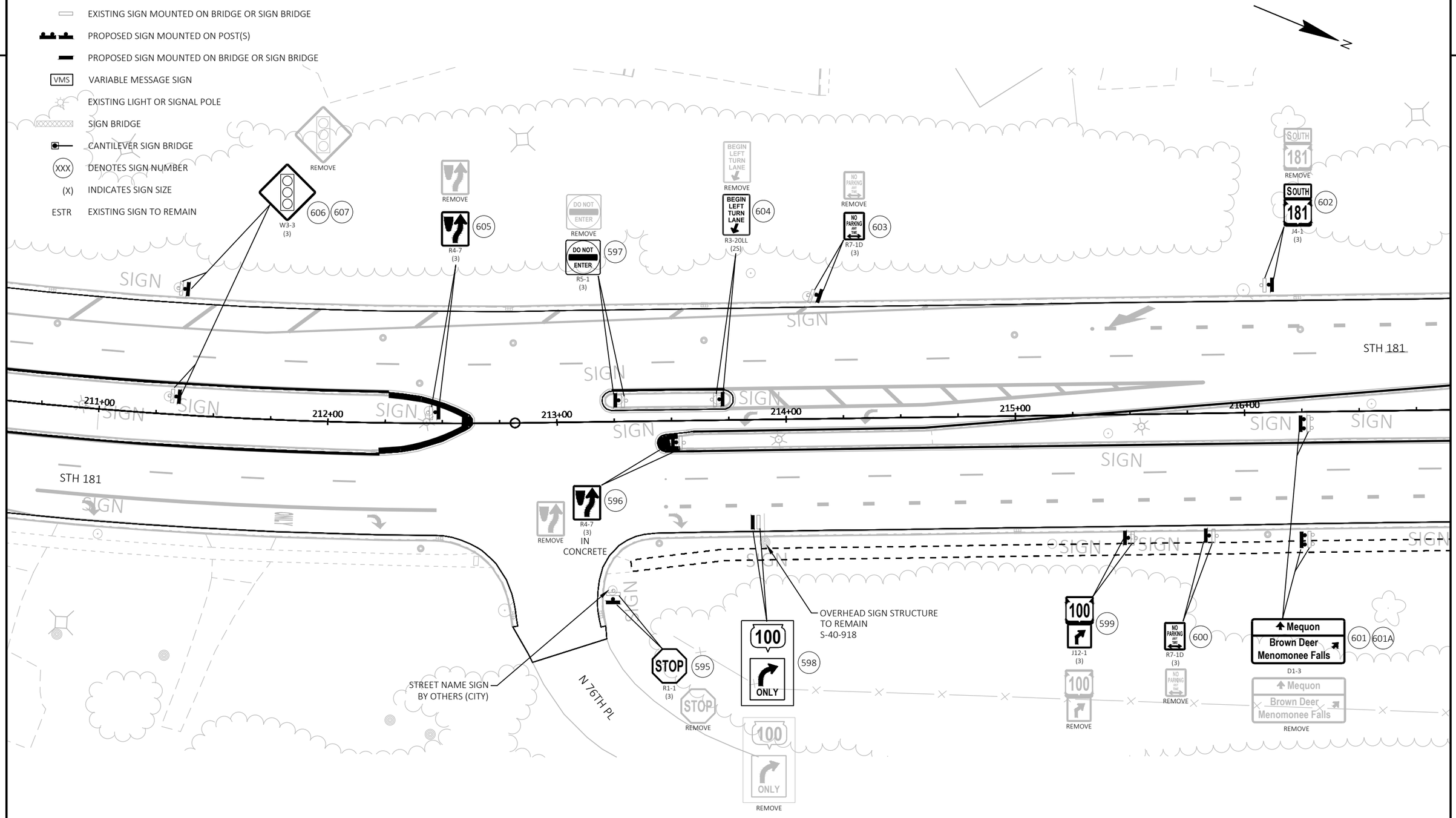
FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 29

PLOT DATE : 1/29/2025 8:43 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN



SHEET 30 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 143	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 30

PLOT DATE : 1/29/2025 8:44 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

BEGIN LEFT TURN LANE
REMOVE

BEGIN LEFT TURN LANE
R3-20L
(3)
614

SPEED LIMIT 45
REMOVE

SPEED LIMIT 45
R2-1
(3)
612
613

BY OTHERS
PERMIT
CATHERINE CATHOLIC CHURCH -
EXISTING SIGN TO REMAIN, CONTACT
TRAFFIC OPS SE REGION SIGNING AND
MARKING IF IMPACTED

YIELD
REMOVE

YIELD
R1-2
(3)
611

SIGN

217+00
218+00
219+00
220+00
221+00
222+00

STH 181

RIGHT LANE MUST TURN RIGHT
R3-7R
(3)
608

100
J13-1
(3)
609

100
REMOVE

NO PARKING ANY TIME
R7-1D
(3)
610

NO PARKING ANY TIME
REMOVE

SHEET 31 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 144	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 31

PLOT DATE : 7/24/2025 10:59 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

REMOVE
W4-3R
(3)
620

EXISTING SIGNS TO REMAIN ALONG RAMP

SIGN

619
NO PARKING
R7-1D
(3)
REMOVE

223+00
224+00
225+00
226+00
227+00
228+00

STH 181

EXIT
E5-1
(3)
615

SPEED LIMIT 45
R2-1
(3)
616
617

REMOVE

618
NO PARKING
R7-1D
(3)
REMOVE

EXISTING SIGNS TO REMAIN ALONG RAMP

SHEET 32 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 145	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 32

PLOT DATE : 1/29/2025 8:44 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

EXISTING SIGNS TO REMAIN ALONG RAMP

STH 181 (N 76TH ST) SB ON RAMP

REMOVE
622
NO PARKING ANY TIME
R7-1D
(3)

STH 100 (W BROWN DEER RD)

STH 181 (N 76TH ST)

STH 181

228+00 229+00 230+00 231+00 232+00 233+00 234+00

345+00 346+00 347+00 348+00 349+00

621
NO PARKING ANY TIME
R7-1D
(3)
REMOVE

623
W5-52R
(3)
4' MOUNT HEIGHT

SB21 SB22

STH 181 (N 76TH ST) NB OFF RAMP

EXISTING SIGNS TO REMAIN ALONG RAMP

SIGN

45' 55'

2

SHEET 33 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 146	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 33

PLOT DATE : 1/29/2025 8:44 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

EXISTING SIGNS TO REMAIN ALONG RAMP

STH 181 (N 76TH ST) SB OFF RAMP

631 — W5-52R (3) — 4' MOUNT HEIGHT

627 — REMOVE NO PARKING ANY TIME — R7-1D (3)

629 — REMOVE SPEED LIMIT 45 — R2-1 (3)

630 — SPEED LIMIT 45 (3)

628 — REMOVE NO PARKING ANY TIME — R7-1D (3)

STH 181

STH 100 (W BROWN DEER RD)

234+00 235+00 236+00 237+00 238+00 239+00

STH 181 (N 76TH ST)

624 — NO PARKING ANY TIME — R7-1D (3) — REMOVE

625 — NO PARKING ANY TIME — R7-1D (3) — REMOVE

626 — W4-1R (3) — REMOVE

348+00

STH 100 (W BROWN DEER RD)

STH 181 (N 76TH ST) NB ON RAMP

EXISTING SIGNS TO REMAIN ALONG RAMP

SHEET 34 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 147 E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 34

PLOT DATE : 1/29/2025 8:45 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

EXISTING SIGNS TO REMAIN ALONG RAMP

SIGN

EXIT
REMOVE

EXIT
635
E5-1
(3)

NO PARKING ANY TIME
REMOVE

NO PARKING ANY TIME
637
R7-1D
(3)

100
REMOVE

100
636
J13-1
(3)

N

STH 181

240+00
241+00
242+00
243+00
244+00
245+00

STH 181

632
633
W3-3
(3)

REMOVE

W3-3
ESTR

YIELD
R1-2
ESTR

BEGIN LEFT TURN LANE
634
R3-20L
(3)

BEGIN LEFT TURN LANE
REMOVE

RIPRAP

RIPRAP

SHEET 35 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 148	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 35

PLOT DATE : 1/29/2025 8:45 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

779 ALTERNATE SOUTH INTERSTATE 43 — J3-1 (2M)

ALTERNATE SOUTH INTERSTATE 43 — REMOVE

Wauwatosa / Brown Deer / Menomonee Falls — REMOVE

657 Wauwatosa / Brown Deer / Menomonee Falls — D1-3

NO PARKING ANY TIME — REMOVE

658 NO PARKING ANY TIME — R7-1D (3)

100 — REMOVE

656 100 — J12-1 (3)

ALTERNATE SOUTH INTERSTATE 43 — REMOVE

655 ALTERNATE SOUTH INTERSTATE 43 — J2-1 (2M)

W Brown Deer Rd 8800 N USE HWY 100 — REMOVE

654 W Brown Deer Rd 8800 N USE HWY 100 — D1-1 MOD

RIGHT ON RED ARROW AFTER STOP — REMOVE

653 RIGHT ON RED ARROW AFTER STOP — R10-17A (2M) MOUNT ON SIGNAL POLE

STOP — REMOVE

650 651 STOP — R1-1F (3) MOUNT ON SIGNAL POLE

Northridge Mall Rd — M1-94H ON SIGNAL ARM

652

SIGN

STH 181

35'

ONE WAY — R6-2L (2M)

649

ONE WAY — REMOVE

648 — R4-7 (2S) MOUNT ON SIGNAL POLE

REMOVE

245+00 246+00 247+00 248+00 249+00 250+00 251+00

STH 181

SIGN

638 NO PARKING ANY TIME — R7-1D (3)

NO PARKING ANY TIME — REMOVE

639 — W5-57 (2M) 2' MOUNT HEIGHT

W5-55Y REMOVE

640 641 STOP — R1-1F (3) MOUNT ON SIGNAL POLE

642

STOP — REMOVE

645 DO NOT ENTER — R5-1 (3) MOUNT ON SIGNAL POLE

DO NOT ENTER — REMOVE

646 — R4-7 (2M)

647 — R3-4 (2S) MOUNT ON SIGNAL POLE

REMOVE

REMOVE

643 — R4-7 (3)

644 — R3-4 (3) MOUNT ON SIGNAL POLE

REMOVE

REMOVE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

SHEET 36 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 149	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 36

PLOT DATE : 1/29/2025 8:45 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

STH 181

252+00 253+00 254+00 255+00 256+00 257+00

660 Northridge Mall Rd M1-94H ON SIGNAL ARM

659 ONE WAY R6-2L (3) MOUNT ON SIGNAL POLE; ONE WAY REMOVE

661 NORTH 181 J4-1 (3); NORTH 181 REMOVE

664 BEGIN LEFT TURN LANE R3-20L (3); BEGIN LEFT TURN LANE REMOVE

BUS STOP SIGN BY OTHERS BUS CO

662 663 SPEED LIMIT 45 R2-1 (3); SPEED LIMIT 45 REMOVE

665 W Northridge Lakes Blvd D1-1; Northridge Lakes Blvd REMOVE

684 DO NOT ENTER R5-1 (3) MOUNT ON SIGNAL POLE

BUS STOP SIGN BY OTHERS BUS CO

682 683 STOP R1-1F (3) MOUNT ON SIGNAL POLE; STOP REMOVE

681 JCT 100 J1-1 (3); JCT 100 REMOVE

680 JCT 100 J1-1 (3)

678 NO PARKING ANY TIME R7-1D (3); NO PARKING ANY TIME REMOVE

676 R4-7 (2M)

677 R3-4 (2S) MOUNT ON SIGNAL POLE

679 SOUTH 181 J4-1 (3)

675 W Northridge Lakes Blvd M1-94H ON SIGNAL ARM

674 ONE WAY R6-2L (2M); ONE WAY REMOVE

673 DO NOT ENTER R5-1 (3) MOUNT ON SIGNAL POLE

670 STOP R1-1F (3) MOUNT ON SIGNAL POLE; STOP REMOVE

666 W5-57 (2M) 2' MOUNT HEIGHT; W5-55Y REMOVE WOOD POST AND REFLECTORS

671 672 STOP R1-1F (3) MOUNT ON SIGNAL POLE; STOP REMOVE

782 W12-1D (2M) 2' MOUNT HEIGHT; REMOVE

667 YIELD R1-2 (2S); YIELD REMOVE

BUS STOP SIGN BY OTHERS BUS CO

668 ONE WAY R6-2L (2M)

669 DO NOT ENTER R5-1 (3) MOUNT ON SIGNAL POLE; DO NOT ENTER REMOVE

SHEET 37 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 150	E

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

STH 181

W NORTHRIDGE LAKES BLVD

257+00 258+00 259+00 260+00 261+00 262+00

700 STOP R1-1F (3) MOUNT ON SIGNAL POLE
701 REMOVE
698 DO NOT ENTER R5-1 (3) MOUNT ON SIGNAL POLE
703 R4-7 (3)
704 R3-4 (2S) MOUNT ON SIGNAL POLE
699 R4-7 (2S) MOUNT ON SIGNAL POLE
702 DO NOT ENTER R5-1 (3)
BUS STOP SIGN BY OTHERS BUS CO
695 STOP R1-1F (3) MOUNT ON SIGNAL POLE
696 REMOVE
694 W5-55Y REMOVE
W5-57 (2M) 2' MOUNT HEIGHT
781 W Northridge Lakes Blvd D1-1
693 BEGIN LEFT TURN LANE R3-20L (3)
689 W Northridge Lakes Blvd M1-94H ON SIGNAL ARM
685 R4-7 (2S) MOUNT ON SIGNAL POLE
686 STOP R1-1F (3)
687 MOUNT ON SIGNAL POLE
688 ONE WAY R6-2L (2M) MOUNT ON SIGNAL POLE
697 STOP R1-1F (3) MOUNT ON SIGNAL POLE
691 BEGIN LEFT TURN LANE R3-20L (3)
690 NORTH 181 J4-1 (3)
692 NO PARKING ANY TIME R7-1D (3)
STREET NAME SIGN BY OTHERS

SHEET 38 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 151	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 38
PLOT DATE : 1/29/2025 8:46 AM
PLOT BY : MARTENS, KAREN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

N NORTHRIDGE MALL RD

STH 181

719 720 STOP REMOVE
R1-1 (3)

718 REMOVE
R4-7 (2S)
MOUNT ON LIGHT POLE

717 DO NOT ENTER
R5-1 (3)

715 716 REMOVE
W3-3 (2M)

708 709 REMOVE
R4-7 (3)

705
W5-57 (2M)
2' MOUNT HEIGHT
W5-55Y REMOVE

706 DO NOT ENTER
R5-1 (3)
DO NOT ENTER REMOVE

707 ONE WAY
R6-2L (2M)
ONE WAY REMOVE

710 711 SPEED LIMIT 45
R2-1 (3)
SPEED LIMIT 45 REMOVE

712 BEGIN LEFT TURN LANE
R3-20L (3)
BEGIN LEFT TURN LANE REMOVE

713 714
W11-2 (3)
713A 714A AHEAD
W16-9P (3)

263+00 264+00 265+00 266+00 267+00 268+00

SIGN

SHEET 39 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 152	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 39

PLOT DATE : 1/29/2025 8:46 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

STH 181

269+00 270+00 271+00 272+00 273+00 274+00

SPEED LIMIT 45 R2-1 (3) 738 739

724 725 REMOVE R4-7 (3)

736 W11-2 (3) 736A W16-7L (3)

737 W11-2 (3) 737A W16-7R (3)

REMOVE NO PARKING ANY TIME R7-1D (3) 735

SPEED LIMIT 45 REMOVE 733 734

REMOVE NO PARKING ANY TIME R7-1D (3) 732

731 REMOVE R4-7 (3)

721 W11-2 (3) 721A W16-7R (3)

722 W11-2 (3) 722A W16-7L (3)

W Glenbrook Rd 723 D1-1

REMOVE W Glenbrook Rd

726 NO PARKING ANY TIME R7-1D (3) REMOVE

727 BEGIN LEFT TURN LANE R3-20L (3) REMOVE

728 BEGIN LEFT TURN LANE R3-20LL (2M) MOVE

729 NO PARKING ANY TIME R7-1D (3) REMOVE

730 DO NOT ENTER R5-1 (3) IN CONCRETE

DO NOT ENTER REMOVE

SHEET 40 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 153	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 40

PLOT DATE : 1/29/2025 8:47 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

W GLENBROOK RD

STH 181

275+00 276+00 277+00 278+00 279+00 280+00

740 W11-2 (3)
740A W16-7R (3)
741 W11-2 (3)
741A W16-7L (3)
742 W11-2 (3)
742A W16-7L (3)
743 W11-2 (3)
743A W16-7R (3)
744 R3-20L (3)
745 R7-1D (3)
746 W3-3 (3) MOUNT ON LIGHT POLE
747 W3-3 (3)
748 R3-20R (3)
749 R4-7 (3)
750
751 W Glenbrook Rd D1-1
752 W11-2 (3)
752A W16-9P (3) AHEAD
753 753A
754 R7-1D (3)
755 STOP R1-1 (3)
756 R4-7 (3)

REMOVE: STOP, BEGIN LEFT TURN LANE, NO PARKING ANY TIME, W Glenbrook Rd, BEGIN RIGHT TURN LANE

SHEET 41 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 154	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 41
PLOT DATE : 1/29/2025 8:47 AM
PLOT BY : MARTENS, KAREN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

767 — ADOPT A HIGHWAY — I55-56

767A — AWRI COUNSELING SERVICES — I55-56P — MOVE

SPEED LIMIT 45 — REMOVE

765 766 — SPEED LIMIT 45 — R2-1 (3)

SOUTH 181 — REMOVE

762 — SOUTH 181 — J4-1 (3) — MOUNT ON LIGHT POLE

Milwaukee Co — Milwaukee POPULATION 577,222 — REMOVE

763 — Milwaukee Co — I2-2

764 — Milwaukee POPULATION 577,222 — I2-3

SIGN

STH 181

281+00 282+00 283+00 284+00 285+00 286+00

757 758 — County Line Rd 9600 NORTH — D1-61 (MOD)

County Line Rd 9600 NORTH — REMOVE

759 — BEGIN LEFT TURN LANE — R3-20L (3)

BEGIN LEFT TURN LANE — REMOVE

760 — Mequon Nature Preserve

761 — RIGHT LANE MUST TURN RIGHT — R3-7R (3)

SHEET 42 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 155	E

FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 42

PLOT DATE : 1/29/2025 8:47 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

N

W COUNTY LINE RD

SIGN

RIPRAP

STH 181

ONE WAY
REMOVE

ONE WAY 775
R6-2L
(3)

LEFT TURN YIELD ON FLASHING YELLOW ARROW
REMOVE
774

REMOVE

771
R4-7
(3)
MOUNT ON SIGNAL POLE

286+00

287+00

STH 181

STOP 772 773
R1-1F
(3)
MOUNT ON SIGNAL POLE

STOP
REMOVE

768
W12-1D
(2M)
2' MOUNT HEIGHT

REMOVE

YIELD 769
R1-2
(2S)

YIELD
REMOVE

DO NOT ENTER 770
R5-1
(3)
MOUNT ON SIGNAL POLE

DO NOT ENTER
REMOVE

NO SIGN CHANGES

STOCK PILE

SHEET 43 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 156	E

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN

NO SIGN CHANGES THIS SHEET

N

ORCHARD

RAP

SIGN

SIGN

SIGN

STH 181

SIGN

SIGN

SIGN

SIGN

SIGN

STH 181

SIGN

SIGN

SHEET 44 OF 44

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING PLAN	SHEET 157	E

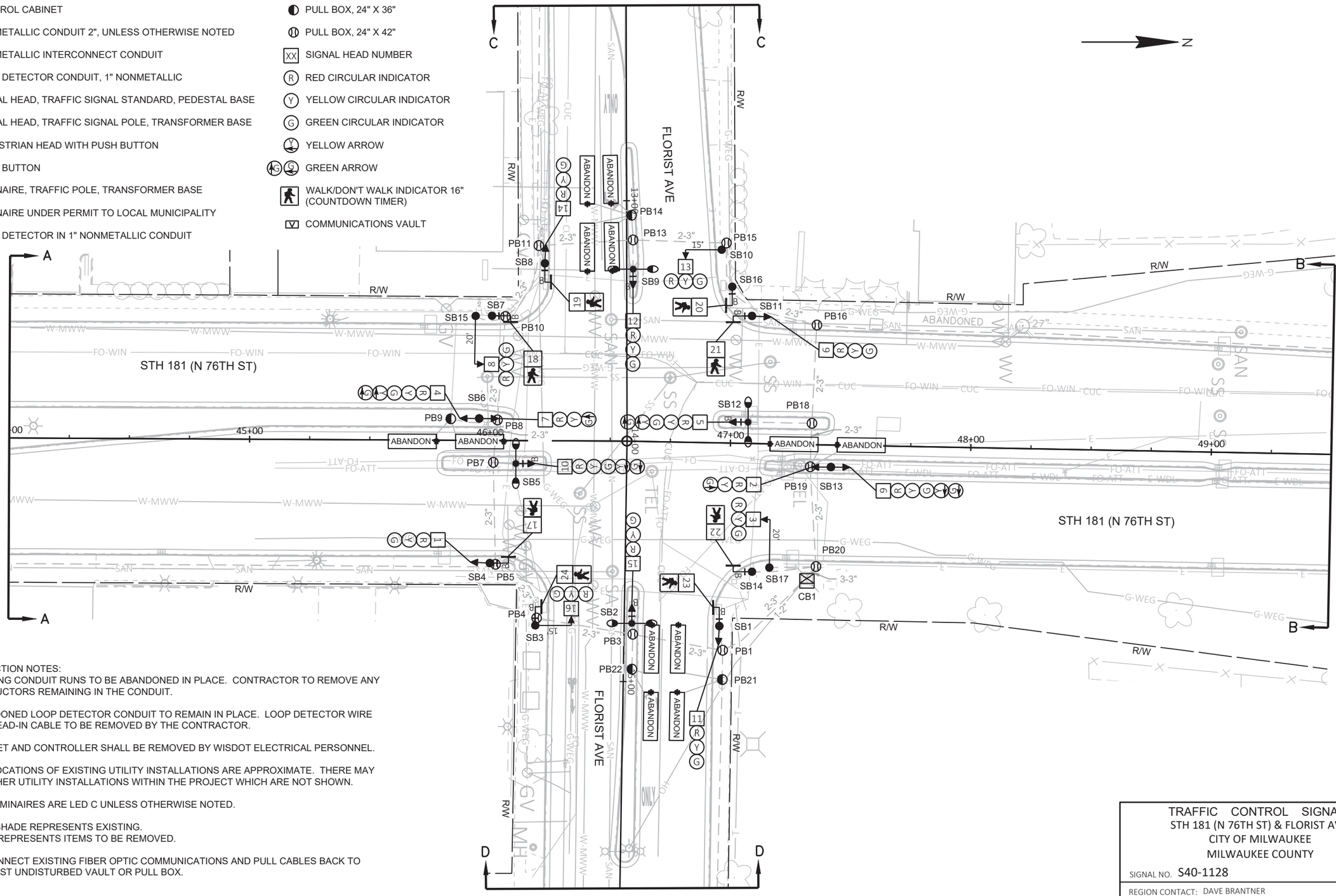
FILE NAME : N:\PDS\C3D\CAD\21401400\SIGN\023226_PS.DWG
LAYOUT NAME - 44

PLOT DATE : 1/29/2025 8:48 AM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT



CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED C UNLESS OTHERWISE NOTED.
6. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.
7. DISCONNECT EXISTING FIBER OPTIC COMMUNICATIONS AND PULL CABLES BACK TO NEAREST UNDISTURBED VAULT OR PULL BOX.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1128

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

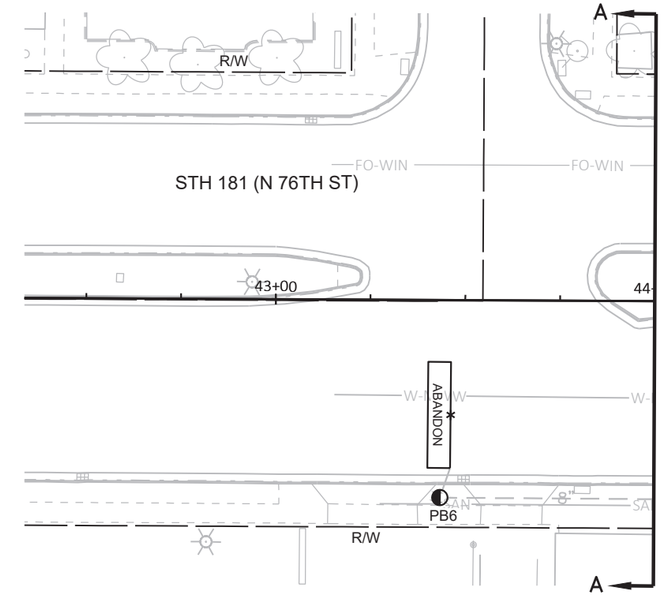
PAGE 1 OF 2

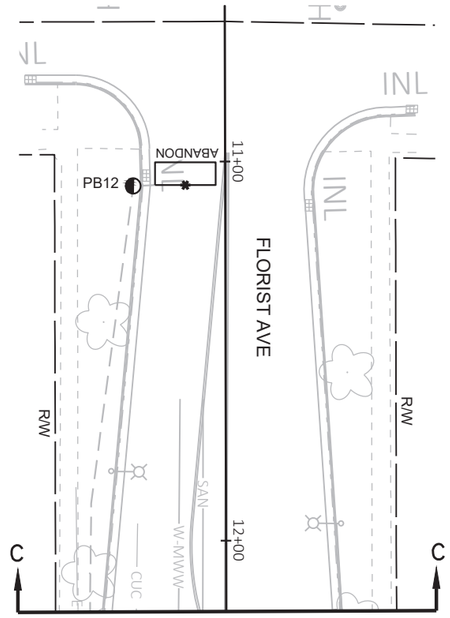
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 158	E

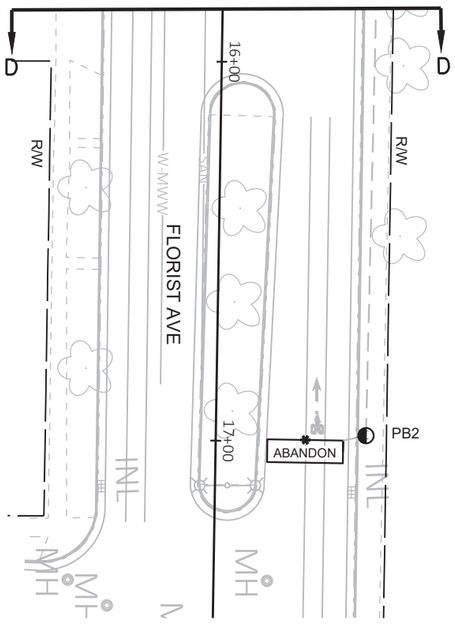
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LAYOUT NAME - S40-1128_rem_pg1

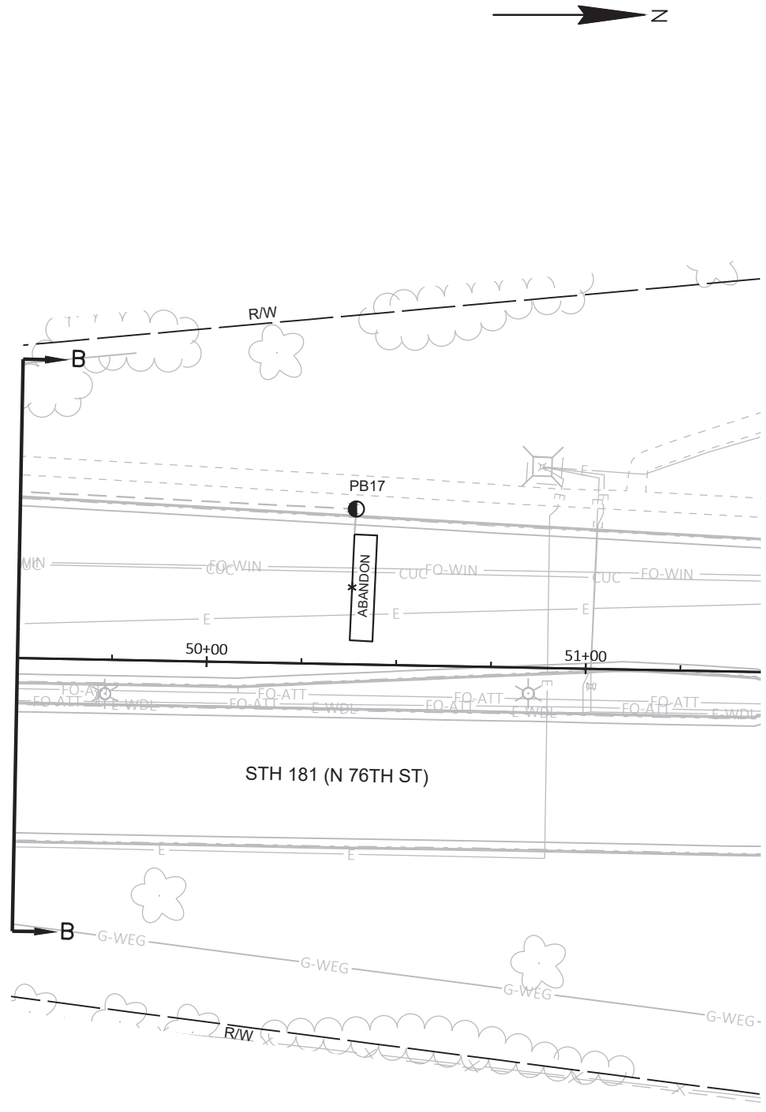
PLOT DATE : 4/18/2025 3:06 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42









TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1128

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 159	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\REMOVALS\S40-1128_REM_FLORIST_2140-14-70.DWG
LAYOUT NAME - S40-1128_rem_pg2

PLOT DATE : 4/18/2025 3:07 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

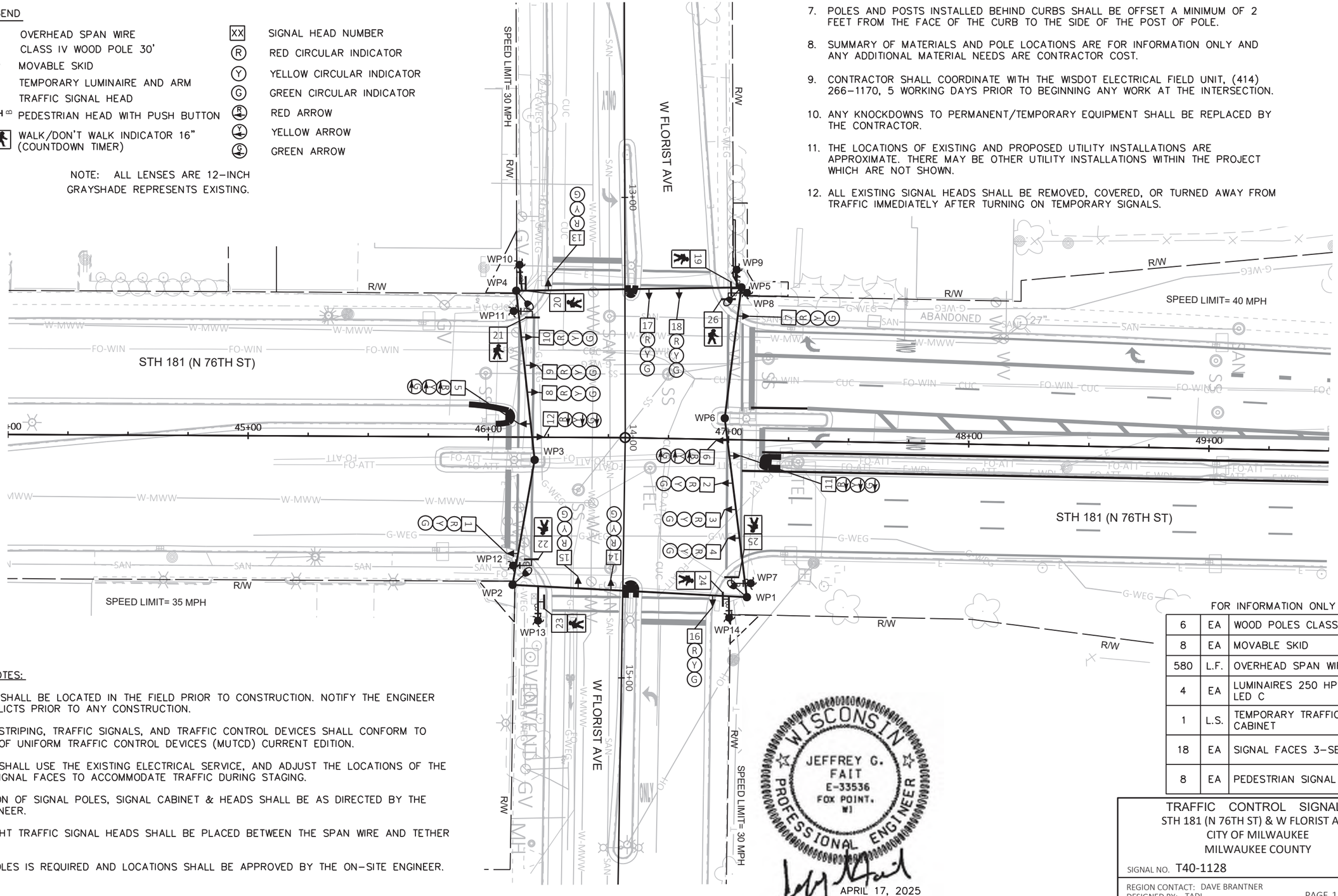
LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

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

CONSTRUCTION NOTES (CONTINUED):

7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OF POLE.
8. SUMMARY OF MATERIALS AND POLE LOCATIONS ARE FOR INFORMATION ONLY AND ANY ADDITIONAL MATERIAL NEEDS ARE CONTRACTOR COST.
9. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266-1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
10. ANY KNOCKDOWNS TO PERMANENT/TEMPORARY EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
11. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
12. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.



CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION.
2. ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
3. CONTRACTOR SHALL USE THE EXISTING ELECTRICAL SERVICE, AND ADJUST THE LOCATIONS OF THE TEMPORARY SIGNAL FACES TO ACCOMMODATE TRAFFIC DURING STAGING.
4. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ON-SITE ENGINEER.
5. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ON-SITE ENGINEER.

FOR INFORMATION ONLY

6	EA	WOOD POLES CLASS 4
8	EA	MOVABLE SKID
580	L.F.	OVERHEAD SPAN WIRE
4	EA	LUMINAIRES 250 HPS OR LED C
1	L.S.	TEMPORARY TRAFFIC SIGNAL CABINET
18	EA	SIGNAL FACES 3-SECTION
8	EA	PEDESTRIAN SIGNAL HEAD

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 17, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1128

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 1 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-STAGE	SHEET 160	E

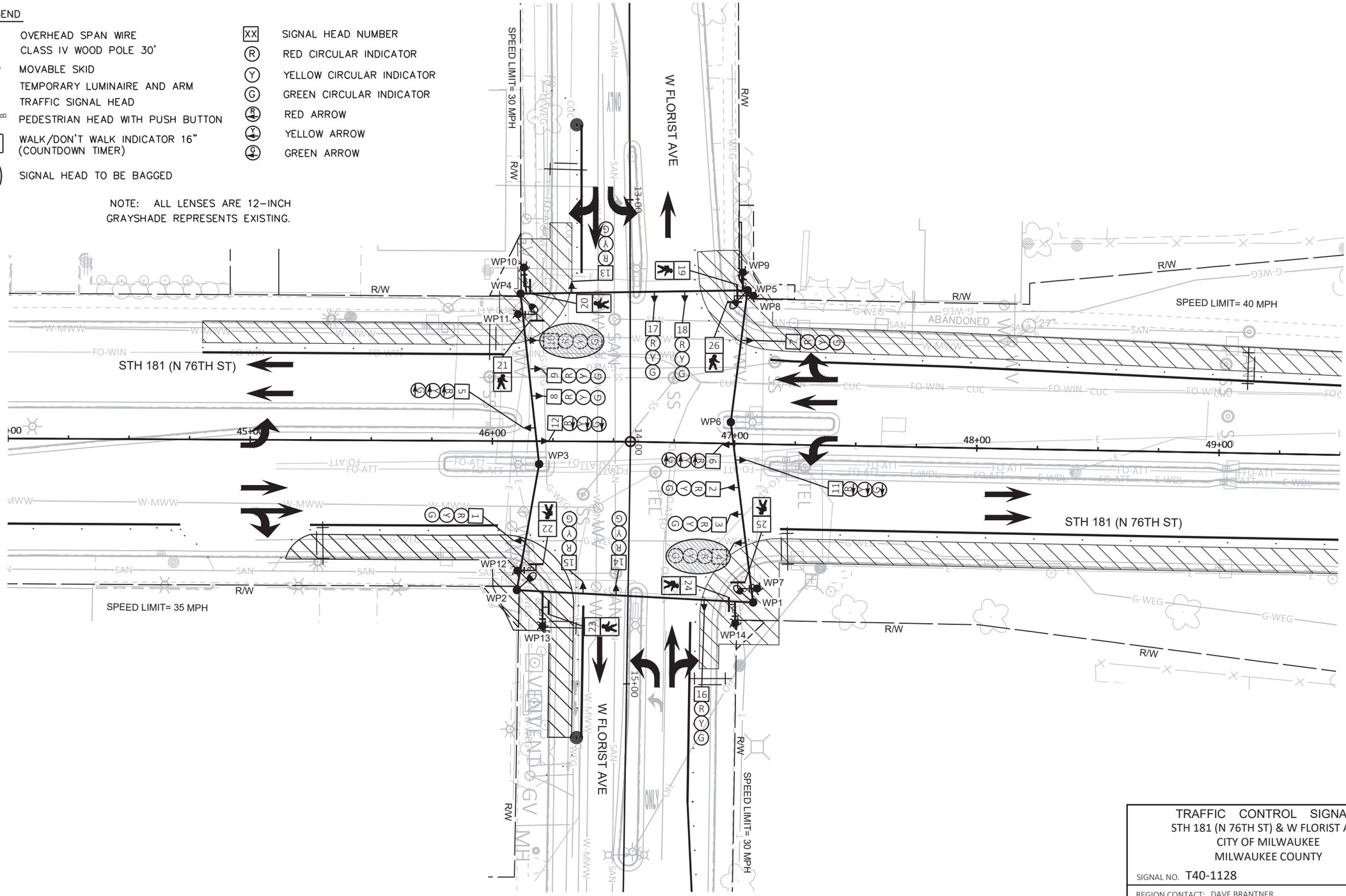
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LAYOUT NAME - T40-1128_pg1
PLOT DATE : 4/17/2025 3:13 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1128

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 161	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\01-FLORIST\T40-1128_FLORIST_TEMP_STAGE_1.DWG
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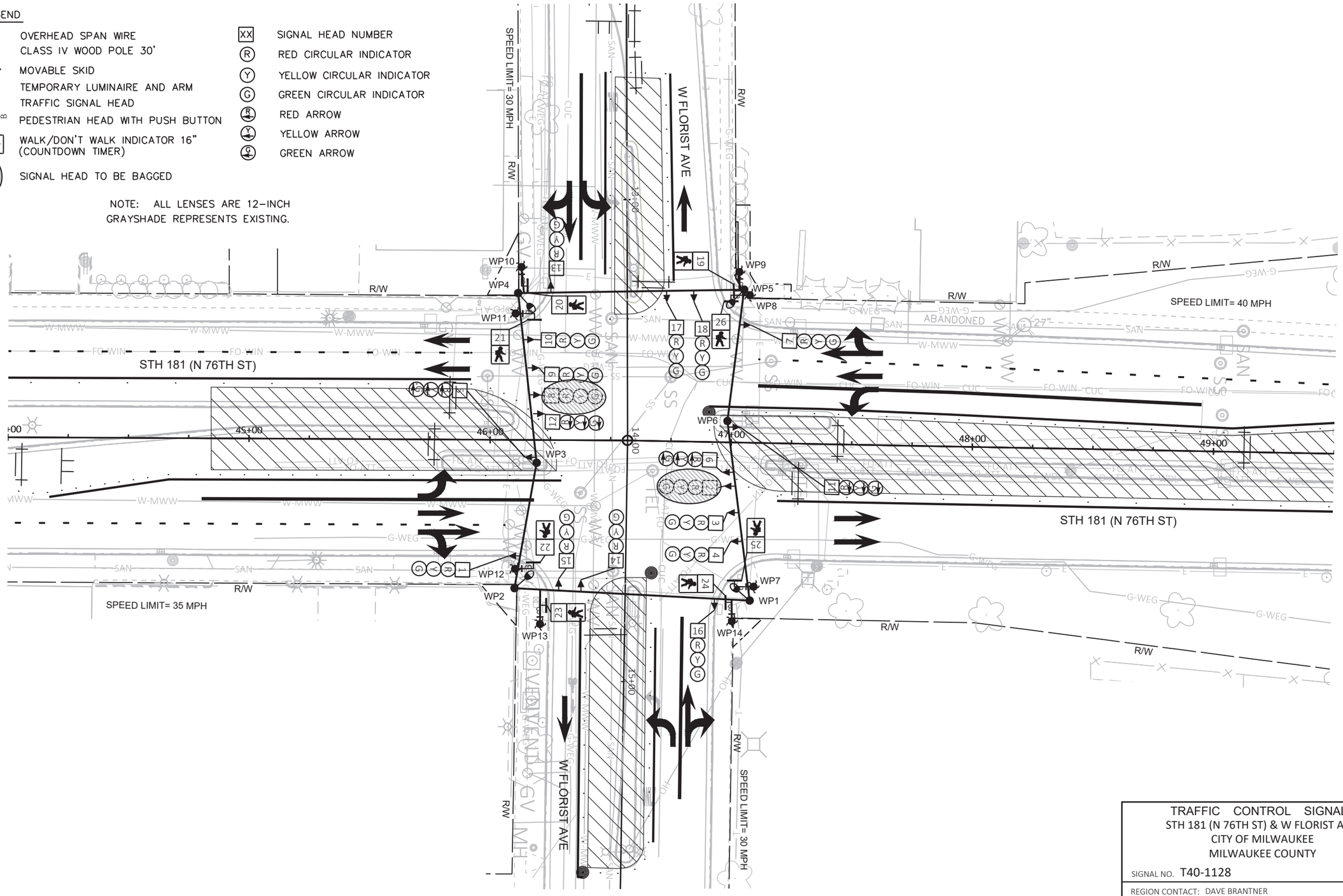
PLOT DATE : 4/17/2025 3:13 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1128

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 3 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 162	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\01-FLORIST\T40-1128_FLORIST_TEMP_STAGE_2.DWG
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PLOT DATE : 4/17/2025 3:14 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

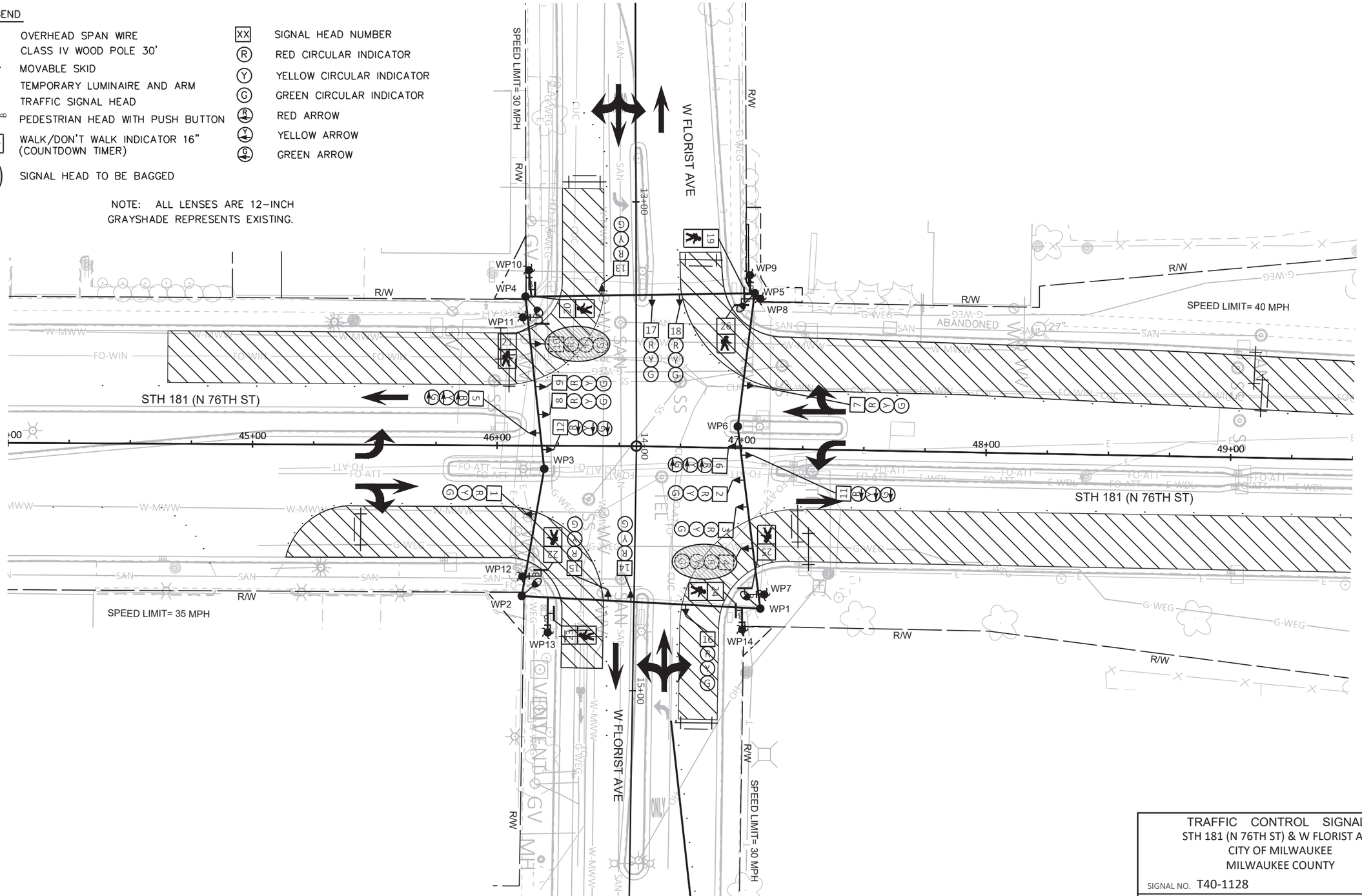
WISDOT/CADDS SHEET 42

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1128

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3A	SHEET 163	E

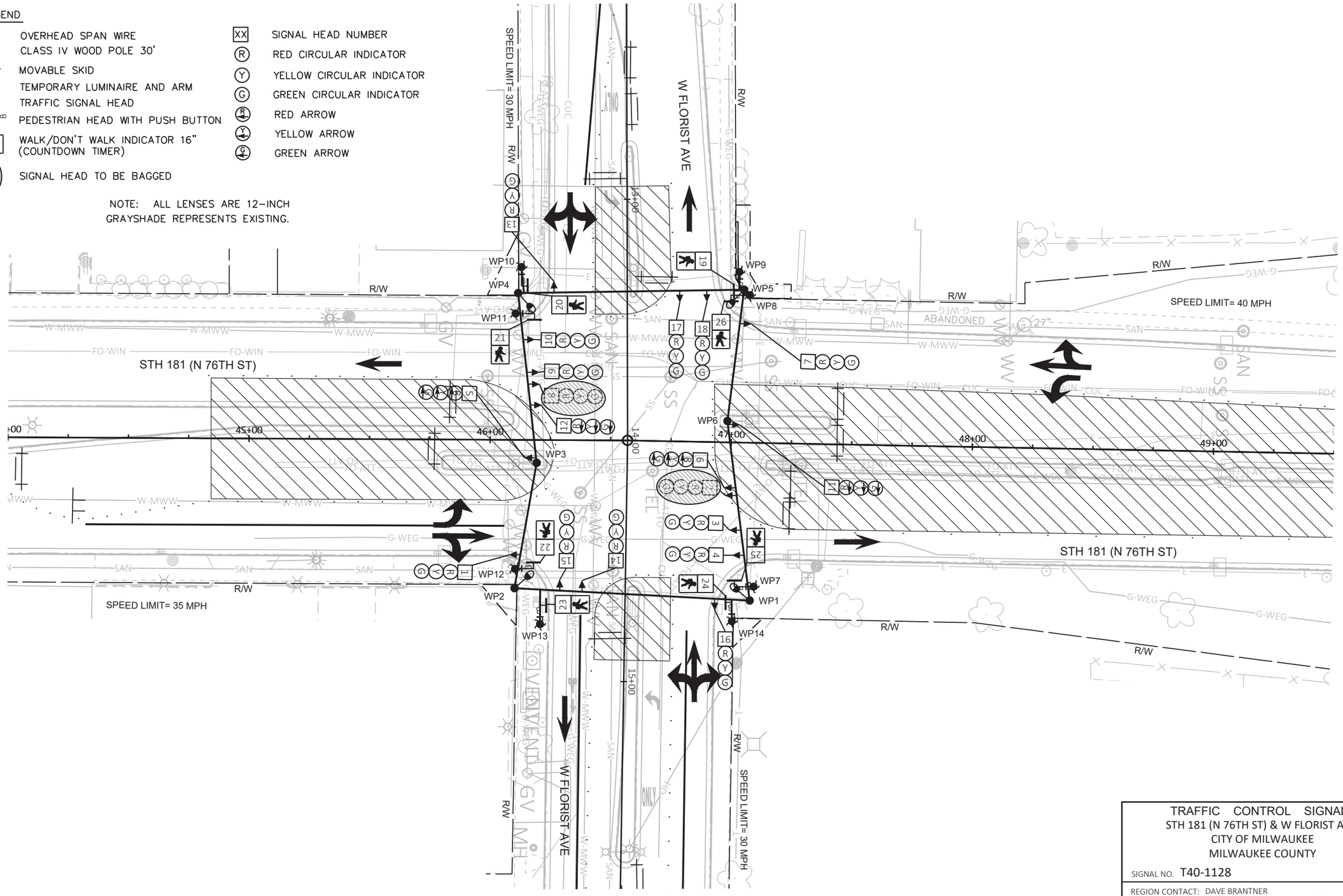
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LAYOUT NAME - T40-1128_pg1

PLOT DATE : 4/17/2025 3:14 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1128

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 5 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3B	SHEET 164	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\01-FLORIST\T40-1128_FLORIST_TEMP_STAGE_3B.DWG
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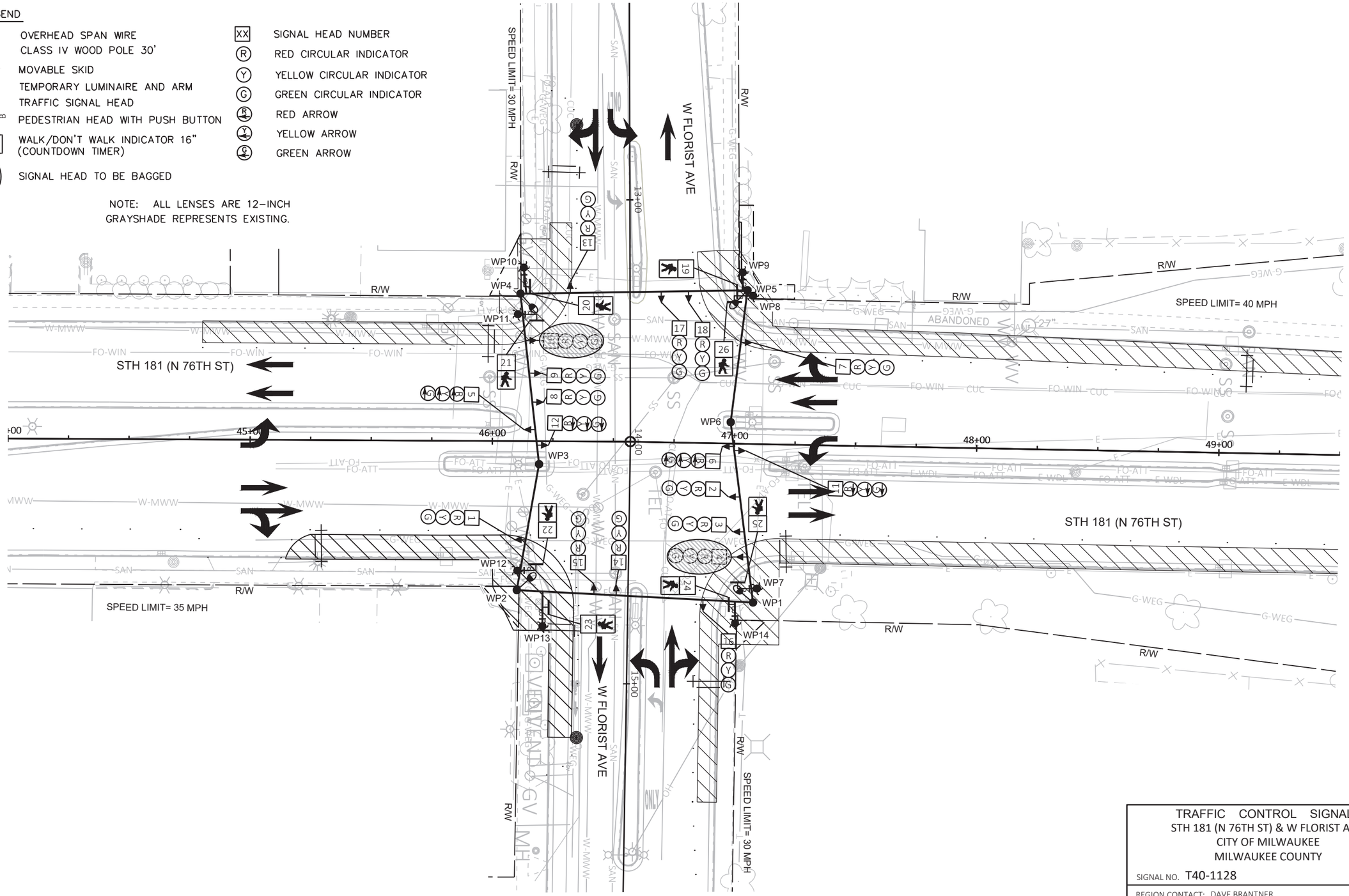
WISDOT/CADDS SHEET 42

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1128

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET 165	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\01-FLORIST\T40-1128_FLORIST_TEMP_STAGE_4A.DWG
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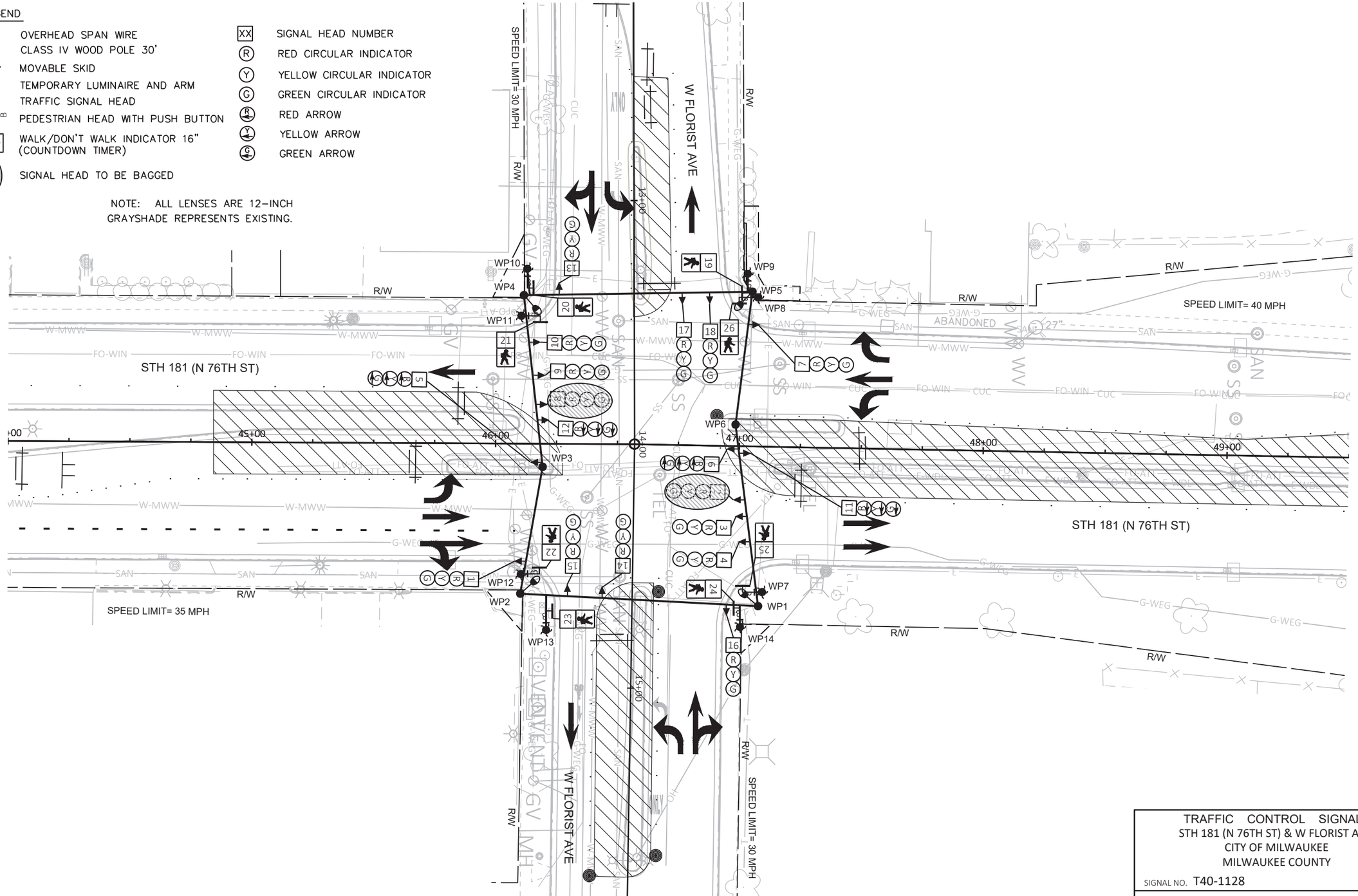
WISDOT/CADDS SHEET 42

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1128

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

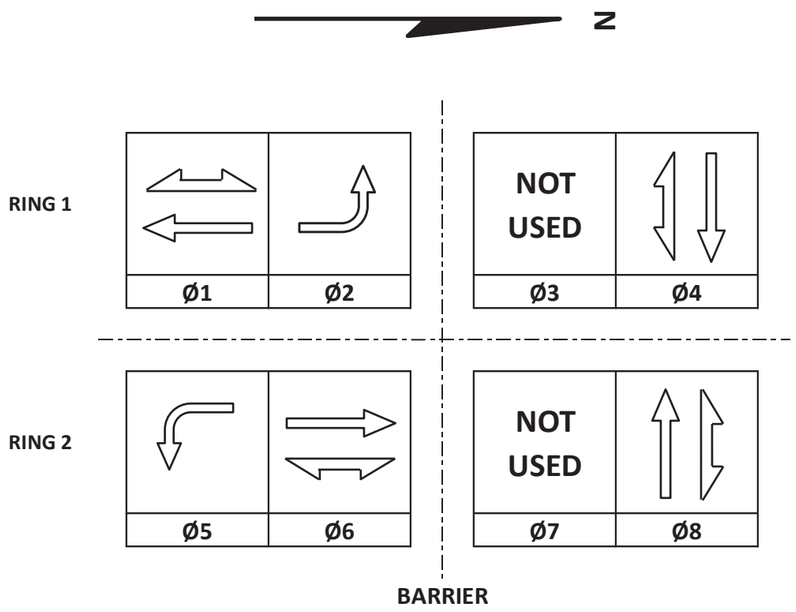
PAGE 7 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET 166	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\01-FLORIST\T40-1128_FLORIST_TEMP_STAGE_4B.DWG
LAYOUT NAME - T40-1128_pg1

PLOT DATE : 4/17/2025 3:16 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

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Ø2	5,6	R
Ø3		
Ø4	13,14,15	R
Ø5	11,12	R
Ø6	1,2,3,4	R
Ø7		
Ø8	16,17,18	R
Ø1P	19,20	
Ø4P	21,22	
Ø6P	23,24	
Ø8P	25,26	
OLE		
OLF		
OLG		
OLH		



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

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

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

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

CONTROLLER LOGIC

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

GENERAL NOTES:

1. PHASES 2 AND 5 ARE IN CONFLICT AND SHALL NOT RUN CONCURRENTLY.

STH 181 (N 76TH ST) & FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

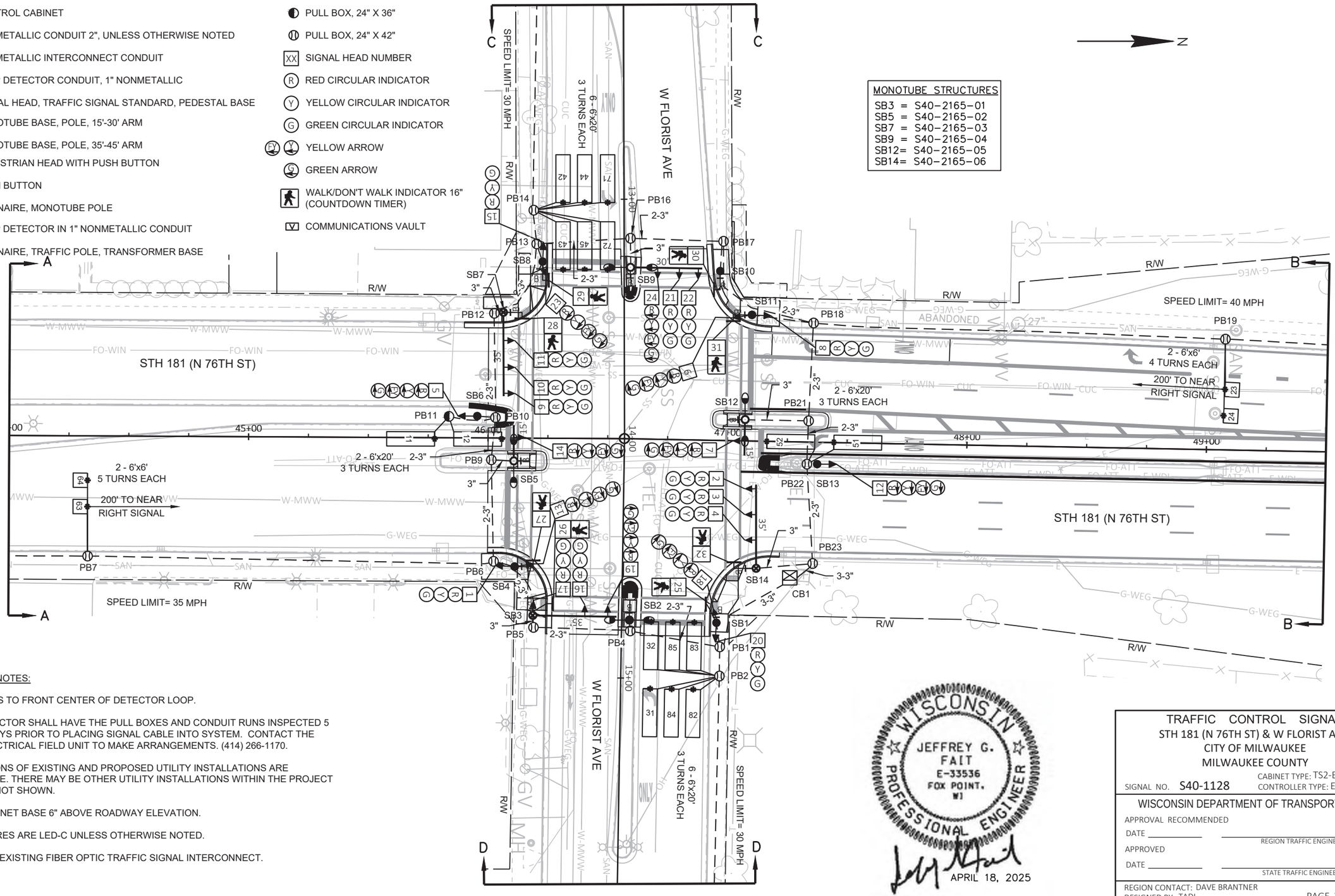
SIGNAL NO: T40-1128 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 5/25 PAGE NUMBER: 8 OF 8

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, MONOTUBE POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- V COMMUNICATIONS VAULT

MONOTUBE STRUCTURES

SB3 = S40-2165-01
SB5 = S40-2165-02
SB7 = S40-2165-03
SB9 = S40-2165-04
SB12= S40-2165-05
SB14= S40-2165-06



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. RECONNECT EXISTING FIBER OPTIC TRAFFIC SIGNAL INTERCONNECT.

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1128
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

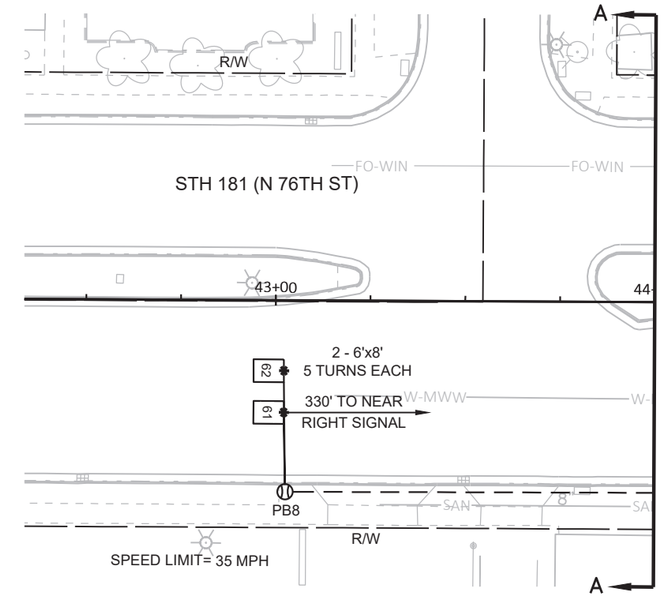
WISCONSIN DEPARTMENT OF TRANSPORTATION

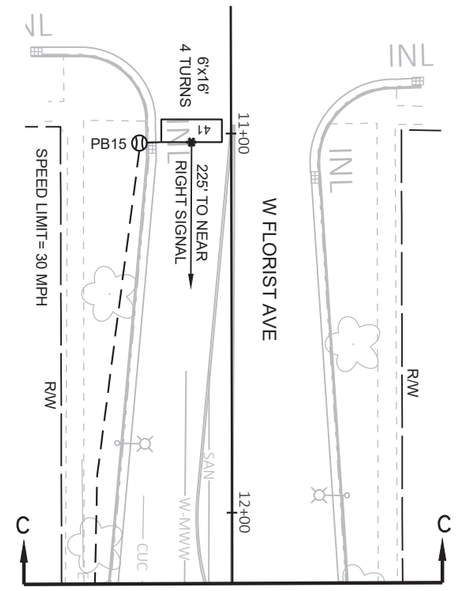
APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

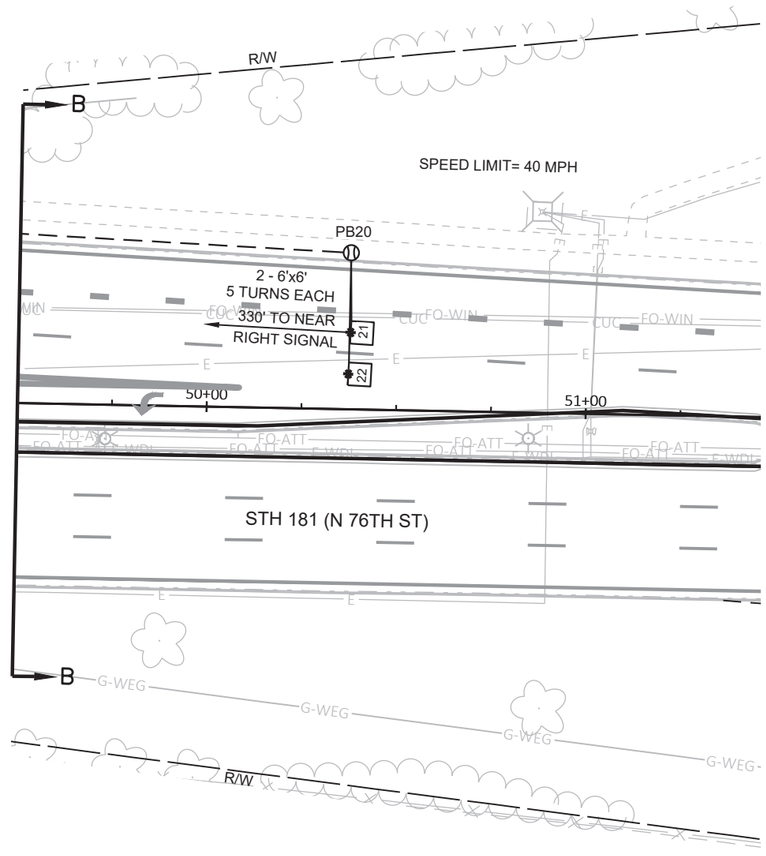
REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

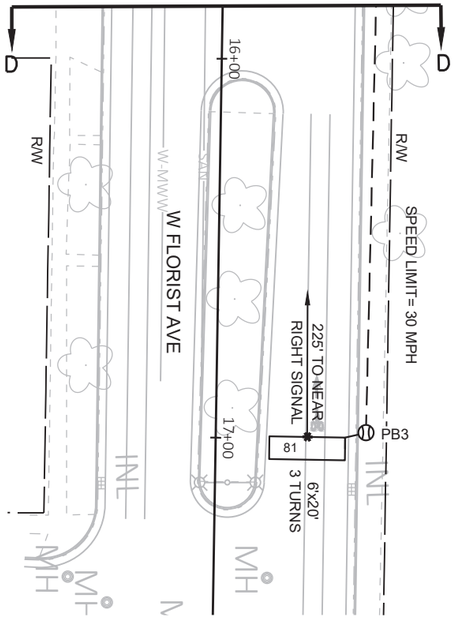
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 168	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1128_FLORIST_2140-14-70.DWG
LAYOUT NAME - S40-1128_pg1
PLOT DATE : 4/18/2025 7:18 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT









TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1128

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

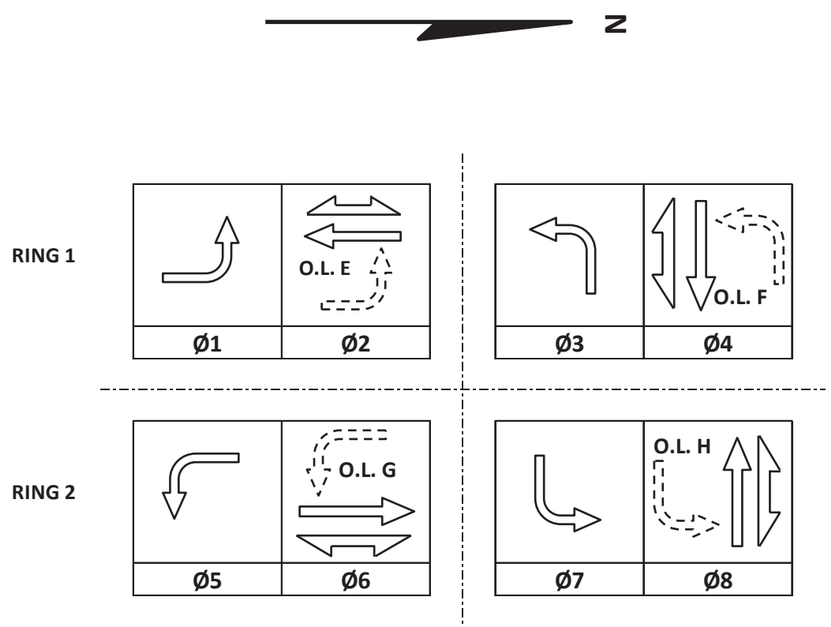
PAGE 2 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 169	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1128_FLORIST_2140-14-70.DWG
LAYOUT NAME - S40-1128_pg2

PLOT DATE : 4/18/2025 7:19 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
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Ø2	8,9,10,11	R
Ø3	23,24	R ←
Ø4	15,16,17	R
Ø5	12,13,14	R ←
Ø6	1,2,3,4	R
Ø7	18,19	R ←
Ø8	20,21,22	R
Ø2P	29,30	
Ø4P	27,28	
Ø6P	25,26	
Ø8P	31,32	
OLE	5,6,7	-
OLF	23,24	-
OLG	12,13,14	-
OLH	18,19	-



CONTROLLER LOGIC

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

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

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	0018

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	23	31	41	43	45	52
CALLED PHASE	1	2	2	4	4	4	4	5
CALL OPTION	X	X	X	X		X	X	X
DELAY TIME						X		
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME					X			
USE ADDED INITIAL		X						
CROSS SWITCH PHASE	2							6

DETECTOR INPUT	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	62	64	72	82	84			
CALLED PHASE	6	6	8	8	8			
CALL OPTION	X	X	X	X	X			
DELAY TIME				X				
EXTENTION OPTION	X	X	X	X	X			
EXTEND TIME								
USE ADDED INITIAL	X	X						
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	22	24	32	42	44	51	61
CALLED PHASE	1	2	2	4	4	4	5	6
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME					X			
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL		X						X
CROSS SWITCH PHASE	2						6	

DETECTOR INPUT	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)	63	71	81	83	85			
CALLED PHASE	6	8	8	4	8			
CALL OPTION	X	X	X	X	X			
DELAY TIME				X				
EXTENTION OPTION	X	X	X	X	X			
EXTEND TIME			X					
USE ADDED INITIAL	X							
CROSS SWITCH PHASE								

GENERAL NOTES:

1. PHASES 3 AND 7 ARE OMITTED 24/7.

STH 181 (N 76TH ST) & FLORIST AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: S40-1128 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 5/25 PAGE NUMBER: 3 OF 3

PROJECT ID:	2140-14-70
INTERSECTION:	STH 181 AT FLORIST AVE

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

CB1 TO	JUMPER	# OF COND. AWG 14	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	PED BUTTON 2
				RED	YELLOW	GREEN	<RED	<YELLOW>	<FL YELLOW>	<GREEN>	D/WALK	WALK		
SB1		15	18				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			20	RED	ORG	GRN								
			25								BLK	BLU		
			B										WHT/BLK	
SB2		7	B										WHT/BLK	
SB3		15	16	RED	ORG	GRN								
			17	RED	ORG	GRN								
			19				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			26								BLK	BLU		
			B										WHT/BLK	
SB4		15	1	RED	ORG	GRN								
			13				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			27								BLK	BLU		
			B										WHT/BLK	
SB5		12	14				RED	ORG	BLK/WHT	GRN				
			B										WHT/BLK	
SB6		12	5				RED	ORG	BLK/WHT	GRN				
SB7		12	9	RED	ORG	GRN								
			10	RED	ORG	GRN								
			11	RED	ORG	GRN								
			28								BLK	BLU		
			B										WHT/BLK	
SB8		15	15	RED/BLK	ORG/BLK	GRN/BLK								
			23				RED	ORG	BLK/WHT	GRN				
			29								BLK	BLU		
			B										WHT/BLK	
SB9		12	21	RED	ORG	GRN								
			22	RED	ORG	GRN								
			24				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			B										WHT/BLK	
SB10		7	30								BLK	BLU		
			B										WHT/BLK	
SB11		15	6	RED/BLK	ORG/BLK	GRN/BLK								
			8				RED	ORG	BLK/WHT	GRN				
			31								BLK	BLU		
			B										WHT/BLK	
SB12		12	7				RED	ORG	BLK/WHT	GRN				
			B										WHT/BLK	
SB13		12	12				RED	ORG	BLK/WHT	GRN				
SB14		12	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
			4	RED	ORG	GRN								
			32								BLK	BLU		
			B										WHT/BLK	

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	SB12
SB12	SB13
SB13	SB14
SB14	CB1

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
SB1	PB1
SB2	PB4
SB3	PB5
SB4	PB6
SB5	PB9
SB6	PB10
SB7	PB12
SB8	PB13
SB9	PB16
SB10	PB17
SB11	PB18
SB12	PB21
SB13	PB22
CB1	PB23

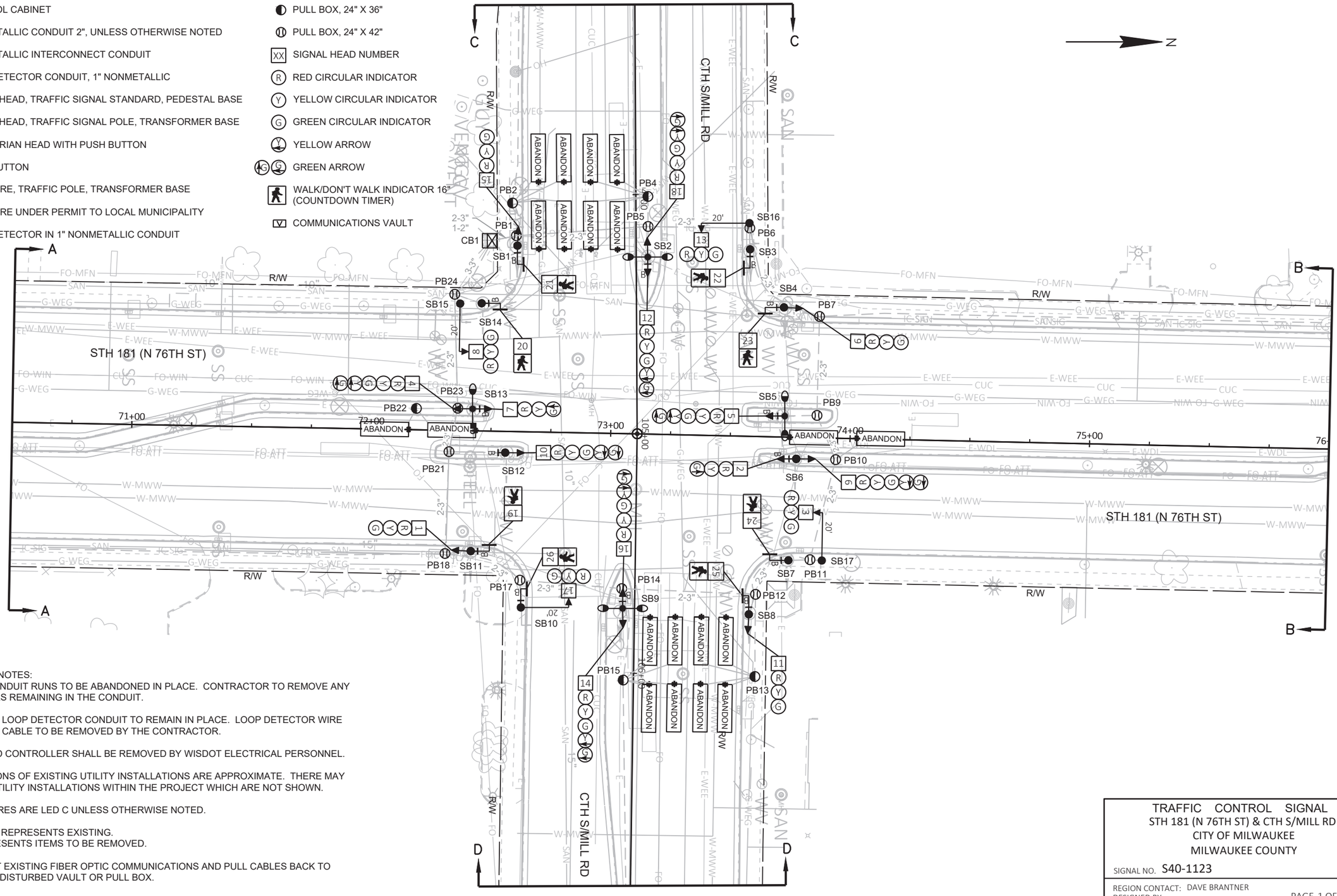
LIGHTING UF 12 AWG W/GROUND	
FROM	TO
CB1	SB2
SB2	SB5
CB1	SB12
SB12	SB9

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

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT



CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED C UNLESS OTHERWISE NOTED.
6. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.
7. DISCONNECT EXISTING FIBER OPTIC COMMUNICATIONS AND PULL CABLES BACK TO NEAREST UNDISTURBED VAULT OR PULL BOX.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH S/MILL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1123

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 1 OF 2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 172	E

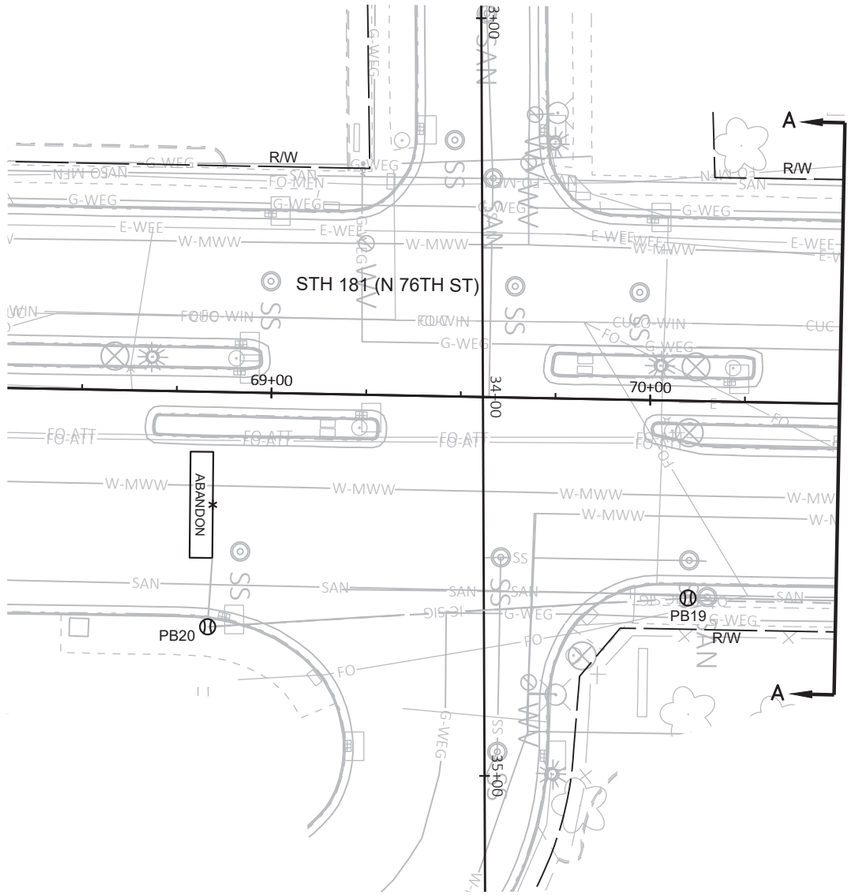
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LAYOUT NAME - S40-1123_rem_pg1

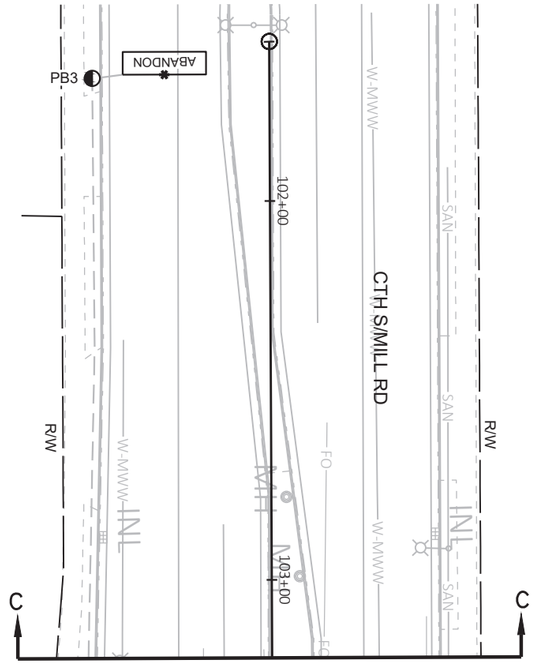
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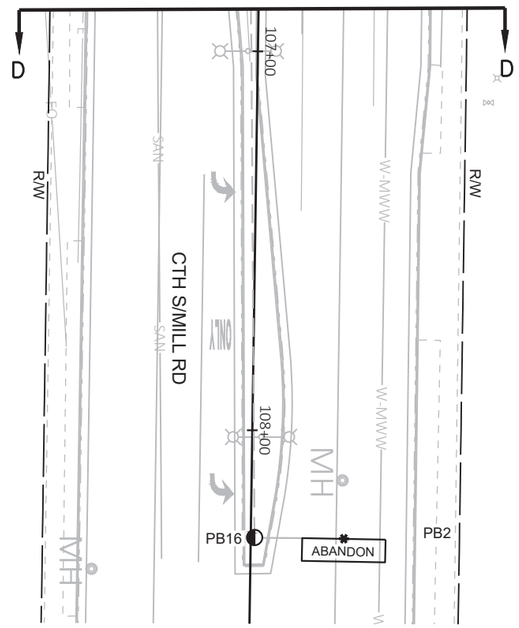
WISDOT/CADDS SHEET 42

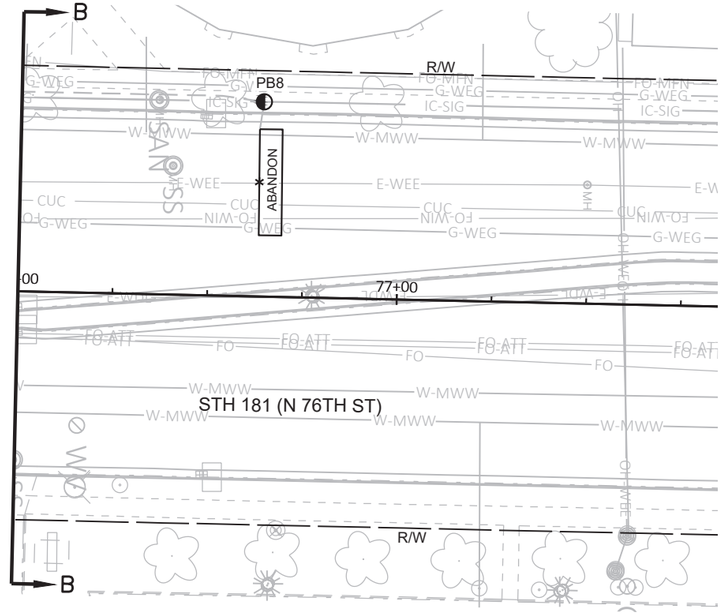
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TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH S/MILL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1123

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 173	E

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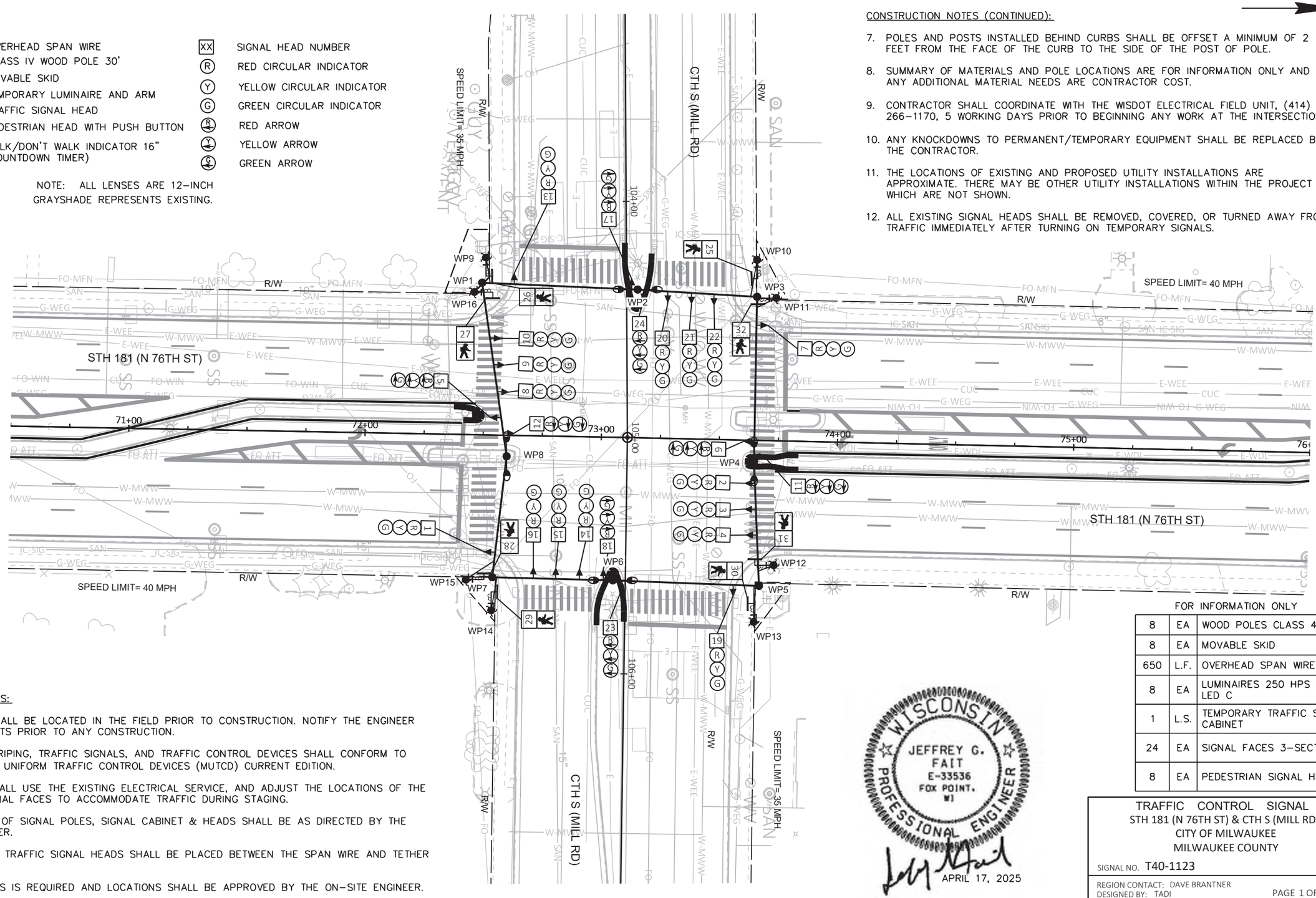
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WISDOT/CADDS SHEET 42

LEGEND

OVERHEAD SPAN WIRE	SIGNAL HEAD NUMBER
CLASS IV WOOD POLE 30'	RED CIRCULAR INDICATOR
MOVABLE SKID	YELLOW CIRCULAR INDICATOR
TEMPORARY LUMINAIRE AND ARM	GREEN CIRCULAR INDICATOR
TRAFFIC SIGNAL HEAD	RED ARROW
PEDESTRIAN HEAD WITH PUSH BUTTON	YELLOW ARROW
WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)	GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES (CONTINUED):

7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OF POLE.
8. SUMMARY OF MATERIALS AND POLE LOCATIONS ARE FOR INFORMATION ONLY AND ANY ADDITIONAL MATERIAL NEEDS ARE CONTRACTOR COST.
9. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266–1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
10. ANY KNOCKDOWNS TO PERMANENT/TEMPORARY EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
11. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
12. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION.
2. ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
3. CONTRACTOR SHALL USE THE EXISTING ELECTRICAL SERVICE, AND ADJUST THE LOCATIONS OF THE TEMPORARY SIGNAL FACES TO ACCOMMODATE TRAFFIC DURING STAGING.
4. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ON–SITE ENGINEER.
5. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ON–SITE ENGINEER.

FOR INFORMATION ONLY

8	EA	WOOD POLES CLASS 4
8	EA	MOVABLE SKID
650	L.F.	OVERHEAD SPAN WIRE
8	EA	LUMINAIRES 250 HPS OR LED C
1	L.S.	TEMPORARY TRAFFIC SIGNAL CABINET
24	EA	SIGNAL FACES 3–SECTION
8	EA	PEDESTRIAN SIGNAL HEAD

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 17, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH S (MILL RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1123

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 1 OF 8

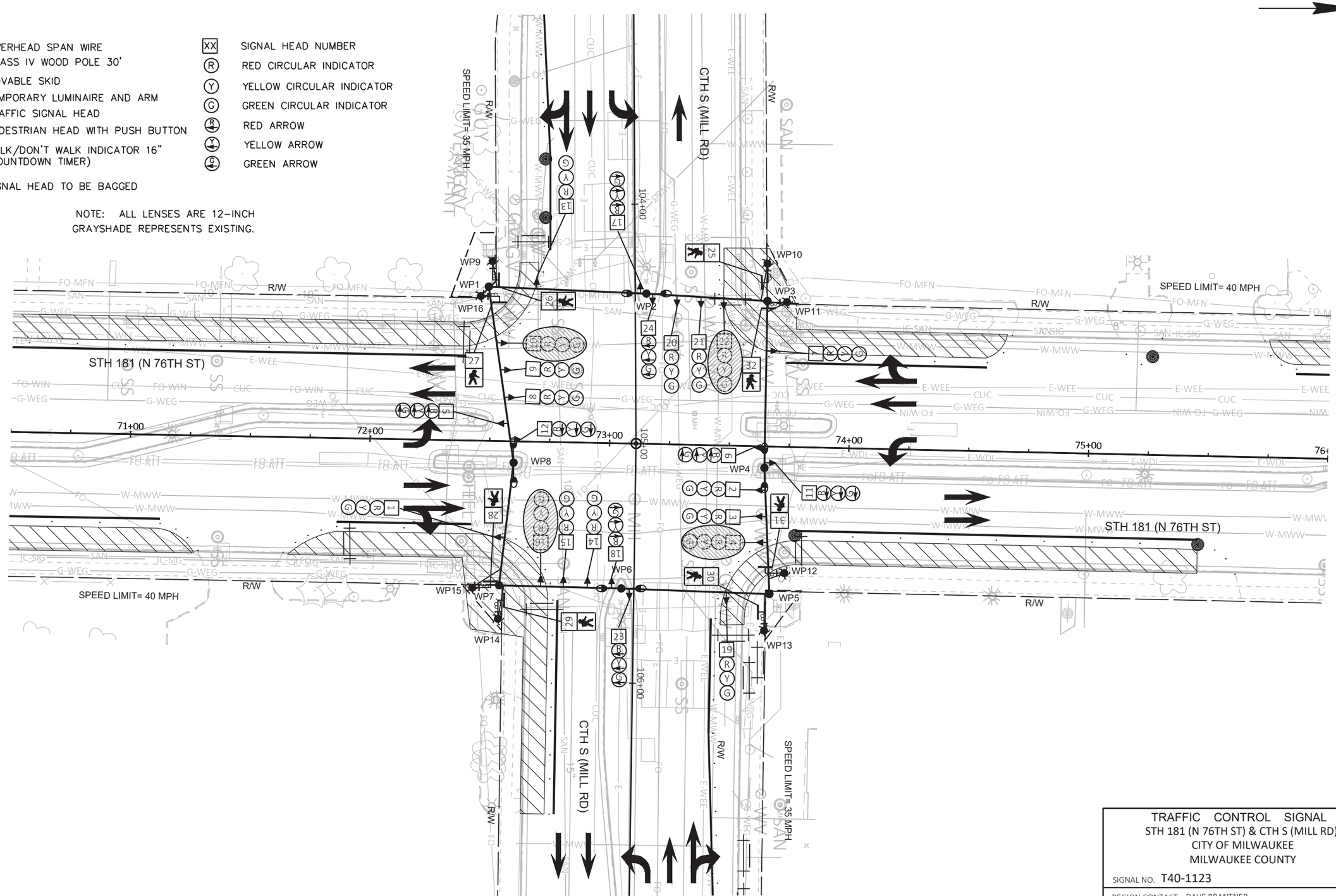
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WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R ARROW RED ARROW
- Y ARROW YELLOW ARROW
- G ARROW GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH S (MILL RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1123

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 175	E

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PLOT NAME :
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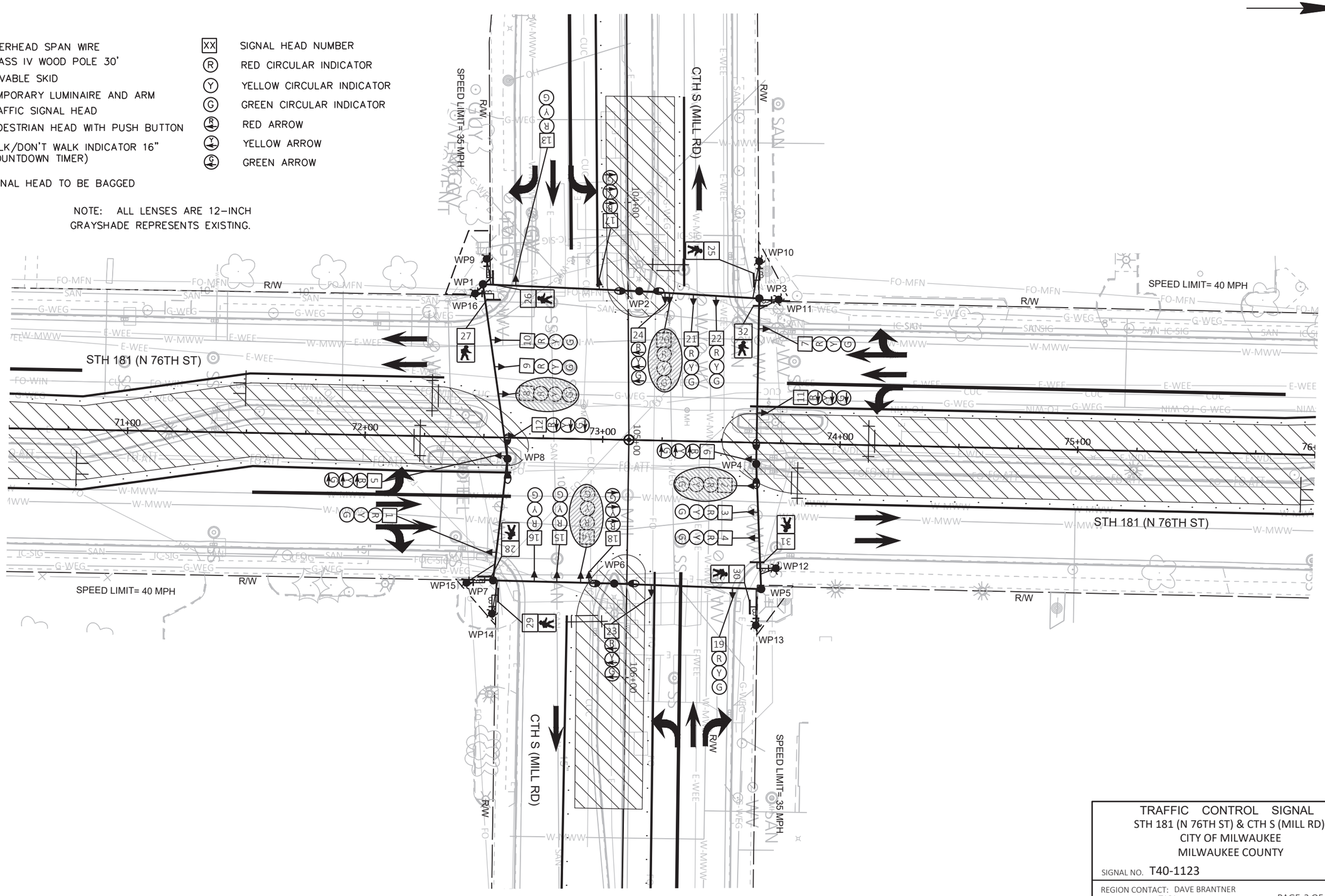
2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

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

N



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH S (MILL RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1123

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
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PAGE 3 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 176	E

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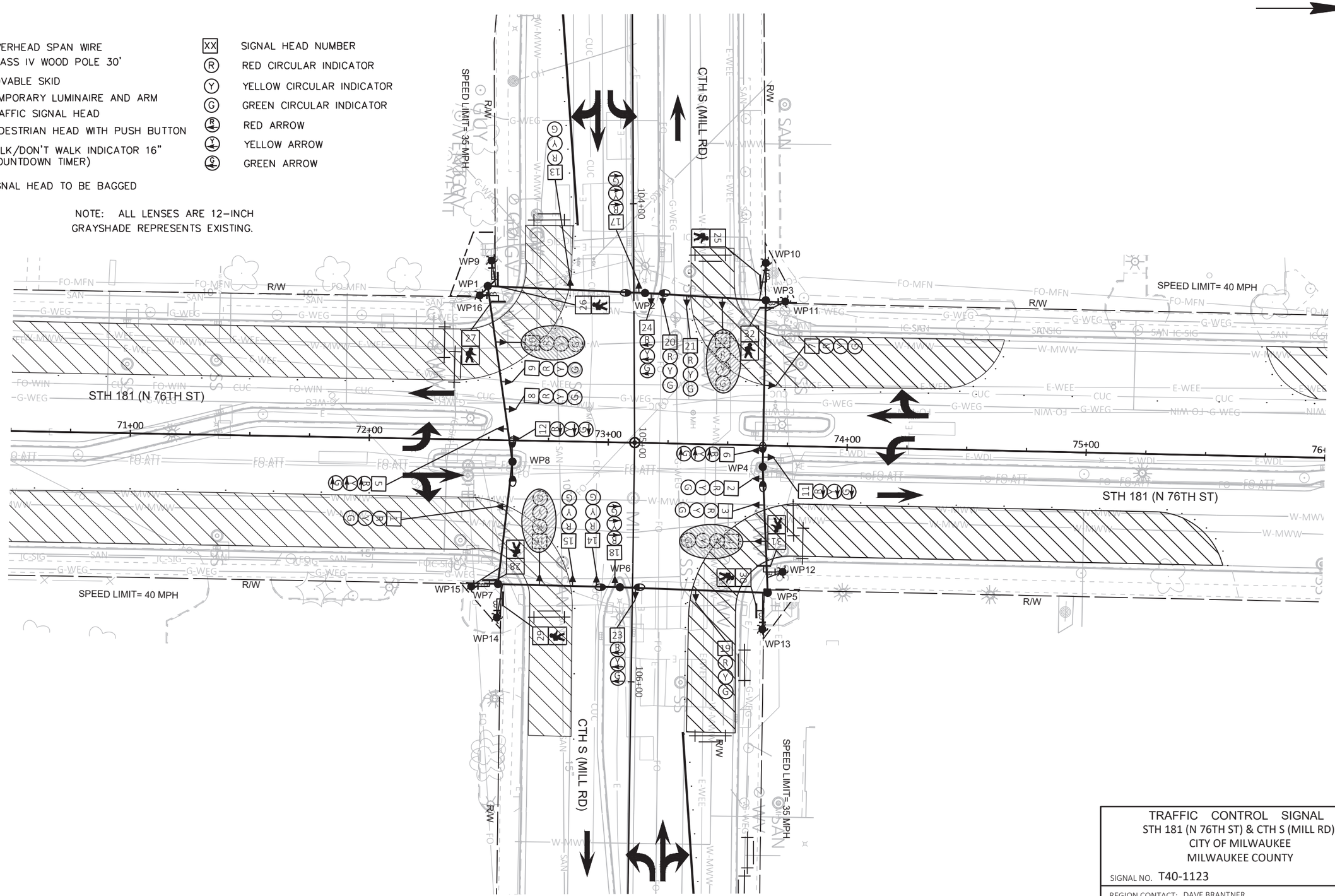
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WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH S (MILL RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1123

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 4 OF 8

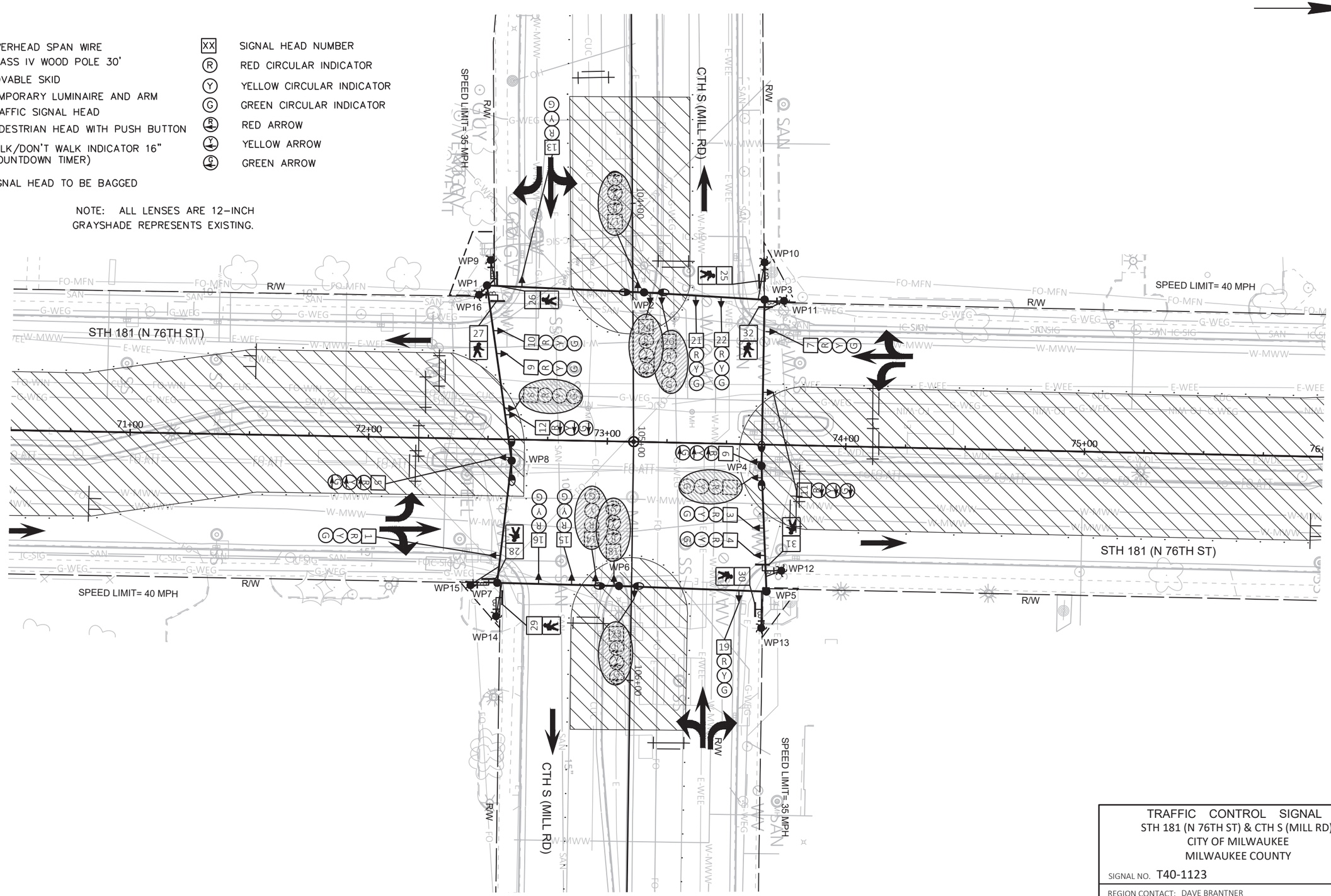
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PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R ARROW RED ARROW
- Y ARROW YELLOW ARROW
- G ARROW GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH S (MILL RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1123

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 5 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3B	SHEET 178	E

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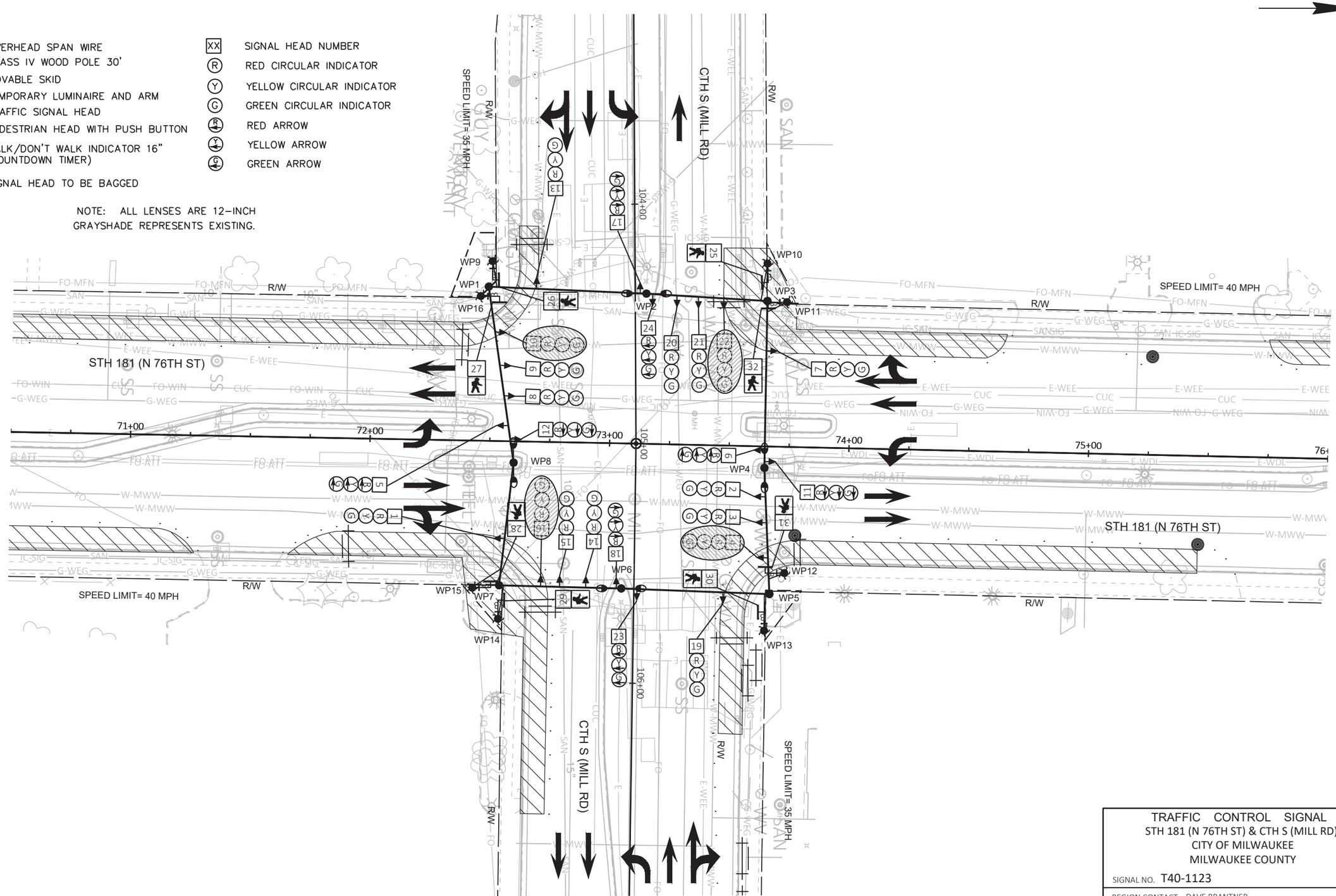
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WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH S (MILL RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1123

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET 179	E

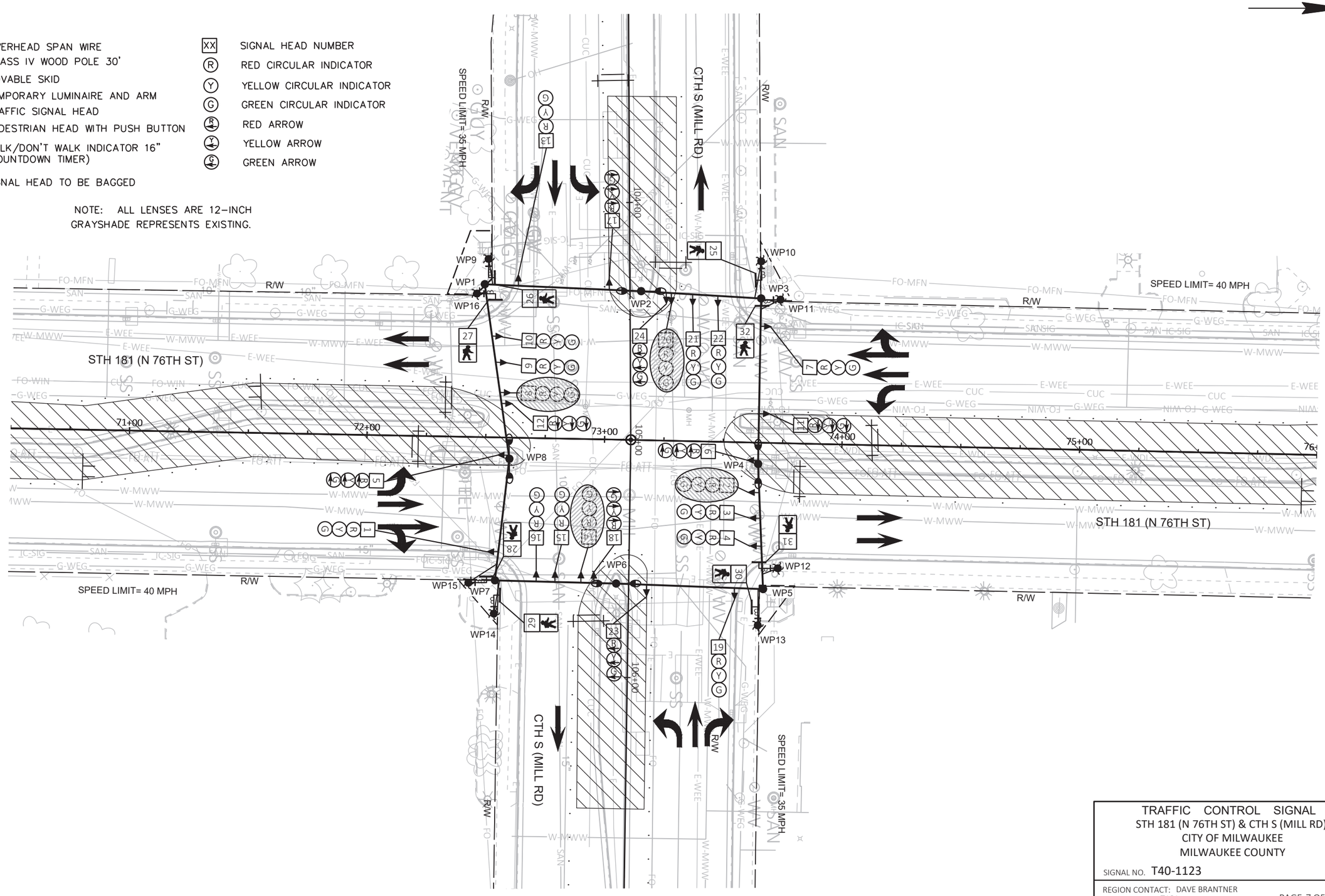
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2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH S (MILL RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1123

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 7 OF 8

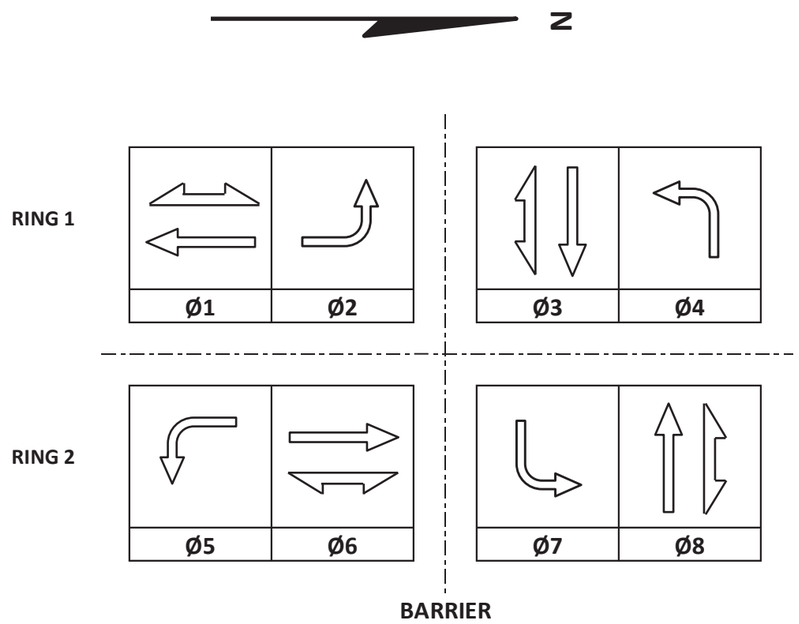
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET 180	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\02-MILL\T40-1123_MILL_TEMP_STAGE_4B.DWG
LAYOUT NAME - T40-1123_pg1

PLOT DATE : 4/17/2025 3:51 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	7,8,9,10	R
Ø2	5,6	R
Ø3	13,14,15,16	R
Ø4	23,24	R
Ø5	11,12	R
Ø6	1,2,3,4	R
Ø7	17,18	R
Ø8	19,20,21,22	R
Ø1P	25,26	
Ø3P	27,28	
Ø6P	29,30	
Ø8P	31,32	
OLE		
OLF		
OLG		



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

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

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

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

GENERAL NOTES:

1. OMIT PHASES 3 AND 7 DURING CONSTRUCTION STAGE 3B.
2. PHASES 2 AND 5 ARE IN CONFLICT AND SHALL NOT RUN CONCURRENTLY.
3. PHASES 4 AND 7 ARE IN CONFLICT AND SHALL NOT RUN CONCURRENTLY.

CONTROLLER LOGIC

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

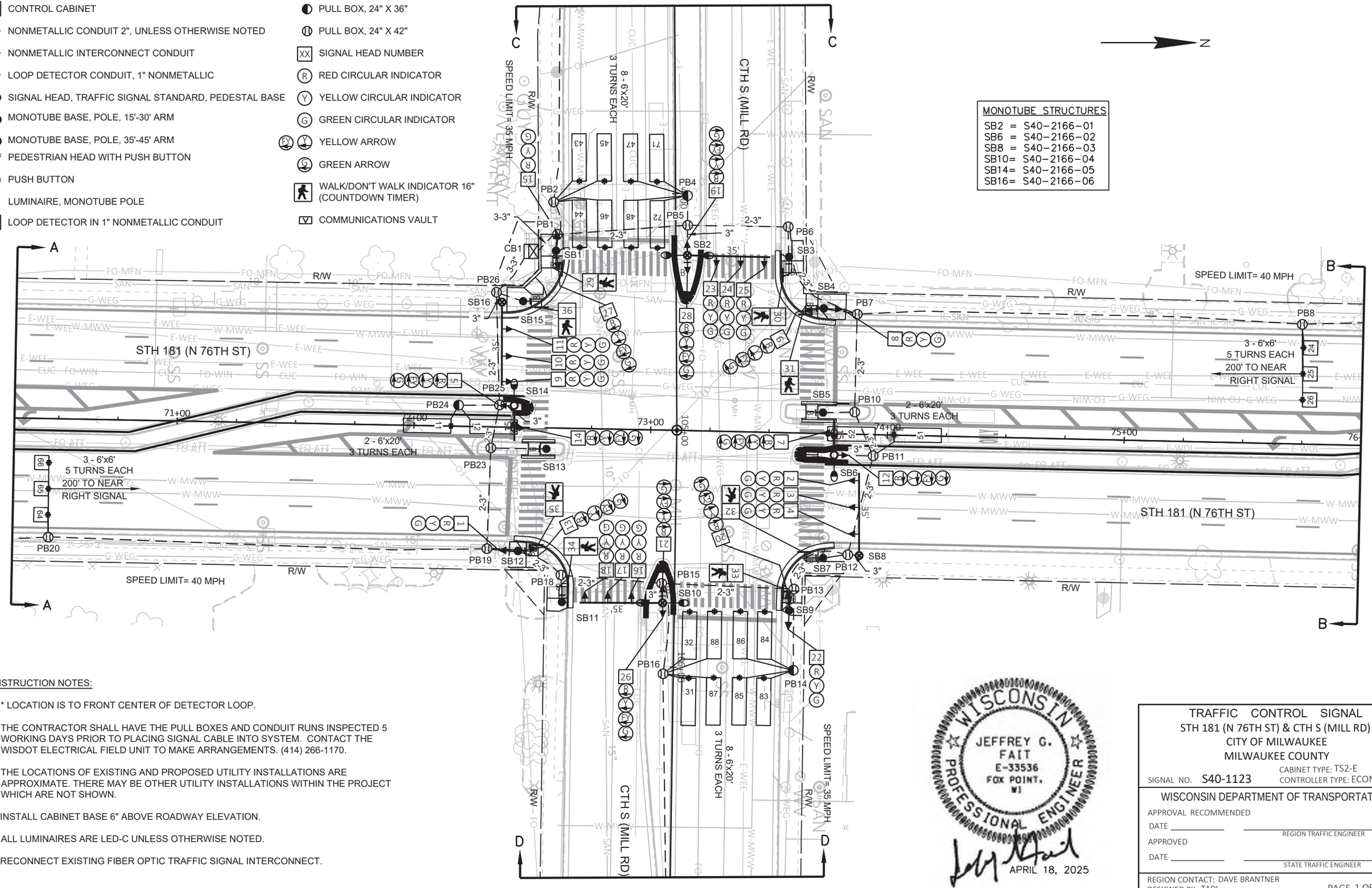
STH 181 (N 76TH ST) & CTH S (MILL RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: T40-1123 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 5/25 PAGE NUMBER: 8 OF 8

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, MONOTUBE POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT

MONOTUBE STRUCTURES
SB2 = S40-2166-01
SB6 = S40-2166-02
SB8 = S40-2166-03
SB10= S40-2166-04
SB14= S40-2166-05
SB16= S40-2166-06



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. RECONNECT EXISTING FIBER OPTIC TRAFFIC SIGNAL INTERCONNECT.

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH S (MILL RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1123
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 182	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1123_CTHS-MILL_2140-14-70.DWG
LAYOUT NAME - S40-1123_pg1
PLOT DATE : 4/18/2025 7:16 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

STH 181 (N 76TH ST)

R/W

R/W

A

A

69+00

70+00

34+00

35+00

PB22

3 - 6'x8'
5 TURNS EACH
330' TO NEAR
RIGHT SIGNAL

63

62

61

3 "

3 "

3 "

PB21

R/W

SPEED LIMIT= 40 MPH

CTH S (MILL RD)

SPEED LIMIT= 35 MPH

R/W

R/W

C

C

102+00

103+00

PB3

2 - 6'x6'
4 TURNS EACH

41

42

250' TO NEAR
RIGHT SIGNAL

D

D

107+00

108+00

CTH S (MILL RD)

R/W

R/W

SPEED LIMIT= 35 MPH

PB17

82

81

2 - 6'x10'
5 TURNS EACH

250' TO NEAR
RIGHT SIGNAL

B

B

SPEED LIMIT= 40 MPH

R/W

PB9

3 - 6'x8'
5 TURNS EACH
330' TO NEAR
RIGHT SIGNAL

21

22

23

77+00

STH 181 (N 76TH ST)

R/W

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH S (MILL RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1123

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 183	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1123_CTHS-MILL_2140-14-70.DWG
LAYOUT NAME - S40-1123_pg2

PLOT DATE : 4/18/2025 7:17 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

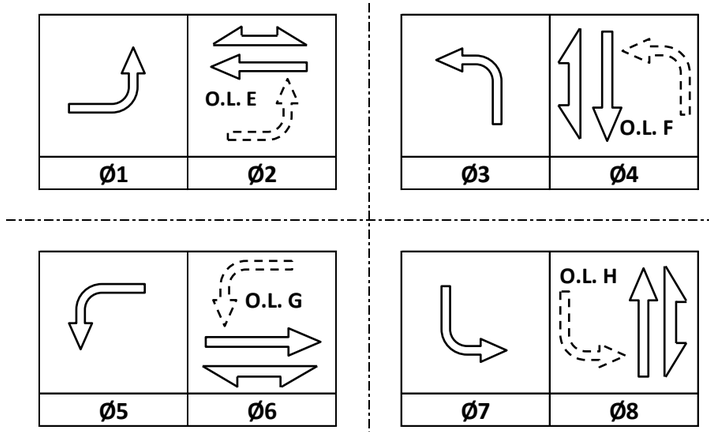
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R
Ø2	8,9,10,11	R
Ø3	26,27,28	R
Ø4	15,16,17,18	R
Ø5	12,13,14	R
Ø6	1,2,3,4	R
Ø7	19,20,21	R
Ø8	22,23,24,25	R
Ø2P	29,30	
Ø4P	35,36	
Ø6P	33,34	
Ø8P	31,32	
OLE	5,6,7	-
OLF	26,27,28	-
OLG	12,13,14	-
OLH	19,20,21	-

N

RING 1

RING 2



BARRIER

CONTROLLER LOGIC

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

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

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	0018

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	35	33	39	37	43	41	47	45	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	21	23	25	31	41	43	45	47	51	61	63	65	71	81	83	85	87							PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	2	3	4	4	4	4	5	6	6	6	7	8	8	8	8							CALLED PHASE
CALL OPTION	X	X	X	X	X		X	X	X	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	X	X	X	X	X	X	X	X	X	X							EXTENTION OPTION
EXTEND TIME						X	X								X										EXTEND TIME
USE ADDED INITIAL		X	X	X							X	X	X												USE ADDED INITIAL
CROSS SWITCH PHASE	2									6				8											CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	36	34	40	38	44	42	48	46	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	22	24	26	32	42	44	46	48	52	62	64	66	72	82	84	86	88							PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	2	3	4	4	4	4	5	6	6	6	7	8	8	8	8							CALLED PHASE
CALL OPTION	X	X	X	X	X		X	X	X	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	X	X	X	X	X	X	X	X	X	X							EXTENTION OPTION
EXTEND TIME						X									X										EXTEND TIME
USE ADDED INITIAL		X	X	X							X	X	X												USE ADDED INITIAL
CROSS SWITCH PHASE	2									6				8											CROSS SWITCH PHASE

STH 181 (N 76TH ST) & CTH S (MILL RD)

CITY OF MILWAUKEE

MILWAUKEE COUNTY

SIGNAL NO: S40-1123 CABINET TYPE: TS2-E

CONTROLLER TYPE: ECONOLITE

DATE: 5/25 PAGE NUMBER: 3 OF 3

PROJECT ID:	2140-14-70
INTERSECTION:	STH 181 AT MILL RD

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

CB1 TO	JUMPER	# OF COND. AWG 14	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	PED BUTTON 2
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FL YELLOW>	<GREEN>	D/WALK	WALK		
SB1		15	15	RED	ORG	GRN								
			27				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			29								BLK	BLU		
			B										WHT/BLK	
SB2		15	19				RED	ORG	BLK/WHT	GRN				
			23	RED/BLK	ORG/BLK	GRN/BLK								
			24	RED/BLK	ORG/BLK	GRN/BLK								
			25	RED/BLK	ORG/BLK	GRN/BLK								
			28				RED/WHT	BLU/BLK	BLU/WHT	GRN/WHT				
SB3		7	30								BLK	BLU		
			B										WHT/BLK	
SB4		15	6				RED	ORG	BLK/WHT	GRN				
			8	RED/BLK	ORG/BLK	GRN/BLK								
			31								BLK	BLU		
			B										WHT/BLK	
SB5		7	B										WHT/BLK	
SB6		12	7				RED	ORG	BLK/WHT	GRN				
			12				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK				
SB7		7	32								BLK	BLU		
			B										WHT/BLK	
SB8		12	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
			4	RED	ORG	GRN								
SB9		15	20				RED	ORG	BLK/WHT	GRN				
			22	RED/BLK	ORG/BLK	GRN/BLK								
			33								BLK	BLU		
			B										WHT/BLK	
SB10		15	16	RED	ORG	GRN								
			17	RED	ORG	GRN								
			18	RED	ORG	GRN								
			21				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			26				RED/WHT	BLU/BLK	BLU/WHT	GRN/WHT				
			B										WHT/BLK	
SB11		7	34								BLK	BLU		
			B										WHT/BLK	
SB12		15	1	RED	ORG	GRN								
			13				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			35								BLK	BLU		
			B										WHT/BLK	
SB13		7	B										WHT/BLK	
SB14		12	5				RED	ORG	BLK/WHT	GRN				
			14				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK				
SB15		7	36								BLK	BLU		
			B										WHT/BLK	
SB16		12	9	RED	ORG	GRN								
			10	RED	ORG	GRN								
			11	RED	ORG	GRN								

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	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	SB16
SB16	CB1

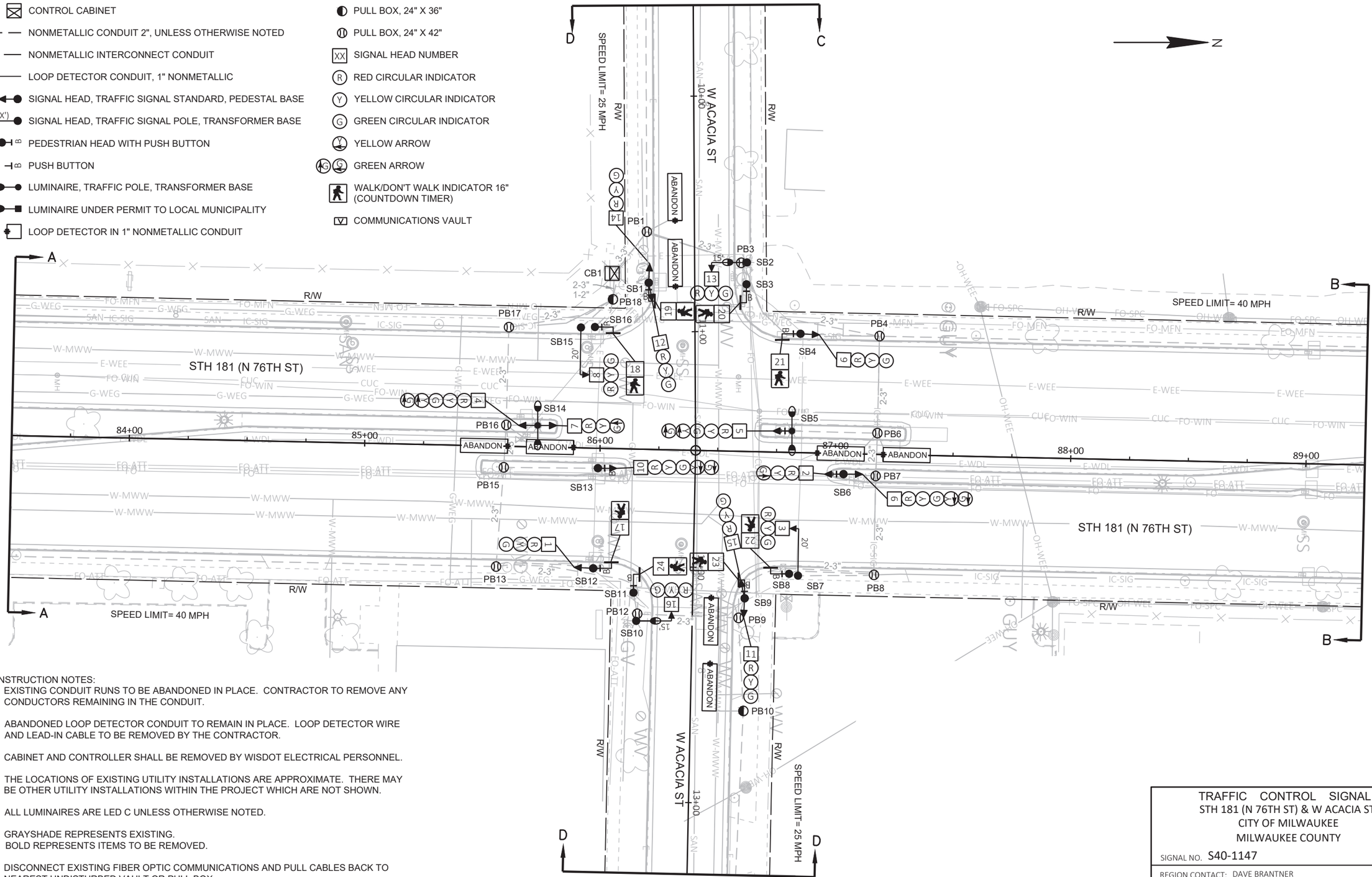
PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
CB1	PB1
SB2	PB5
SB3	PB6
SB4	PB7
SB5	PB10
SB6	PB11
SB8	PB12
SB9	PB13
SB10	PB15
SB11	PB18
SB12	PB19
SB13	PB23
SB14	PB25
SB16	PB26

LIGHTING UF 12 AWG W/GROUND	
FROM	TO
CB1	SB2
SB2	SB6
CB1	SB14
SB14	SB10

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

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- AG AG GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT



CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED C UNLESS OTHERWISE NOTED.
6. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.
7. DISCONNECT EXISTING FIBER OPTIC COMMUNICATIONS AND PULL CABLES BACK TO NEAREST UNDISTURBED VAULT OR PULL BOX.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1147

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 1 OF 2

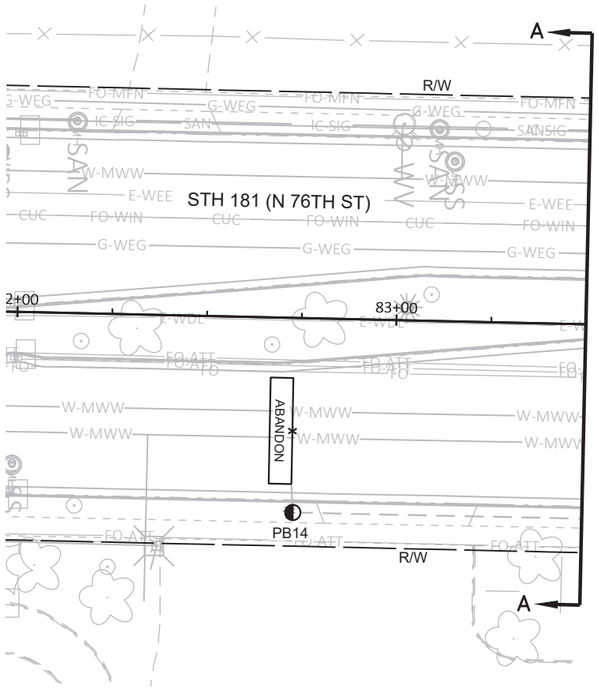
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 186	E

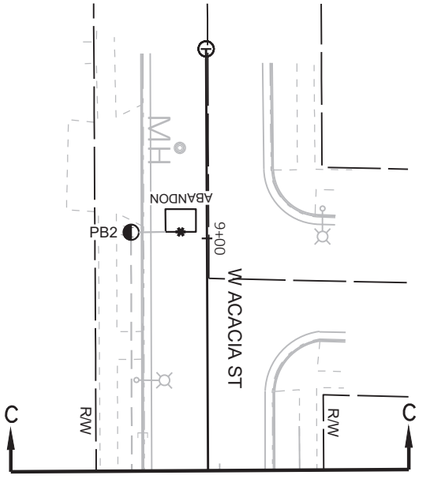
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LAYOUT NAME - S40-1147_rem_pg1

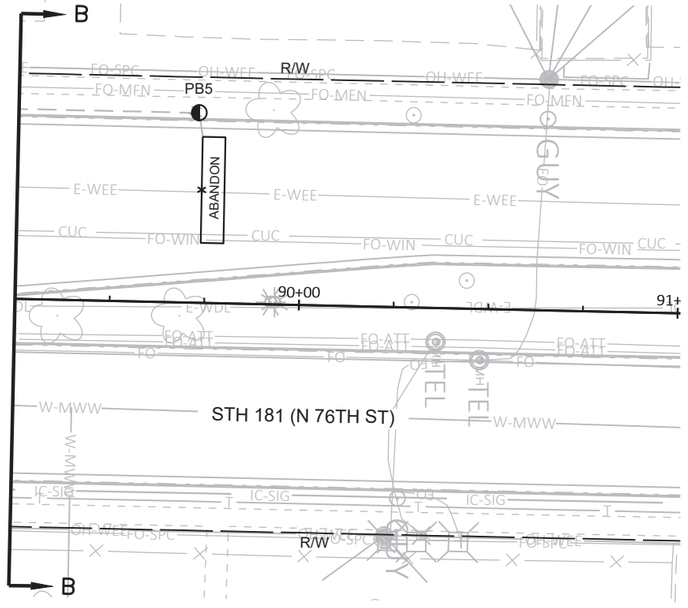
PLOT DATE : 4/18/2025 3:09 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

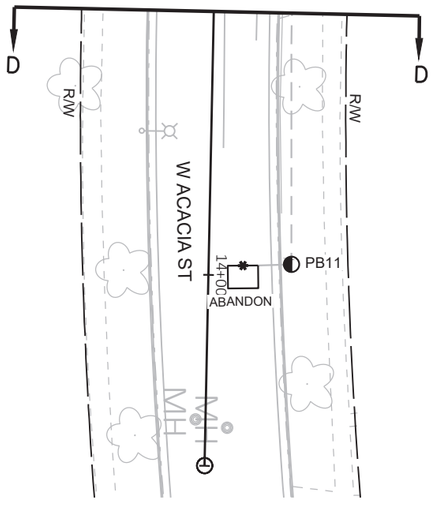
WISDOT/CADDS SHEET 42

2









TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1147

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 187	E

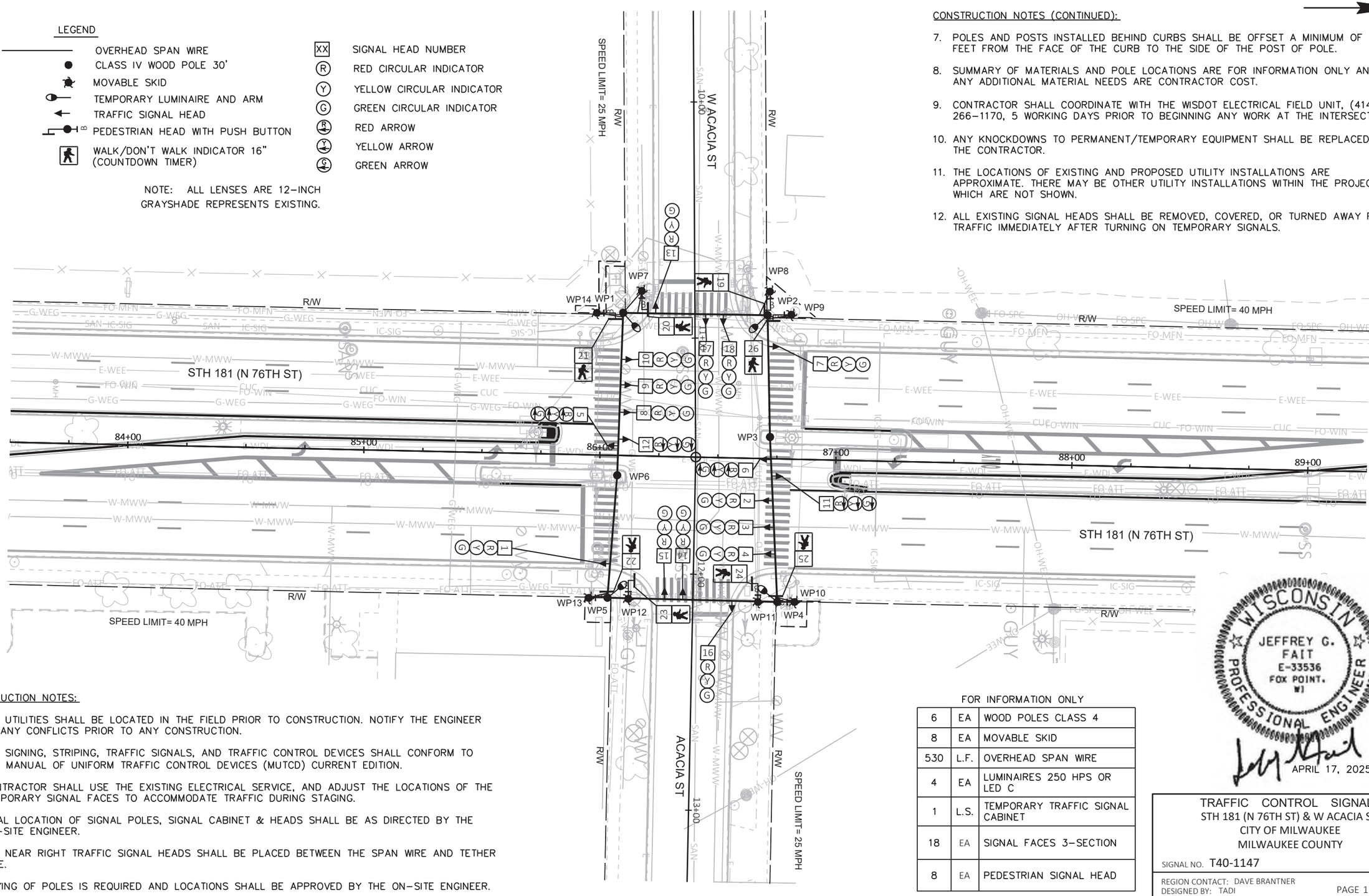
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LAYOUT NAME - S40-1147_rem_pg2

PLOT DATE : 4/18/2025 3:10 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES (CONTINUED):

7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OF POLE.
8. SUMMARY OF MATERIALS AND POLE LOCATIONS ARE FOR INFORMATION ONLY AND ANY ADDITIONAL MATERIAL NEEDS ARE CONTRACTOR COST.
9. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266–1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
10. ANY KNOCKDOWNS TO PERMANENT/TEMPORARY EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
11. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
12. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION.
2. ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
3. CONTRACTOR SHALL USE THE EXISTING ELECTRICAL SERVICE, AND ADJUST THE LOCATIONS OF THE TEMPORARY SIGNAL FACES TO ACCOMMODATE TRAFFIC DURING STAGING.
4. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ON–SITE ENGINEER.
5. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ON–SITE ENGINEER.

FOR INFORMATION ONLY

6	EA	WOOD POLES CLASS 4
8	EA	MOVABLE SKID
530	L.F.	OVERHEAD SPAN WIRE
4	EA	LUMINAIRES 250 HPS OR LED C
1	L.S.	TEMPORARY TRAFFIC SIGNAL CABINET
18	EA	SIGNAL FACES 3–SECTION
8	EA	PEDESTRIAN SIGNAL HEAD

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 17, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1147

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-STAGE	SHEET 188	E

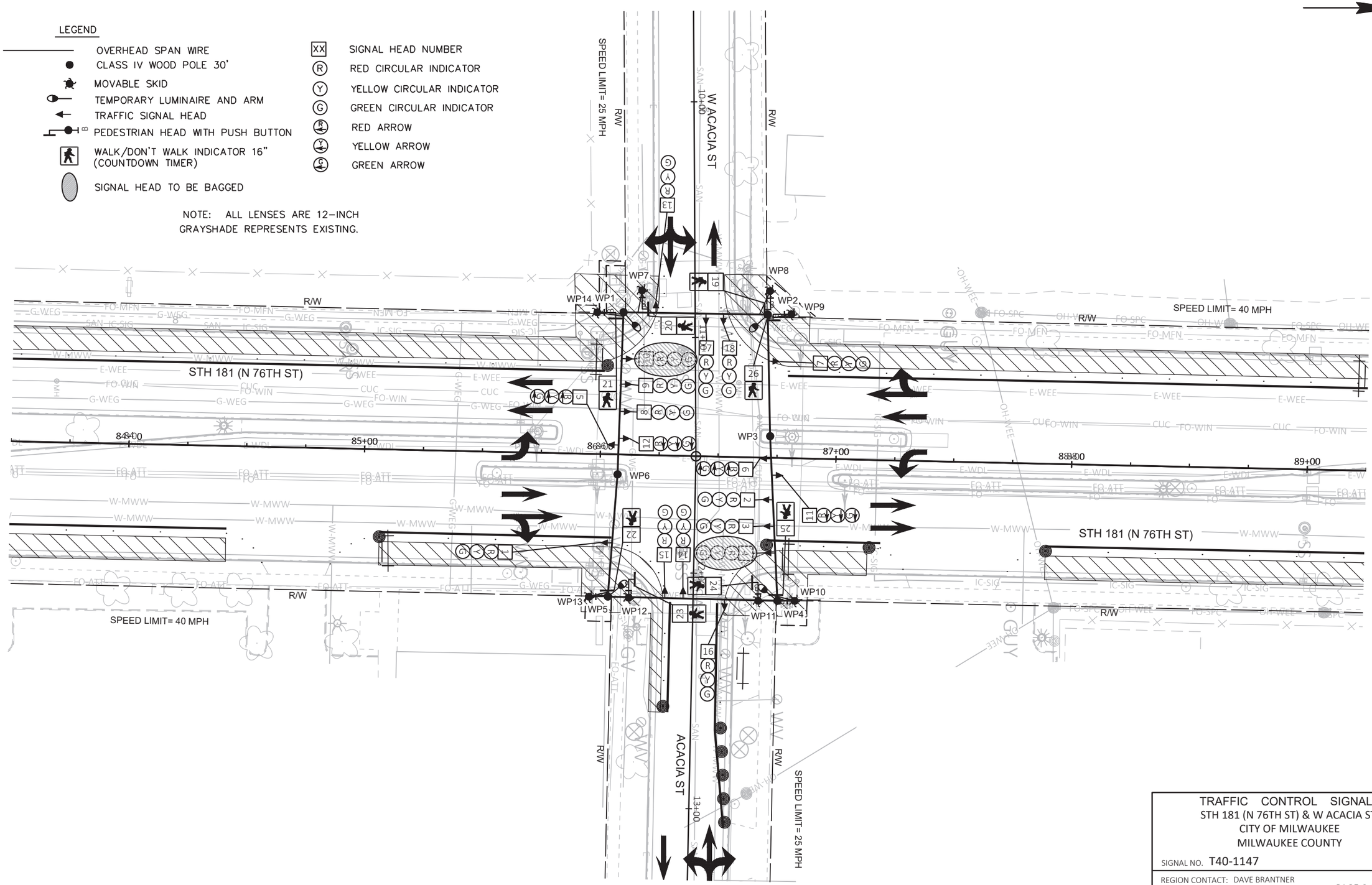
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LAYOUT NAME - T40-1147_pg1
PLOT DATE : 4/17/2025 7:19 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1147

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 189	E

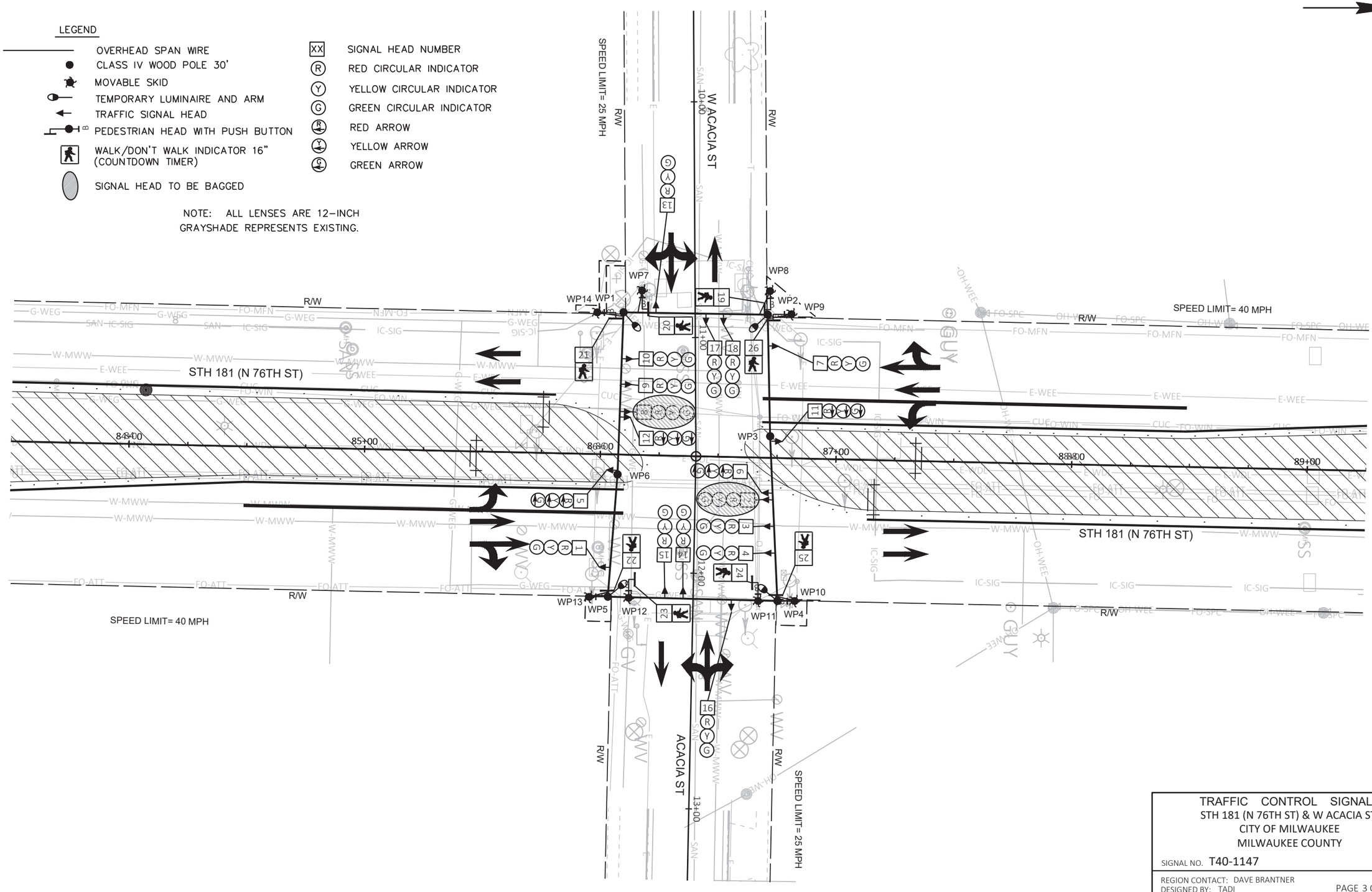
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LAYOUT NAME - T40-1147_pg1

PLOT DATE : 4/17/2025 7:20 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1147

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 3 OF 8

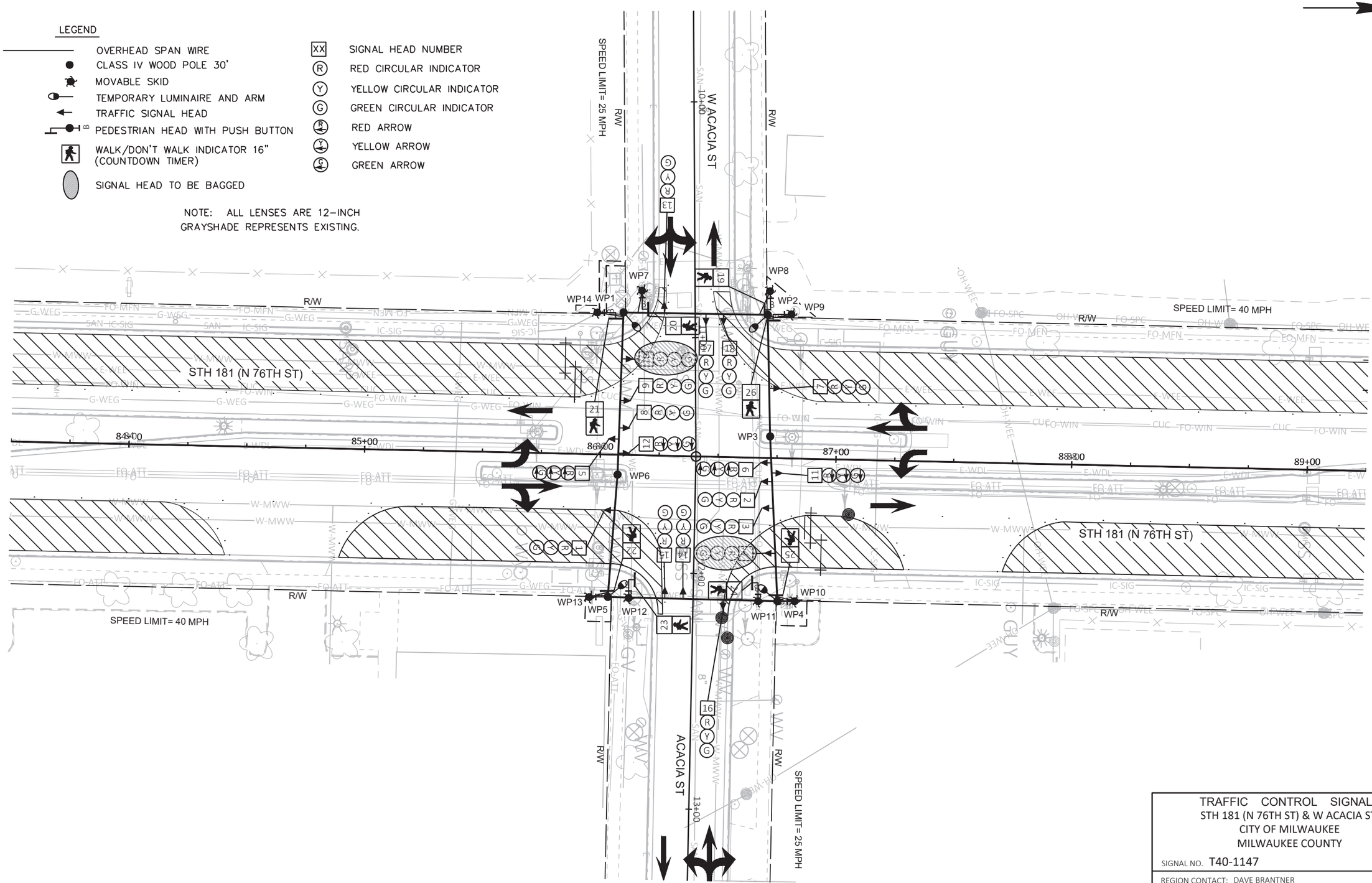
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 190	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\03-ACACIA\T40-1147_ACACIA_TEMP_STAGE_2.DWG
LAYOUT NAME - T40-1147_pg1
PLOT DATE : 4/17/2025 7:20 PM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1147

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 4 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3A	SHEET 191	E

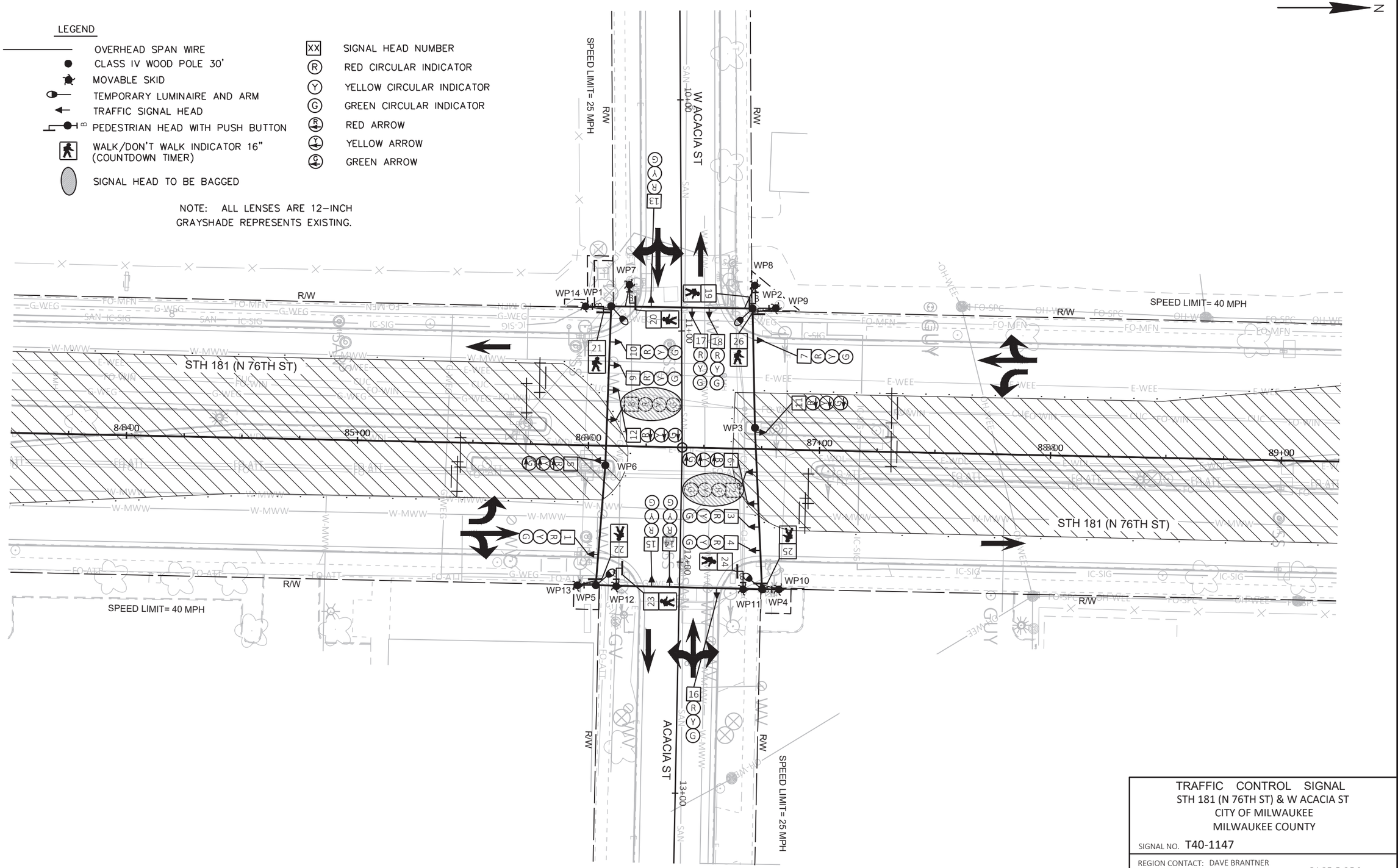
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LAYOUT NAME - T40-1147_pg1
PLOT DATE : 4/17/2025 7:21 PM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1147

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 5 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3B	SHEET 192	E

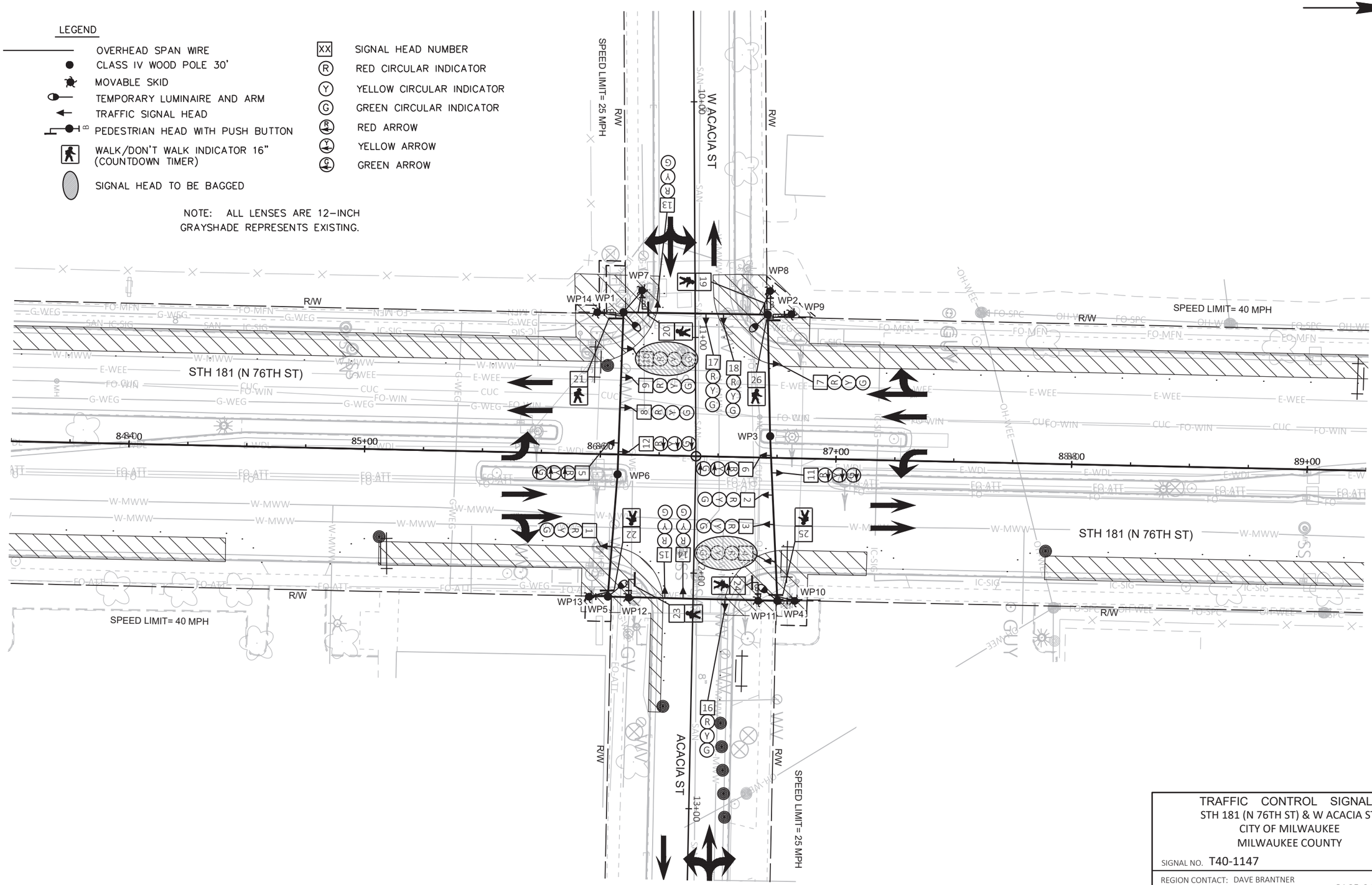
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LAYOUT NAME - T40-1147_pg1

PLOT DATE : 4/17/2025 7:22 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1147

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET 193	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\03-ACACIA\T40-1147_ACACIA_TEMP_STAGE_4A.DWG
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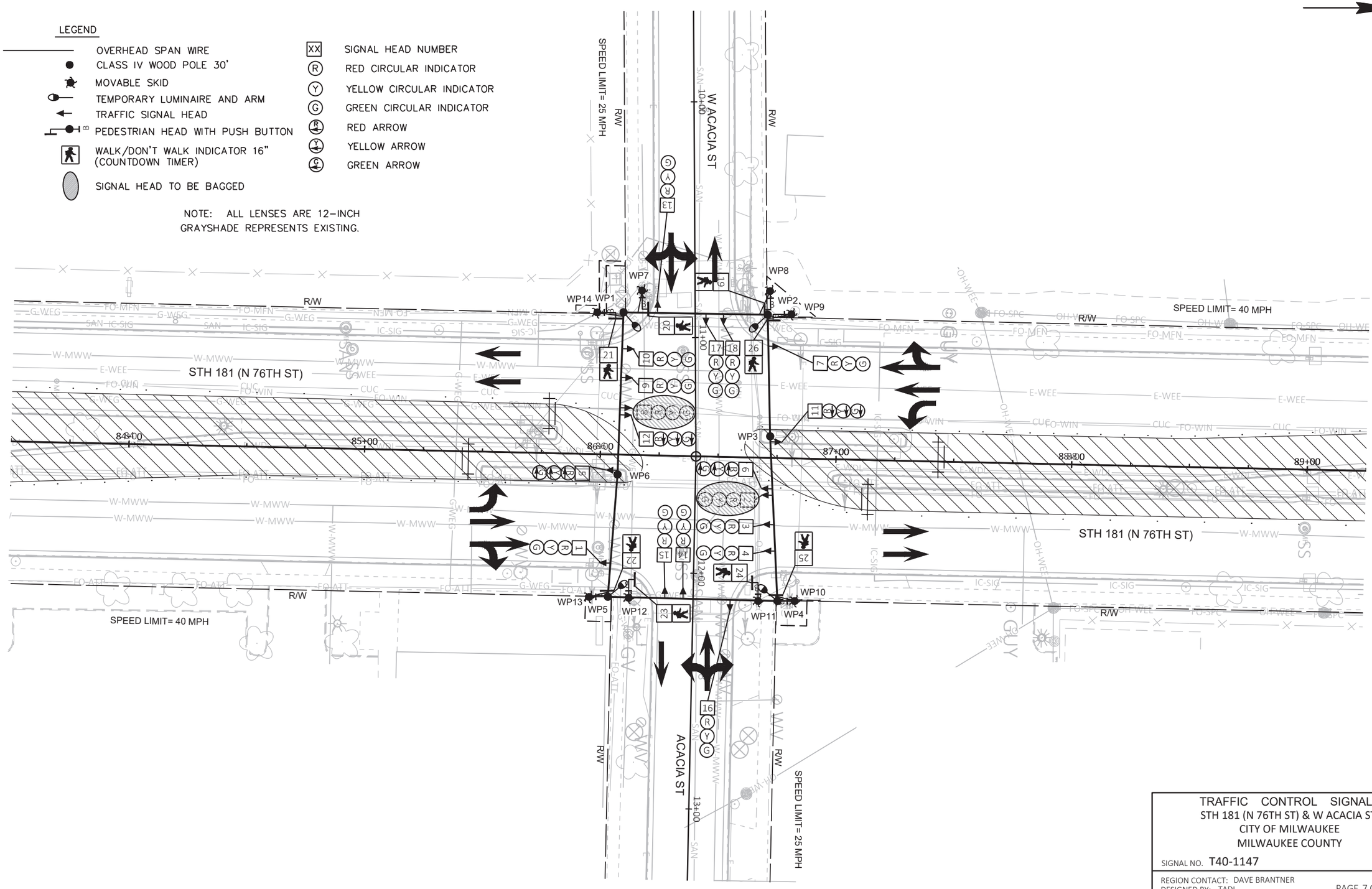
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WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1147

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

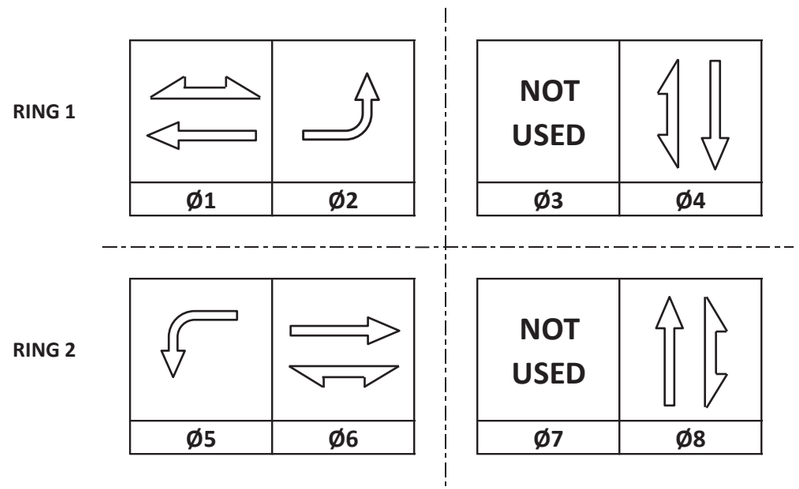
PAGE 7 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET 194	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\03-ACACIA\T40-1147_ACACIA_TEMP_STAGE_4B.DWG
LAYOUT NAME - T40-1147_pg1
PLOT DATE : 4/17/2025 7:23 PM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	7,8,9,10	R
Ø2	5,6	R ←
Ø3		
Ø4	13,14,15	R
Ø5	11,12	R ←
Ø6	1,2,3,4	R
Ø7		
Ø8	16,17,18	R
Ø1P	19,20	
Ø4P	21,22	
Ø6P	23,24	
Ø8P	25,26	
OLE		
OLF		
OLG		
OLH		

N



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

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

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

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

CONTROLLER LOGIC

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

GENERAL NOTES:

1. PHASES 2 AND 5 ARE IN CONFLICT AND SHALL NOT RUN CONCURRENTLY.

STH 181 (N 76TH ST) & ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: T40-1147 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 5/25 PAGE NUMBER: 8 OF 8

2

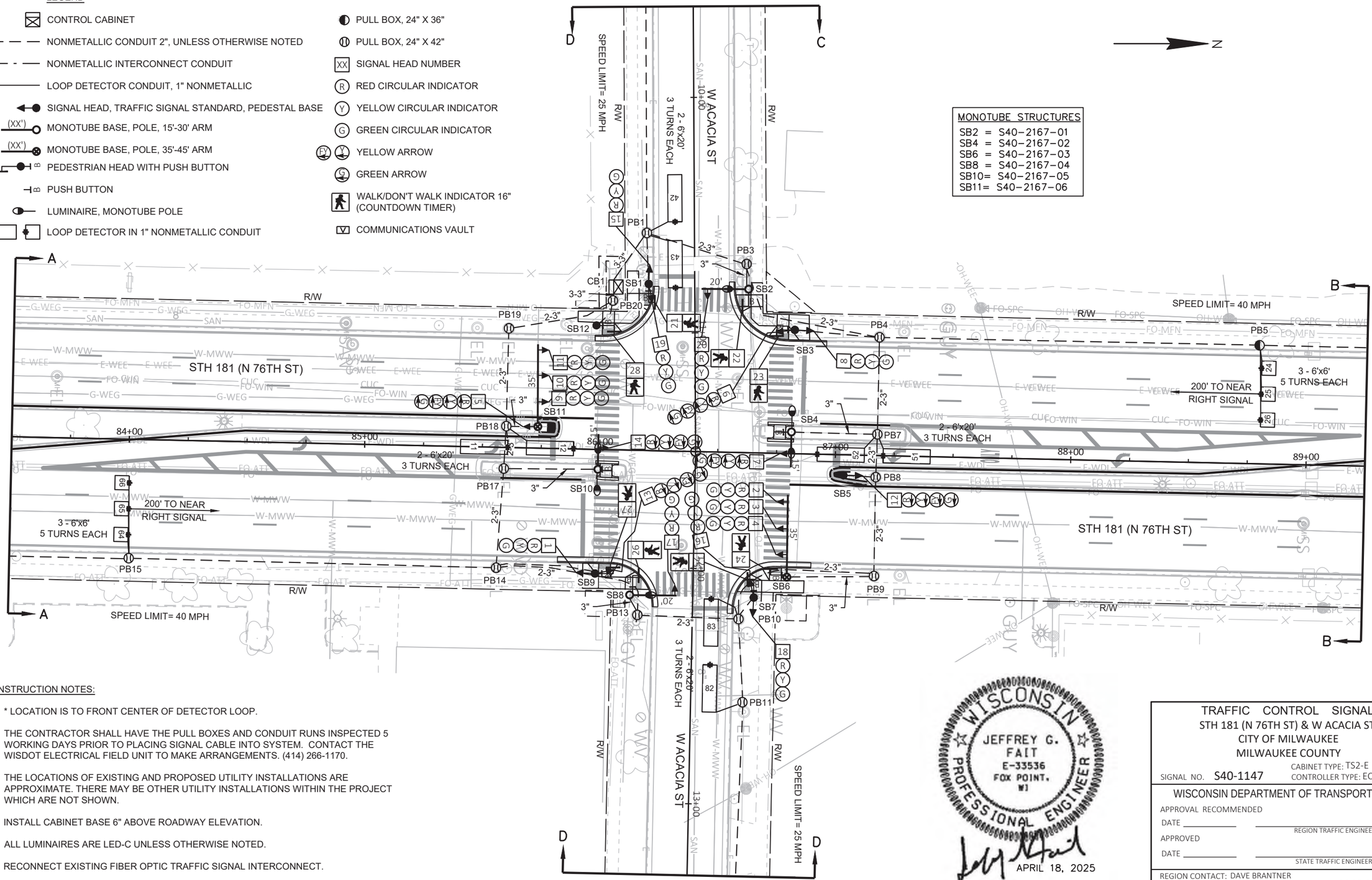
2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, MONOTUBE POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY YELLOW ARROW
- FG GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT

MONOTUBE STRUCTURES

SB2 = S40-2167-01
SB4 = S40-2167-02
SB6 = S40-2167-03
SB8 = S40-2167-04
SB10= S40-2167-05
SB11= S40-2167-06



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. RECONNECT EXISTING FIBER OPTIC TRAFFIC SIGNAL INTERCONNECT.

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1147
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

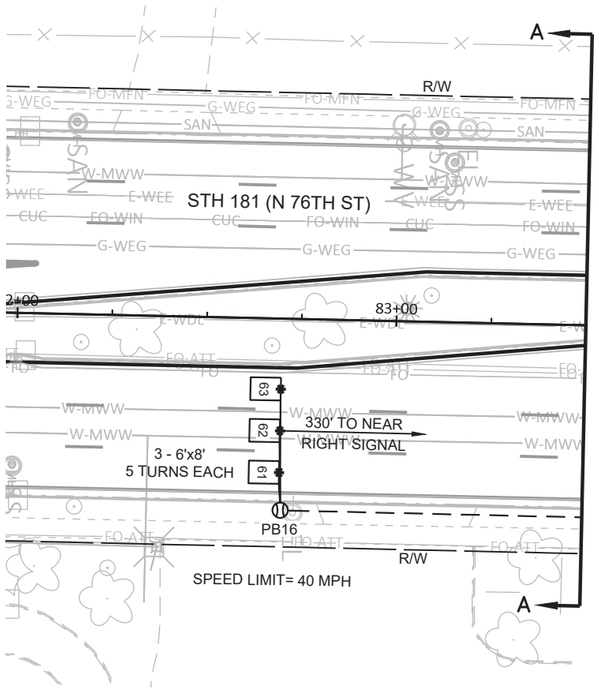
REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

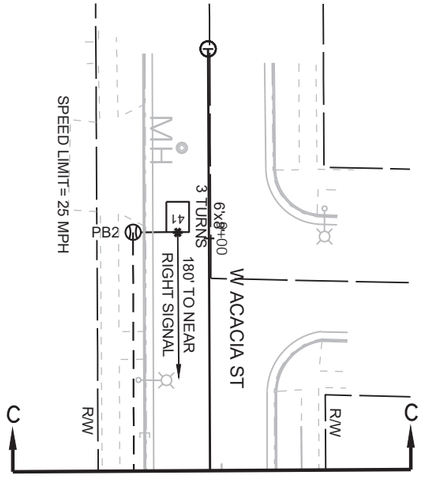
PAGE 1 OF 3

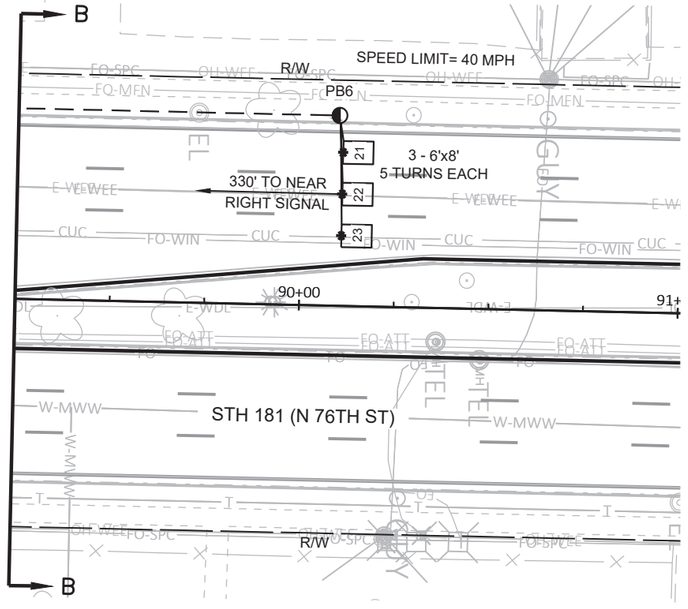
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 196	E

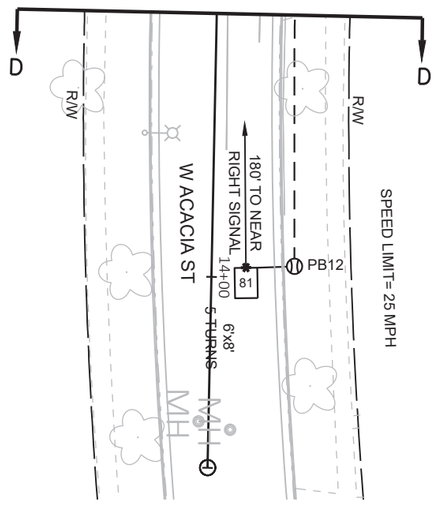
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LAYOUT NAME - S40-1147_pg1
PLOT DATE : 4/18/2025 7:21 PM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2









TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

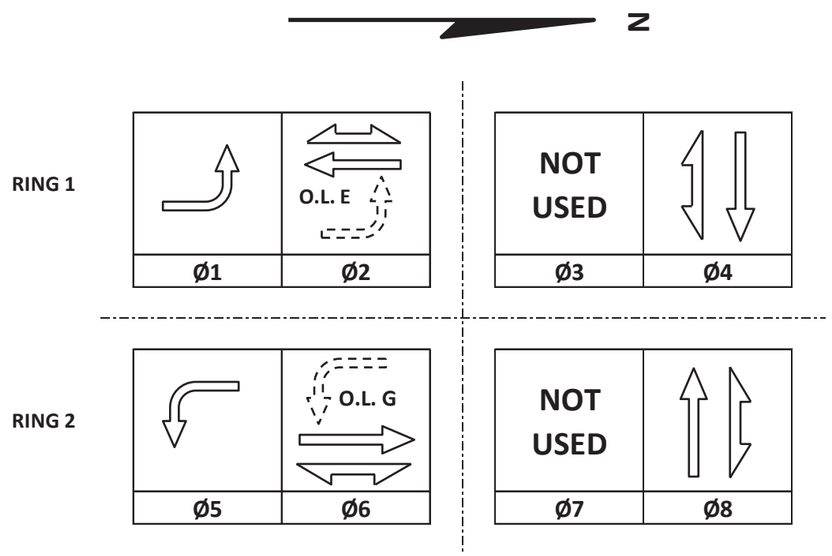
SIGNAL NO. S40-1147

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 197	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1147_ACACIA_2140-14-70.DWG
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PLOT DATE : 4/18/2025 7:22 PM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

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



CONTROLLER LOGIC

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

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

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	0018

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	23	25	41	43	52	62
CALLED PHASE	1	2	2	2	4	4	5	6
CALL OPTION	X	X	X	X		X	X	X
DELAY TIME						X		
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME					X			
USE ADDED INITIAL		X	X	X				X
CROSS SWITCH PHASE	2						6	

DETECTOR INPUT	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	64	66	82						PLAN LOOP DETECTOR*(S)
CALLED PHASE	6	6	8						CALLED PHASE
CALL OPTION	X	X	X						CALL OPTION
DELAY TIME									DELAY TIME
EXTENTION OPTION	X	X	X						EXTENTION OPTION
EXTEND TIME									EXTEND TIME
USE ADDED INITIAL	X	X							USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	22	24	26	42	51	61	63
CALLED PHASE	1	2	2	2	4	5	6	6
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME					X			
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL		X	X	X			X	X
CROSS SWITCH PHASE	2					6		

DETECTOR INPUT	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	65	81	83						PLAN LOOP DETECTOR*(S)
CALLED PHASE	6	8	8						CALLED PHASE
CALL OPTION	X		X						CALL OPTION
DELAY TIME			X						DELAY TIME
EXTENTION OPTION	X	X	X						EXTENTION OPTION
EXTEND TIME		X							EXTEND TIME
USE ADDED INITIAL	X								USE ADDED INITIAL
CROSS SWITCH PHASE									CROSS SWITCH PHASE

STH 181 (N 76TH ST) & ACACIA ST
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO:	S40-1147	CABINET TYPE: TS2-E	
		CONTROLLER TYPE: ECONOLITE	
DATE:	5/25	PAGE NUMBER: 3 OF 3	

PROJECT ID:	2140-14-70
INTERSECTION:	STH 181 AT ACACIA ST

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

CB1 TO	JUMPER	# OF COND. AWG 14	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	PED BUTTON 2
				RED	YELLOW	GREEN	<RED	<YELLOW>	<FL YELLOW>	<GREEN>	D/WALK	WALK		
SB1		12	15	RED	ORG	GRN								
			19	RED/BLK	ORG/BLK	GRN/BLK								
			21								BLK	BLU		
			B										WHT/BLK	
SB2		12	20	RED	ORG	GRN								
			22								BLK	BLU		
			B										WHT/BLK	
SB3		15	6				RED	ORG	BLK/WHT	GRN				
			8	RED/BLK	ORG/BLK	GRN/BLK								
			23								BLK	BLU		
			B										WHT/BLK	
SB4		12	7				RED	ORG	BLK/WHT	GRN				
			B										WHT/BLK	
SB5		12	12				RED	ORG	BLK/WHT	GRN				
SB6		12	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
			4	RED	ORG	GRN								
			24								BLK	BLU		
			B										WHT/BLK	
SB7		12	16	RED	ORG	GRN								
			18	RED/BLK	ORG/BLK	GRN/BLK								
			25								BLK	BLU		
			B										WHT/BLK	
SB8		12	17	RED	ORG	GRN								
			26								BLK	BLU		
			B										WHT/BLK	
SB9		15	1	RED	ORG	GRN								
			13				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			27								BLK	BLU		
			B										WHT/BLK	
SB10		12	14				RED	ORG	BLK/WHT	GRN				
			B										WHT/BLK	
SB11		12	5				RED	ORG	BLK/WHT	GRN				
			9	RED/BLK	ORG/BLK	GRN/BLK								
			10	RED/BLK	ORG/BLK	GRN/BLK								
			11	RED/BLK	ORG/BLK	GRN/BLK								
SB12		7	28								BLK	BLU		
			B										WHT/BLK	

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	SB12
SB12	CB1

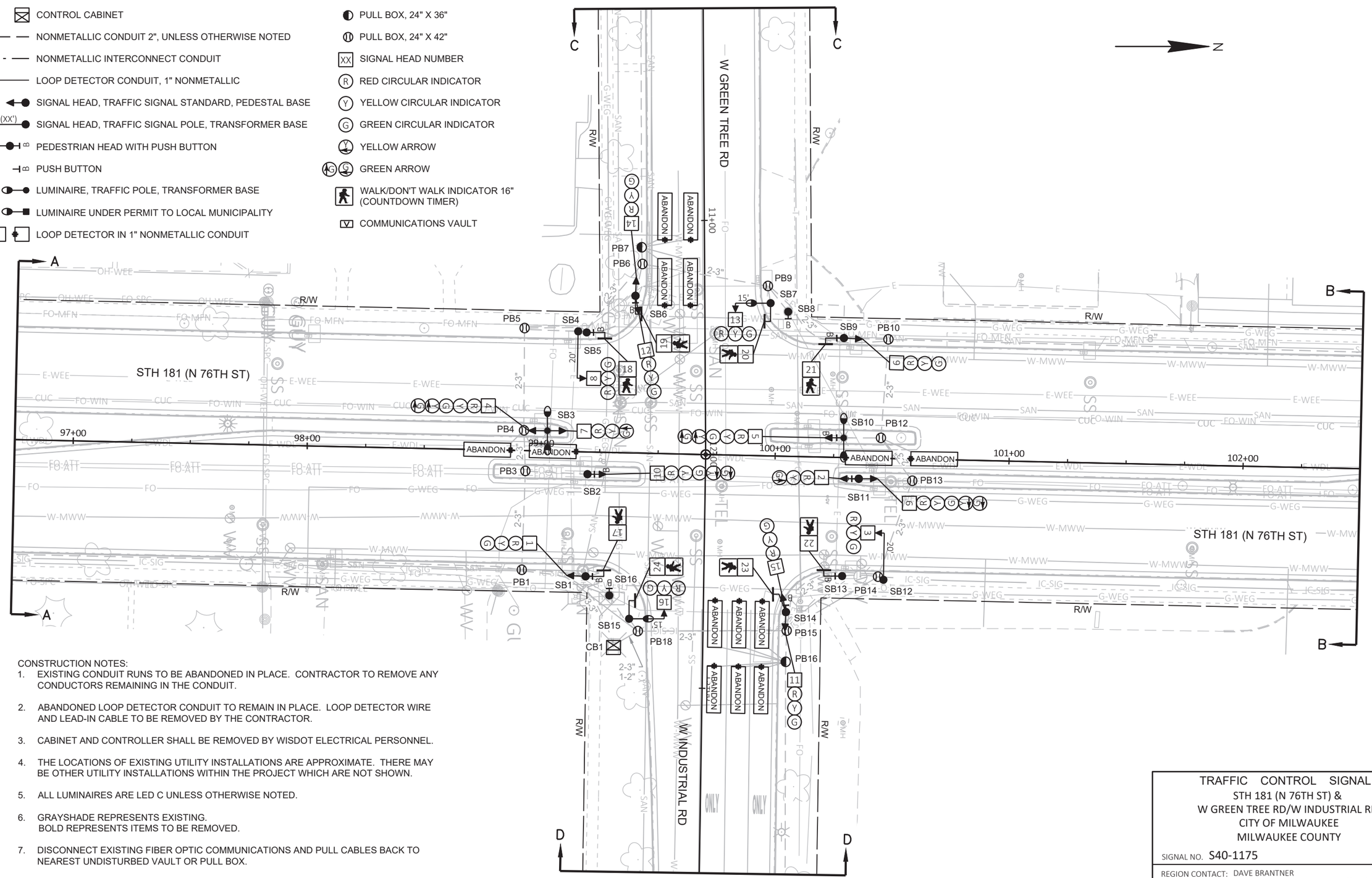
PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
CB1	PB1
SB2	PB3
SB3	PB4
SB4	PB7
SB5	PB8
SB6	PB9
SB7	PB10
SB8	PB13
SB9	PB14
SB10	PB17
SB11	PB18
CB1	PB19
CB1	PB20

LIGHTING UF 12 AWG W/GROUND	
FROM	TO
CB1	SB2
SB2	SB4
CB1	SB10
SB10	SB8

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

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- B PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- AG G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT



CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED C UNLESS OTHERWISE NOTED.
6. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.
7. DISCONNECT EXISTING FIBER OPTIC COMMUNICATIONS AND PULL CABLES BACK TO NEAREST UNDISTURBED VAULT OR PULL BOX.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) &
W GREEN TREE RD/W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1175

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

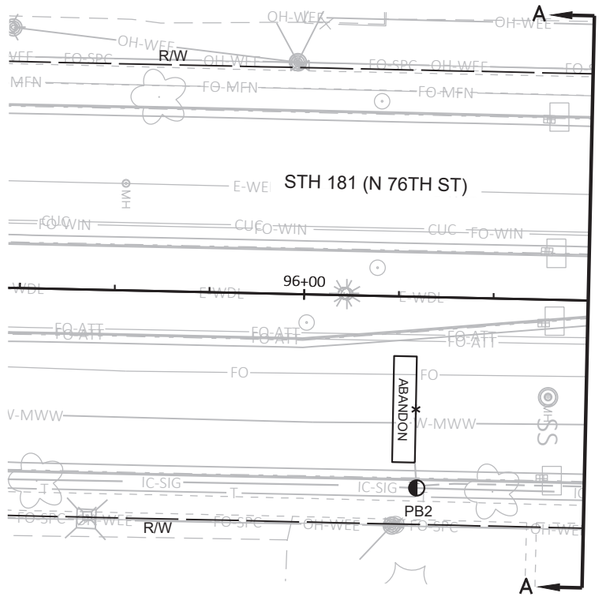
PAGE 1 OF 2

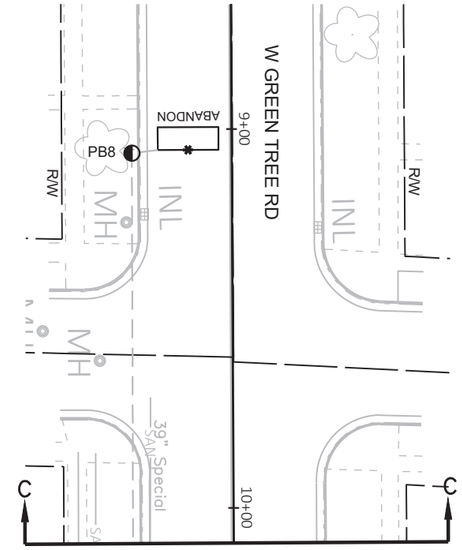
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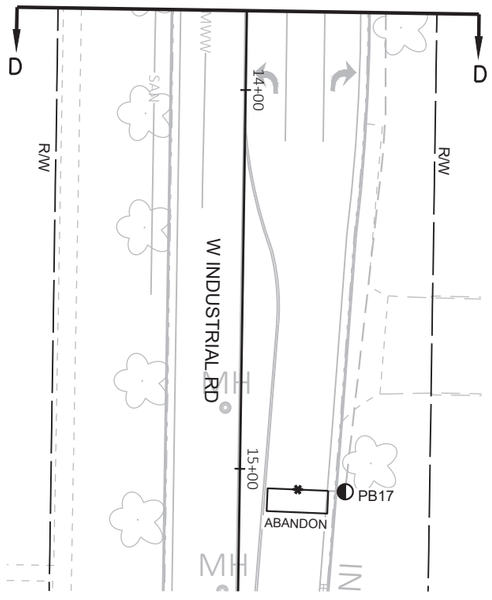
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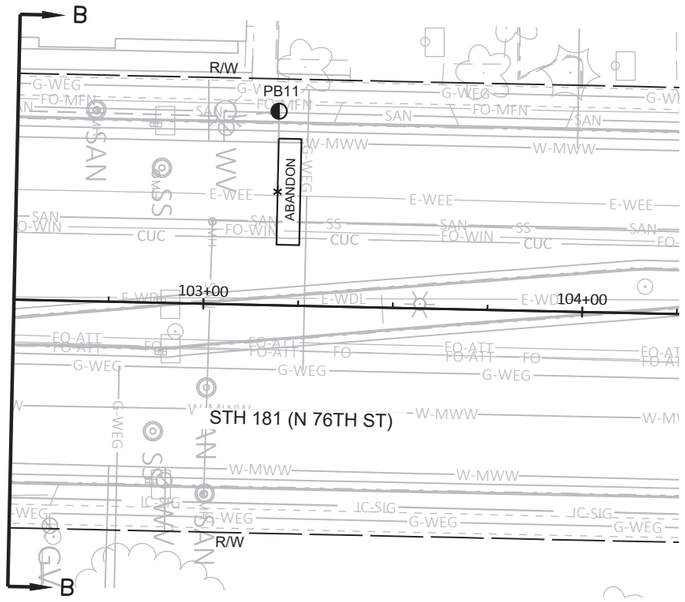
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TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) &
W GREEN TREE RD/W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1175

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 201	E

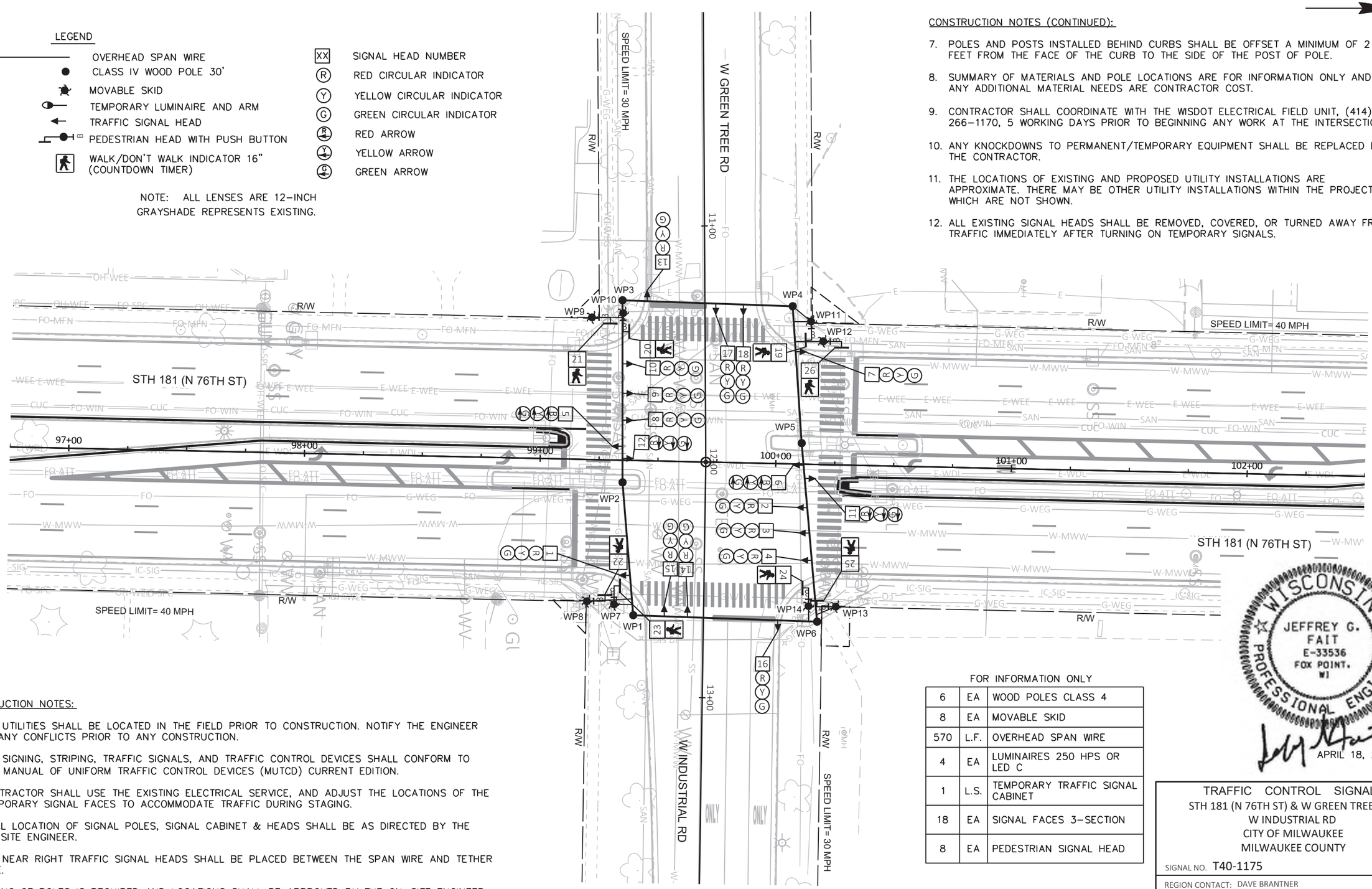
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LAYOUT NAME - S40-1175_rem_pg2

PLOT DATE : 4/18/2025 3:13 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES (CONTINUED):

7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OF POLE.
8. SUMMARY OF MATERIALS AND POLE LOCATIONS ARE FOR INFORMATION ONLY AND ANY ADDITIONAL MATERIAL NEEDS ARE CONTRACTOR COST.
9. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266–1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
10. ANY KNOCKDOWNS TO PERMANENT/TEMPORARY EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
11. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
12. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION.
2. ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
3. CONTRACTOR SHALL USE THE EXISTING ELECTRICAL SERVICE, AND ADJUST THE LOCATIONS OF THE TEMPORARY SIGNAL FACES TO ACCOMMODATE TRAFFIC DURING STAGING.
4. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ON–SITE ENGINEER.
5. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ON–SITE ENGINEER.

FOR INFORMATION ONLY

6	EA	WOOD POLES CLASS 4
8	EA	MOVABLE SKID
570	L.F.	OVERHEAD SPAN WIRE
4	EA	LUMINAIRES 250 HPS OR LED C
1	L.S.	TEMPORARY TRAFFIC SIGNAL CABINET
18	EA	SIGNAL FACES 3–SECTION
8	EA	PEDESTRIAN SIGNAL HEAD

WISCONSIN PROFESSIONAL ENGINEER
JEFFREY G. FAIT
E-33536
FOX POINT, WI
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W GREEN TREE RD/
W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1175

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 1 OF 8

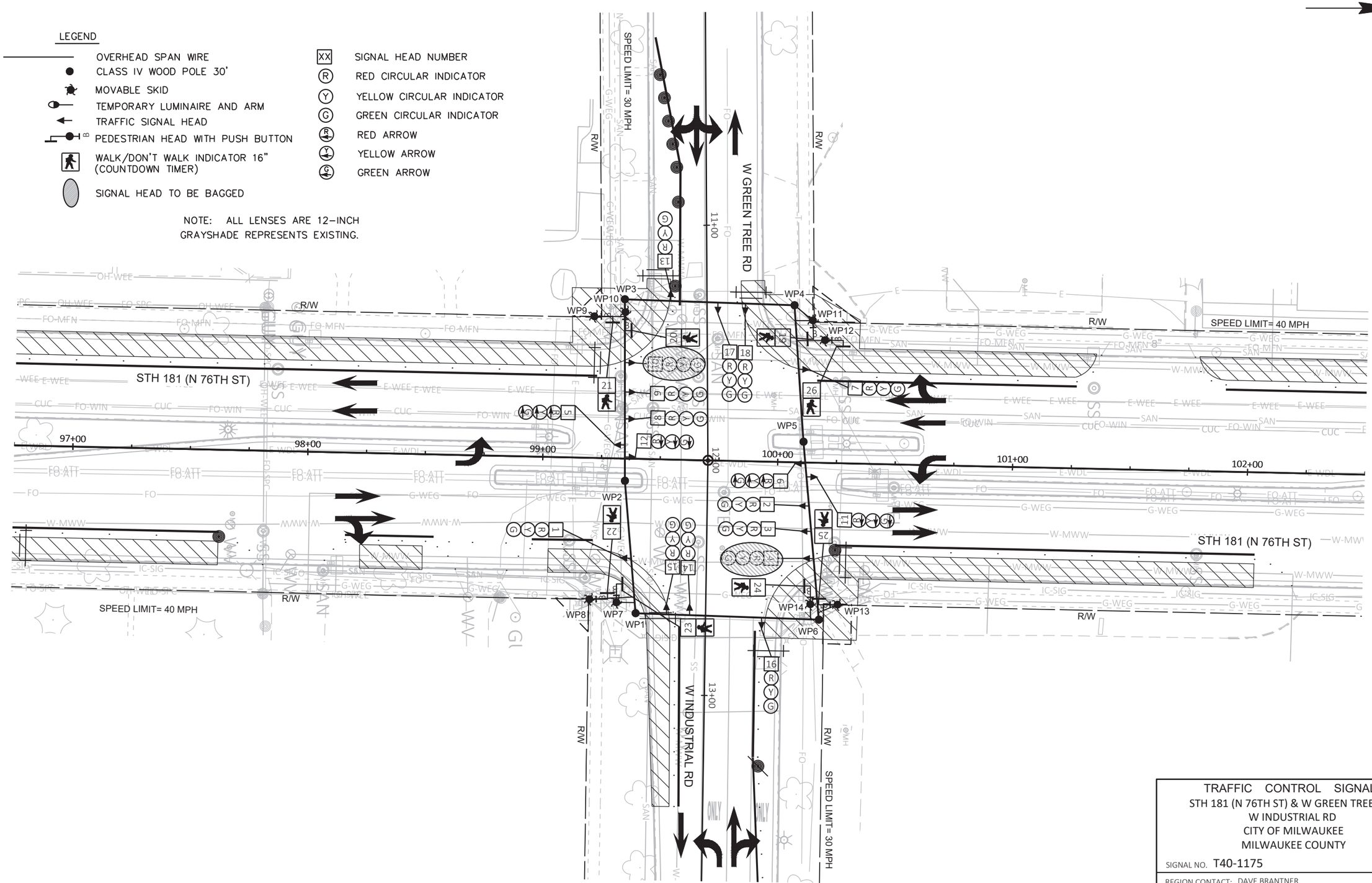
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LAYOUT NAME - T40-1175_pg1
PLOT DATE : 4/18/2025 9:22 AM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W GREEN TREE RD/
W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1175

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 203	E

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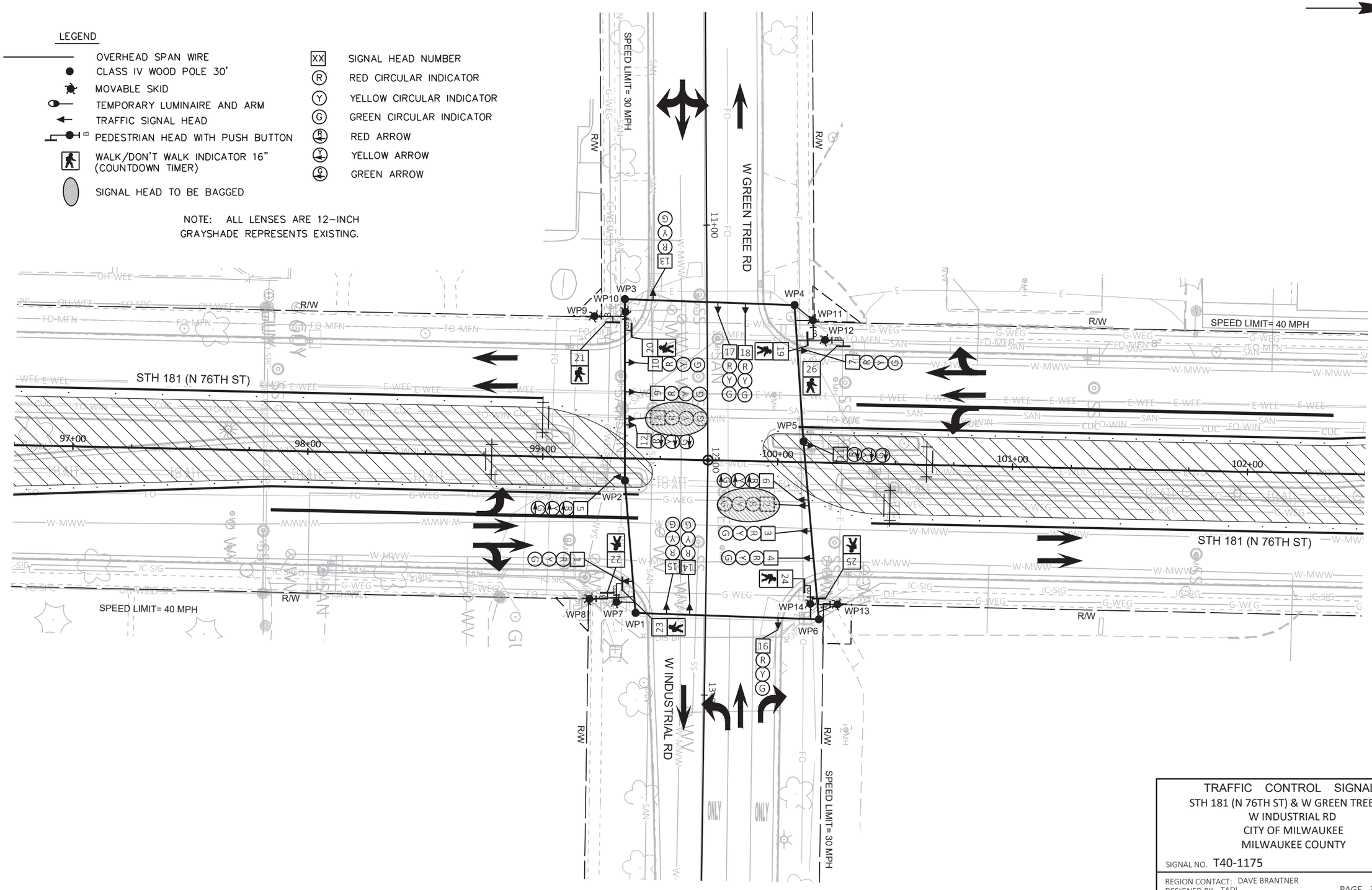
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2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W GREEN TREE RD/
W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1175

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 204	E

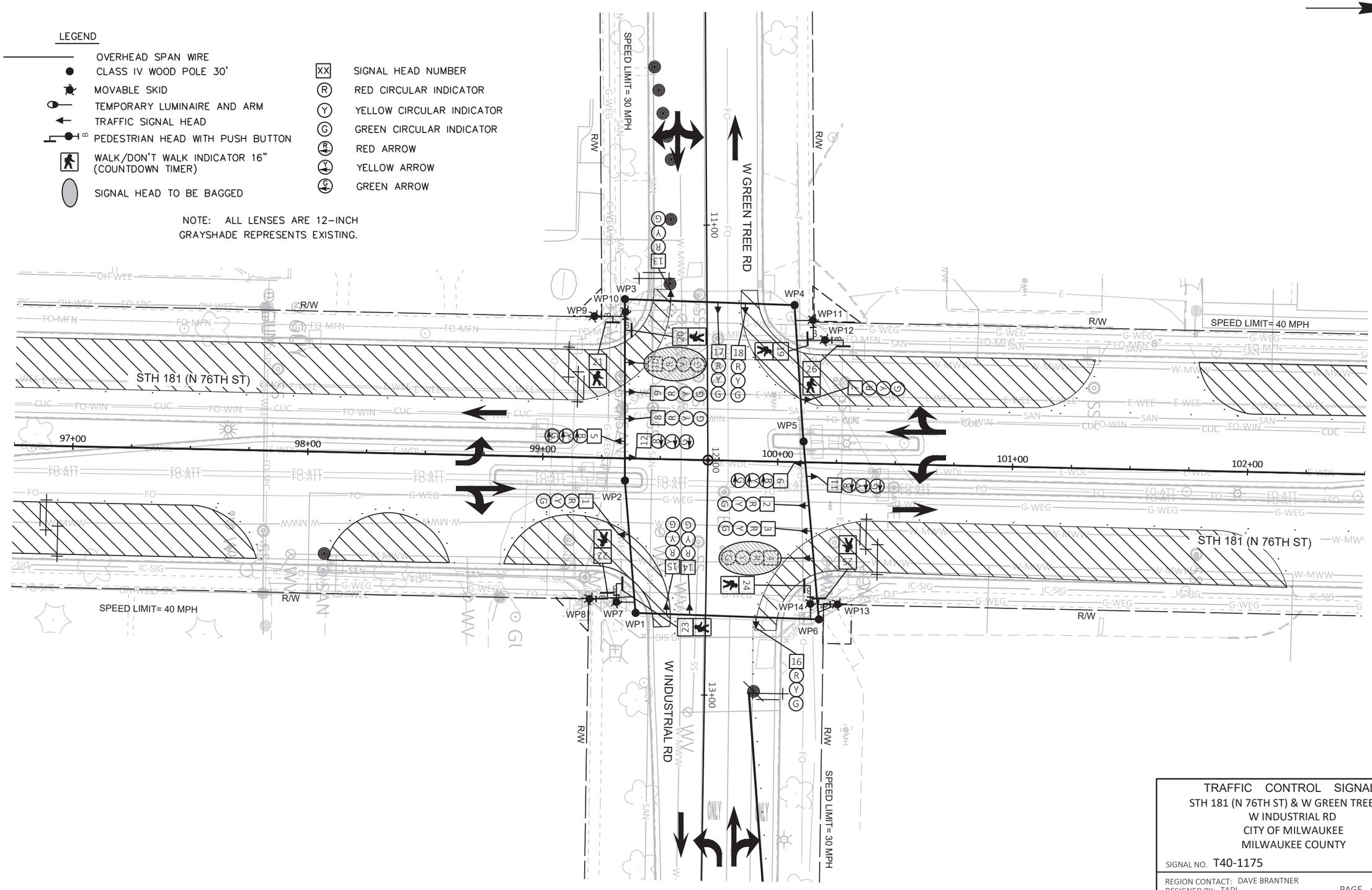
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LAYOUT NAME - T40-1175_pg1

PLOT DATE : 4/18/2025 11:11 AM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W GREEN TREE RD/
W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1175

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 4 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3A	SHEET 205	E

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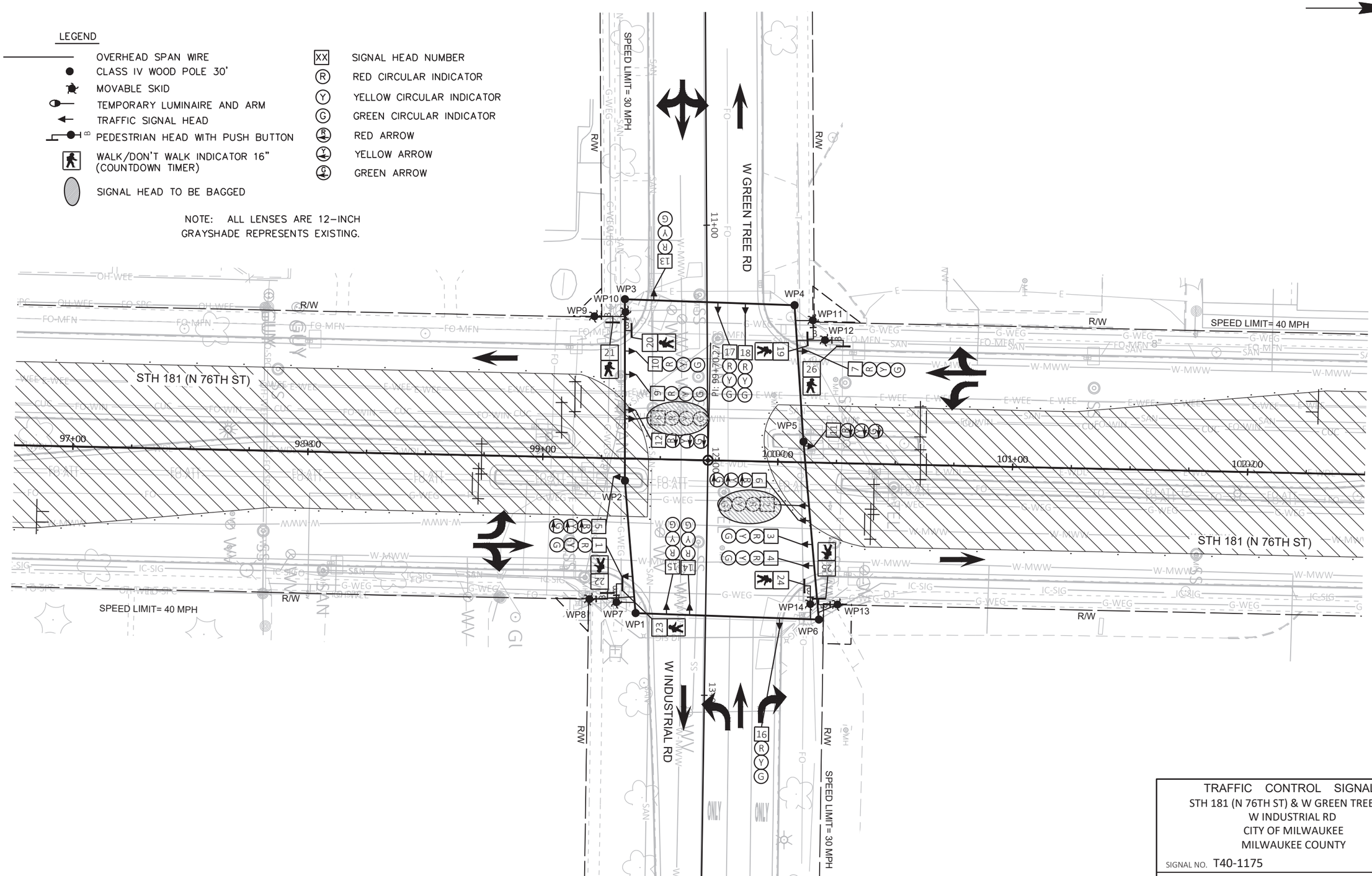
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LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W GREEN TREE RD/
W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1175

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 5 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3B	SHEET 206	E

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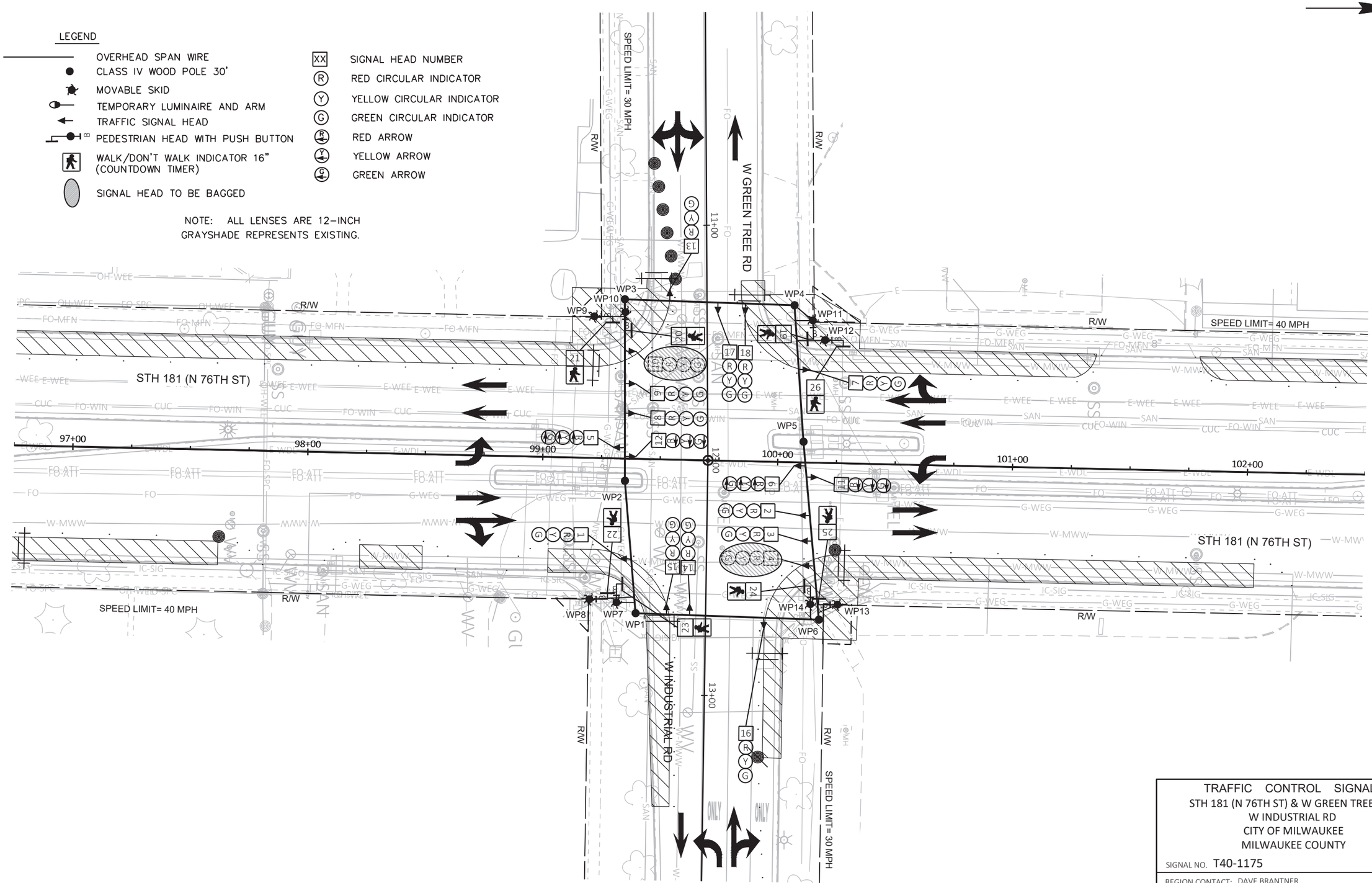
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LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W GREEN TREE RD/
W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1175

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET 207	E

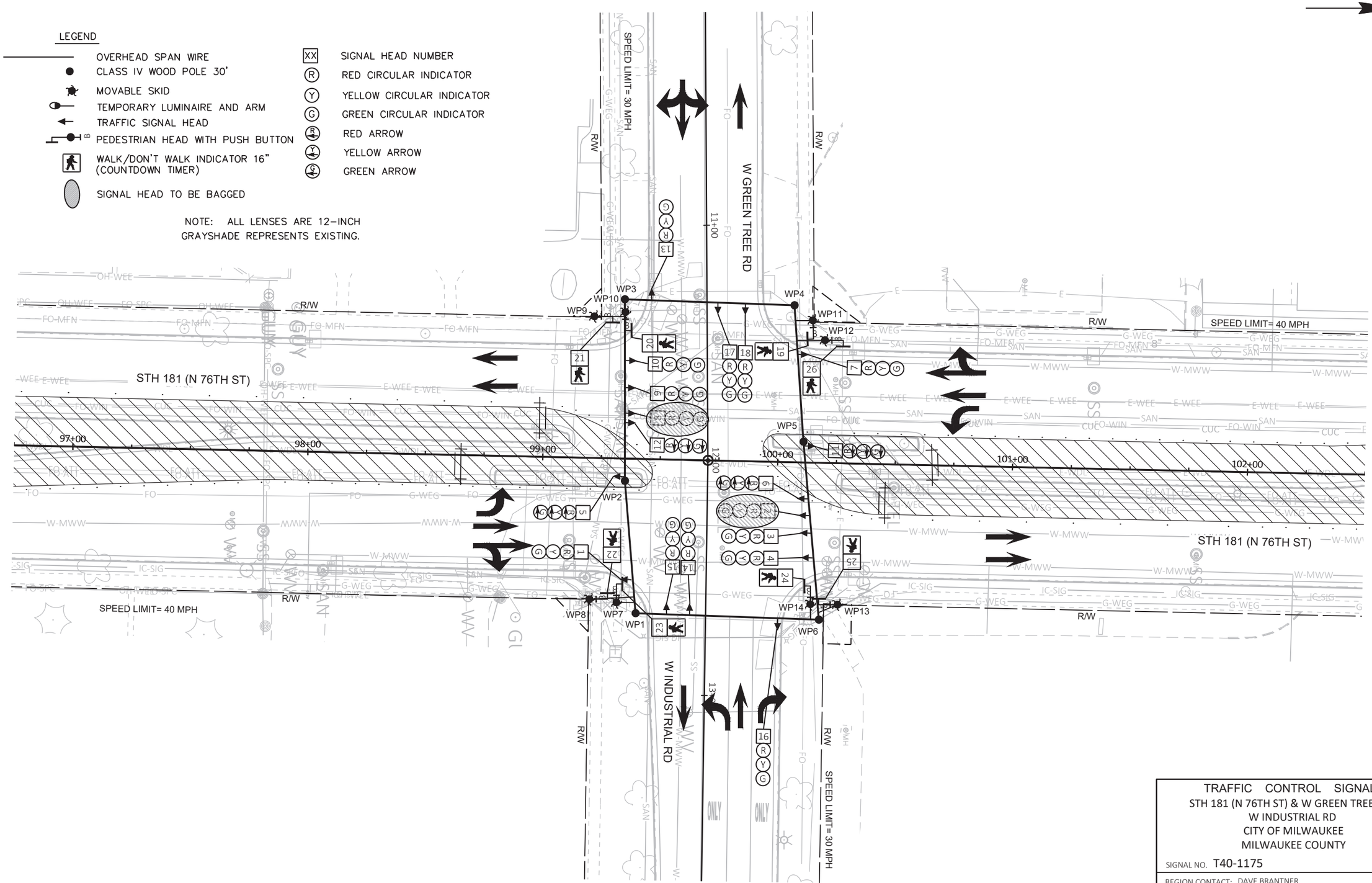
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PLOT DATE : 4/18/2025 9:23 AM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W GREEN TREE RD/
W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1175

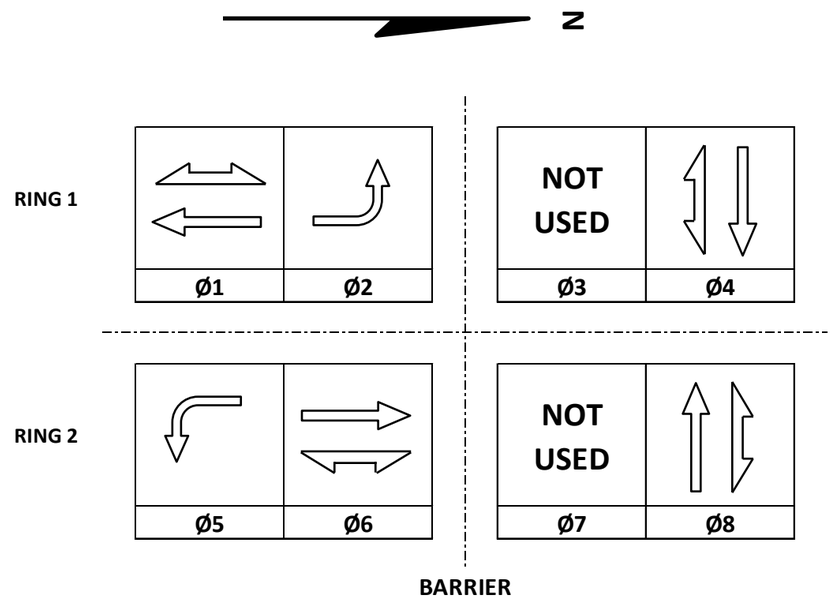
REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 7 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET 208	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\04-GREEN TREE\T40-1175_GREENTREE_TEMP_STAGE_4B.DWG
LAYOUT NAME - T40-1175_pg1
PLOT DATE : 4/18/2025 9:24 AM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	7,8,9,10	R
Ø2	5,6	R ←
Ø3		
Ø4	13,14,15	R
Ø5	11,12	R ←
Ø6	1,2,3,4	R
Ø7		
Ø8	16,17,18	R
Ø1P	19,20	
Ø4P	21,22	
Ø6P	23,24	
Ø8P	25,26	
OLE		
OLF		
OLG		
OLH		



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

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

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

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

CONTROLLER LOGIC

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

GENERAL NOTES:

1. PHASES 2 AND 5 ARE IN CONFLICT AND SHALL NOT RUN CONCURRENTLY.

STH 181 (N 76TH ST) & W GREEN TREE RD/W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: T40-1175 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 3/25 PAGE NUMBER: 8 OF 8

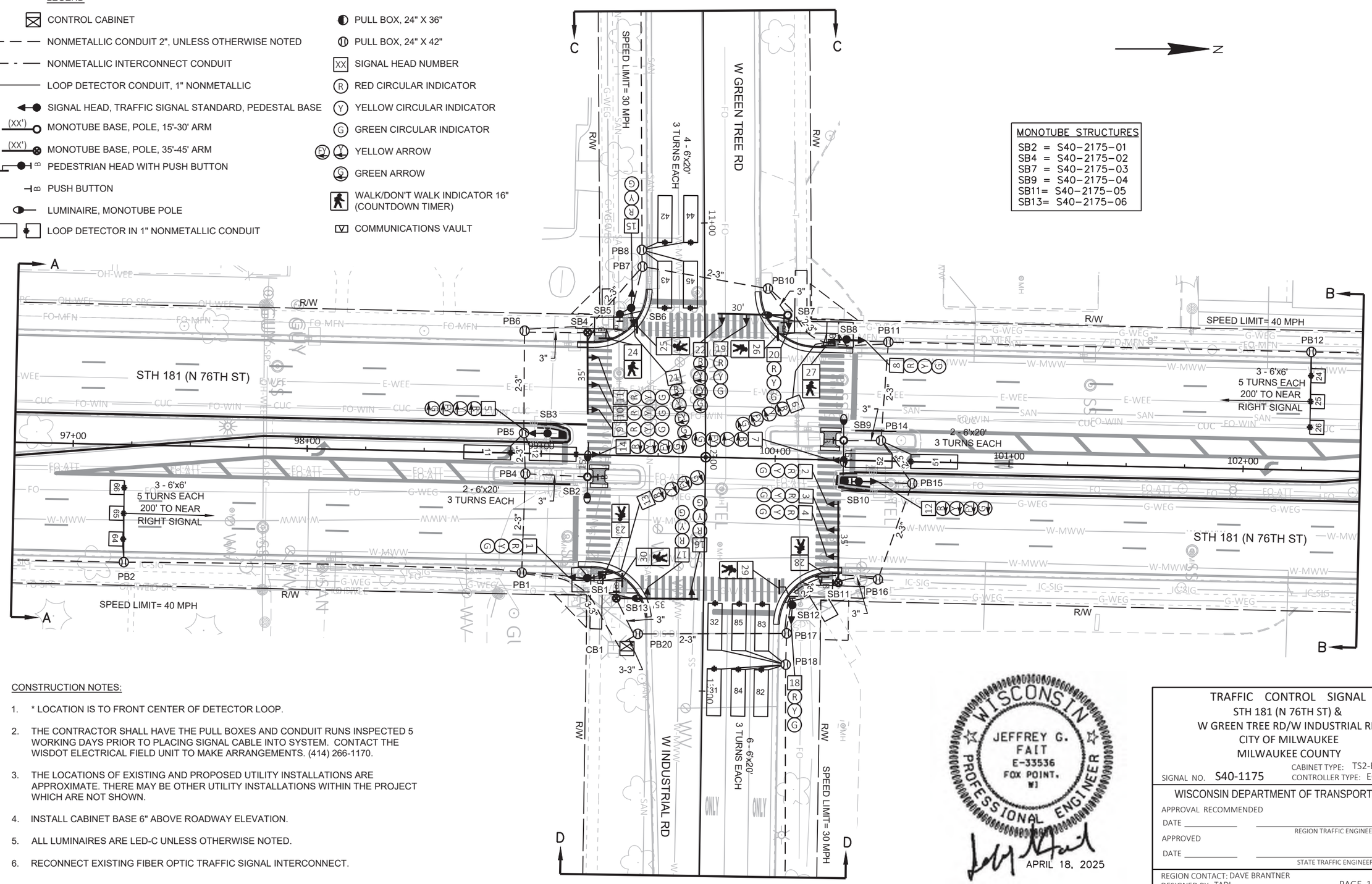
2

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, MONOTUBE POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT

MONOTUBE STRUCTURES
SB2 = S40-2175-01
SB4 = S40-2175-02
SB7 = S40-2175-03
SB9 = S40-2175-04
SB11= S40-2175-05
SB13= S40-2175-06



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. RECONNECT EXISTING FIBER OPTIC TRAFFIC SIGNAL INTERCONNECT.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) &
W GREEN TREE RD/W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1175
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

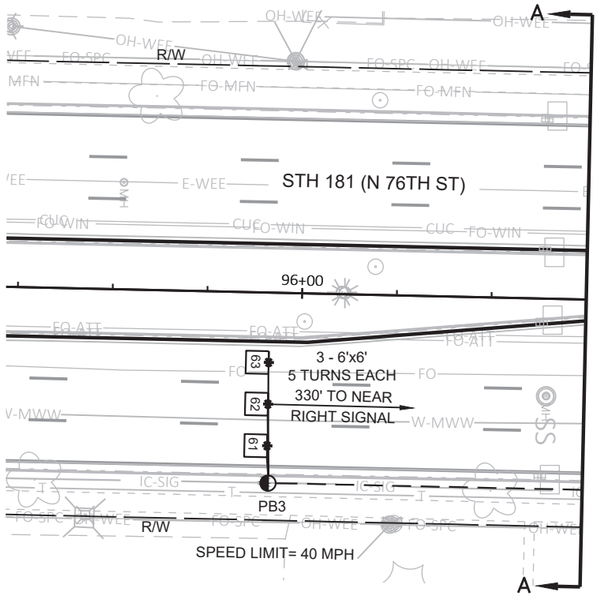
REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

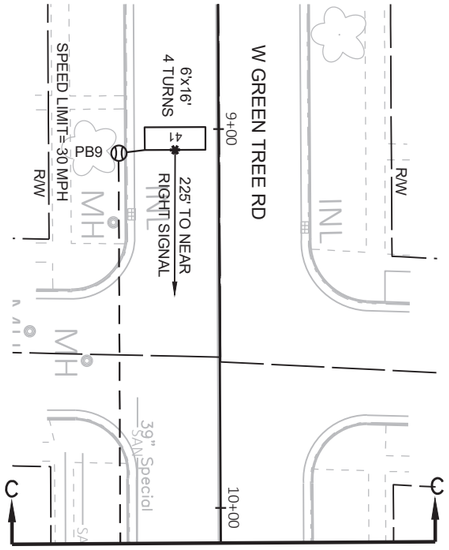
PAGE 1 OF 3

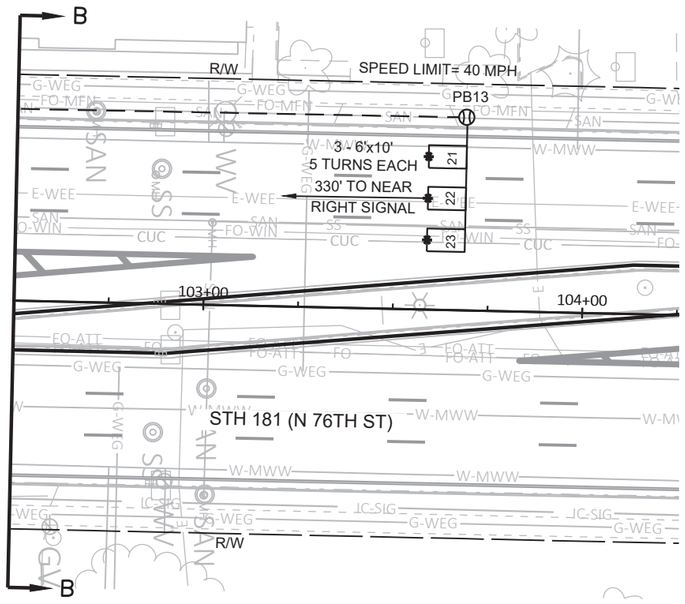
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 210	E

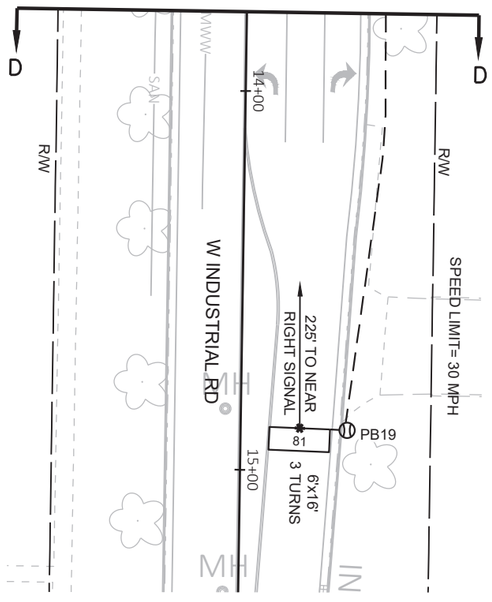
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LAYOUT NAME - S40-1175_pg1
PLOT DATE : 4/18/2025 7:25 PM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42









N

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) &
W GREEN TREE RD/W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1175

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 211	E

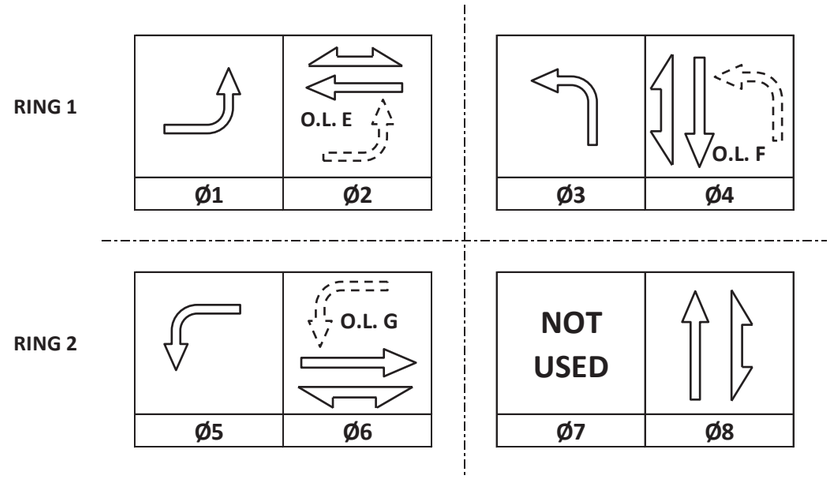
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LAYOUT NAME - S40-1175_pg2

PLOT DATE : 4/18/2025 7:25 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R
Ø2	8,9,10,11	R
Ø3	21,22	R
Ø4	15,16,17	R
Ø5	12,13,14	R
Ø6	1,2,3,4	R
Ø7		
Ø8	18,19,20	R
Ø2P	25,26	
Ø4P	23,24	
Ø6P	29,30	
Ø8P	27,28	
OLE	5,6,7	-
OLF	21,22	-
OLG	12,13,14	-
OLH		

N



CONTROLLER LOGIC

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

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

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	0018

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

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)	11	21	23	25	31	41	43	45	52	62	64	66	82	84			PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	2	4	4	4	4	5	6	6	6	8	8			CALLED PHASE
CALL OPTION	X	X	X	X	X		X	X	X	X	X	X	X	X			CALL OPTION
DELAY TIME							X	X					X				DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X			EXTENTION OPTION
EXTEND TIME						X											EXTEND TIME
USE ADDED INITIAL		X	X	X						X	X	X					USE ADDED INITIAL
CROSS SWITCH PHASE	2								6								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)	12	22	24	26	32	42	44	51	61	63	65	81	83	85			PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	2	4	4	4	5	6	6	6	8	8	8			CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X	X	X	X	X		X	X			CALL OPTION
DELAY TIME					X	X							X				DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X			EXTENTION OPTION
EXTEND TIME												X					EXTEND TIME
USE ADDED INITIAL		X	X	X					X	X	X						USE ADDED INITIAL
CROSS SWITCH PHASE	2							6									CROSS SWITCH PHASE

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

GENERAL NOTES:

1. PHASE 3 IS OMITTED 24/7.

STH 181 (N 76TH ST) & W GREEN TREE RD/W INDUSTRIAL RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: S40-1175 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 5/25 PAGE NUMBER: 3 OF 3

PROJECT ID:	2140-14-70
INTERSECTION:	STH 181 AT W GREEN TREE RD/W INDUSTRIAL RD

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

CB1 TO	JUMPER	# OF COND. AWG 14	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	PED BUTTON 2
				RED	YELLOW	GREEN	<RED	<YELLOW>	<FL YELLOW>	<GREEN>	D/WALK	WALK		
SB1		15	1	RED	ORG	GRN								
			13				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			23								BLK	BLU		
			B										WHT/BLK	
SB2		12	14				RED	ORG	BLK/WHT	GRN				
			B										WHT/BLK	
SB3		12	5				RED	ORG	BLK/WHT	GRN				
SB4		12	9	RED	ORG	GRN								
			10	RED	ORG	GRN								
			11	RED	ORG	GRN								
			24								BLK	BLU		
			B										WHT/BLK	
SB5		7	B										WHT/BLK	
SB6		12	15	RED	ORG	GRN								
			21				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			25								BLK	BLU		
SB7		15	19	RED	ORG	GRN								
			20	RED	ORG	GRN								
			22				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			26								BLK	BLU		
			B										WHT/BLK	
SB8		15	6				RED	ORG	BLK/WHT	GRN				
			8	RED/BLK	ORG/BLK	GRN/BLK								
			27								BLK	BLU		
			B										WHT/BLK	
SB9		12	7				RED	ORG	BLK/WHT	GRN				
			B										WHT/BLK	
SB10		12	12				RED	ORG	BLK/WHT	GRN				
SB11		12	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
			4	RED	ORG	GRN								
			28								BLK	BLU		
			B										WHT/BLK	
SB12		12	18	RED	ORG	GRN								
			29								BLK	BLU		
			B										WHT/BLK	
SB13		12	16	RED	ORG	GRN								
			17	RED	ORG	GRN								
			30								BLK	BLU		
			B										WHT/BLK	

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	SB12
SB12	SB13
SB13	CB1

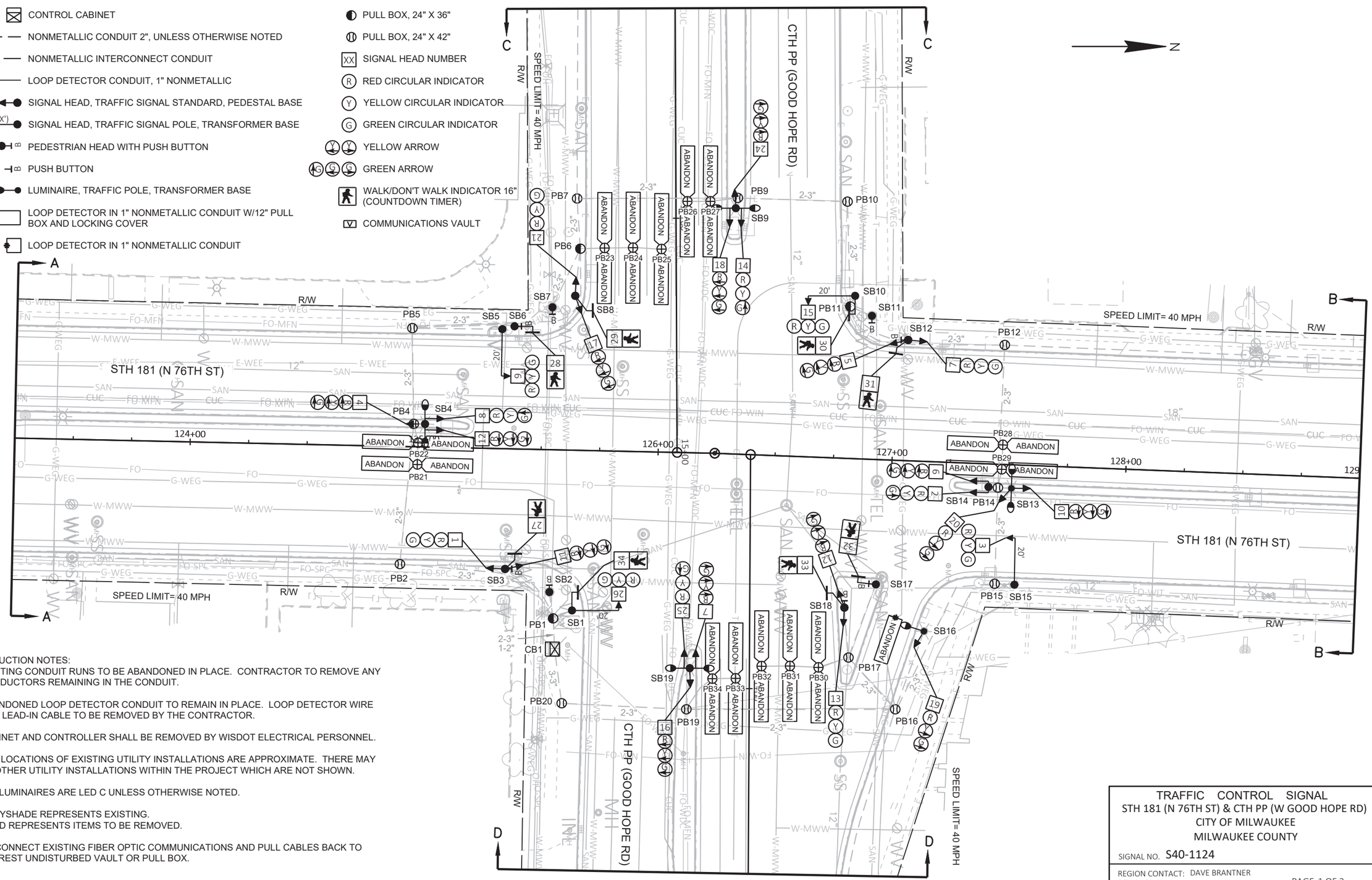
PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
SB1	PB1
SB2	PB4
SB3	PB5
SB4	PB6
SB5	PB7
SB7	PB10
SB8	PB11
SB9	PB14
SB10	PB15
SB11	PB16
SB12	PB17
CB1	PB20

LIGHTING UF 12 AWG W/GROUND	
FROM	TO
CB1	SB2
SB2	SB7
CB1	SB13
SB13	SB9

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

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT W/12" PULL BOX AND LOCKING COVER
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT



CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED C UNLESS OTHERWISE NOTED.
6. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.
7. DISCONNECT EXISTING FIBER OPTIC COMMUNICATIONS AND PULL CABLES BACK TO NEAREST UNDISTURBED VAULT OR PULL BOX.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH PP (W GOOD HOPE RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1124

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

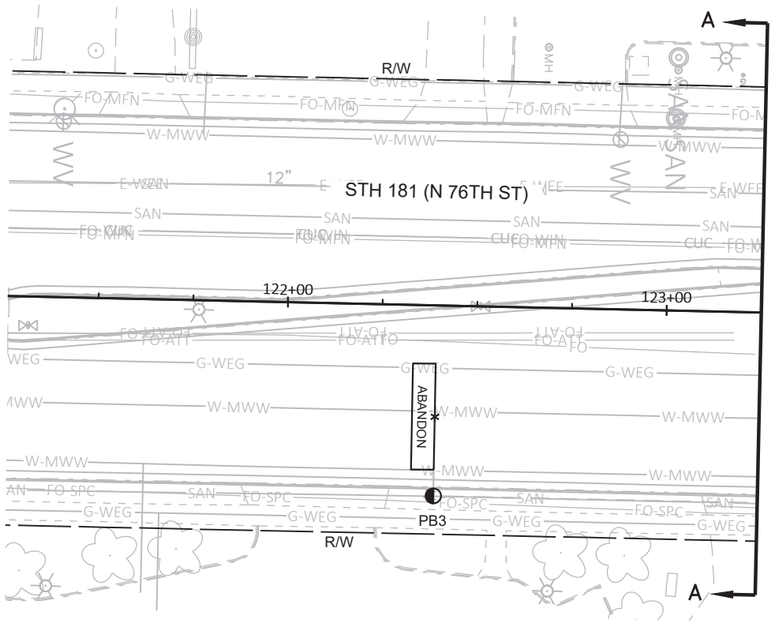
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 214	E

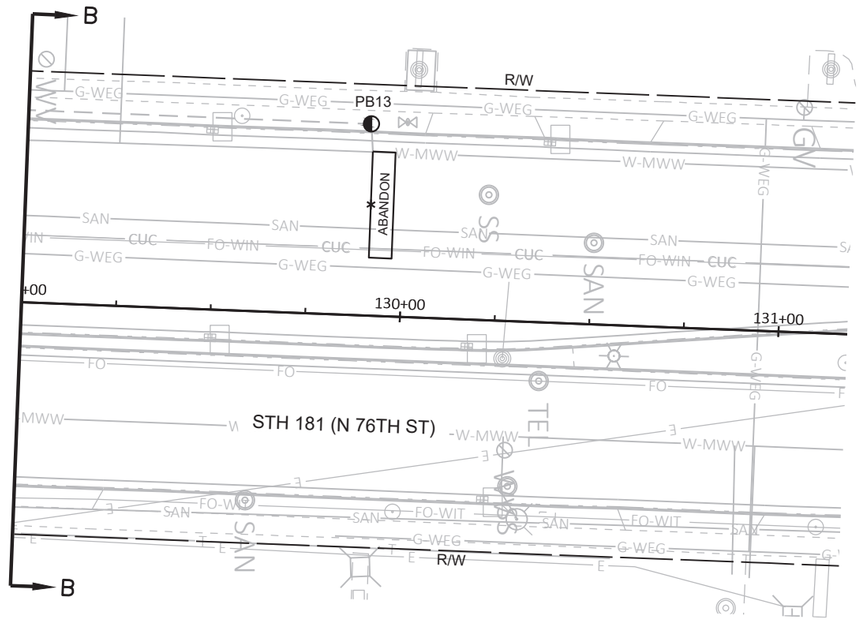
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LAYOUT NAME - S40-1124_rem_pg1

PLOT DATE : 4/18/2025 3:05 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

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TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W GOOD HOPE RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1124

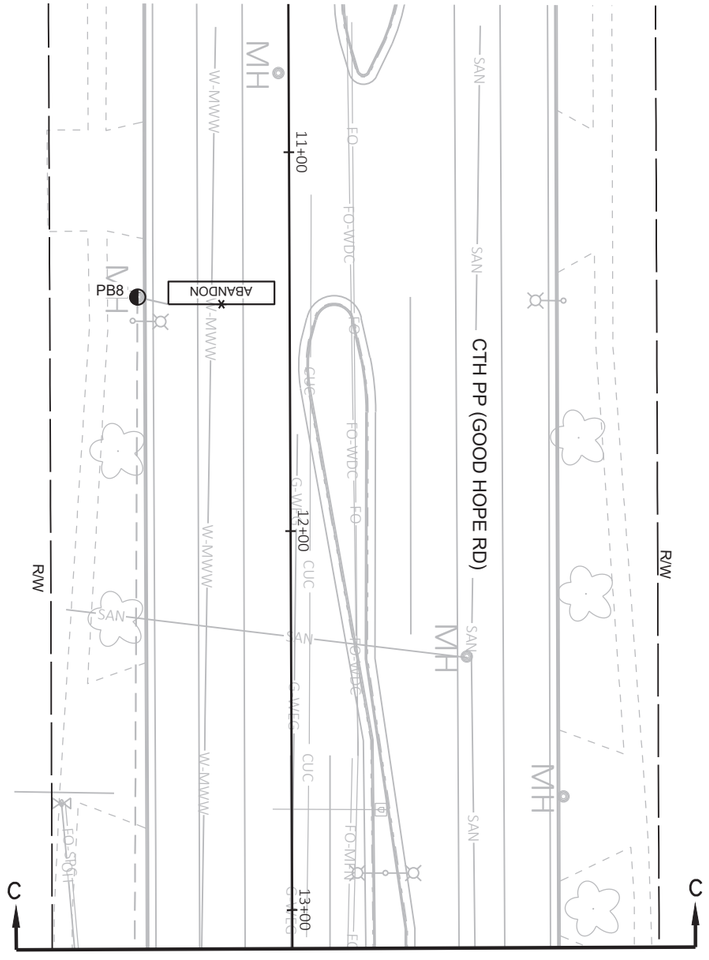
REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

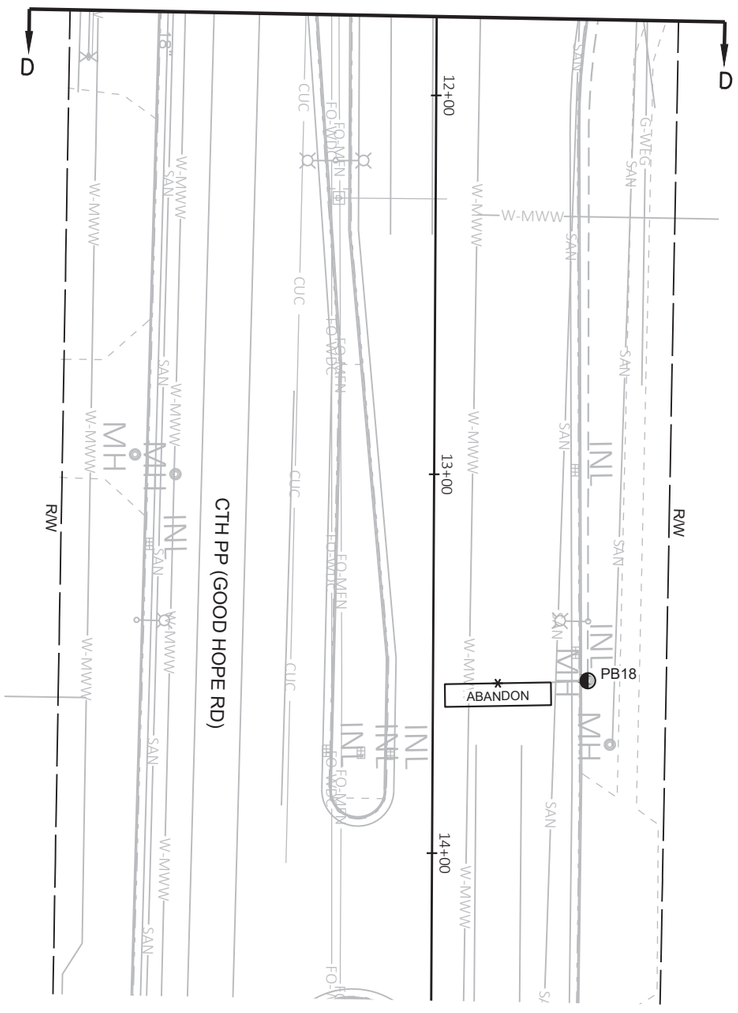
PAGE 2 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 215	E

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LAYOUT NAME - S40-1124_rem_pg2

PLOT DATE : 4/18/2025 3:06 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########





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TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W GOOD HOPE RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1124

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 3 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 216	E

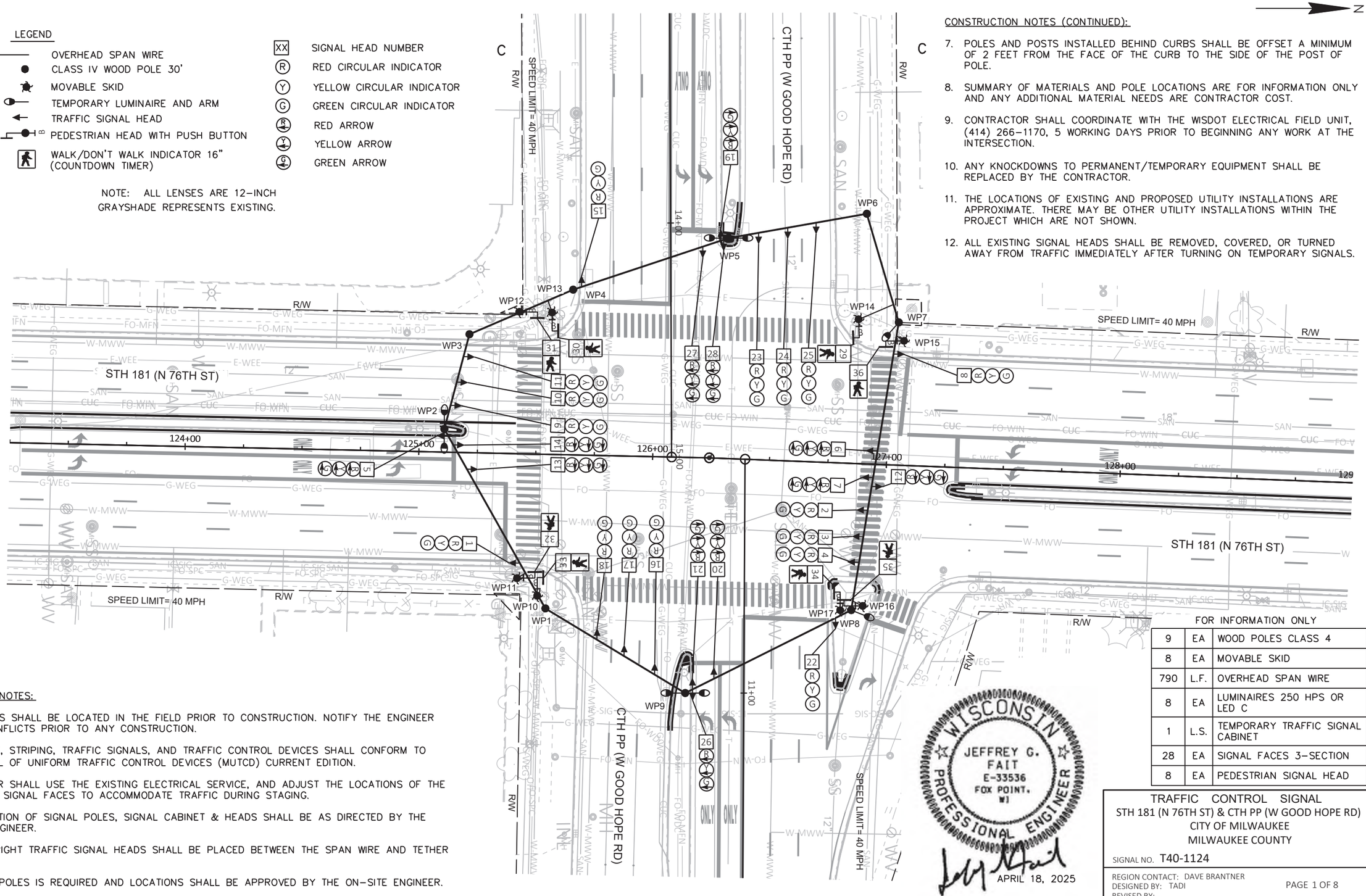
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LAYOUT NAME - S40-1124_rem_pg3

PLOT DATE : 4/18/2025 3:06 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES (CONTINUED):

7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OF POLE.
8. SUMMARY OF MATERIALS AND POLE LOCATIONS ARE FOR INFORMATION ONLY AND ANY ADDITIONAL MATERIAL NEEDS ARE CONTRACTOR COST.
9. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266–1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
10. ANY KNOCKDOWNS TO PERMANENT/TEMPORARY EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
11. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
12. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION.
2. ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
3. CONTRACTOR SHALL USE THE EXISTING ELECTRICAL SERVICE, AND ADJUST THE LOCATIONS OF THE TEMPORARY SIGNAL FACES TO ACCOMMODATE TRAFFIC DURING STAGING.
4. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ON–SITE ENGINEER.
5. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ON–SITE ENGINEER.

FOR INFORMATION ONLY

9	EA	WOOD POLES CLASS 4
8	EA	MOVABLE SKID
790	L.F.	OVERHEAD SPAN WIRE
8	EA	LUMINAIRES 250 HPS OR LED C
1	L.S.	TEMPORARY TRAFFIC SIGNAL CABINET
28	EA	SIGNAL FACES 3–SECTION
8	EA	PEDESTRIAN SIGNAL HEAD

WISCONSIN PROFESSIONAL ENGINEER
JEFFREY G. FAIT
E-33536
FOX POINT, WI

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH PP (W GOOD HOPE RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1124

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 1 OF 8

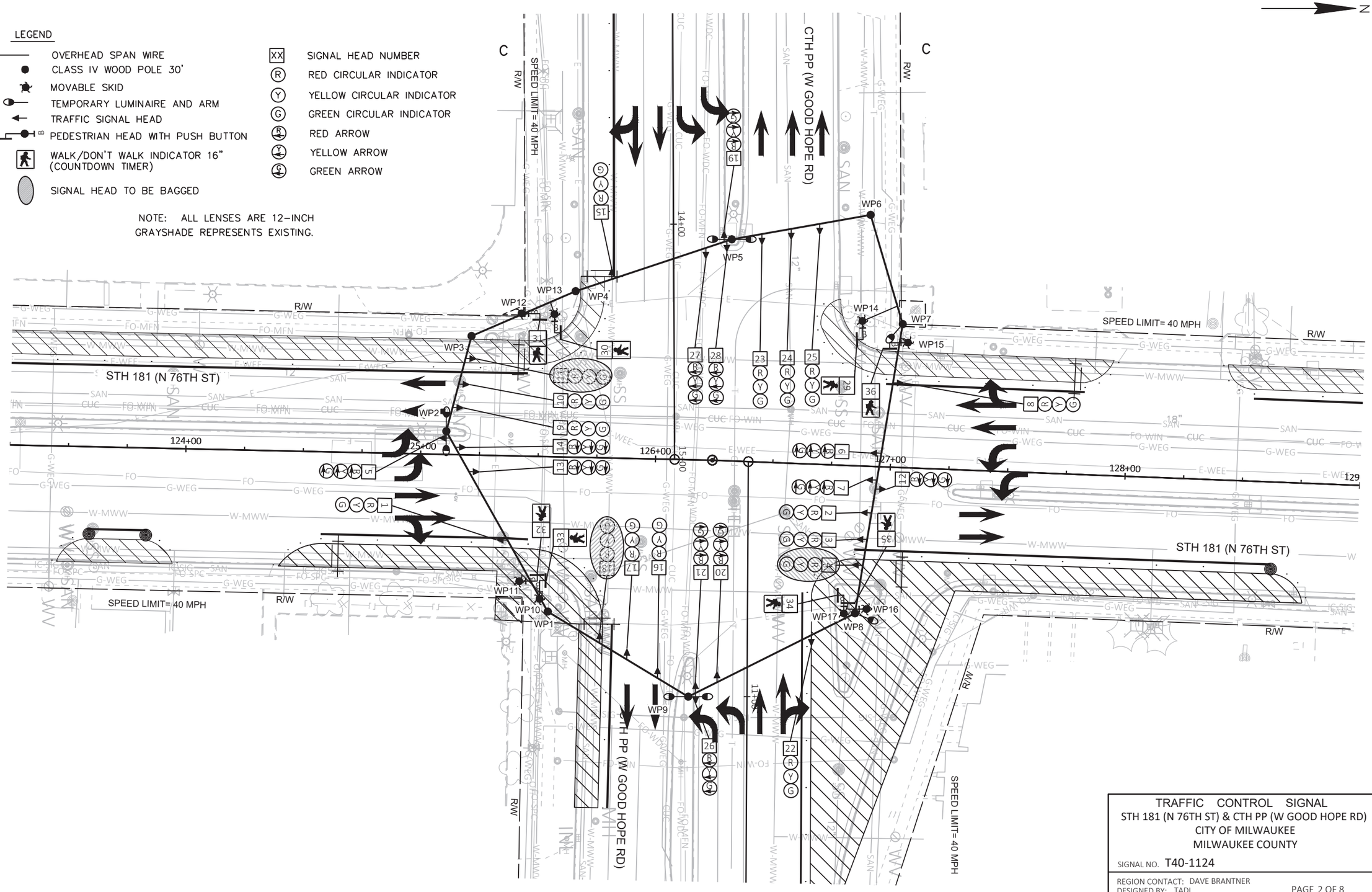
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-STAGE	SHEET 217	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\05-GOOD HOPE\T40-1124_GOODHOPE_TEMP_PRESTAGE.DWG
LAYOUT NAME - T40-1124_pg1
PLOT DATE : 4/18/2025 9:39 AM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH PP (W GOOD HOPE RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1124

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 218	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\05-GOOD HOPE\T40-1124_GOODHOPE_TEMP_STAGE_1.DWG
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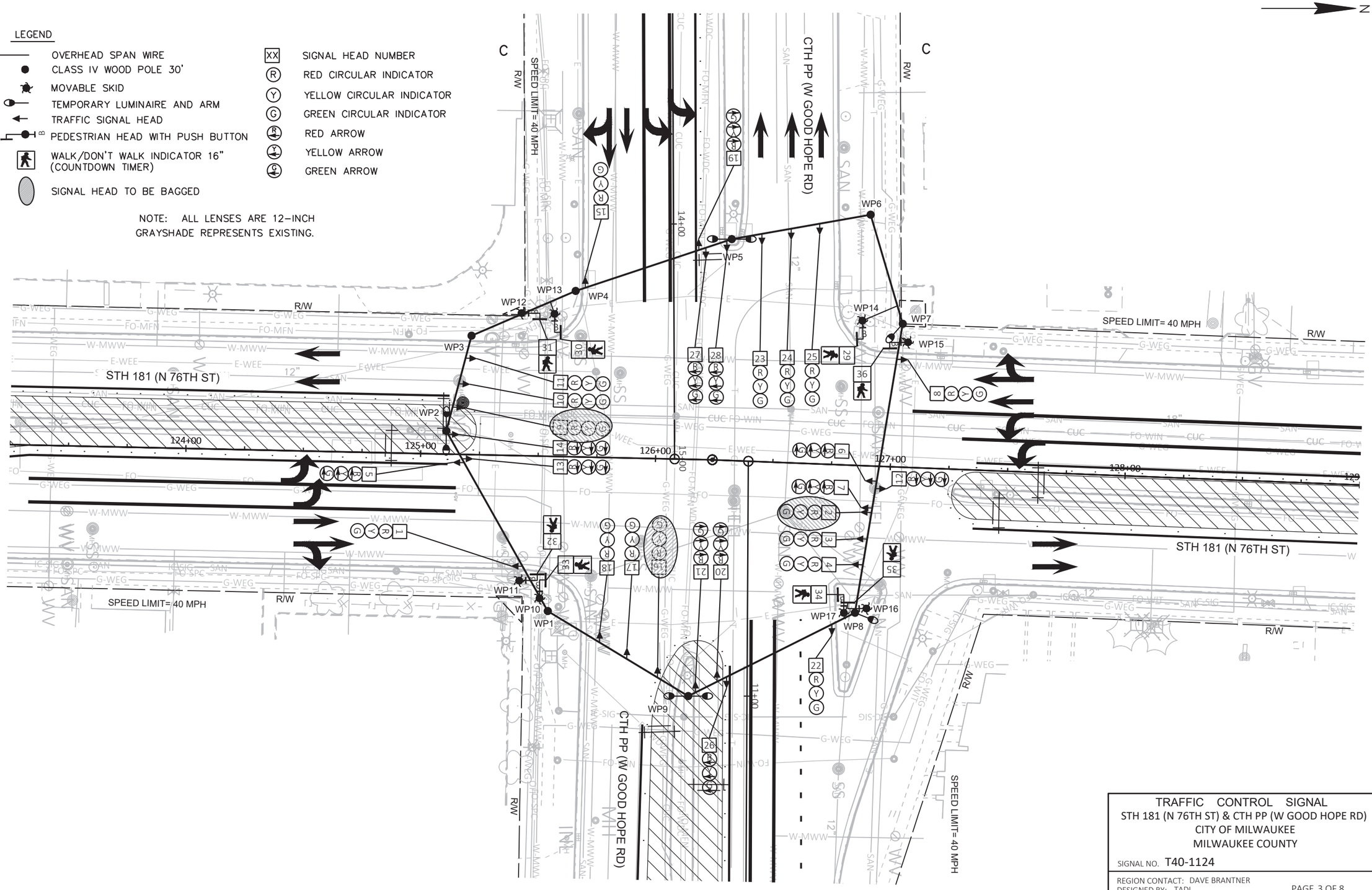
PLOT DATE : 4/18/2025 9:39 AM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH PP (W GOOD HOPE RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1124

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 3 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 219	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\05-GOOD HOPE\T40-1124_GOODHOPE_TEMP_STAGE_2.DWG
LAYOUT NAME - T40-1124_pg1

PLOT DATE : 4/18/2025 9:39 AM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.

N

STH 181 (N 76TH ST)

CTH PP (W GOOD HOPE RD)

SPEED LIMIT= 40 MPH

R/W

WP1 WP2 WP3 WP4 WP5 WP6 WP7 WP8 WP9 WP10 WP11 WP12 WP13 WP14 WP15 WP16 WP17

124+00 125+00 126+00 127+00 128+00 129

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH PP (W GOOD HOPE RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1124

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 4 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3A	SHEET 220	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\05-GOOD HOPE\T40-1124_GOODHOPE_TEMP_STAGE_3A.DWG
LAYOUT NAME - T40-1124_pg1

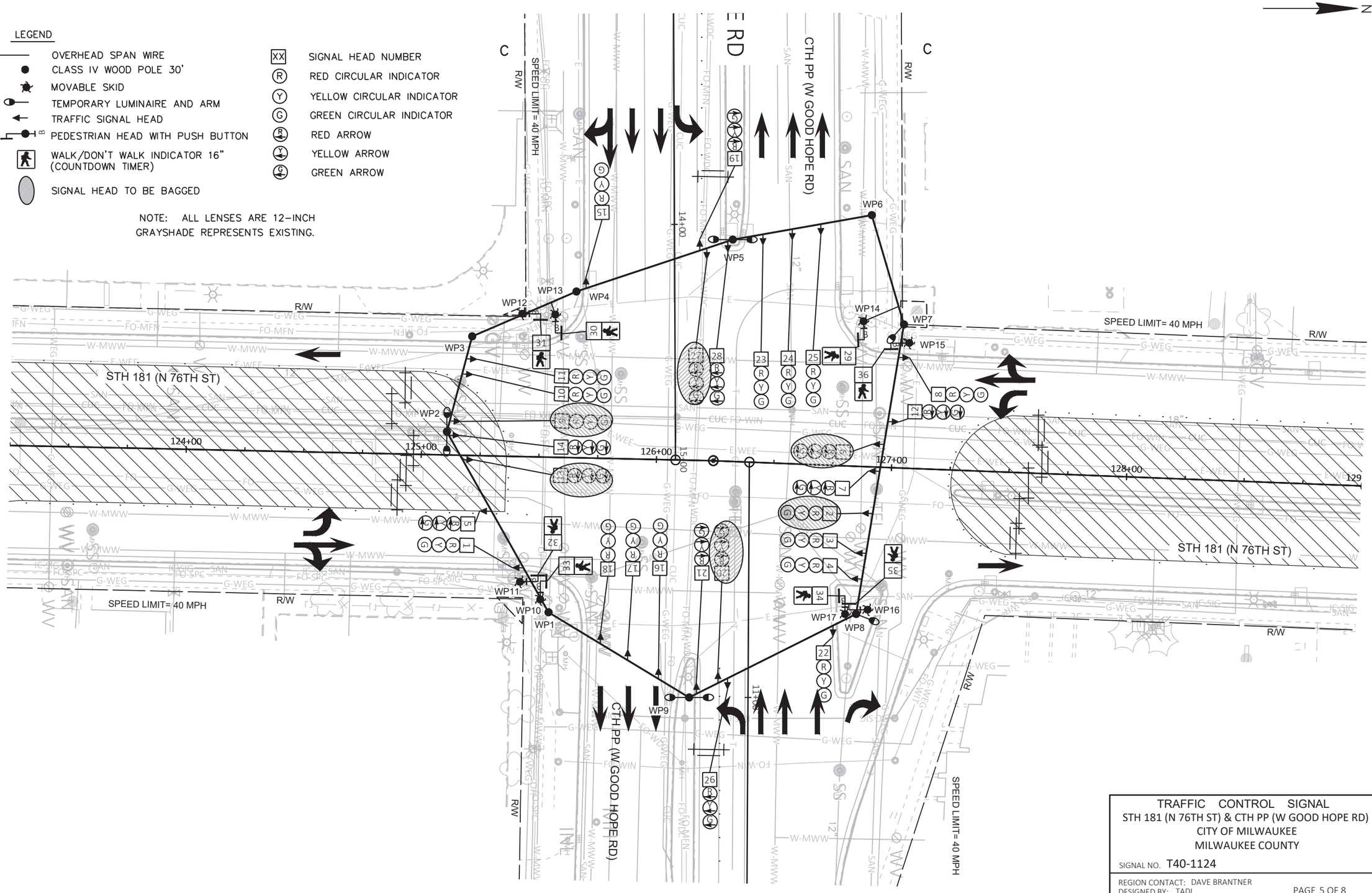
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WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH PP (W GOOD HOPE RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1124

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 5 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3B	SHEET 221	E

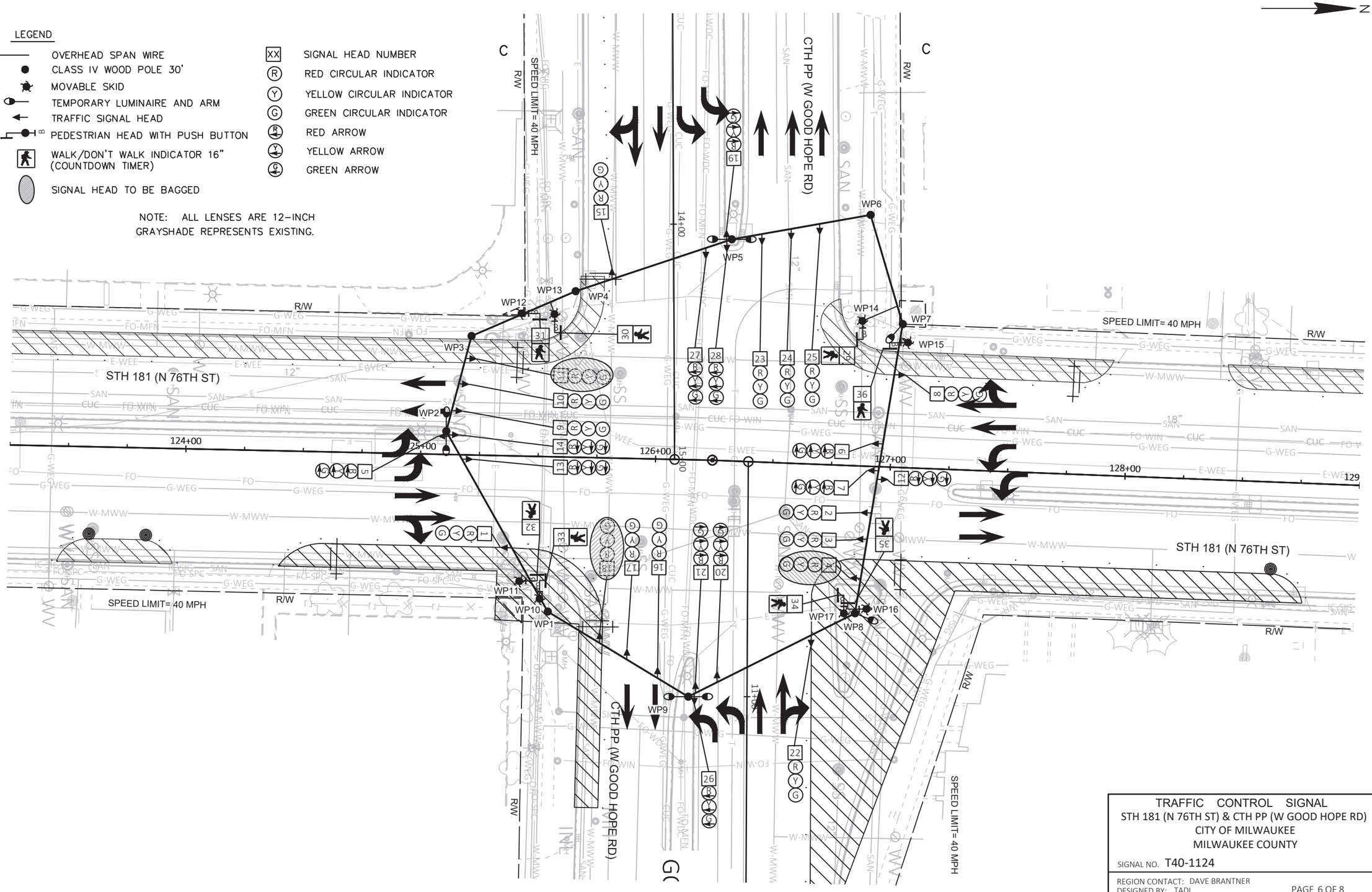
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LAYOUT NAME - T40-1124_pg1
PLOT DATE : 4/18/2025 9:40 AM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH PP (W GOOD HOPE RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1124

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET 222	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\05-GOOD HOPE\T40-1124_GOODHOPE_TEMP_STAGE_4A.DWG
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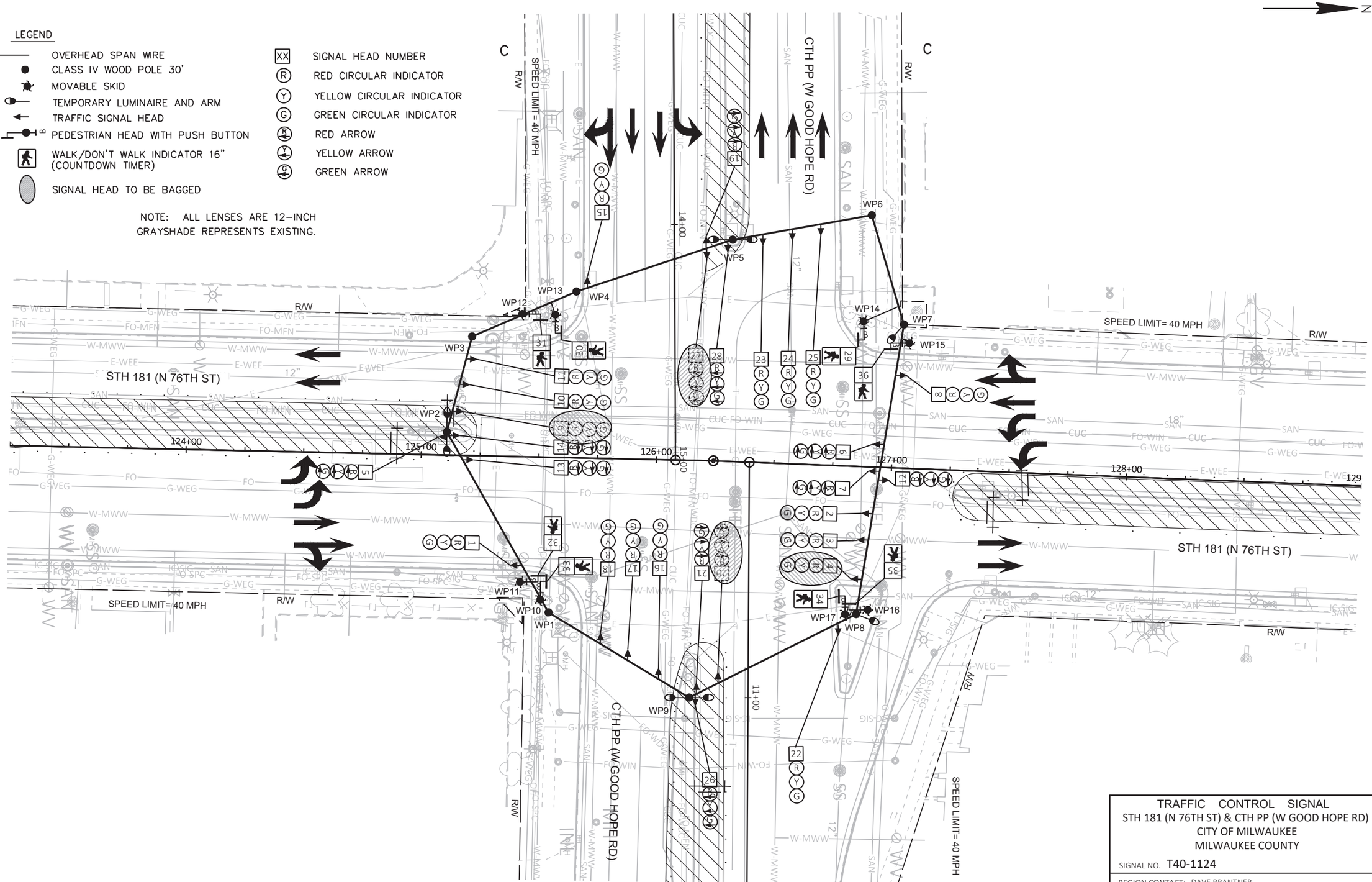
PLOT DATE : 4/18/2025 9:40 AM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH PP (W GOOD HOPE RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1124

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 7 OF 8

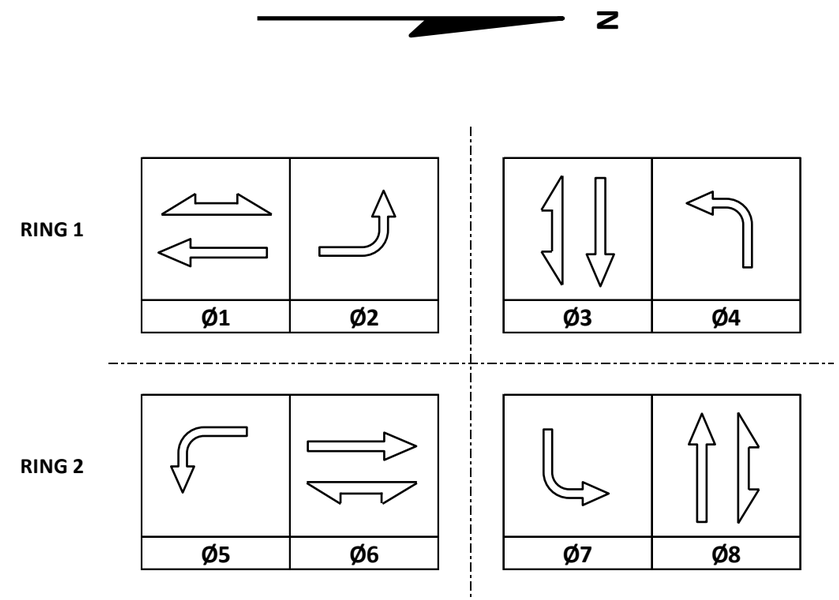
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET 223	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\05-GOOD HOPE\T40-1124_GOODHOPE_TEMP_STAGE_4B.DWG
LAYOUT NAME - T40-1124_pg1

PLOT DATE : 4/18/2025 9:40 AM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	8,9,10,11	R
Ø2	8,9,10,11	R ←
Ø3	15,16,17,18	R
Ø4	26,27,28	R ←
Ø5	12,13,14	R ←
Ø6	1,2,3,4	R
Ø7	19,20,21	R ←
Ø8	22,23,24,25	R
Ø1P	29,30	
Ø3P	31,32	
Ø6P	33,34	
Ø8P	35,36	
OLC		
OLF		
OLG		
OLH		



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

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

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

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

CONTROLLER LOGIC

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

GENERAL NOTES:

1. PHASES 2 AND 5 ARE IN CONFLICT AND SHALL NOT RUN CONCURRENTLY.

2. PHASES 4 AND 7 ARE IN CONFLICT AND SHALL NOT RUN CONCURRENTLY.

STH 181 (N 76TH ST) & GOOD HOPE RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

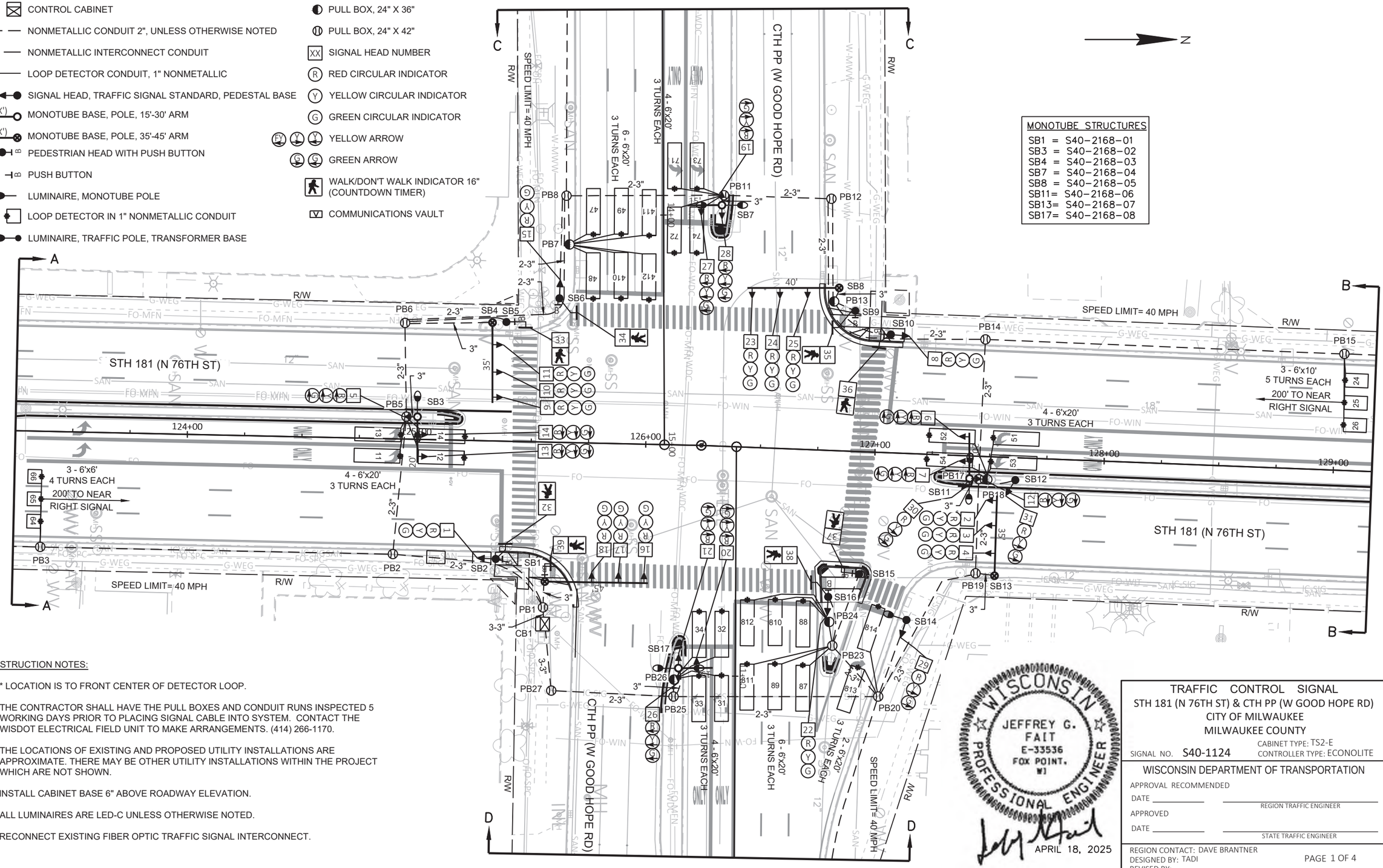
SIGNAL NO:	T40-1124	CABINET TYPE:	TEMP
		CONTROLLER TYPE:	TEMP
DATE:	3/25	PAGE NUMBER:	8 OF 8

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, MONOTUBE POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT

MONOTUBE STRUCTURES

SB1 = S40-2168-01
SB3 = S40-2168-02
SB4 = S40-2168-03
SB7 = S40-2168-04
SB8 = S40-2168-05
SB11= S40-2168-06
SB13= S40-2168-07
SB17= S40-2168-08



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. RECONNECT EXISTING FIBER OPTIC TRAFFIC SIGNAL INTERCONNECT.

WISCONSIN PROFESSIONAL ENGINEER
JEFFREY G. FAIT
E-33536
FOX POINT, WI
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH PP (W GOOD HOPE RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY
SIGNAL NO. S40-1124
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

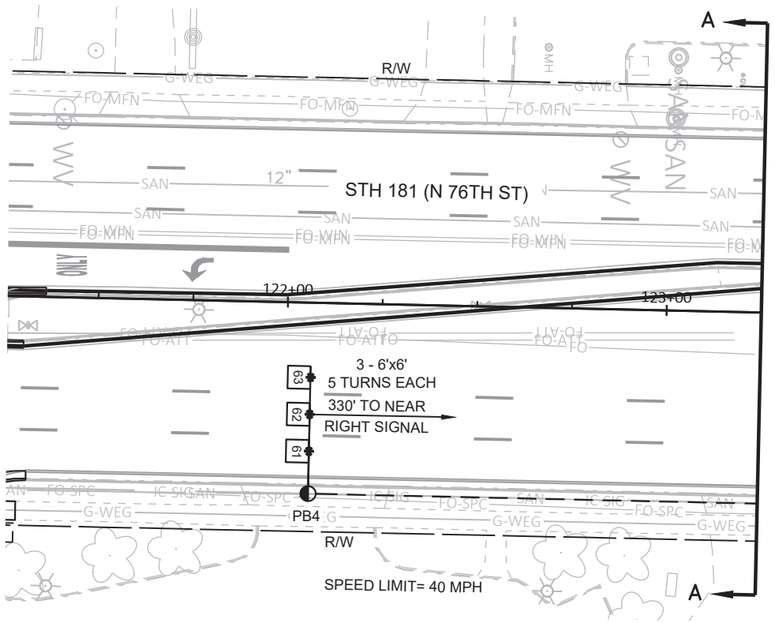
REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:
PAGE 1 OF 4

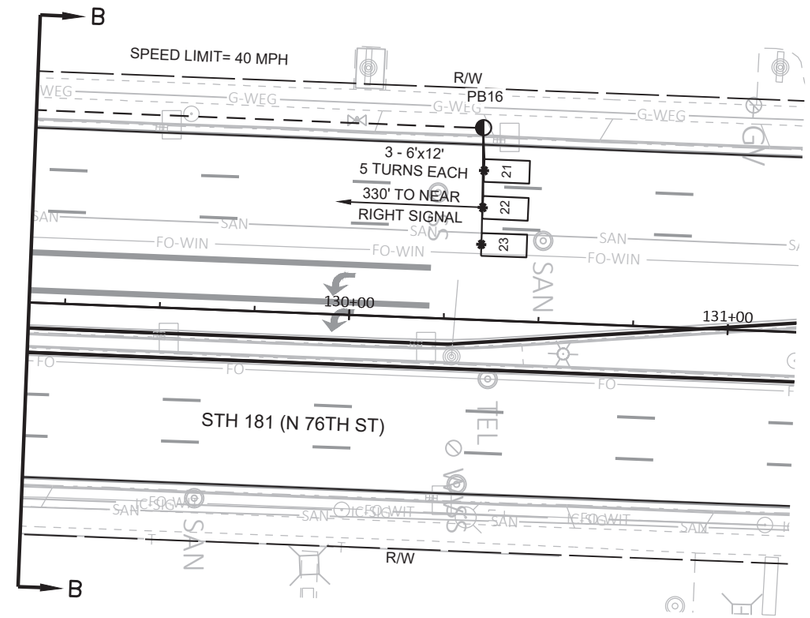
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 225	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1124_GOODHOPE_2140-14-70.DWG
LAYOUT NAME - S40-1124_pg1
PLOT DATE : 4/18/2025 7:17 PM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH PP (W GOOD HOPE RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1124

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 4

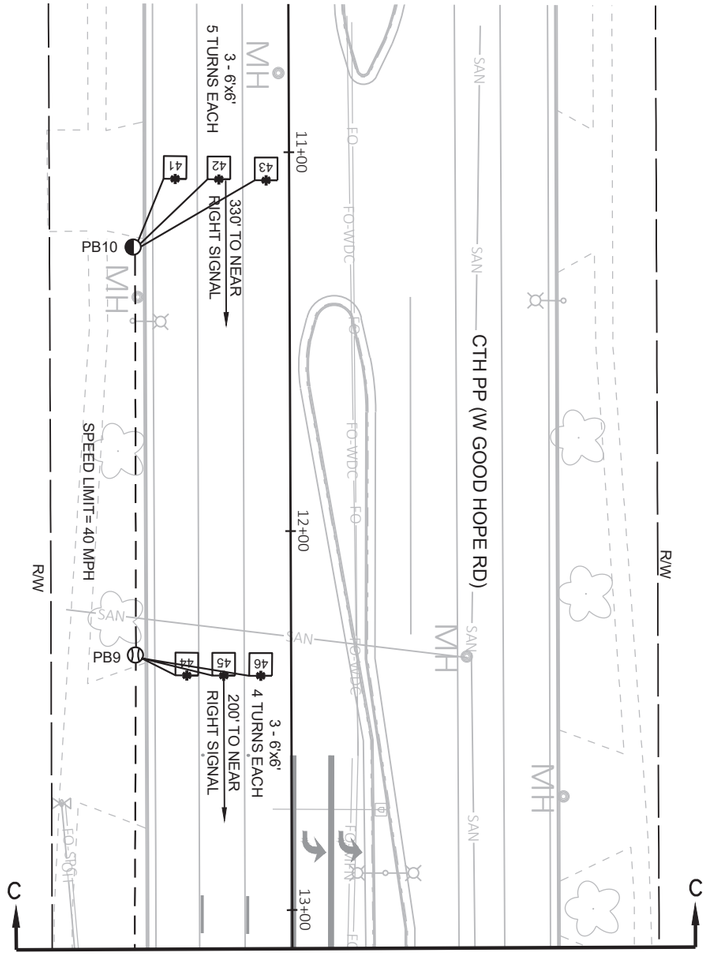
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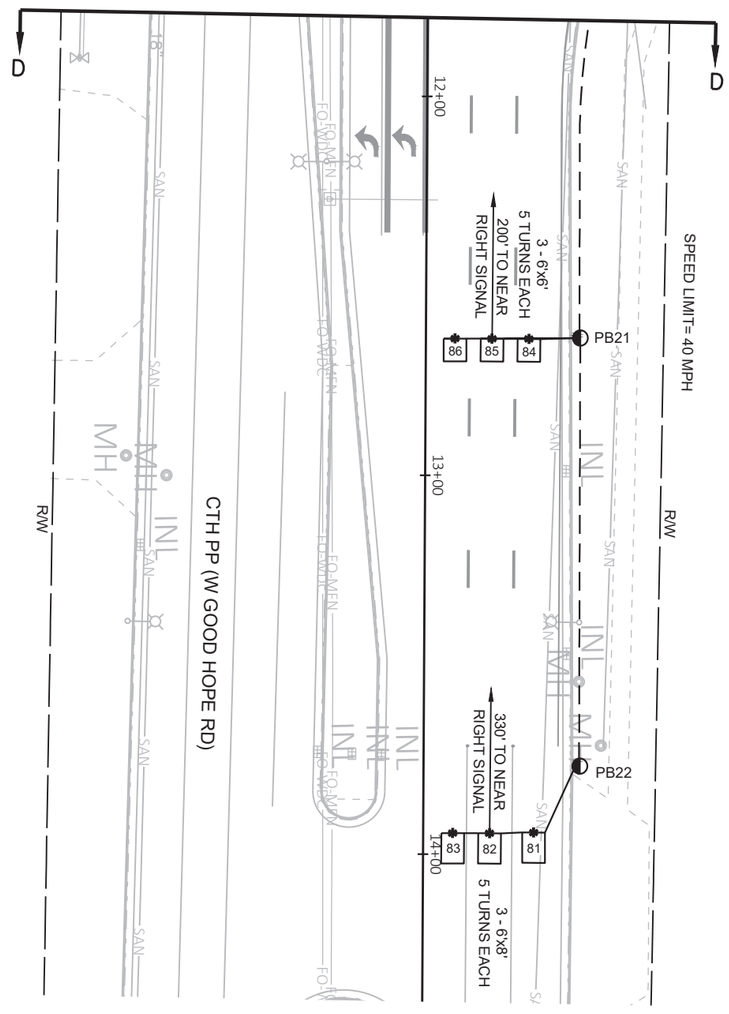
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LAYOUT NAME - S40-1124_pg2

PLOT DATE : 4/18/2025 7:18 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

2

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TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CTH PP (W GOOD HOPE RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1124

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 227	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1124_GOODHOPE_2140-14-70.DWG
LAYOUT NAME - S40-1124_pg3

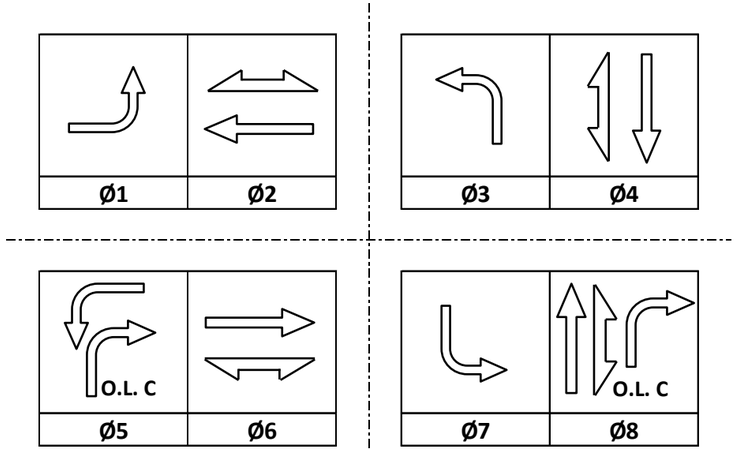
PLOT DATE : 4/18/2025 7:18 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R
Ø2	8,9,10,11	R
Ø3	26,27,28	R
Ø4	15,16,17,18	R
Ø5	12,13,14	R
Ø6	1,2,3,4	R
Ø7	19,20,21	R
Ø8	22,23,24,25	R
Ø2P	34,35	
Ø4P	32,33	
Ø6P	38,39	
Ø8P	36,37	
OLC	29,30,31	R
OLF		
OLG		
OLH		

N

RING 1

RING 2



BARRIER

CONTROLLER LOGIC

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

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

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	0018

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11,12	21,22	24	26	32	34	43	45
CALLED PHASE	1	2	2	2	3	3	4	4
CALL OPTION	X	X	X	X	X	X		
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME							X	X
USE ADDED INITIAL		X	X	X				
CROSS SWITCH PHASE								

DETECTOR INPUT	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	47	49	411	51	53	61,62	64,65	71
CALLED PHASE	4	4	4	5	5	6	6	7
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME	X							
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL						X	X	
CROSS SWITCH PHASE								

DETECTOR INPUT	35	33	39	37	43	41	47	45
PLAN LOOP DETECTOR*(S)	73	81,82	84,85	87	89	811	813	
CALLED PHASE	7	8	8	8	8	8	8	
CALL OPTION	X			X	X	X	X	
DELAY TIME							X	
EXTENTION OPTION	X	X	X	X	X	X	X	
EXTEND TIME		X	X					
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	13,14	23	25	31	33	41,42	44	46
CALLED PHASE	1	2	2	3	3	4	4	4
CALL OPTION	X	X	X	X	X			
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME						X	X	X
USE ADDED INITIAL		X	X					
CROSS SWITCH PHASE								

DETECTOR INPUT	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)	48	410	412	52	54	63	66	72
CALLED PHASE	4	4	4	5	5	6	6	7
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME	X							
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL						X	X	
CROSS SWITCH PHASE								

DETECTOR INPUT	36	34	40	38	44	42	48	46
PLAN LOOP DETECTOR*(S)	74	83	86	88	810	812	814	
CALLED PHASE	7	8	8	8	8	8	8	
CALL OPTION	X			X	X	X	X	
DELAY TIME							X	
EXTENTION OPTION	X	X	X	X	X	X	X	
EXTEND TIME		X	X					
USE ADDED INITIAL								
CROSS SWITCH PHASE								

STH 181 (N 76TH ST) & GOOD HOPE RD

CITY OF MILWAUKEE

MILWAUKEE COUNTY

SIGNAL NO: S40-1124 CABINET TYPE: TS2-E

CONTROLLER TYPE: ECONOLITE

DATE: 5/25 PAGE NUMBER: 3 OF 4

PROJECT ID:	2140-14-70
INTERSECTION:	STH 181 AT GOOD HOPE RD

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

				SIGNAL INDICATION WIRE COLOR										
CB1 TO	JUMPER	# OF COND. AWG 14	HEAD NO.	RED	YELLOW	GREEN	<RED	<YELLOW>	<FL YELLOW>	<GREEN>	D/WALK	WALK	PED BUTTON	PED BUTTON 2
SB1		12	16	RED	ORG	GRN								
			17	RED	ORG	GRN								
			18	RED	ORG	GRN								
			39								BLK	BLU		
			B										WHT/BLK	
SB2		12	1	RED	ORG	GRN								
			32								BLK	BLU		
			B										WHT/BLK	
SB3		12	5				RED	ORG		GRN				
			13				RED/BLK	ORG/BLK		GRN/BLK				
			14				RED/BLK	ORG/BLK		GRN/BLK				
SB4		12	9	RED	ORG	GRN								
			10	RED	ORG	GRN								
			11	RED	ORG	GRN								
SB5		7	33								BLK	BLU		
			B										WHT/BLK	
SB6		12	15	RED	ORG	GRN								
			34								BLK	BLU		
			B										WHT/BLK	
SB7		12	19				RED	ORG		GRN				
			27				RED/BLK	ORG/BLK		GRN/BLK				
			28				RED/BLK	ORG/BLK		GRN/BLK				
SB8		12	23	RED	ORG	GRN								
			24	RED	ORG	GRN								
			25	RED	ORG	GRN								
SB9		7	35								BLK	BLU		
			B										WHT/BLK	
SB10		12	8	RED	ORG	GRN								
			36								BLK	BLU		
			B										WHT/BLK	
SB11		12	6				RED	ORG		GRN				
			7				RED	ORG		GRN				
			12				RED/BLK	ORG/BLK		GRN/BLK				
			30	BLK				BLU		WHT/BLK				
SB12		12	31	RED				ORG		GRN				
SB13		12	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
			4	RED	ORG	GRN								
SB14		12	29	RED				ORG		GRN				
SB15		7	37								BLK	BLU		
			B										WHT/BLK	
SB16		12	22	RED	ORG	GRN								
			38								BLK	BLU		
			B										WHT/BLK	
SB17		12	20	RED	ORG		GRN							
			21	RED	ORG		GRN							
			26	RED/BLK	ORG/BLK		GRN/BLK							

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	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	SB16
SB16	SB17
SB17	CB1

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
CB1	PB1
SB2	PB2
SB3	PB5
SB4	PB6
SB6	PB8
SB7	PB11
SB8	PB12
SB8	PB13
SB10	PB14
SB11	PB17
SB13	PB19
SB14	PB20
SB16	PB23
SB17	PB25
CB1	PB27

LIGHTING UF 12 AWG W/GROUND	
FROM	TO
CB1	SB3
SB3	SB7
CB1	SB17
SB17	SB14
SB14	SB11

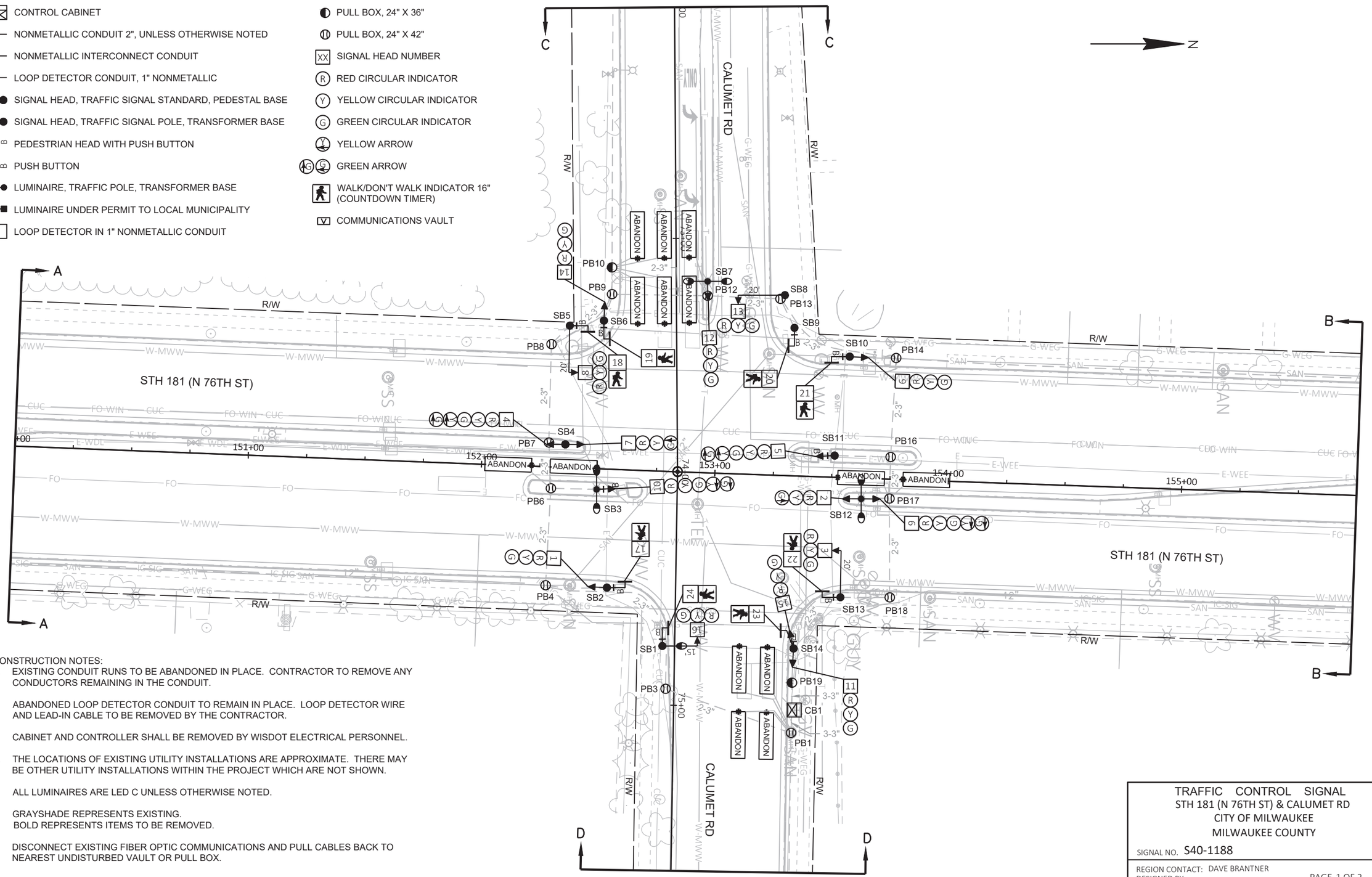
NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN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

2

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT



CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED C UNLESS OTHERWISE NOTED.
6. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.
7. DISCONNECT EXISTING FIBER OPTIC COMMUNICATIONS AND PULL CABLES BACK TO NEAREST UNDISTURBED VAULT OR PULL BOX.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1188

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

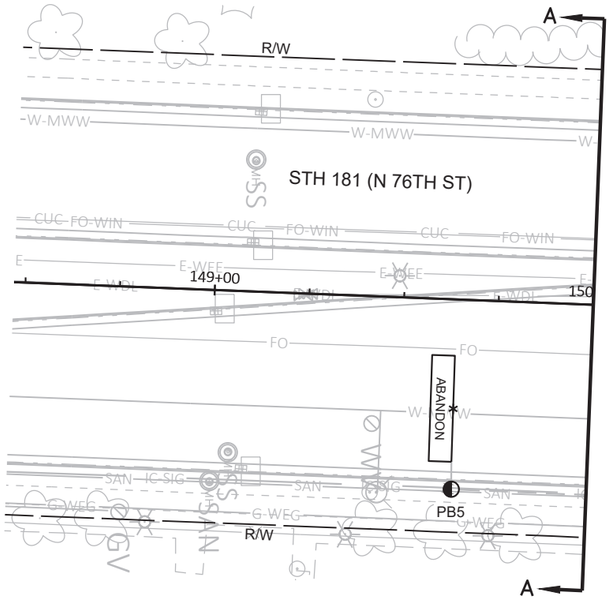
PAGE 1 OF 2

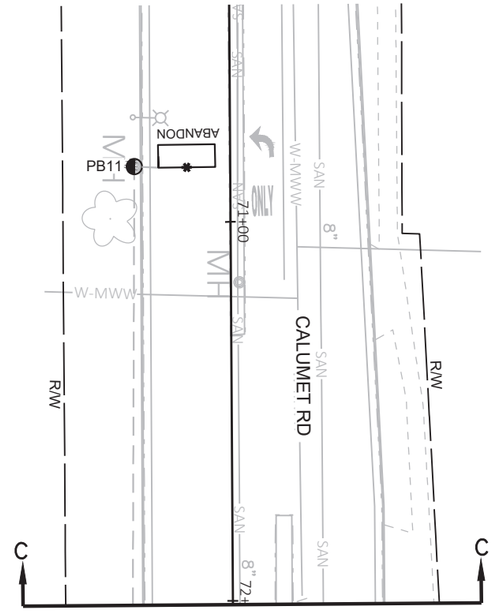
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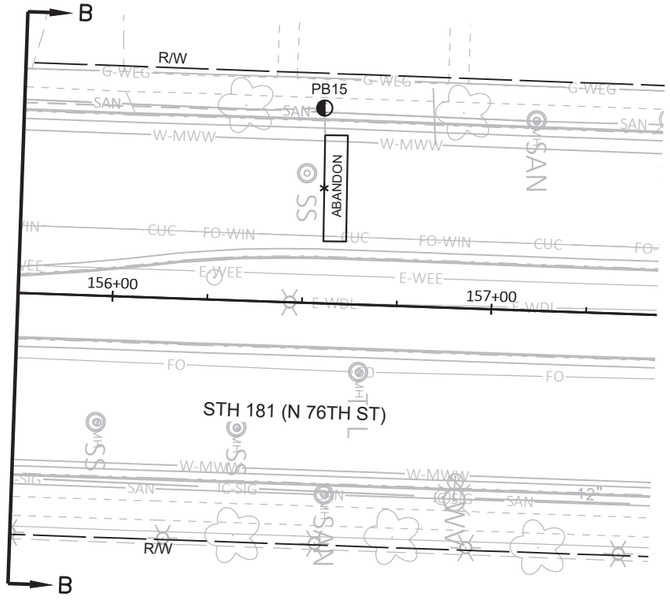
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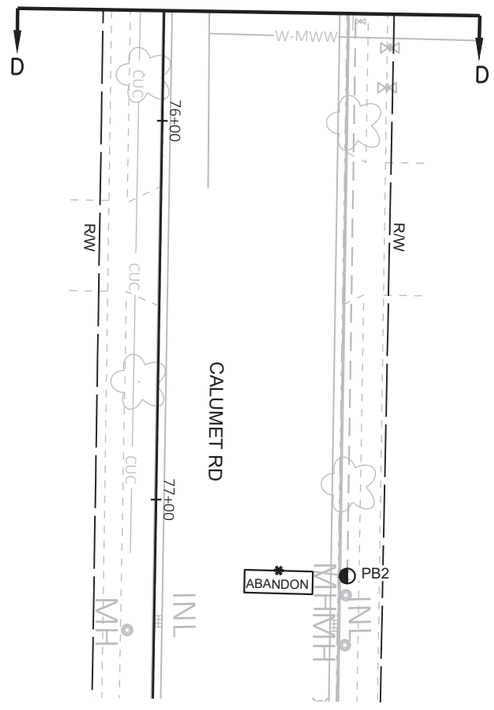
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WISDOT/CADDS SHEET 42









TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1188

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 2

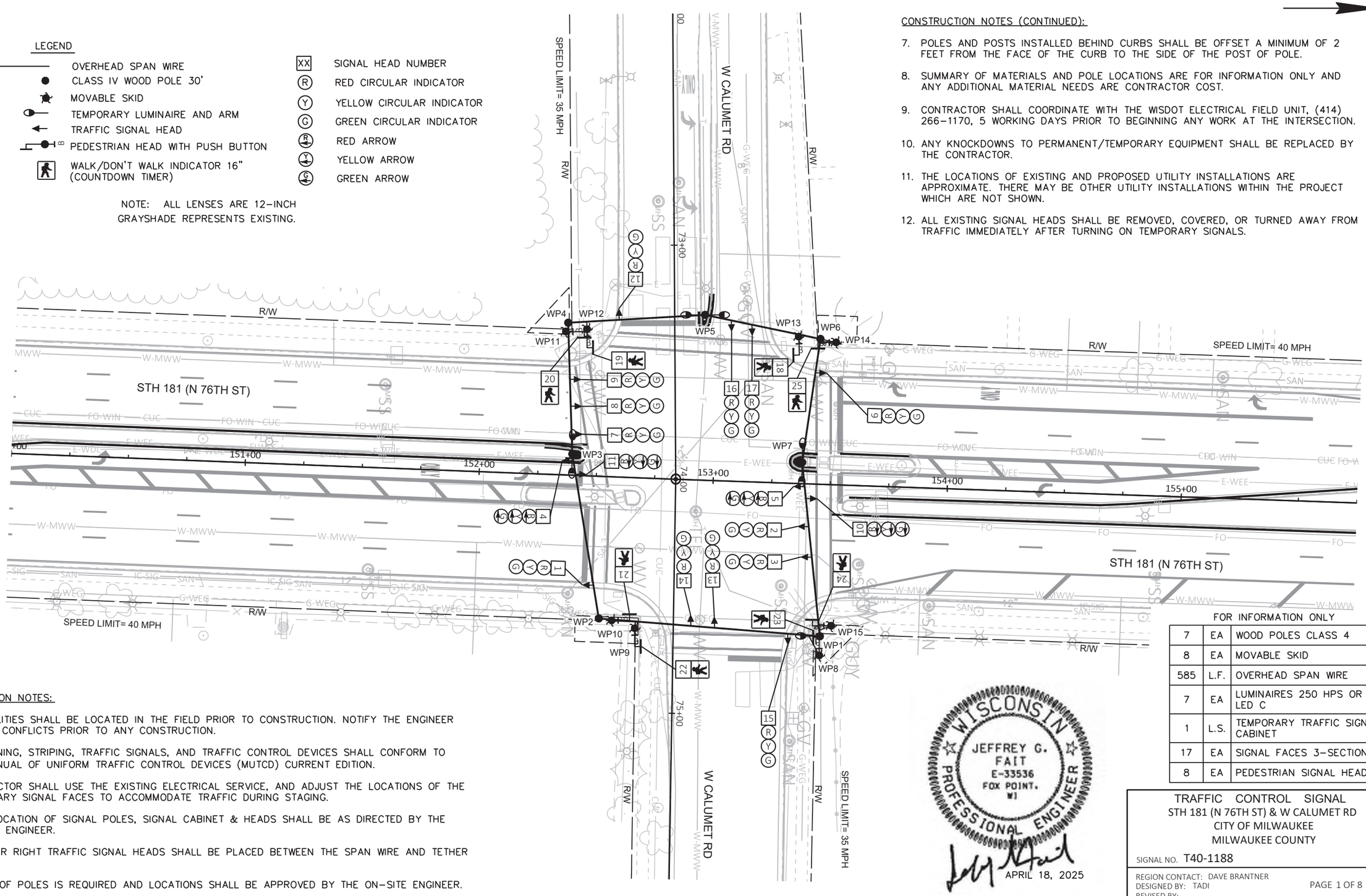
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PLOT DATE : 4/18/2025 3:14 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES (CONTINUED):

7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OF POLE.
8. SUMMARY OF MATERIALS AND POLE LOCATIONS ARE FOR INFORMATION ONLY AND ANY ADDITIONAL MATERIAL NEEDS ARE CONTRACTOR COST.
9. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266–1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
10. ANY KNOCKDOWNS TO PERMANENT/TEMPORARY EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
11. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
12. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION.
2. ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
3. CONTRACTOR SHALL USE THE EXISTING ELECTRICAL SERVICE, AND ADJUST THE LOCATIONS OF THE TEMPORARY SIGNAL FACES TO ACCOMMODATE TRAFFIC DURING STAGING.
4. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ON–SITE ENGINEER.
5. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ON–SITE ENGINEER.

FOR INFORMATION ONLY

7	EA	WOOD POLES CLASS 4
8	EA	MOVABLE SKID
585	L.F.	OVERHEAD SPAN WIRE
7	EA	LUMINAIRES 250 HPS OR LED C
1	L.S.	TEMPORARY TRAFFIC SIGNAL CABINET
17	EA	SIGNAL FACES 3–SECTION
8	EA	PEDESTRIAN SIGNAL HEAD

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1188

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 1 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-STAGE	SHEET 232	E

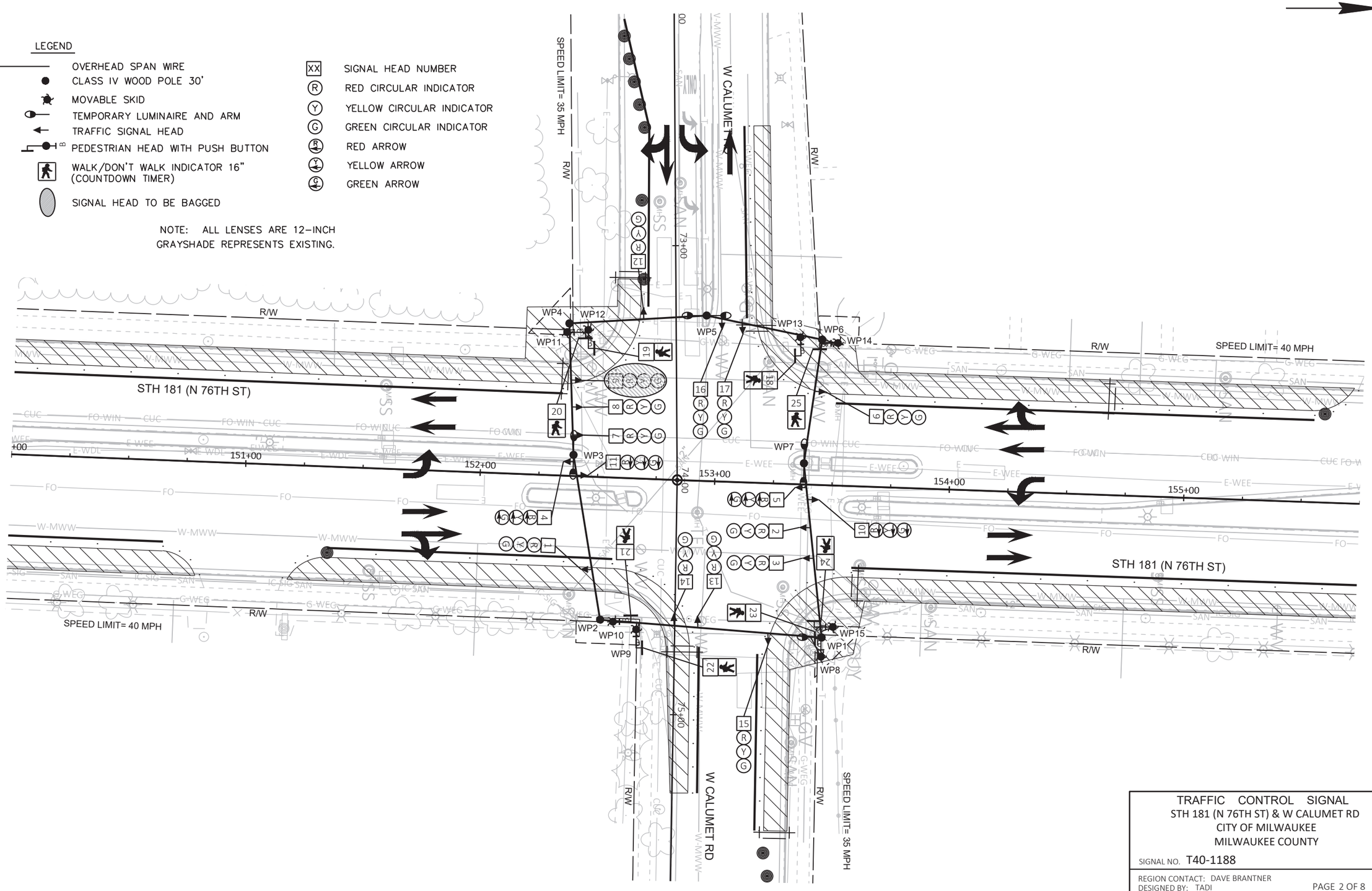
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PLOT DATE : 4/18/2025 1:04 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1188

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 233	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\06-CALUMET\T40-1188_CALUMET_TEMP_STAGE_1.DWG
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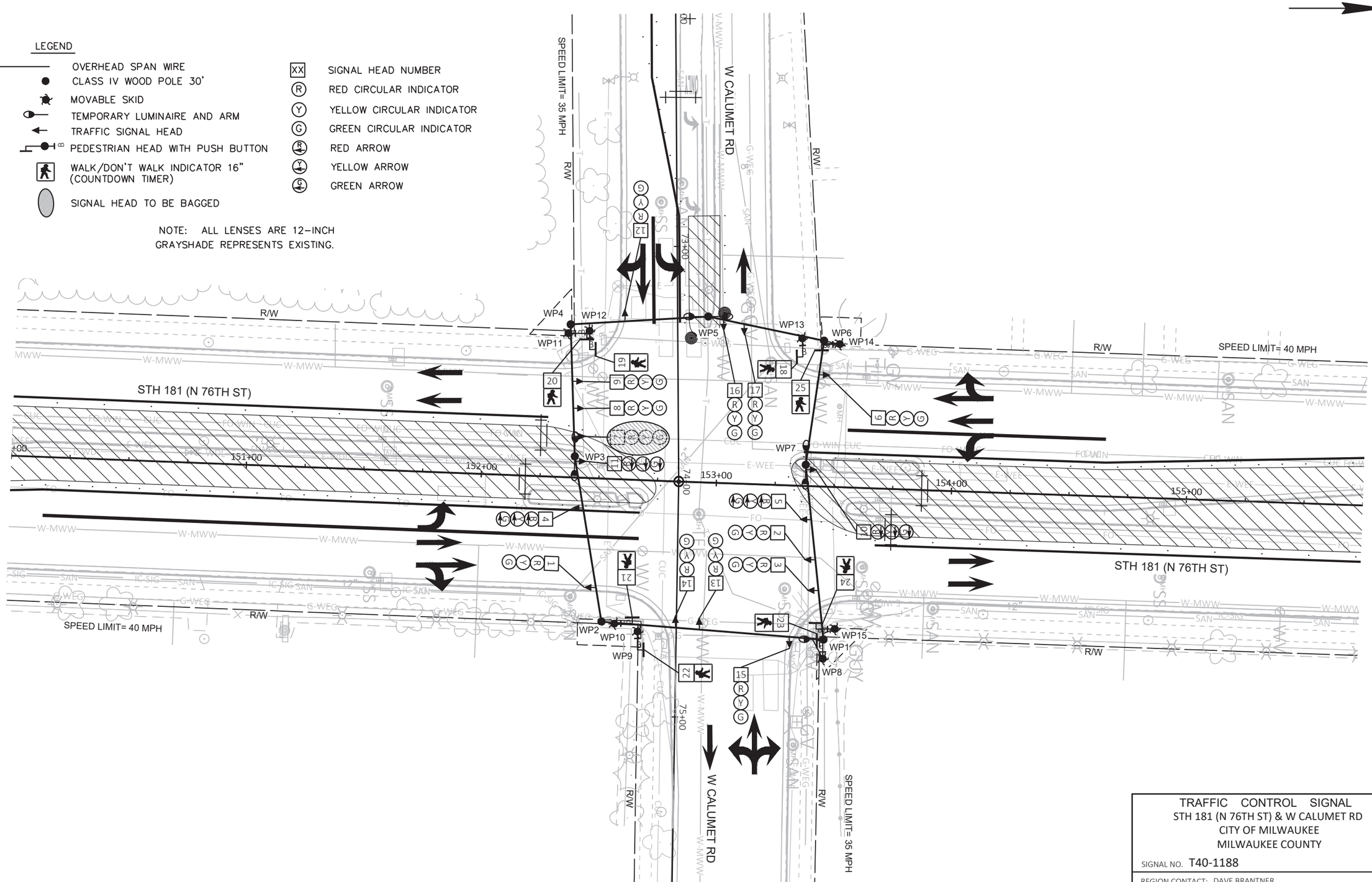
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WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1188

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

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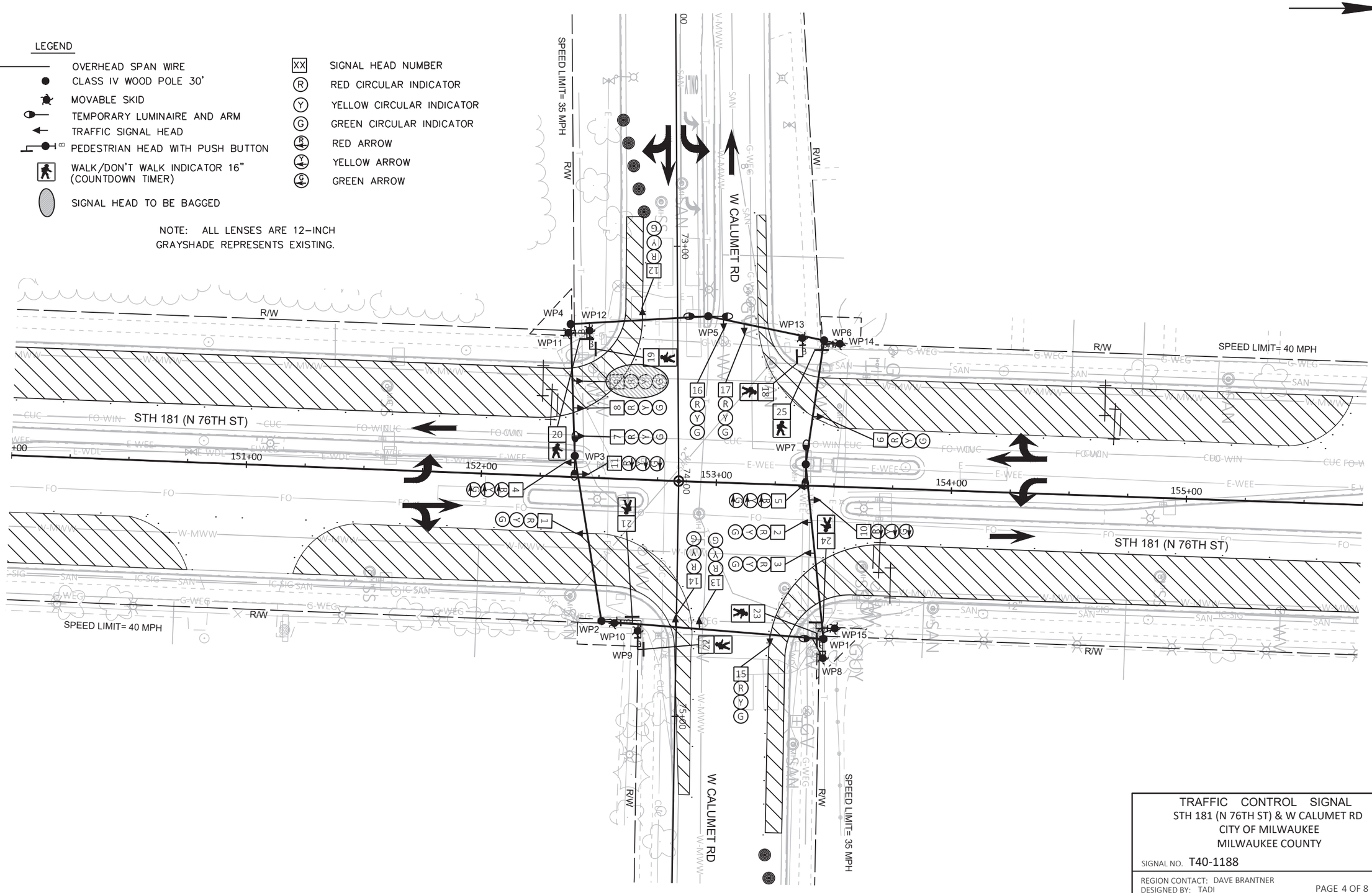
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LAYOUT NAME - T40-1188_pg1
PLOT DATE : 4/18/2025 11:51 AM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1188

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 4 OF 8

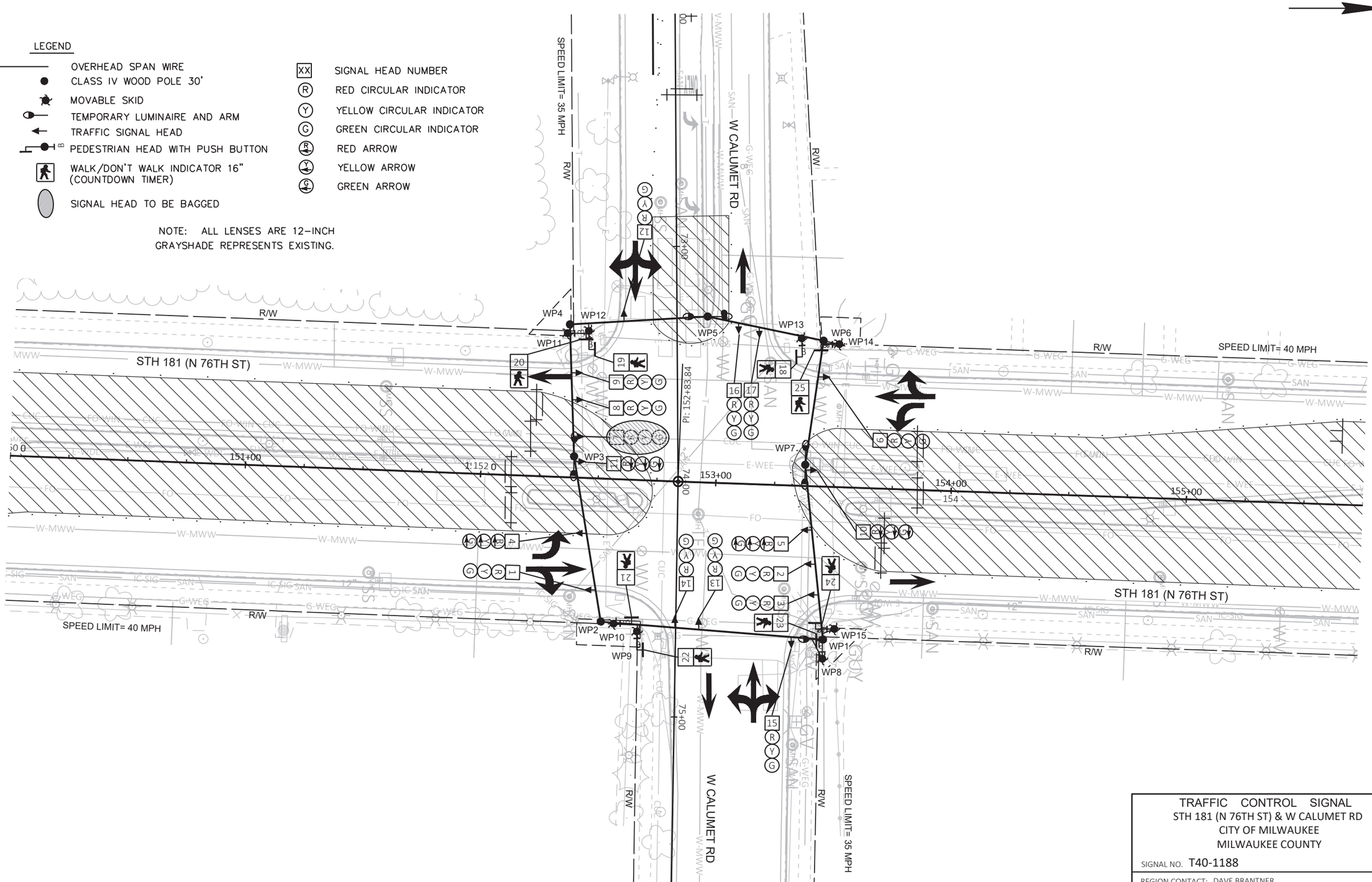
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PLOT DATE : 4/18/2025 11:51 AM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1188

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 5 OF 8

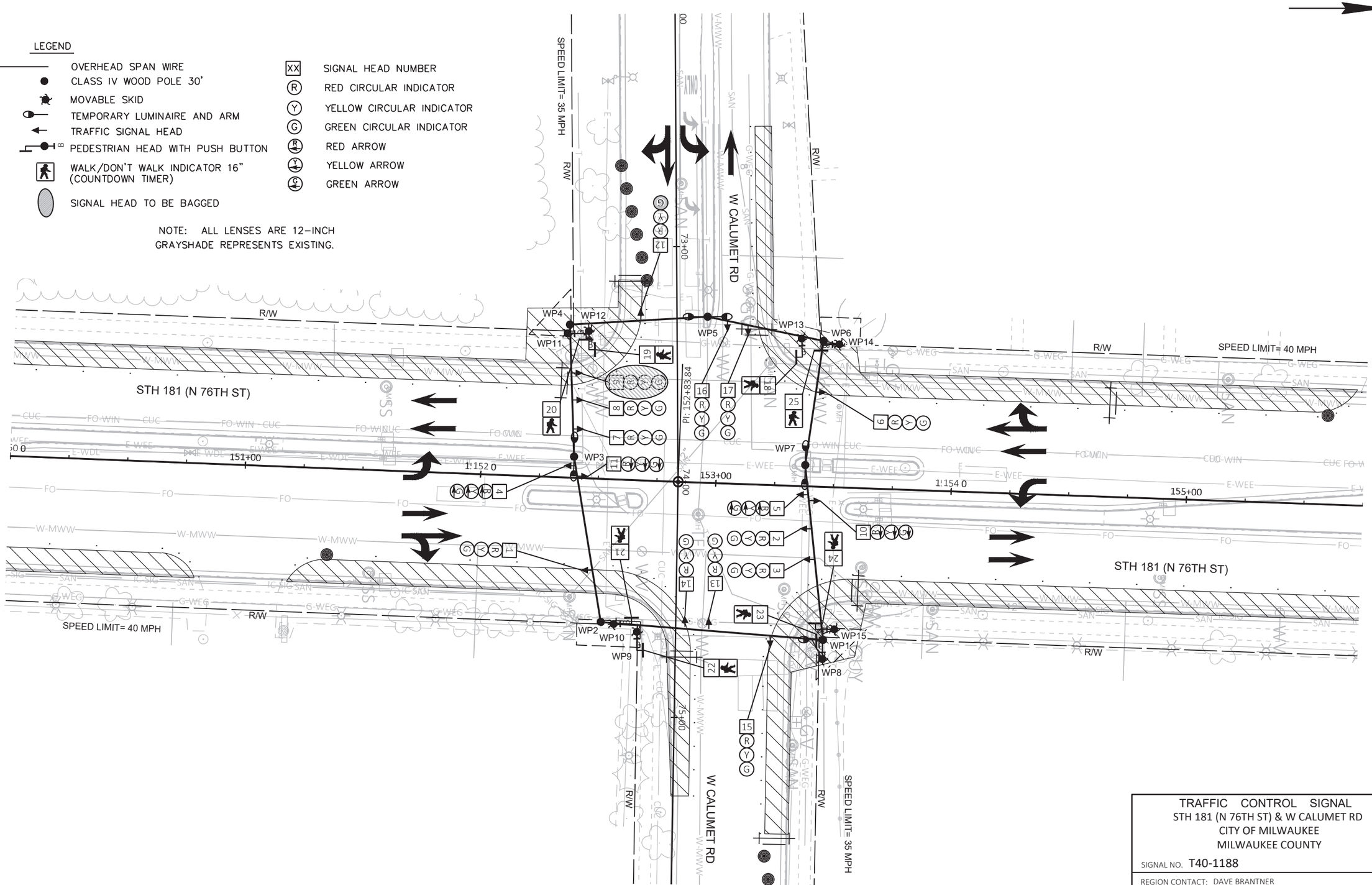
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PLOT DATE : 4/18/2025 11:51 AM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1188

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

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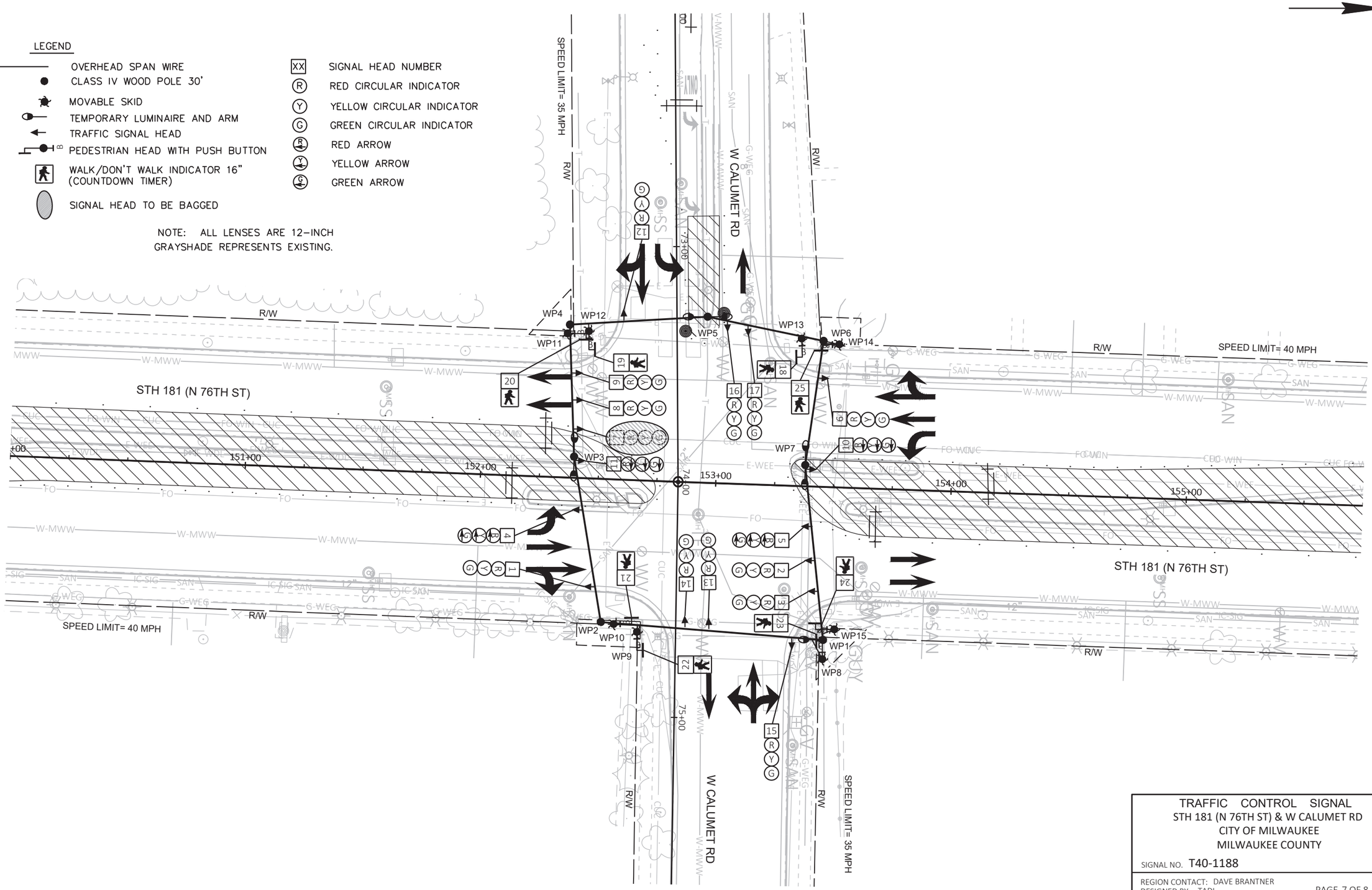
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LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1188

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 7 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET 238	E

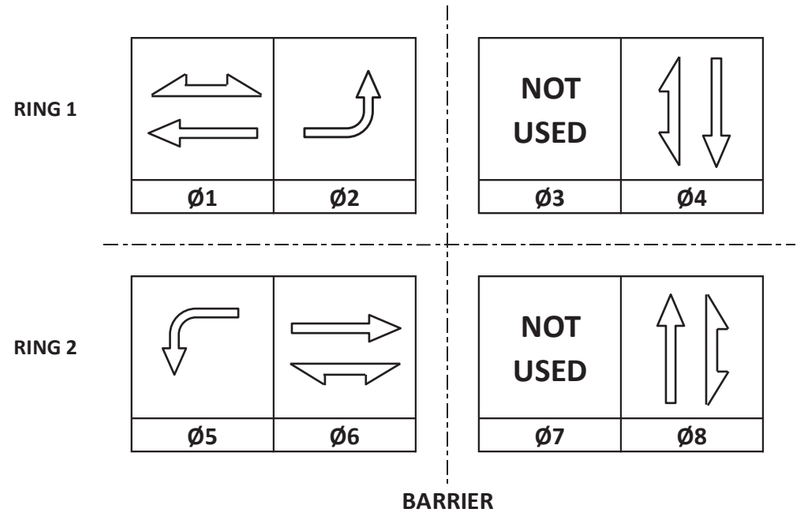
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LAYOUT NAME - T40-1188_pg1

PLOT DATE : 4/18/2025 11:52 AM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	6,7,8,9	R
Ø2P	4,5	R ←
Ø3		
Ø4	12,13,14	R
Ø5	10,11	R ←
Ø6	1,2,3	R
Ø7		
Ø8	15,16,17	R
Ø1P	18,19	
Ø4P	20,21	
Ø6P	22,23	
Ø8P	24,25	
OLE		
OLF		
OLG		
OLH		

N



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

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

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

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

CONTROLLER LOGIC

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

GENERAL NOTES:

1. PHASES 2 AND 5 ARE IN CONFLICT AND SHALL NOT RUN CONCURRENTLY.

STH 181 (N 76TH ST) & CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: T40-1188 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 5/25 PAGE NUMBER: 8 OF 8

2

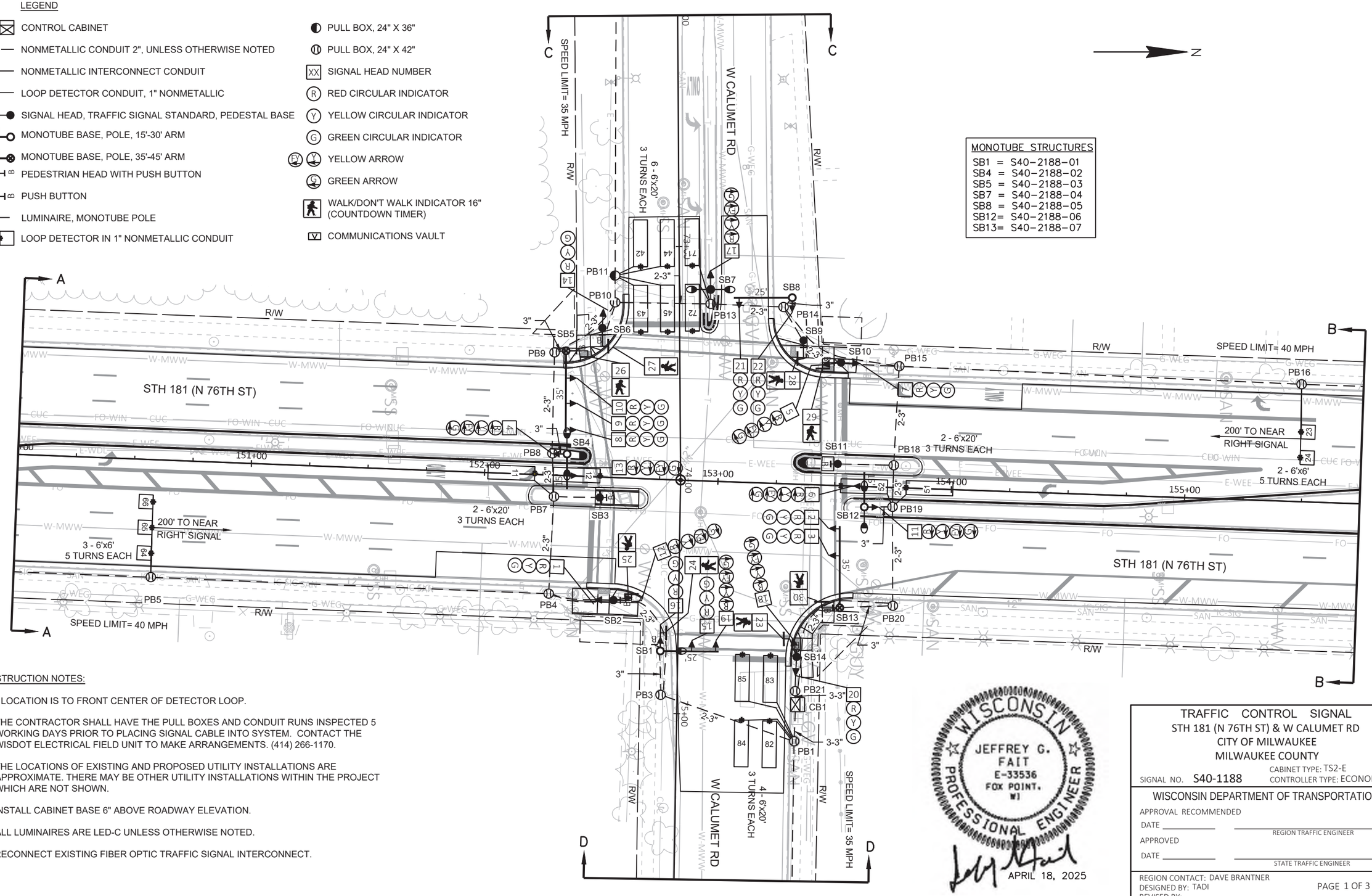
2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, MONOTUBE POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- V COMMUNICATIONS VAULT

MONOTUBE STRUCTURES

SB1 = S40-2188-01
SB4 = S40-2188-02
SB5 = S40-2188-03
SB7 = S40-2188-04
SB8 = S40-2188-05
SB12= S40-2188-06
SB13= S40-2188-07



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. RECONNECT EXISTING FIBER OPTIC TRAFFIC SIGNAL INTERCONNECT.

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1188
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

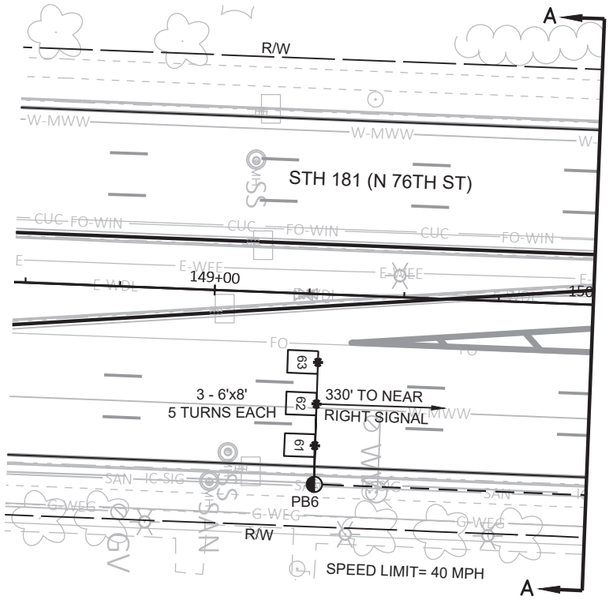
PAGE 1 OF 3

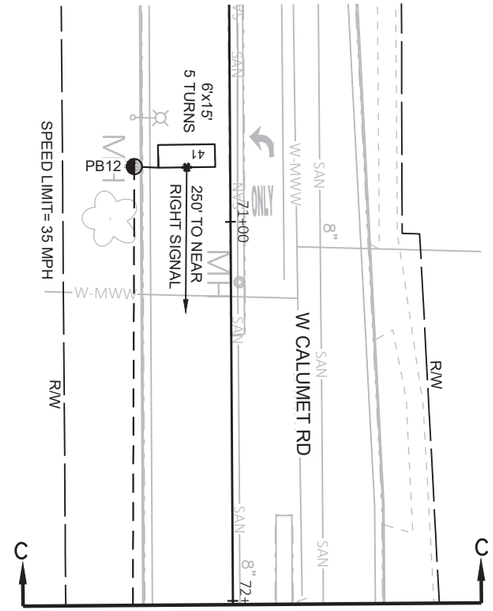
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 240	E

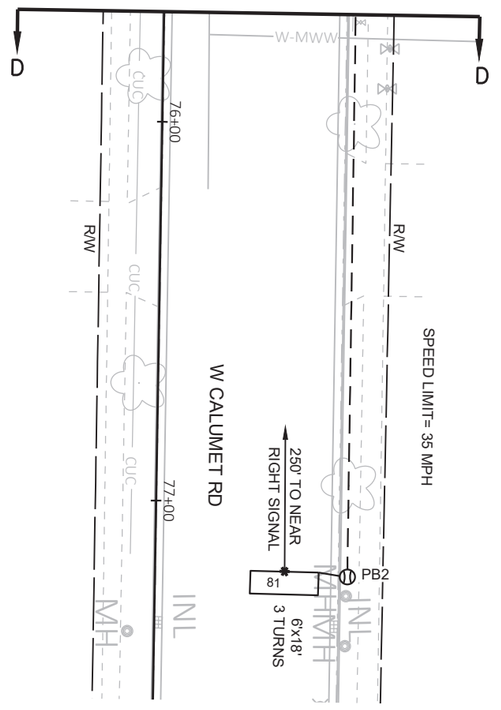
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LAYOUT NAME - S40-1188_pg1
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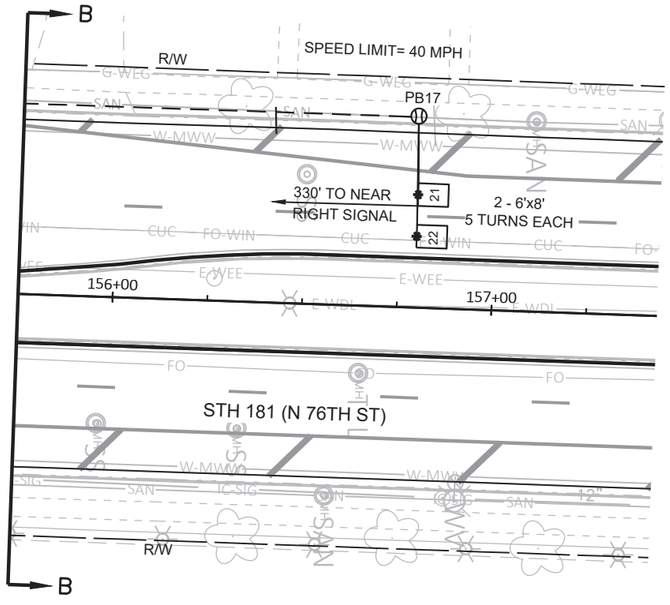
WISDOT/CADDS SHEET 42

2









TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1188

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

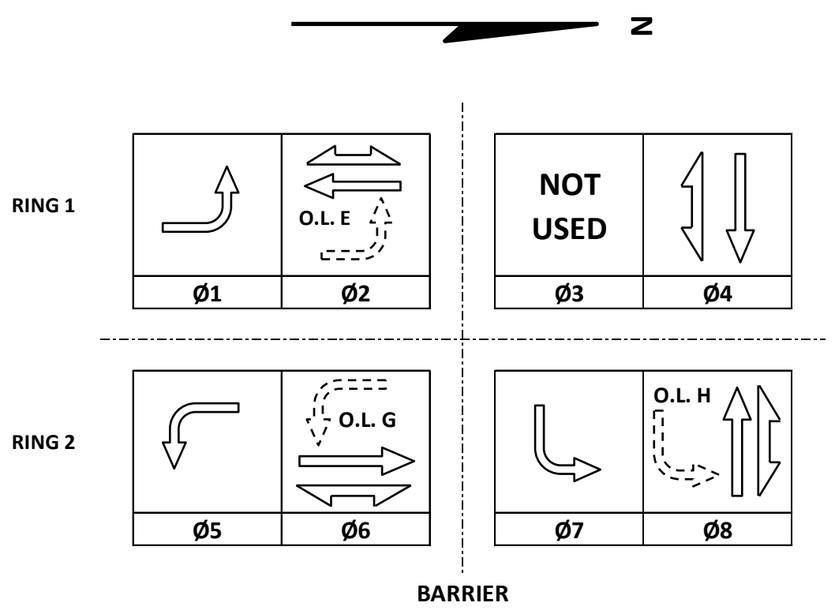
PAGE 2 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 241	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1188_CALUMET_2140-14-70.DWG
LAYOUT NAME - S40-1188_pg2

PLOT DATE : 4/18/2025 7:27 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

	HEAD NUMBERS	FLASH
Ø1	4,5,6	R ←
Ø2	7,8,9,10	R
Ø3		
Ø4	14,15,16	R
Ø5	11,12,13	R ←
Ø6	1,2,3	R
Ø7	17,18,19	R ←
Ø8	20,21,22	R
Ø2P	27,28	
Ø4P	25,26	
Ø6P	23,24	
Ø8P	29,30	
OLE	4,5,6	-
OLF		
OLG	11,12,13	-
OLH	17,18,19	-



CONTROLLER LOGIC

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

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

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	0120

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

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

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)	11	21	23	41	43	45	52	62	64	66	72	82	84				PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	4	5	6	6	6	8	8	8				CALLED PHASE
CALL OPTION	X	X	X		X	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	X	X	X	X	X				EXTENTION OPTION
EXTEND TIME				X													EXTEND TIME
USE ADDED INITIAL		X	X					X	X	X							USE ADDED INITIAL
CROSS SWITCH PHASE	2						6										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)	12	22	24	42	44	51	61	63	65	71	81	83	85				PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	5	6	6	6	8	8	8	8				CALLED PHASE
CALL OPTION	X	X	X	X	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	X	X	X	X	X				EXTENTION OPTION
EXTEND TIME											X						EXTEND TIME
USE ADDED INITIAL		X	X				X	X	X								USE ADDED INITIAL
CROSS SWITCH PHASE	2					6											CROSS SWITCH PHASE

GENERAL NOTES:

1. PHASE 7 IS OMITTED 24/7.

STH 181 (N 76TH ST) & CALUMET RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: S40-1188 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 5/25 PAGE NUMBER: 3 OF 3

PROJECT ID:	2140-14-70
INTERSECTION:	STH 181 AT CALUMET RD

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

CB1 TO	JUMPER	# OF COND. AWG 14	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	PED BUTTON 2
				RED	YELLOW	GREEN	<RED	<YELLOW>	<FL YELLOW>	<GREEN>	D/WALK	WALK		
SB1		15	15	RED	ORG	GRN								
			16	RED	ORG	GRN								
			19				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			24								BLK	BLU		
			B										WHT/BLK	
SB2		15	1	RED	ORG	GRN								
			12				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			25								BLK	BLU		
			B										WHT/BLK	
SB3		7	B										WHT/BLK	
SB4		12	4				RED	ORG	BLK/WHT	GRN				
			13				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK				
SB5		12	8	RED	ORG	GRN								
			9	RED	ORG	GRN								
			10	RED	ORG	GRN								
			26								BLK	BLU		
			B										WHT/BLK	
SB6		12	14	RED	ORG	GRN								
			27								BLK	BLU		
			B										WHT/BLK	
SB7		12	17				RED	ORG	BLK/WHT	GRN				
SB8		12	21	RED	ORG	GRN								
			22	RED	ORG	GRN								
SB9		7	28								BLK	BLU		
			B										WHT/BLK	
SB10		15	5				RED	ORG	BLK/WHT	GRN				
			7	RED/BLK	ORG/BLK	GRN/BLK								
			29								BLK	BLU		
			B										WHT/BLK	
SB11		7	B										WHT/BLK	
SB12		12	6				RED	ORG	BLK/WHT	GRN				
			11				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK				
SB13		12	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
			30								BLK	BLU		
			B										WHT/BLK	
SB14		15	18				RED	ORG	BLK/WHT	GRN				
			20	RED/BLK	ORG/BLK	GRN/BLK								
			23								BLK	BLU		
			B										WHT/BLK	

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	SB12
SB12	SB13
SB13	SB14
SB14	CB1

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
CB1	PB1
SB1	PB3
SB2	PB4
SB3	PB7
SB4	PB8
SB5	PB9
SB6	PB10
SB7	PB13
SB9	PB14
SB10	PB15
SB11	PB18
SB12	PB19
SB13	PB20
CB1	PB21

LIGHTING UF 12 AWG W/GROUND	
FROM	TO
CB1	SB1
SB1	SB4
CB1	SB12
SB12	SB7

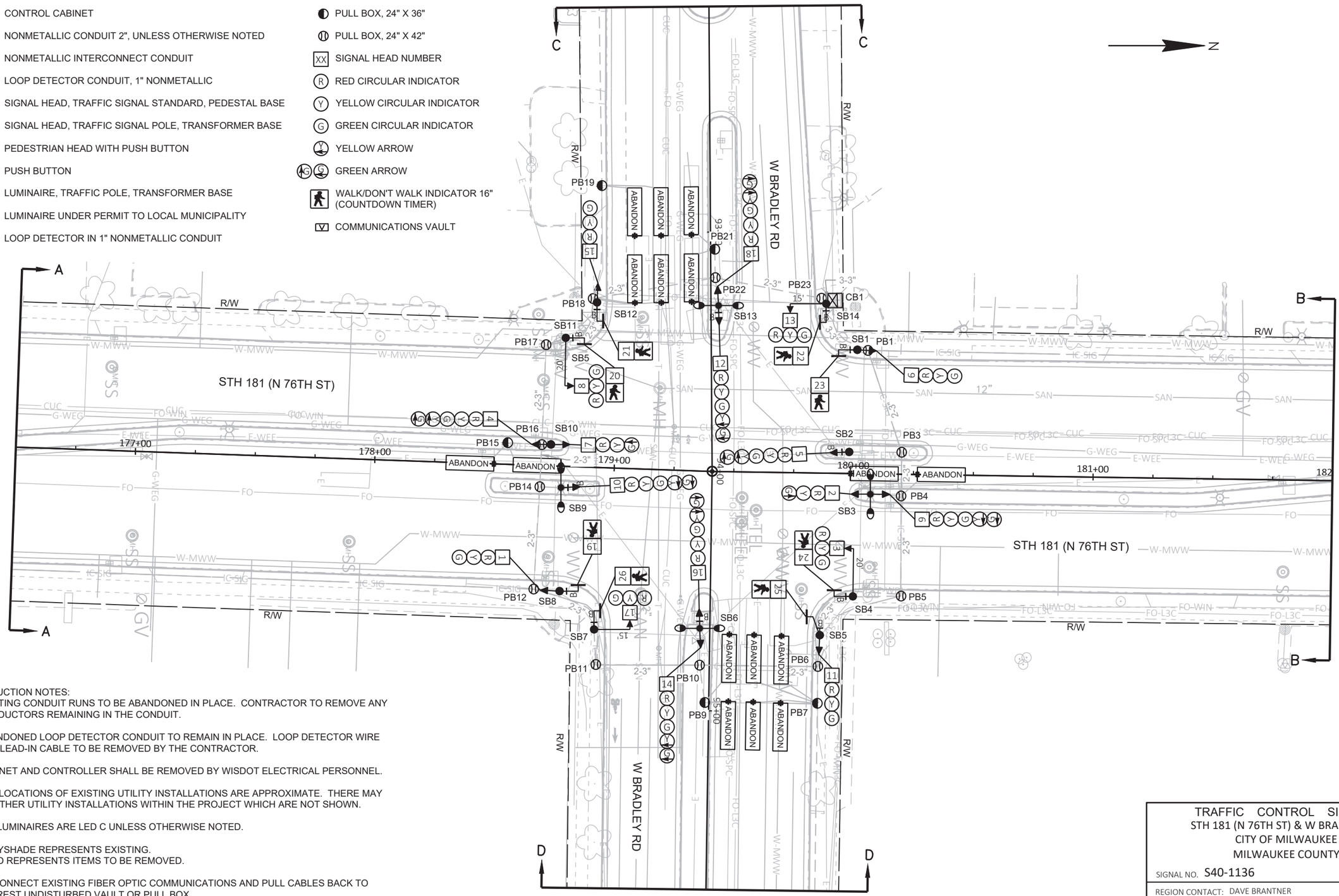
NOTES:
1. USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
2. ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
3. AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN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

2

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT



CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED C UNLESS OTHERWISE NOTED.
6. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.
7. DISCONNECT EXISTING FIBER OPTIC COMMUNICATIONS AND PULL CABLES BACK TO NEAREST UNDISTURBED VAULT OR PULL BOX.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W BRADLEY RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1136

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

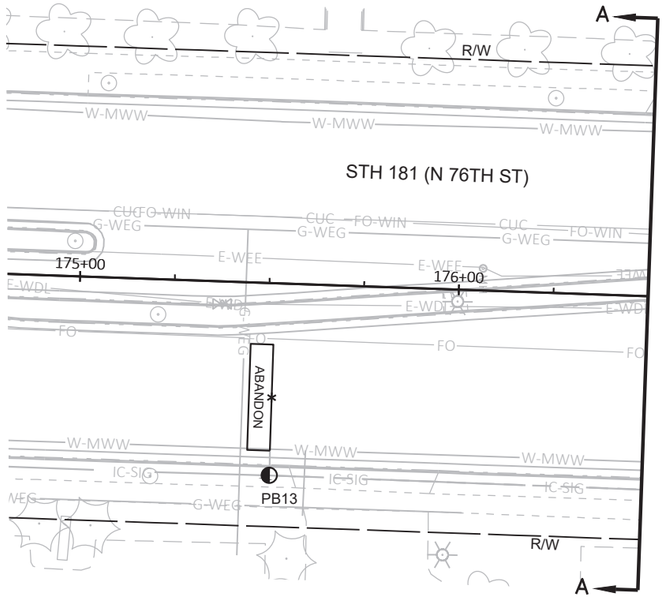
PAGE 1 OF 2

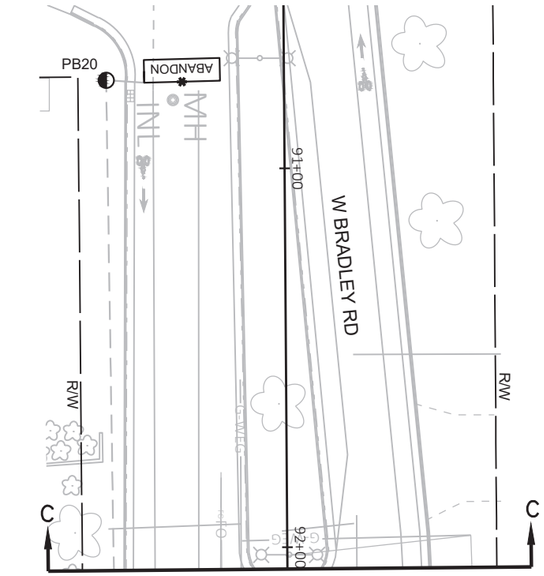
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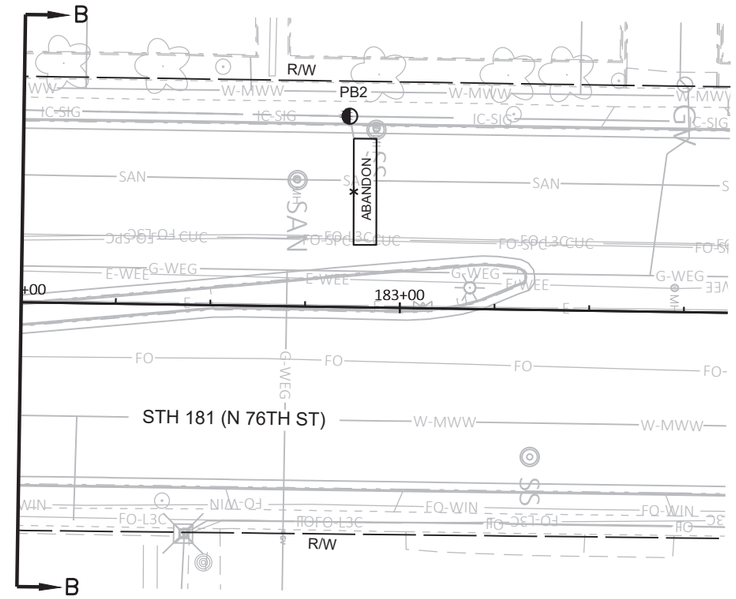
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LAYOUT NAME - S40-1136_rem_pg1

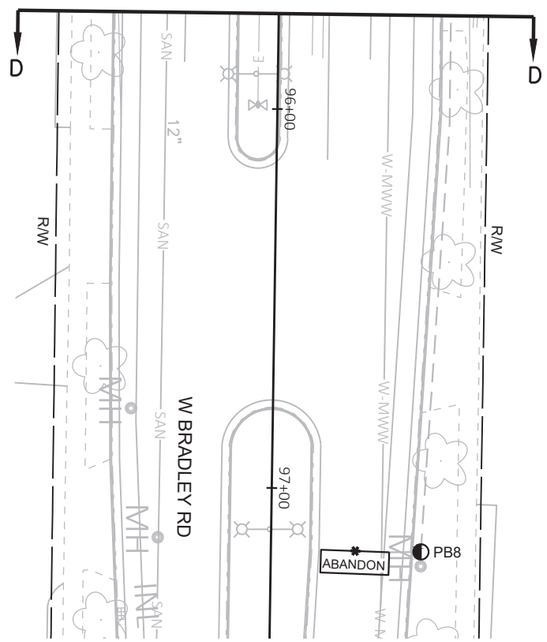
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WISDOT/CADDS SHEET 42









TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W BRADLEY RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1136

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 245	E

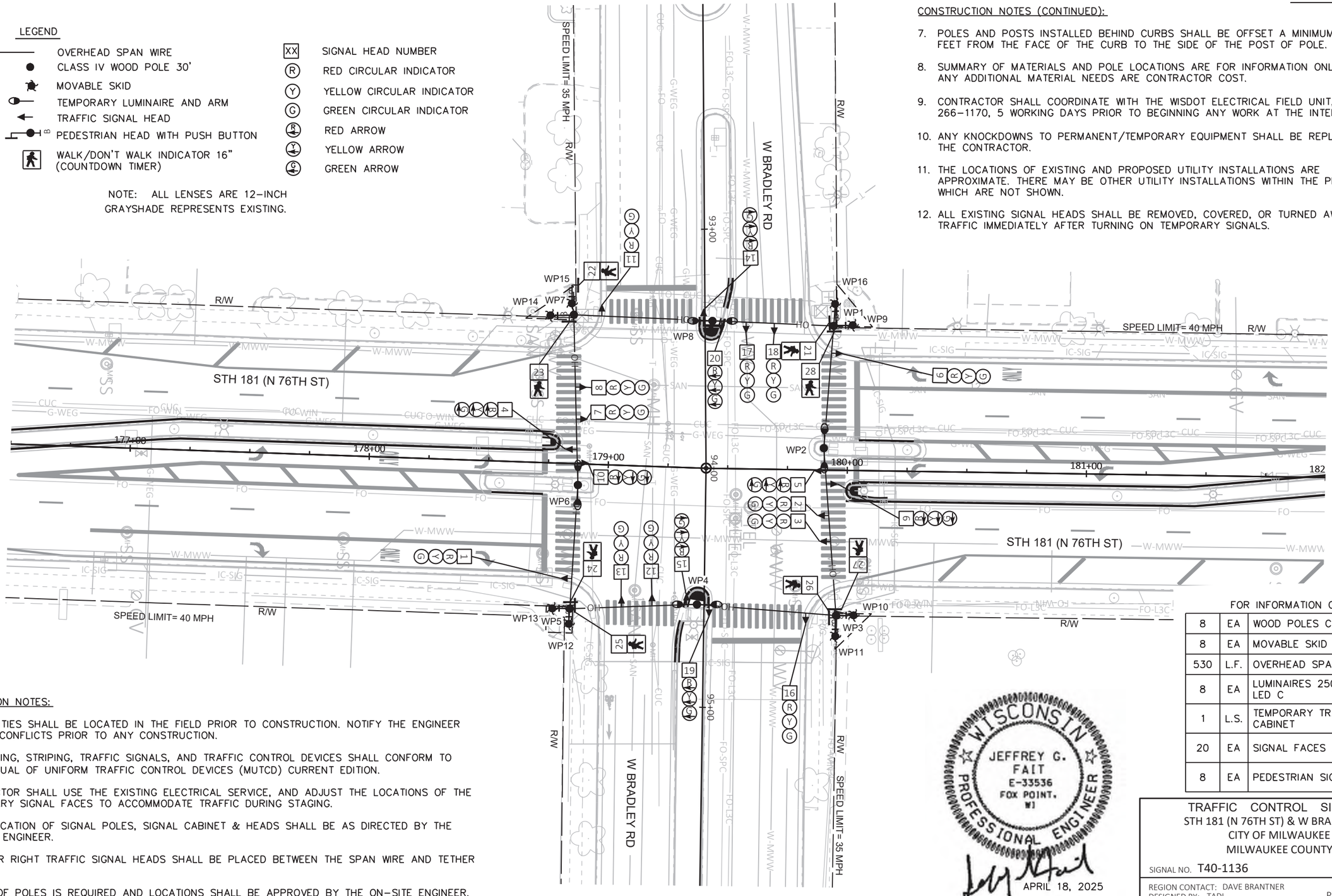
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LAYOUT NAME - S40-1136_rem_pg2

PLOT DATE : 4/18/2025 3:08 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES (CONTINUED):

7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OF POLE.
8. SUMMARY OF MATERIALS AND POLE LOCATIONS ARE FOR INFORMATION ONLY AND ANY ADDITIONAL MATERIAL NEEDS ARE CONTRACTOR COST.
9. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266–1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
10. ANY KNOCKDOWNS TO PERMANENT/TEMPORARY EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
11. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
12. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION.
2. ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
3. CONTRACTOR SHALL USE THE EXISTING ELECTRICAL SERVICE, AND ADJUST THE LOCATIONS OF THE TEMPORARY SIGNAL FACES TO ACCOMMODATE TRAFFIC DURING STAGING.
4. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ON–SITE ENGINEER.
5. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ON–SITE ENGINEER.

FOR INFORMATION ONLY

8	EA	WOOD POLES CLASS 4
8	EA	MOVABLE SKID
530	L.F.	OVERHEAD SPAN WIRE
8	EA	LUMINAIRES 250 HPS OR LED C
1	L.S.	TEMPORARY TRAFFIC SIGNAL CABINET
20	EA	SIGNAL FACES 3–SECTION
8	EA	PEDESTRIAN SIGNAL HEAD

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W BRADLEY RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1136

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 1 OF 8

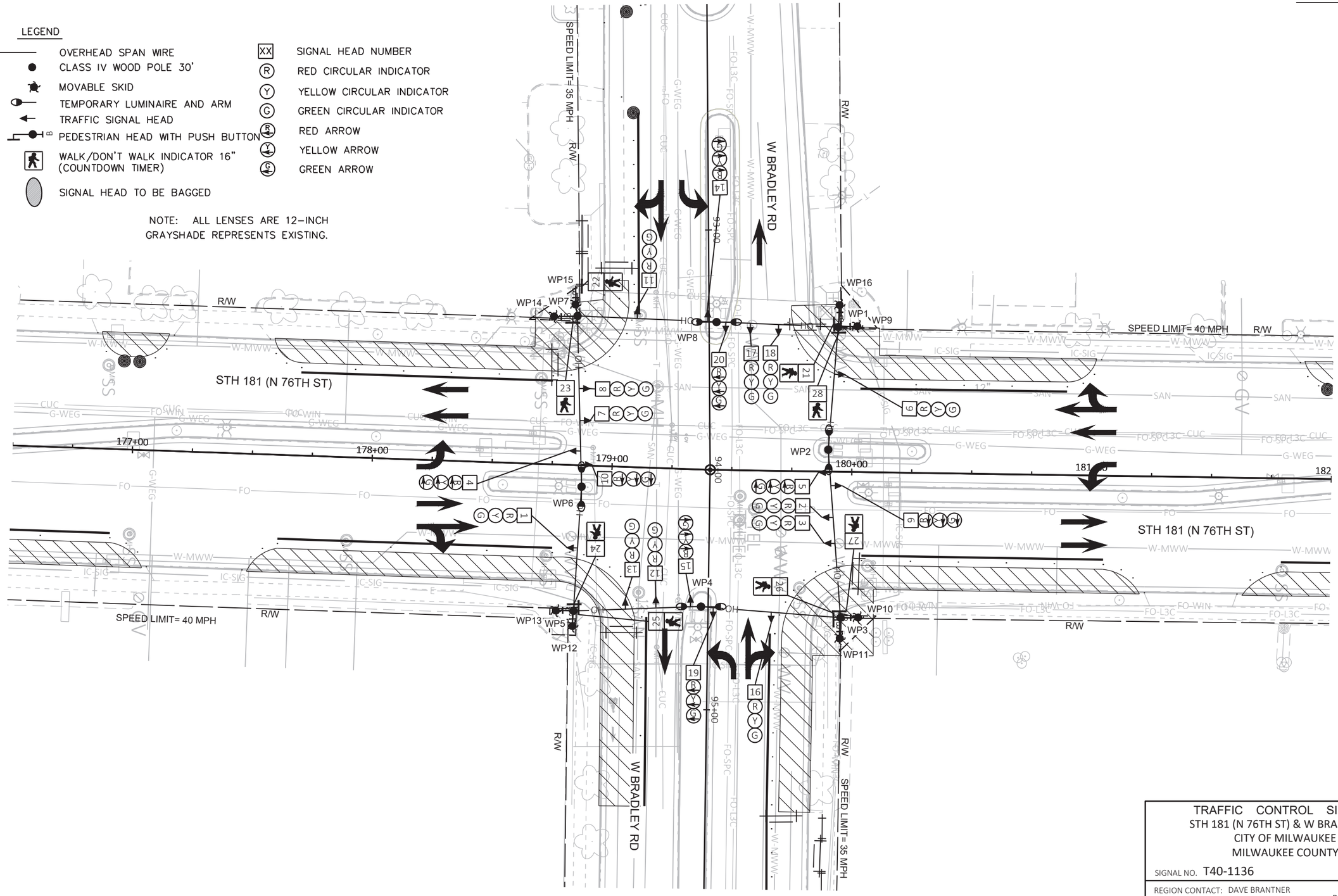
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-STAGE	SHEET 246	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\07-BRADLEY\T40-1136_BRADLEY_TEMP_PRESTAGE.DWG
LAYOUT NAME - T40-1136_pg1
PLOT DATE : 4/18/2025 1:22 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W BRADLEY RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1136

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 247	E

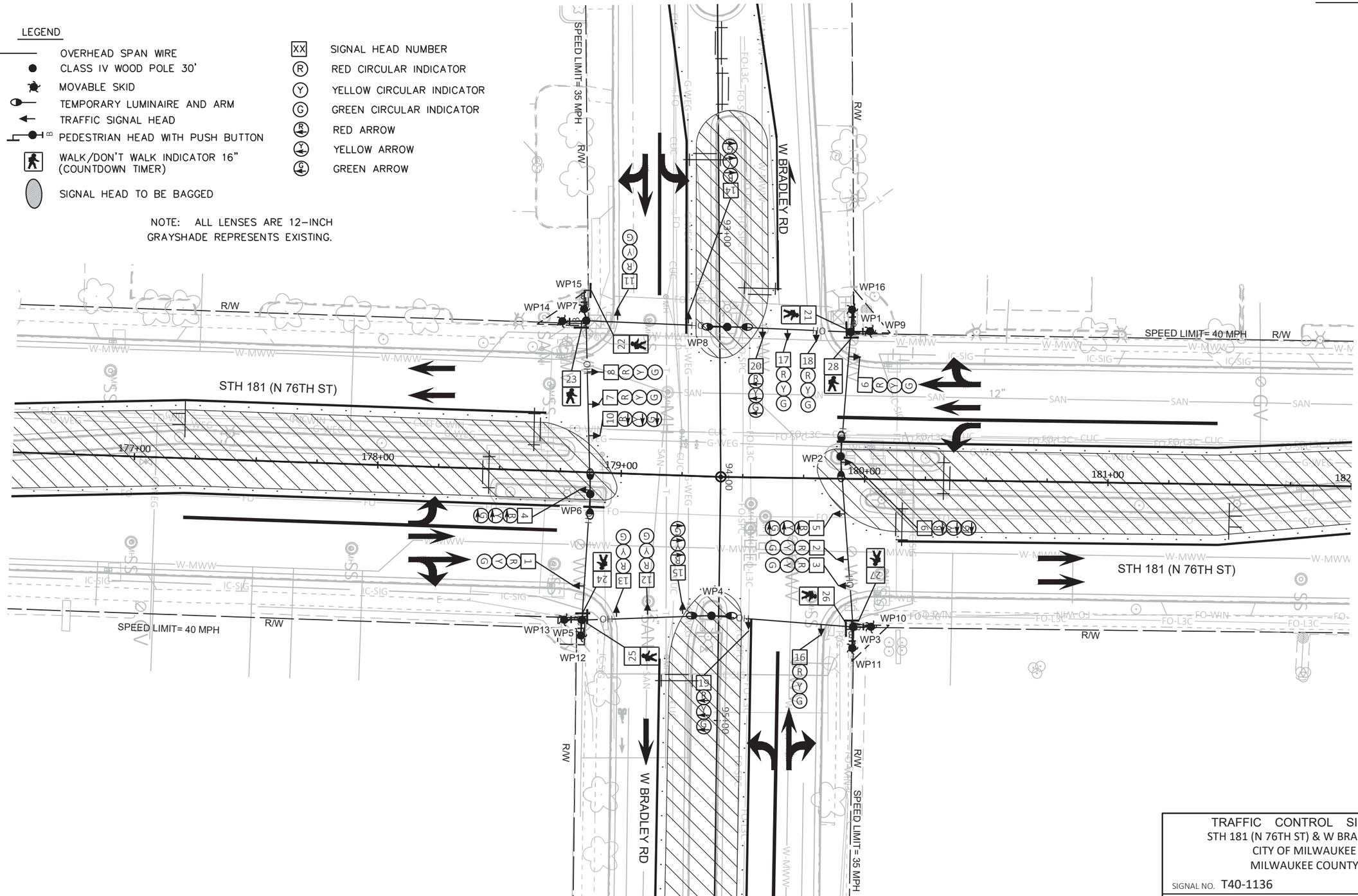
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PLOT DATE : 4/18/2025 1:22 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W BRADLEY RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1136

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 3 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 248	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\07-BRADLEY\T40-1136_BRADLEY_TEMP_STAGE_2.DWG
LAYOUT NAME - T40-1136_pg1

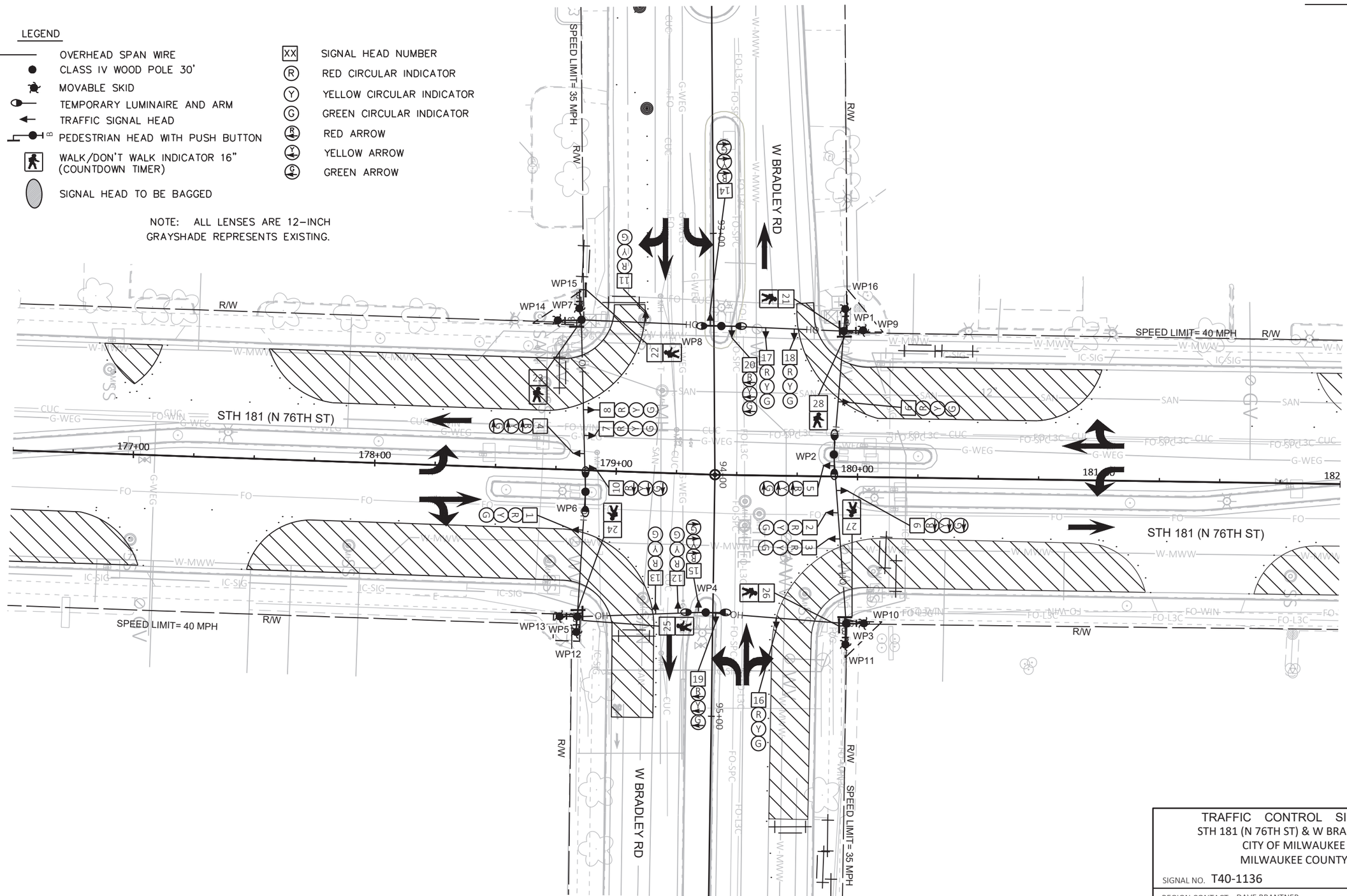
PLOT DATE : 4/18/2025 1:23 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W BRADLEY RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1136

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 4 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3A	SHEET 249	E

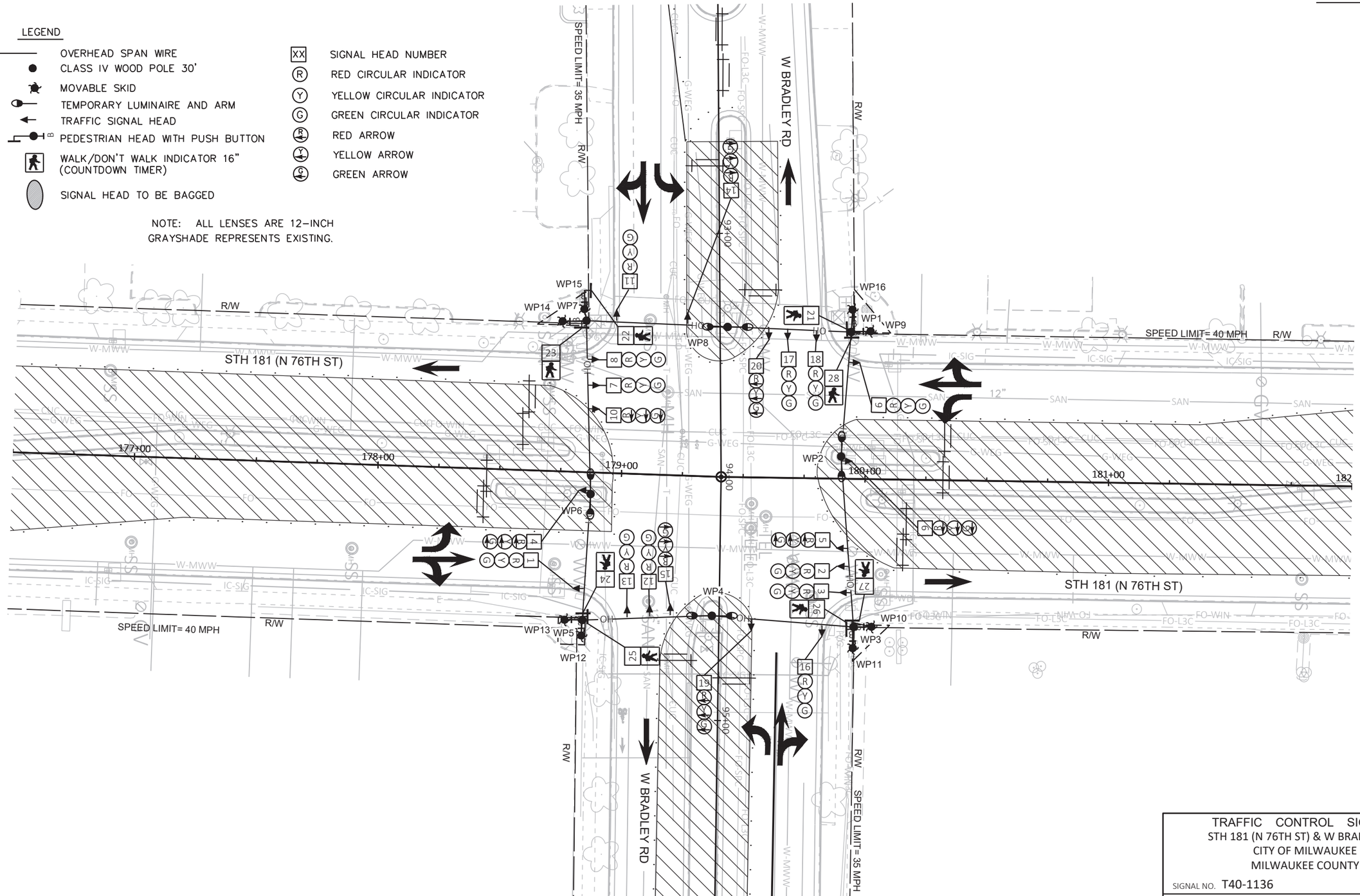
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PLOT DATE : 4/18/2025 1:23 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W BRADLEY RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1136

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 5 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3B	SHEET 250	E

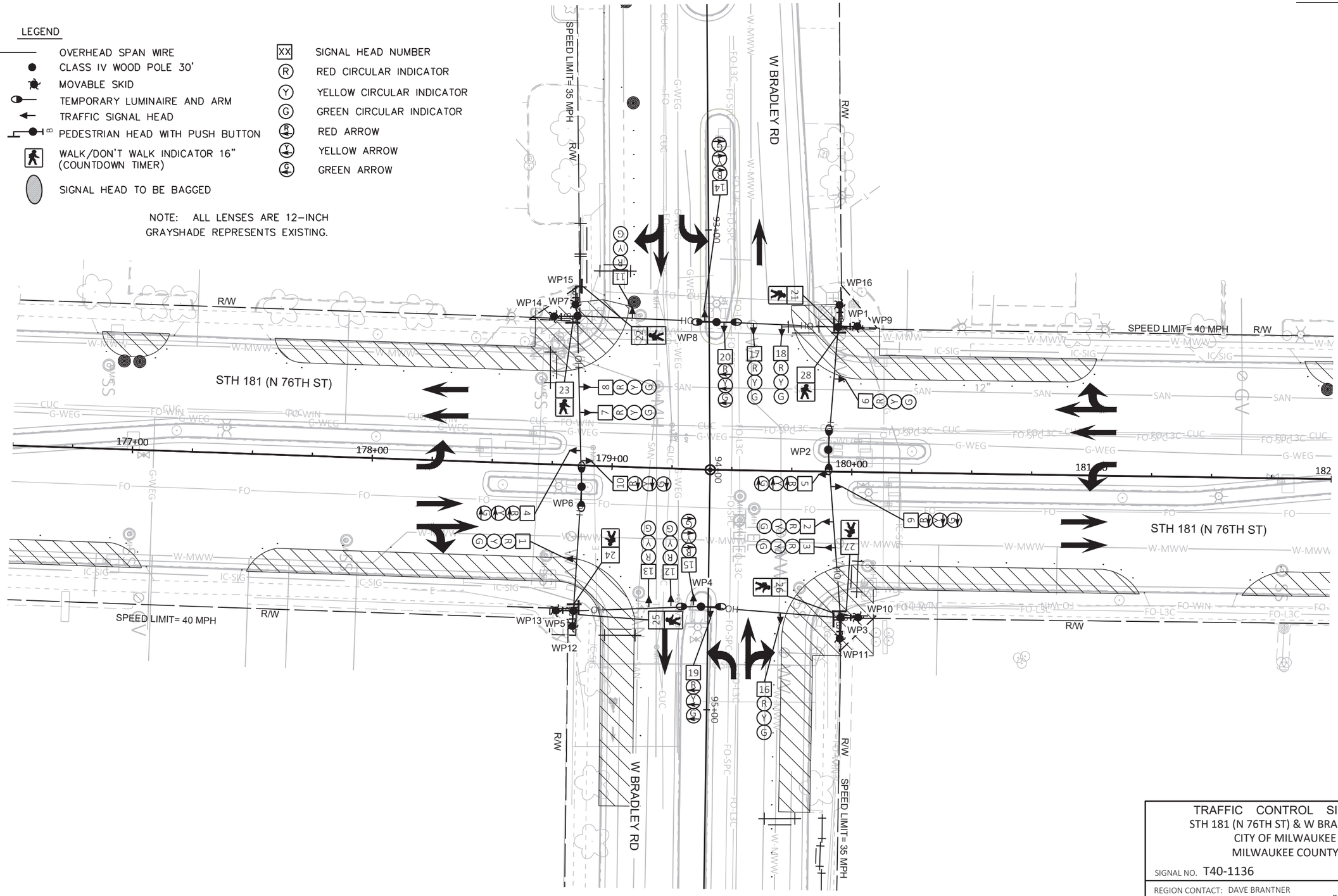
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LAYOUT NAME - T40-1136_pg1

PLOT DATE : 4/18/2025 1:23 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W BRADLEY RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1136

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 6 OF 8

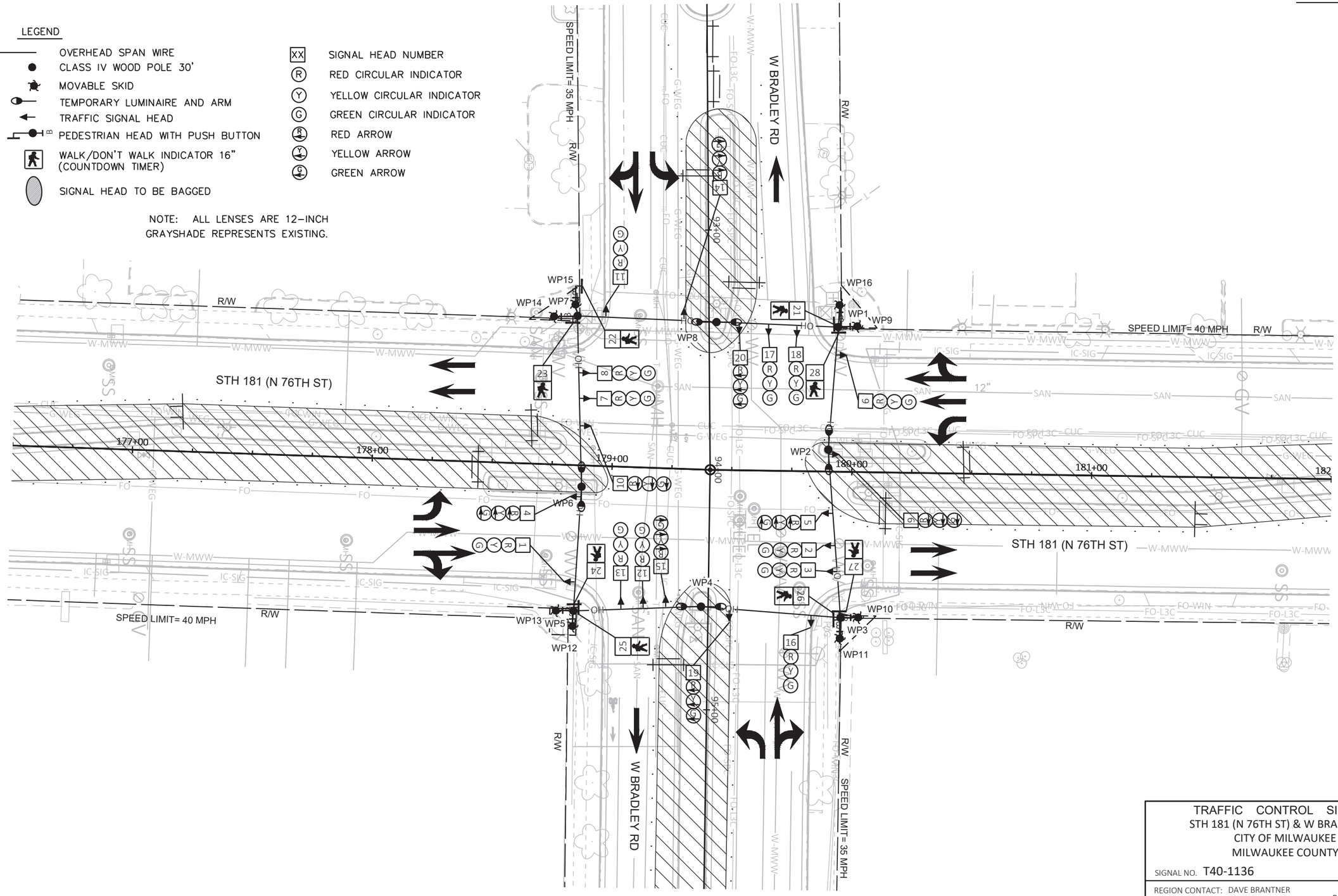
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LAYOUT NAME - T40-1136_pg1
PLOT DATE : 4/18/2025 1:23 PM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W BRADLEY RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1136

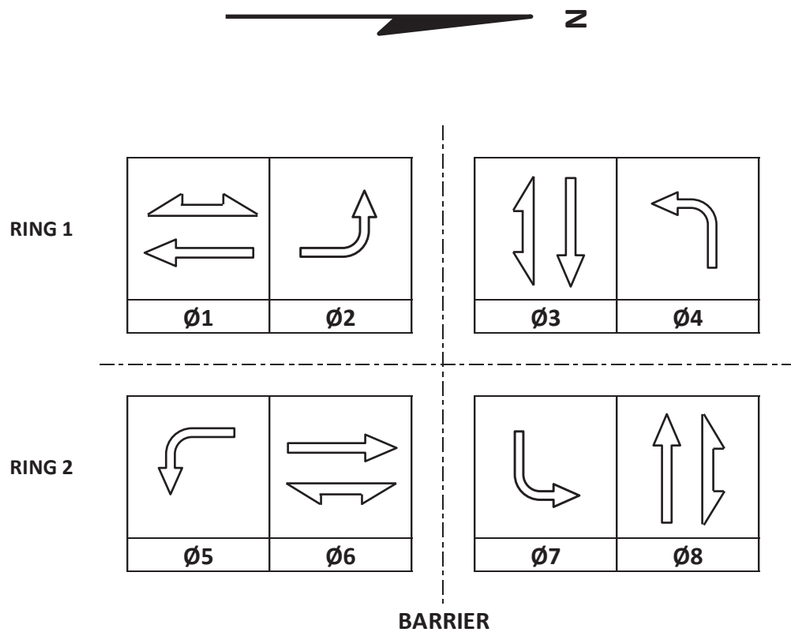
REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 7 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET 252	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\07-BRADLEY\T40-1136_BRADLEY_TEMP_STAGE_4B.DWG
LAYOUT NAME - T40-1136_pg1
PLOT DATE : 4/18/2025 1:23 PM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	6,7,8	R
Ø2	4,5	R ←
Ø3	11,12,13	R
Ø4P	19,20	R ←
Ø5	9,10	R ←
Ø6	1,2,3	R
Ø7	14,15	R ←
Ø8	16,17,18	R
Ø1P	21,22	
Ø3P	23,24	
Ø6P	25,26	
Ø8P	27,28	
OLE		
OLF		
OLG		
OLH		



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

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

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

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

CONTROLLER LOGIC

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

GENERAL NOTES:

1. PHASES 2 AND 5 ARE IN CONFLICT AND SHALL NOT RUN CONCURRENTLY.

2. PHASES 4 AND 7 ARE IN CONFLICT AND SHALL NOT RUN CONCURRENTLY.

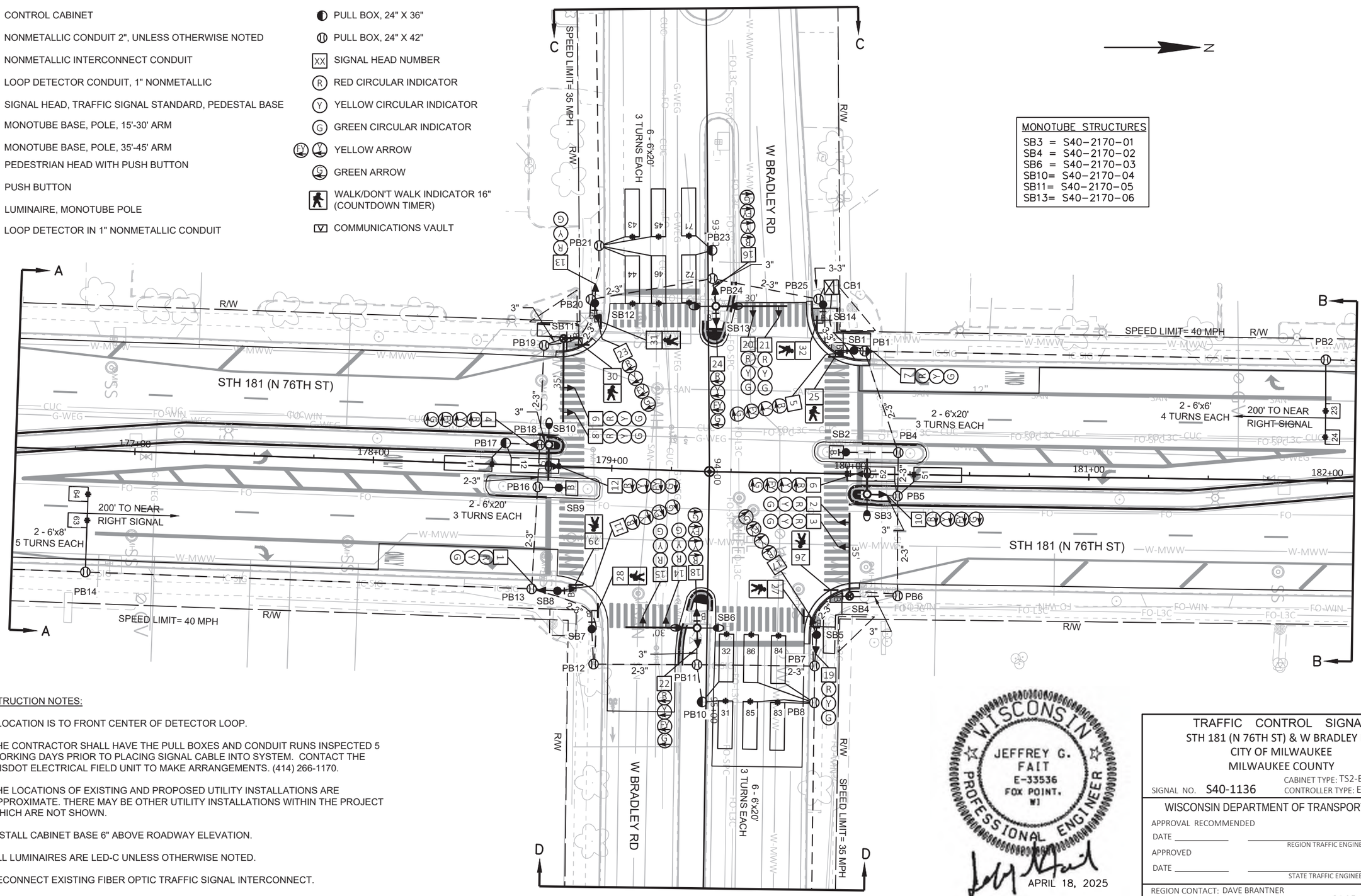
STH 181 (N 76TH ST) & BRADLEY RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: T40-1136 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 5/25 PAGE NUMBER: 8 OF 8

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-45' ARM
- B PEDESTRIAN HEAD WITH PUSH BUTTON
- B PUSH BUTTON
- LUMINAIRE, MONOTUBE POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT

MONOTUBE STRUCTURES
SB3 = S40-2170-01
SB4 = S40-2170-02
SB6 = S40-2170-03
SB10= S40-2170-04
SB11= S40-2170-05
SB13= S40-2170-06



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. RECONNECT EXISTING FIBER OPTIC TRAFFIC SIGNAL INTERCONNECT.

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W BRADLEY RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY
SIGNAL NO. S40-1136
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

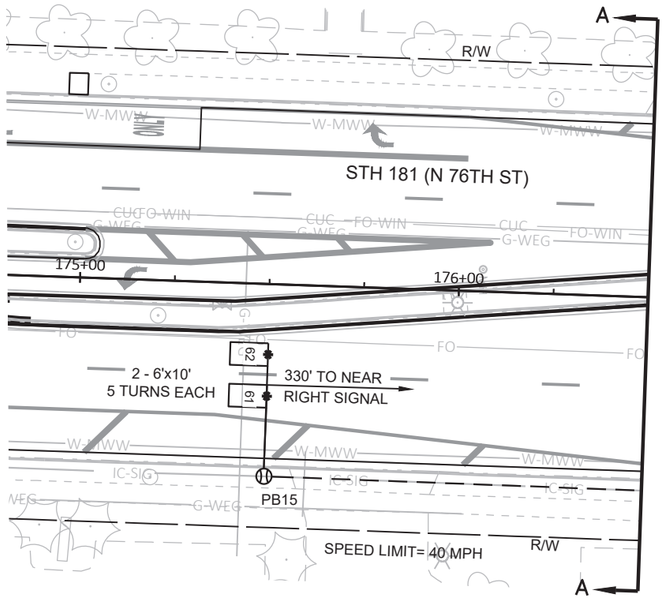
WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

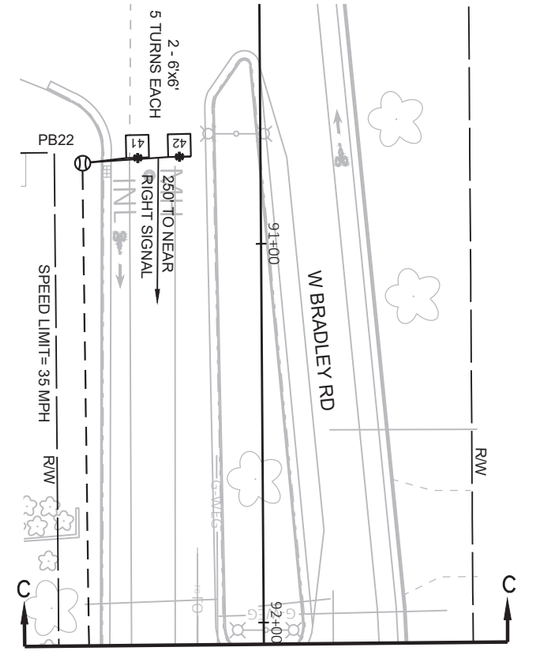
REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:
PAGE 1 OF 3

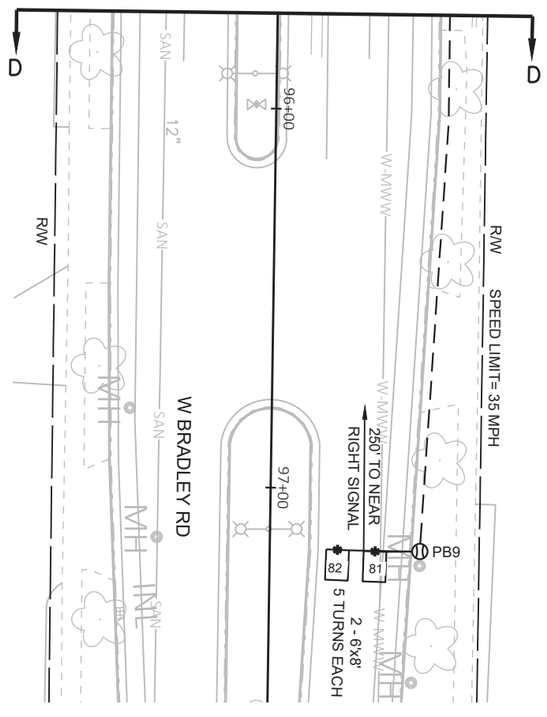
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 254	E

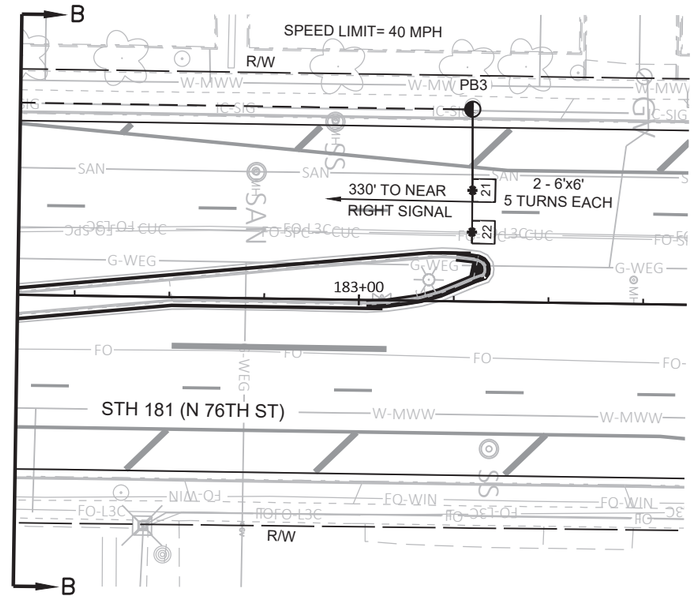
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LAYOUT NAME - S40-1136_pg1
PLOT DATE : 4/18/2025 7:19 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2









TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W BRADLEY RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1136

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

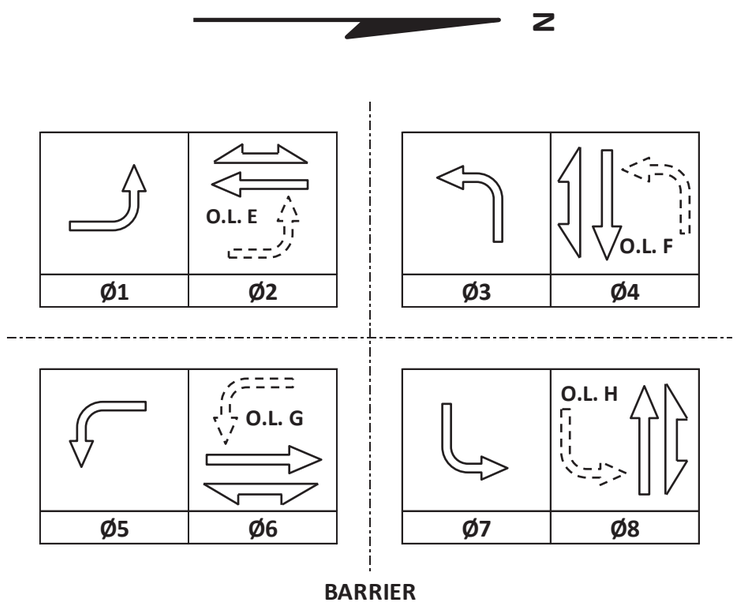
PAGE 2 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 255	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1136_BRADLEY_2140-14-70.DWG
LAYOUT NAME - S40-1136_pg2

PLOT DATE : 4/18/2025 7:20 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

	HEAD NUMBERS	FLASH
Ø1	4,5,6	R
Ø2	7,8,9	R
Ø3	22,23,24	R
Ø4	13,14,15	R
Ø5	10,11,12	R
Ø6	1,2,3	R
Ø7	16,17,18	R
Ø8	19,20,21	R
Ø2P	31,32	
Ø4P	29,30	
Ø6P	27,28	
Ø8P	25,26	
OLE	4,5,6	-
OLF	22,23,24	-
OLG	10,11,12	-
OLH	16,17,18	-



CONTROLLER LOGIC

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

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

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	0120

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	23	31	41	43	45	51
CALLED PHASE	1	2	2	3	4	4	4	5
CALL OPTION	X	X	X	X		X	X	X
DELAY TIME						X		
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME					X			
USE ADDED INITIAL		X	X					
CROSS SWITCH PHASE	2			4				6

DETECTOR INPUT	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	61	63	71	81	83	85		
CALLED PHASE	6	6	7	8	8	8		
CALL OPTION	X	X	X		X	X		
DELAY TIME					X			
EXTENTION OPTION	X	X	X	X	X	X		
EXTEND TIME				X				
USE ADDED INITIAL	X	X						
CROSS SWITCH PHASE			8					

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	22	24	32	42	44	46	52
CALLED PHASE	1	2	2	3	4	4	4	5
CALL OPTION	X	X	X	X		X	X	X
DELAY TIME						X		
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME					X			
USE ADDED INITIAL		X	X					
CROSS SWITCH PHASE	2			4				6

DETECTOR INPUT	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)	62	64	72	82	84	86		
CALLED PHASE	6	6	7	8	8	8		
CALL OPTION	X	X	X		X	X		
DELAY TIME					X			
EXTENTION OPTION	X	X	X	X	X	X		
EXTEND TIME				X				
USE ADDED INITIAL	X	X						
CROSS SWITCH PHASE			8					

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

STH 181 (N 76TH ST) & BRADLEY RD

CITY OF MILWAUKEE

MILWAUKEE COUNTY

SIGNAL NO: S40-1136 CABINET TYPE: TS2-E

CONTROLLER TYPE: ECONOLITE

DATE: 5/25 PAGE NUMBER: 3 OF 3

PROJECT ID:	2140-14-70
INTERSECTION:	STH 181 AT BRADLEY RD

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

CB1 TO	JUMPER	# OF COND. AWG 14	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	PED BUTTON 2
				RED	YELLOW	GREEN	<RED	<YELLOW>	<FL YELLOW>	<GREEN>	D/WALK	WALK		
SB1		15	5				RED	ORG	BLK/WHT	GRN				
			7	RED/BLK	ORG/BLK	GRN/BLK								
			25								BLK	BLU		
			B										WHT/BLK	
SB2		7	B										WHT/BLK	
SB3		12	6				RED	ORG	BLK/WHT	GRN				
			10				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK				
SB4		12	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
			26								BLK	BLU		
			B										WHT/BLK	
SB5		15	17				RED	ORG	BLK/WHT	GRN				
			19	RED/BLK	ORG/BLK	GRN/BLK								
			27								BLK	BLU		
			B										WHT/BLK	
SB6		15	14	RED	ORG	GRN								
			15	RED	ORG	GRN								
			18				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK				
			22				RED/WHT	BLU/WHT	BLK/WHT	GRN/WHT				
			B										WHT/BLK	
SB7		7	28								BLK	BLU		
			B										WHT/BLK	
SB8		15	1	RED	ORG	GRN								
			11				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			29								BLK	BLU		
			B										WHT/BLK	
SB9		7	B										WHT/BLK	
SB10		12	4				RED	ORG	BLK/WHT	GRN				
			12				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK				
SB11		12	8	RED	ORG	GRN								
			9	RED	ORG	GRN								
			30								BLK	BLU		
			B										WHT/BLK	
SB12		15	13	RED	ORG	GRN								
			23				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			31								BLK	BLU		
			B										WHT/BLK	
SB13		15	16				RED	ORG	BLK/WHT	GRN				
			24				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK				
			B										WHT/BLK	
			20	RED/WHT	BLU/WHT	GRN/WHT								
			21	RED/WHT	BLU/WHT	GRN/WHT								
SB14		7	32								BLK	BLU		
			B										WHT/BLK	

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	SB12
SB12	SB13
SB13	SB14
SB14	CB1

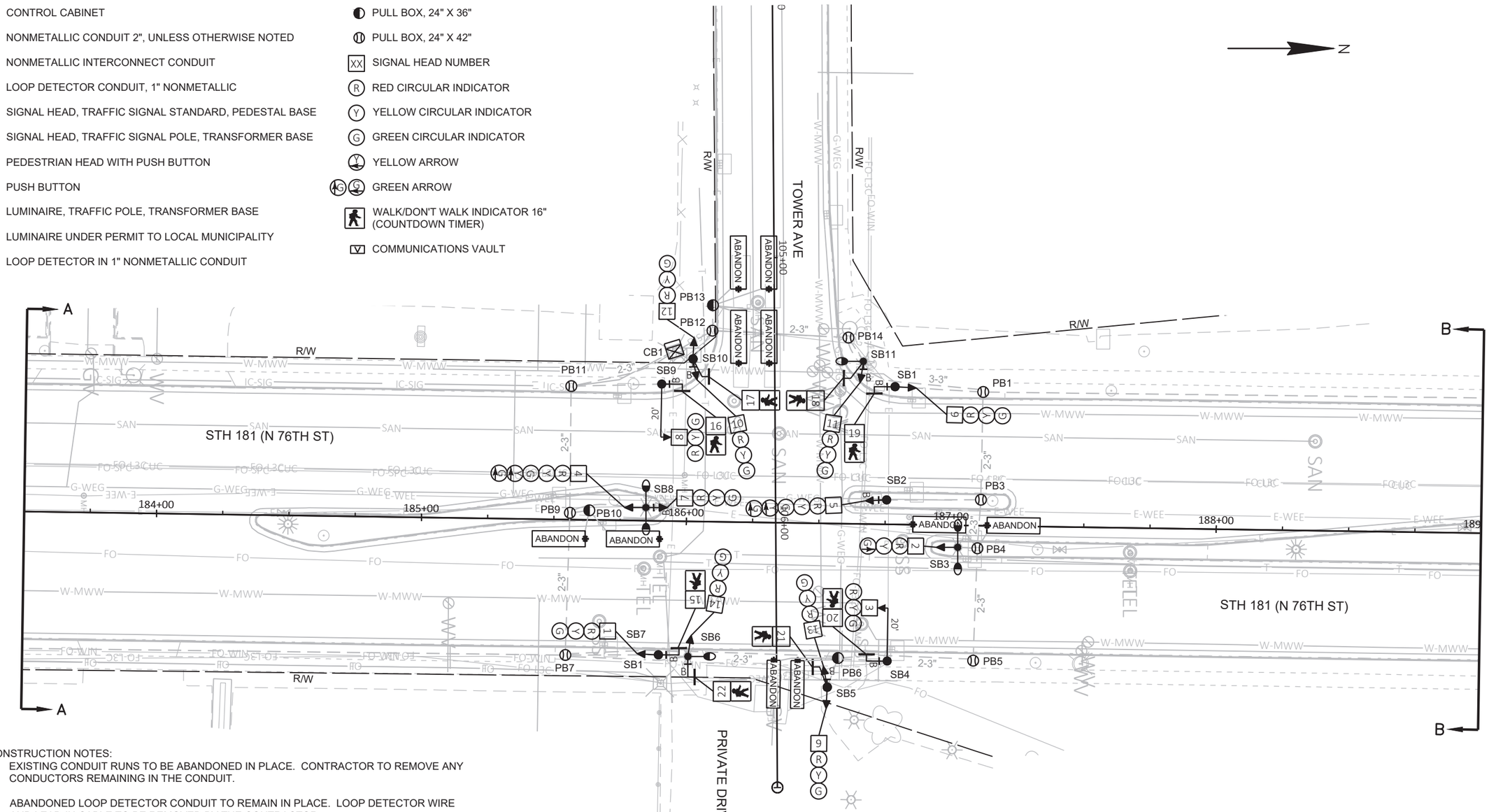
PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
SB1	PB1
SB2	PB4
SB3	PB5
SB4	PB6
SB5	PB7
SB6	PB11
SB7	PB12
SB8	PB13
SB9	PB16
SB10	PB18
SB11	PB19
SB12	PB20
SB13	PB24
CB1	PB25

LIGHTING UF 12 AWG W/GROUND	
FROM	TO
CB1	SB3
SB3	SB6
CB1	SB13
SB13	SB10

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

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- V COMMUNICATIONS VAULT



CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED C UNLESS OTHERWISE NOTED.
6. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.
7. DISCONNECT EXISTING FIBER OPTIC COMMUNICATIONS AND PULL CABLES BACK TO NEAREST UNDISTURBED VAULT OR PULL BOX.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & TOWER AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1178

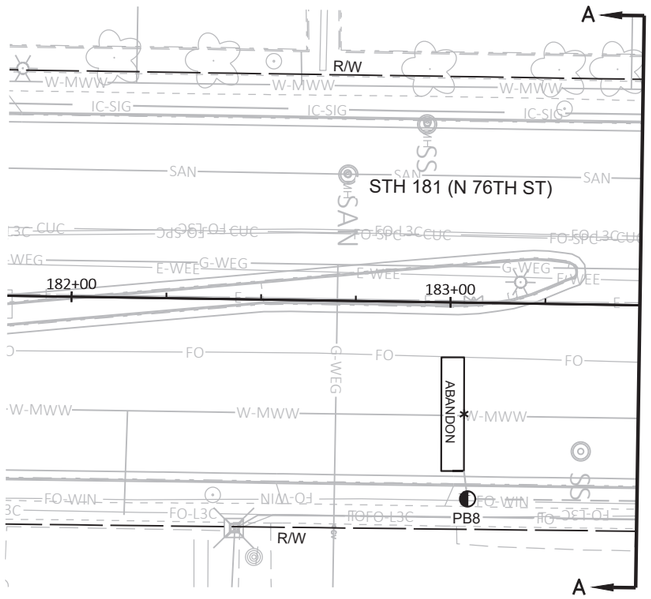
REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

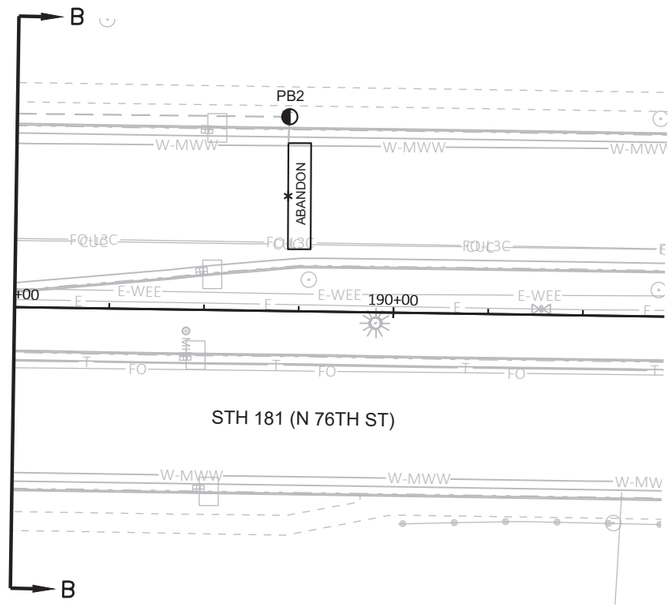
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 258	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\REMOVALS\S40-1178_REM_TOWER_2140-14-70.DWG
LAYOUT NAME - S40-1178_rem_pg1
PLOT DATE : 4/18/2025 3:13 PM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

N





TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & TOWER AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1178

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 259	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\REMOVALS\S40-1178_REM_TOWER_2140-14-70.DWG
LAYOUT NAME - S40-1178_rem_pg2

PLOT DATE : 4/18/2025 3:13 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

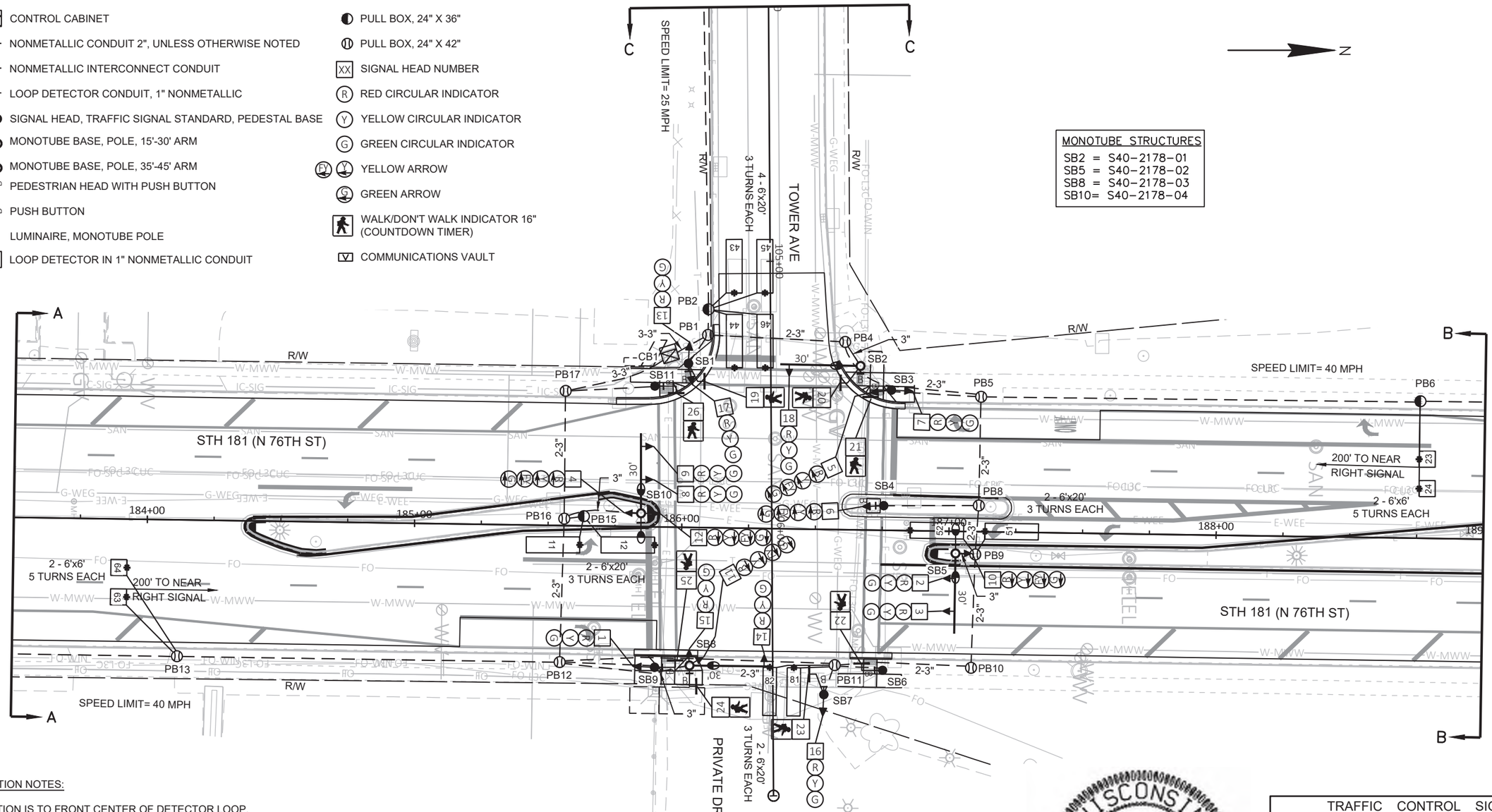
2

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, MONOTUBE POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY Y YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- V COMMUNICATIONS VAULT

MONOTUBE STRUCTURES
SB2 = S40-2178-01
SB5 = S40-2178-02
SB8 = S40-2178-03
SB10= S40-2178-04



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. RECONNECT EXISTING FIBER OPTIC TRAFFIC SIGNAL INTERCONNECT.

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W TOWER AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1178
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

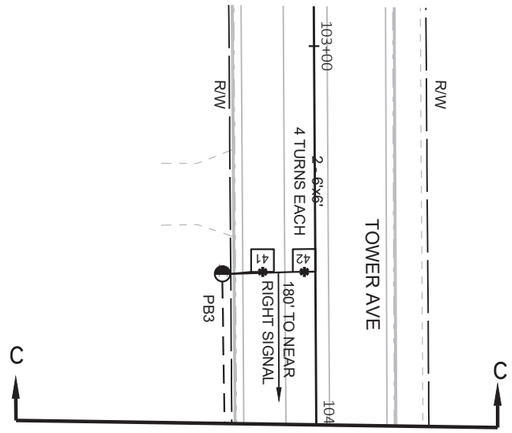
APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

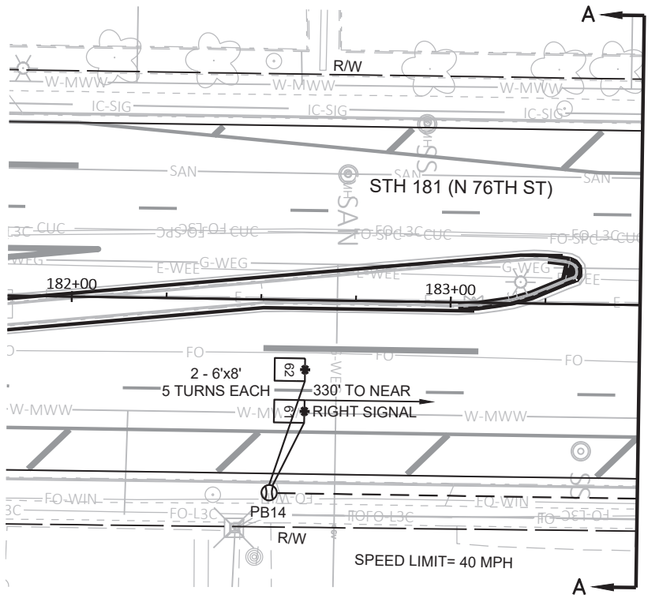
REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

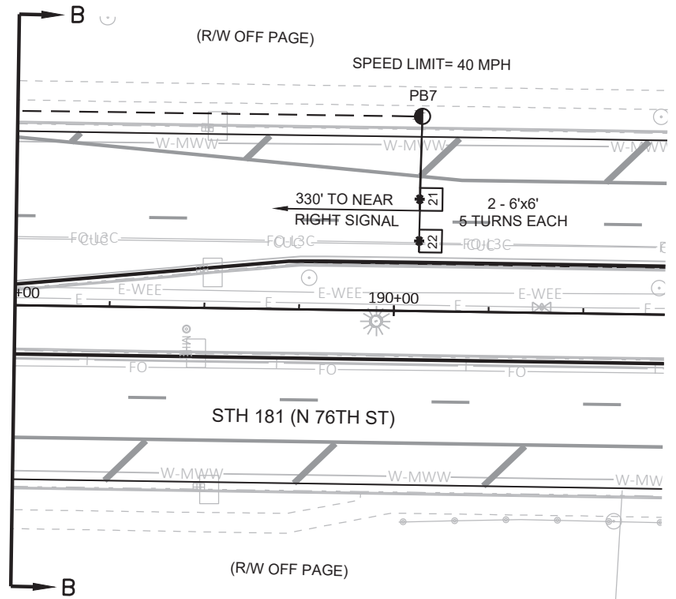
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 260	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1178_TOWER_2140-14-70.DWG
LAYOUT NAME - S40-1178_pg1
PLOT DATE : 4/18/2025 7:26 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2







TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W TOWER AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1178

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 261	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1178_TOWER_2140-14-70.DWG
LAYOUT NAME - S40-1178_pg2
PLOT DATE : 4/18/2025 11:45 AM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

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

N

RING 1

Ø1	Ø2	Ø3	Ø4
	O.L. E	NOT USED	

RING 2

Ø5	Ø6	Ø7	Ø8
	O.L. G	NOT USED	

BARRIER

CONTROLLER LOGIC

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

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

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	0120

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

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)	11	21	23	41	43	45	51	61	63	81							PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	4	6	6	6	8							CALLED PHASE
CALL OPTION	X	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	X	X							EXTENTION OPTION
EXTEND TIME				X													EXTEND TIME
USE ADDED INITIAL		X	X					X	X								USE ADDED INITIAL
CROSS SWITCH PHASE	2																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)	12	22	24	42	44	46	52	62	64	82							PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	4	6	6	6	8							CALLED PHASE
CALL OPTION	X	X	X		X	X	X	X	X	X							CALL OPTION
DELAY TIME					X	X				X							DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X							EXTENTION OPTION
EXTEND TIME				X													EXTEND TIME
USE ADDED INITIAL		X	X					X	X								USE ADDED INITIAL
CROSS SWITCH PHASE	2																CROSS SWITCH PHASE

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

GENERAL NOTES:

1. PHASE 5 IS OMITTED 24/7.

STH 181 (N 76TH ST) & TOWER AVE
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: S40-1178 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 5/25 PAGE NUMBER: 3 OF 3

PROJECT ID:	2140-14-70
INTERSECTION:	STH 181 AT TOWER AVE

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

CB1 TO	JUMPER	# OF COND. AWG 14	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	PED BUTTON 2
				RED	YELLOW	GREEN	<RED	<YELLOW>	<FL YELLOW>	<GREEN>	D/WALK	WALK		
SB1		12	13	RED	ORG	GRN								
			12	RED/BLK	ORG/BLK	GRN/BLK								
			19								BLK	BLU		
			B										WHT/BLK	
SB2		12	18	RED	ORG	GRN								
			20								BLK	BLU		
			B										WHT/BLK	
SB3		15	5				RED	ORG	BLK/WHT	GRN				
			7	RED/BLK	ORG/BLK	GRN/BLK								
			21								BLK	BLU		
			B										WHT/BLK	
SB4		12	6				RED	ORG	BLK/WHT	GRN				
			B										WHT/BLK	
SB5		12	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
			10				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
SB6		7	22								BLK	BLU		
			B										WHT/BLK	
SB7		12	16	RED	ORG	GRN								
			23								BLK	BLU		
			B										WHT/BLK	
SB8		15	14	RED	ORG	GRN								
			15	RED	ORG	GRN								
			11				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			24								BLK	BLU		
			B										WHT/BLK	
SB9		12	1	RED	ORG	GRN								
			25								BLK	BLU		
			B										WHT/BLK	
SB10		15	8	RED/BLK	ORG/BLK	GRN/BLK								
			9	RED/BLK	ORG/BLK	GRN/BLK								
			12				RED/WHT	BLU/WHT	BLU/BLK	GRN/WHT				
			4				RED	ORG	BLK/WHT	GRN				
SB11		7	26								BLK	BLU		
			B										WHT/BLK	

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

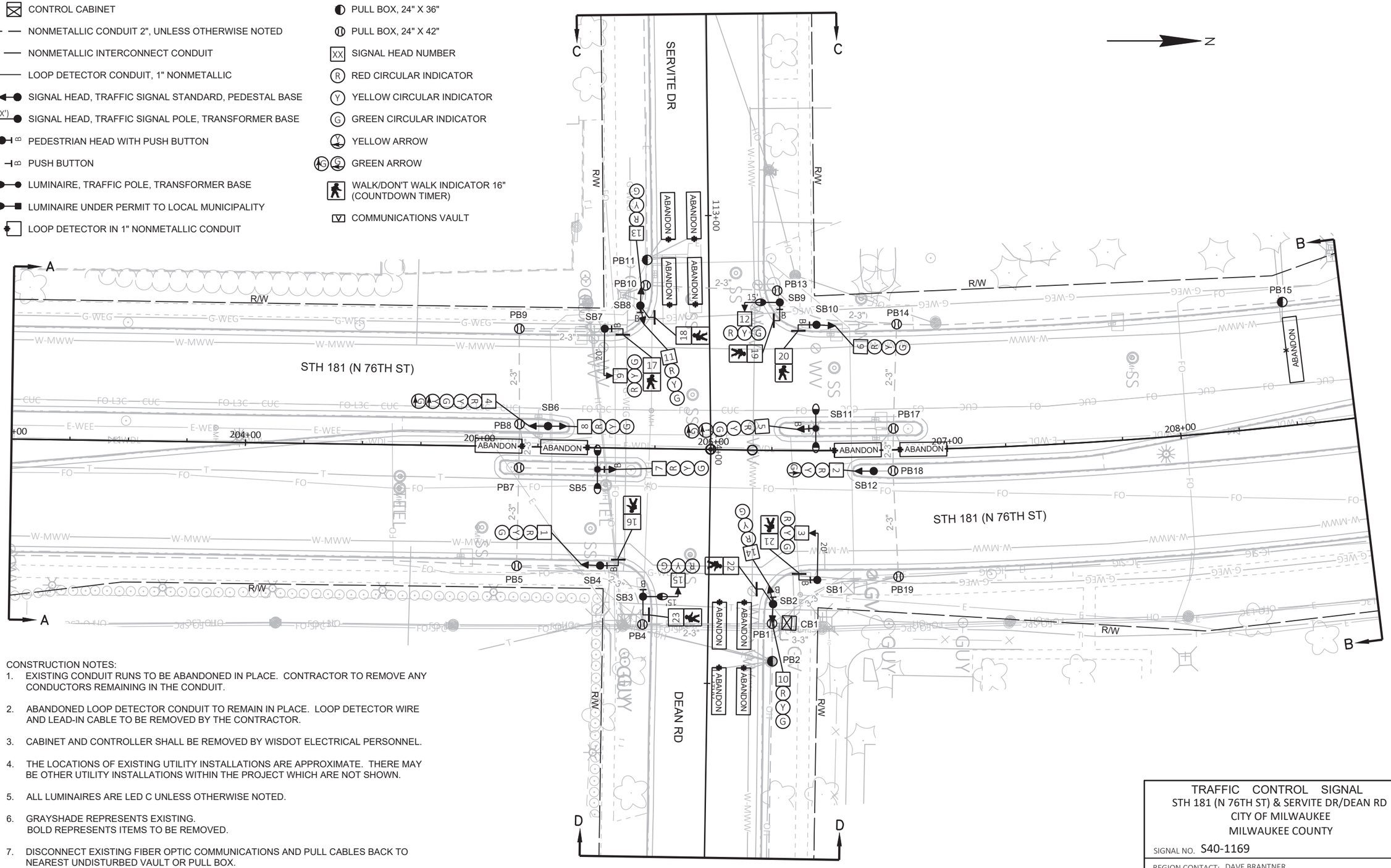
PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
SB1	PB1
SB2	PB4
SB3	PB5
SB4	PB8
SB5	PB9
SB6	PB10
SB7	PB11
SB8	PB12
SB9	PB16
CB1	PB17

LIGHTING UF 12 AWG W/GROUND	
FROM	TO
CB1	SB2
SB2	SB5
CB1	SB10
SB10	SB8

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

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- AG G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- V COMMUNICATIONS VAULT



CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED C UNLESS OTHERWISE NOTED.
6. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.
7. DISCONNECT EXISTING FIBER OPTIC COMMUNICATIONS AND PULL CABLES BACK TO NEAREST UNDISTURBED VAULT OR PULL BOX.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & SERVITE DR/DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1169

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 1 OF 2

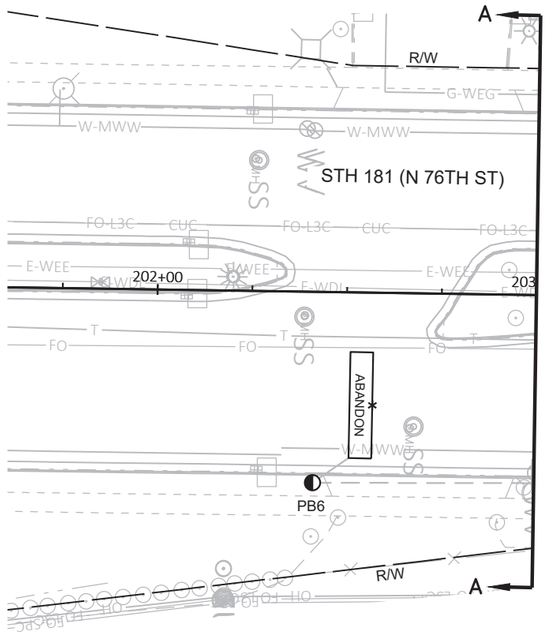
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 264	E

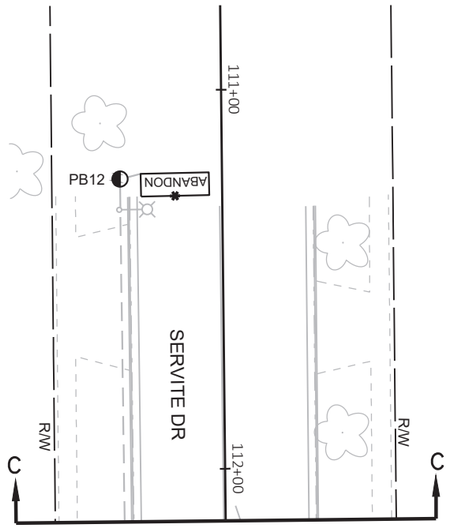
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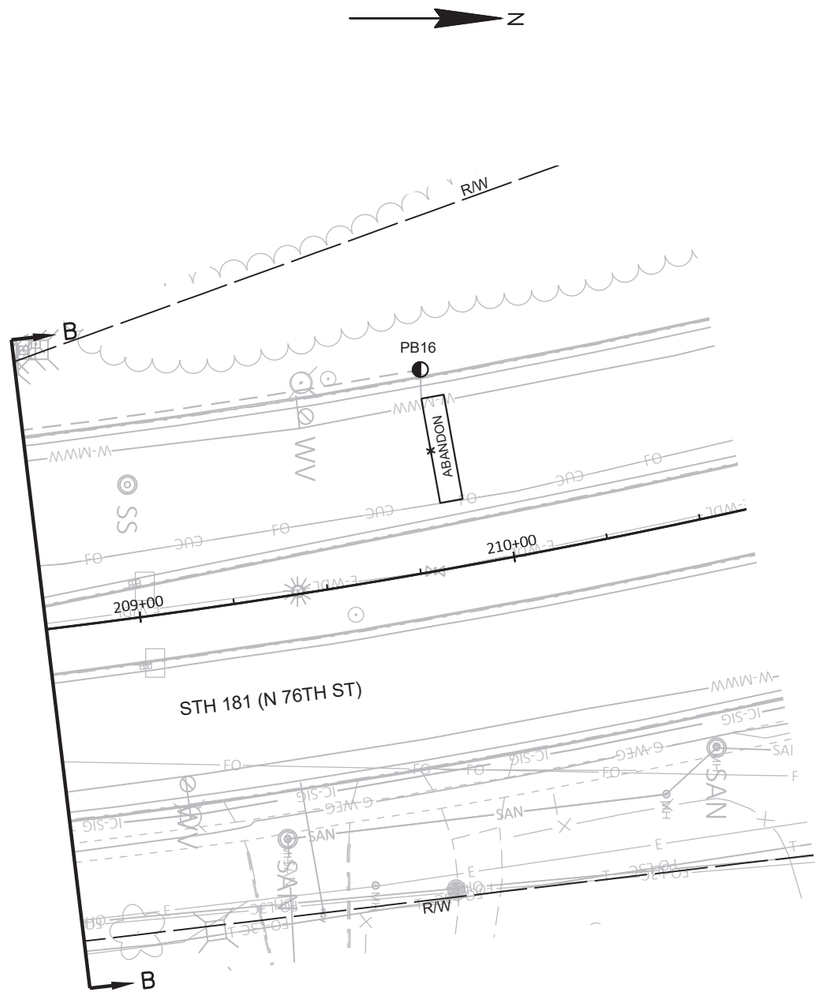
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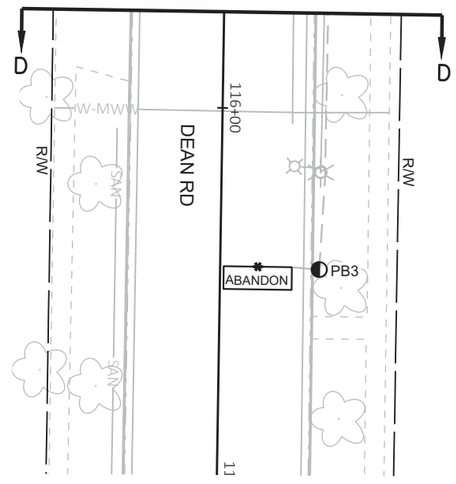
WISDOT/CADDS SHEET 42

2









TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & SERVITE DR/DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1169

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 265	E

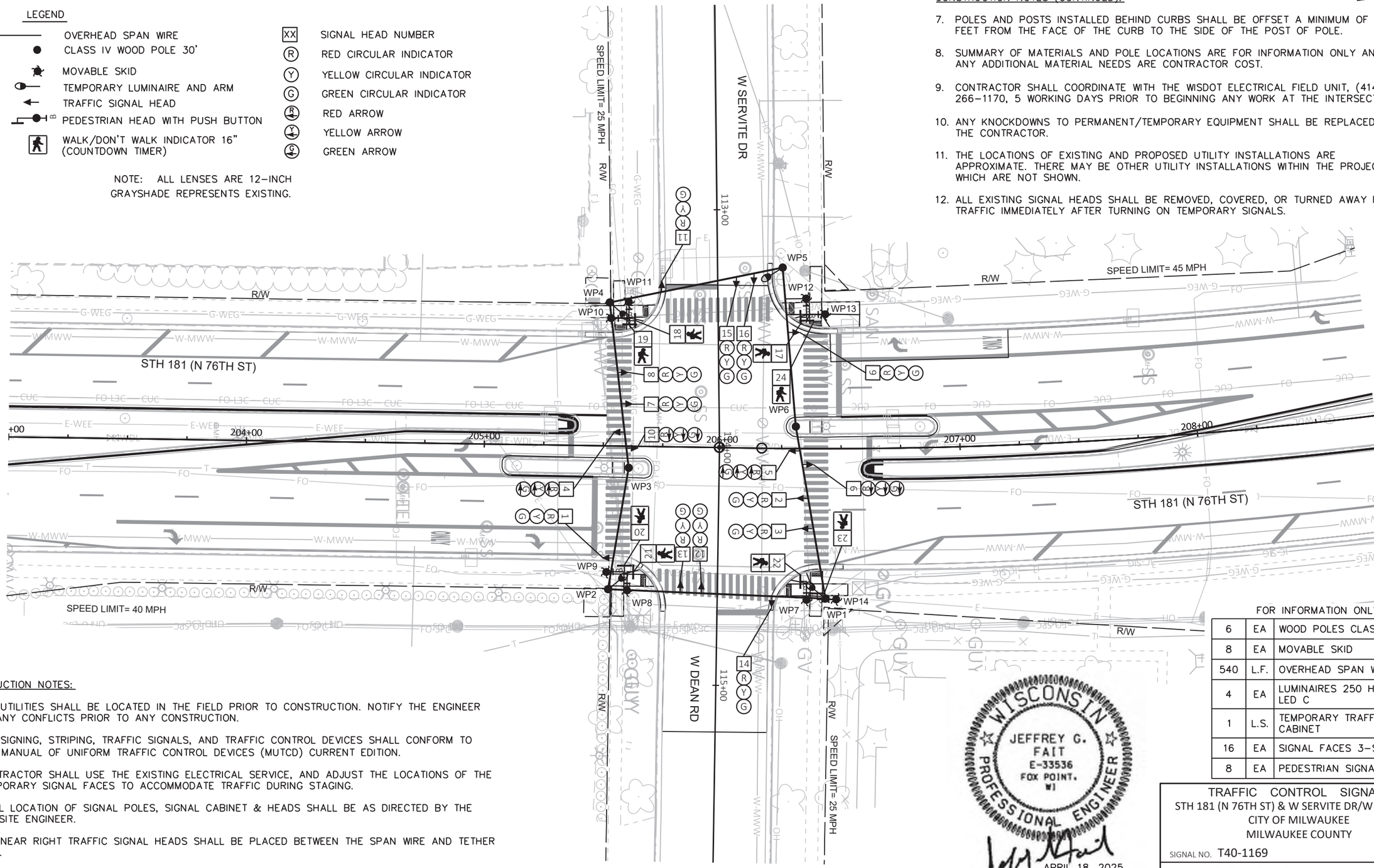
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LAYOUT NAME - S40-1169_rem_pg2

PLOT DATE : 4/18/2025 3:12 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES (CONTINUED):

7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OF POLE.
8. SUMMARY OF MATERIALS AND POLE LOCATIONS ARE FOR INFORMATION ONLY AND ANY ADDITIONAL MATERIAL NEEDS ARE CONTRACTOR COST.
9. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266–1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
10. ANY KNOCKDOWNS TO PERMANENT/TEMPORARY EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
11. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
12. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION.
2. ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
3. CONTRACTOR SHALL USE THE EXISTING ELECTRICAL SERVICE, AND ADJUST THE LOCATIONS OF THE TEMPORARY SIGNAL FACES TO ACCOMMODATE TRAFFIC DURING STAGING.
4. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ON–SITE ENGINEER.
5. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ON–SITE ENGINEER.

FOR INFORMATION ONLY

6	EA	WOOD POLES CLASS 4
8	EA	MOVABLE SKID
540	L.F.	OVERHEAD SPAN WIRE
4	EA	LUMINAIRES 250 HPS OR LED C
1	L.S.	TEMPORARY TRAFFIC SIGNAL CABINET
16	EA	SIGNAL FACES 3–SECTION
8	EA	PEDESTRIAN SIGNAL HEAD

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W SERVITE DR/W DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1169

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 1 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-STAGE	SHEET 266	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\09-SERVITE-DEAN\S40-1169_SERVITE-DEAN_TEMP_PRESTAGE.DWG
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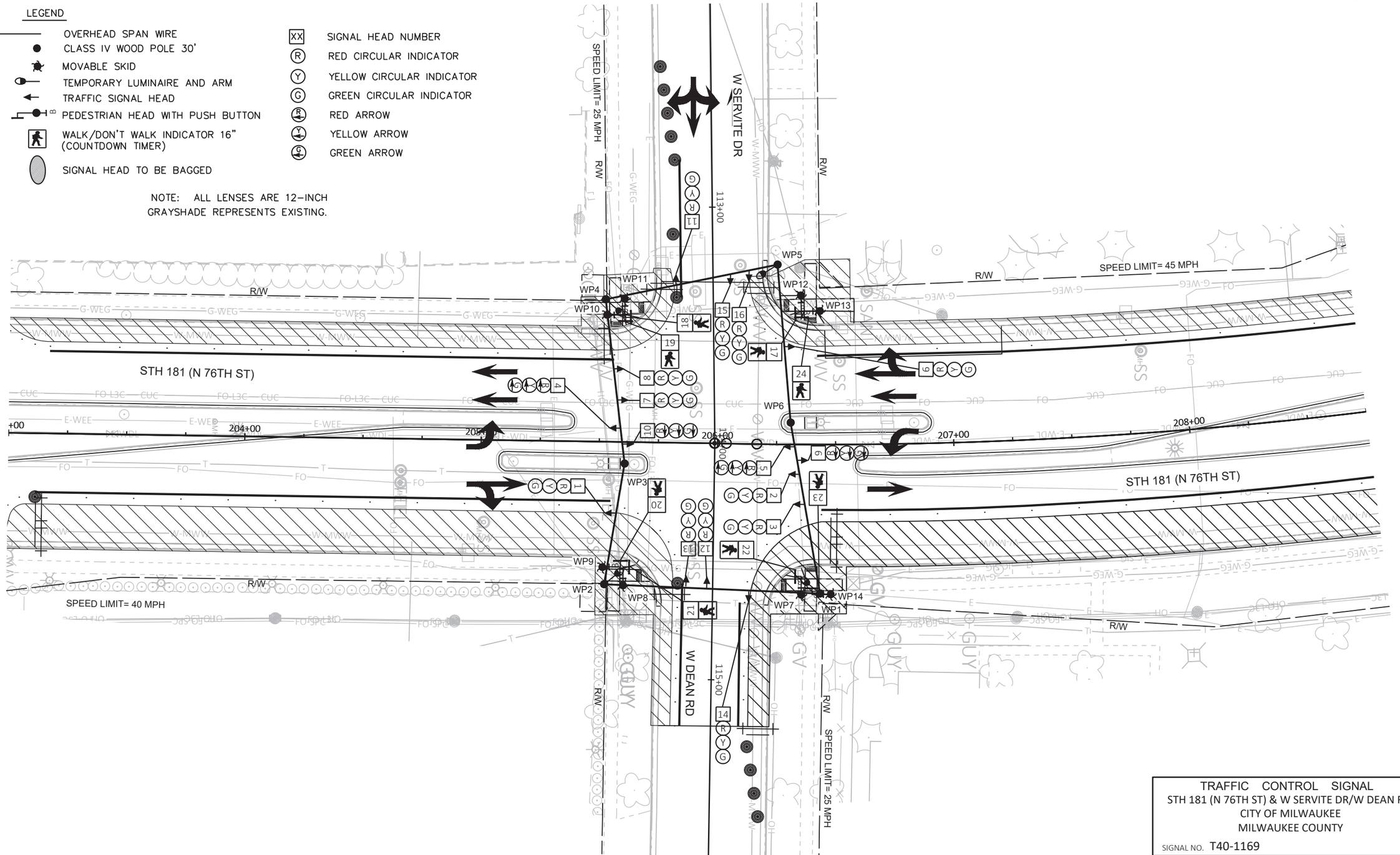
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N

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W SERVITE DR/W DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1169

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 267	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\09-SERVITE-DEAN\S40-1169_SERVITE-DEAN_TEMP_STAGE_1.DWG
LAYOUT NAME - T40-1169_pg1

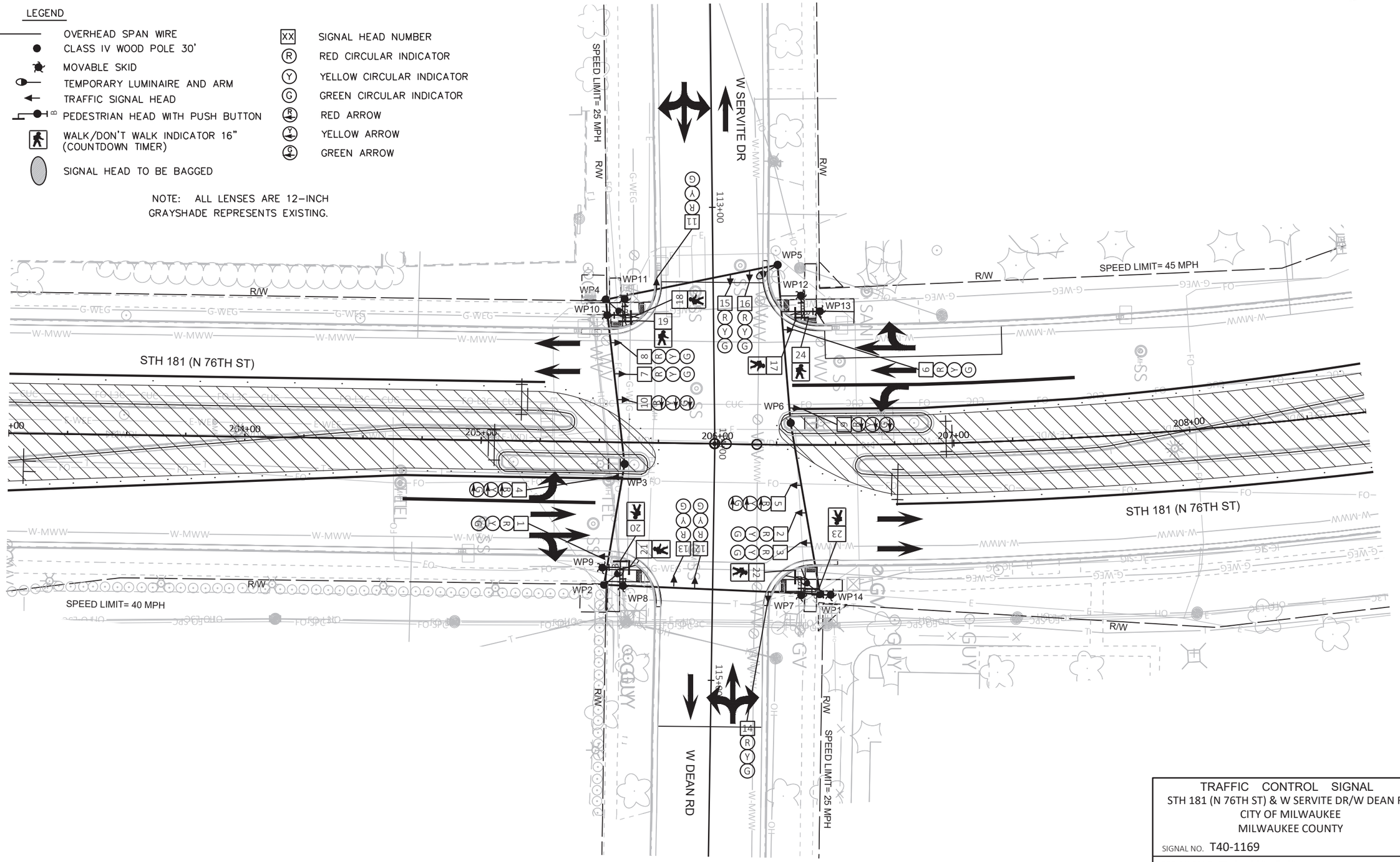
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2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W SERVITE DR/W DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1169

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 268	E

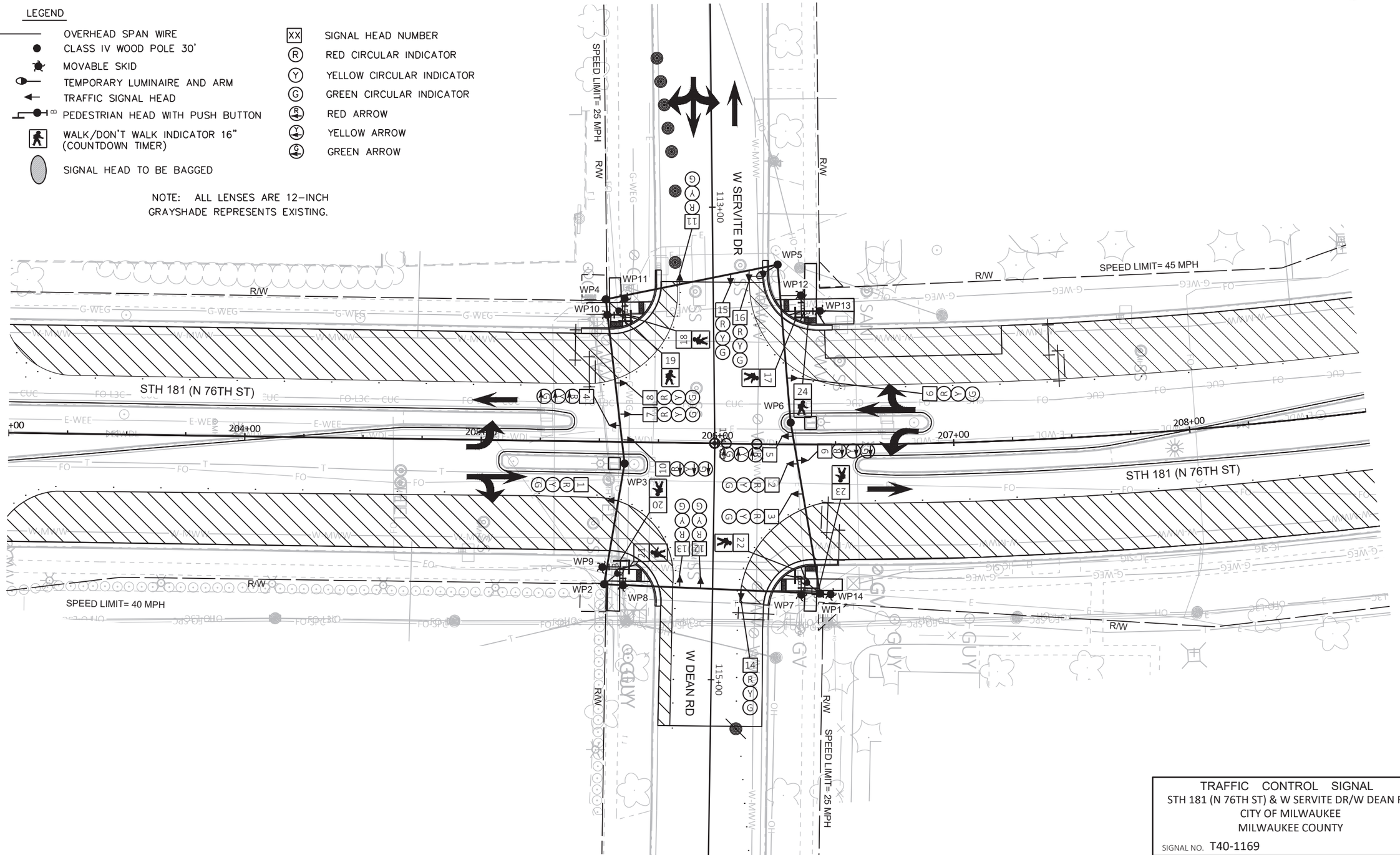
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PLOT DATE : 4/18/2025 1:40 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W SERVITE DR/W DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1169

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 4 OF 8

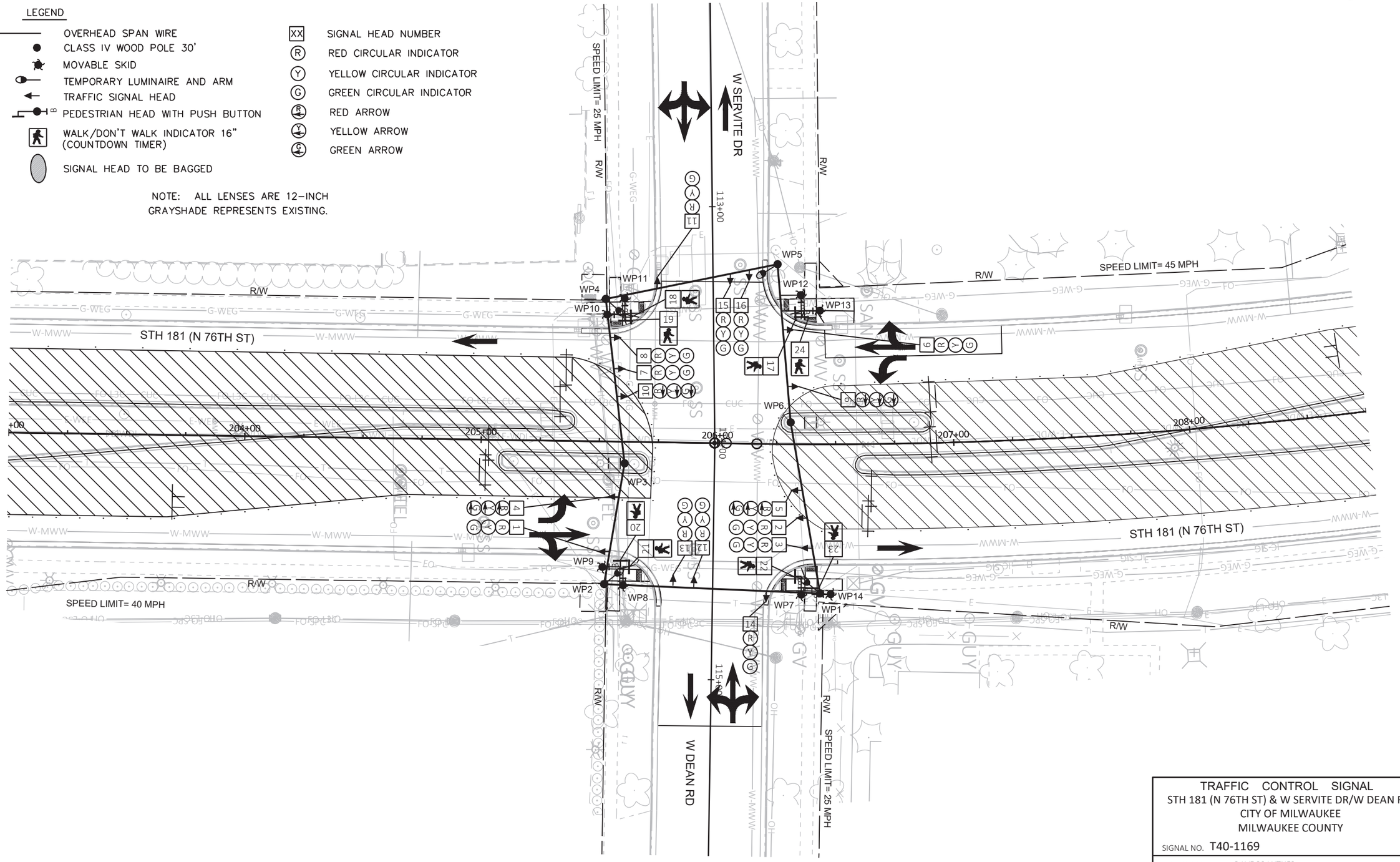
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PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W SERVITE DR/W DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1169

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3B	SHEET 270	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\09-SERVITE-DEAN\S40-1169_SERVITE-DEAN_TEMP_STAGE_3B.DWG
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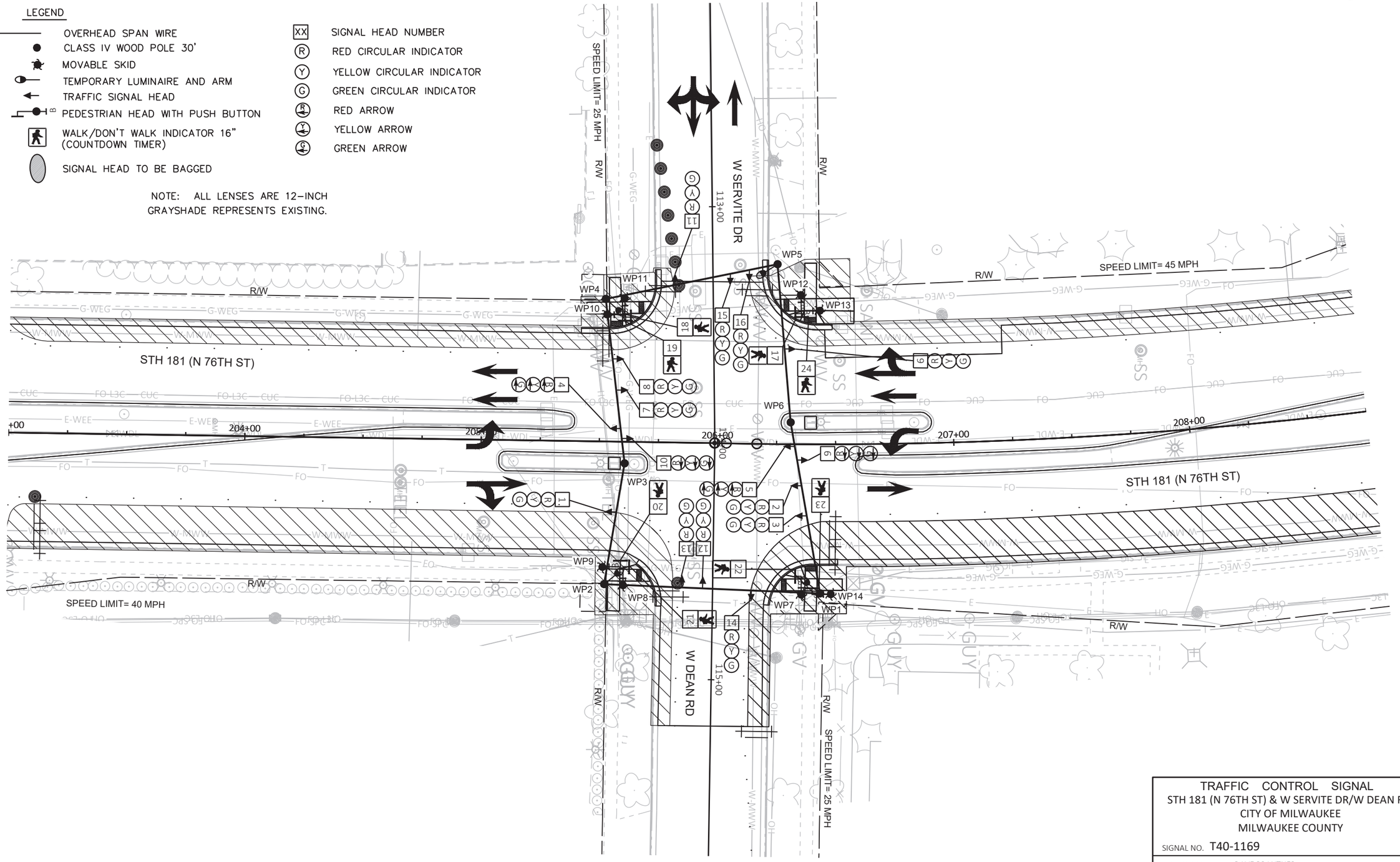
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N

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W SERVITE DR/W DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1169

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET 271	E

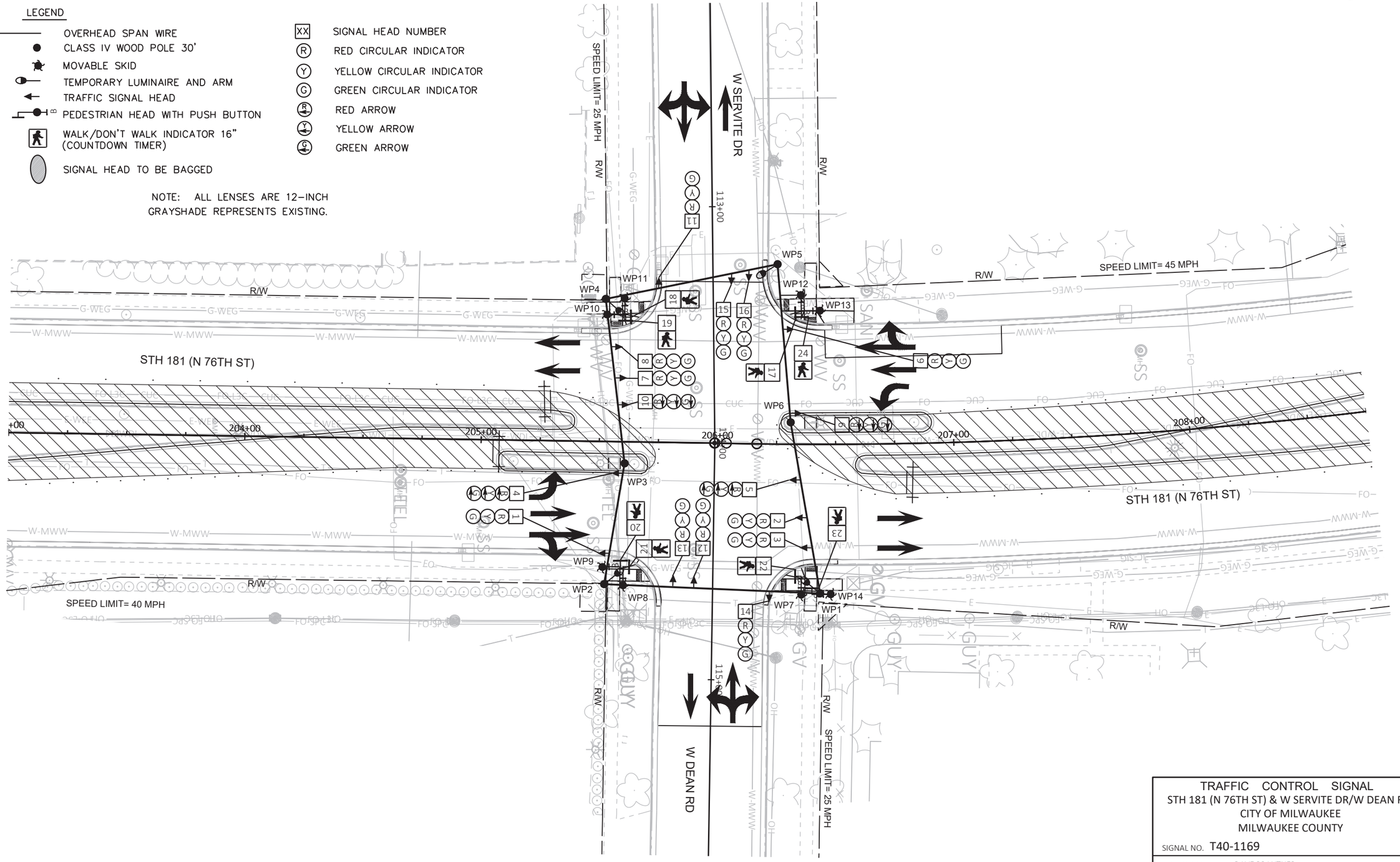
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LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W SERVITE DR/W DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1169

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

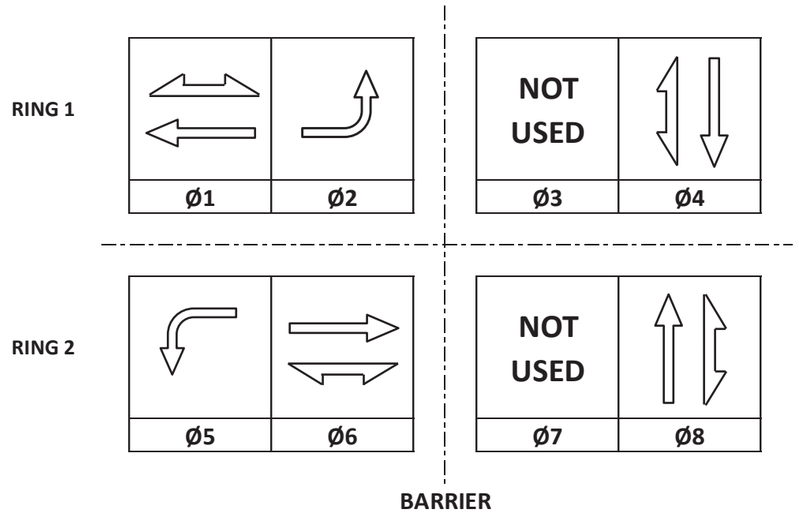
PAGE 7 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET 272	E

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LAYOUT NAME - T40-1169_pg1
PLOT DATE : 4/18/2025 1:41 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	6,7,8	R
Ø2	4,5	R ←
Ø3		
Ø4	11,12,13	R
Ø5	9,10	R ←
Ø6	1,2,3	R
Ø7		
Ø8	14,15,16	R
Ø1P	17,18	
Ø4P	19,20	
Ø6P	21,22	
Ø8P	23,24	
OLE		
OLF		
OLG		
OLH		

N



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

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

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

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

CONTROLLER LOGIC

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

GENERAL NOTES:

1. PHASES 2 AND 5 ARE IN CONFLICT AND SHALL NOT RUN CONCURRENTLY.

STH 181 (N 76TH ST) & W SERVITE DR/W DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

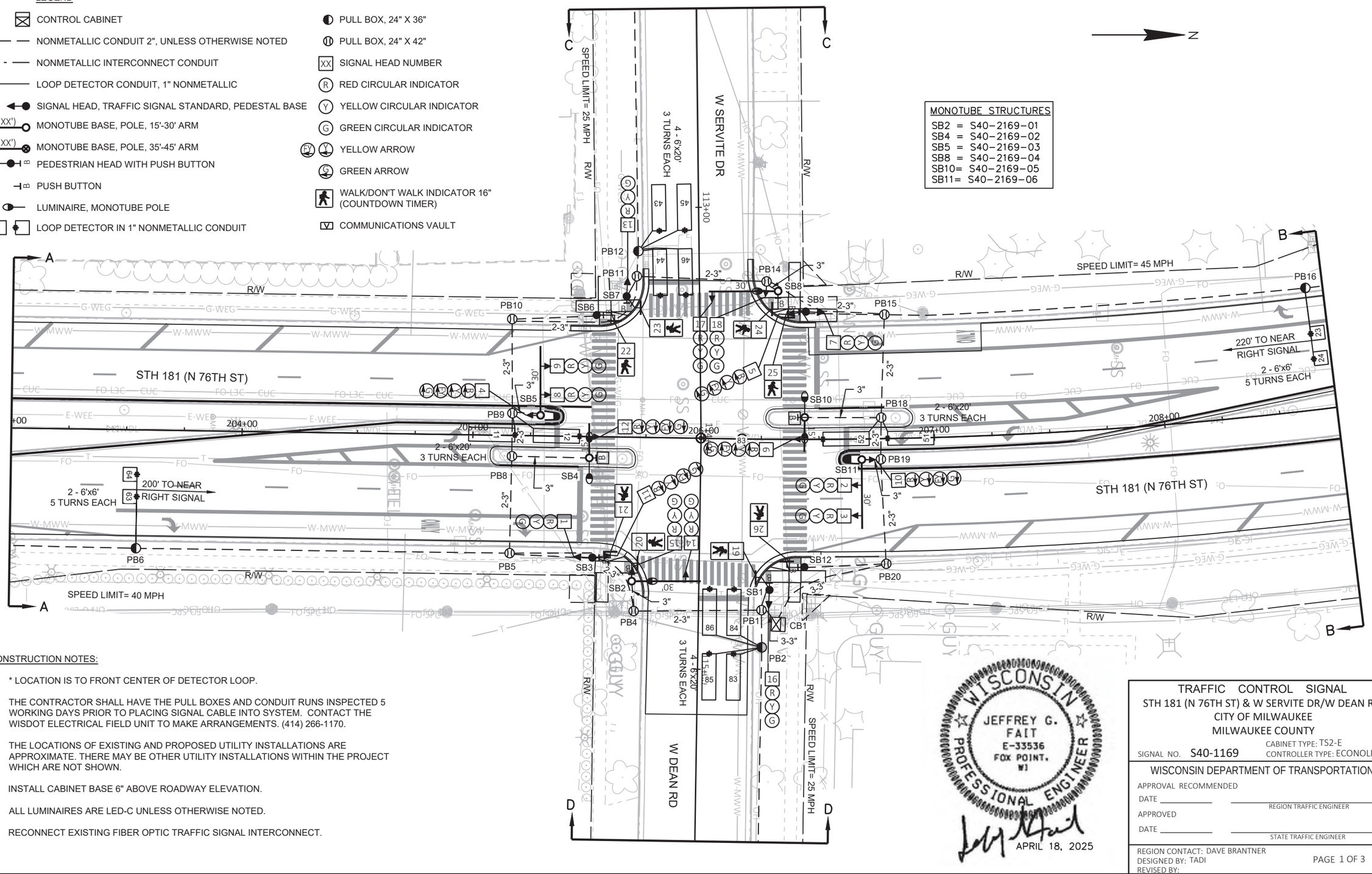
SIGNAL NO: T40-1169 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 5/25 PAGE NUMBER: 8 OF 8

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, MONOTUBE POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- EY YELLOW ARROW
- G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- V COMMUNICATIONS VAULT

MONOTUBE STRUCTURES

SB2 = S40-2169-01
SB4 = S40-2169-02
SB5 = S40-2169-03
SB8 = S40-2169-04
SB10= S40-2169-05
SB11= S40-2169-06



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. RECONNECT EXISTING FIBER OPTIC TRAFFIC SIGNAL INTERCONNECT.

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W SERVITE DR/W DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1169
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

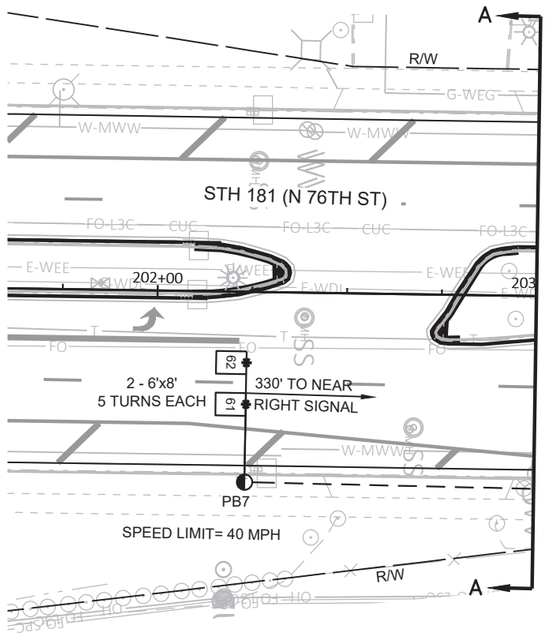
WISCONSIN DEPARTMENT OF TRANSPORTATION

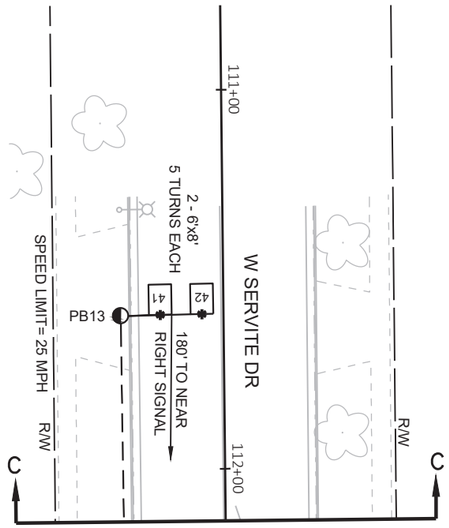
APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

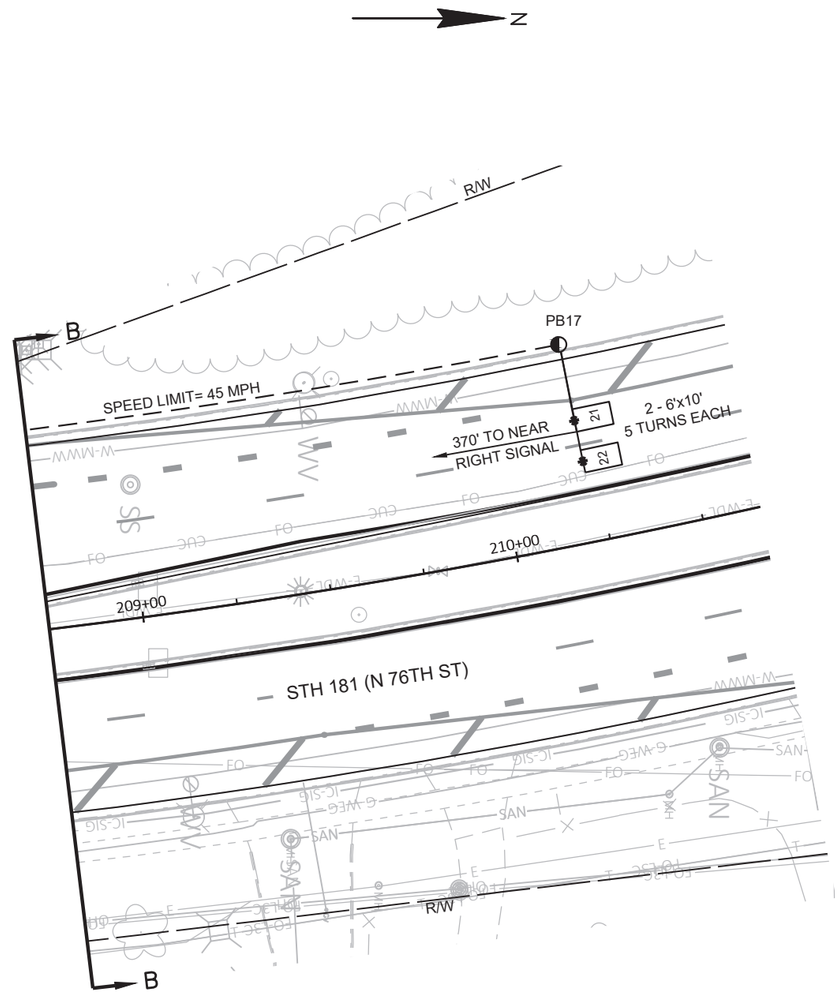
REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

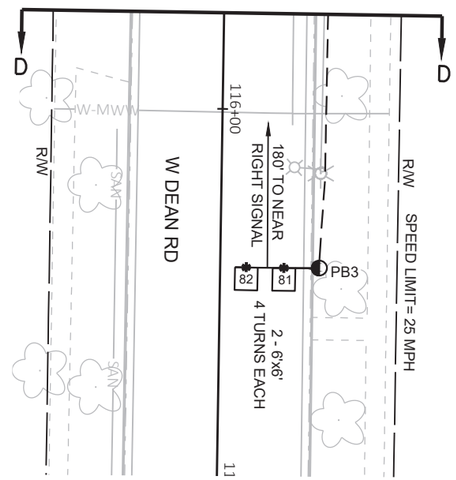
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 274	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1169_SERVITE-DEAN_2140-14-70.DWG
LAYOUT NAME - S40-1169_pg1
PLOT DATE : 4/18/2025 7:23 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT









TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W SERVITE DR/W DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1169

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

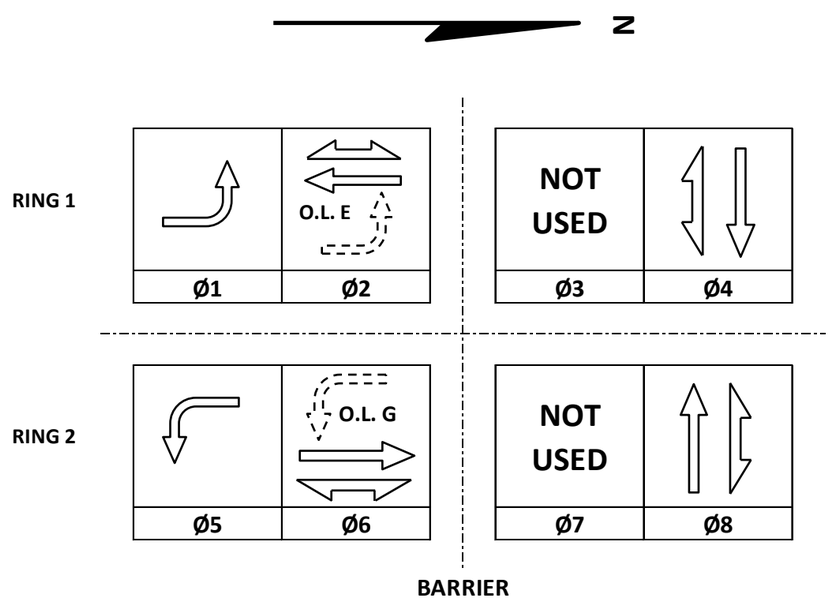
PAGE 2 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 275	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1169_SERVITE-DEAN_2140-14-70.DWG
LAYOUT NAME - S40-1169_pg2

PLOT DATE : 4/18/2025 7:24 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

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



CONTROLLER LOGIC

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

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

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	0120

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	11	21	23	41	43	45	51	61	63	81	83	85				
CALLED PHASE	1	2	2	4	4	4	6	6	6	8	8	8				
CALL OPTION	X	X	X		X	X	X	X	X		X	X				
DELAY TIME					X						X					
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X				
EXTEND TIME				X						X						
USE ADDED INITIAL		X	X					X	X							
CROSS SWITCH PHASE	2															

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)	12	22	24	42	44	46	52	62	64	82	84	86				
CALLED PHASE	1	2	2	4	4	4	6	6	6	8	8	8				
CALL OPTION	X	X	X		X	X	X	X	X		X	X				
DELAY TIME					X	X					X	X				
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X				
EXTEND TIME				X						X						
USE ADDED INITIAL		X	X					X	X							
CROSS SWITCH PHASE	2															

GENERAL NOTES:

1. PHASE 5 IS OMITTED 24/7.

STH 181 (N 76TH ST) & SERVITE DR/DEAN RD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: S40-1169 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 5/25 PAGE NUMBER: 3 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	SEQUENCE OF OPERATIONS	SHEET NO: 276	E

FILE NAME: Z:\Shared\WI\2986 76th St 2140-14-00\Signals\09-Servite-Dean\ServiteDean_TS2-S_E_FYA_EFGH_Econolite_SEQ.XLSX PLOT DATE: 4/18/2025 PLOT NAME: ServiteDean_TS2-S_E_FYA_EFGH_Econolite_SEQ.XLS PLOT BY: _____ PLOT SCALE: 1:1

PROJECT ID:	2140-14-70
INTERSECTION:	STH 181 AT SERVITE DR/DEAN RD

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

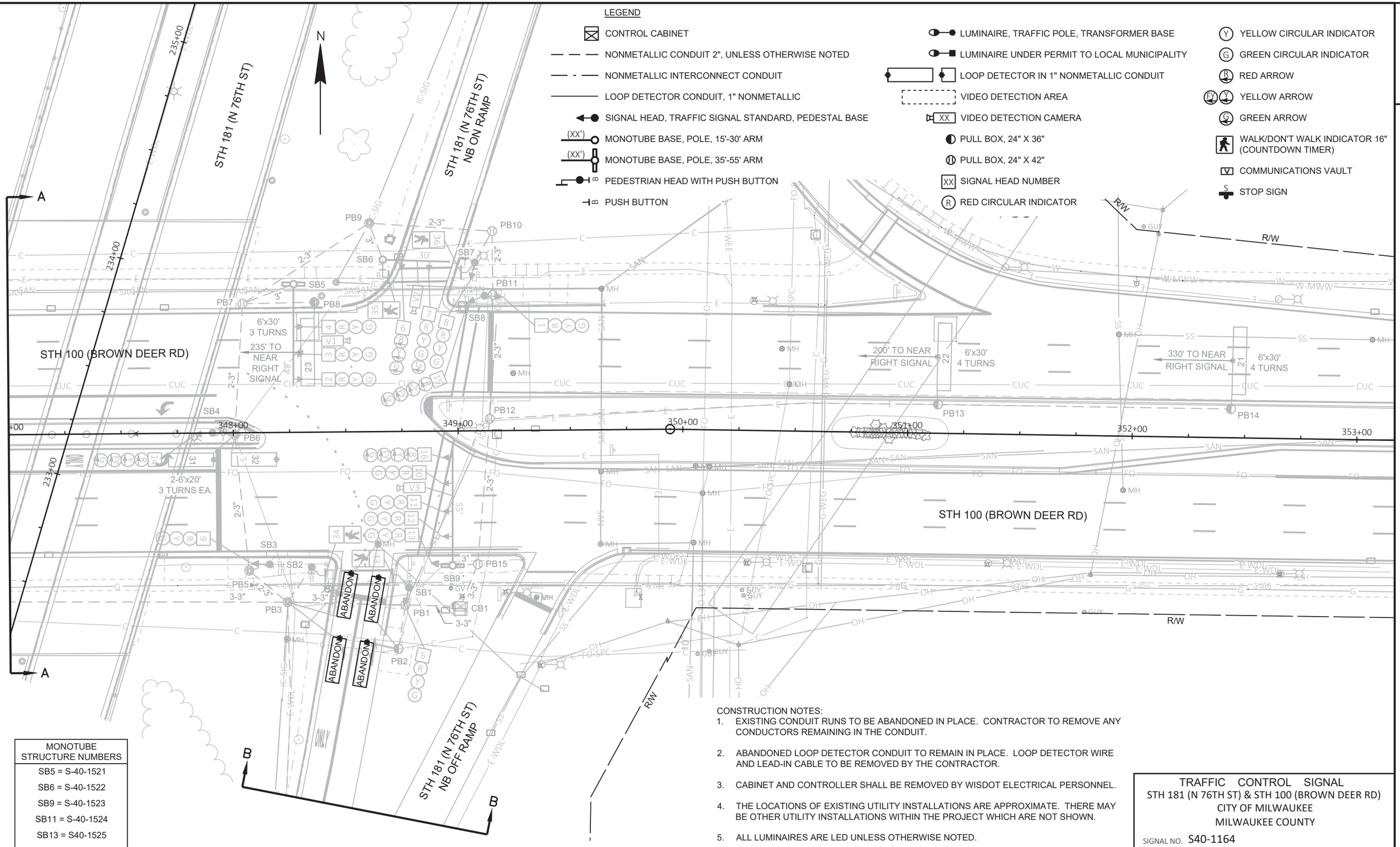
CB1 TO	JUMPER	# OF COND. AWG 14	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	PED BUTTON 2
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<FL YELLOW>	<GREEN>	D/WALK	WALK		
SB1		12	16	RED	ORG	GRN								
			19								BLK	BLU		
			B										WHT/BLK	
SB2		12	14	RED	ORG	GRN								
			15	RED	ORG	GRN								
			20								BLK	BLU		
			B										WHT/BLK	
SB3		15	1	RED	ORG	GRN								
			11				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			21								BLK	BLU		
			B										WHT/BLK	
SB4		12	12				RED	ORG	BLK/WHT	GRN				
			B										WHT/BLK	
SB5		12	4				RED	ORG	BLK/WHT	GRN				
			8	RED/BLK	ORG/BLK	GRN/BLK								
			9	RED/BLK	ORG/BLK	GRN/BLK								
SB6		7	22								BLK	BLU		
			B										WHT/BLK	
SB7		12	13	RED	ORG	GRN								
			23								BLK	BLU		
			B										WHT/BLK	
SB8		12	17	RED	ORG	GRN								
			18	RED	ORG	GRN								
			24								BLK	BLU		
			B										WHT/BLK	
SB9		15	5				RED	ORG	BLK/WHT	GRN				
			7	RED/BLK	ORG/BLK	GRN/BLK								
			25								BLK	BLU		
			B										WHT/BLK	
SB10		12	6				RED	ORG	BLK/WHT	GRN				
			B										WHT/BLK	
SB11		12	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
			10				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
SB12		7	26								BLK	BLU		
			B										WHT/BLK	

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	SB12
SB12	CB1

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
CB1	PB1
SB2	PB4
SB3	PB5
SB4	PB8
SB5	PB9
SB6	PB10
SB7	PB11
SB8	PB14
SB9	PB15
SB10	PB18
SB11	PB19
SB12	PB20

LIGHTING UF 12 AWG W/GROUND	
FROM	TO
CB1	SB2
SB2	SB4
CB1	SB10
SB10	SB8

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



MONOTUBE STRUCTURE NUMBERS
SB5 = S-40-1521
SB6 = S-40-1522
SB9 = S-40-1523
SB11 = S-40-1524
SB13 = S40-1525
SB15 = S40-1526

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED UNLESS OTHERWISE NOTED.
6. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & STH 100 (BROWN DEER RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1164

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 278	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\REMOVALS\S40-1164_REM_STH100BROWNDEER_2140-14-70.DWG
LAYOUT NAME - S40-1164_rem_pg1
PLOT DATE : 4/18/2025 1:24 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

STH 181 (N 76TH ST) SB OFF RAMP

STH 100 (BROWN DEER RD)

R/W

341+00 342+00 343+00 344+00 345+00 346+00

PB22 PB23 PB24 PB25 PB26 PB27

SB10 SB11 SB12 SB13 SB14 SB15 SB16 SB17 SB18 SB19

PB17 PB18 PB19 PB20 PB21

CB2 (SPLICE)

ABANDON

6'x30' 4 TURNS

330' TO NEAR RIGHT SIGNAL

200' TO NEAR RIGHT SIGNAL

6'x30' 3 TURNS

235' TO NEAR RIGHT SIGNAL

2-6'x20' 3 TURNS EA.

STH 181 (N 76TH ST) SB ON RAMP

STH 181 (N 76TH ST)

A

232+00

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & STH 100 (BROWN DEER RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1164

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 279	E

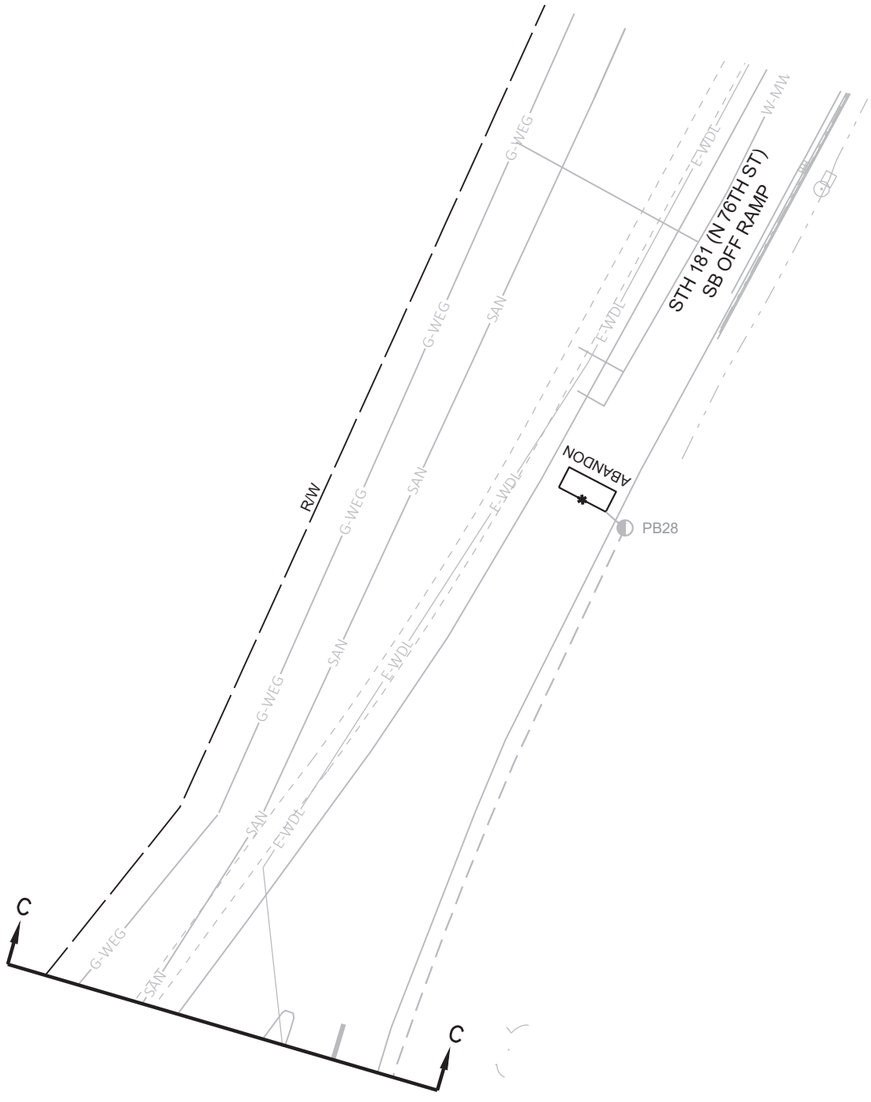
FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\REMOVALS\S40-1164_REM_STH100BROWNDEER_2140-14-70.DWG
LAYOUT NAME - S40-1164_rem_pg2

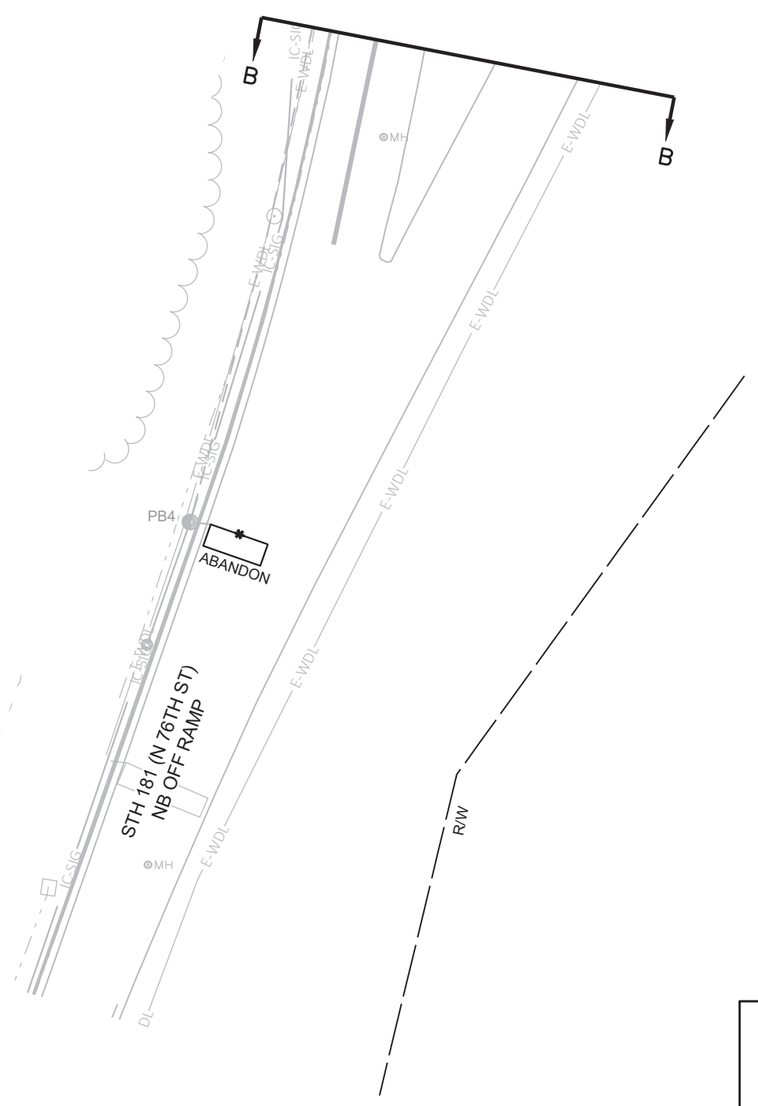
PLOT DATE : 4/18/2025 1:24 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & STH 100 (BROWN DEER RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1164

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

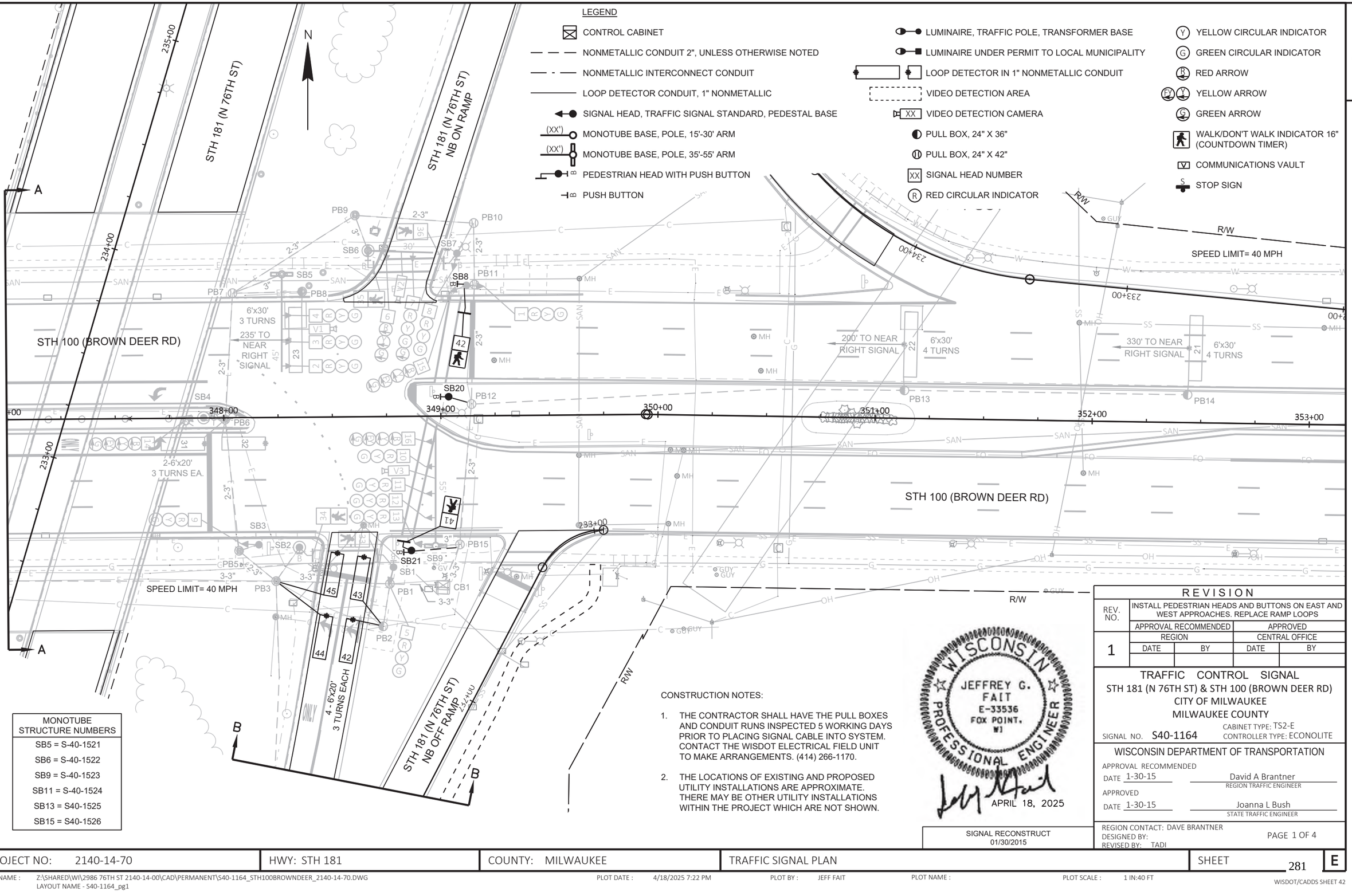
PAGE 3 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 280	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\REMOVALS\S40-1164_REM_STH100BROWNDEER_2140-14-70.DWG
LAYOUT NAME - S40-1164_rem_pg3

PLOT DATE : 4/18/2025 1:25 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



MONOTUBE STRUCTURE NUMBERS
SB5 = S-40-1521
SB6 = S-40-1522
SB9 = S-40-1523
SB11 = S-40-1524
SB13 = S40-1525
SB15 = S40-1526

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

SIGNAL RECONSTRUCT 01/30/2015

REVISION

REV. NO.	INSTALL PEDESTRIAN HEADS AND BUTTONS ON EAST AND WEST APPROACHES. REPLACE RAMP LOOPS			
	APPROVAL RECOMMENDED		APPROVED	
1	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & STH 100 (BROWN DEER RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1164
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 1-30-15 — David A Brantner, REGION TRAFFIC ENGINEER

APPROVED
DATE 1-30-15 — Joanna L Bush, STATE TRAFFIC ENGINEER

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 281	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1164_STH100BROWNDEER_2140-14-70.DWG
LAYOUT NAME - S40-1164_pg1
PLOT DATE : 4/18/2025 7:22 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

STH 100 (BROWN DEER RD)

STH 181 (N 76TH ST) SB OFF RAMP

4 - 6'x20' 4 TURNS EACH ONLY

STH 181 (N 76TH ST) SB ON RAMP

R/W

SPEED LIMIT= 40 MPH

6'x30' 4 TURNS

330' TO NEAR RIGHT SIGNAL

6'x30' 4 TURNS

200' TO NEAR RIGHT SIGNAL

6'x30' 3 TURNS

235' TO NEAR RIGHT SIGNAL

2-6'x20' 3 TURNS EA.

341+00 342+00 343+00 344+00 345+00 346+00 347

232+00 233+00 234+00 235+00

SB10 SB11 SB12 SB13 SB14 SB15 SB16 SB17 SB18 SB19 SB20 SB22 SB23

PB16 PB17 PB18 PB19 PB20 PB21 PB22 PB23 PB24 PB25 PB26 PB27

CB2 (SPLICE)

TRAFFIC CONTROL SIGNAL

STH 181 (N 76TH ST) & STH 100 (BROWN DEER RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1164

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 4

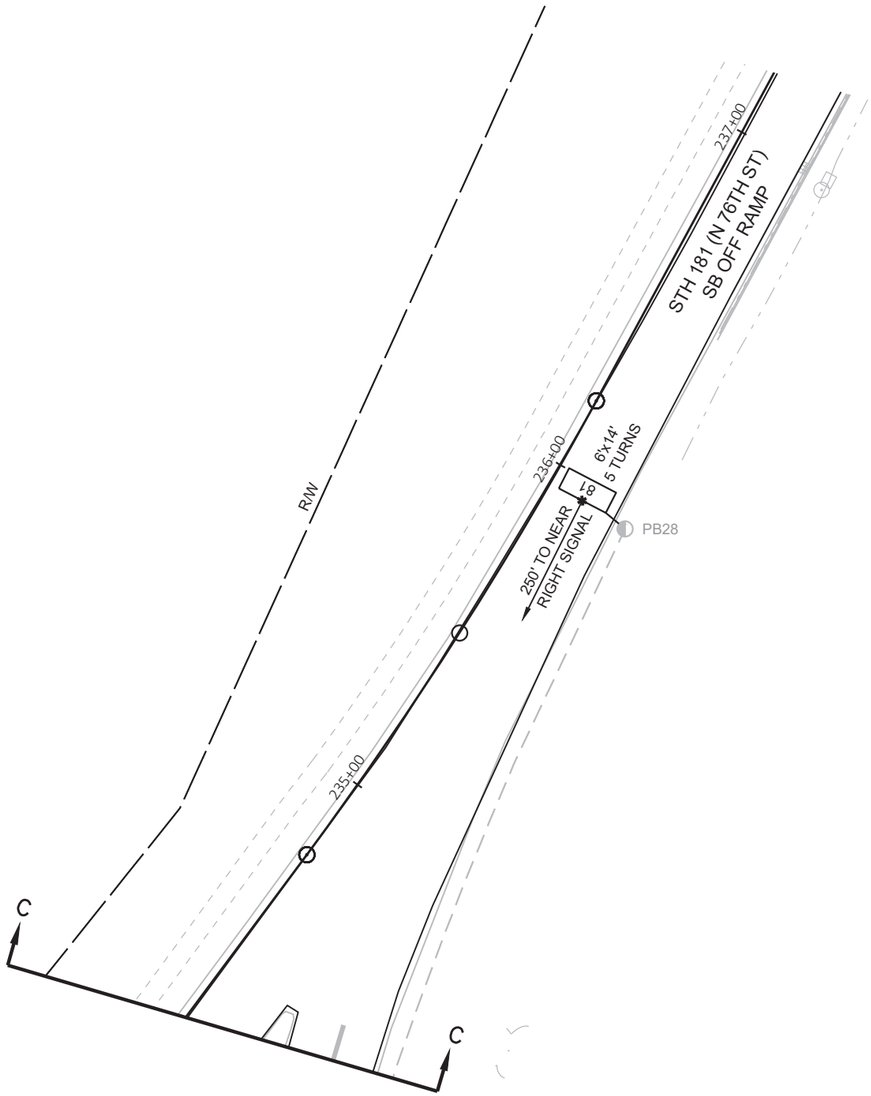
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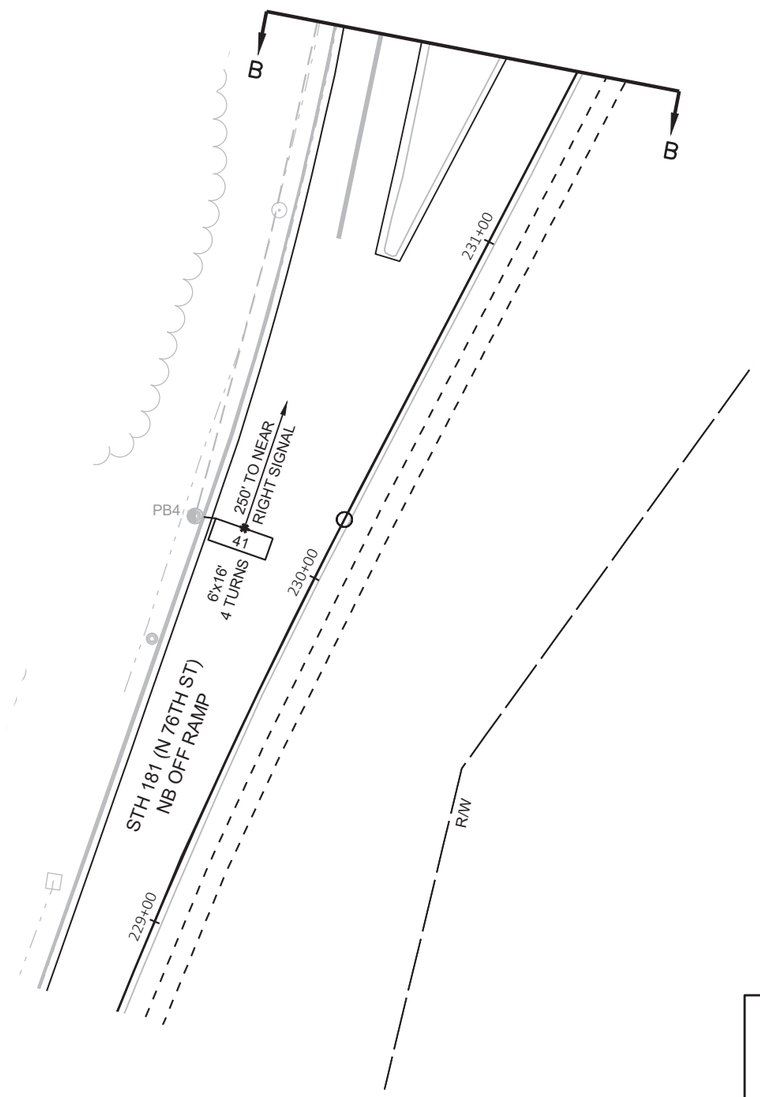
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LAYOUT NAME - S40-1164_pg2

PLOT DATE : 4/18/2025 7:23 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2





N

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & STH 100 (BROWN DEER RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1164

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 3 OF 4

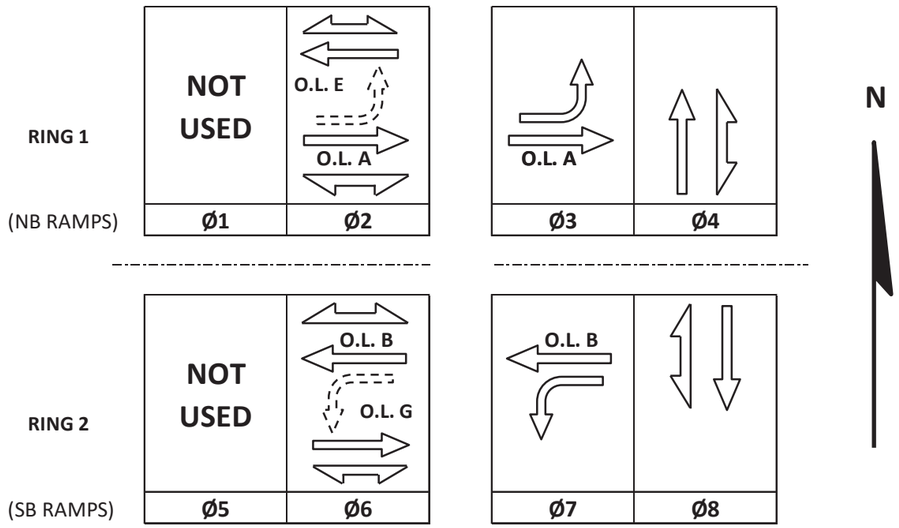
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 283	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1164_STH100BROWNDEER_2140-14-70.DWG
LAYOUT NAME - S40-1164_pg3

PLOT DATE : 4/18/2025 7:23 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1,2,3,4	R
Ø3	14,15,16	R ←
Ø4	5,6,7,8	R, R ←
Ø5		
Ø6	25,26,27,28	R
Ø7	22,23,24	R ←
Ø8	29,30,31,32	R, R ←
Ø2P	33,34,35,36	
Ø4P	41,42	
Ø6P	37,38,39,40	
Ø8P	43,44	
OLA	9,10,11,12,13	R
OLB	17,18,19,20,21	R
OLC		
OLD		
OLE	14,15,16	-
OLF		
OLG	22,23,24	-
OLH		



CONTROLLER LOGIC

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

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

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

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	21/22	31/32	41	42/43	61/62	71/72	81	82/83
CALLED PHASE	2	3	4	4	6	7	8	8
CALL OPTION	X	X		X	X	X		X
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME			X				X	
USE ADDED INITIAL								
CROSS SWITCH PHASE								

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

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	23			44/45	63			84/85
CALLED PHASE	2			4	6			8
CALL OPTION	X			X	X			X
DELAY TIME								
EXTENTION OPTION	X			X	X			X
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

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

GENERAL NOTES:

INTERSECTION UTILIZES CAMERAS FOR INSYNC ADAPTIVE CONTROL. THESE CAMERAS ARE NOT INCLUDED IN THE DETECTION LOGIC CHART. REFER TO INSYNC PROGRAMMING FOR DETAILS.

STH 181 (N 76TH ST) & STH 100 (BROWN DEER RD)
CITY OF MILWAUKEE
MILWAUKEE COUNTY

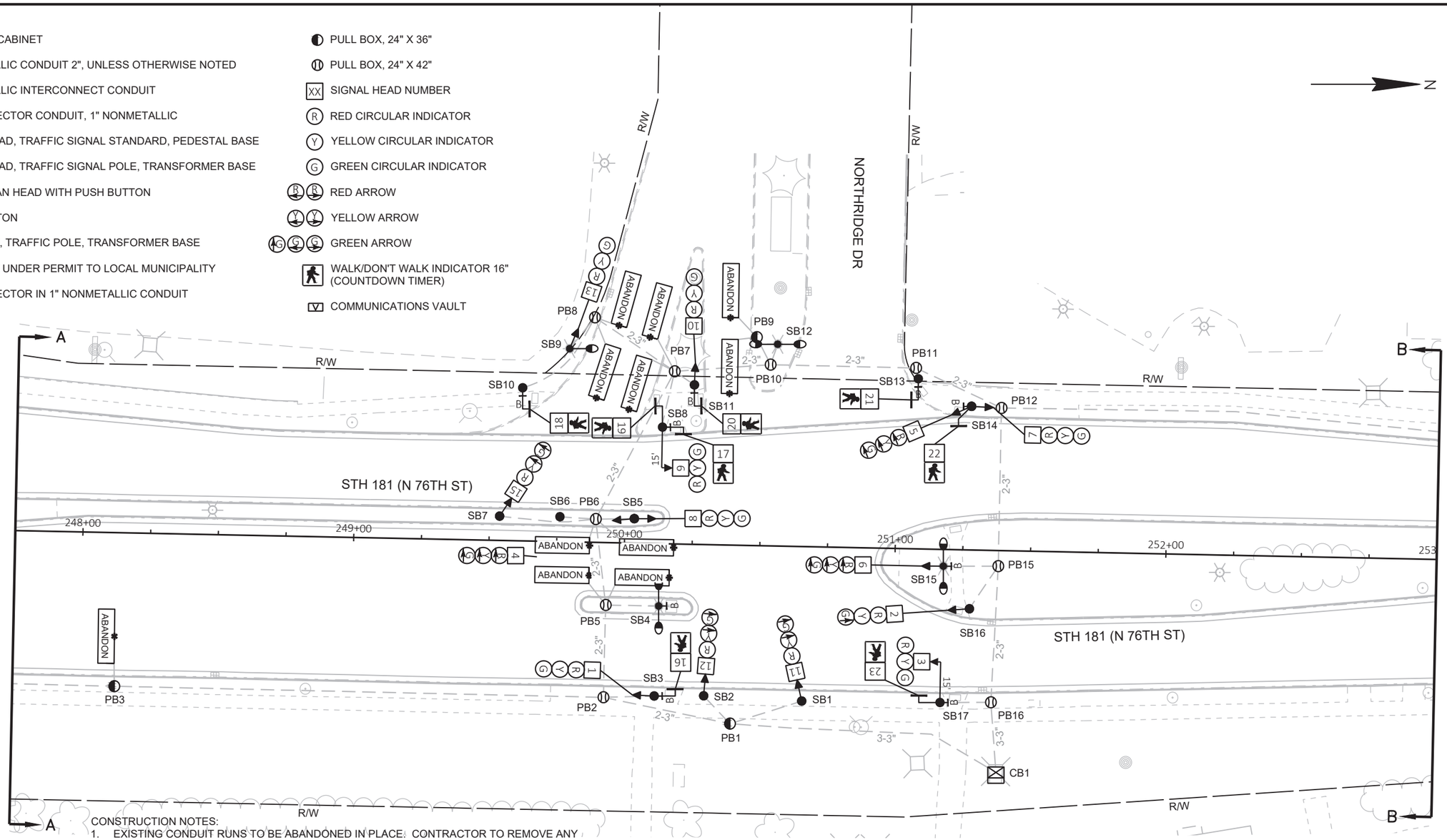
SIGNAL NO: S40-1164 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 5/25 PAGE NUMBER: 4 OF 4

2

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- V COMMUNICATIONS VAULT



CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED C UNLESS OTHERWISE NOTED.
6. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.
7. DISCONNECT EXISTING FIBER OPTIC COMMUNICATIONS AND PULL CABLES BACK TO NEAREST UNDISTURBED VAULT OR PULL BOX.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1143

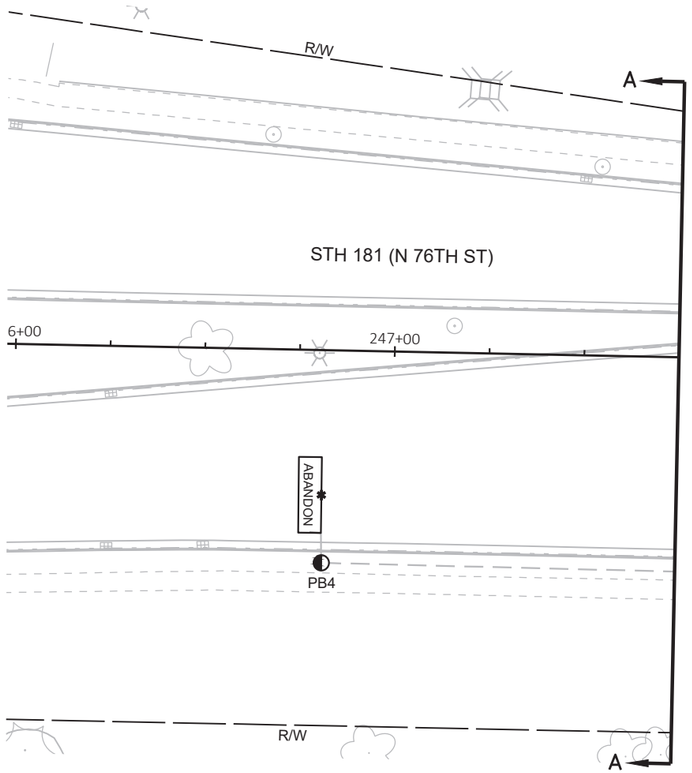
REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

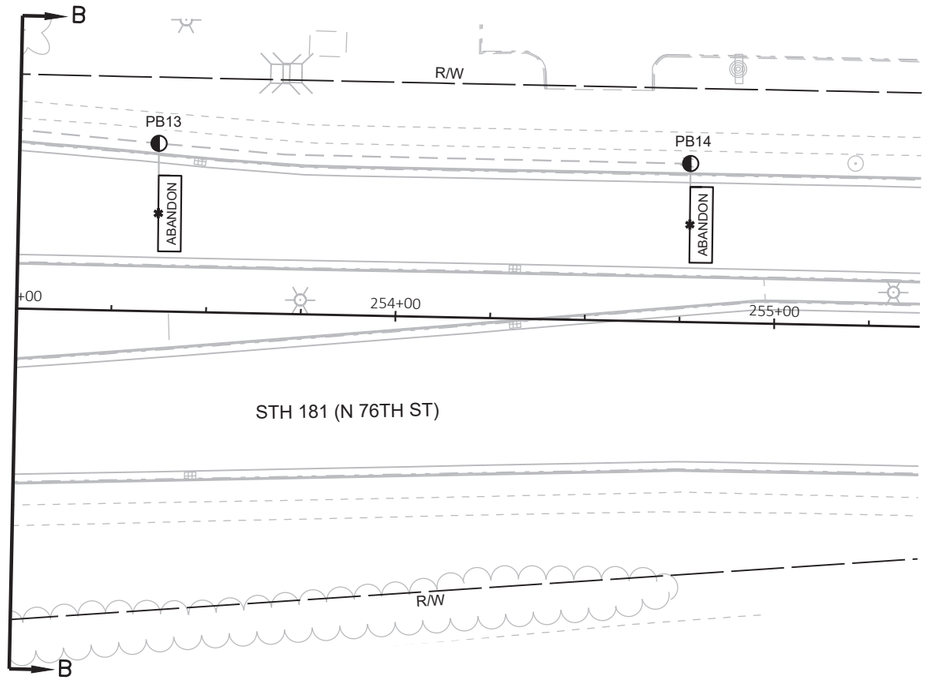
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 285	E

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PLOT DATE : 4/18/2025 3:08 PM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

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TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1143

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 286	E

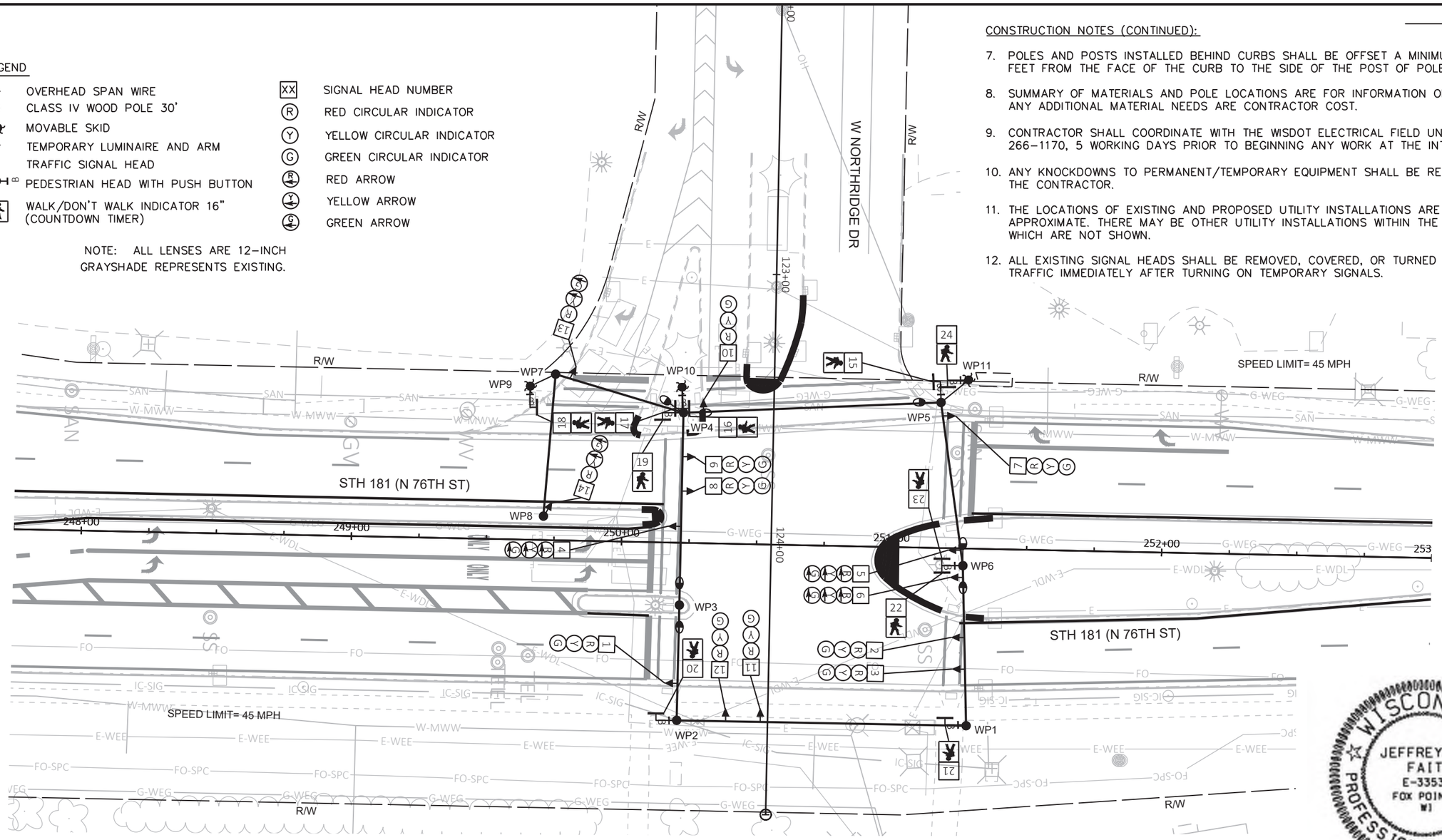
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LAYOUT NAME - S40-1143_rem_pg2

PLOT DATE : 4/18/2025 3:08 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH GRAYSHADE REPRESENTS EXISTING.



CONSTRUCTION NOTES (CONTINUED):

7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OF POLE.
8. SUMMARY OF MATERIALS AND POLE LOCATIONS ARE FOR INFORMATION ONLY AND ANY ADDITIONAL MATERIAL NEEDS ARE CONTRACTOR COST.
9. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266–1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
10. ANY KNOCKDOWNS TO PERMANENT/TEMPORARY EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
11. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
12. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.

CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION.
2. ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
3. CONTRACTOR SHALL USE THE EXISTING ELECTRICAL SERVICE, AND ADJUST THE LOCATIONS OF THE TEMPORARY SIGNAL FACES TO ACCOMMODATE TRAFFIC DURING STAGING.
4. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ON–SITE ENGINEER.
5. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ON–SITE ENGINEER.

FOR INFORMATION ONLY

8	EA	WOOD POLES CLASS 4
3	EA	MOVABLE SKID
650	L.F.	OVERHEAD SPAN WIRE
6	EA	LUMINAIRES 250 HPS OR LED C
1	L.S.	TEMPORARY TRAFFIC SIGNAL CABINET
14	EA	SIGNAL FACES 3–SECTION
10	EA	PEDESTRIAN SIGNAL HEAD

WISCONSIN PROFESSIONAL ENGINEER
JEFFREY G. FAIT
E-33536
FOX POINT, WI
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1143

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

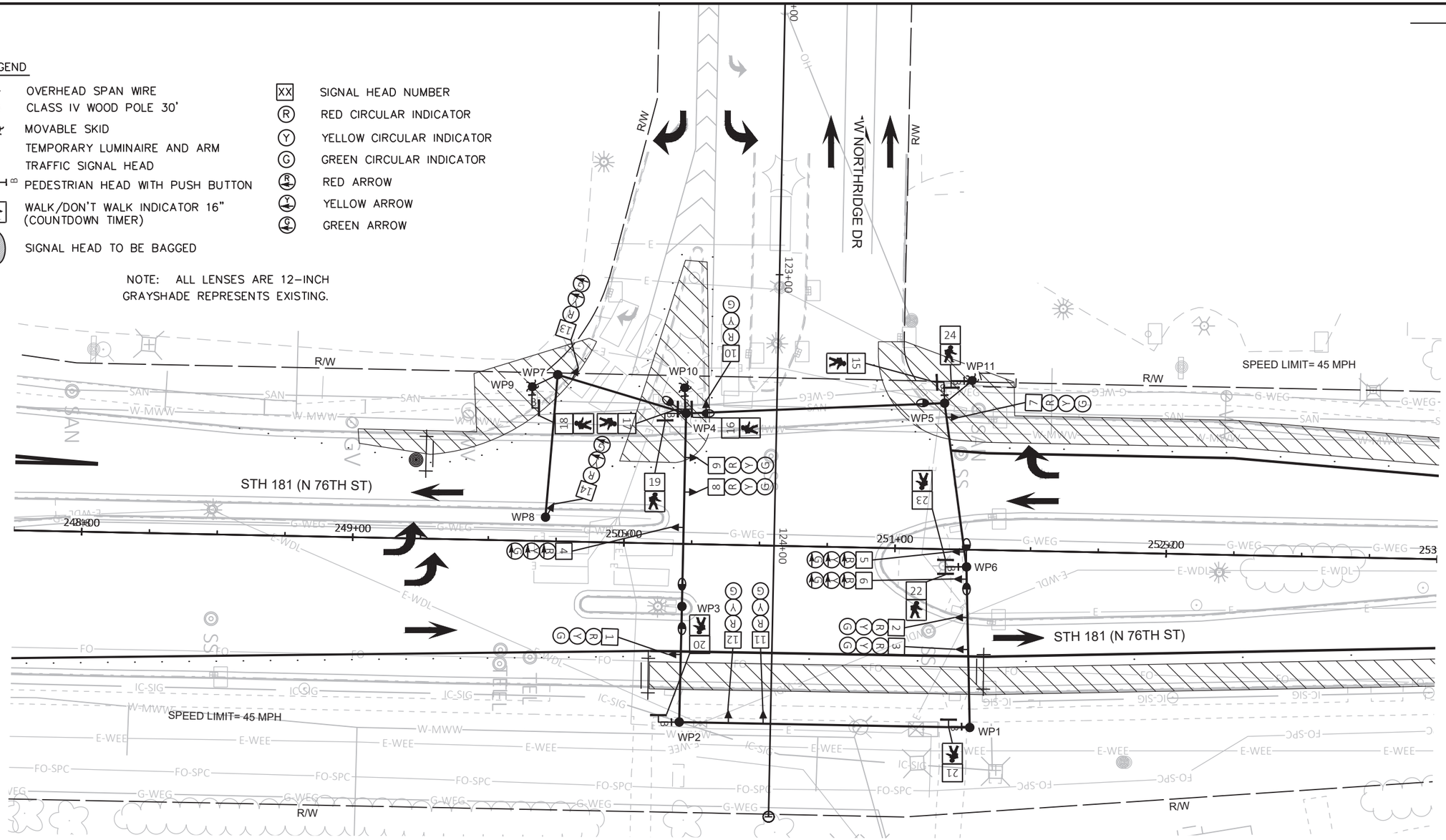
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-STAGE	SHEET 287	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\11-NORTHRIDGE MALL\T40-1143_NORTHRIDGEMALL_TEMP_PRESTAGE.DWG
LAYOUT NAME - T40-1143_pg1
PLOT DATE : 4/18/2025 2:29 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1143

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 8

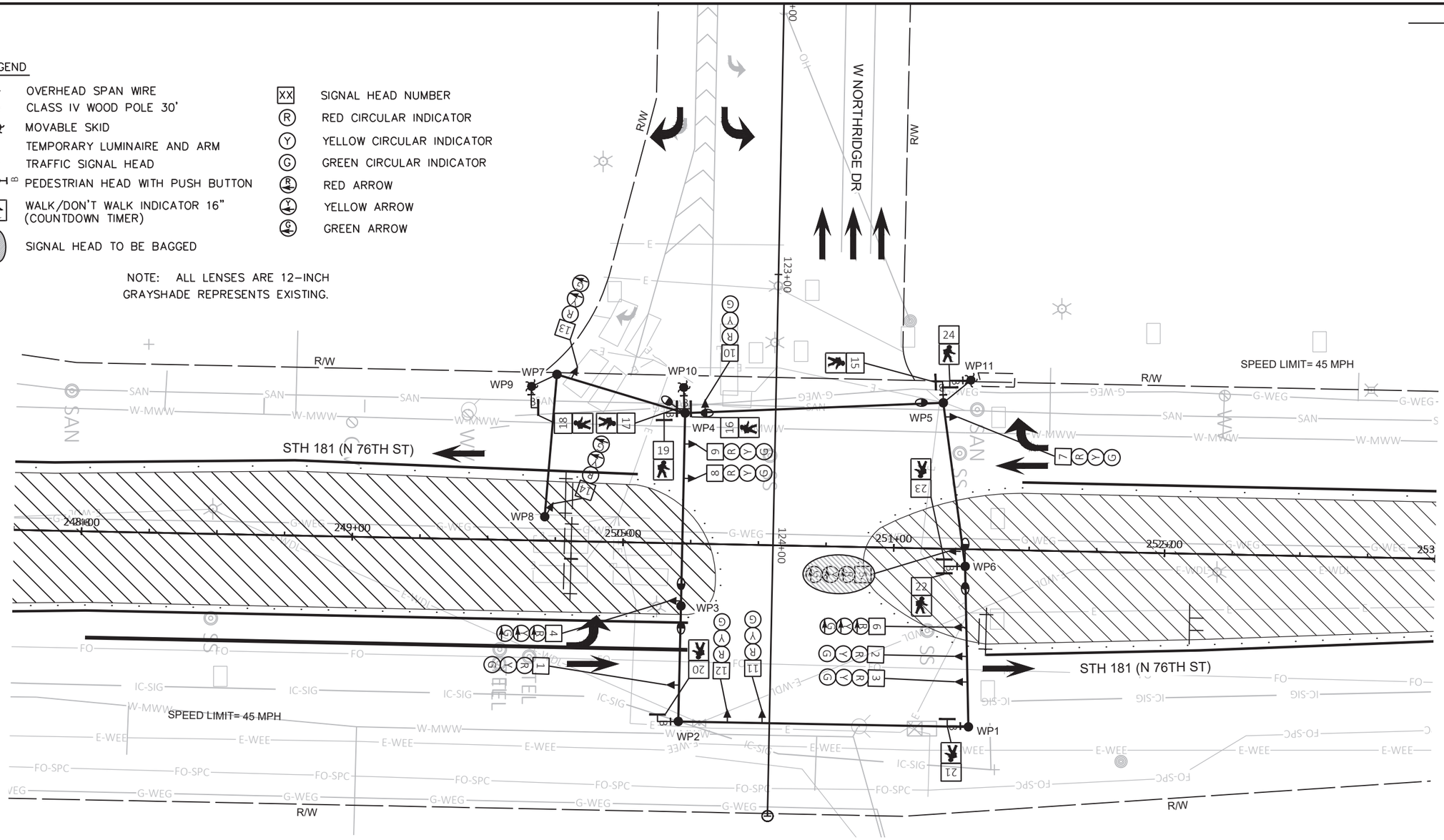
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LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
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- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1143

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

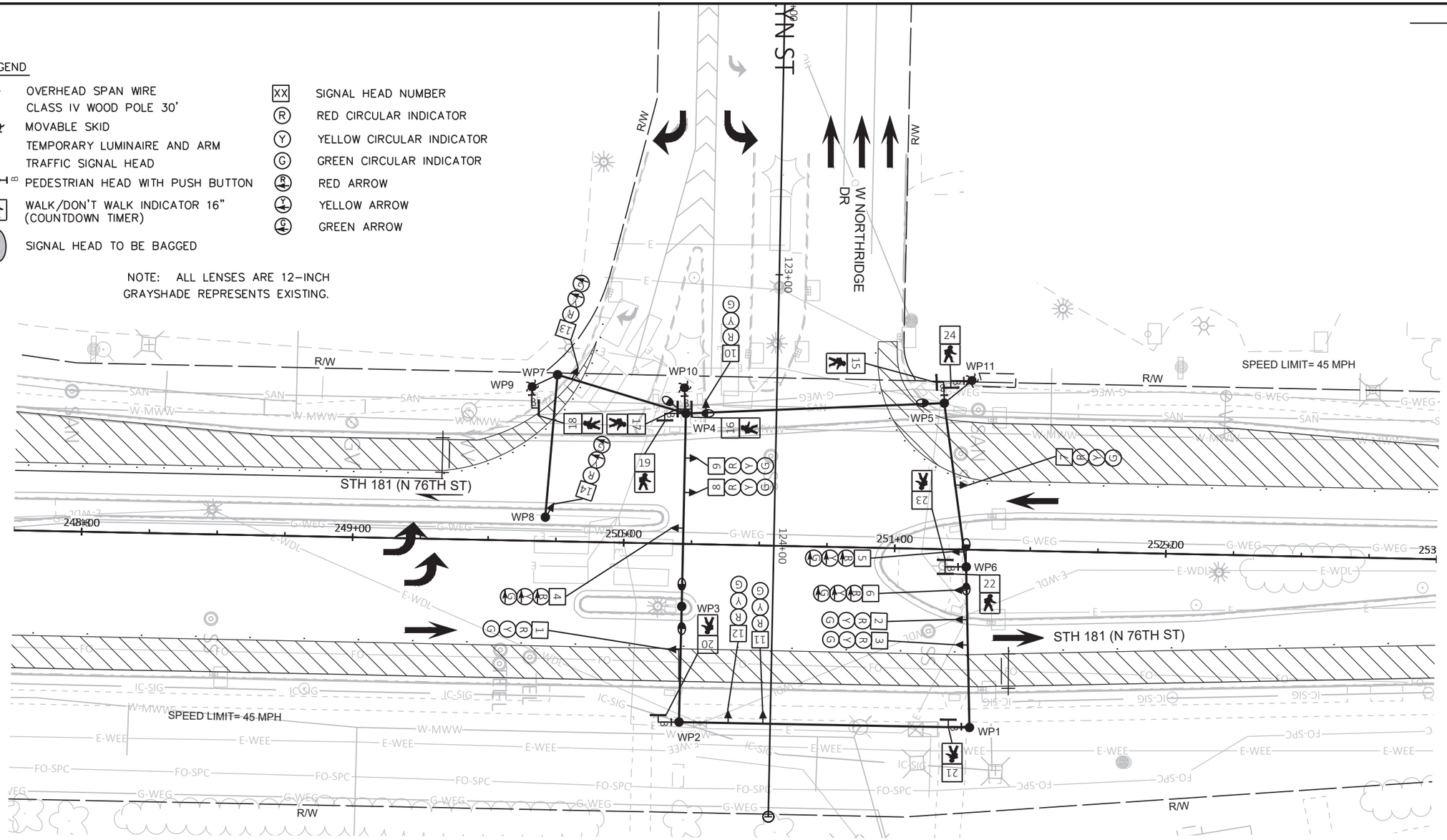
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LAYOUT NAME - T40-1143_pg1
PLOT DATE : 4/18/2025 2:30 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1143

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3A	SHEET 290	E

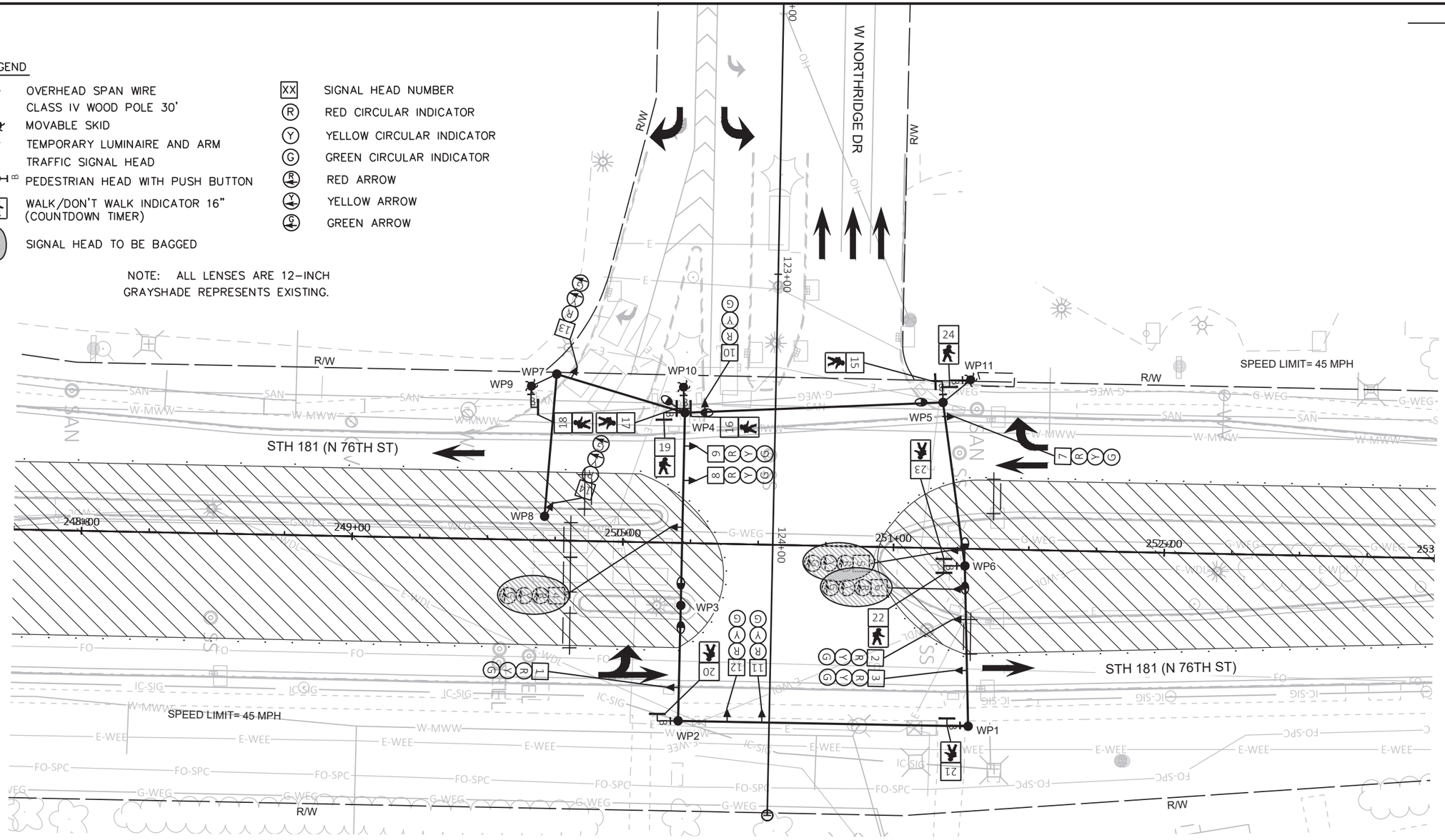
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PLOT DATE : 4/18/2025 2:30 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1143

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3B	SHEET 291	E

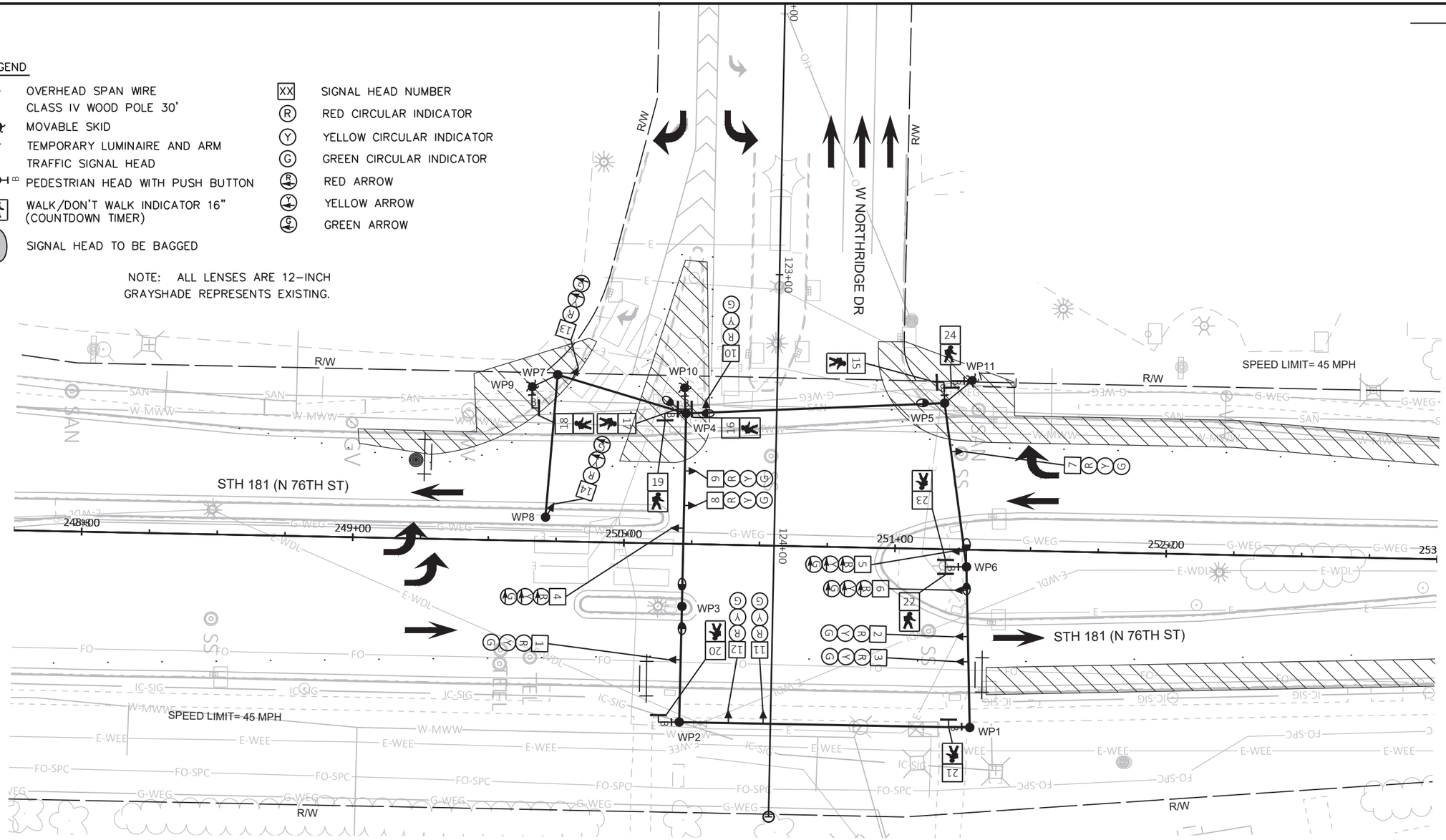
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LAYOUT NAME - T40-1143_pg1

PLOT DATE : 4/18/2025 2:30 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
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- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1143

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET 292	E

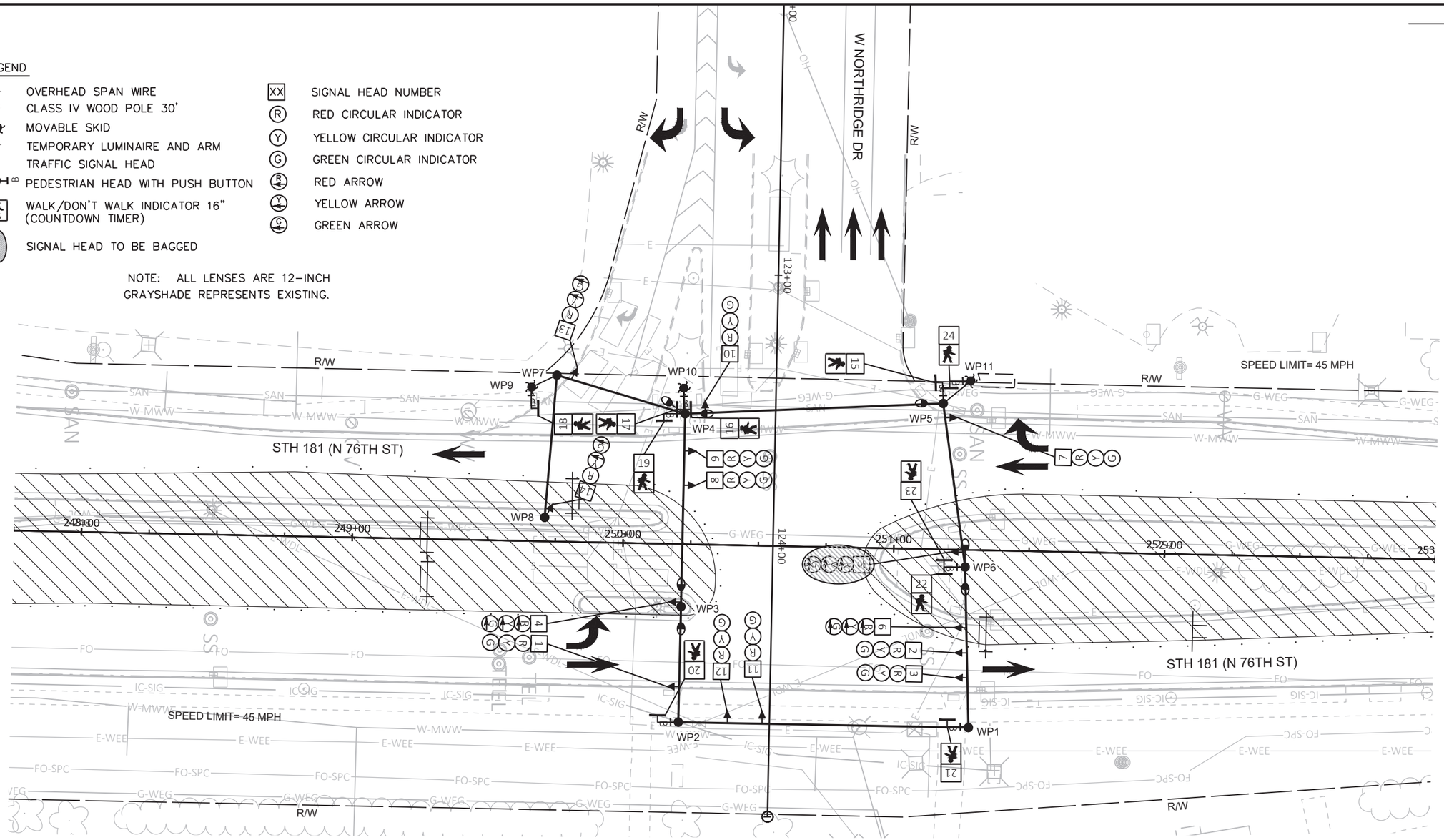
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LAYOUT NAME - T40-1143_pg1

PLOT DATE : 4/18/2025 2:30 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
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- PEDESTRIAN HEAD WITH PUSH BUTTON
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- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1143

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 7 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET 293	E

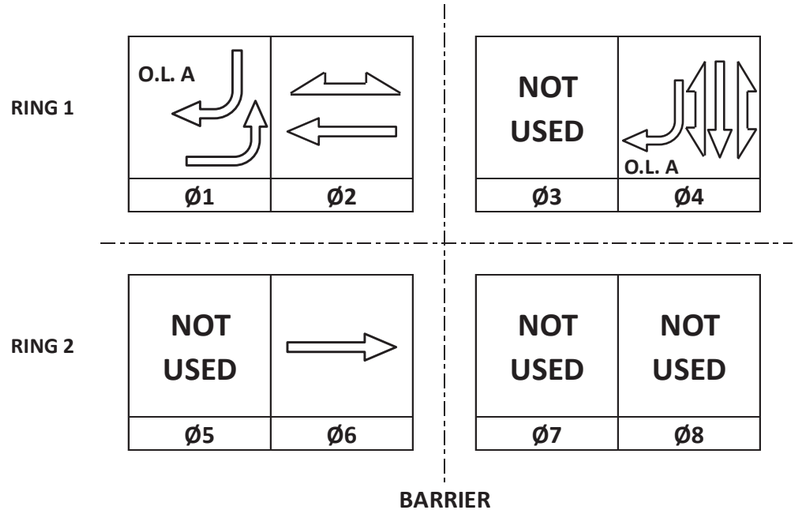
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LAYOUT NAME - T40-1143_pg1

PLOT DATE : 4/18/2025 2:30 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

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

N



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

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

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

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

GENERAL NOTES:

1. OMIT PHASE 1 DURING CONSTRUCTION STAGE 3B.

CONTROLLER LOGIC

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

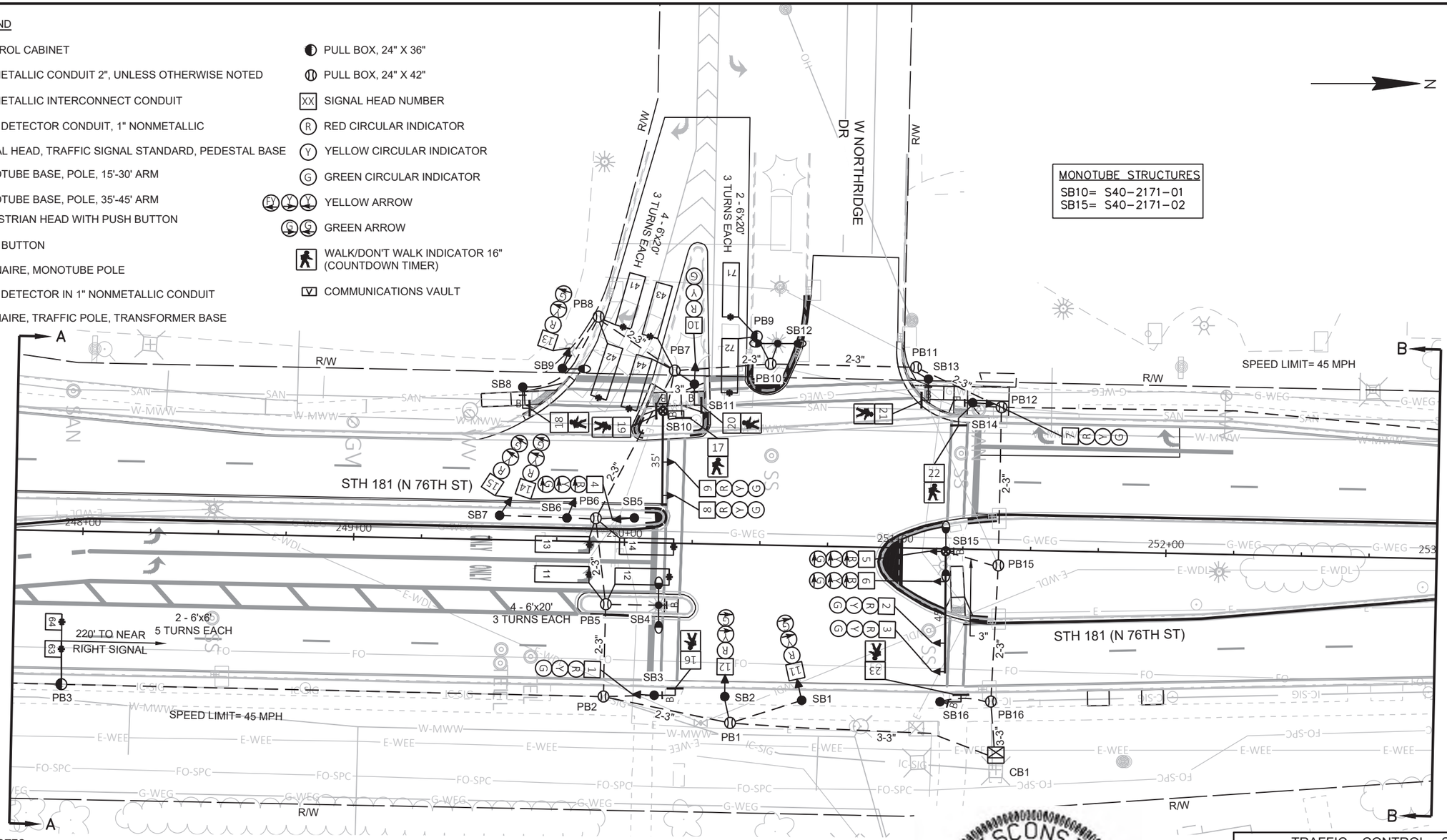
STH 181 (N 76TH ST) & NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO:	T40-1143	CABINET TYPE: TEMP	
		CONTROLLER TYPE: TEMP	
DATE:	5/25	PAGE NUMBER: 8 OF 8	

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, MONOTUBE POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT

MONOTUBE STRUCTURES
SB10= S40-2171-01
SB15= S40-2171-02



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. RECONNECT EXISTING FIBER OPTIC TRAFFIC SIGNAL INTERCONNECT.

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY
SIGNAL NO. S40-1143
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

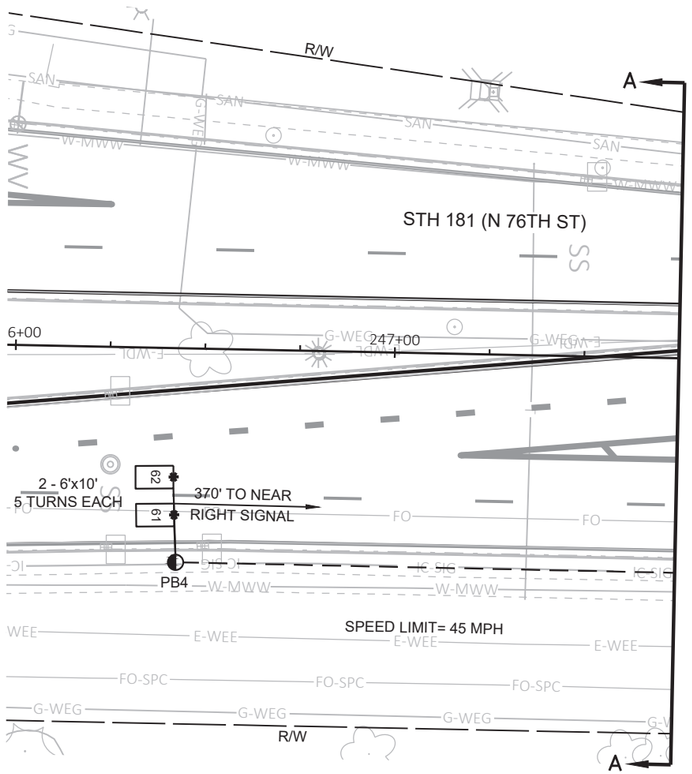
REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:
PAGE 1 OF 3

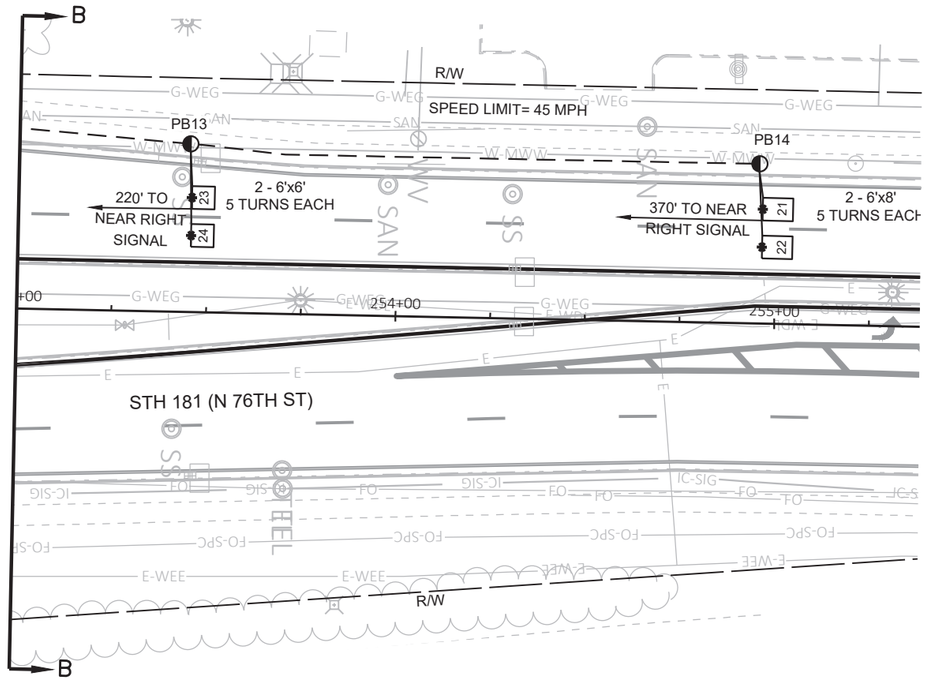
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 295	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1143_NORTHRIDGEMALL_2140-14-70.DWG
LAYOUT NAME - S40-1143_pg1
PLOT DATE : 4/18/2025 7:20 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

2

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TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1143

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

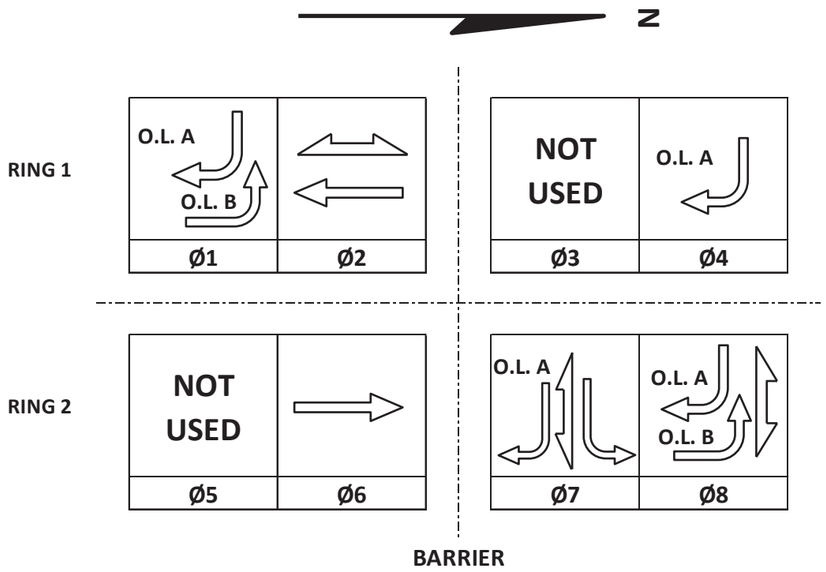
PAGE 2 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 296	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1143_NORTHRIDGEMALL_2140-14-70.DWG
LAYOUT NAME - S40-1143_pg2

PLOT DATE : 4/18/2025 7:20 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

	HEAD NUMBERS	FLASH
Ø1		R ←
Ø2	7,8,9	R
Ø3		
Ø4		
Ø5		
Ø6	1,2,3	R
Ø7	10,11,12	R
Ø8		
Ø2P	18,19,20,21	
Ø7P	16,17	
Ø6P		
Ø8P	22,23	
OLA	13,14,15	R
OLB	4,5,6	R ←



CONTROLLER LOGIC

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

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

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	40-0202

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	13	21	23	41	43	61	63
CALLED PHASE	1	1	2	2	4	4	6	6
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME					X			
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL			X	X			X	X
CROSS SWITCH PHASE								

DETECTOR INPUT	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	71							
CALLED PHASE	7							
CALL OPTION	X							
DELAY TIME								
EXTENTION OPTION	X							
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	14	22	24	42	44	62	64
CALLED PHASE	1	1	2	2	4	4	6	6
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME					X			
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL			X	X			X	X
CROSS SWITCH PHASE								

DETECTOR INPUT	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)	72							
CALLED PHASE	7							
CALL OPTION	X							
DELAY TIME								
EXTENTION OPTION	X							
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

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

STH 181 (N 76TH ST) & NORTHRIDGE DR
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO:	S40-1143	CABINET TYPE: TS2-E
		CONTROLLER TYPE: ECONOLITE
DATE:	5/25	PAGE NUMBER: 3 OF 3

FILE NAME: Z:\Shared\WI\2986 76th St 2140-14-00\Signals\11-Northridge Mall\NorthridgeMall_TS2-S_E_FYA_EFGH_Econolite_SEQ.XLSX PLOT DATE: 4/18/2025 PLOT NAME: NorthridgeMall_TS2-S_E_FYA_EFGH_Econolite_SEQ.X PLOT BY: _____ PLOT SCALE: 1:1

PROJECT ID:	2140-14-70
INTERSECTION:	STH 181 AT NORTHRIDGE DR

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

				SIGNAL INDICATION WIRE COLOR										
CB1 TO	JUMPER	# OF COND. AWG 14	HEAD NO.	RED	YELLOW	GREEN	<RED>	<YELLOW>	<FL YELLOW>	<GREEN>	D/WALK	WALK	PED BUTTON	PED BUTTON 2
SB1		7	11	RED				ORG		GRN				
SB2		7	12	RED				ORG		GRN				
SB3		12	1	RED	ORG	GRN								
			16								BLK	BLU		
			B										WHT/BLK	
SB4		7	B										WHT/BLK	
SB5		7	4				RED	ORG		GRN				
SB6		7	14	RED				ORG		GRN				
SB7		7	15	RED				ORG		GRN				
SB8		7	18								BLK	BLU		
			B										WHT/BLK	
SB9		7	13	RED				ORG		GRN				
SB10		15	8	RED	ORG	GRN								
			9	RED	ORG	GRN								
			17								BLU/BLK	BLK/WHT		
			19								BLK	BLU		
			B										WHT/BLK	
			B										RED/BLK	
SB11		12	10	RED	ORG	GRN								
			20								BLK	BLU		
			B										WHT/BLK	
SB13		7	21								BLK	BLU		
			B										WHT/BLK	
SB14		12	7	RED	ORG	GRN								
			22								BLK	BLU		
			B										WHT/BLK	
SB15		12	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
			5				RED/BLK	ORG/BLK		GRN/BLK				
			6				RED/BLK	ORG/BLK		GRN/BLK				
			B										WHT/BLK	
SB16		7	23								BLK	BLU		
			B										WHT/BLK	

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	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	SB16
SB16	CB1

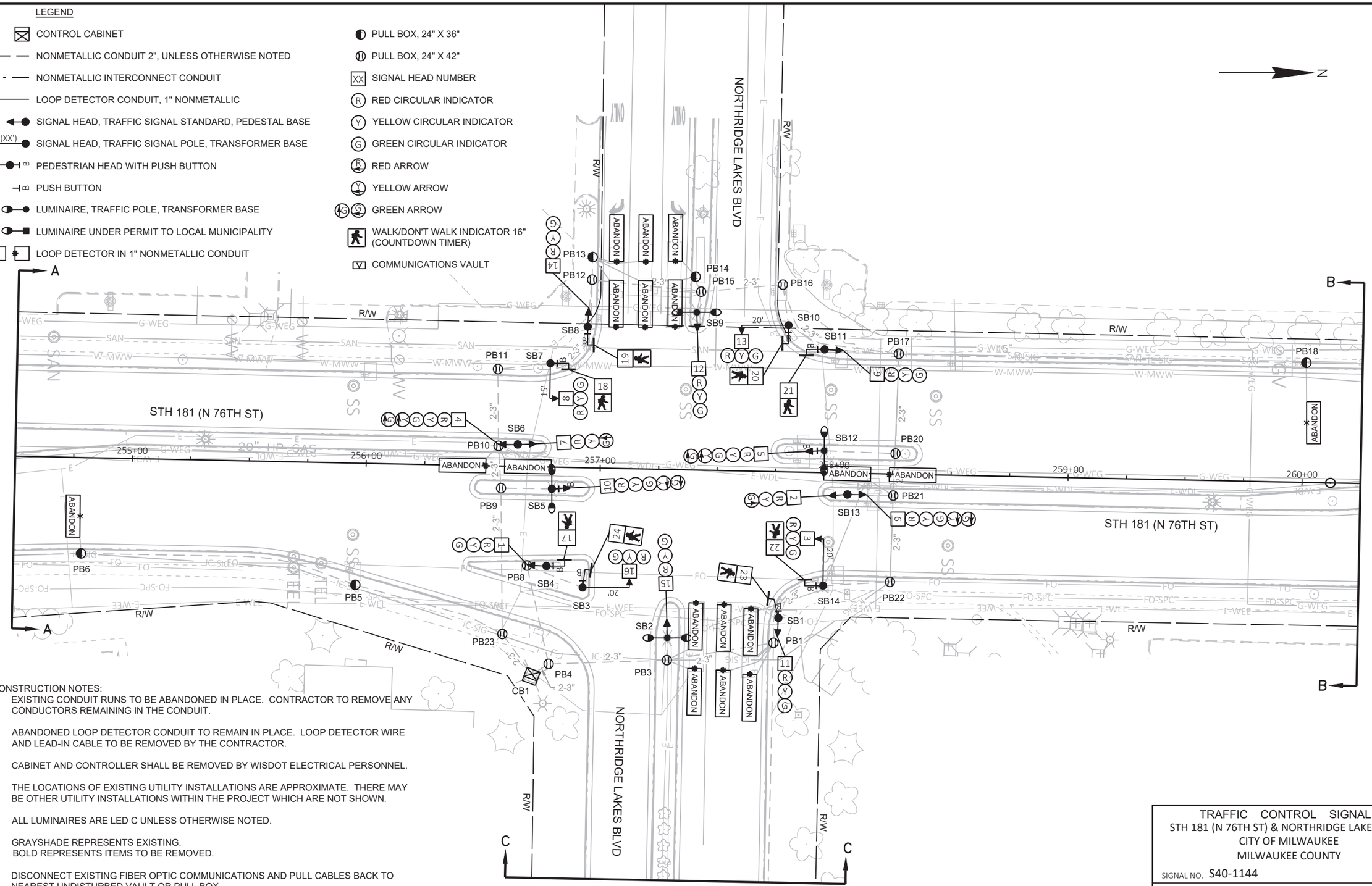
PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
SB2	PB1
SB3	PB2
SB4	PB5
SB5	PB6
SB10	PB7
SB9	PB8
SB12	PB10
SB13	PB11
SB14	PB12
SB15	PB15
CB1	PB16

LIGHTING UF 12 AWG W/GROUND	
FROM	TO
CB1	SB4
SB4	SB9
CB1	SB15
SB15	SB12

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

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT



CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. ALL LUMINAIRES ARE LED C UNLESS OTHERWISE NOTED.
6. GRAYSHADE REPRESENTS EXISTING.
   BOLD REPRESENTS ITEMS TO BE REMOVED.
7. DISCONNECT EXISTING FIBER OPTIC COMMUNICATIONS AND PULL CABLES BACK TO NEAREST UNDISTURBED VAULT OR PULL BOX.

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1144

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

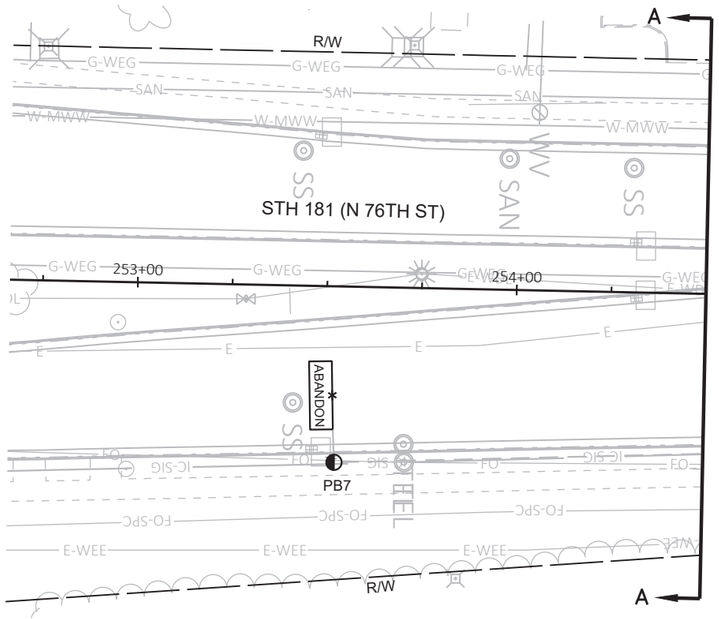
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 299	E

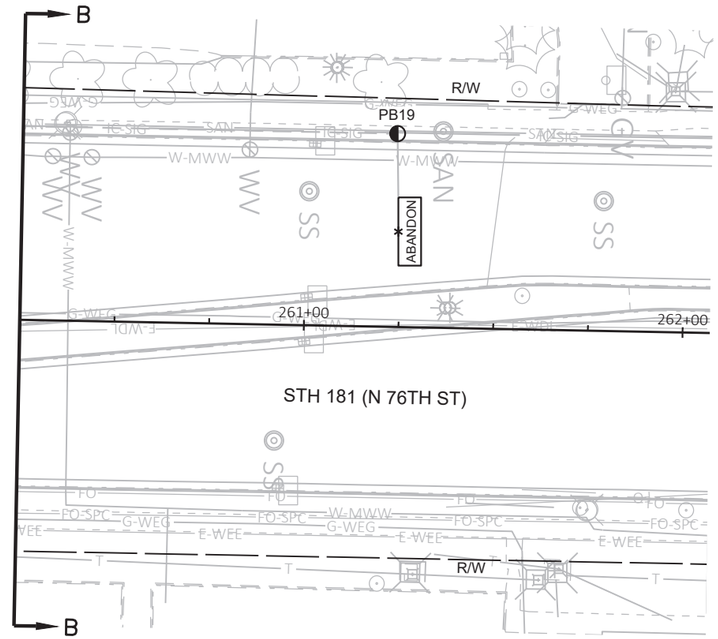
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LAYOUT NAME - S40-1144_rem_pg1

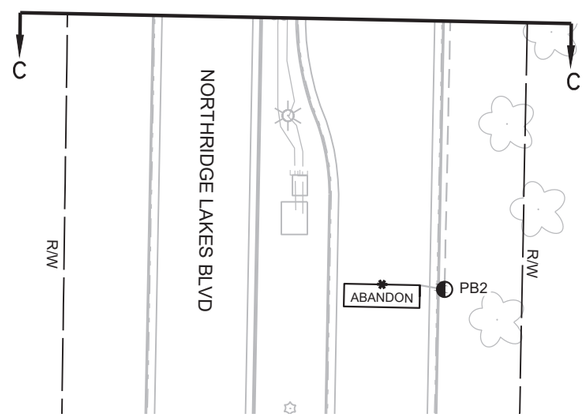
PLOT DATE : 4/18/2025 3:09 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

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TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1144

REGION CONTACT: DAVE BRANTNER
DESIGNED BY:
REVISED BY: TADI

PAGE 2 OF 2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 300	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\REMOVALS\S40-1144_REM_NORTHRIDGELAKES_2140-14-70.DWG
LAYOUT NAME - S40-1144_rem_pg2

PLOT DATE : 4/18/2025 3:09 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

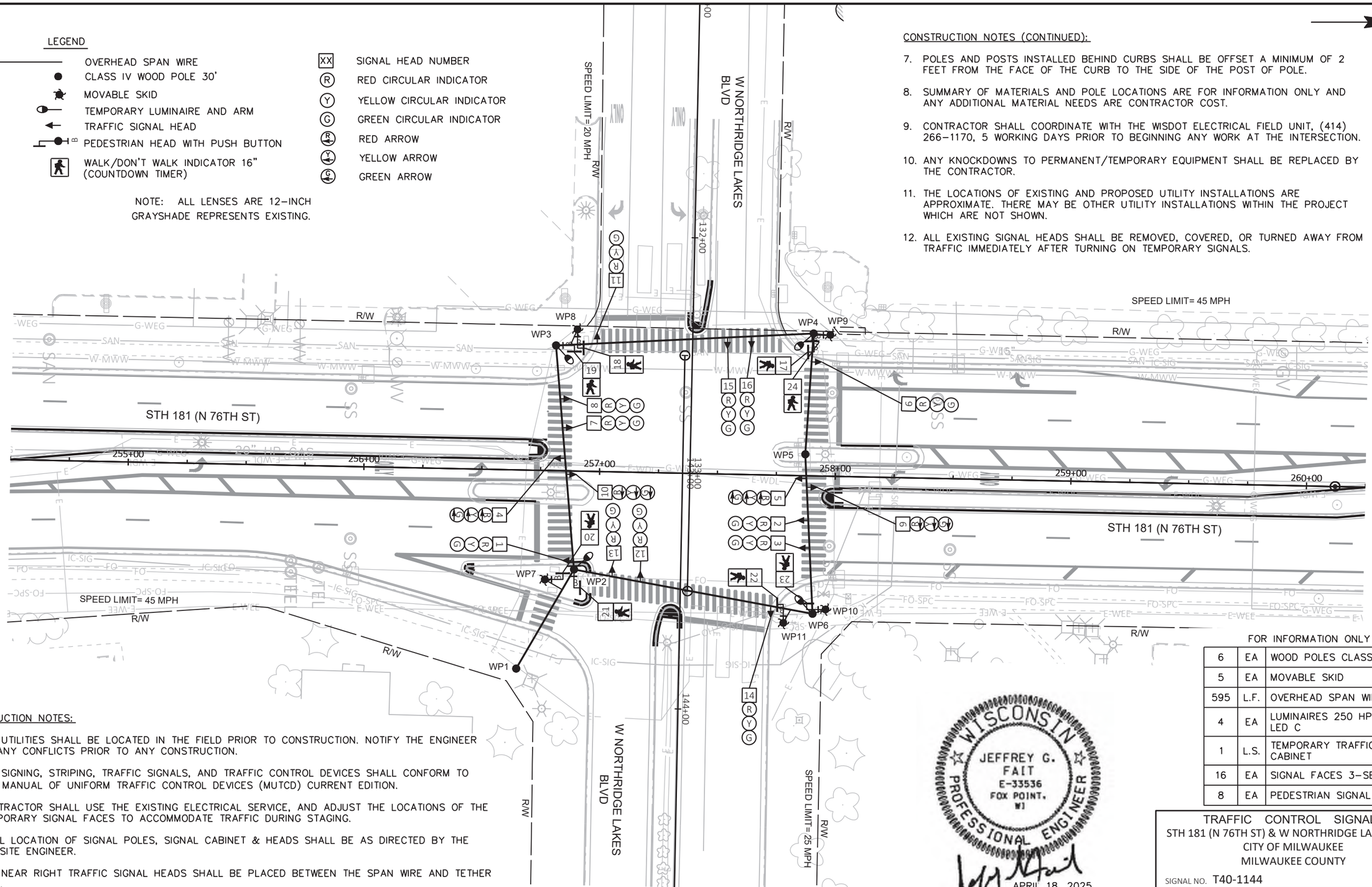
LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

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

CONSTRUCTION NOTES (CONTINUED):

7. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF THE CURB TO THE SIDE OF THE POST OF POLE.
8. SUMMARY OF MATERIALS AND POLE LOCATIONS ARE FOR INFORMATION ONLY AND ANY ADDITIONAL MATERIAL NEEDS ARE CONTRACTOR COST.
9. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT, (414) 266-1170, 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
10. ANY KNOCKDOWNS TO PERMANENT/TEMPORARY EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
11. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
12. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.



CONSTRUCTION NOTES:

1. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO ANY CONSTRUCTION.
2. ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
3. CONTRACTOR SHALL USE THE EXISTING ELECTRICAL SERVICE, AND ADJUST THE LOCATIONS OF THE TEMPORARY SIGNAL FACES TO ACCOMMODATE TRAFFIC DURING STAGING.
4. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ON-SITE ENGINEER.
5. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
6. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ON-SITE ENGINEER.

FOR INFORMATION ONLY

6	EA	WOOD POLES CLASS 4
5	EA	MOVABLE SKID
595	L.F.	OVERHEAD SPAN WIRE
4	EA	LUMINAIRES 250 HPS OR LED C
1	L.S.	TEMPORARY TRAFFIC SIGNAL CABINET
16	EA	SIGNAL FACES 3-SECTION
8	EA	PEDESTRIAN SIGNAL HEAD

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1144

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 1 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-STAGE	SHEET 301	E

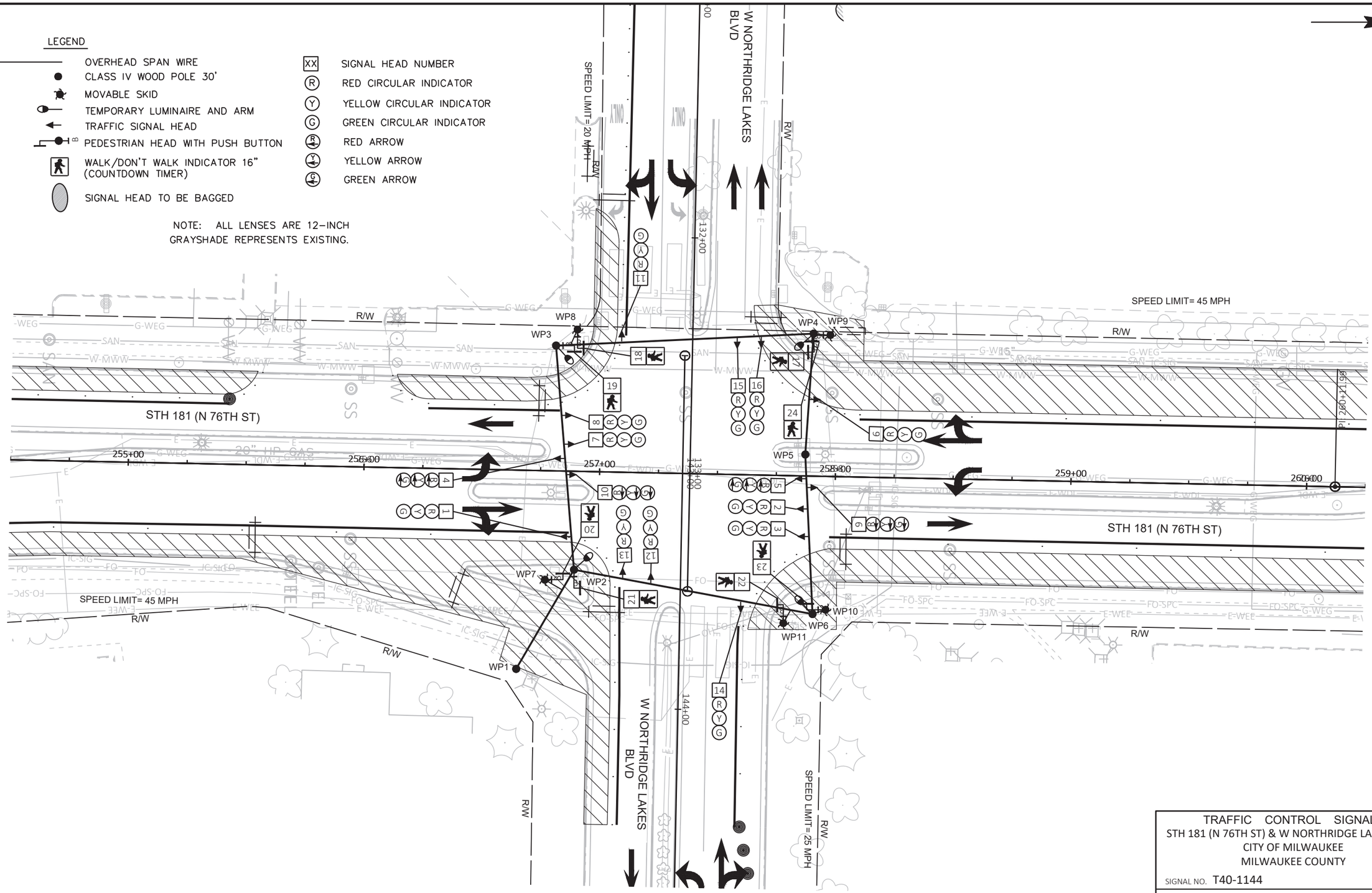
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LAYOUT NAME - T40-1144_pg1
PLOT DATE : 4/18/2025 2:48 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1144

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1	SHEET 302	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\12-NORTHRIDGE LAKES\T40-1144_NORTHRIDGELAKES_TEMP_STAGE_1.DWG
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PLOT DATE : 4/18/2025 2:48 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

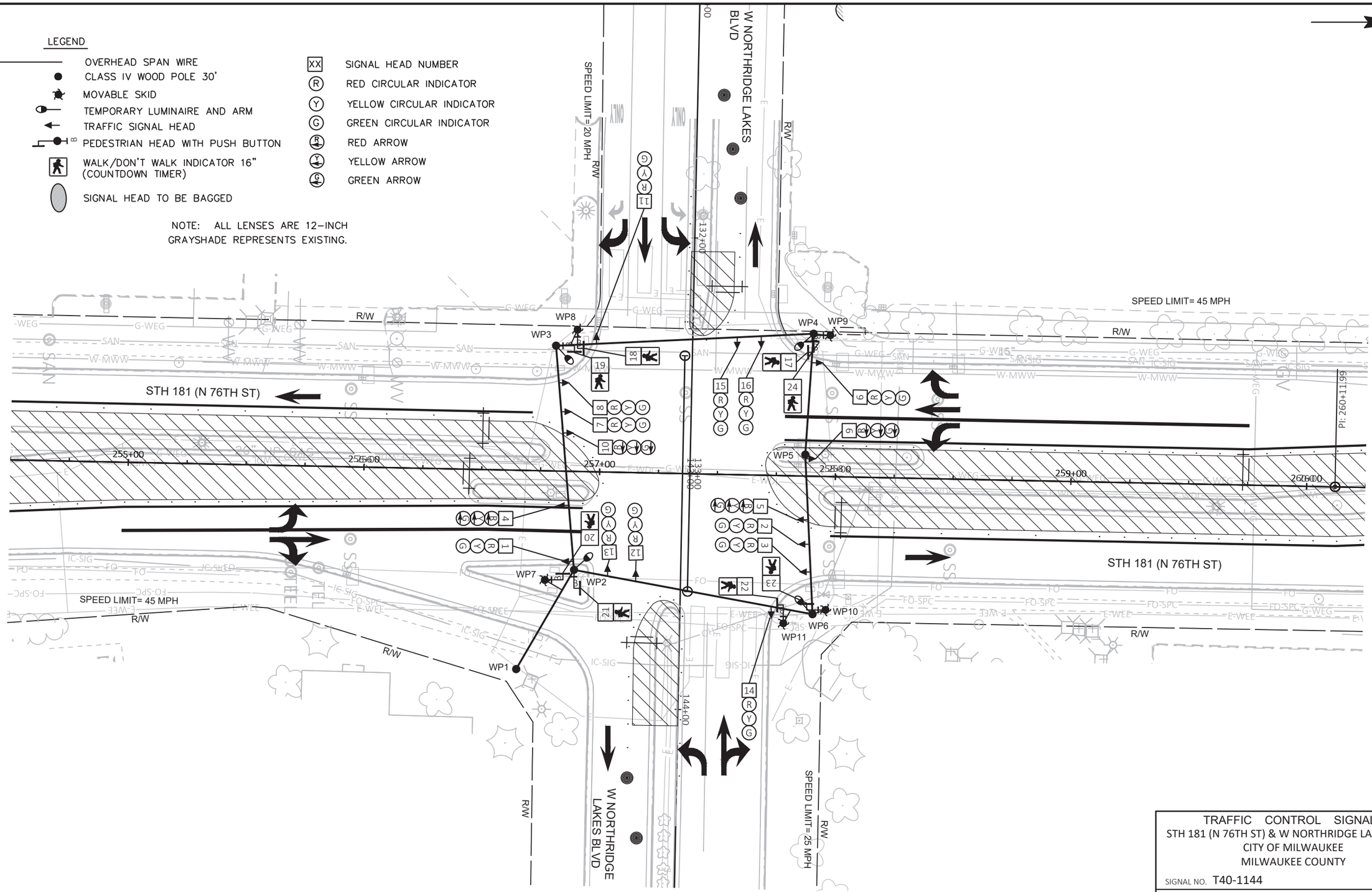
WISDOT/CADDS SHEET 42

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1144

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 3 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET 303	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\12-NORTHRIDGE LAKES\T40-1144_NORTHRIDGELAKES_TEMP_STAGE_2.DWG
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PLOT DATE : 4/18/2025 2:49 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

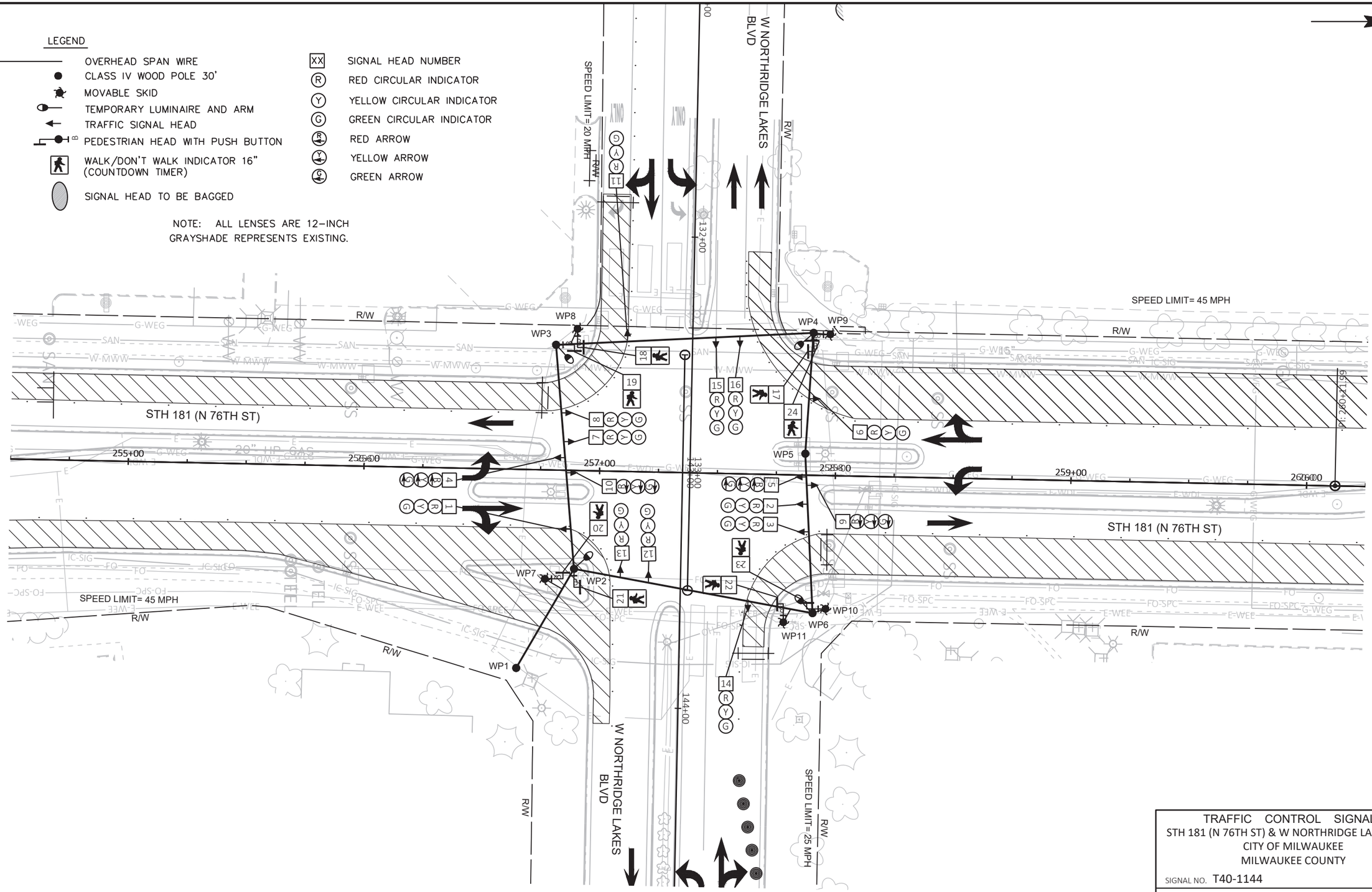
WISDOT/CADDS SHEET 42

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1144

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 4 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3A	SHEET 304	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\12-NORTHRIDGE LAKES\T40-1144_NORTHRIDGELAKES_TEMP_STAGE_3A.DWG
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PLOT DATE : 4/18/2025 2:49 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

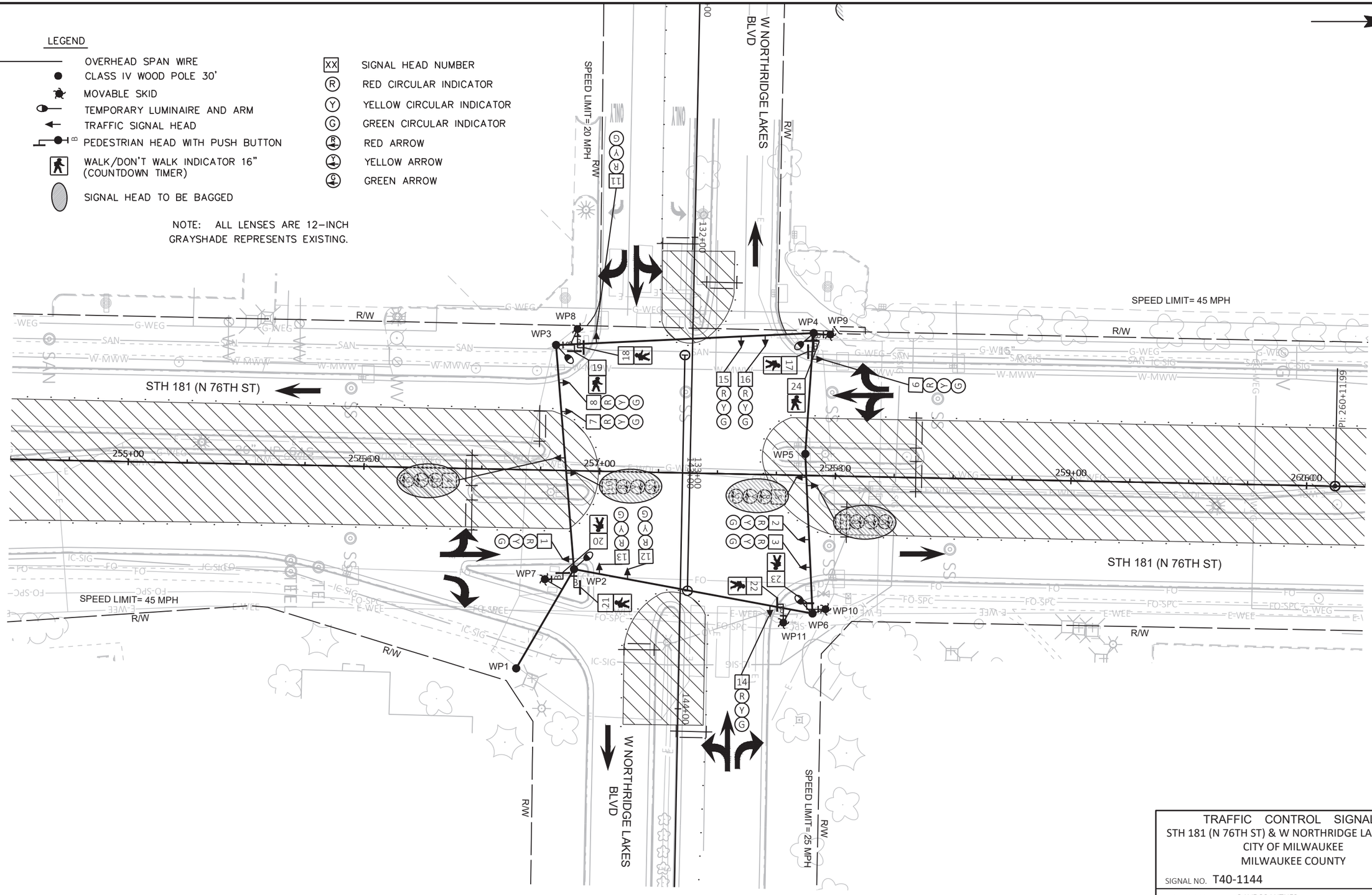
WISDOT/CADDS SHEET 42

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1144

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 5 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3B	SHEET 305	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\12-NORTHRIDGE LAKES\T40-1144_NORTHRIDGELAKES_TEMP_STAGE_3B.DWG
LAYOUT NAME - T40-1144_pg1

PLOT DATE : 4/18/2025 2:49 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

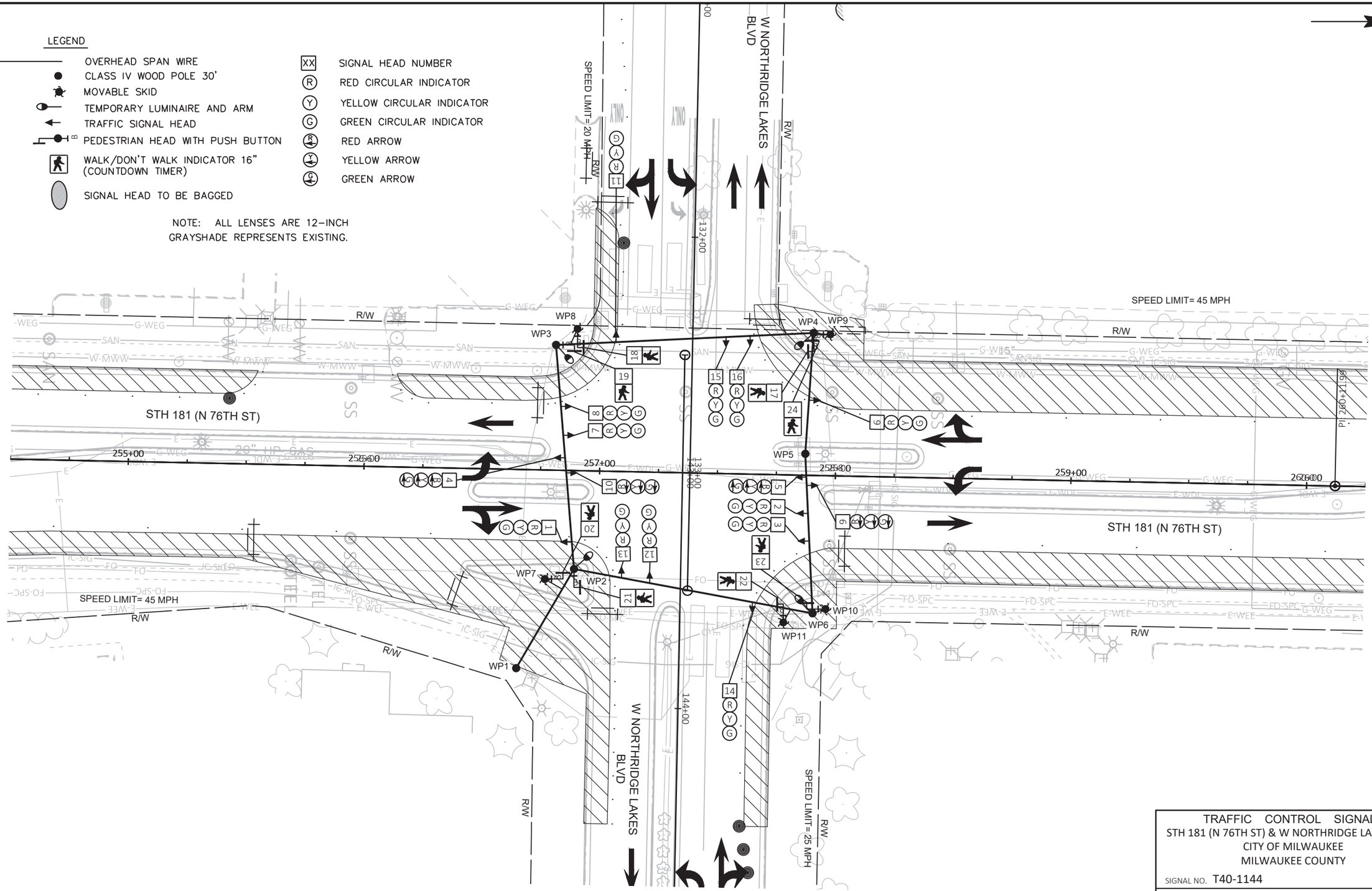
WISDOT/CADDS SHEET 42

2

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

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



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1144

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET 306	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\12-NORTHRIDGE LAKES\T40-1144_NORTHRIDGELAKES_TEMP_STAGE_4A.DWG
LAYOUT NAME - T40-1144_pg1

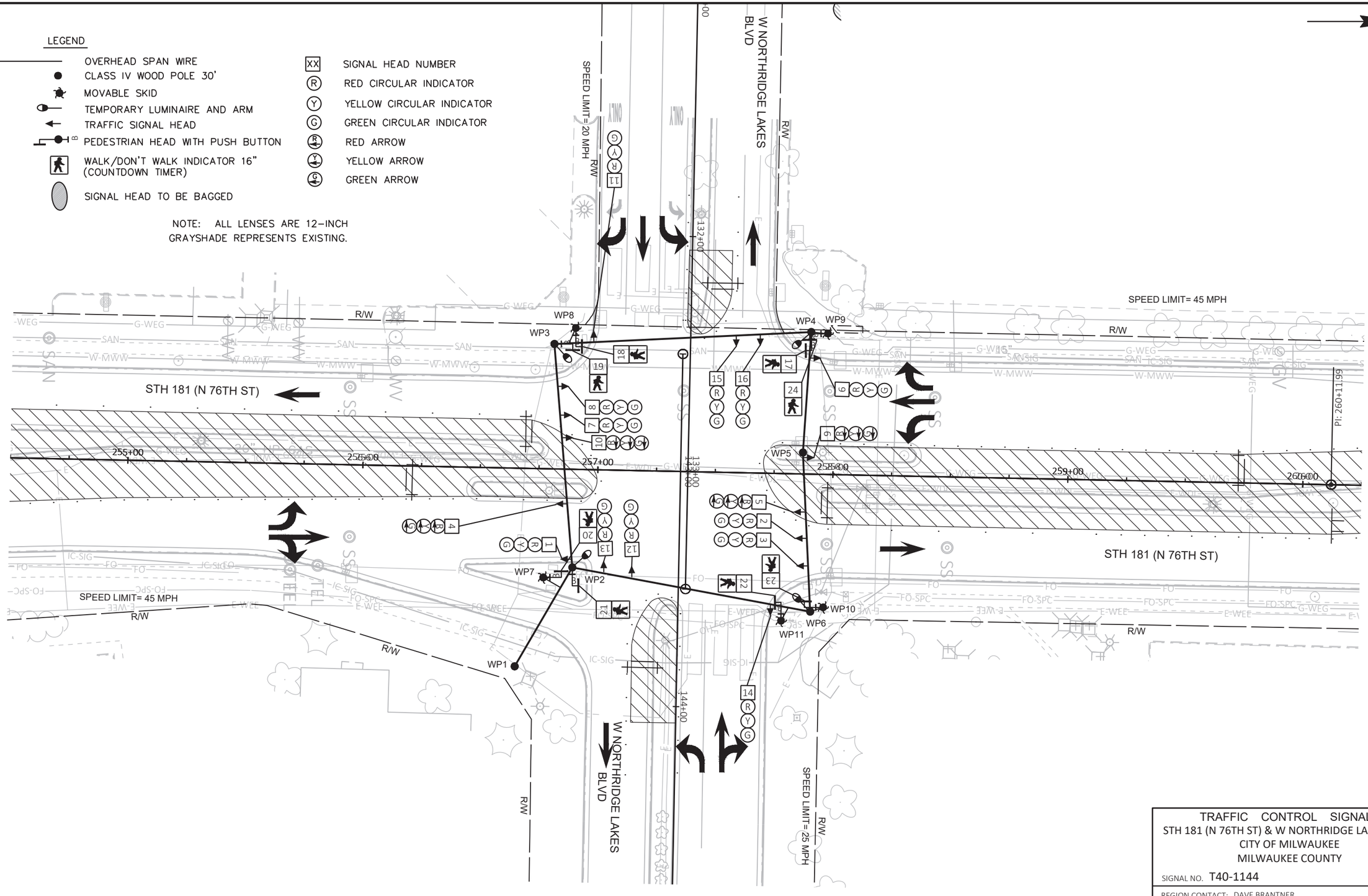
PLOT DATE : 4/18/2025 2:49 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

LEGEND

- OVERHEAD SPAN WIRE
- CLASS IV WOOD POLE 30'
- MOVABLE SKID
- TEMPORARY LUMINAIRE AND ARM
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD WITH PUSH BUTTON
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- SIGNAL HEAD TO BE BAGGED
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12–INCH
GRAYSHADE REPRESENTS EXISTING.



TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. T40-1144

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

PAGE 7 OF 8

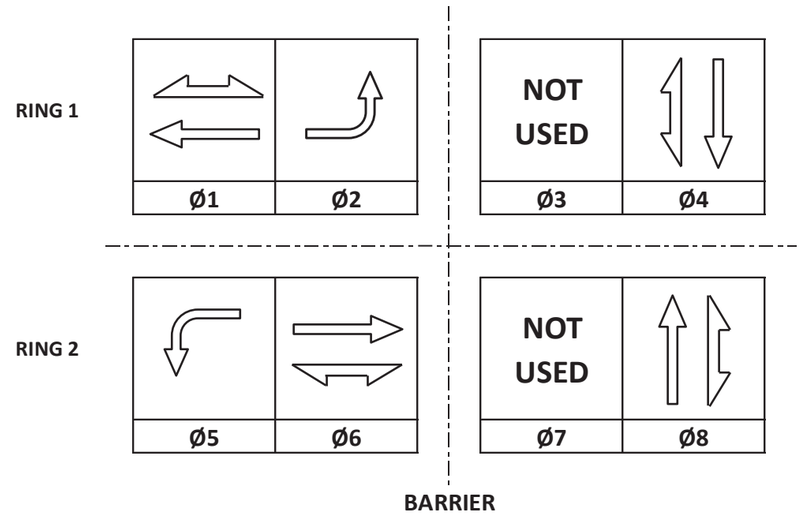
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET 307	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\TEMPORARY\12-NORTHRIDGE LAKES\T40-1144_NORTHRIDGELAKES_TEMP_STAGE_4B.DWG
LAYOUT NAME - T40-1144_pg1

PLOT DATE : 4/18/2025 2:49 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

	HEAD NUMBERS	FLASH
Ø1	6,7,8	R
Ø2	4,5	R ←
Ø3		
Ø4	11,12,13	R
Ø5	9,10	R ←
Ø6	1,2,3	R
Ø7		
Ø8	14,15,16	R
Ø1P	17,18	
Ø4P	19,20	
Ø6P	21,22	
Ø8P	23,24	
OLE		
OLF		
OLG		
OLH		

N



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

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

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

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

GENERAL NOTES:

1. PHASES 2 AND 5 ARE IN CONFLICT AND SHALL NOT RUN CONCURRENTLY.

2. OMIT PHASES 2 AND 5 DURING CONSTRUCTION STAGE 3B.

CONTROLLER LOGIC

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

STH 181 (N 76TH ST) & NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: T40-1144 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 5/25 PAGE NUMBER: 8 OF 8

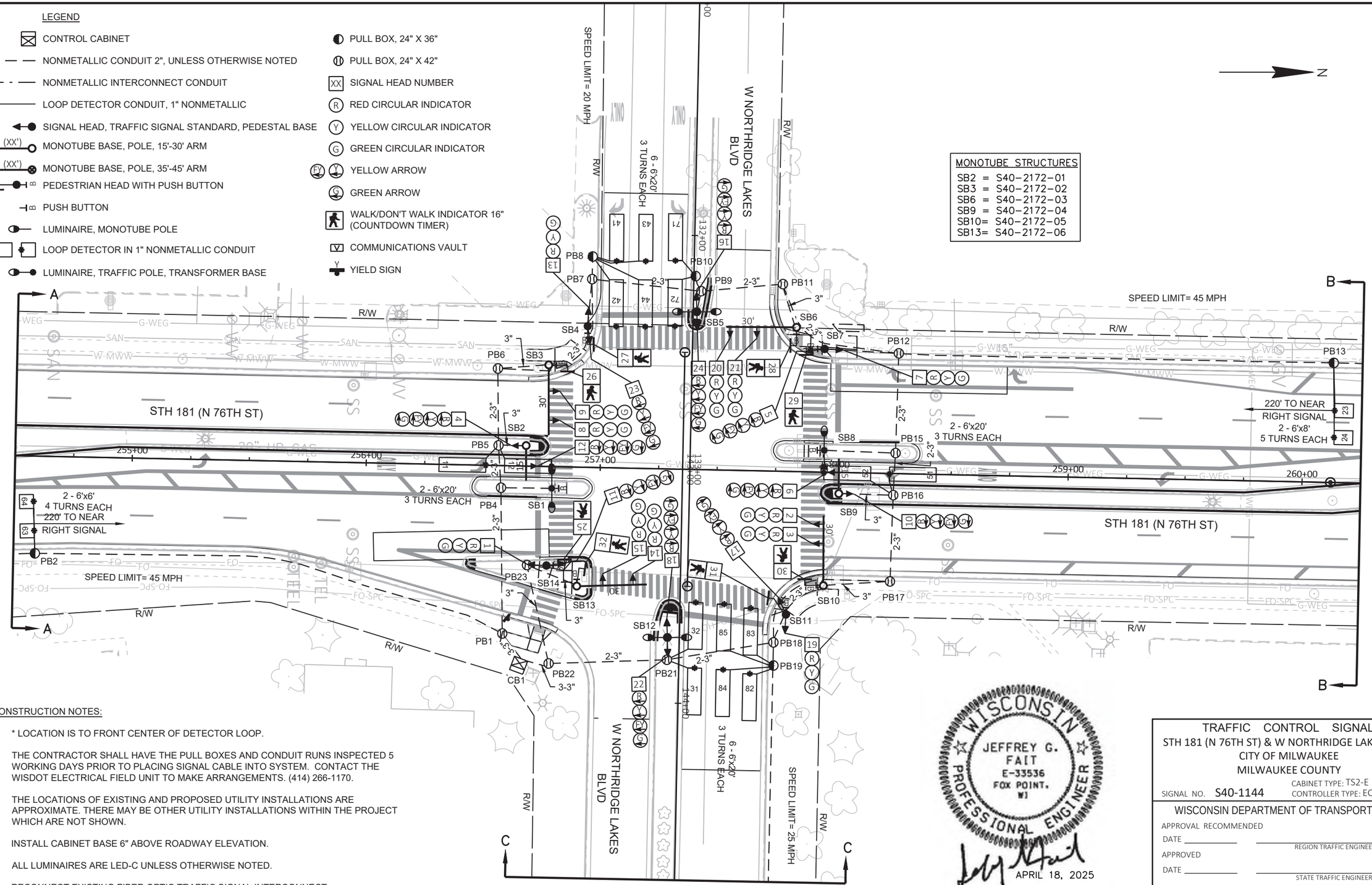
2

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX') MONOTUBE BASE, POLE, 15'-30' ARM
- (XX') MONOTUBE BASE, POLE, 35'-45' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, MONOTUBE POLE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY Y YELLOW ARROW
- FG G GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- COMMUNICATIONS VAULT
- Y YIELD SIGN

MONOTUBE STRUCTURES
SB2 = S40-2172-01
SB3 = S40-2172-02
SB6 = S40-2172-03
SB9 = S40-2172-04
SB10= S40-2172-05
SB13= S40-2172-06



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. RECONNECT EXISTING FIBER OPTIC TRAFFIC SIGNAL INTERCONNECT.

WISCONSIN
JEFFREY G. FAIT
E-33536
FOX POINT, WI
PROFESSIONAL ENGINEER
APRIL 18, 2025

TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1144
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE _____ REGION TRAFFIC ENGINEER
APPROVED
DATE _____ STATE TRAFFIC ENGINEER

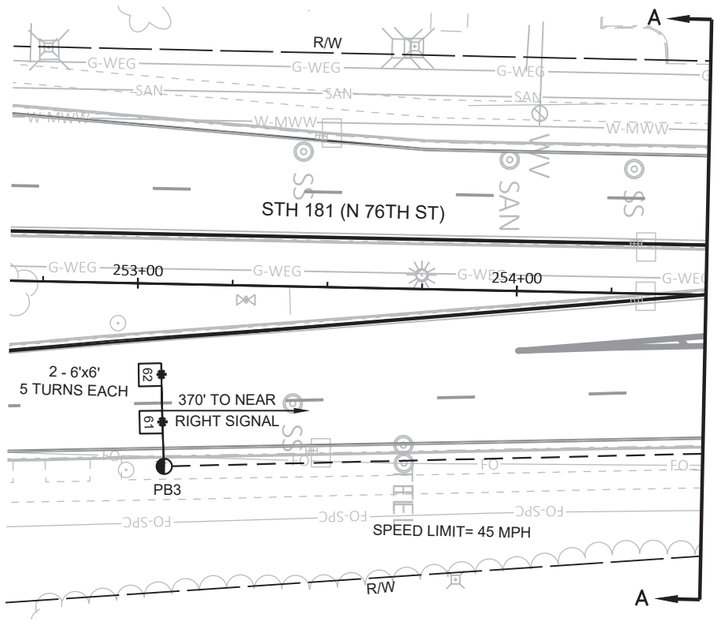
REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY: TADI

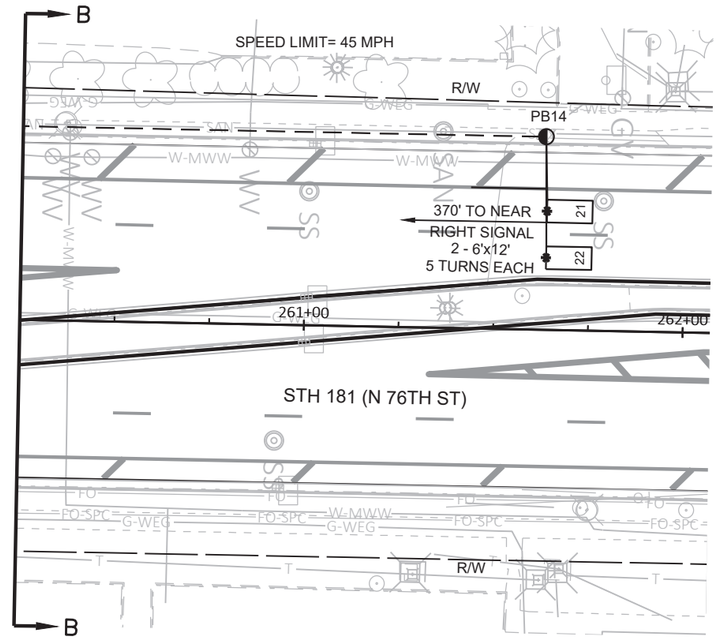
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 309	E

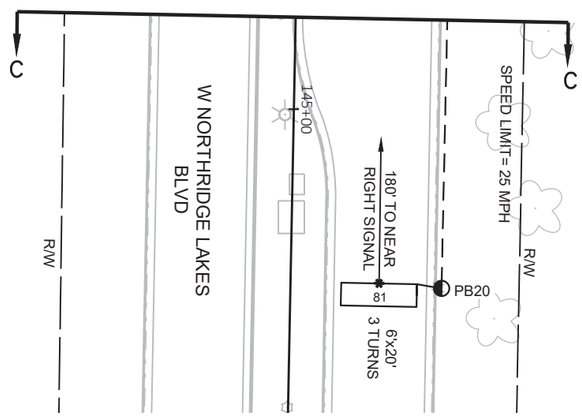
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LAYOUT NAME - S40-1144_pg1
PLOT DATE : 4/18/2025 7:21 PM
PLOT BY : JEFF FAIT
PLOT NAME :
PLOT SCALE : ##########

2

N







TRAFFIC CONTROL SIGNAL
STH 181 (N 76TH ST) & W NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1144

REGION CONTACT: DAVE BRANTNER
DESIGNED BY: TADI
REVISED BY:

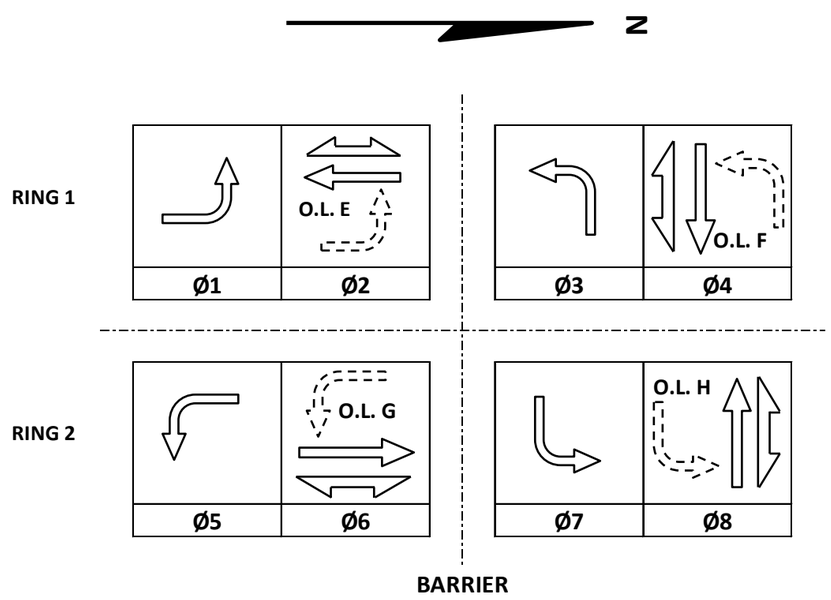
PAGE 2 OF 3

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 310	E

FILE NAME : Z:\SHARED\WI\2986 76TH ST 2140-14-00\CAD\PERMANENT\S40-1144_NORTHRIDGELAKES_2140-14-70.DWG
LAYOUT NAME - S40-1144_pg2

PLOT DATE : 4/18/2025 7:21 PM PLOT BY : JEFF FAIT PLOT NAME : PLOT SCALE : ##########

	HEAD NUMBERS	FLASH
Ø1	4,5,6	R ←
Ø2	7,8,9	R
Ø3	22,23,24	R ←
Ø4	13,14,15	R
Ø5	10,11,12	R ←
Ø6	1,2,3	R
Ø7	16,17,18	R ←
Ø8	19,20,21	R
Ø2P	27,28	
Ø4P	25,26	
Ø6P	31,32	
Ø8P	29,30	
OLE	4,5,6	-
OLF	22,23,24	-
OLG	10,11,12	-
OLH	16,17,18	-



CONTROLLER LOGIC

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

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

TYPE OF COORDINATION		
NONE		
TBC		X
TRAFFIC RESPONSIVE		
ADAPTIVE		
*LOCATION OF MASTER CONTROLLER NO:	S-	
SIGNAL SYSTEM NO:	SS-	40-0202

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

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)	11	21	23	31	41	43	51	61	63	71	81	83	85				PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	4	2	6	6	8	8	8	8				CALLED PHASE
CALL OPTION	X	X	X	X	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	X	X	X	X	X				EXTENTION OPTION
EXTEND TIME											X						EXTEND TIME
USE ADDED INITIAL		X	X					X	X								USE ADDED INITIAL
CROSS SWITCH PHASE	2						6										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)	12	22	24	32	42	44	52	62	64	72	82	84					PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	4	2	6	6	8	8	8					CALLED PHASE
CALL OPTION	X	X	X	X	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	X	X	X	X					EXTENTION OPTION
EXTEND TIME																	EXTEND TIME
USE ADDED INITIAL		X	X					X	X								USE ADDED INITIAL
CROSS SWITCH PHASE	2						6										CROSS SWITCH PHASE

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

GENERAL NOTES:

1. PHASES 3 AND 7 ARE OMITTED 24/7.

STH 181 (N 76TH ST) & NORTHRIDGE LAKES BLVD
CITY OF MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: S40-1144 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: 5/25 PAGE NUMBER: 3 OF 3

PROJECT ID:	2140-14-70
INTERSECTION:	STH 181 AT NORTHRIDGE LAKES BLVD

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

CB1 TO	JUMPER	# OF COND. AWG 14	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	PED BUTTON 2
				RED	YELLOW	GREEN	<RED	<YELLOW>	<FL YELLOW>	<GREEN>	D/WALK	WALK		
SB1		7	B										WHT/BLK	
SB2		12	4				RED	ORG	BLK/WHT	GRN				
			12				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK				
SB3		12	8	RED	ORG	GRN								
			9	RED	ORG	GRN								
			26								BLK	BLU		
			B										WHT/BLK	
SB4		15	13	RED	ORG	GRN								
			23				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			27								BLK	BLU		
			B										WHT/BLK	
SB5		12	16				RED	ORG	BLK/WHT	GRN				
			24				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK				
SB6		12	20	RED	ORG	GRN								
			21	RED	ORG	GRN								
			28								BLK	BLU		
			B										WHT/BLK	
SB7		15	5				RED	ORG	BLK/WHT	GRN				
			7	RED/BLK	ORG/BLK	GRN/BLK								
			29								BLK	BLU		
			B										WHT/BLK	
SB8		7	B										WHT/BLK	
SB9		12	6				RED	ORG	BLK/WHT	GRN				
			10				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK				
SB10		12	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
			30								BLK	BLU		
			B										WHT/BLK	
SB11		15	17				RED	ORG	BLK/WHT	GRN				
			19	RED/BLK	ORG/BLK	GRN/BLK								
			31								BLK	BLU		
			B										WHT/BLK	
SB12		12	18				RED	ORG	BLK/WHT	GRN				
			22				RED/BLK	ORG/BLK	BLU/BLK	GRN/BLK				
SB13		12	14	RED	ORG	GRN								
			15	RED	ORG	GRN								
			32								BLK	BLU		
			B										WHT/BLK	
SB14		15	1	RED	ORG	GRN								
			11				RED/BLK	ORG/BLK	BLK/WHT	GRN/BLK				
			25								BLK	BLU		
			B										WHT/BLK	

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	SB12
SB12	SB13
SB13	SB14
SB14	CB1

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
CB1	PB1
SB1	PB4
SB2	PB5
SB3	PB6
SB4	PB7
SB5	PB9
SB6	PB11
SB7	PB12
SB8	PB15
SB9	PB16
SB10	PB17
SB11	PB18
SB12	PB21
CB1	PB22
SB13	PB23

LIGHTING UF 12 AWG W/GROUND	
FROM	TO
CB1	SB1
SB1	SB5
CB1	SB12
SB12	SB8

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

2

2

LEGEND

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

(B) MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE

(C) MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' LINE, 36.5' GAP)
MARKING LINE GROOVED WET REF EPOXY 6-INCH, WHITE (12.5' LINE, 36.5' GAP)

(D) MARKING LINE GROOVED WET REF 10-INCH EPOXY

(E) MARKING LINE GROOVED BLACK EPOXY 10-INCH (3' LINE, 9' GAP)
MARKING LINE GROOVED WET REF 10-INCH EPOXY (3' LINE, 9' GAP)

(F) MARKING DIAGONAL EPOXY 12-INCH

(G) MARKING CHEVRON EPOXY 24-INCH

(H) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

(I) MARKING CROSSWALK EPOXY BLOCK STYLE 12-INCH WHITE

(J) MARKING STOP LINE EPOXY 18-INCH

(K) MARKING ARROW EPOXY

(L) MARKING WORD EPOXY

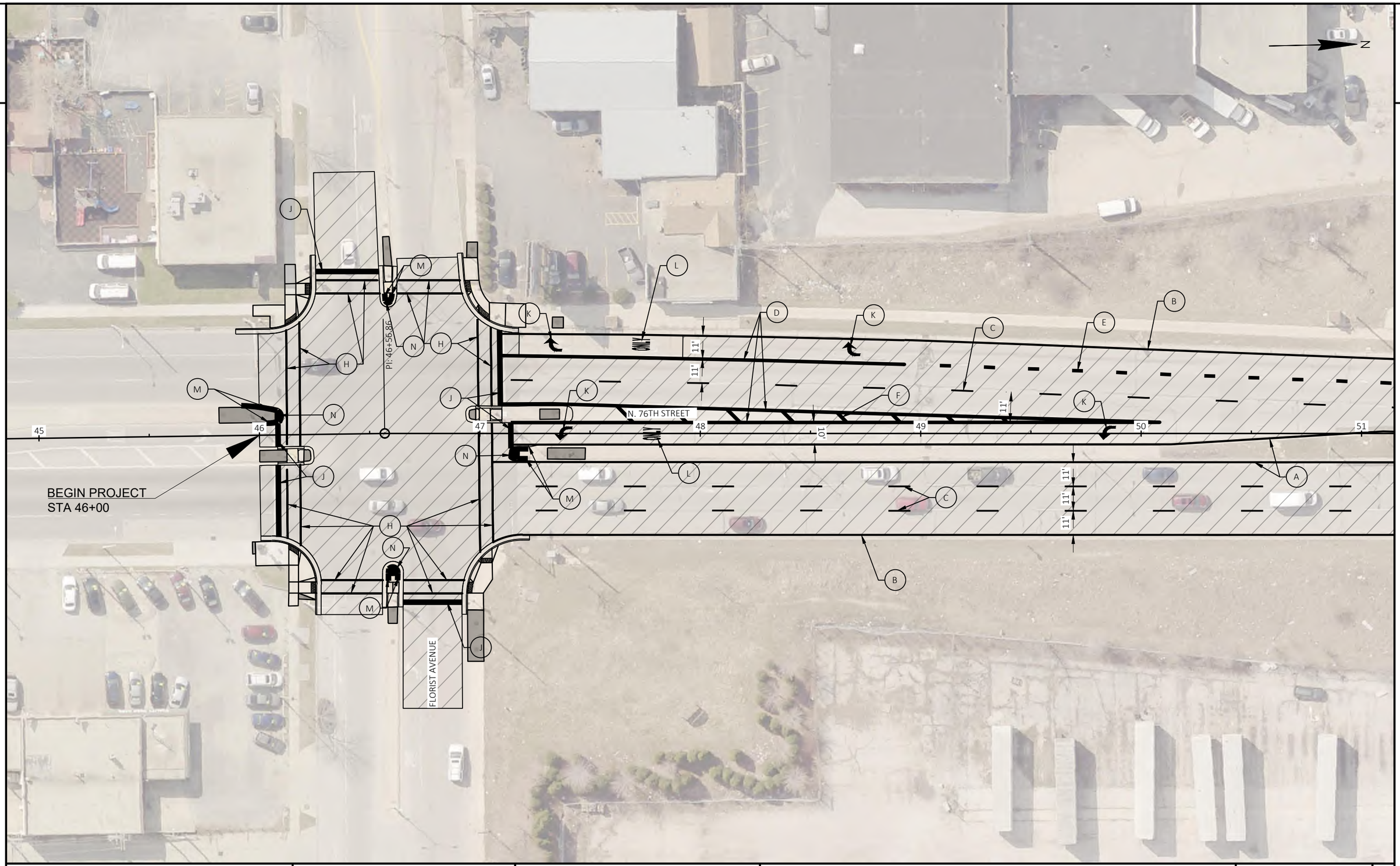
(M) MARKING CURB EPOXY

(N) MARKING ISLAND NOSE EPOXY

(S) MARKING LINE EPOXY 6-INCH, YELLOW (3' LINE, 9' GAP)

(U) MARKING LINE GROOVED BLACK EPOXY 10-INCH (2' LINE, 6' GAP)
MARKING LINE GROOVED WET REF 10-INCH EPOXY (2' LINE, 6' GAP)

2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 314	E

2

2

N

UNION PACIFIC RAILROAD

N. 76TH STREET

11'
11'
11'

11'
11'
11'

51 52 53 54 55 56 57

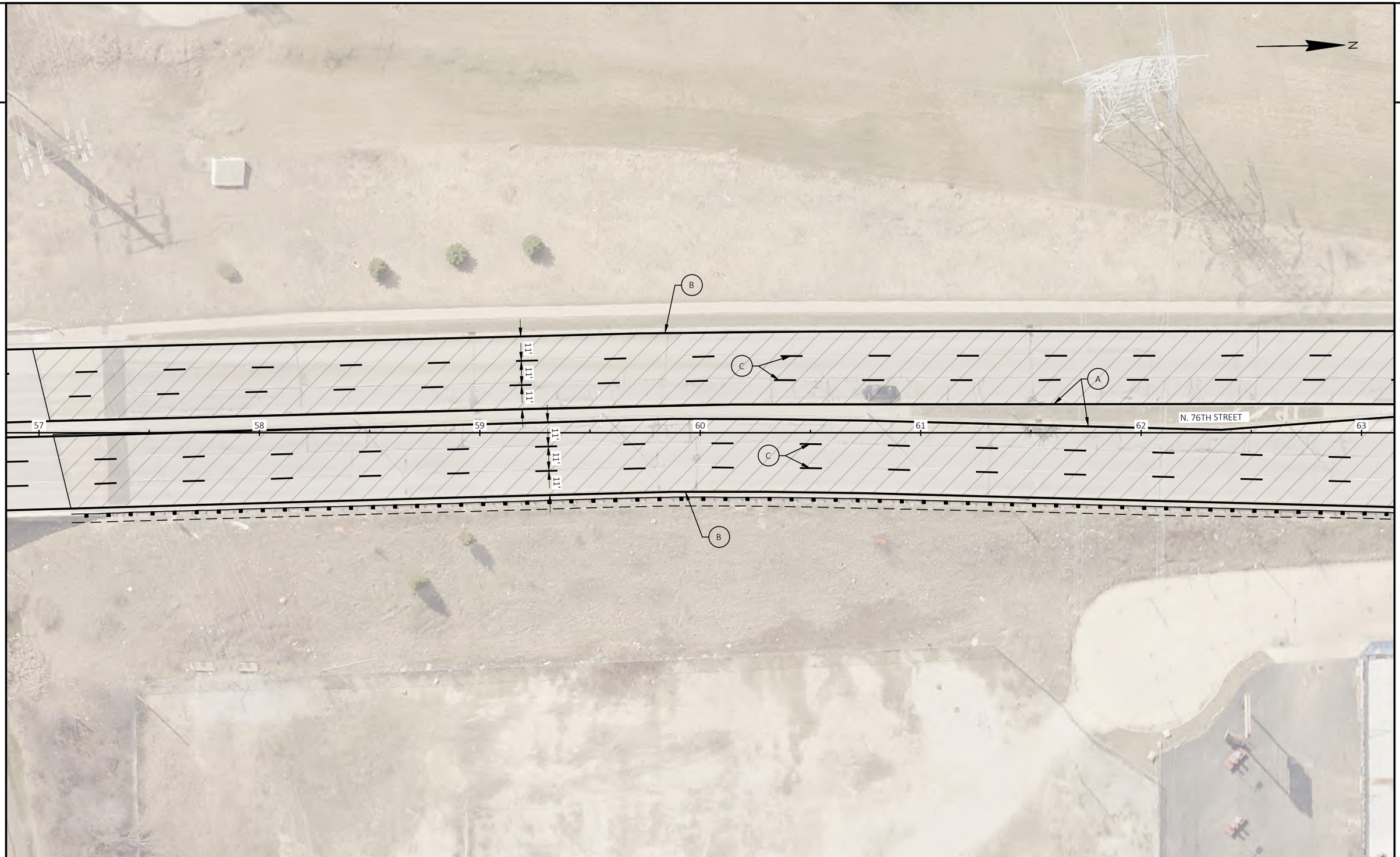
A B C E K

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 315	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 02

PLOT DATE : 4/23/2025 2:34 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



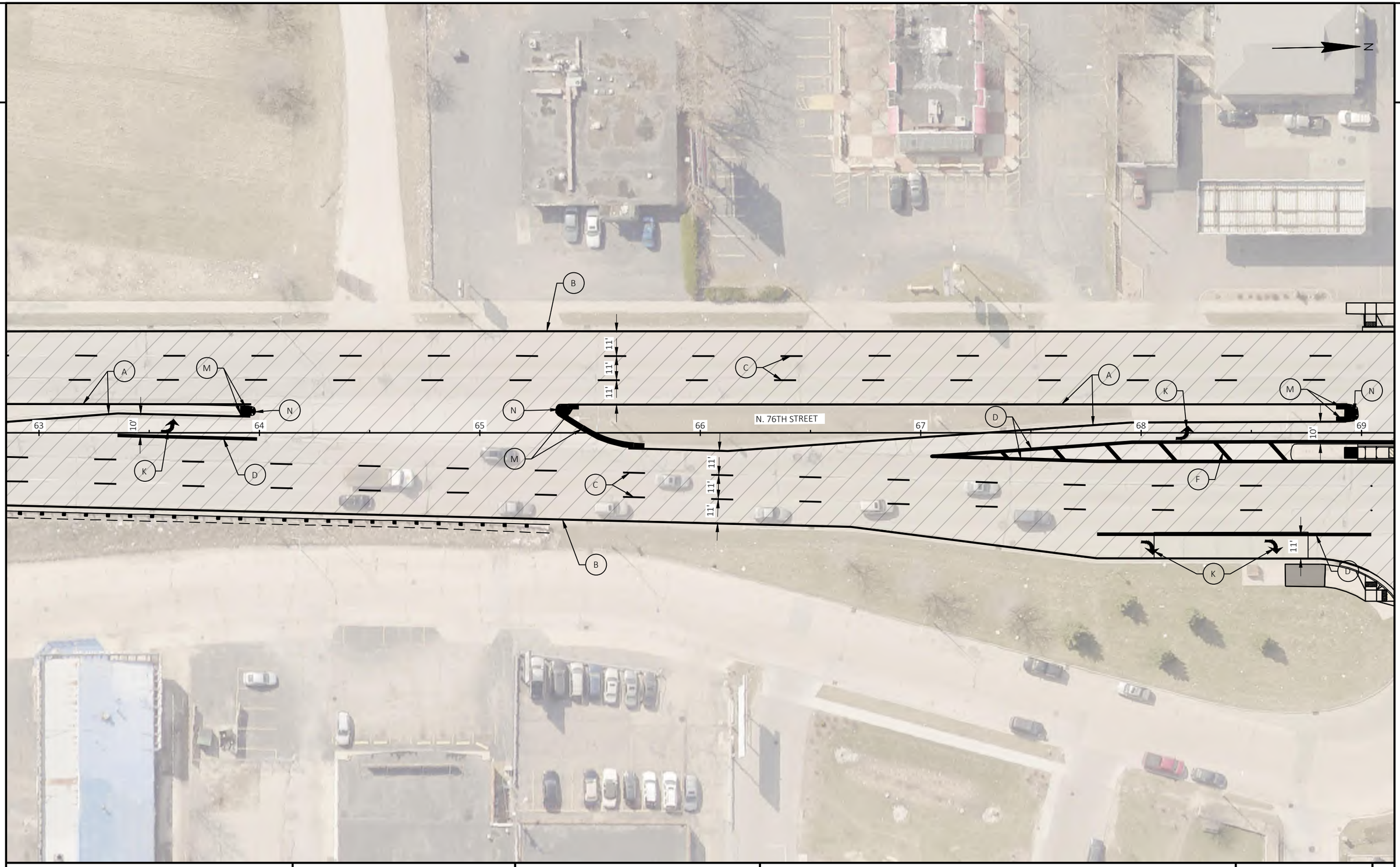
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 316	E

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LAYOUT NAME - 03

PLOT DATE : 4/23/2025 2:34 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

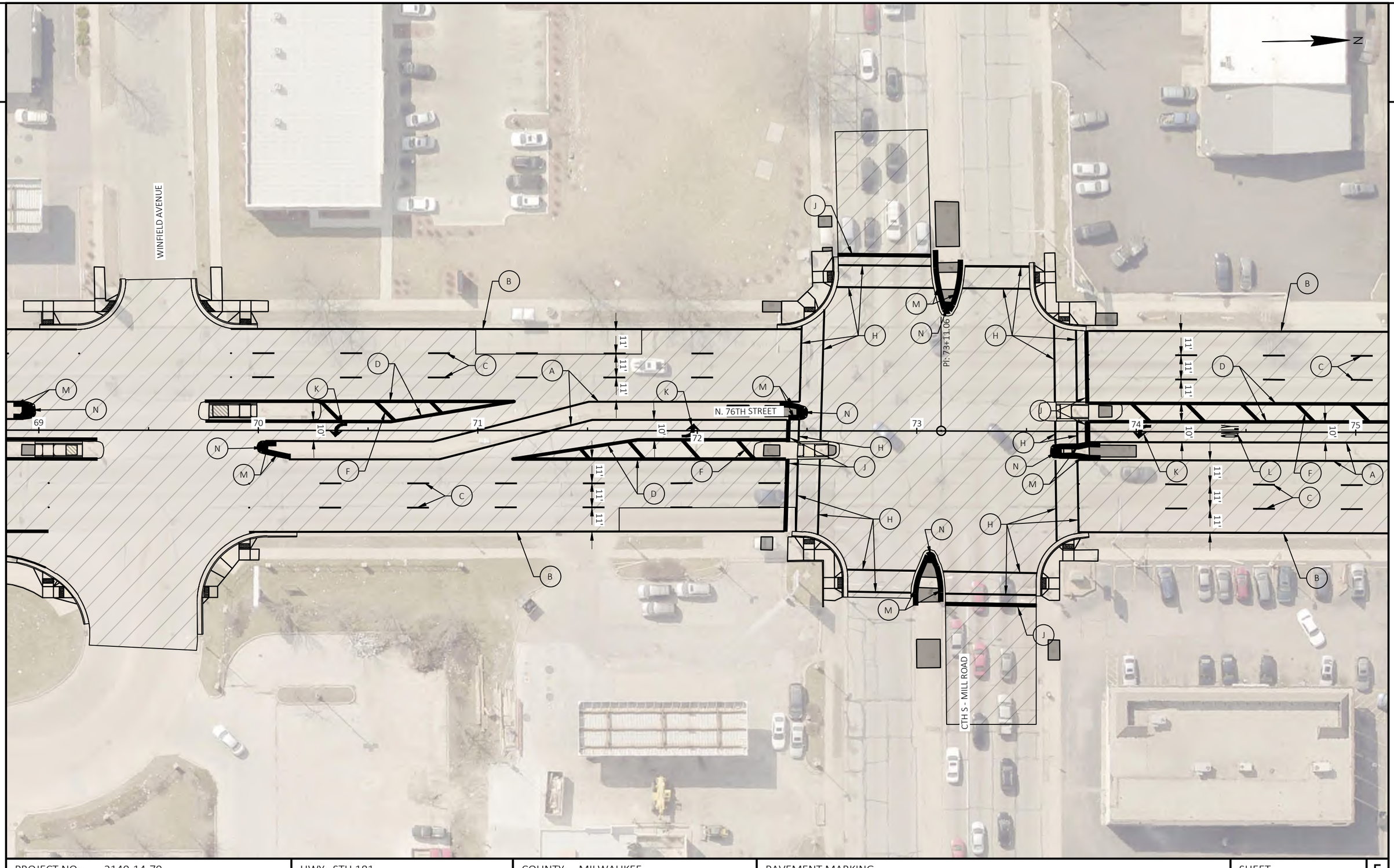


2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 317	E

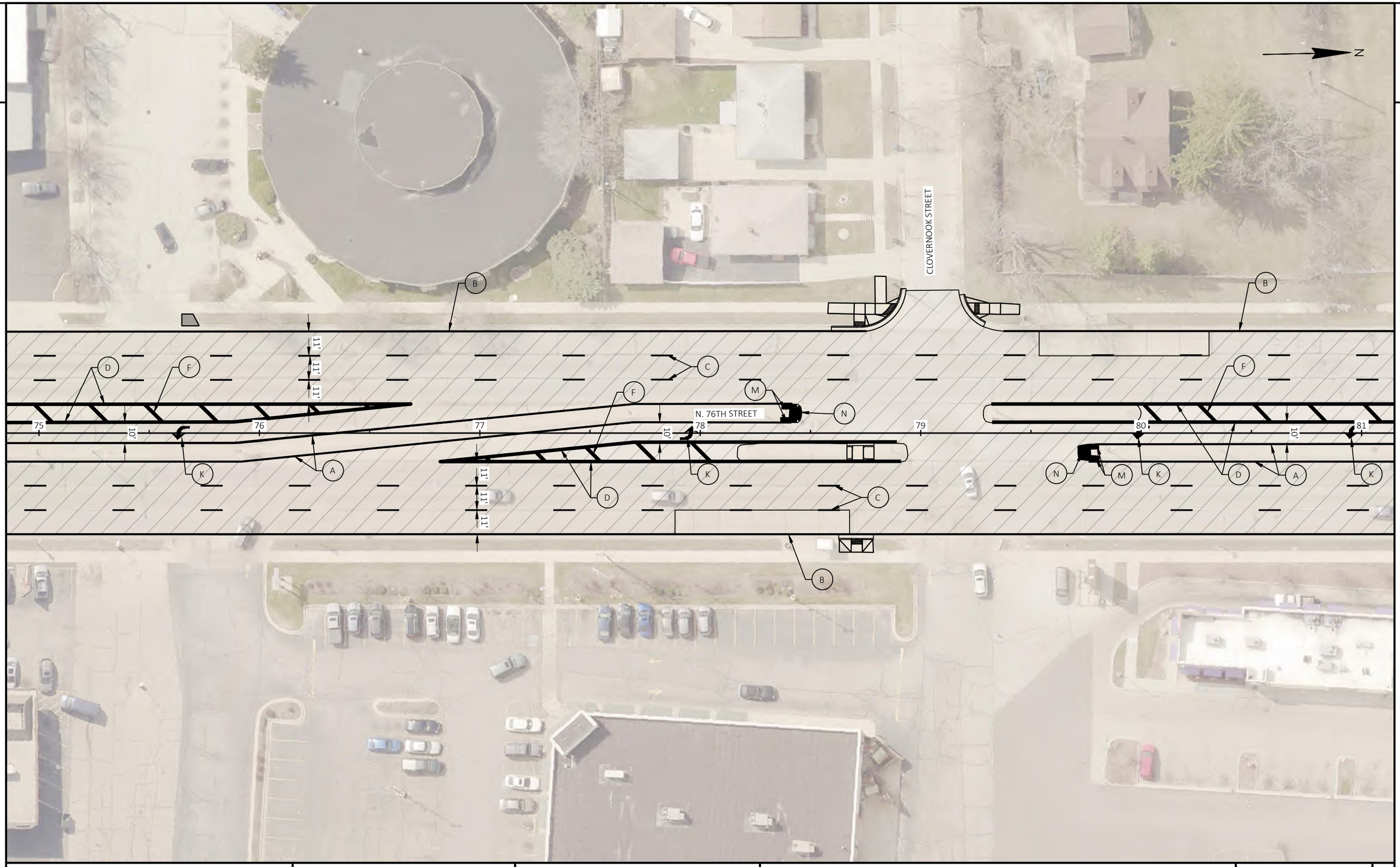
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 04
PLOT DATE : 4/23/2025 2:34 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 318	E

2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 319	E

2

2

N

ACACIA STREET

N. 76TH STREET

81 82 83 84 85 86 87

10'

11' 11' 11'

A B C D F I J K M N

PROJECT NO: 2140-14-70 | HWY: STH 181 | COUNTY: MILWAUKEE | PAVEMENT MARKING | SHEET 320 | E

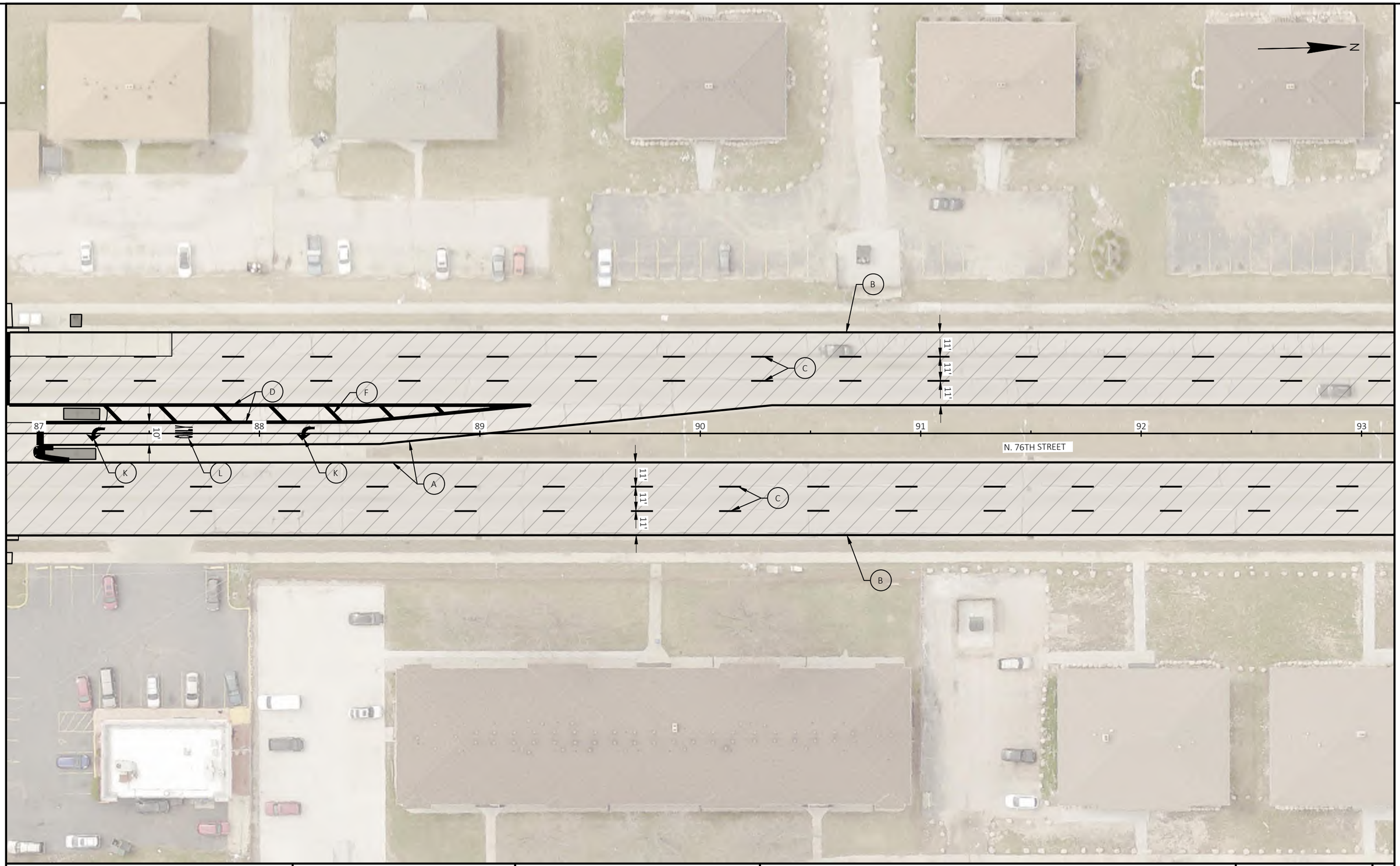
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 07

PLOT DATE : 4/23/2025 2:34 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2



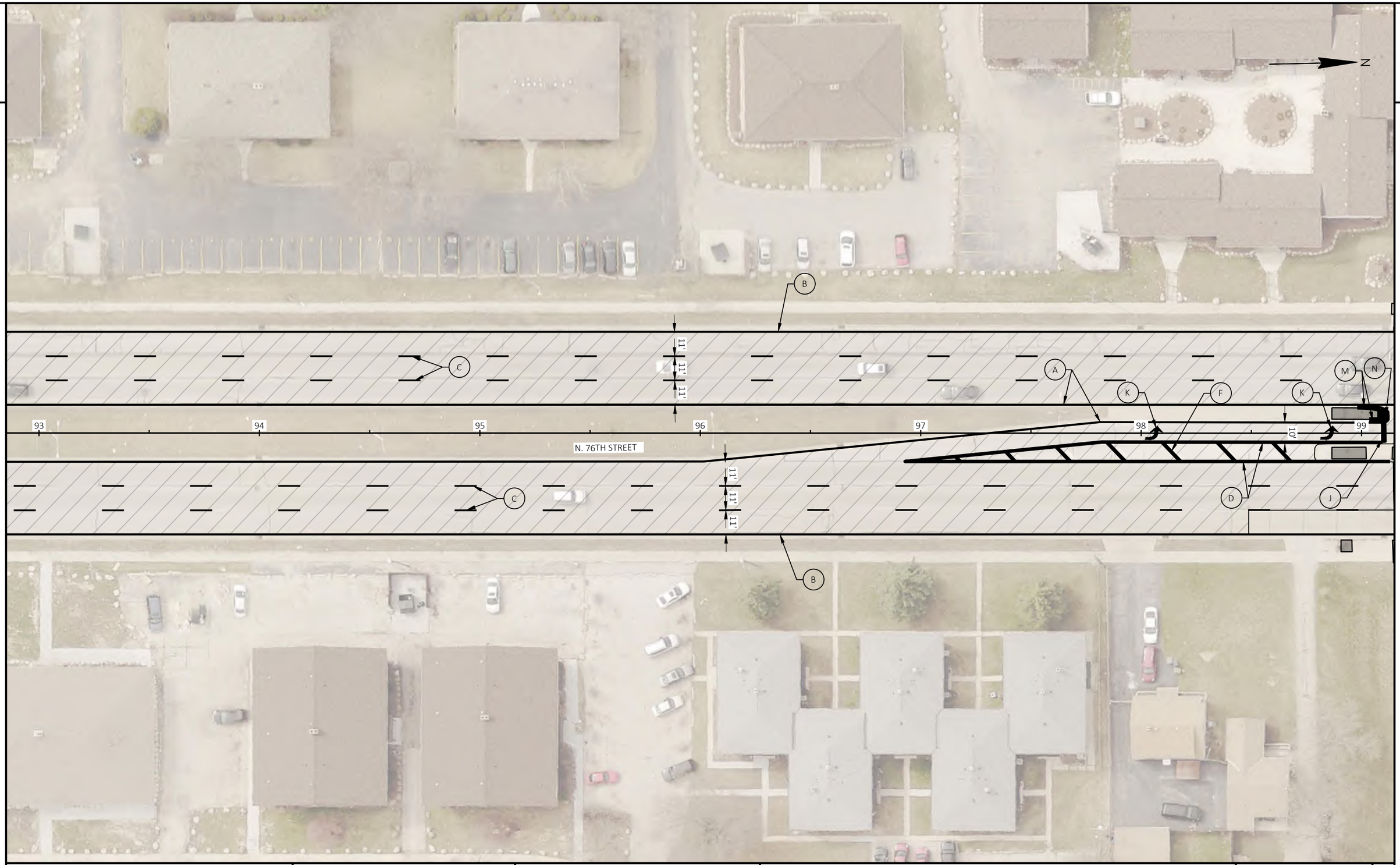
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 321	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 08

PLOT DATE : 4/23/2025 2:34 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

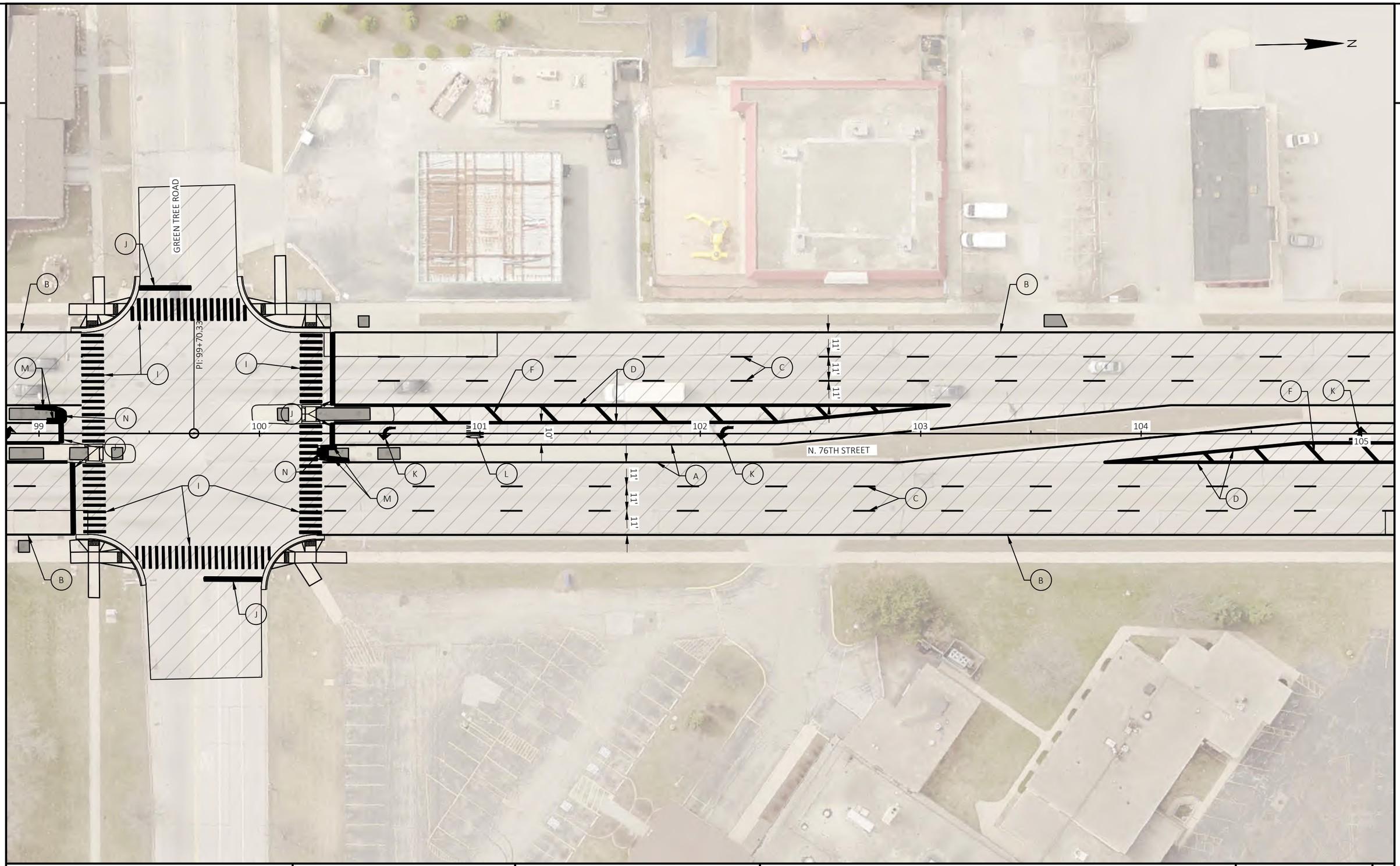


PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 322	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 09

PLOT DATE : 4/23/2025 2:34 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

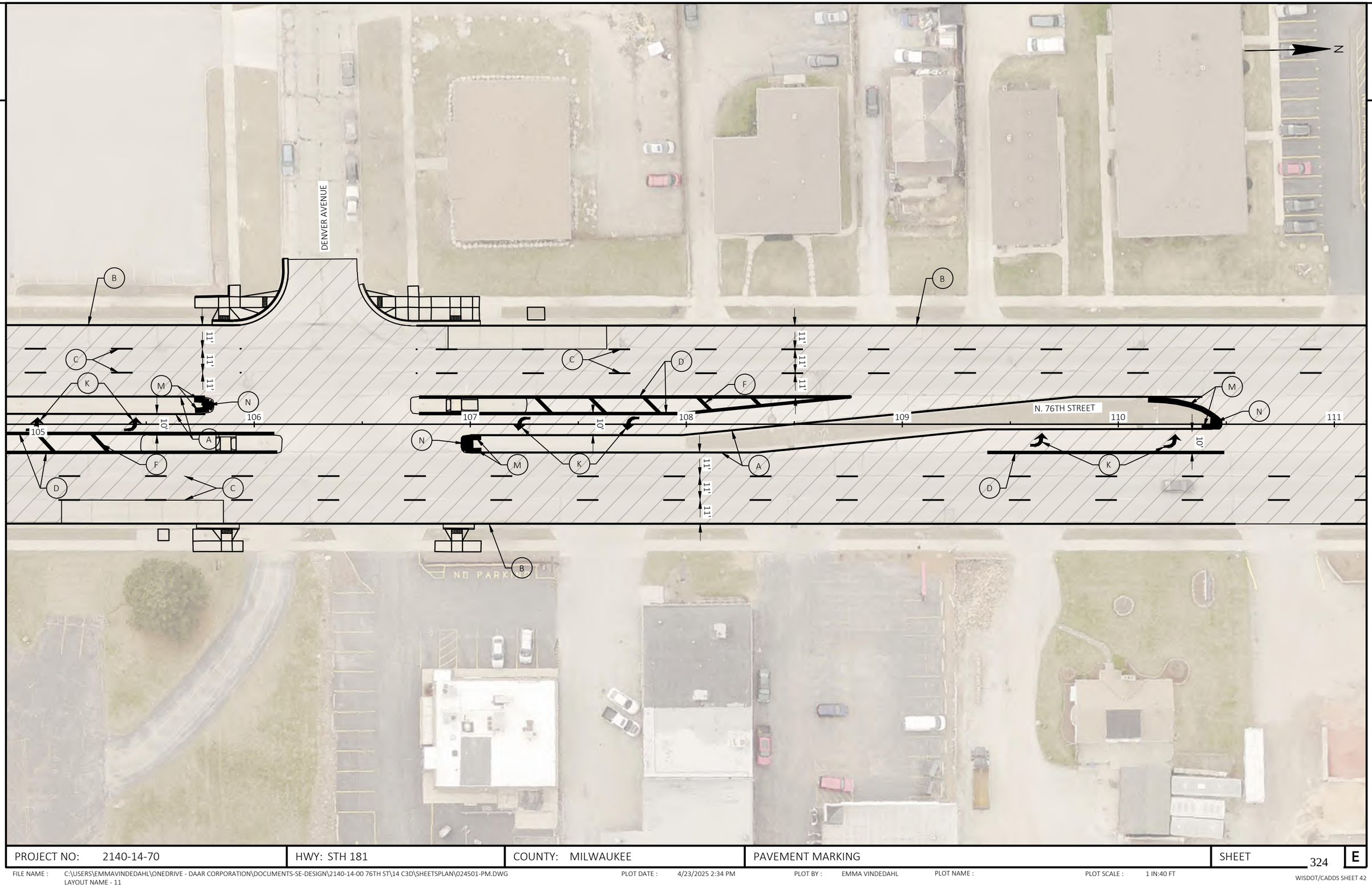


PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 323	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 10

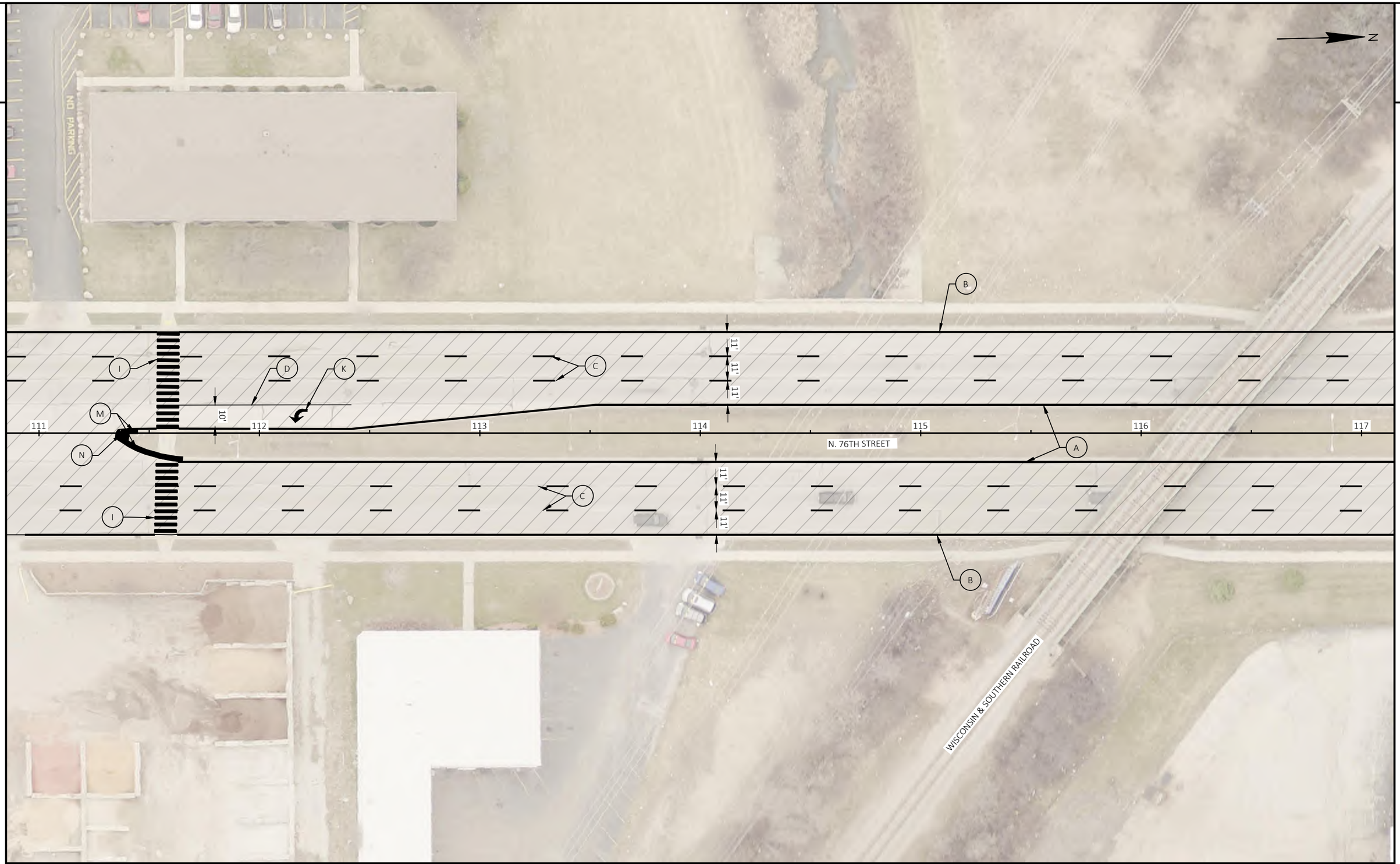
PLOT DATE : 4/23/2025 2:34 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



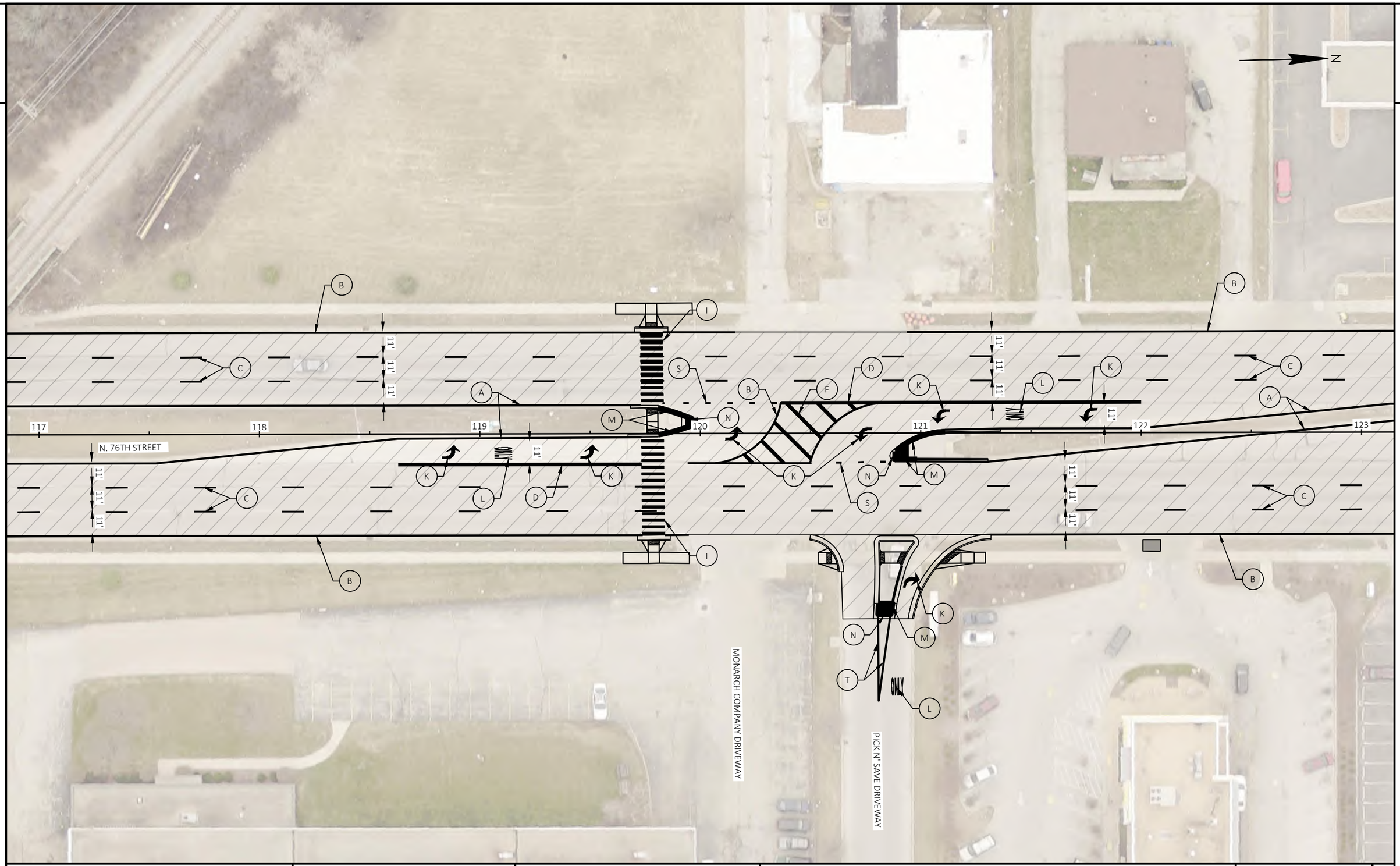
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 324	E

2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 325	E

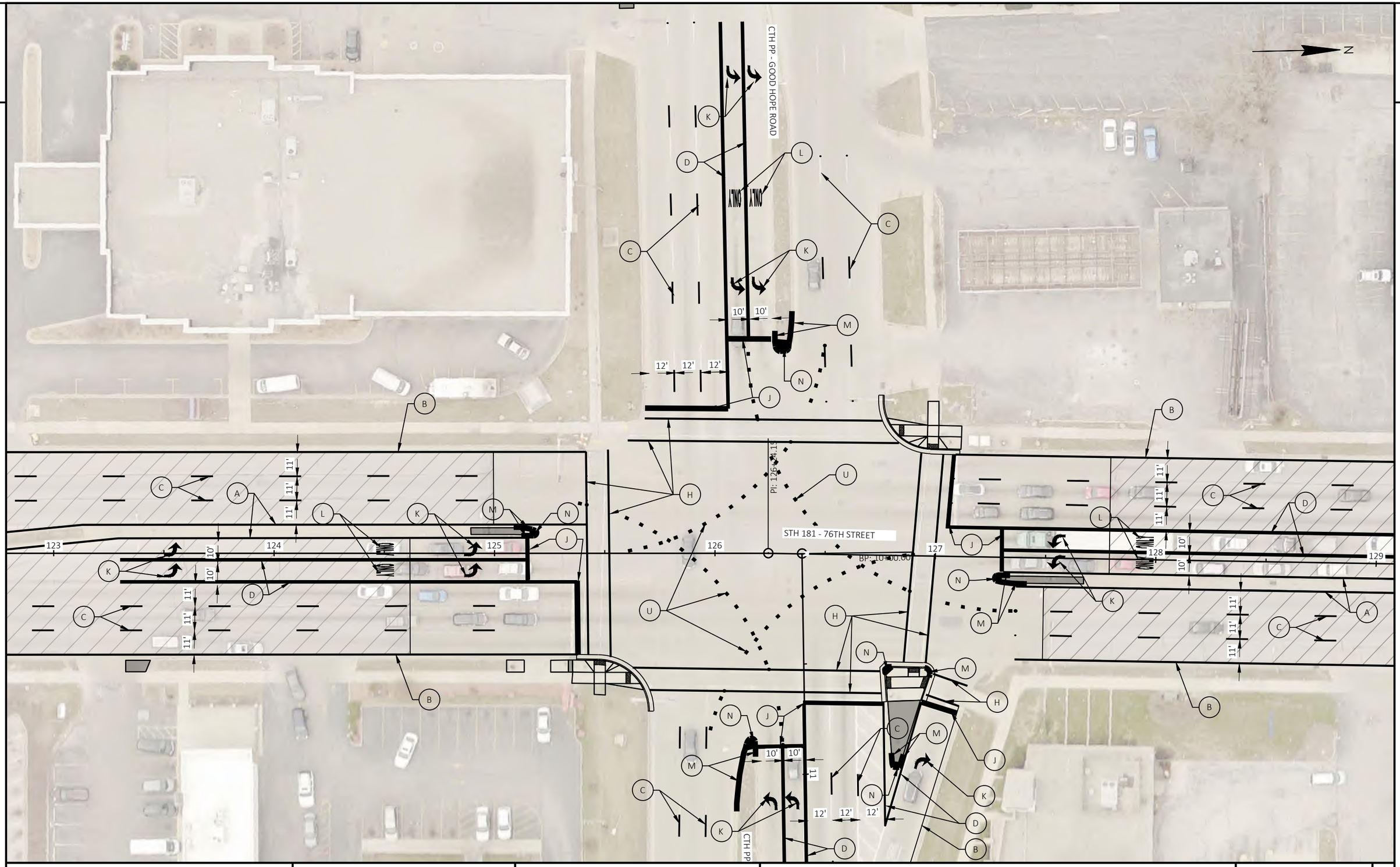
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 326	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 13

PLOT DATE : 4/23/2025 2:34 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

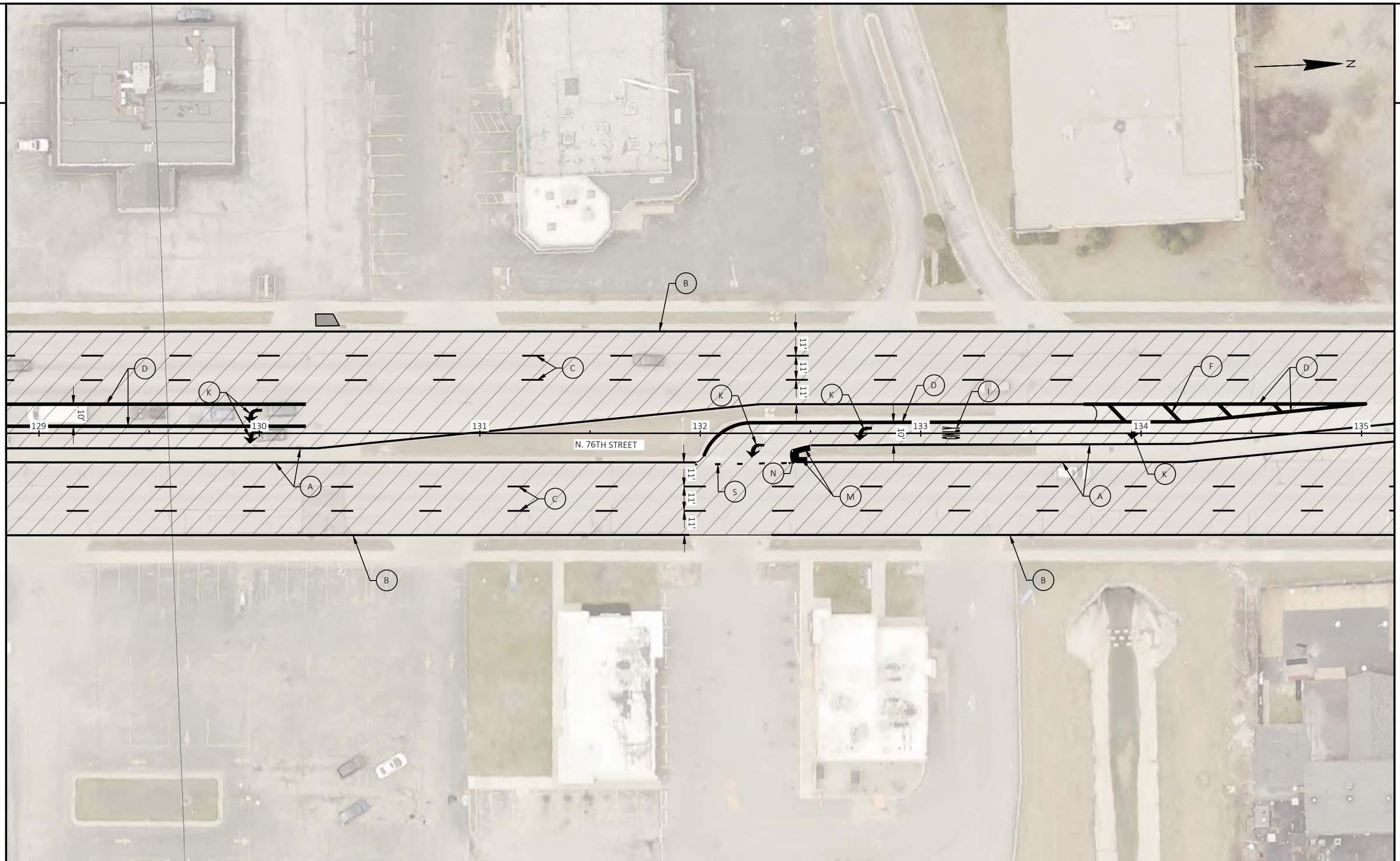


PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 327	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 14

PLOT DATE : 4/23/2025 2:34 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

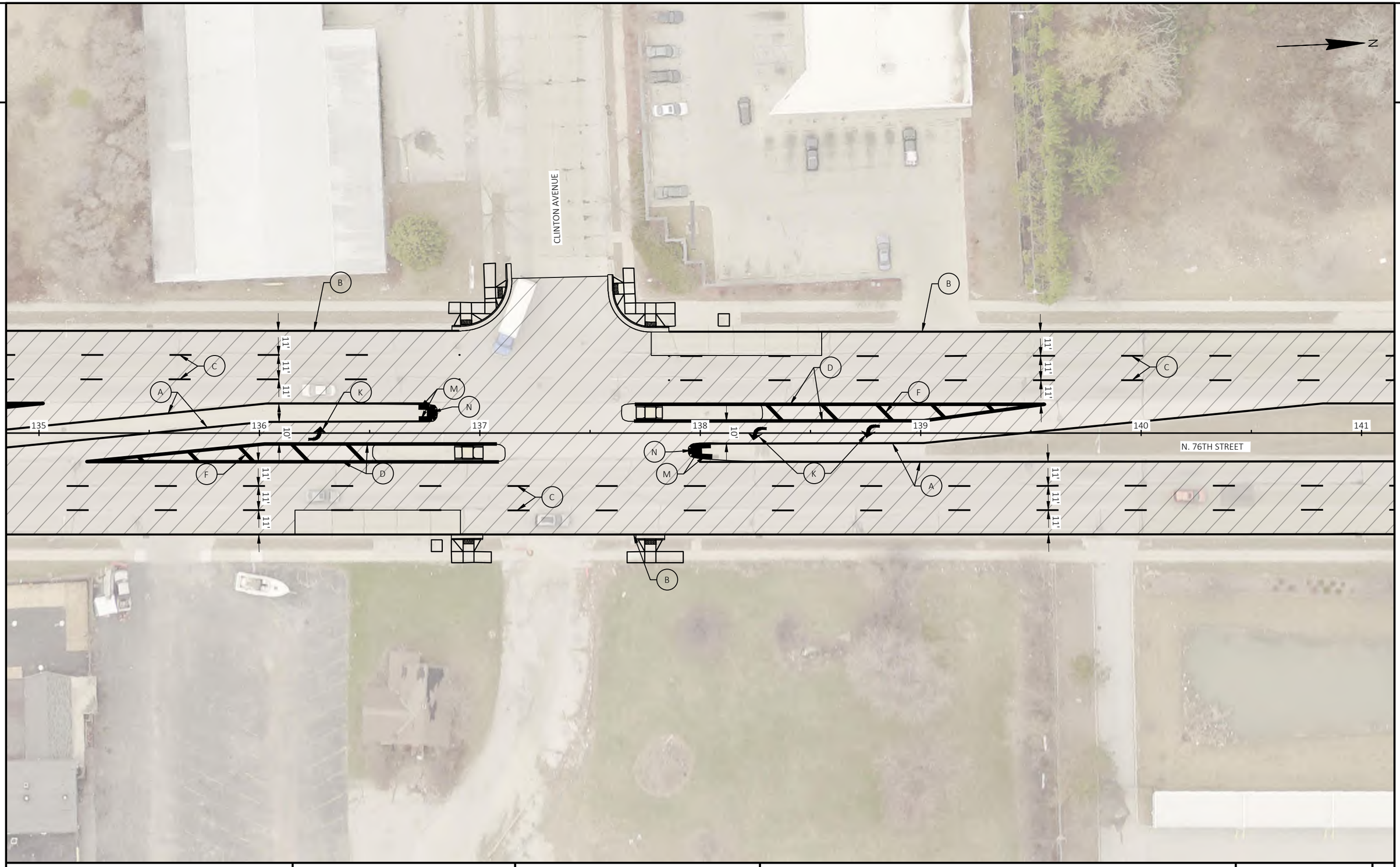
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 328	E

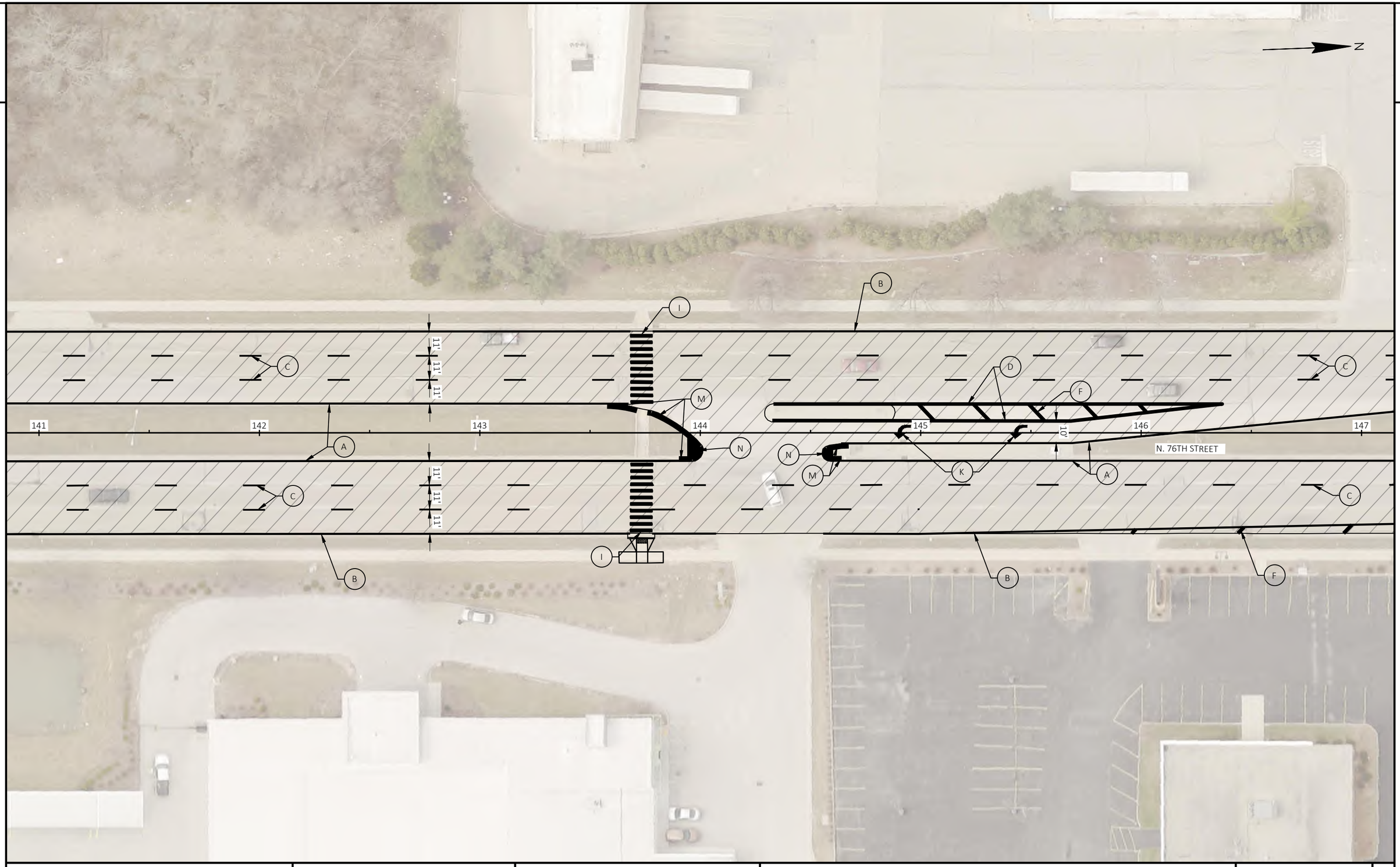
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2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 329	E

2



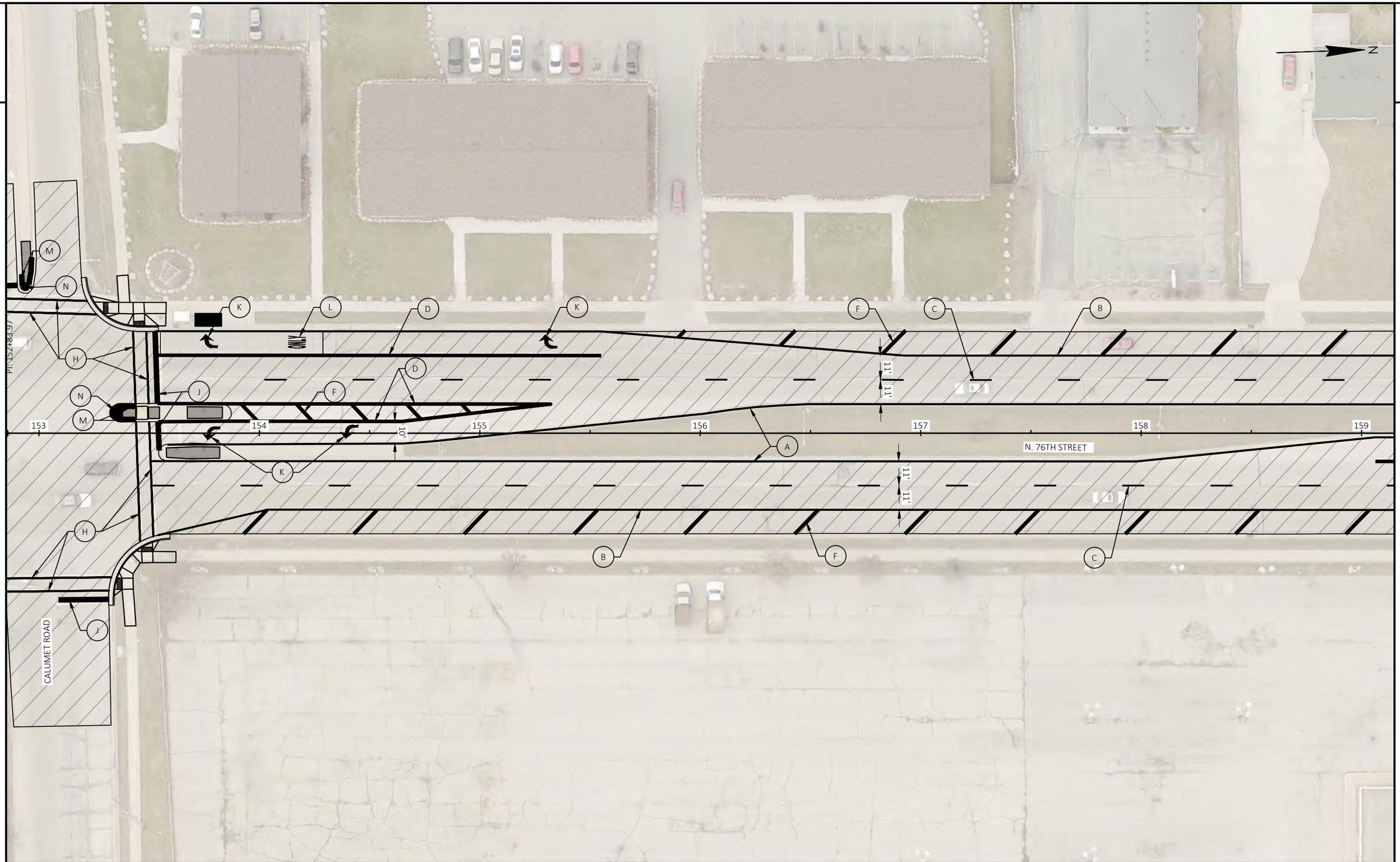
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 330	E

2



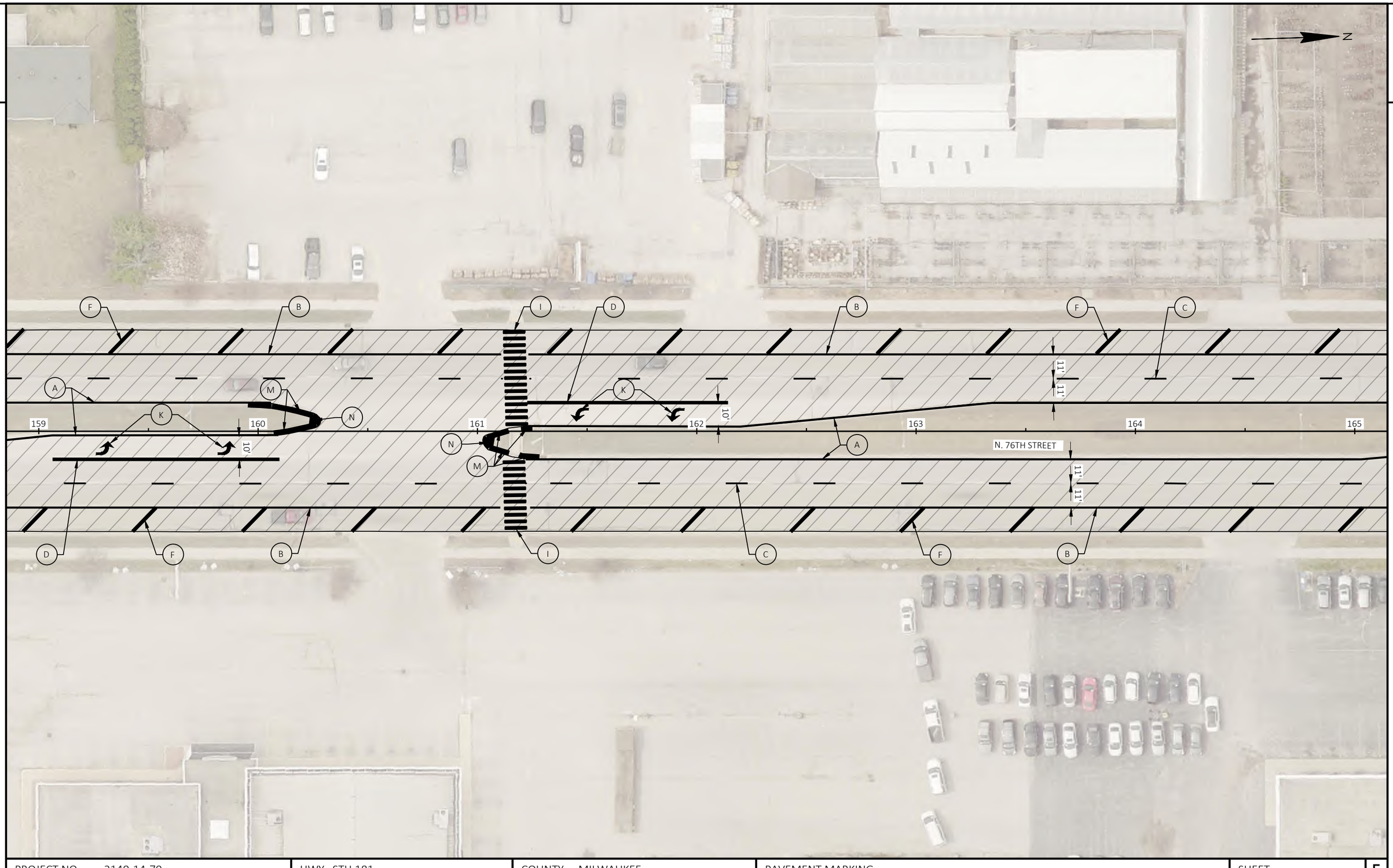
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 331	E

2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 332	E

2



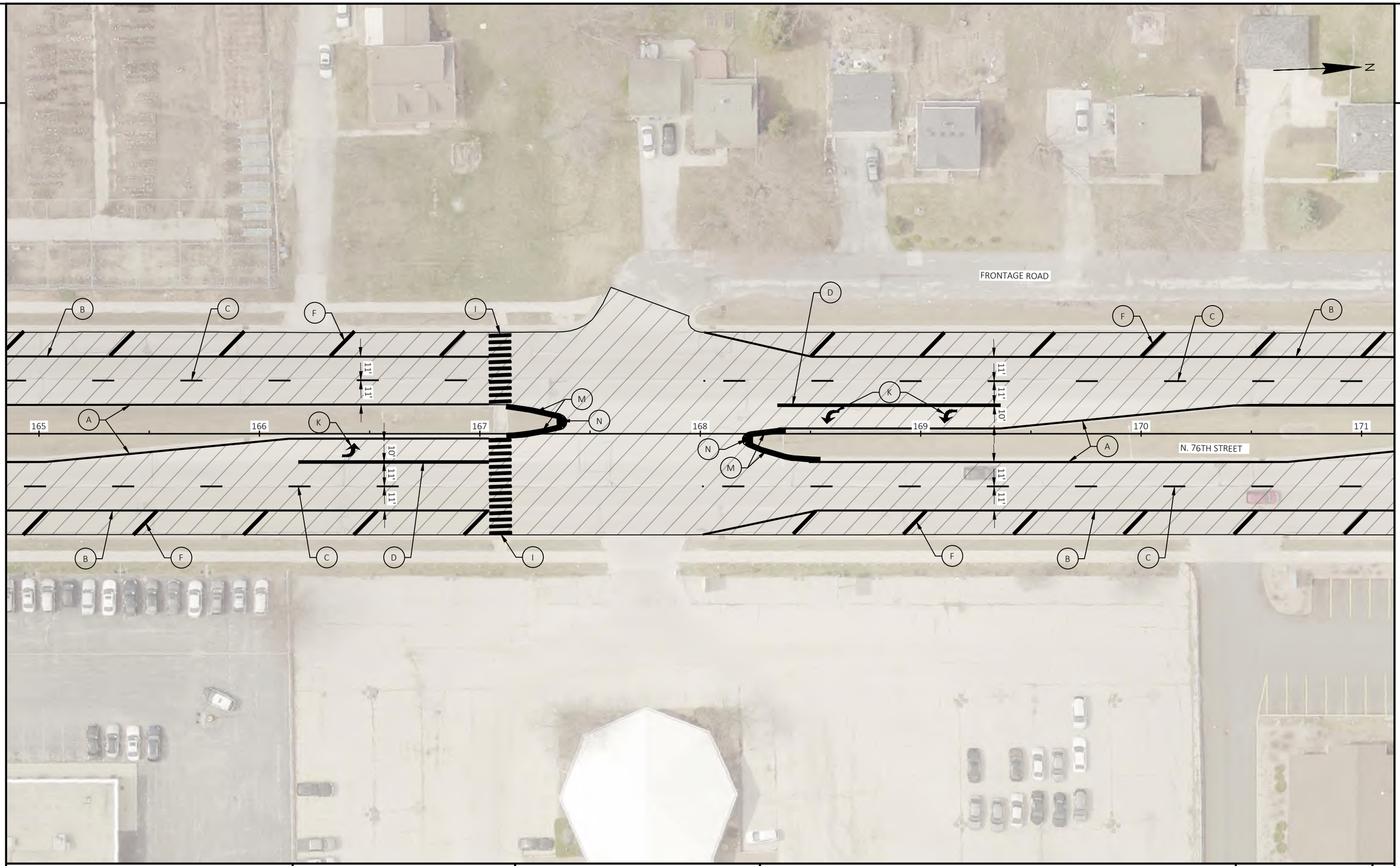
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 333	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 20

PLOT DATE : 4/23/2025 2:34 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

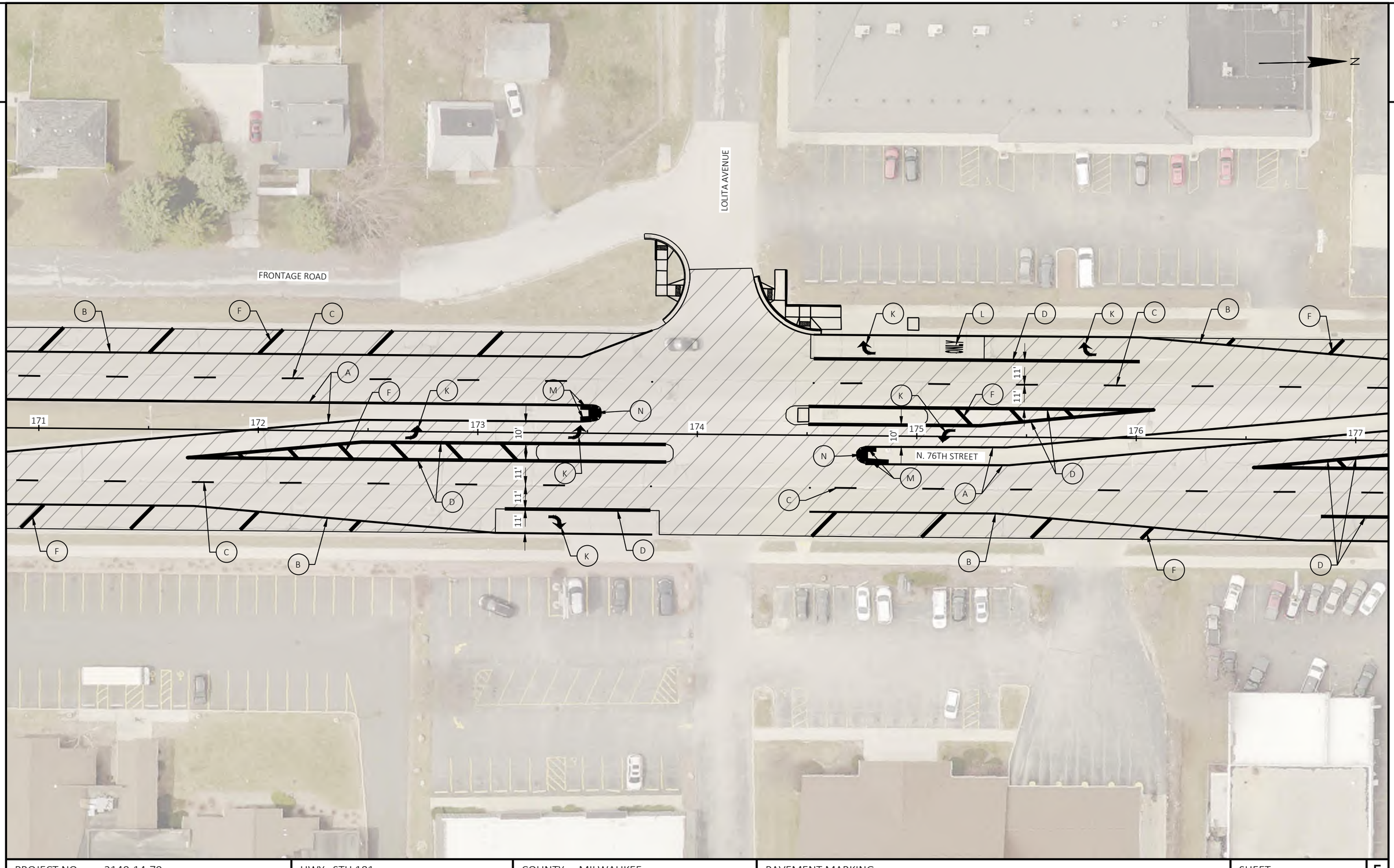


PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 334	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 21

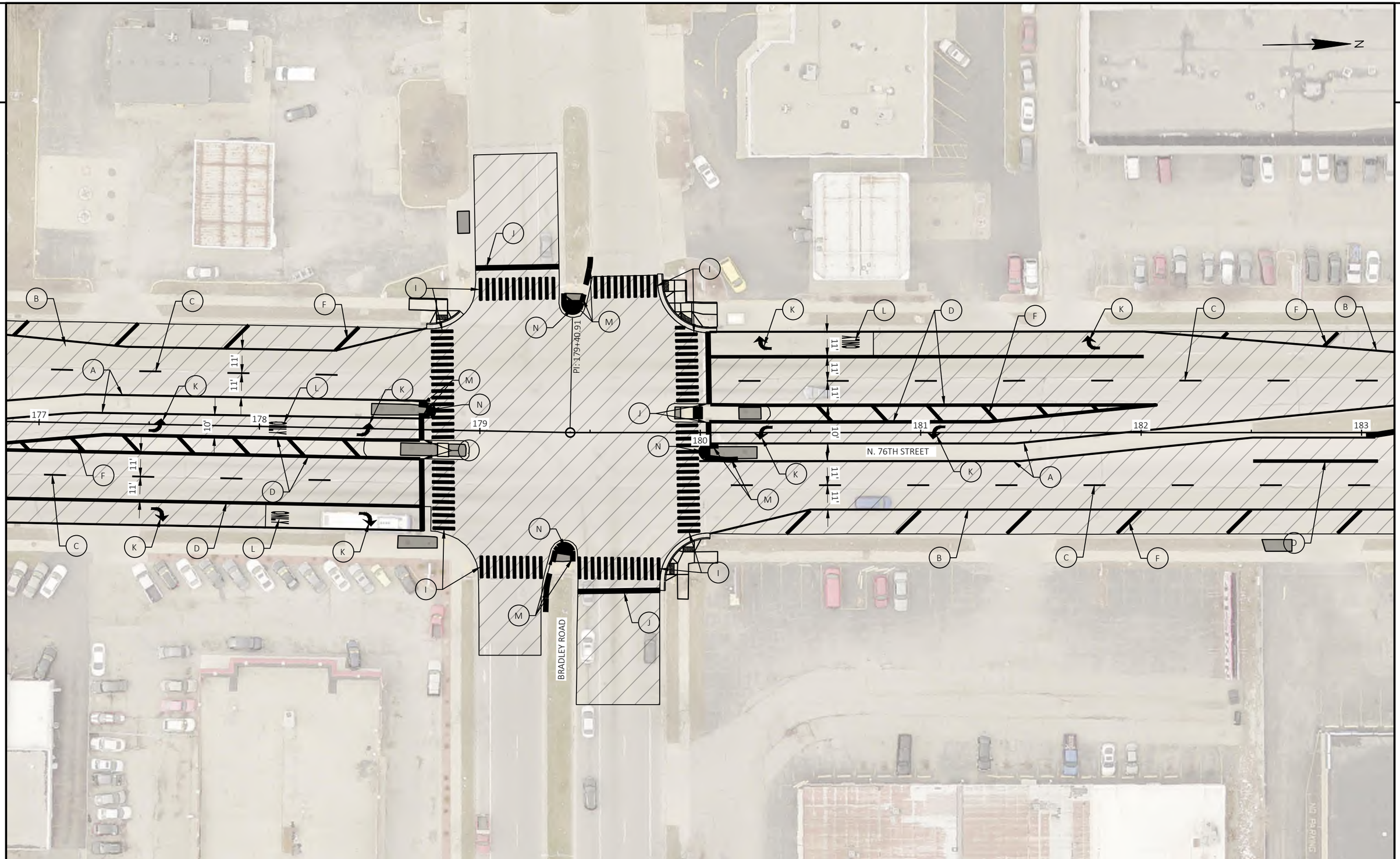
PLOT DATE : 4/23/2025 2:34 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



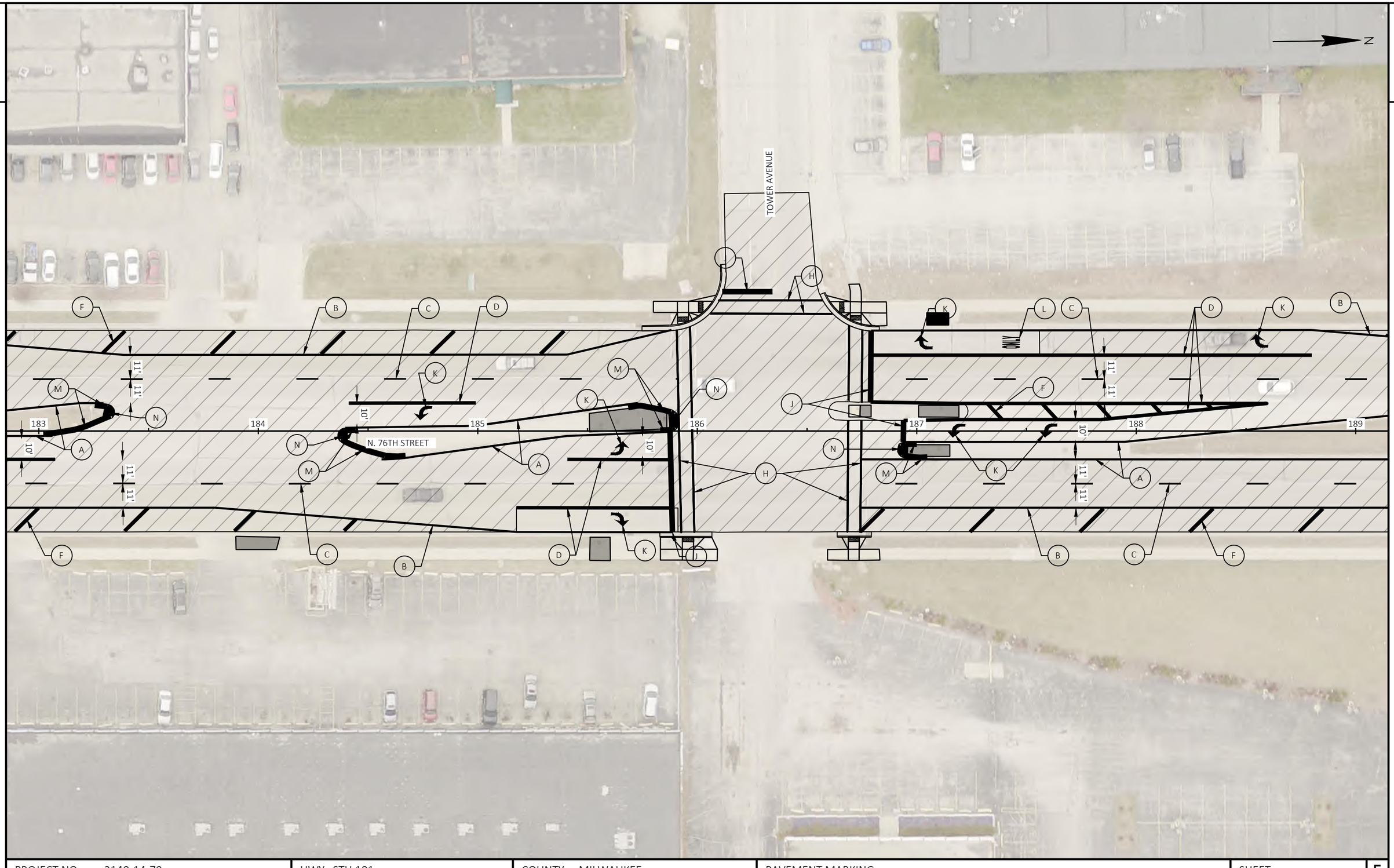
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 335	E

2



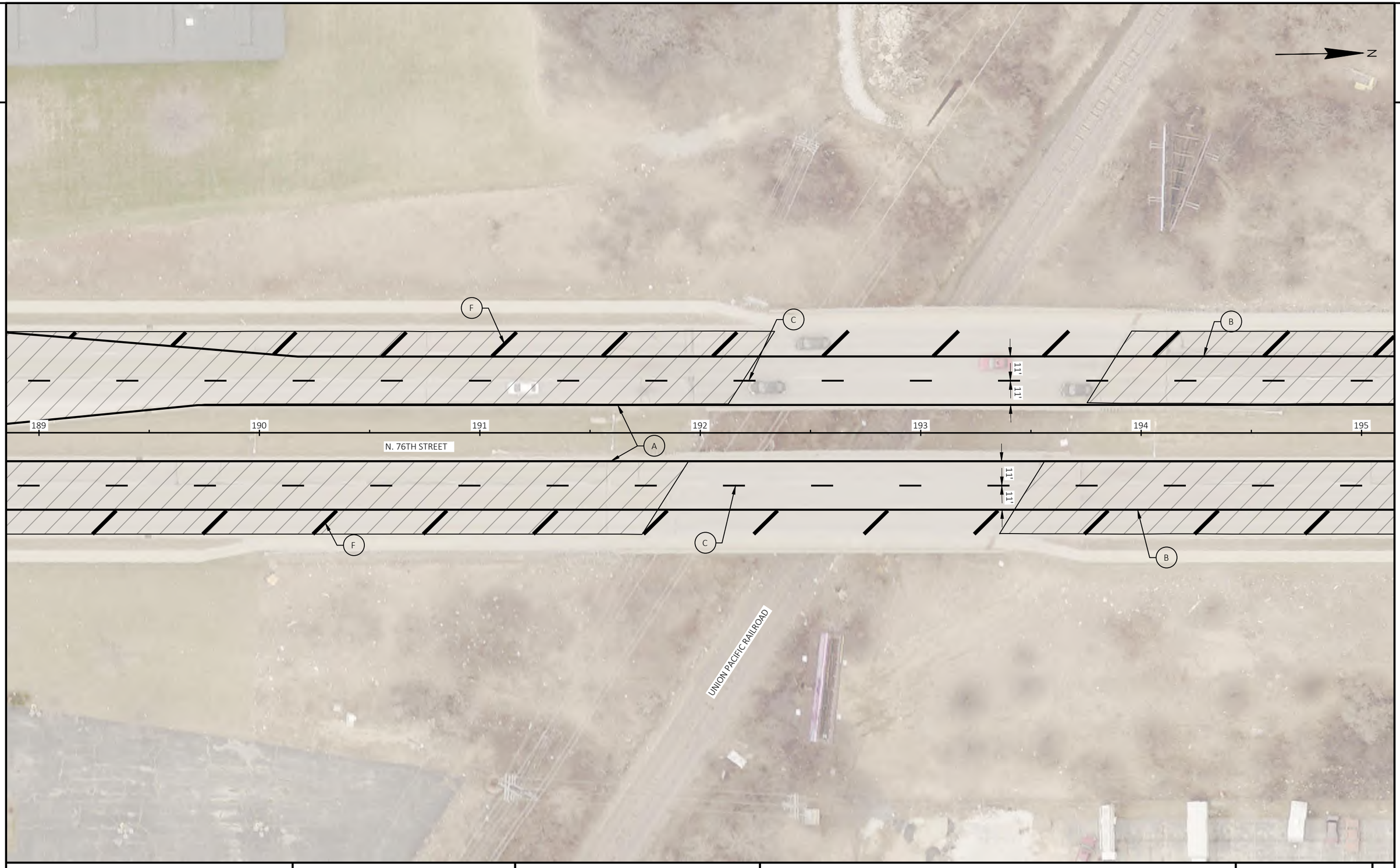
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 336	E

2



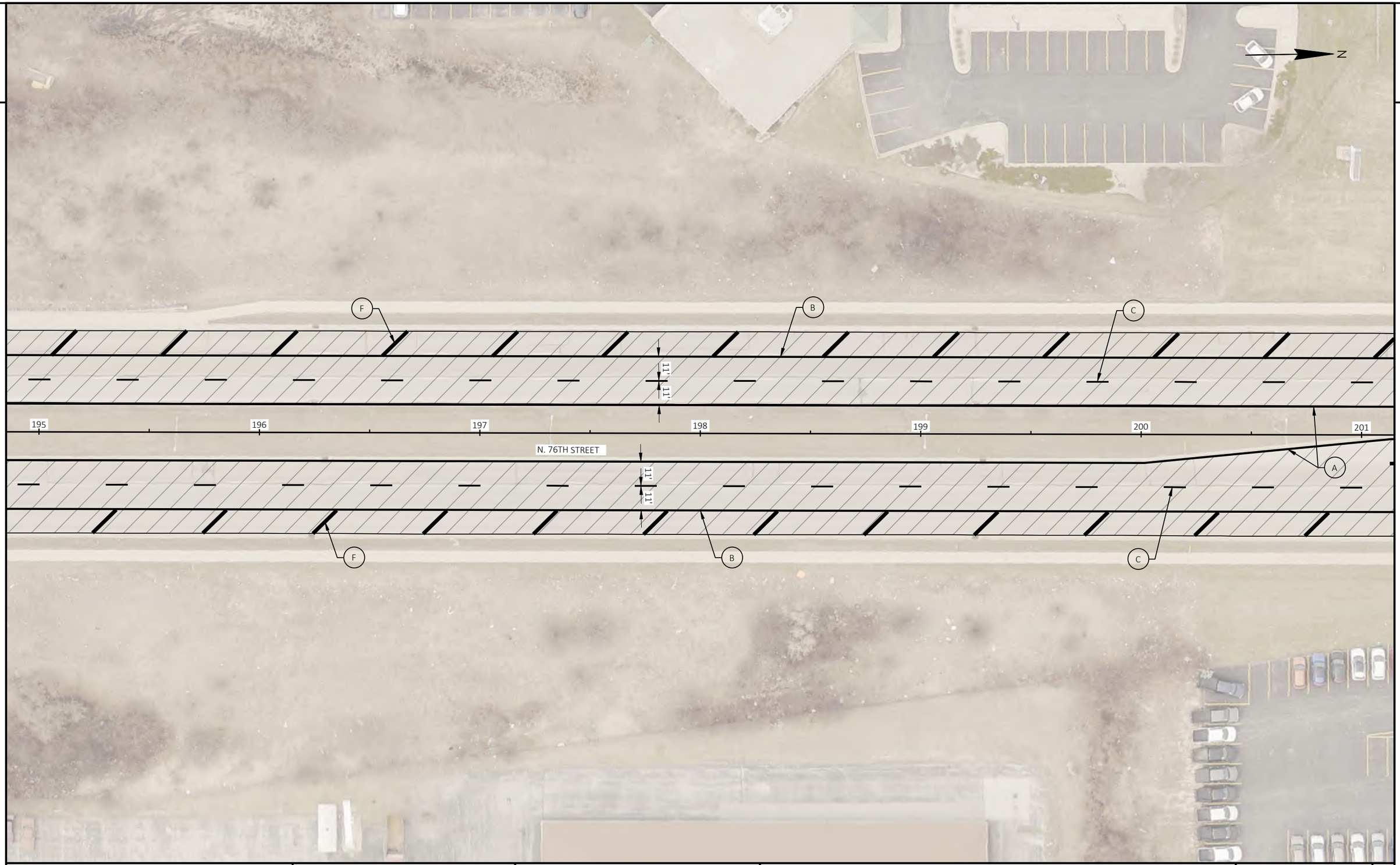
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 337	E

2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 338	E

2



2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 339	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 26

PLOT DATE : 4/23/2025 2:35 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

SERVITE DRIVE

PI: 205+98.75

PC: 206+16.63

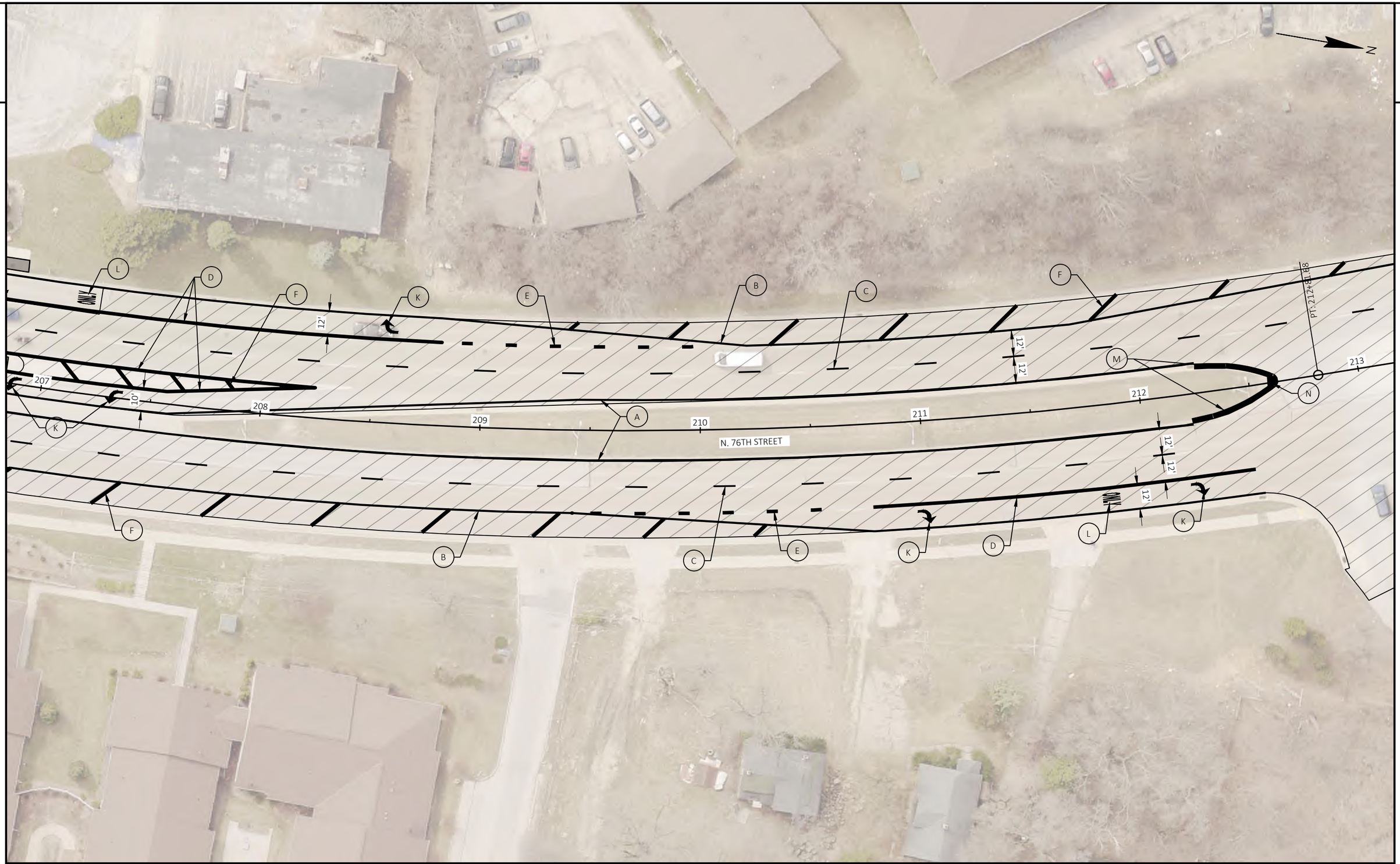
N. 76TH STREET

201 202 203 204 205 206 207

DEAN ROAD

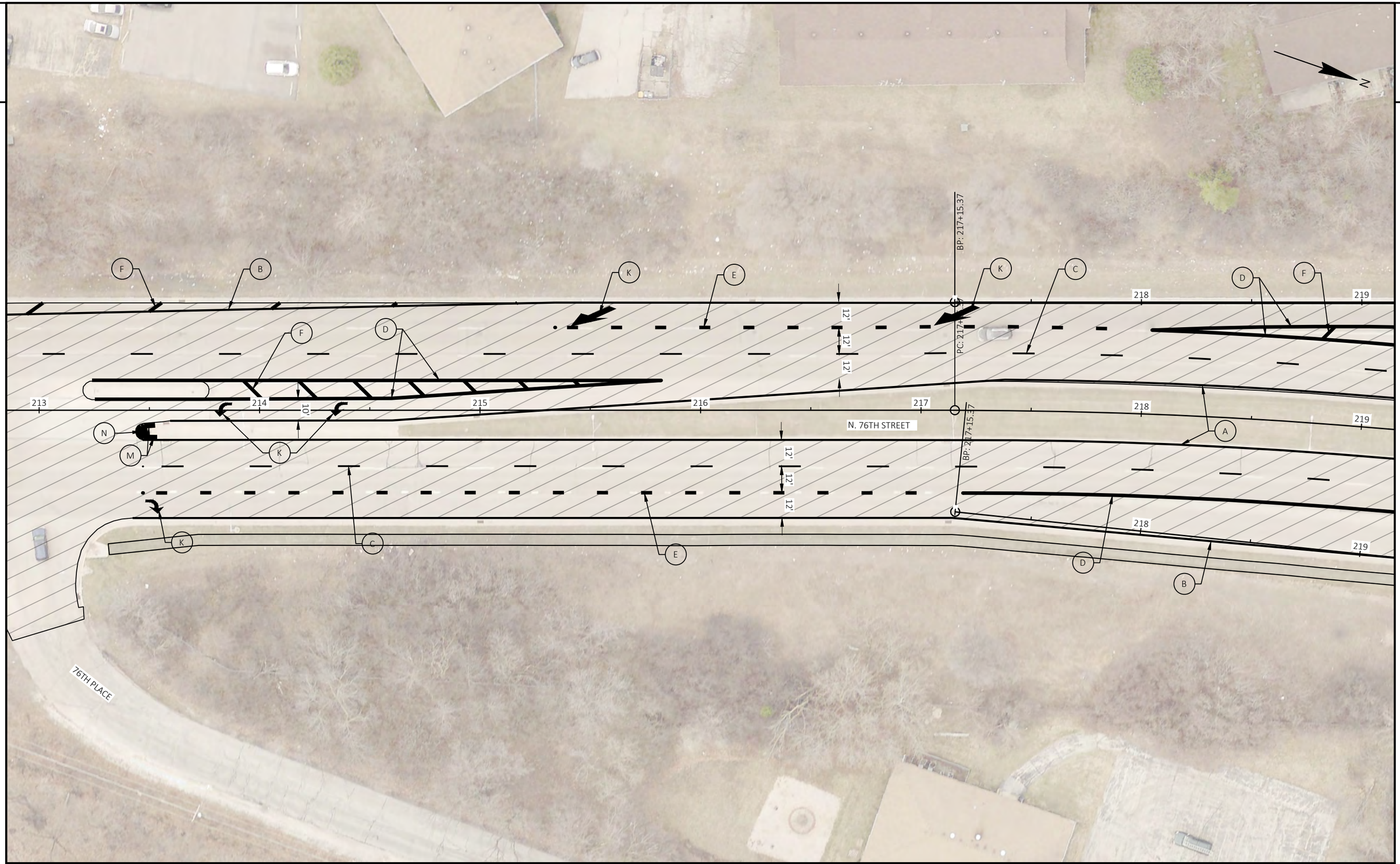
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 340 E

2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 341	E

2

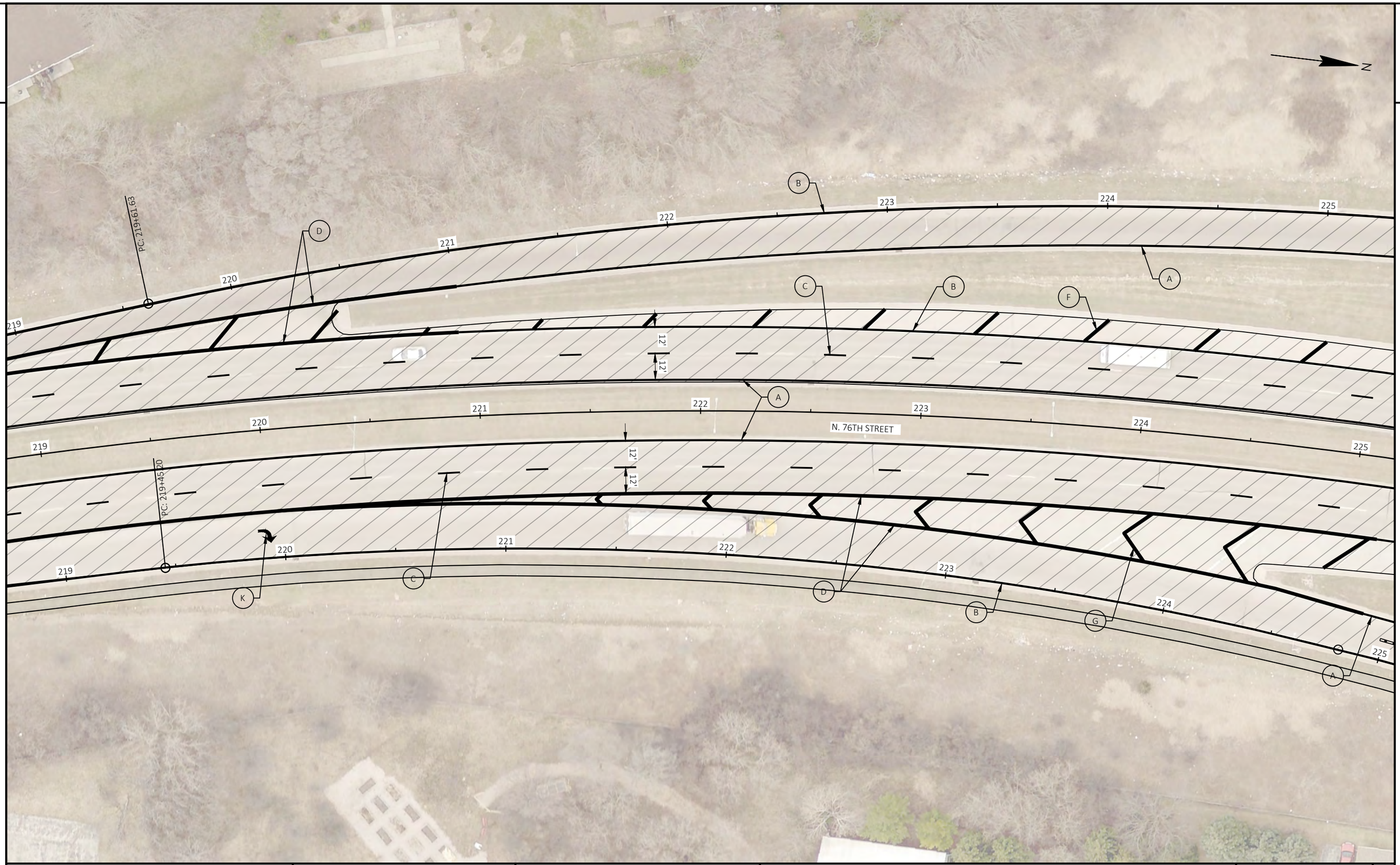


PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 342	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 29

PLOT DATE : 7/24/2025 10:56 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

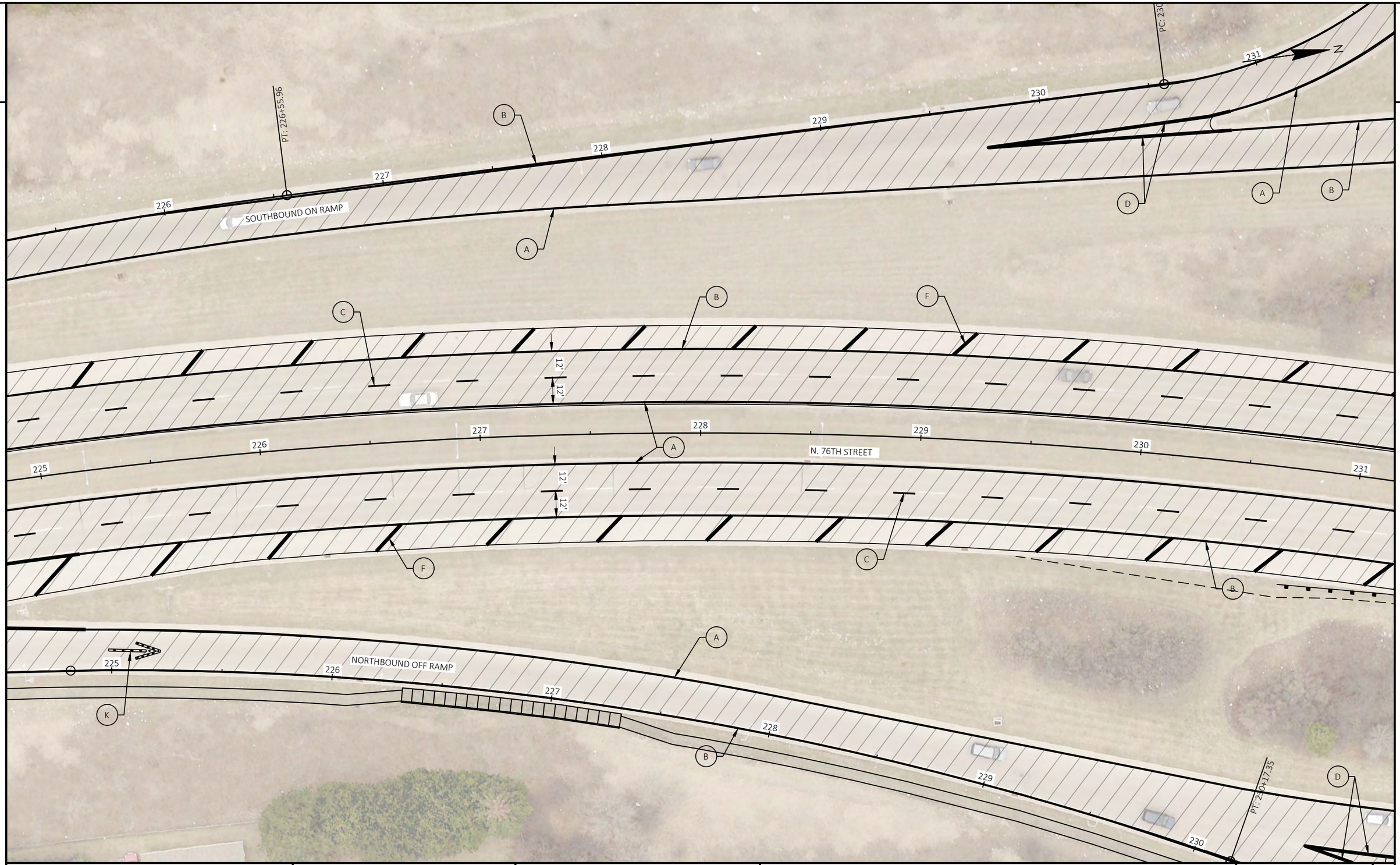
2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 343	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 30

PLOT DATE : 7/24/2025 10:56 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

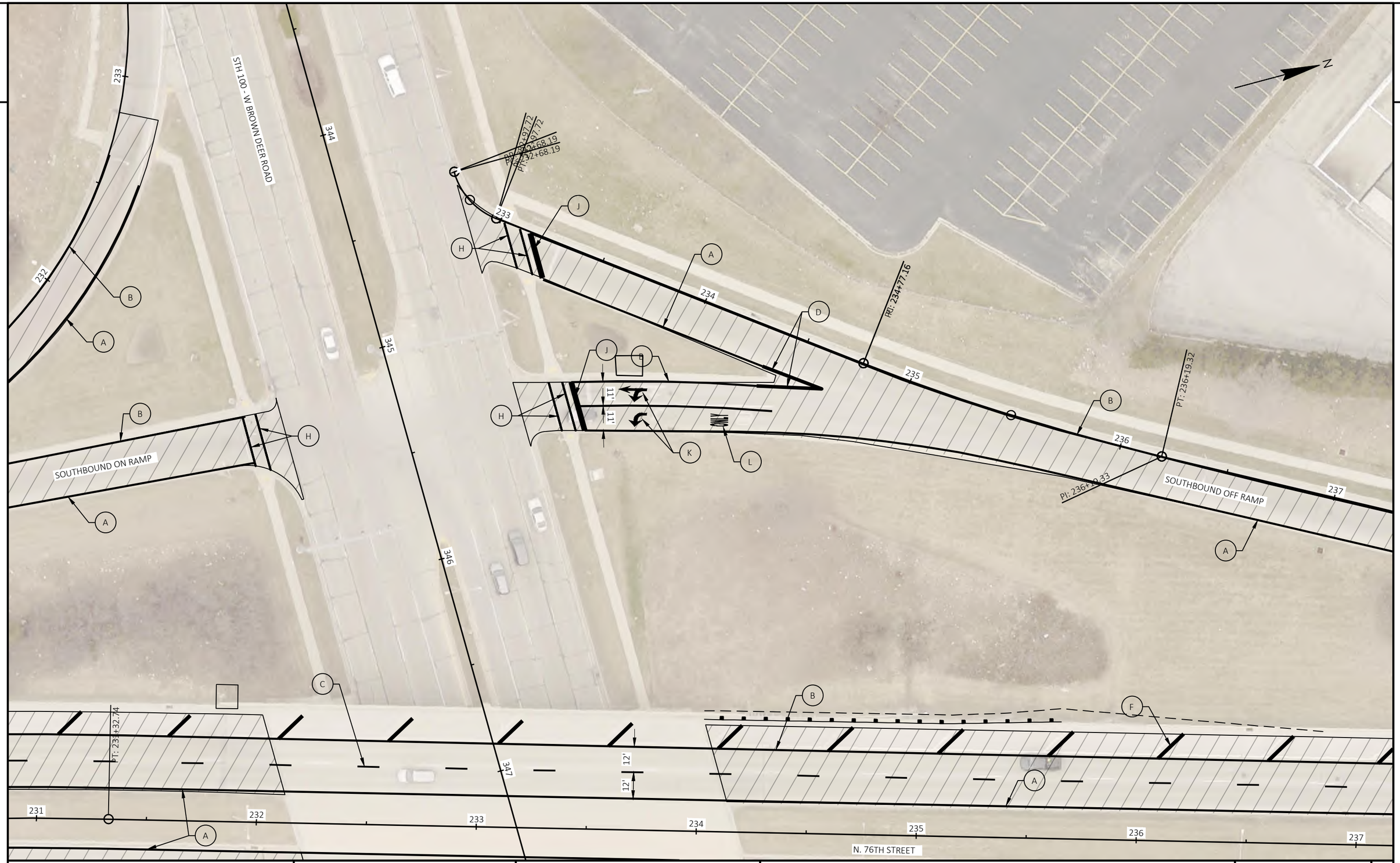


PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 344	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 31

PLOT DATE : 7/24/2025 10:57 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

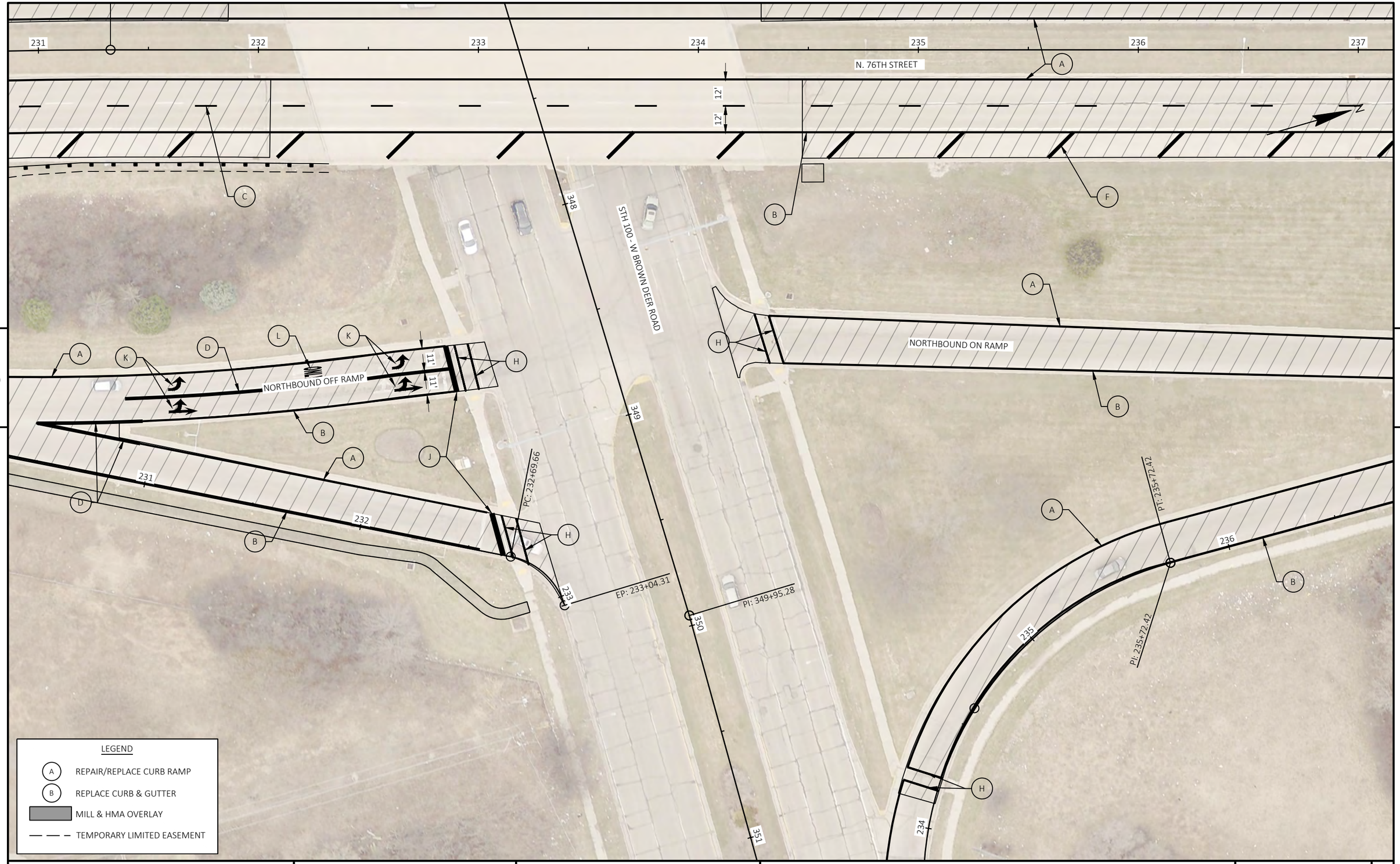


PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 345	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 32

PLOT DATE : 4/23/2025 2:35 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



5

5

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 346	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 33

PLOT DATE : 7/24/2025 10:57 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

237 238 239 240 241 242 243

PRI: 238+82.13

SOUTHBOUND OFF RAMP

A B C D F

PC: 239+84.19

12' 12'

N. 76TH STREET

237 238 239 240 241 242 243

12' 12'

NORTHBOUND ON RAMP

237 238 239 240 241 242

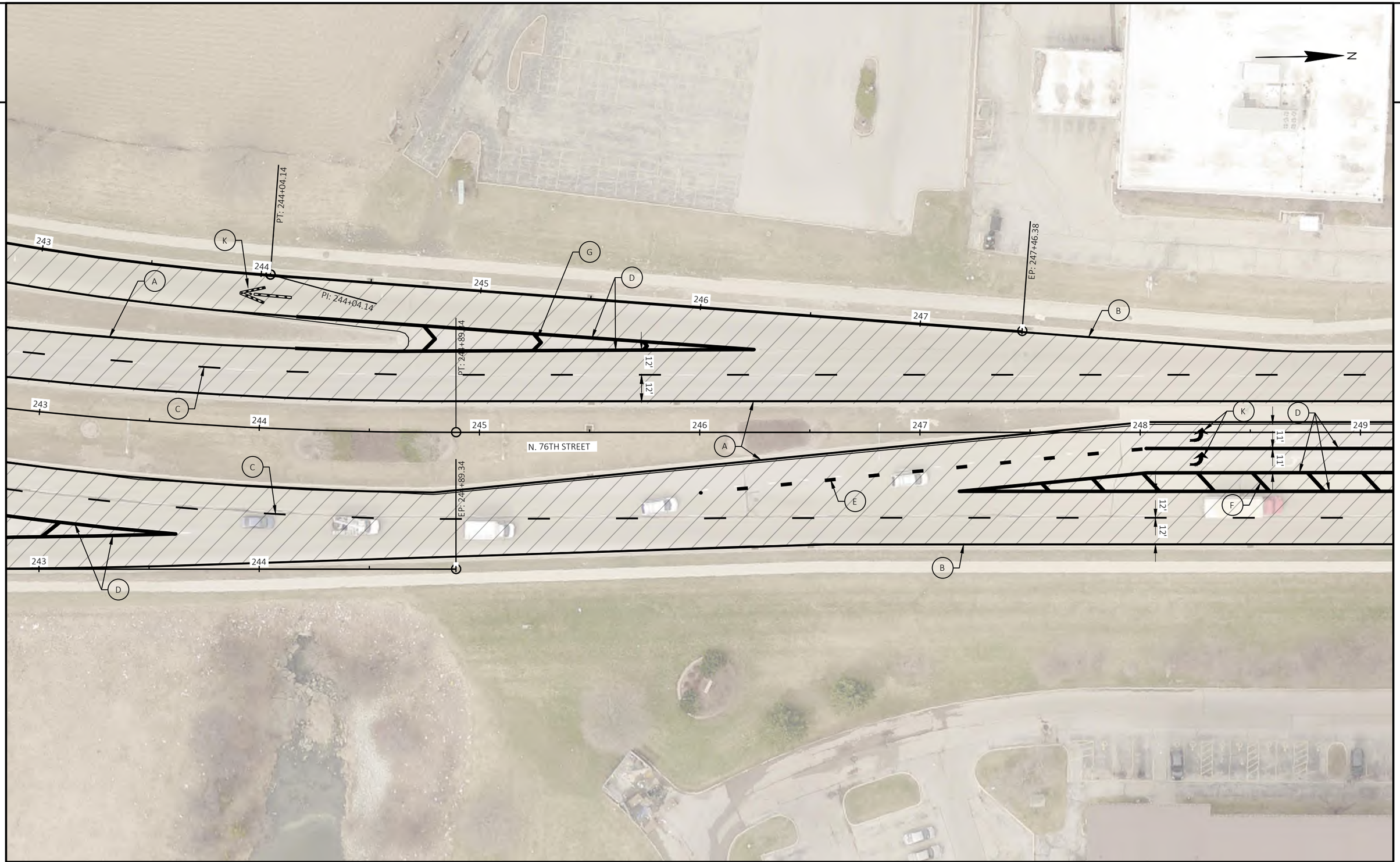
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 347 E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 34

PLOT DATE : 4/23/2025 2:35 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 348	E

2

2

N

ALLYN STREET

N. 76TH STREET

249 250 251 252 253 254 255

11' 11' 12' 12' 12' 12' 12'

A B C D F H J K L M N U

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 349 E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 36

PLOT DATE : 4/23/2025 2:35 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

N. 76TH STREET

NORTHRIDGE LAKES BLVD

PI: 260+12.11

255 256 257 258 259 260 261

12' 12' 12' 10' 12' 12' 10' 12' 12'

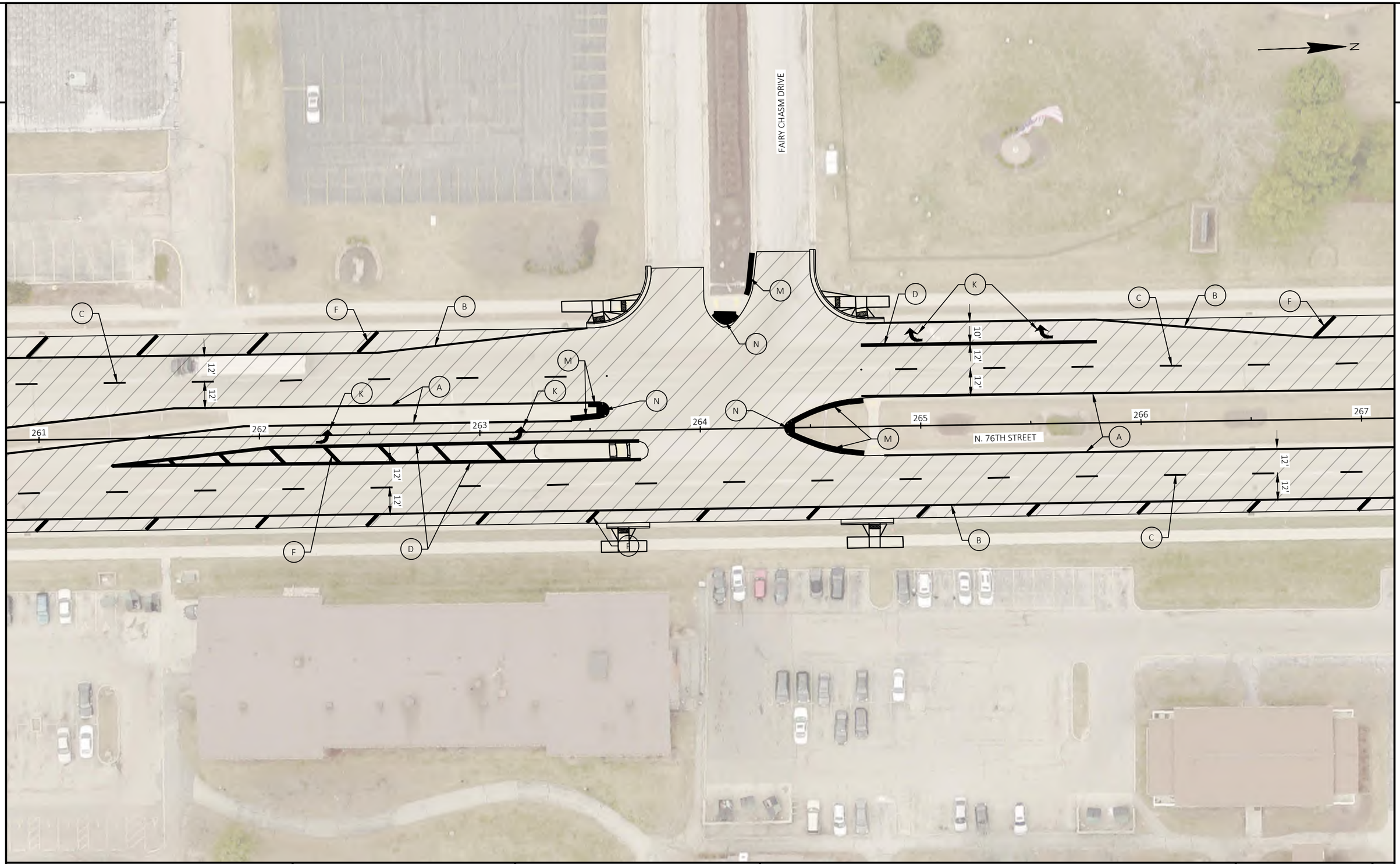
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 350	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 37

PLOT DATE : 4/23/2025 2:35 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 351	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 38

PLOT DATE : 4/23/2025 2:35 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

F B I C A M N N M A K D B I F C

12' 12' 10' 12'

267 268 269 270 271 272 273

PC: 27+29.35

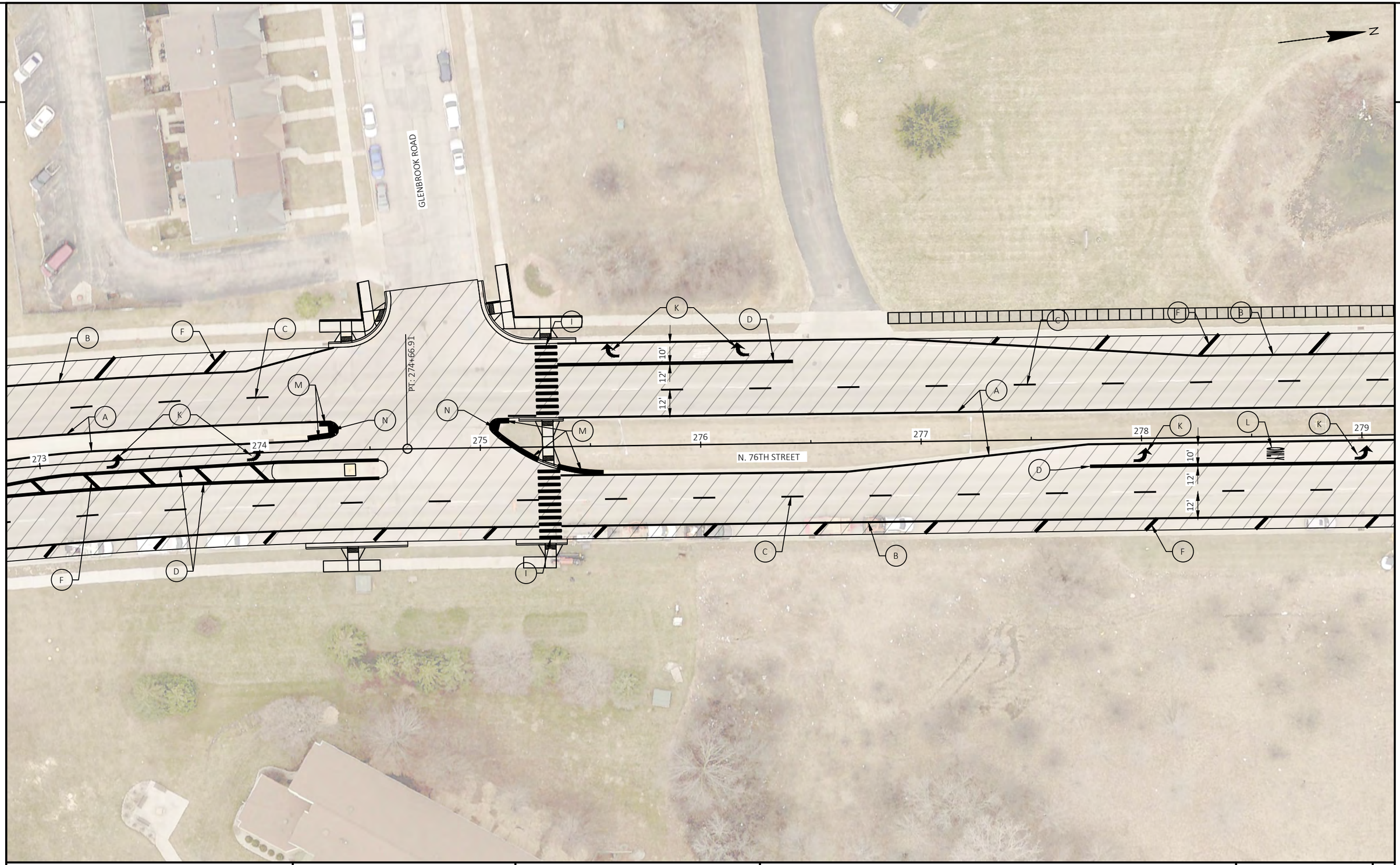
N. 76TH STREET

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 352	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 39

PLOT DATE : 4/23/2025 2:35 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:40 FT

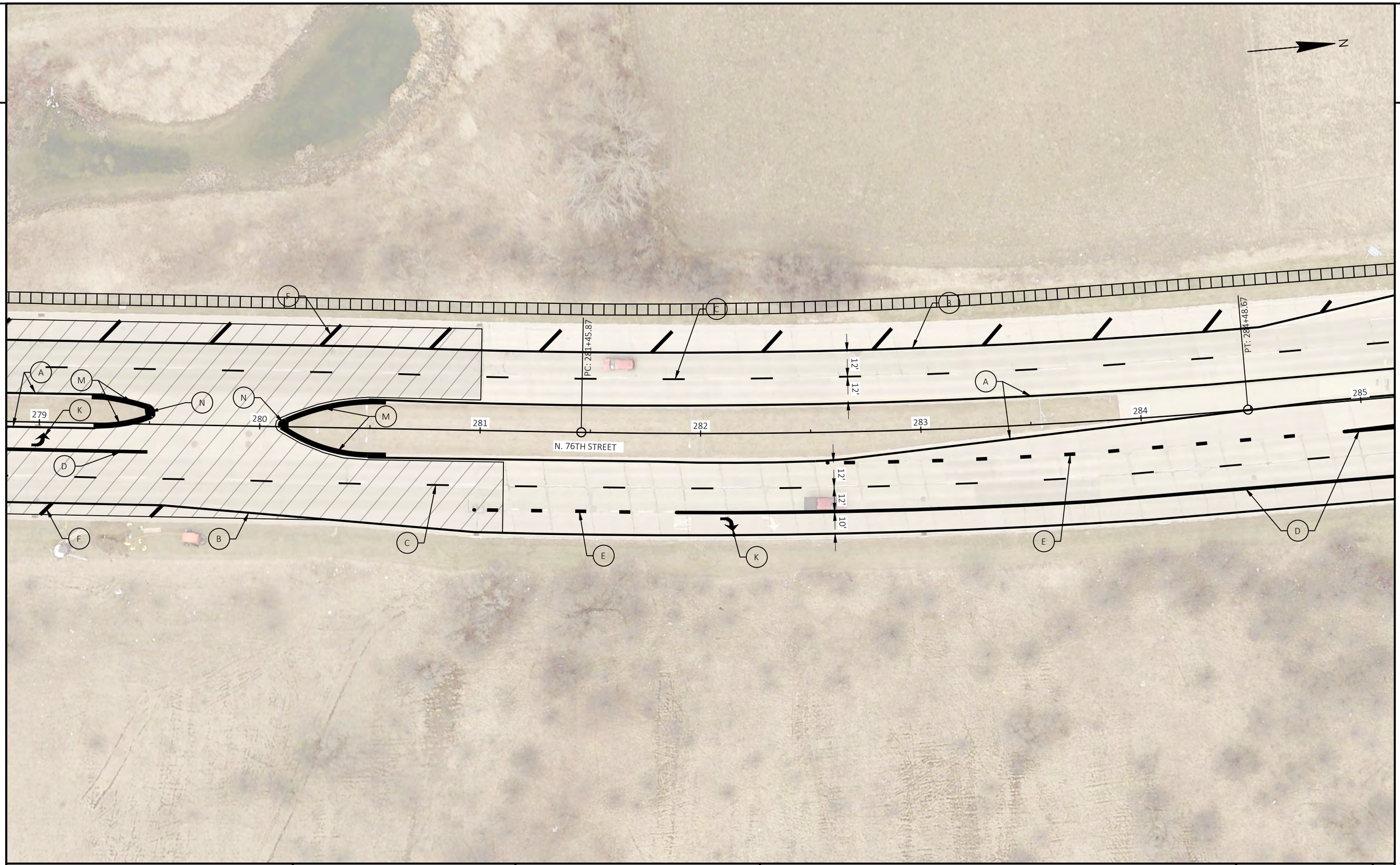
2



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 353	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 40

PLOT DATE : 7/24/2025 10:58 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT



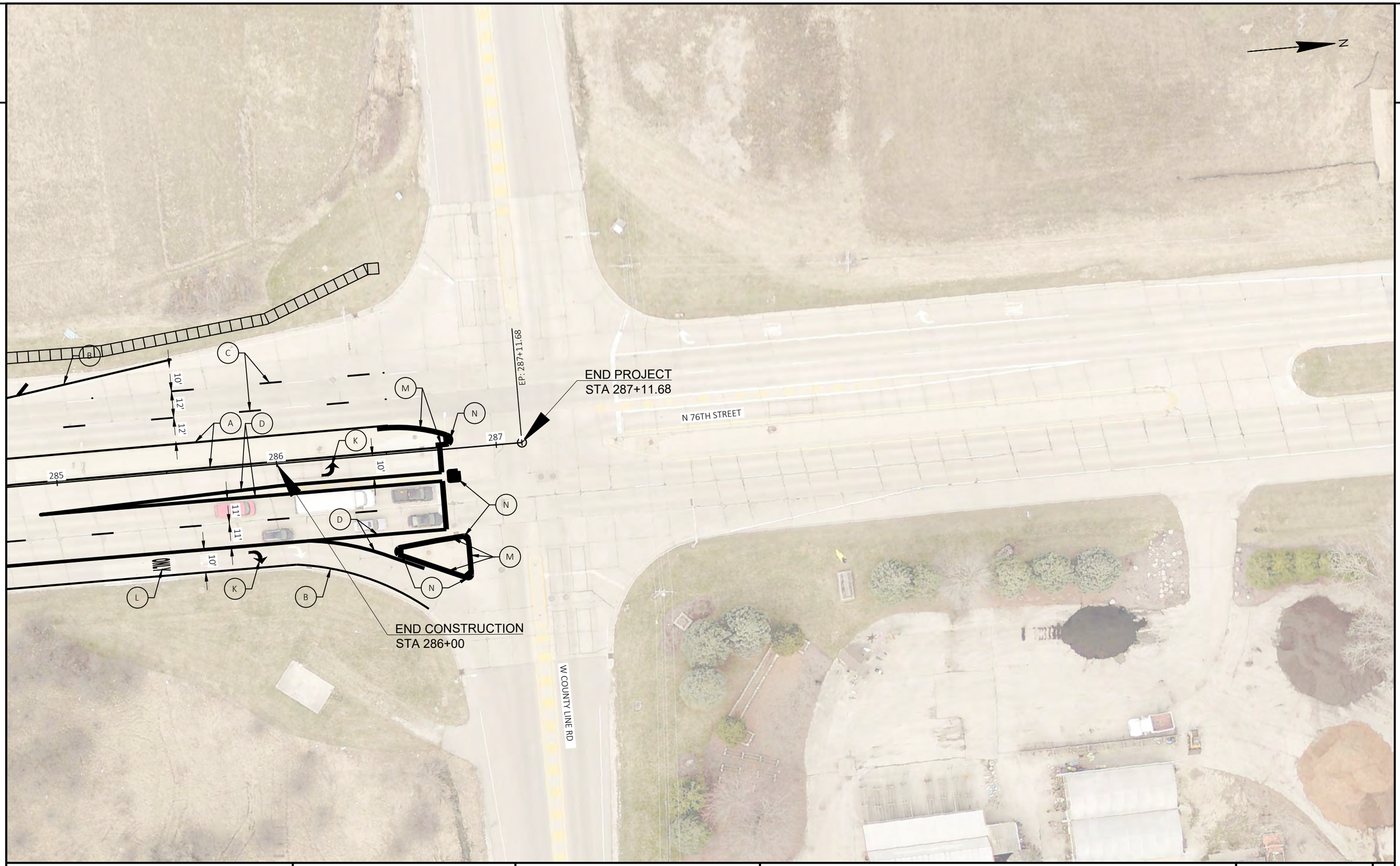
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 354	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 41

PLOT DATE : 7/24/2025 10:59 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

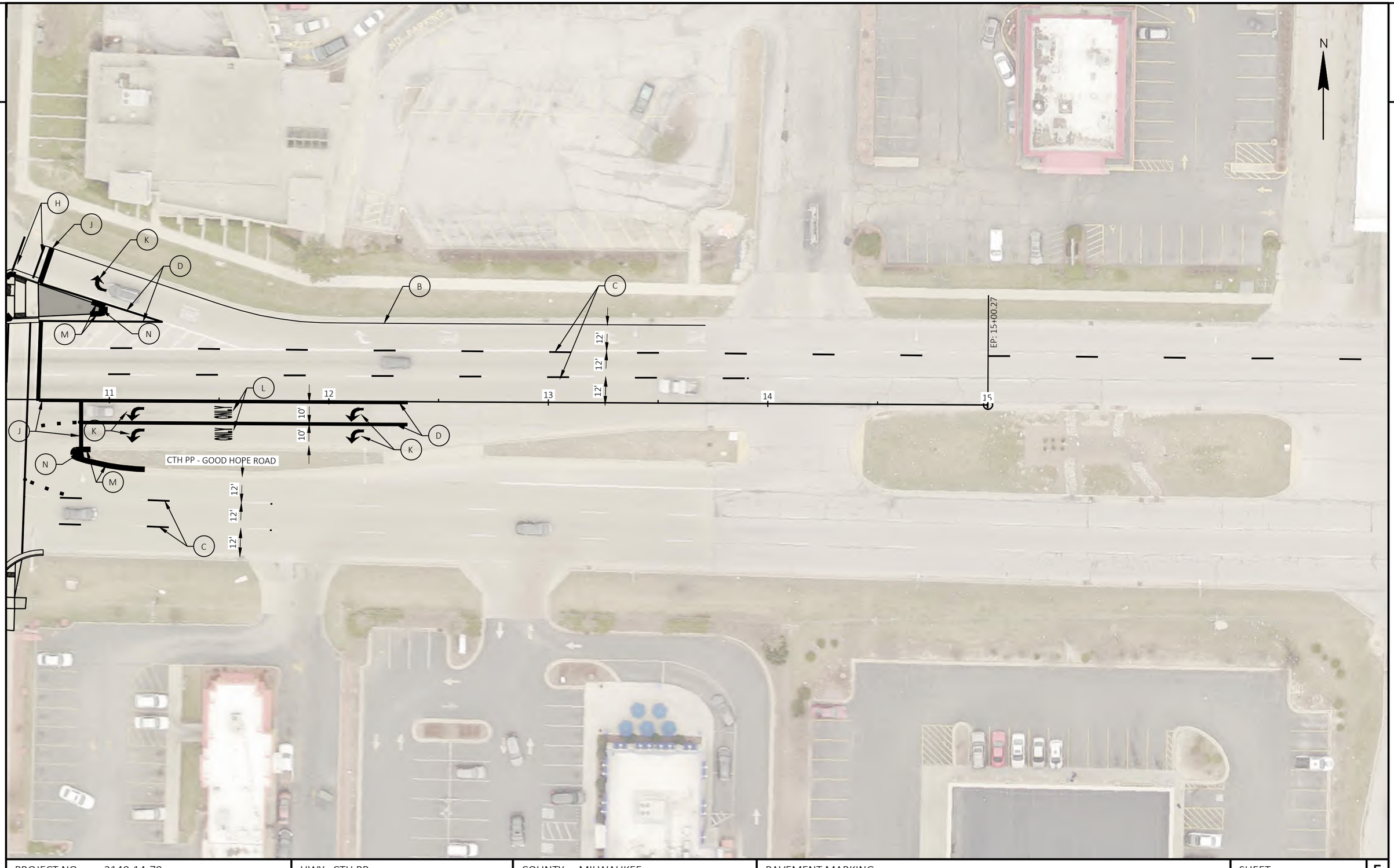


PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 355	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 42

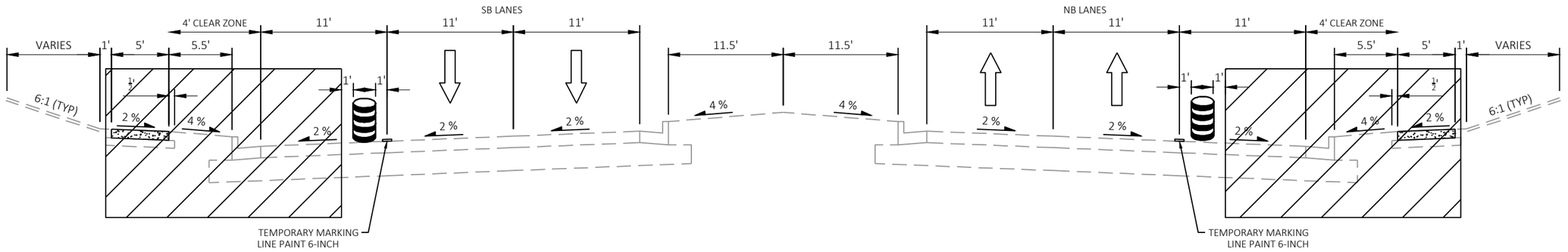
PLOT DATE : 7/24/2025 10:59 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



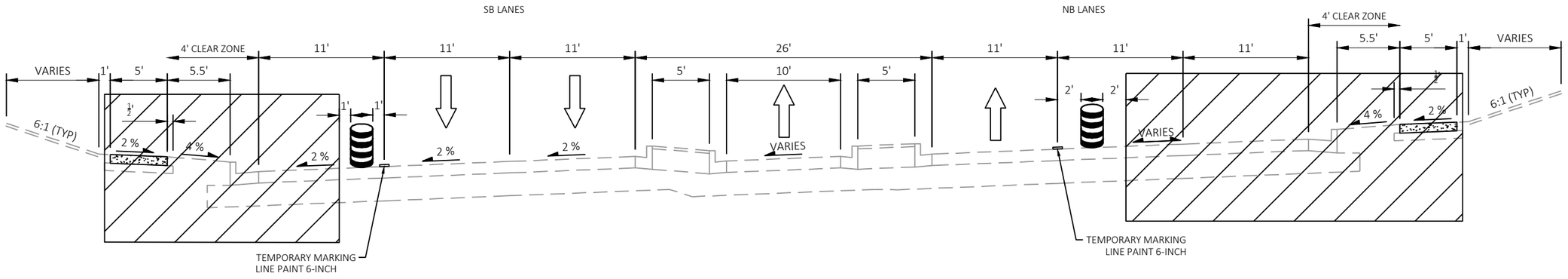
PROJECT NO: 2140-14-70	HWY: CTH PP	COUNTY: MILWAUKEE	PAVEMENT MARKING	SHEET 356	E

2



STH 181 STAGING TYPICAL SECTION

STA 46+00.00 TO STA 124+61+00 (NB)
STA 46+00.00 TO STA 125+03.30 (SB)
STA 127+50.00 TO STA 140+00.00 (NB)
STA 127+81.00 TO STA 140+00.00 (SB)
*STA 140+00.00 TO STA 204+92.00

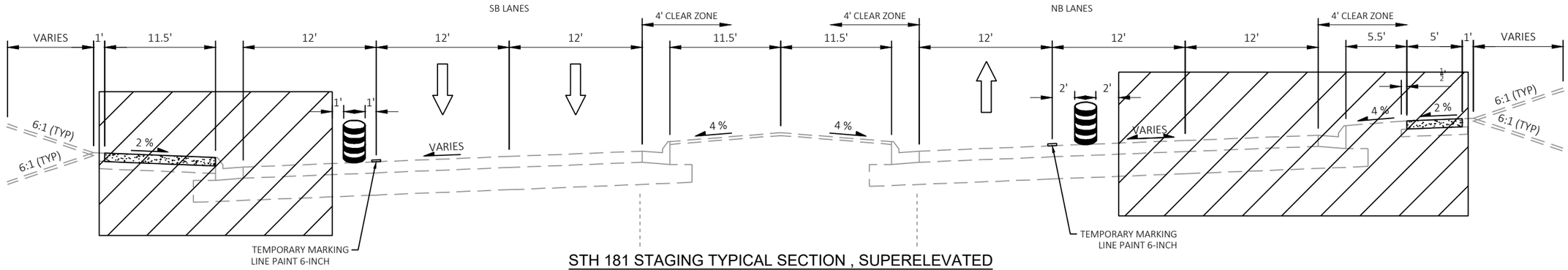


STH 181 STAGING TYPICAL SECTION , SUPERELEVATED

STA 204+92.00 TO STA 206+12.00

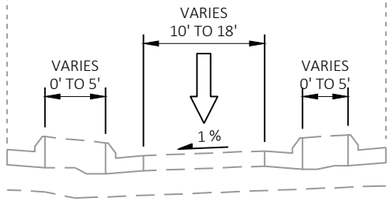
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 1 STAGING TYPICAL SECTION	SHEET 357	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 1.DWG PLOT DATE : 4/23/2025 2:02 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 01
WISDOT/CADDS SHEET 42

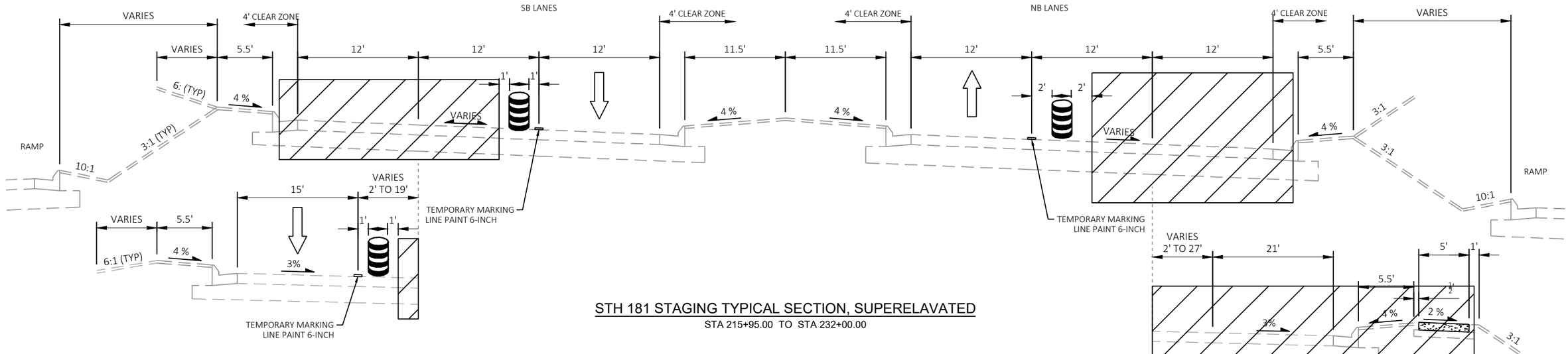


STH 181 STAGING TYPICAL SECTION , SUPERELEVATED

STA 206+12.00 TO STA 214+06.00



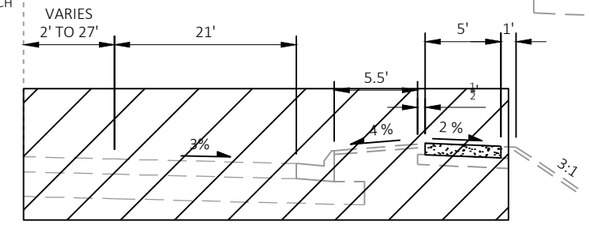
STA 206+27.00 TO STA 207+64.00
STA 213+20.00 TO STA 214+06.00



STH 181 STAGING TYPICAL SECTION, SUPERELAVATED

STA 215+95.00 TO STA 232+00.00

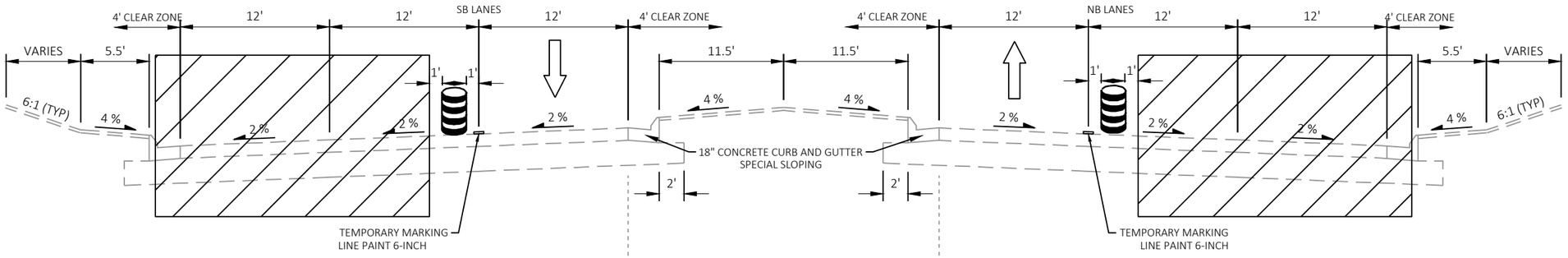
STA 218+65.52 TO STA 220+43.54



STA 220+86.67 TO STA 224+64.25

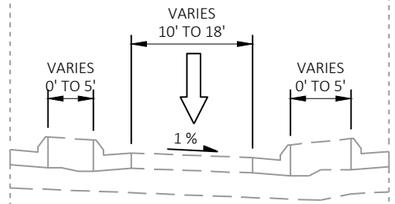
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 1 STAGING TYPICAL SECTION	SHEET 358	E

2

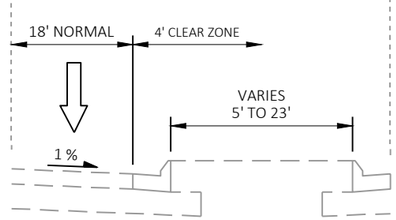


STH 181 STAGING TYPICAL SECTION

STA 214+06 TO STA 215+95.00
STA 232+00.00 TO STA 238+60.00



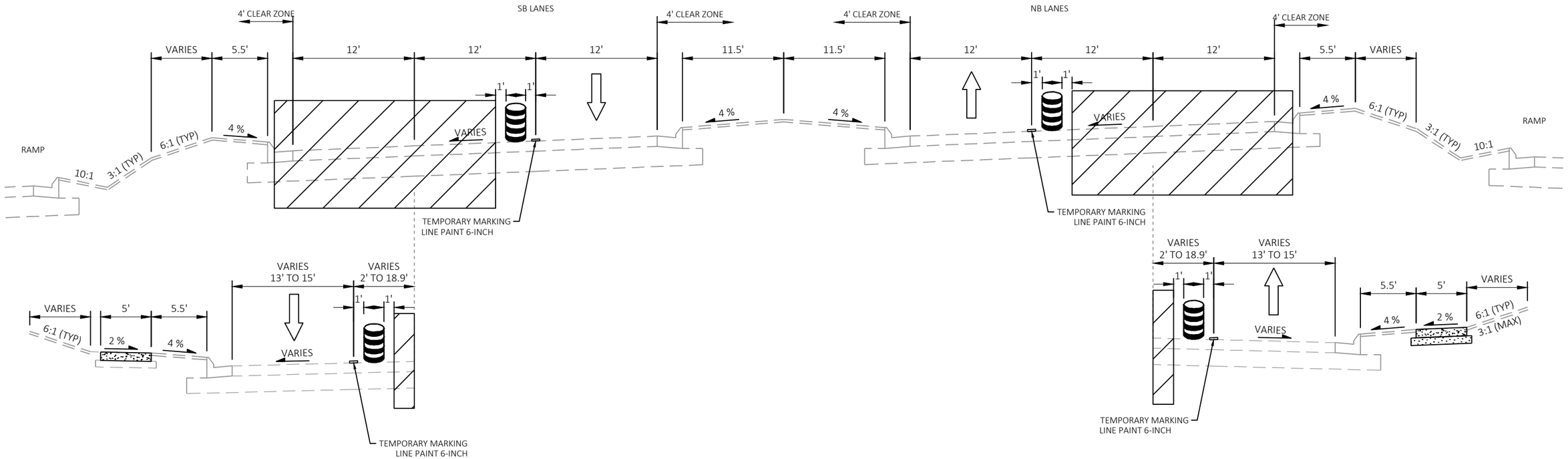
STA 214+06.00 TO STA 214+59.00



STA 214+59.00 TO STA 217+12.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 1 STAGING TYPICAL SECTION	SHEET 359	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 1.DWG PLOT DATE : 4/23/2025 2:02 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 03
WISDOT/CADDS SHEET 42

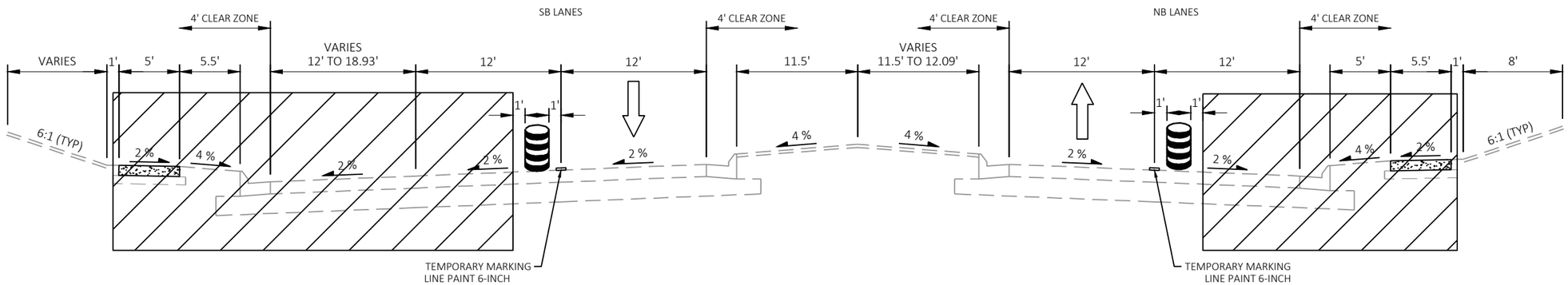


STA 244+62.64 TO STA 246+14.00

STA 242+29.00 TO STA 243+72.58

STH 181 STAGING TYPICAL SECTION, SUPERELAVATED

STA 238+60.00 TO STA 246+14.00



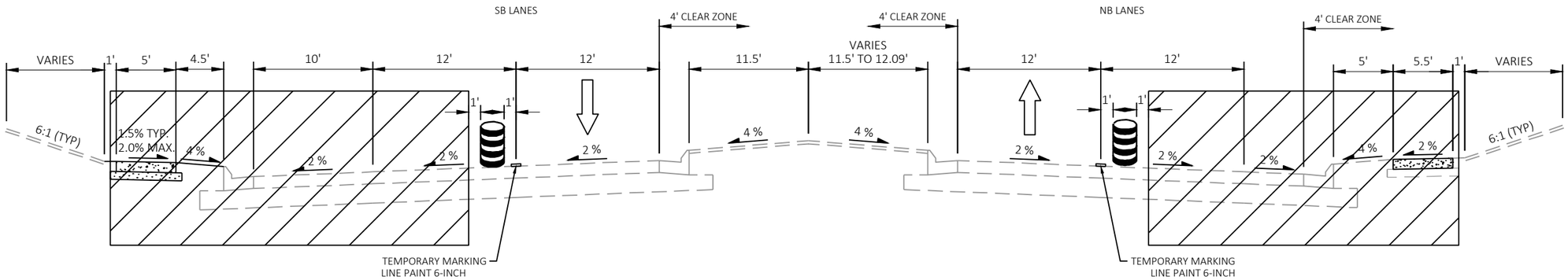
STH 181 STAGING TYPICAL SECTION

STA 246+14.00 TO STA 257+50.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 1 STAGING TYPICAL SECTION	SHEET 360	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 1.DWG PLOT DATE : 4/23/2025 2:02 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 04
WISDOT/CADDS SHEET 42

2



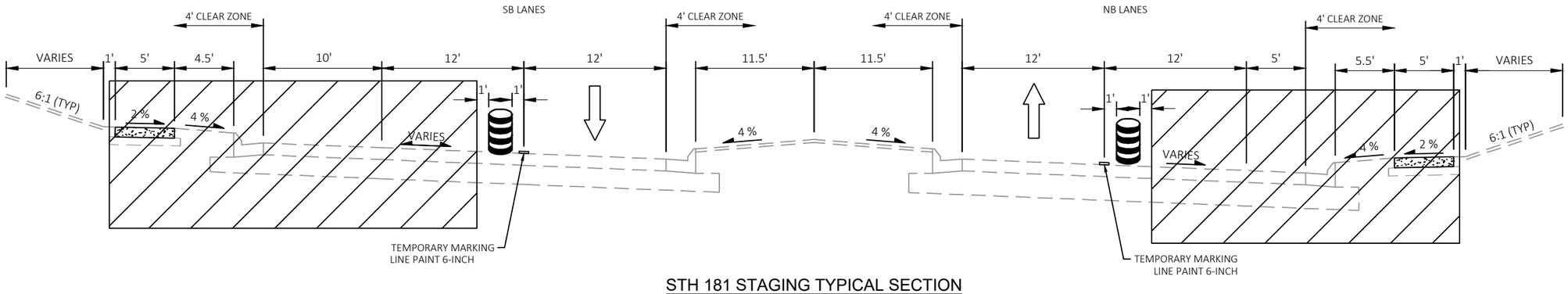
STH 181 STAGING TYPICAL SECTION

STA 257+50 TO STA 271+15
STA 275+82 TO STA 287+11.68

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 1 STAGING TYPICAL SECTION	SHEET 361	E

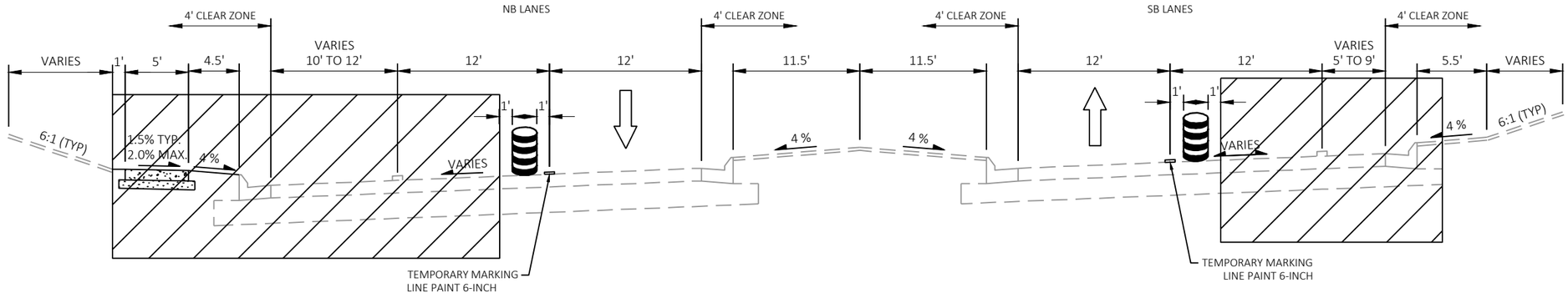
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 1.DWG PLOT DATE : 4/23/2025 2:02 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 05
WISDOT/CADDS SHEET 42

2



STH 181 STAGING TYPICAL SECTION

STA 271+15.00 TO STA 275+82.00



STH 181 STAGING TYPICAL SECTION, SUPERELEVATED

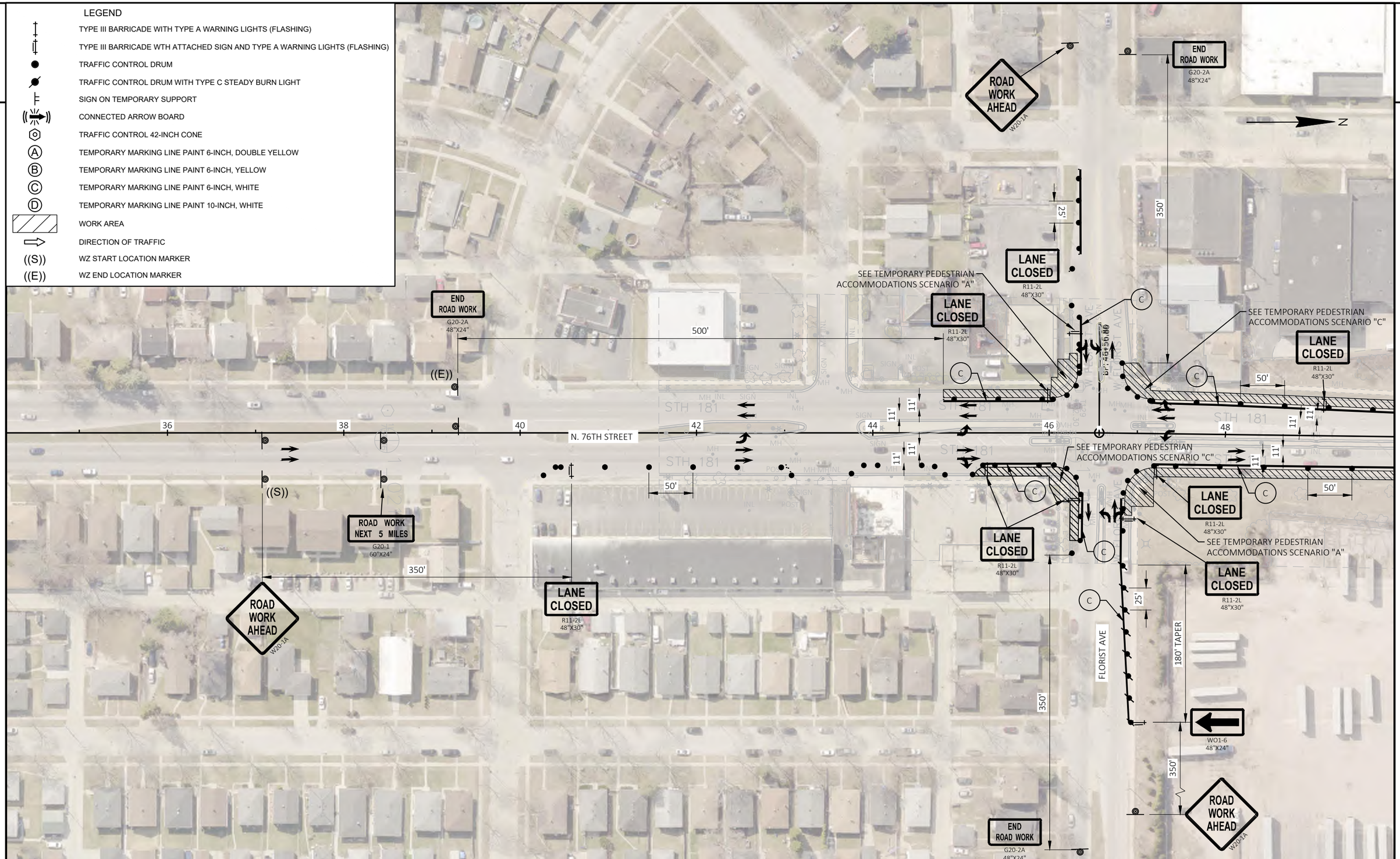
STA 280+29.00 TO STA 281+00.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 1 STAGING TYPICAL SECTION	SHEET 362	E

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 363	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:35 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 01

2

LEGEND

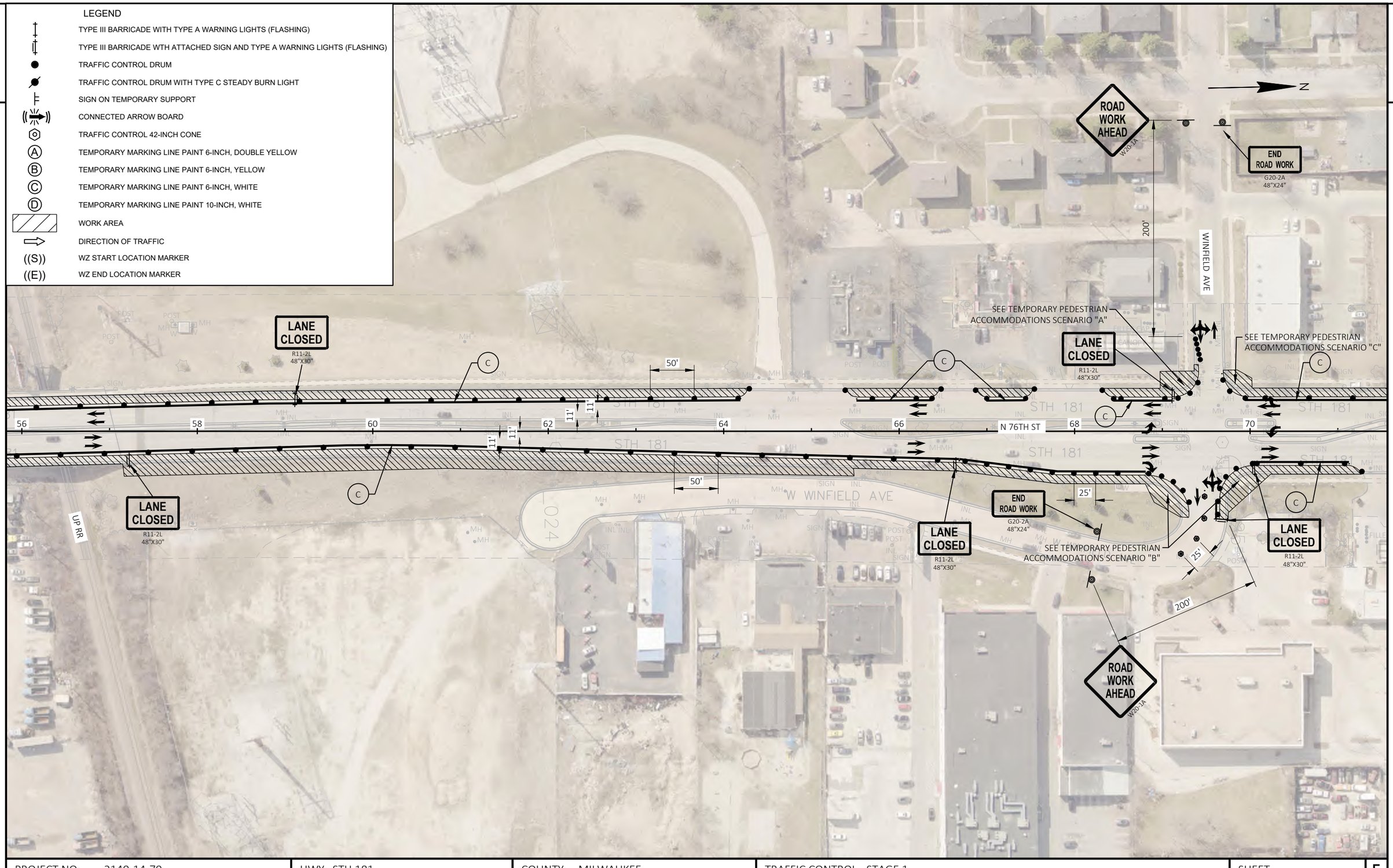
- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD
W20-1A
350'
END ROAD WORK
G20-2A
48"X24"
LANE CLOSED
R11-2L
48"X30"
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "A"
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "C"
11'
44
46
48
50
52
54
56
58
N 76TH ST
STH 181
DOUGLAS AVE
50'
UP RR
FLORIST AVE
25'
180' TAPER
WO1-6
48"X24"
N

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 365	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:35 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 03

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD W20-1A
350'
((S))
350'
RIGHT SHOULDER CLOSED W21-5A
END ROAD WORK G20-2A 48"X24"
((E))
ROAD CLOSED R11-2 48"X30"
25'
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "C"
LANE CLOSED R11-2L 48"X30"
C
LANE CLOSED R11-2L 48"X30"
73+10.95
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "G"
LANE CLOSED R11-2L 48"X30"
200'
CLOVERNOOK ST
END ROAD WORK G20-2A 48"X24"
ROAD WORK AHEAD W20-1A
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "A"
50'
LANE CLOSED R11-2L 48"X30"
ROAD WORK AHEAD W20-1A
ACACIA ST
N
72
74
76
78
11'
11'
80
N 76TH ST
82
84
86
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "C"
LANE CLOSED R11-2L 48"X30"
ROAD CLOSED R11-2 48"X30"
LANE CLOSED R11-2L 48"X30"
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "G"
CTH S MILL RD
ROAD CLOSED R11-2 48"X30"
245' TAPER
25'
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "B"
50'
LANE CLOSED R11-2L 48"X30"
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "C"
350'
END ROAD WORK G20-2A 48"X24"
END ROAD WORK G20-2A 48"X24"
((E))
350'
350'
RIGHT SHOULDER CLOSED W21-5A
ROAD WORK AHEAD W20-1A
((S))

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 366	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:35 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 04
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

ROAD WORK AHEAD W20-1A

ACACIA ST

END ROAD WORK G20-2A 48"X24"

LANE CLOSED R11-2L 48"X30"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "A"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "C"

STH 181

86 88 90 92 94 96 98 100

N 76TH ST

11' 11' 11' 11'

50' 50'

55'

200'

125'

ROAD CLOSED R11-2 48"X30"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "H"

GREEN TREE RD

PI: 99+70.27

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 367	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:35 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

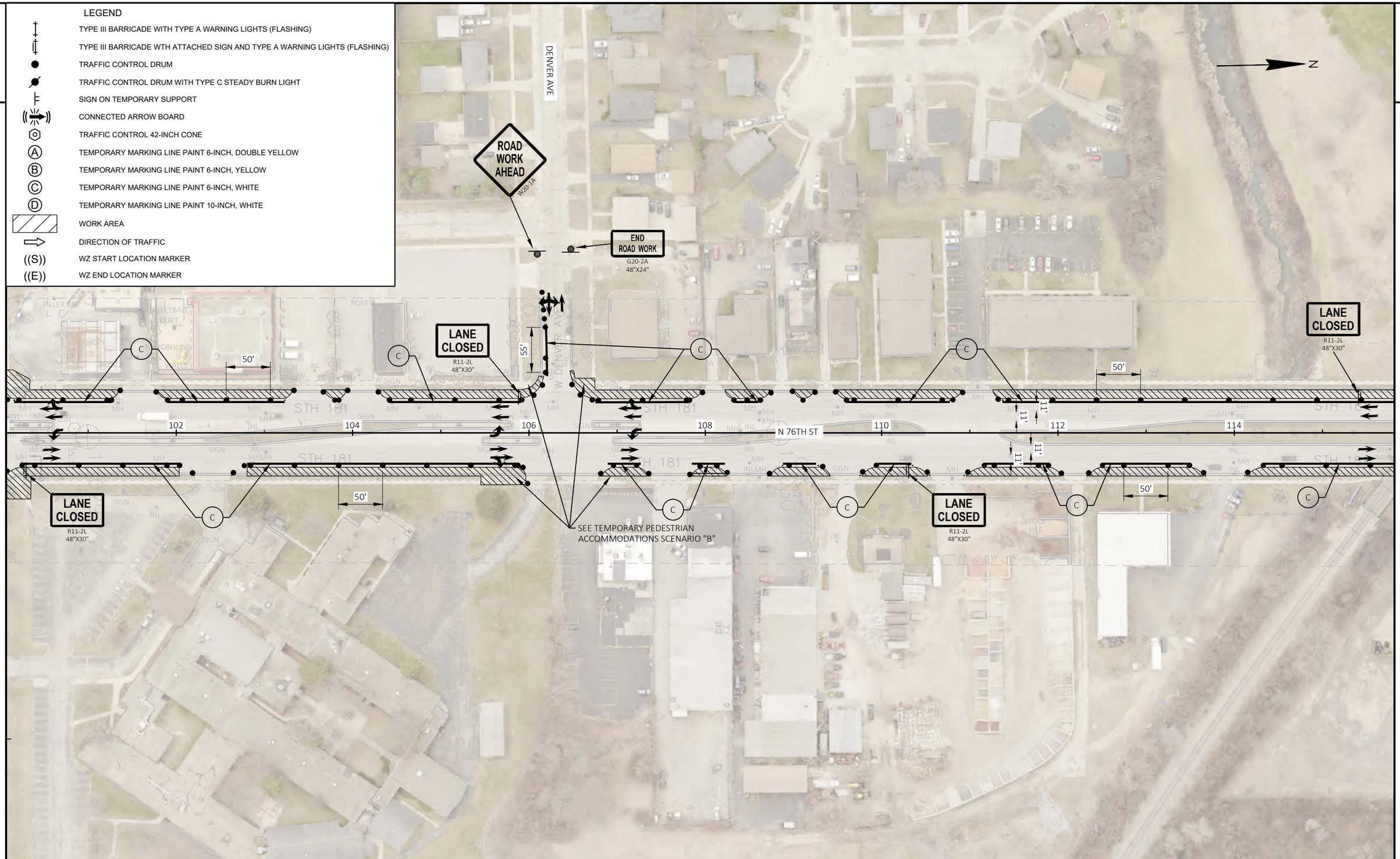
LAYOUT NAME - 05

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 368	E

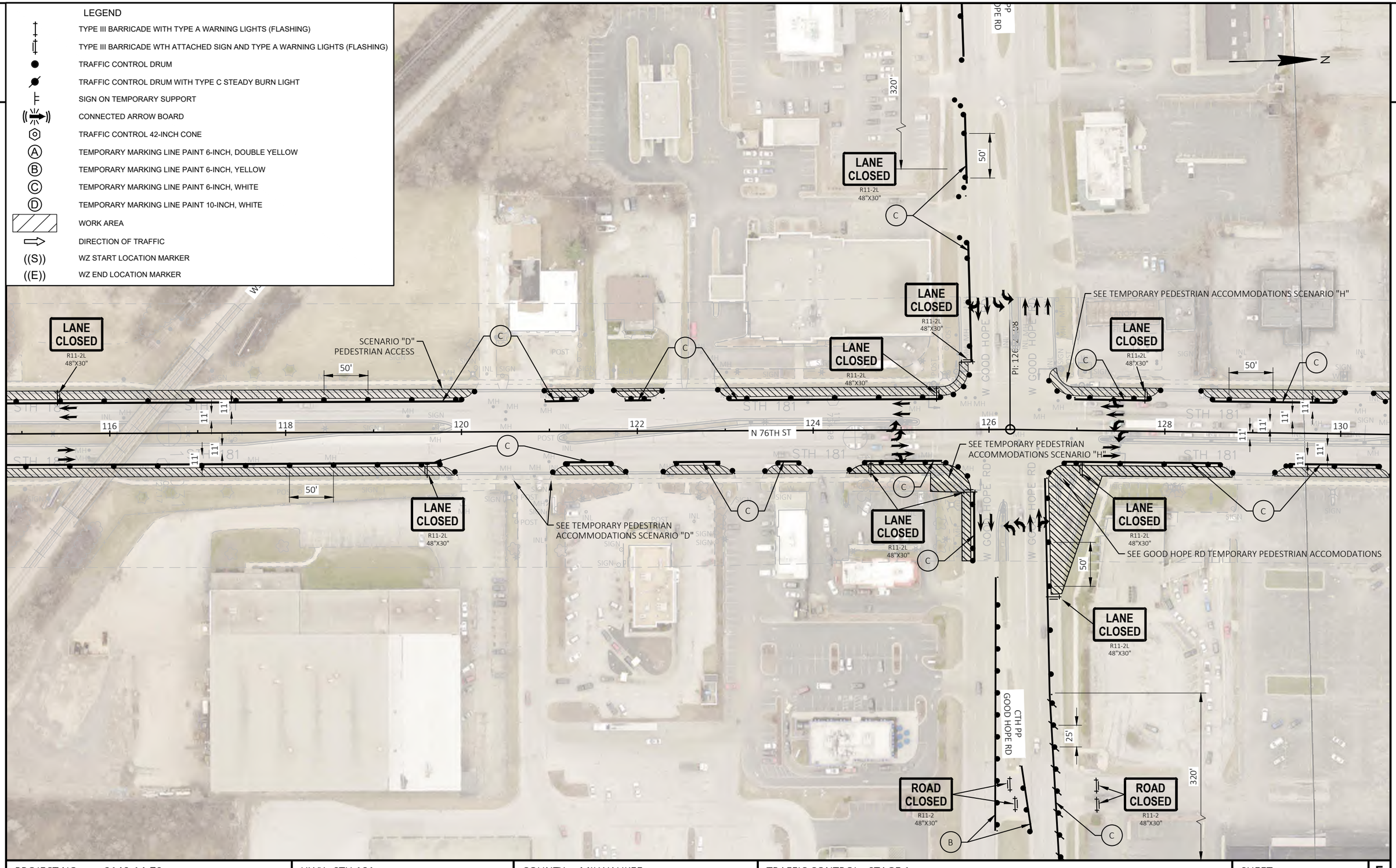
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:35 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 06

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 369	E

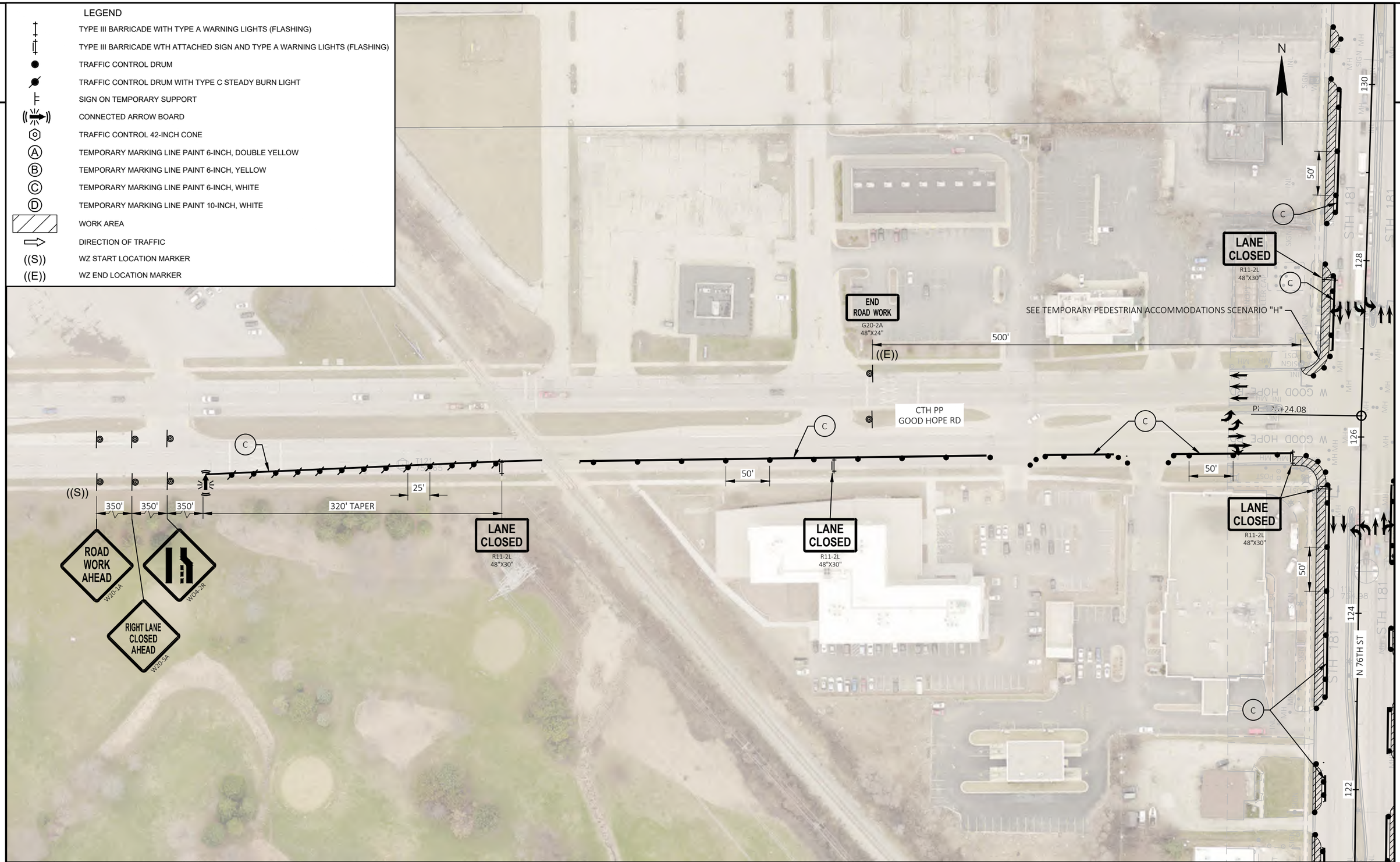
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:35 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 07

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 370	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:36 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 08_GoodHope

WISDOT/CADDS SHEET 42

2

N

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

ROAD CLOSED
R11-2
48"X30"

320' TAPER

350'

350'

350'

RIGHT LANE CLOSED AHEAD
W20-5A

W04-2R

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

500'

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "H"

SEE GOOD HOPE RD TEMPORARY PEDESTRIAN ACCOMODATIONS

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "H"

CTH PP
GOOD HOPE RD

CTH PP
GOOD HOPE RD

25'

((S))

((E))

50'

50'

130

128

126

124

122

11'

11'

11'

11'

11'

STH 181

N 76TH ST

W GOOD HOPE RD

Pl. 24.08

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

500'

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

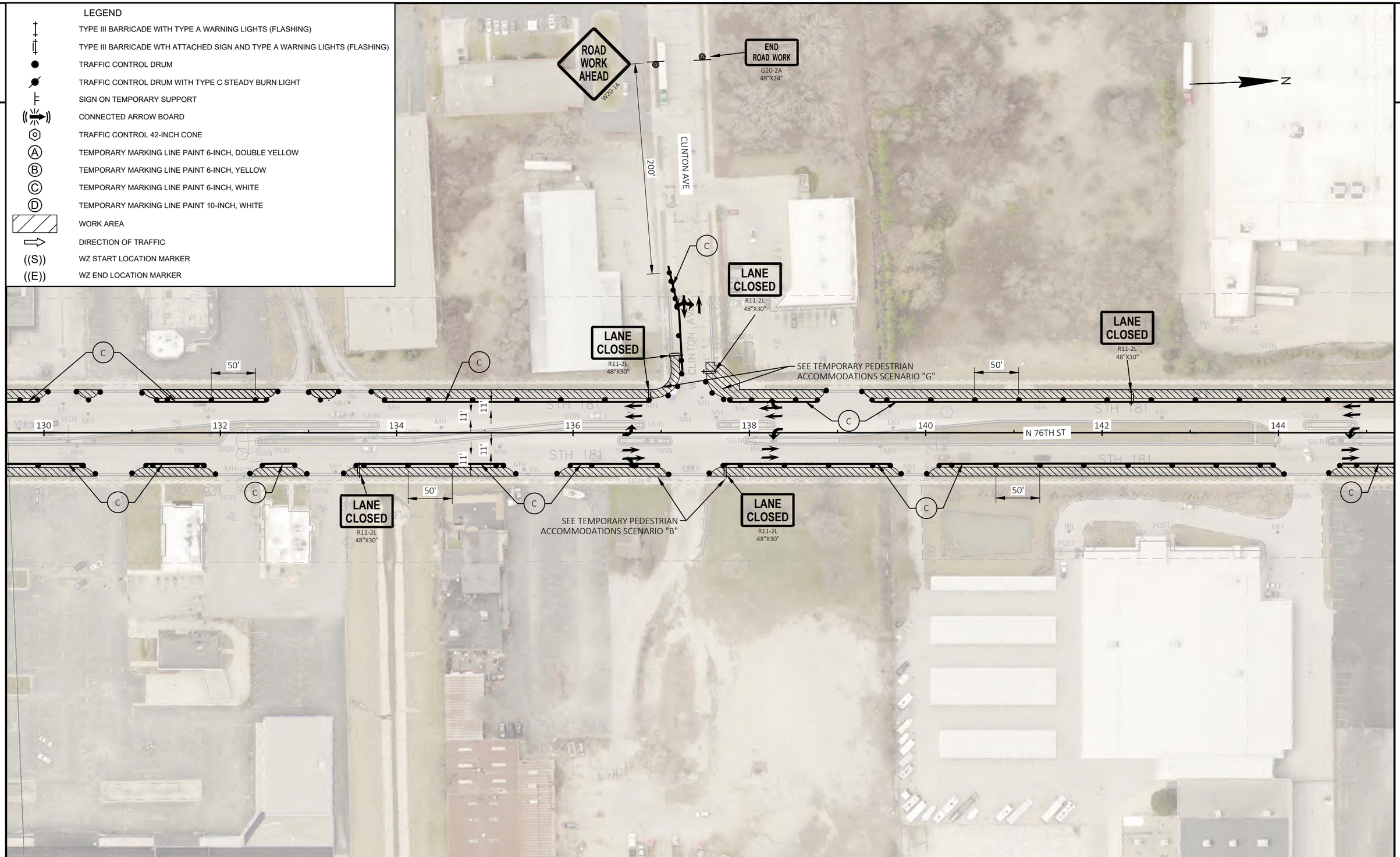
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 371	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:36 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 08_GoodHope (2)
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 372	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:36 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 09

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

N

350'

55'

LANE CLOSED
R11-2L
48"X30"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "H"

50'

146 148 150 152 154 156 158 160

11' 11' 11' 11'

STH 181

N 76TH ST

CALUMET RD

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "A"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "C"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "A"

350'

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 373	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:36 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 10

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

200'

LOLITA AVE

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "A"

LANE CLOSED
R11-2L
48"X30"

50'

11'

160 162 164 166 168 170 172 174

STH 181

N 76TH ST

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 374	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:36 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 11

WISDOT/CADDS SHEET 42

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

LOLITA AVE

BRADLEY RD

50'

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "A"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "C"

50'

11'

11'

174

176

178

180

182

184

186

188

N 76TH ST

STH 181

RIGHT LANE CLOSED AHEAD
W20-5A

((S))

((E))

200'

200'

200'

WC4-2R

TOWER AVE

WO3-1

R3-2
24"X24"

25'

125'

300'

55'

STOP
R1-1
36"X36"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "B"

350'

350'

25'

350'

N

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 375	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:36 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 12

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

UP RR

LANE CLOSED
R11-2L
48"X30"

50'

11'

11'

190 192 194 196 198 N 76TH ST 200 202 204

11'

50'

25'

50'

C

C

320' TAPER

350'

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 376	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:36 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 13

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

200'

LANE CLOSED R11-2L 48"X30"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "A"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "G"

50'

55'

PC: 206+03.65

100'

11'

50'

SERVITE DR

PI: 212+81.69

76TH PL

N 76TH ST

STH 181

800'

500'

PC: 217+15.25

25'

204

206

208

210

212

214

216

218

N

PROJECT NO: 2140-14-70 | HWY: STH 181 | COUNTY: MILWAUKEE | TRAFFIC CONTROL - STAGE 1 | SHEET 377 | E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:36 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 14

2

2

N

W04-6R
48"X48"

W04-6R
48"X48"

ROAD
WORK
AHEAD
W20-1A

800'

500'

BROWN DEER RD SB
ENTRANCE RAMP

LANE
CLOSED
R11-2L
48"X30"

100'

C

LANE
CLOSED
R11-2L
48"X30"

STH 181

BROWN DEER RD

PT: 231+32.62

11'

11'

226

224

222

220

N 76TH ST

228

230

232

100'

BROWN DEER RD
NB EXIT RAMP

18

25'

D

EXIT
E5-1
48"X48"

LANE
CLOSED
R11-2L
48"X30"

COVER EXISTING
EXIT SIGN

C

RAMP
CLOSED
R11-2R
48"X30"

STH 100

BROWN DEER RD

10044

LEGEND

	TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	SIGN ON TEMPORARY SUPPORT
	CONNECTED ARROW BOARD
	TRAFFIC CONTROL 42-INCH CONE
Ⓐ	TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
Ⓑ	TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
Ⓒ	TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
Ⓓ	TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
	WORK AREA
	DIRECTION OF TRAFFIC
((S))	WZ START LOCATION MARKER
((E))	WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 378	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:36 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 15

2

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

BROWN DEER RD

BROWN DEER RD SB EXIT RAMP

STH 181

STH 100

END ROAD WORK
G20-2A
48"X24"

PC: 239+84.07

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

EXIT
E5-1
48"X48"

PT: 244+83.22

234 236 238 240 242 244 246 248

N 76TH ST

100' 100' 11' 11' 50' 50' 25' 25' 200'

C C D D

BROWN DEER RD NB ENTRANCE RAMP

BROWN DEER RD

ROAD WORK AHEAD
W20-1A

WO4-5R
48"X48"

WO4-5R
48"X48"

800' 500' 600'

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 379	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:36 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 16

WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ALLYN ST

LANE CLOSED
R11-2L
48"X30"

25'

25'

SEE ALLYN ST TEMPORARY PEDESTRIAN ACCOMODATIONS

50'

11'

N 76TH ST

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

25'

NORTHRIDGE LAKES BLVD

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "A"

LANE CLOSED
R11-2L
48"X30"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "C"

PI: 260+11.99

100'

248 250 252 254 256 258 260 262

STH 181

25'

600' TAPER

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

100'

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

50'

50'

LANE CLOSED
R11-2L
48"X30"

SEE NORTHRDIGE LAKES BLVD TEMPORARY PEDESTRIAN ACCOMODATIONS

100'

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

LEGEND

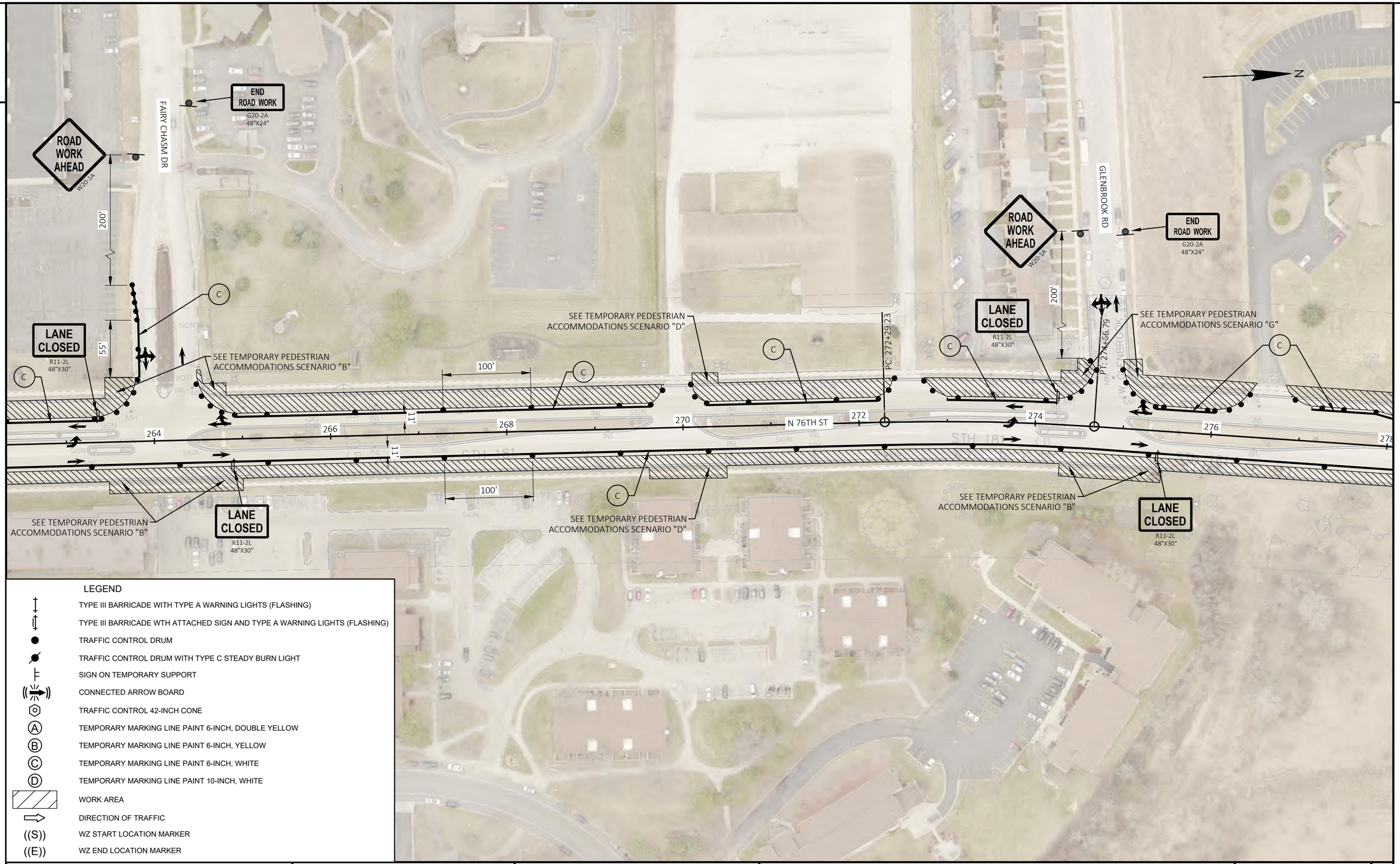
- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 380	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:36 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 17

WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 381	E

2

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

N

W COUNTY LINE RD

350'

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

25'

50'

100'

25'

100'

C

D

PC: 281+45.75

PT: 284+48.67

EP: 287+11.58

276

278

280

282

284

286

11'

11'

11'

N 76TH ST

STH 181

W COUNTY LINE RD

((E))

END ROAD WORK
G20-2A
48"X24"

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

350'

STOCK PILE

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 382	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:37 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 19

WISDOT/CADDS SHEET 42

2

N

W COUNTY LINE RD

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

ROAD WORK NEXT 5 MILES
G20-1
60"X24"

RIGHT LANE CLOSED AHEAD
W20-5A

ROAD WORK AHEAD
W20-1A

W04-2R

540' TAPER

100'

50'

500'

500'

500'

25'

25'

10'

10'

11'

((S))

STH 181

W COUNTY LINE RD

EP: 287+11.58

STOCK PILE

ORCHARD

SEPTIC

RIPRAP

SIGN

INL

MH

POST

SEPC

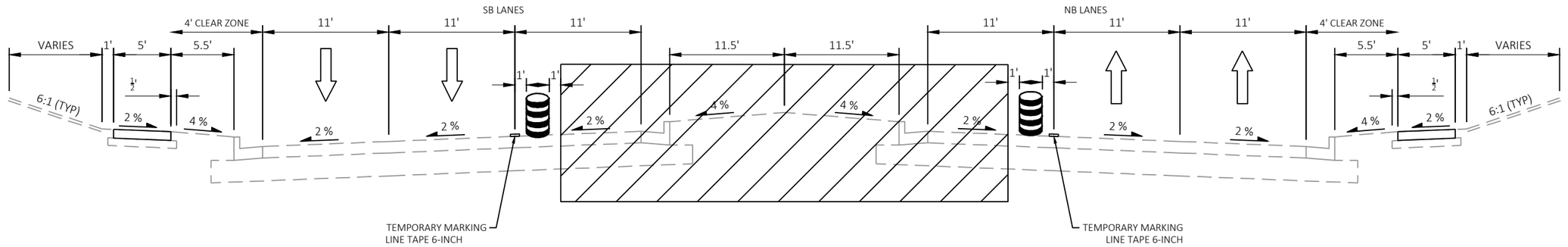
A/C

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE PAINT 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE PAINT 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE PAINT 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

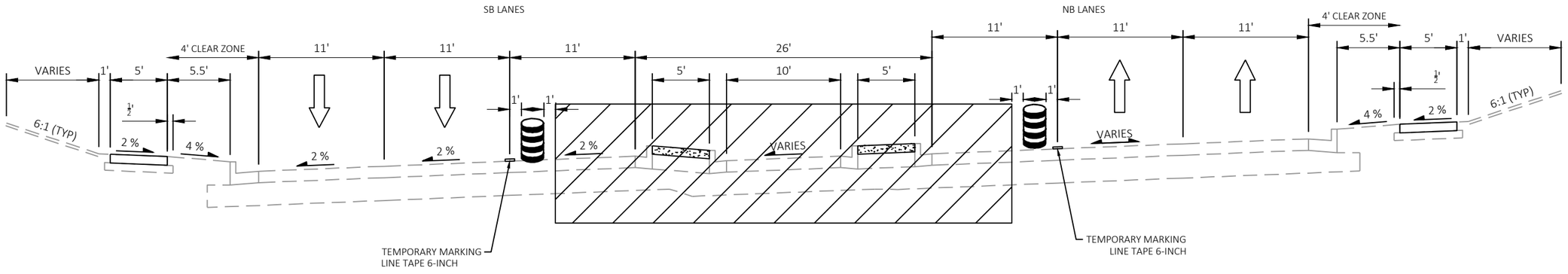
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 1	SHEET 383	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 1_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 9:37 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 20



STH 181 STAGING TYPICAL SECTION

STA 46+00.00 TO STA 124+61+00 (NB)
STA 46+00.00 TO STA 125+03.30 (SB)
STA 127+50.00 TO STA 140+00.00 (NB)
STA 127+81.00 TO STA 140+00.00 (SB)
*STA 140+00.00 TO STA 204+92.00

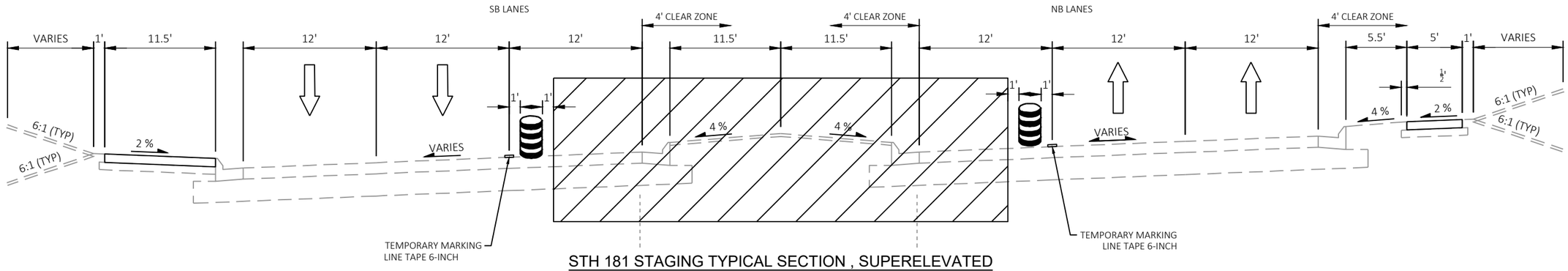


STH 181 STAGING TYPICAL SECTION , SUPERELEVATED

STA 204+92.00 TO STA 206+12.00

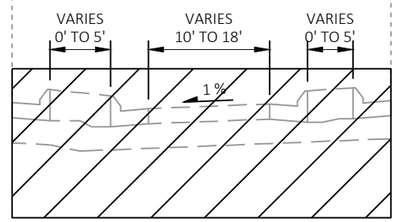
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 2 STAGING TYPICAL SECTION	SHEET 384	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 2.DWG PLOT DATE : 4/23/2025 2:03 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 01
WISDOT/CADDS SHEET 42

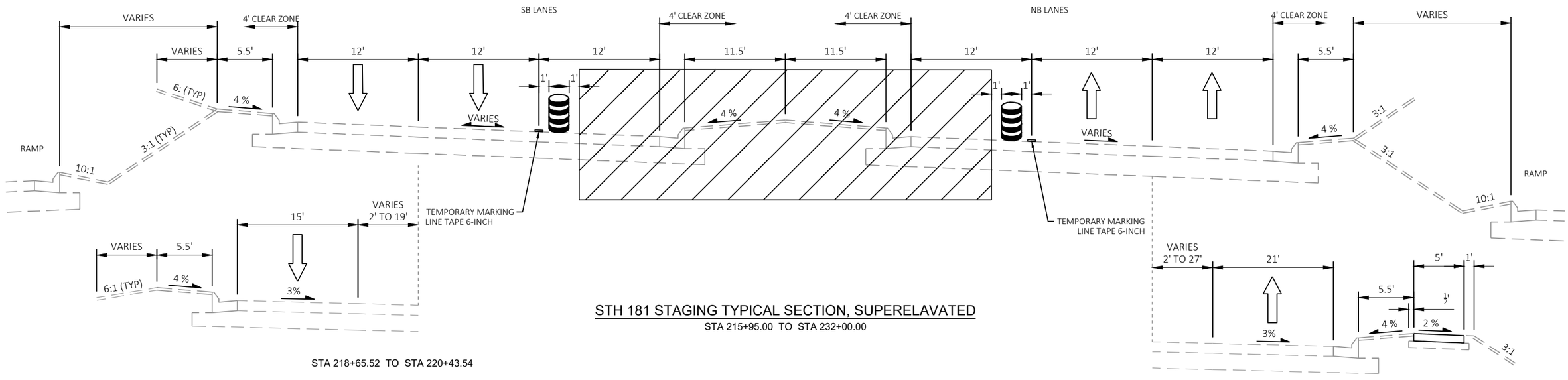


STH 181 STAGING TYPICAL SECTION , SUPERELEVATED

STA 206+12.00 TO STA 214+06.00



STA 206+27.00 TO STA 207+64.00
STA 213+20.00 TO STA 214+06.00



STH 181 STAGING TYPICAL SECTION, SUPERELAVATED

STA 215+95.00 TO STA 232+00.00

STA 218+65.52 TO STA 220+43.54

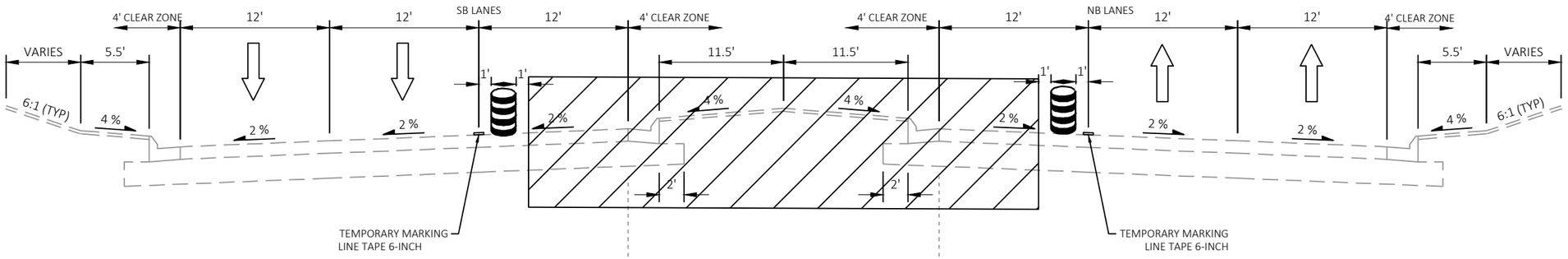
STA 220+86.67 TO STA 224+64.25

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 2 STAGING TYPICAL SECTION	SHEET 385	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 2.DWG PLOT DATE : 4/23/2025 2:03 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 02

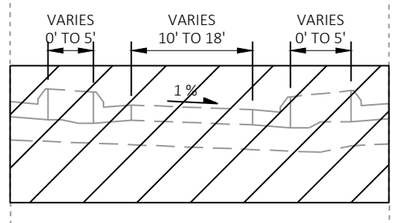
WISDOT/CADDS SHEET 42

2

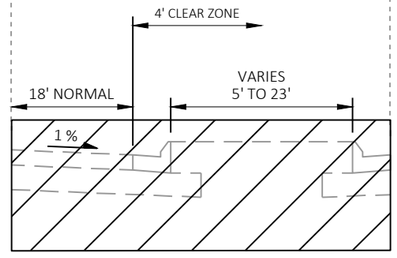


STH 181 STAGING TYPICAL SECTION

STA 214+06 TO STA 215+95.00
STA 232+00.00 TO STA 238+60.00



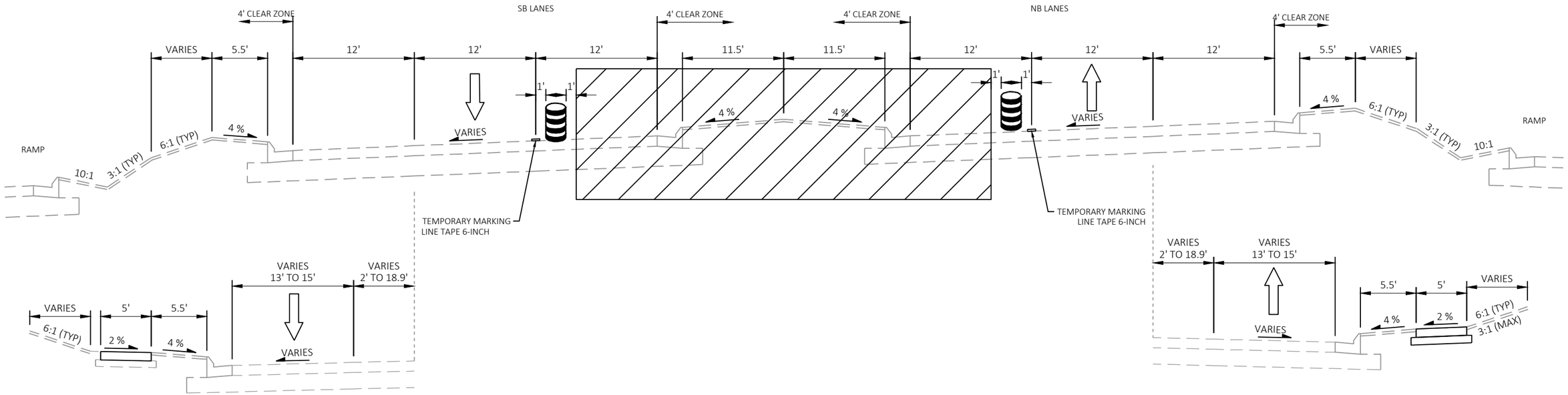
STA 214+06.00 TO STA 214+59.00



STA 214+59.00 TO STA 217+12.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 2 STAGING TYPICAL SECTION	SHEET 386	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 2.DWG PLOT DATE : 4/23/2025 2:03 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 03
WISDOT/CADDS SHEET 42

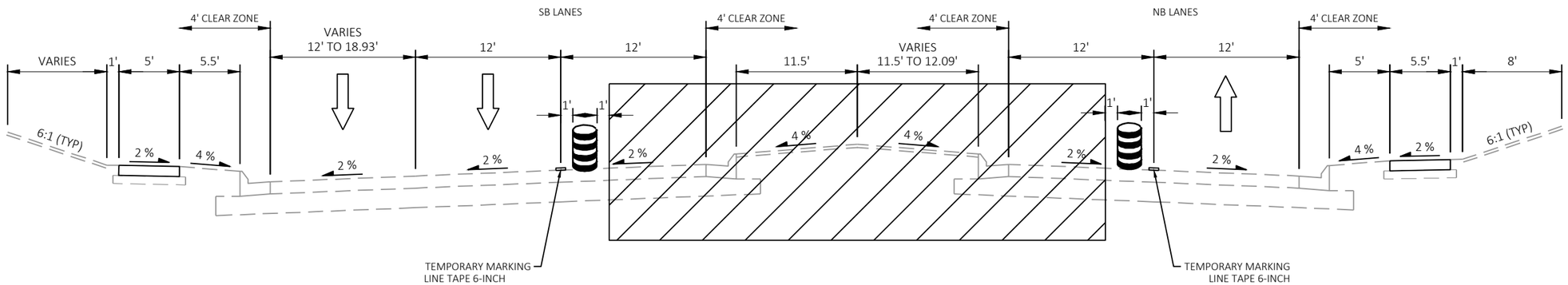


STA 244+62.64 TO STA 246+14.00

STA 242+29.00 TO STA 243+72.58

STH 181 STAGING TYPICAL SECTION, SUPERELAVATED

STA 238+60.00 TO STA 246+14.00

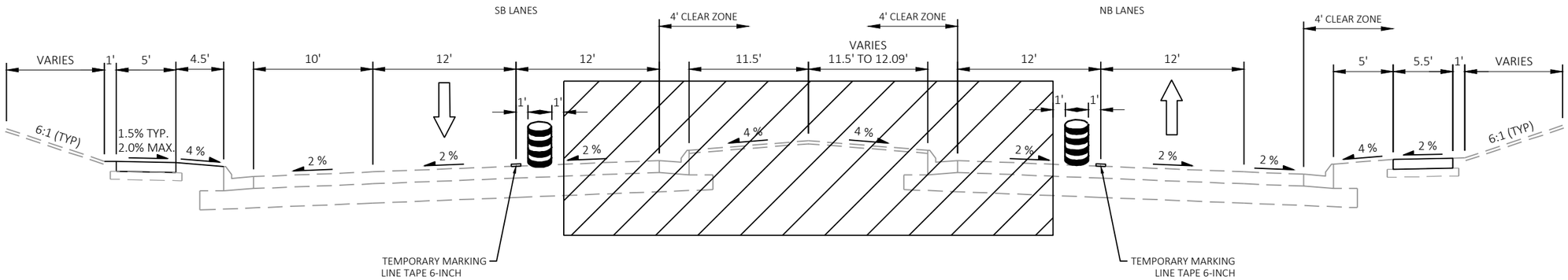


STH 181 STAGING TYPICAL SECTION

STA 246+14.00 TO STA 257+50.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 2 STAGING TYPICAL SECTION	SHEET 387	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 2.DWG PLOT DATE : 4/23/2025 2:03 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 04
WISDOT/CADDS SHEET 42



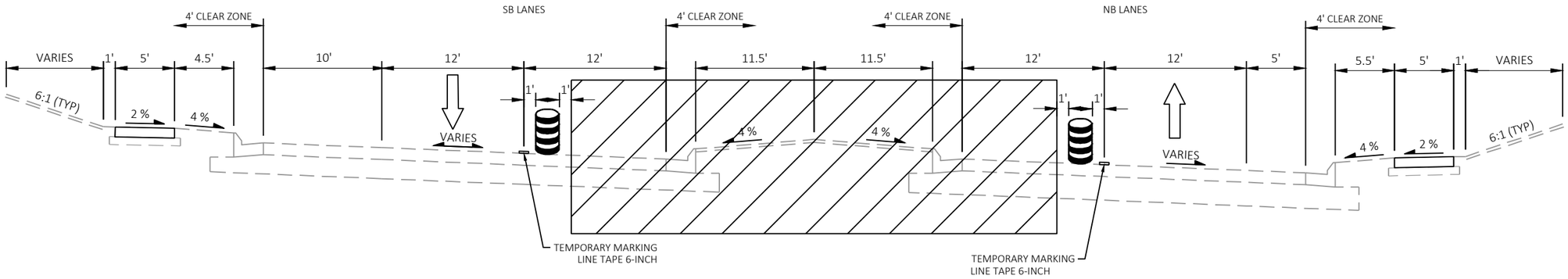
STH 181 STAGING TYPICAL SECTION

STA 257+50 TO STA 271+15
STA 275+82 TO STA 287+11.68

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 2 STAGING TYPICAL SECTION	SHEET 388	E

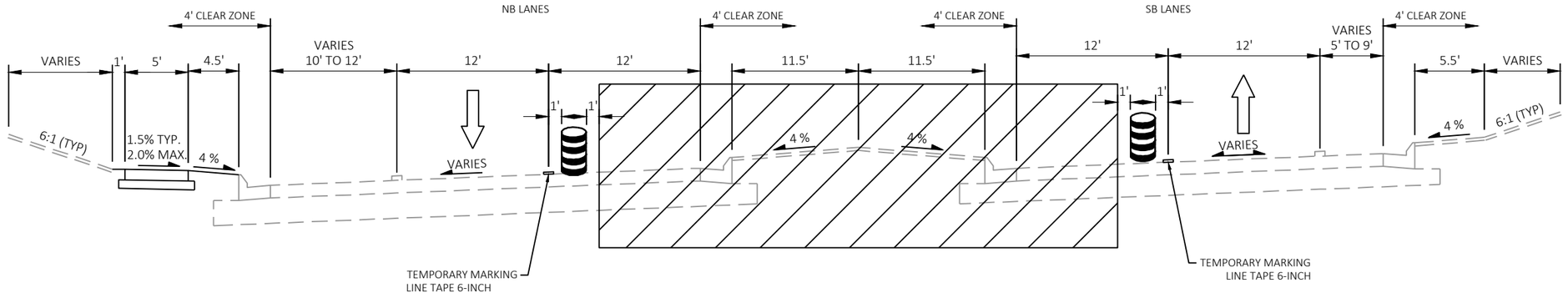
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 2.DWG PLOT DATE : 4/23/2025 2:03 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 05
WISDOT/CADDS SHEET 42

2



STH 181 STAGING TYPICAL SECTION

STA 271+15.00 TO STA 275+82.00



STH 181 STAGING TYPICAL SECTION, SUPERELEVATED

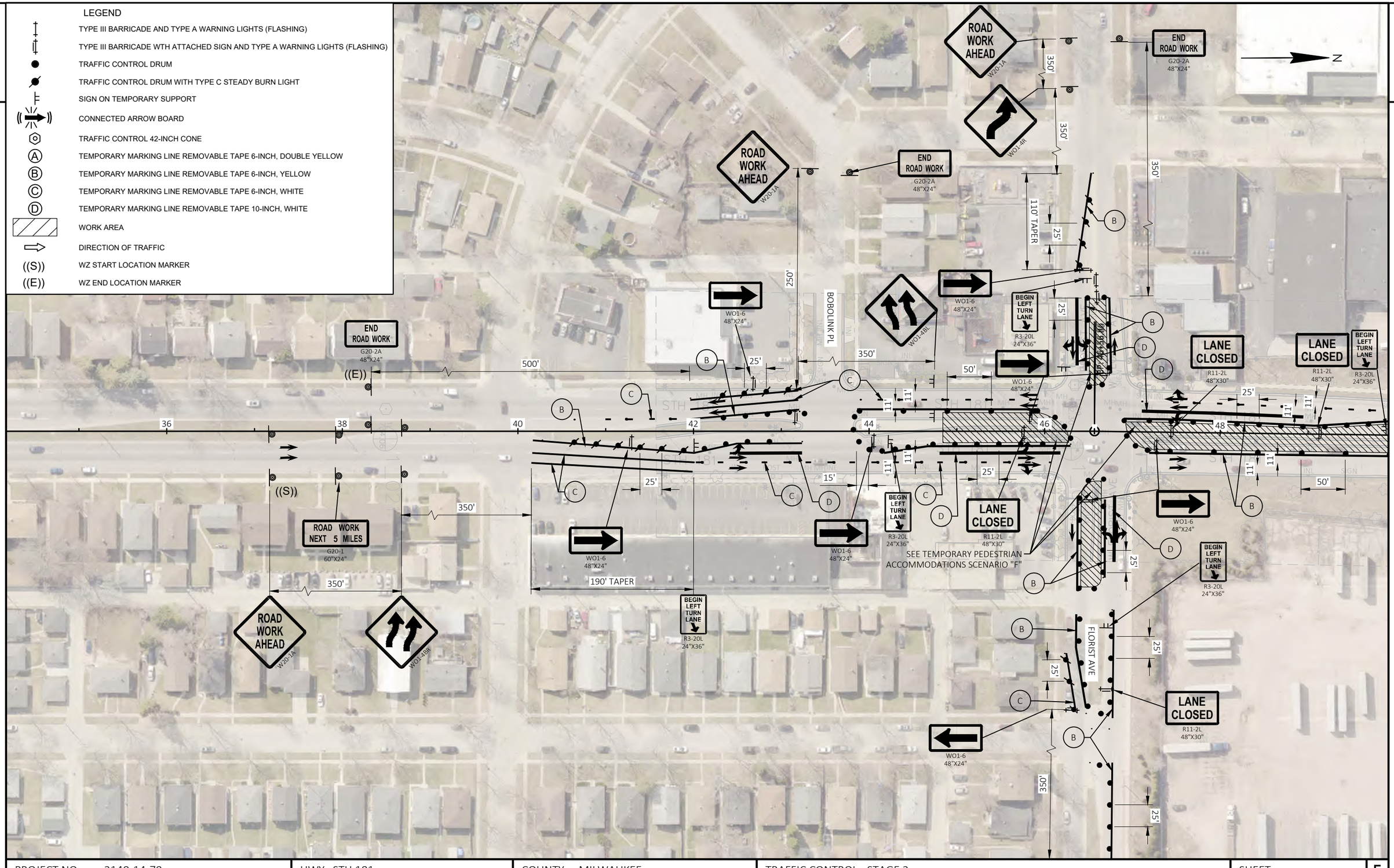
STA 280+29.00 TO STA 281+00.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 2 STAGING TYPICAL SECTION	SHEET 389	E

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 390	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:37 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 01
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

N 76TH ST

50'

50'

50

11'

11'

11'

11'

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

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

25'

48

WO1-6
48"X24"

WO1-6
48"X24"

END ROAD WORK
G20-2A
48"X24"

350'

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

LANE CLOSED
R11-2L
48"X30"

25'

WO1-6
48"X24"

70' TAPER

25'

350'

WO1-4R

350'

ROAD WORK AHEAD
W20-1A

FLORIST AVE

25'

350'

END ROAD WORK
G20-2A
48"X24"

WO1-6
48"X24"

350'

350'

110' SHIFT

ROAD WORK AHEAD
W20-1A

WO1-4R

END ROAD WORK
G20-2A
48"X24"

WO1-4L

WO1-6
48"X24"

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

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"

BOBOLINK PL

ROAD WORK AHEAD
W20-1A

250'

WO1-6
48"X24"

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 391	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:37 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 01_Florist

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

MATCH LINE 56+31.86

N

ROAD WORK AHEAD
W20-3A

WO1-4R

350'

350'

END ROAD WORK
G20-2A
48"X24"

350'

110' TAPER

25'

WO1-6
48"X24"

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

25'

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

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

50'

25'

50'

11'

44 46 48 50 52 54 56 58

N 76TH ST

STH 181

DOUGLAS AVE

LANE CLOSED
R11-2L
48"X30"

50'

15'

25'

LANE CLOSED
R11-2L
48"X30"

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

WO1-6
48"X24"

25'

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

UP RR

LANE CLOSED
R11-2L
48"X30"

FLORIST AVE

25'

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

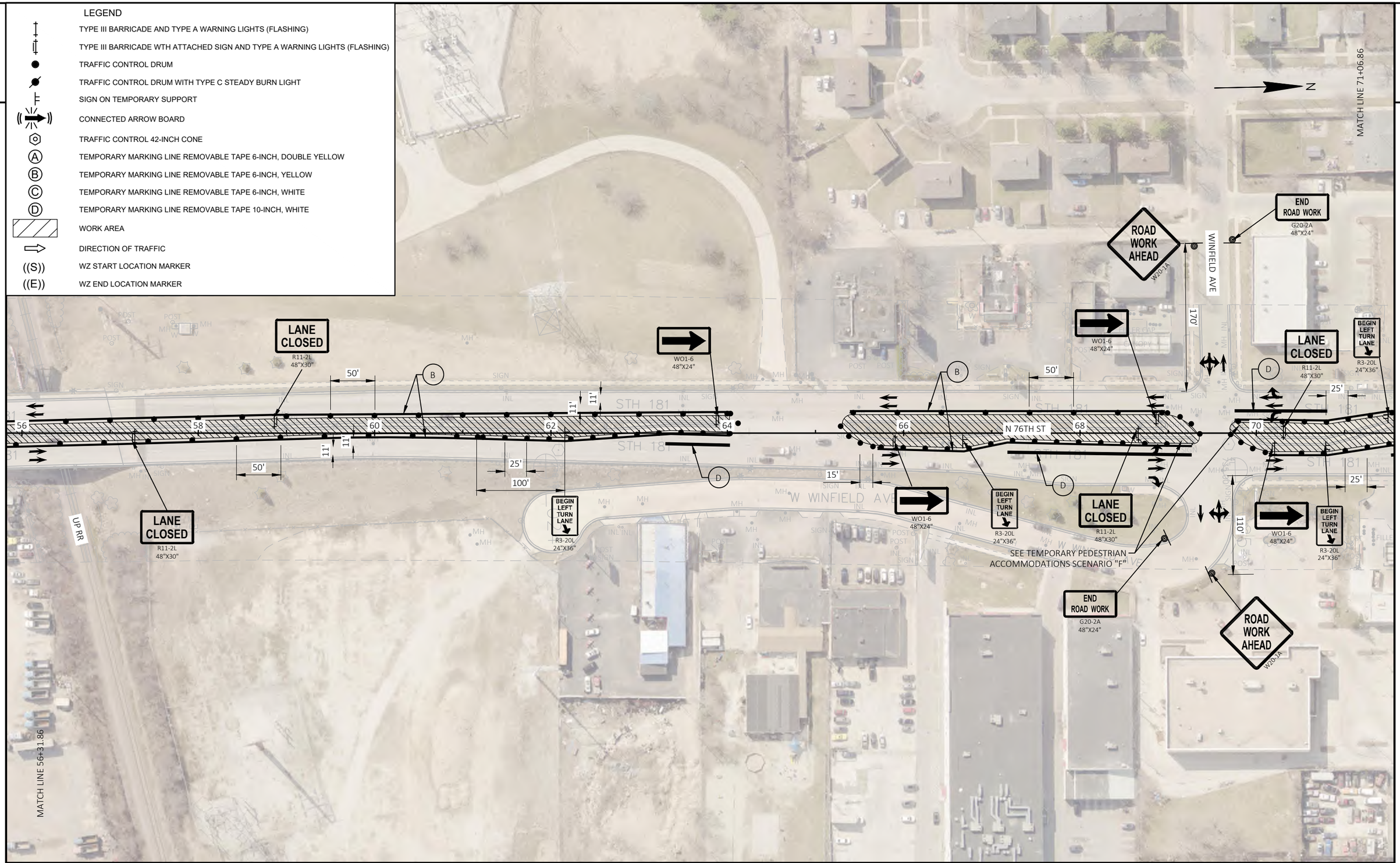
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 392	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG
LAYOUT NAME - 02
PLOT DATE : 4/11/2025 11:37 AM
PLOT BY : EMMA VINDEDAHL
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 393	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:37 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 03

2

2

LANE CLOSED
R11-2L
48"X30"

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

WO1-6
48"X24"

ROAD WORK AHEAD
W20-2A

END ROAD WORK
G20-2A
48"X24"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"

CLOVERNOOK ST

N 76TH ST

ACACIA ST

CTH S
MILL RD

MATCH LINE 85+81.86

MATCH LINE 71+06.86

N

25'
35'
50'
100'
11'
15'

72
74
76
78
80
82
84
86

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 394	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:37 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 04

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

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

LANE CLOSED R11-2L 48"X30"

WO1-6 48"X24"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"

245' TAPER

350'

LEFT LANE CLOSED AHEAD W20-5SA

ROAD WORK AHEAD W20-1A

W04-2L

END ROAD WORK G20-2A 48"X24"

380'

ROAD CLOSED R11-2 48"X30"

250' TAPER

CTH S MILL RD

PI: 73+10.95

WINFIELD AVE

170'

110'

MATCH LINE 71+06.86

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 395	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:37 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

LAYOUT NAME - 05_Mill

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

ACACIA ST

160'

LANE CLOSED R11-2L 48"X30"

WO1-6 48"X24"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"

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

100'

25'

11'

50'

STH 181

N 76TH ST

86 88 90 92 94 96 98 100

D B

MATCH LINE 100+00

N

GREEN TREE RD

PI: 99+70.27

370'

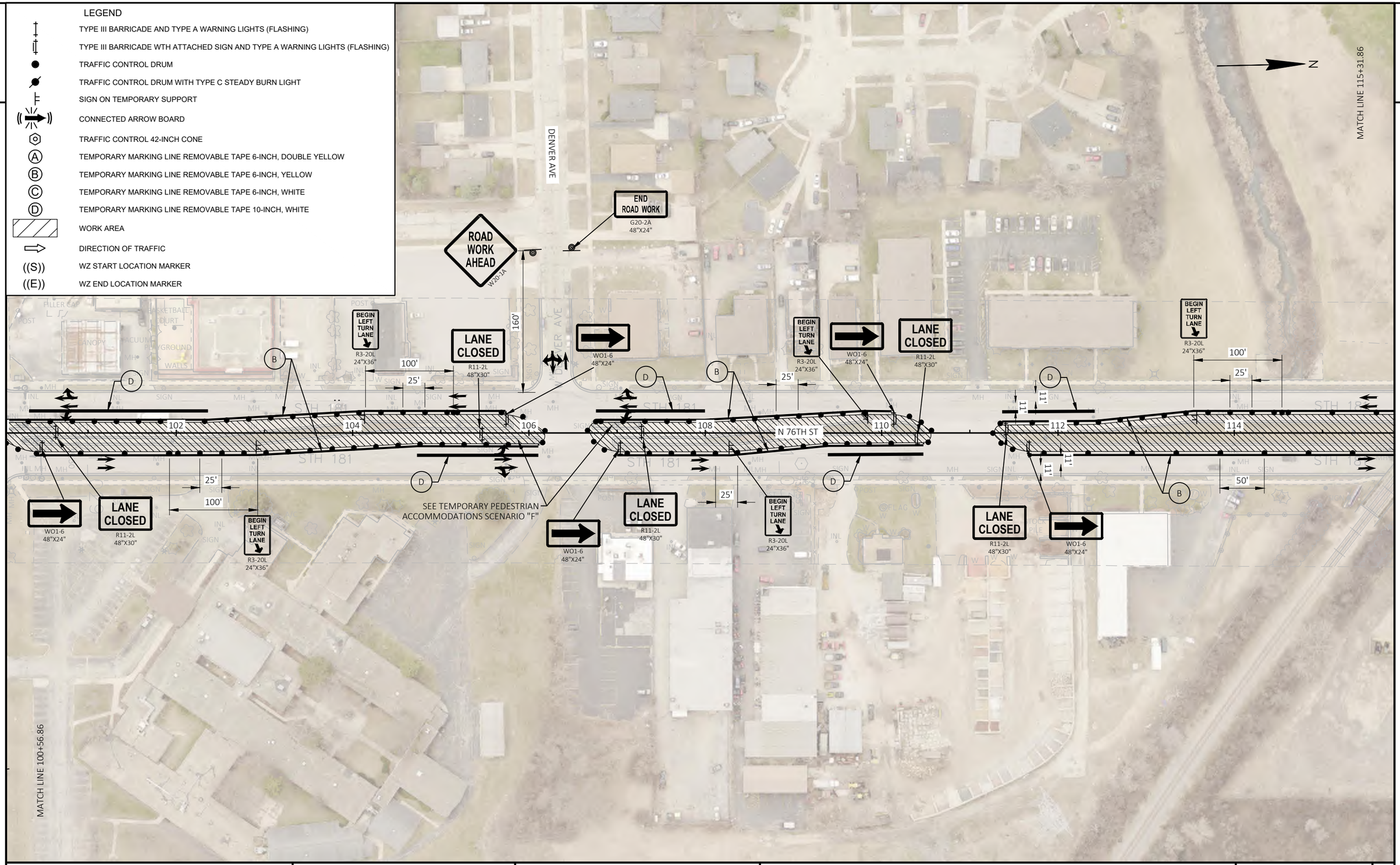
335'

MATCH LINE 85+81.86

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



2

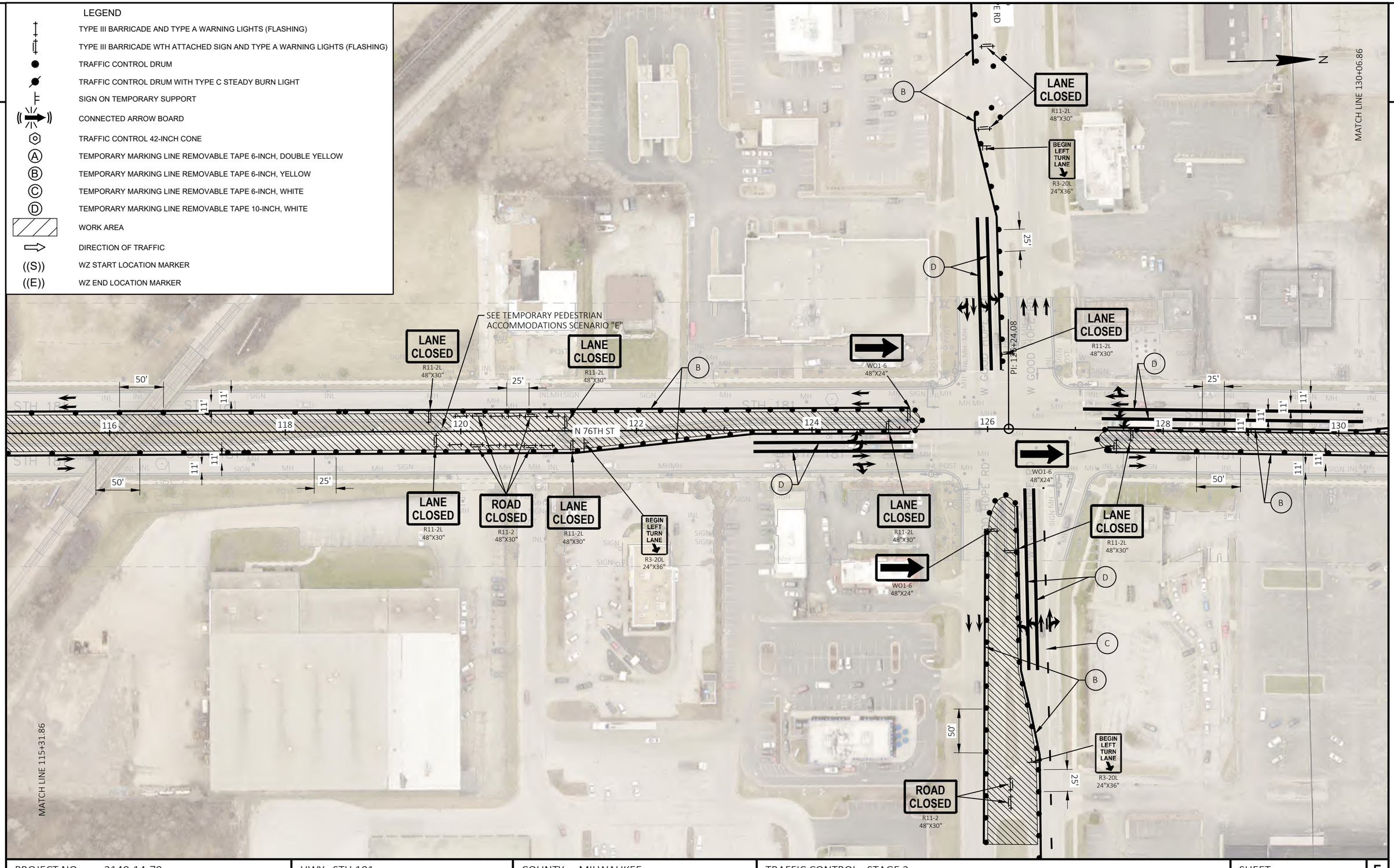
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 397	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:38 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 07

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 398	E

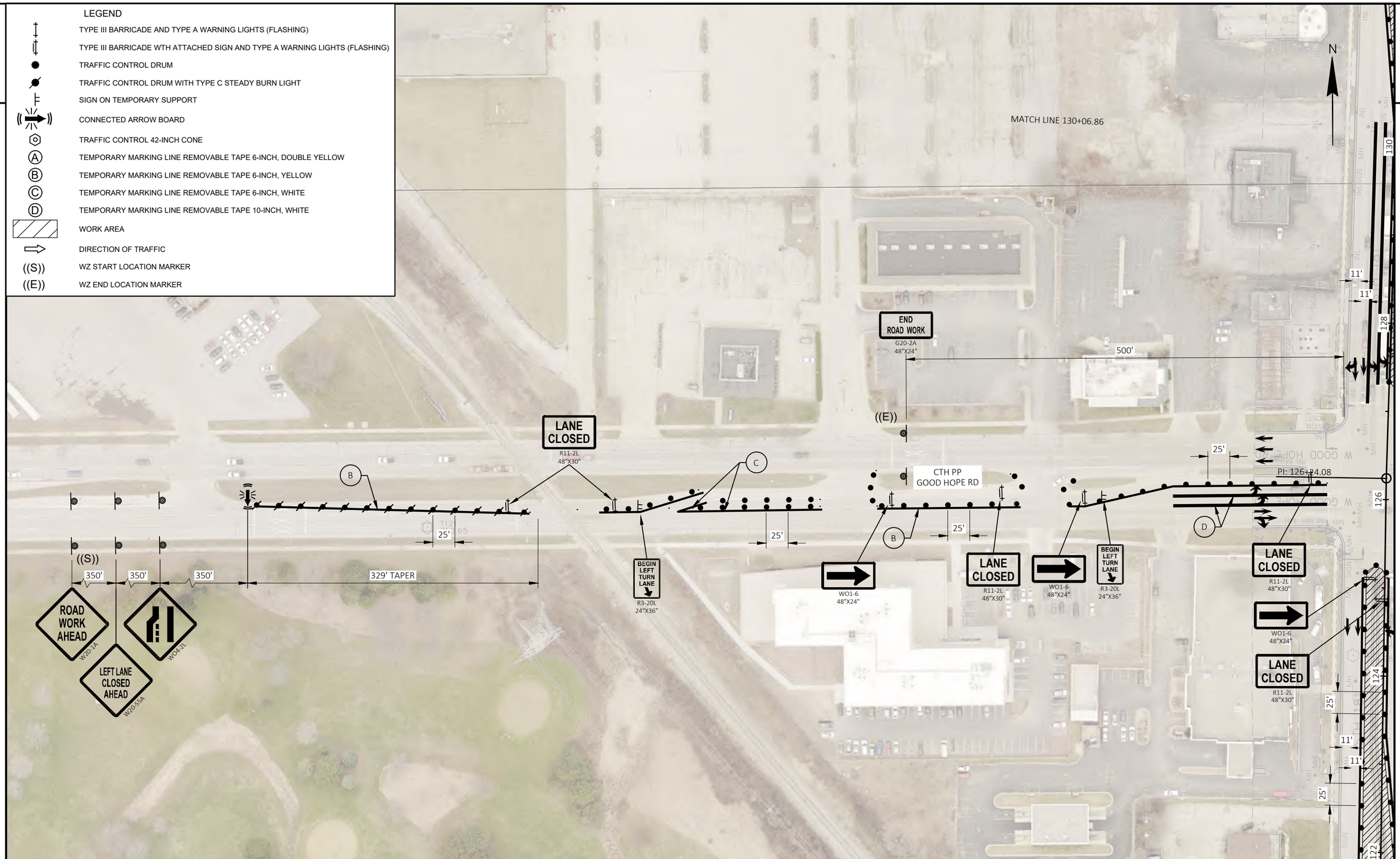
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:38 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 08

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 399	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:38 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 09_GoodHope

WISDOT/CADDS SHEET 42

2

N

LANE CLOSED
R11-2L
48"X30"

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

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

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

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

CTH PP
GOOD HOPE RD

ROAD CLOSED
R11-2
48"X30"

WO1-6
48"X24"

((E))

END ROAD WORK
G20-2A
48"X24"

T122
734.01

11'
11'
50'
25'
25'
25'
25'
500'
11'
11'

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

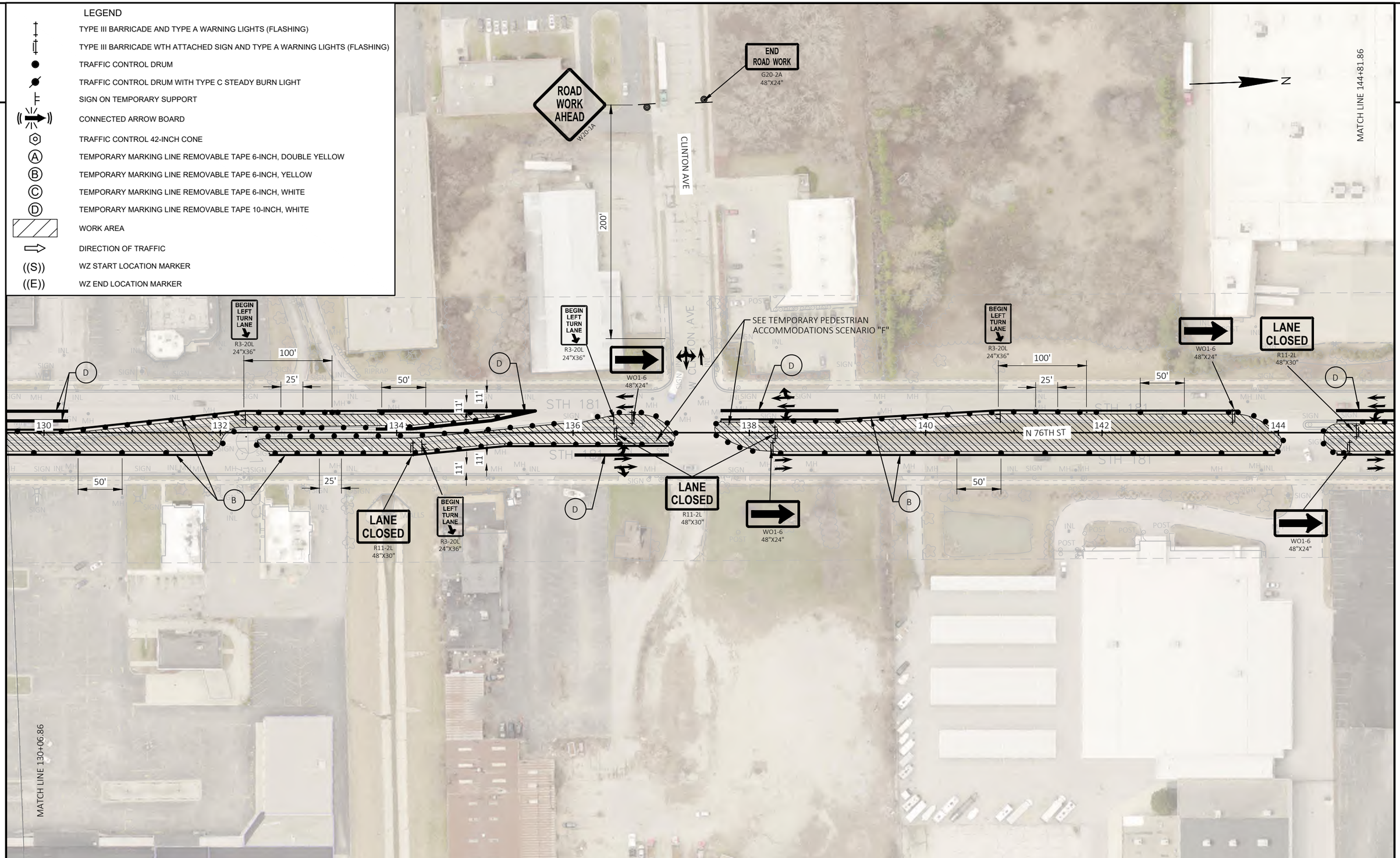
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 400	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:38 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 10_GoodHope
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 401	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:38 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 11

2

2

N

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

D
25'

B

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

CTH PP
GOOD HOPE RD

320' TAPER

350'

350'

350'

LEFT LANE CLOSED AHEAD
W20-5SA

W04-2L

ROAD WORK AHEAD
W20-3A

((S))

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 402	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:38 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 11_GoodHope
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD W20-1A
350'
WO1-6 48"X24"
B
25'
LANE CLOSED R11-2L 48"X30"
END ROAD WORK G20-2A 48"X24"
350'
N
MATCH LINE 159+56.86
D
BEGIN LEFT TURN LANE R3-20L 24"X36"
100'
50'
11'
146
148
150
152
154
156
158
160
N 76TH ST
STH 181
CALUMET RD
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"
MATCH LINE 144+81.86

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 403	E

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

MATCH LINE 174+31.86

200'

LOLITA AVE

WO1-6
48"X24"

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

LANE CLOSED
R11-2L
48"X30"

100'
25'
50'
11'

160 162 164 166 168 170 N 76TH ST 172 174

STH 181

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"

MATCH LINE 159+56.86

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 404	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:38 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 13

WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A
350'
END ROAD WORK
G20-2A
48"X24"
LANE CLOSED
R11-2L
48"X30"
350'
BRADLEY RD
BEGIN LEFT TURN LANE
R3-20L
24"X36"
LANE CLOSED
R11-2L
48"X30"
LOLITA AVE
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"
BEGIN LEFT TURN LANE
R3-20L
24"X36"
WO1-6
48"X24"
WO1-6
48"X24"
25'
174
176
178
180
182
184
N 76TH ST
186
188
25'
11'
11'
25'
LANE CLOSED
R11-2L
48"X30"
WO1-6
48"X24"
LANE CLOSED
R11-2L
48"X30"
BEGIN LEFT TURN LANE
R3-20L
24"X36"
WO1-6
48"X24"
BEGIN LEFT TURN LANE
R3-20L
24"X36"
WO1-6
48"X24"
ROAD WORK AHEAD
W20-1A
200'
TOWER AVE
END ROAD WORK
G20-2A
48"X24"
WO3-1
300'
STOP
R1-1
36"X36"
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"
25'
WO1-6
48"X24"
LANE CLOSED
R11-2L
48"X30"
50'
MATCH LINE 189+06.86
N
END ROAD WORK
G20-2A
48"X24"
WO1-6
48"X24"
LANE CLOSED
R11-2L
48"X30"
BEGIN LEFT TURN LANE
R3-20L
24"X36"
SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"
WO1-6
48"X24"
LANE CLOSED
R11-2L
48"X30"
125'
350'
350'
ROAD WORK AHEAD
W20-1A
END ROAD WORK
G20-2A
48"X24"
MATCH LINE 174+31.86

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 405	E

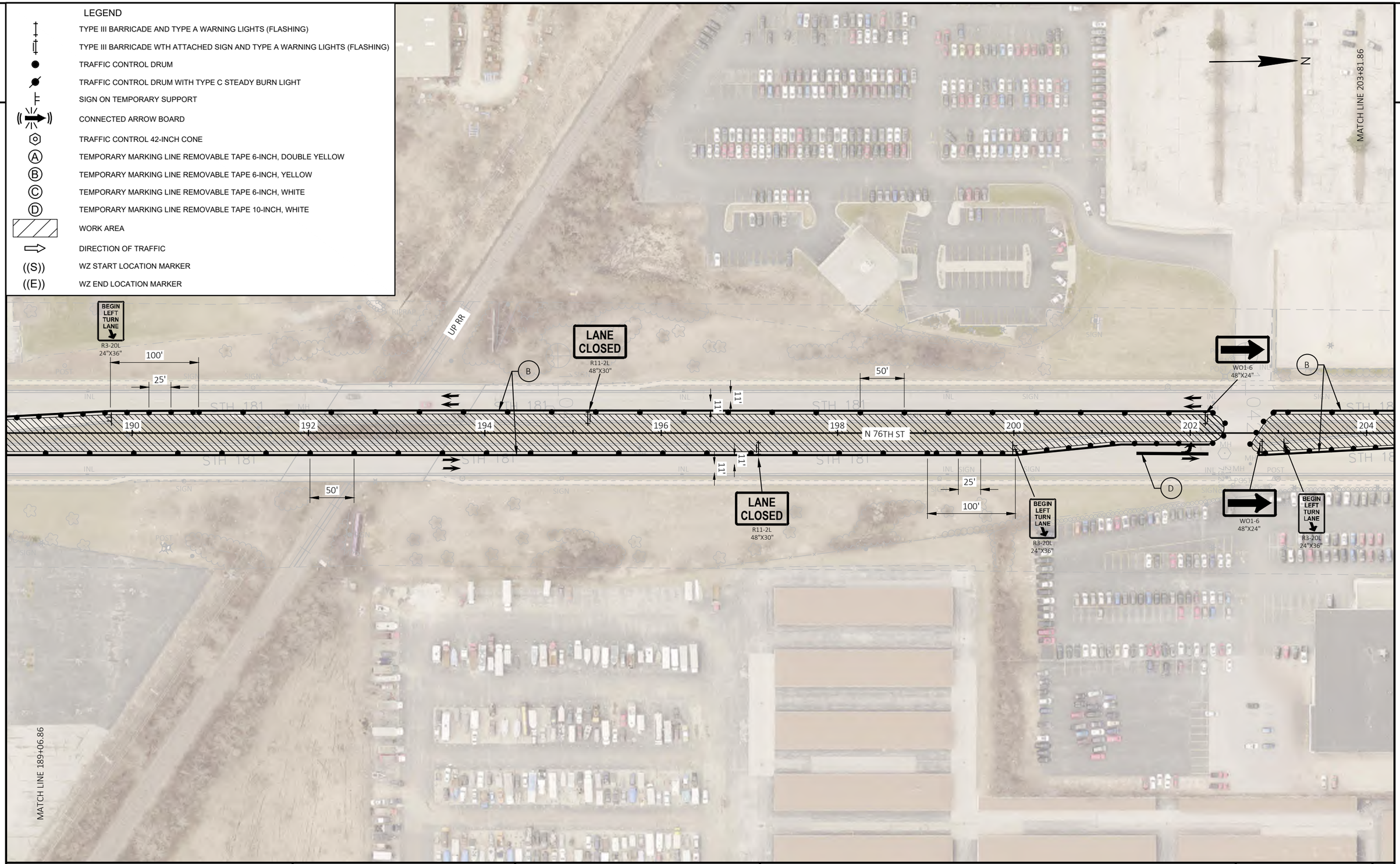
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:38 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 14

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 406	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:38 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 15

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

MATCH LINE 218+56.86

ROAD WORK AHEAD
W20-1A
200'

END ROAD WORK
G20-2A
48"X24"

WO1-6
48"X24"

PC: 206+89.37

LANE CLOSED
R11-2L
48"X30"

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

PT: 212+81.69

PC: 217+15.25

STH 181

N 76TH ST

76TH PL

SERVITE DR

USE EXISTING OVERHEAD SIGN FOR EXIT

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 407	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:39 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 16

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

ROAD WORK AHEAD
W20-1A

BROWN DEER RD SB ENTRANCE RAMP

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

50'

50'

12'

12'

218

220

222

224

226

228

230

232

B

B

N 76TH ST

BROWN DEER RD NB EXIT RAMP

BROWN DEER RD

BROWN DEER RD

STH 181

STH 100

PT: 231+32.62

LINE 218+56.86

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 408	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:39 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 17

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

MATCH LINE 248+06.86

BROWN DEER RD

BROWN DEER RD SB EXIT RAMP

STH 181

STH 100

WO4-1R

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

PC: 239+84.07

PT: 244+89.22

234 236 238 240 242 244 246 248

12'

50'

500'

300'

25'

B

N 76TH ST

BROWN DEER RD NB ENTRANCE RAMP

LANE CLOSED
R11-2L
48"X30"

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

ROAD WORK AHEAD
W20-1A

WO3-2

YIELD
R1-2
48"X42"

MATCH LINE 253+31.86

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 409	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:39 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 18

WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

N

MATCH LINE 262+81.86

ALLYN ST

NORTHRIDGE LAKES BLVD

WO1-6 48"X24"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"

WO1-6 48"X24"

LANE CLOSED R11-2L 48"X30"

WO1-6 48"X24"

LANE CLOSED R11-2L 48"X30"

PI: 260+11.99

248 250 252 N 76TH ST 254 256 258 260 262

50' 12' 12' 25' 50' 100' 25' 100' 25'

B B B D D D

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"

WO1-6 48"X24"

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

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

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 410	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:39 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

LAYOUT NAME - 19

WISDOT/CADDS SHEET 42

2

2

FAIRY CHASM DR

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

200'

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

50'

12'

264

266

268

270

272

274

276

B

D

25'

100'

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

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "F"

SEE TEMPORARY PEDESTRIAN ACCOMMODATIONS SCENARIO "E"

N 76TH ST

PC: 272+29.23

PT: 274+66.79

W GLENBROOK RD

GLENBROOK RD

STH 181

N

MATCH LINE 277+56.86

MATCH LINE 262+81.86

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 411	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:39 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 20

WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

N

W COUNTY LINE RD

350'

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

PC: 281+45.75

PT: 284+48.67

EP: 287+11.58

N 76TH ST

STH 181

276 278 280 282 284 286

12' 12' 12'

25' 50' 25' 50' 100' 500'

B C D

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

((E))

10' 11' 10'

STOCK PILE

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 412	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 2_INSIDE WORK.DWG PLOT DATE : 4/11/2025 11:39 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 21

WISDOT/CADDS SHEET 42

2

N

END ROAD WORK
G20-2A
48"X24"

W COUNTY LINE RD

350'

LANE CLOSED
R11-2L
48"X30"

EP: 287+11.58

W COUNTY LINE RD

10'

11'

10'

25'

D

STH 181

LANE CLOSED
R11-2L
48"X30"

540' TAPER

25'

50'

B

ROAD CLOSED
R11-2
48"X30"

ROAD WORK NEXT 5 MILES
G20-1
60"X24"

W04-2L

500'

LEFT LANE CLOSED AHEAD
W20-5SA

500'

ROAD WORK AHEAD
W20-1A

500'

((S))

STH 181

ORCHARD

RIPRAP

STOCK PILE

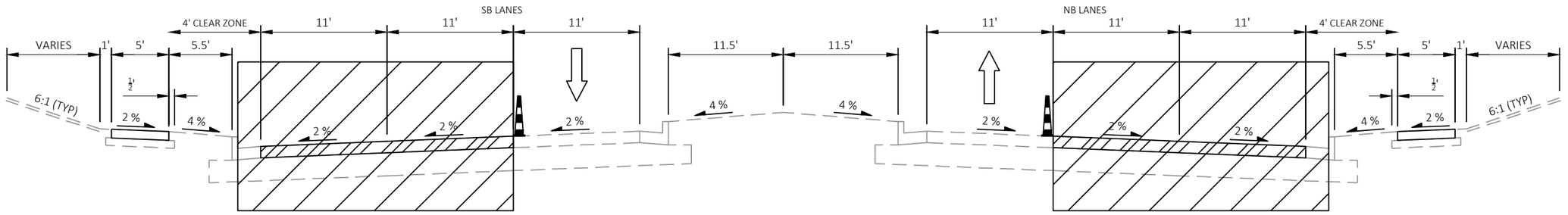
SEPTIC

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

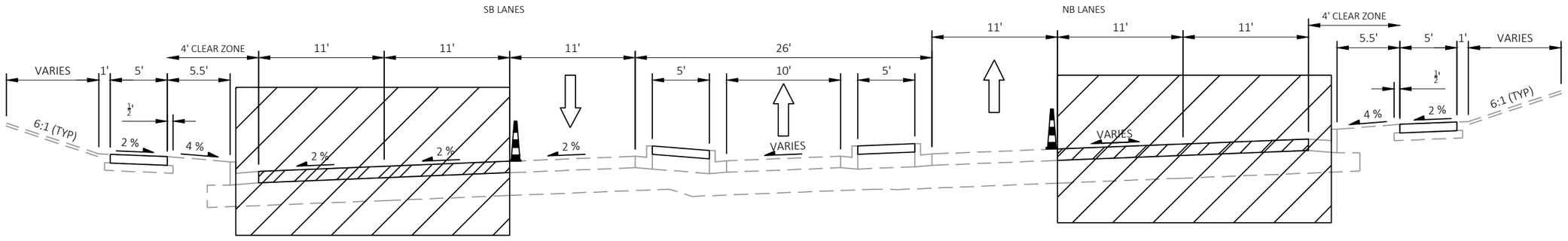
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 2	SHEET 413	E

2



STH 181 STAGING TYPICAL SECTION

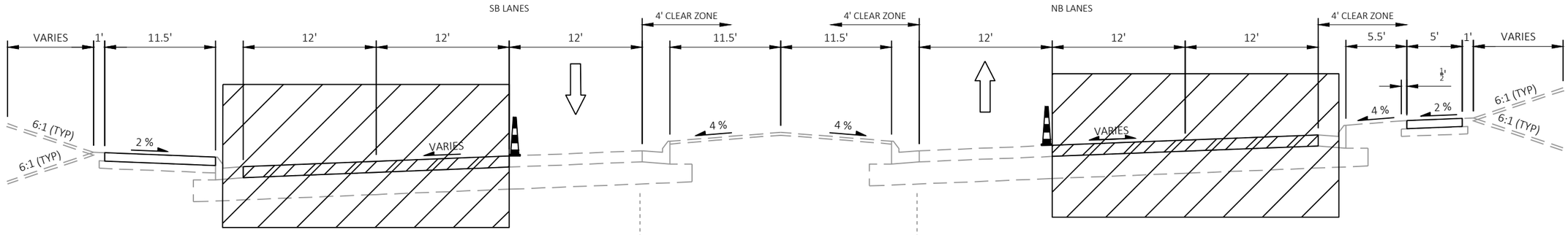
STA 46+00.00 TO STA 124+61+00 (NB)
STA 46+00.00 TO STA 125+03.30 (SB)
STA 127+50.00 TO STA 140+00.00 (NB)
STA 127+81.00 TO STA 140+00.00 (SB)
*STA 140+00.00 TO STA 204+92.00



STH 181 STAGING TYPICAL SECTION , SUPERELEVATED

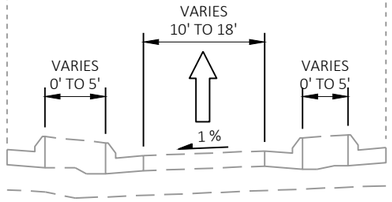
STA 204+92.00 TO STA 206+12.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 3A STAGING TYPICAL SECTION	SHEET 414	E

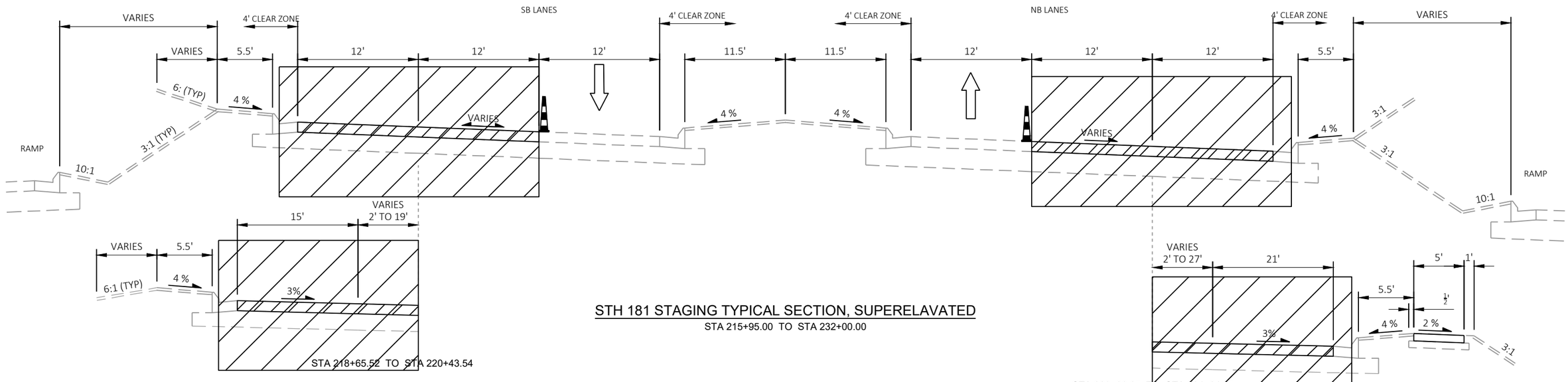


STH 181 STAGING TYPICAL SECTION , SUPERELEVATED

STA 206+12.00 TO STA 214+06.00



STA 206+27.00 TO STA 207+64.00
STA 213+20.00 TO STA 214+06.00



STH 181 STAGING TYPICAL SECTION, SUPERELAVATED

STA 215+95.00 TO STA 232+00.00

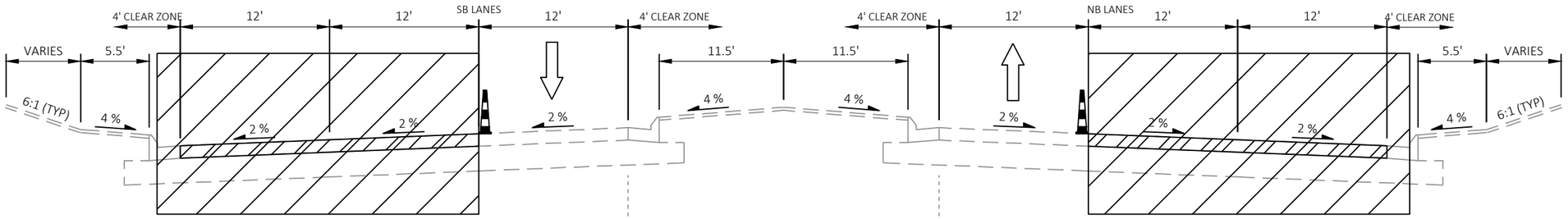
STA 218+65.52 TO STA 220+43.54

STA 220+86.67 TO STA 224+64.25

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 3A STAGING TYPICAL SECTION	SHEET 415	E

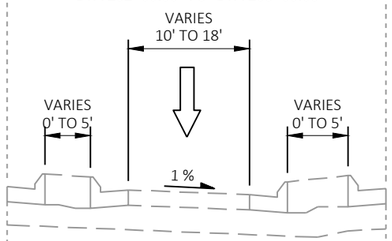
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 3A.DWG PLOT DATE : 4/23/2025 2:05 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 02
WISDOT/CADDS SHEET 42

2

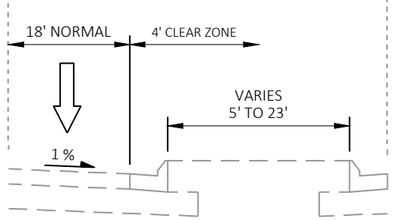


STH 181 STAGING TYPICAL SECTION

STA 214+06 TO STA 215+95.00
STA 232+00.00 TO STA 238+60.00



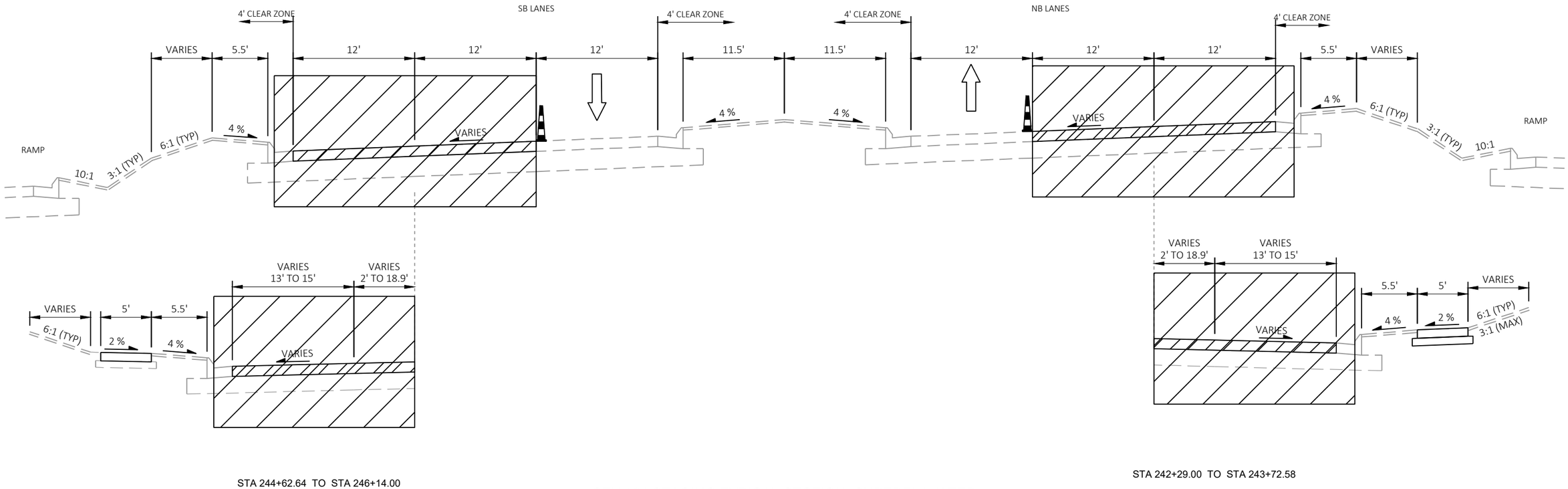
STA 214+06.00 TO STA 214+59.00



STA 214+59.00 TO STA 217+12.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 3A STAGING TYPICAL SECTION	SHEET 416	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 3A.DWG PLOT DATE : 4/23/2025 2:05 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 03
WISDOT/CADDS SHEET 42

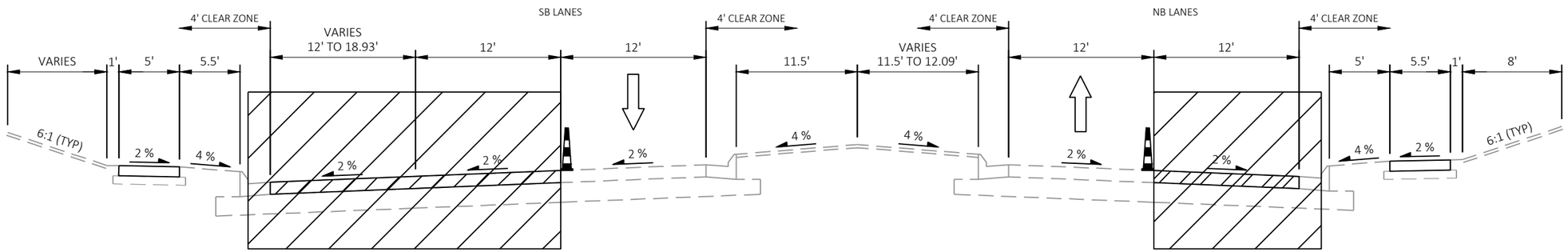


STA 244+62.64 TO STA 246+14.00

STA 242+29.00 TO STA 243+72.58

STH 181 STAGING TYPICAL SECTION, SUPERELAVATED

STA 238+60.00 TO STA 246+14.00



STH 181 STAGING TYPICAL SECTION

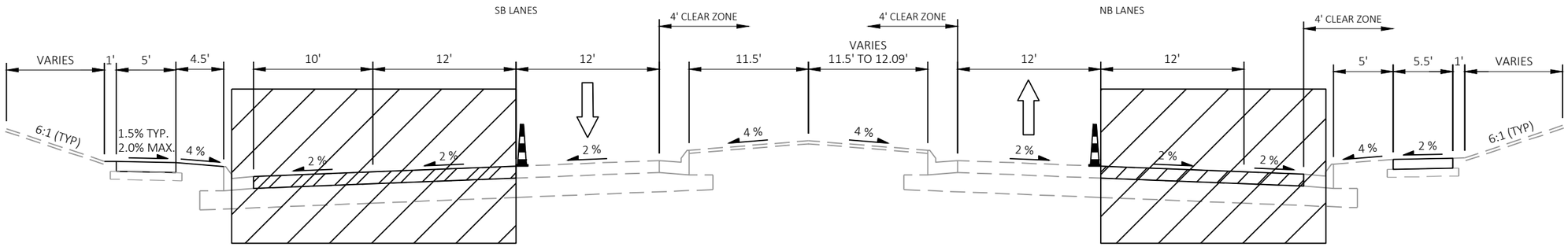
STA 246+14.00 TO STA 257+50.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 3A STAGING TYPICAL SECTION	SHEET 417	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 3A.DWG PLOT DATE : 4/23/2025 2:05 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 04

WISDOT/CADDS SHEET 42

2

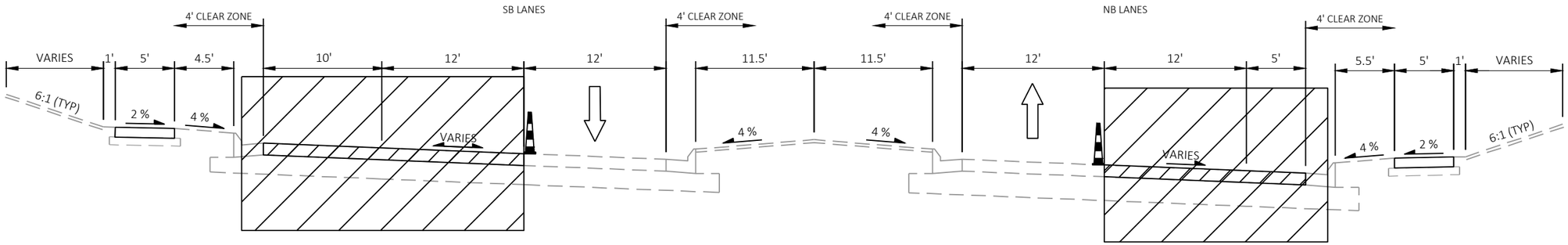


STH 181 STAGING TYPICAL SECTION

STA 257+50 TO STA 271+15
STA 275+82 TO STA 287+11.68

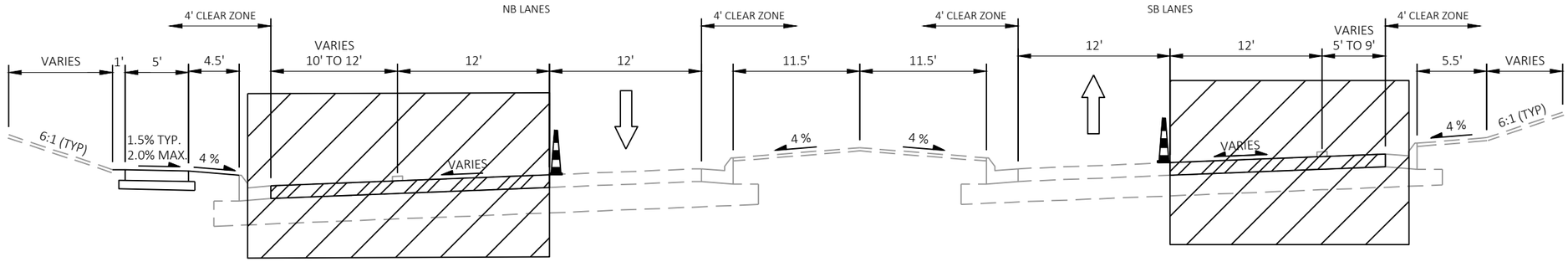
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 3A STAGING TYPICAL SECTION	SHEET 418	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 3A.DWG PLOT DATE : 4/23/2025 2:05 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 05
WISDOT/CADDS SHEET 42



STH 181 STAGING TYPICAL SECTION

STA 271+15.00 TO STA 275+82.00



STH 181 STAGING TYPICAL SECTION, SUPERELEVATED

STA 280+29.00 TO STA 281+00.00

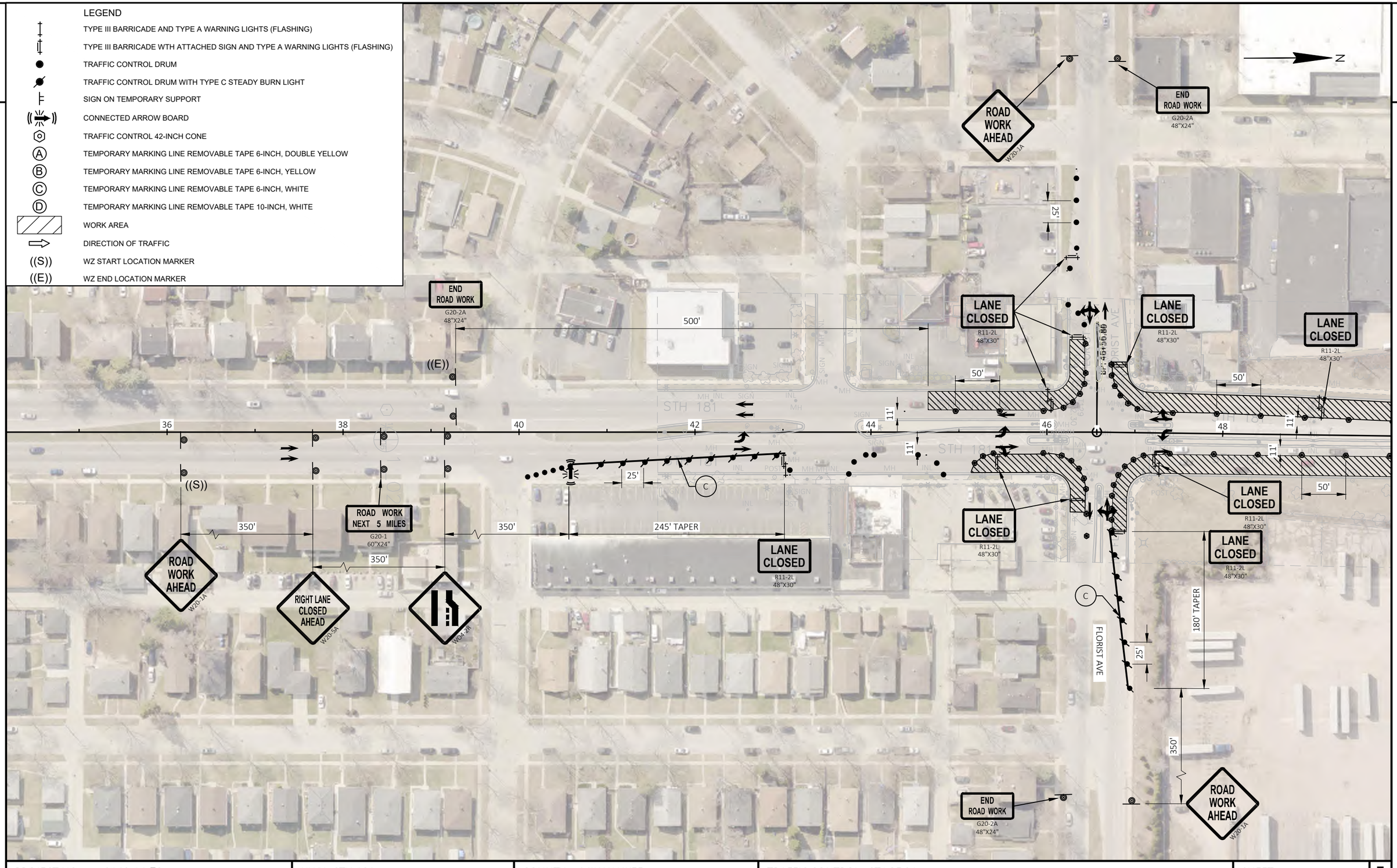
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 3A STAGING TYPICAL SECTION	SHEET 419	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 3A.DWG PLOT DATE : 4/23/2025 2:05 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 06

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 420	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG LAYOUT NAME - 01 PLOT DATE : 4/11/2025 11:52 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD
W20-1A

350'

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

69.89'

11'

11'

11'

11'

44 46 48 50 52 54 56 58

50'

50'

N 76TH ST

DOUGLAS AVE

STH 181

FLORIST AVE

UP RR

C

25'

180' TAPER

WO1-6
48"X24"

350'

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

N

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 421	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG LAYOUT NAME - 02 PLOT DATE : 4/11/2025 11:52 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

WINFIELD AVE

LANE CLOSED
R11-2L
48"X30"

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

50'

11'

56 58 60 62 64 66 N 76TH ST 68 70

STH 181

W WINFIELD AVE

LANE CLOSED
R11-2L
48"X30"

UP RR

LANE CLOSED
R11-2L
48"X30"

50'

50'

END ROAD WORK
G20-2A
48"X24"

25'

200'

ROAD WORK AHEAD
W20-1A

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 422	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG LAYOUT NAME - 03 PLOT DATE : 4/11/2025 11:52 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

ROAD WORK AHEAD W20-1A

RIGHT LANE CLOSED AHEAD W20-5A

350'

((S))

350'

((E))

END ROAD WORK G20-2A 48"X24"

C

ROAD CLOSED R11-2 48"X30"

245' TAPER

25'

LANE CLOSED R11-2L 48"X30"

56' - 73+10.95

LANE CLOSED R11-2L 48"X30"

ROAD WORK AHEAD W20-1A

200'

END ROAD WORK G20-2A 48"X24"

CLOVERNOOK ST

LANE CLOSED R11-2L 48"X30"

ROAD WORK AHEAD W20-1A

ACACIA ST

LANE CLOSED R11-2L 48"X30"

N

50'

11'

11'

50'

50'

72

74

76

78

80

82

84

86

N 76TH ST

W ACACIA ST

027

ROAD CLOSED R11-2 48"X30"

LANE CLOSED R11-2L 48"X30"

ROAD CLOSED R11-2 48"X30"

25'

245' TAPER

C

CTH S MILL RD

END ROAD WORK G20-2A 48"X24"

((E))

((S))

350'

350'

RIGHT LANE CLOSED AHEAD W20-5A

ROAD WORK AHEAD W20-1A

LANE CLOSED R11-2L 48"X30"

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 423	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG PLOT DATE : 4/11/2025 11:52 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 04

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

ROAD WORK AHEAD W20-1A

ACACIA ST

END ROAD WORK G20-2A 48"X24"

LANE CLOSED R11-2L 48"X30"

GREEN TREE RD

55'

PI: 99+70.27

86 88 90 92 94 N 76TH ST 96 98 100

11' 11'

50' 50'

200'

25'

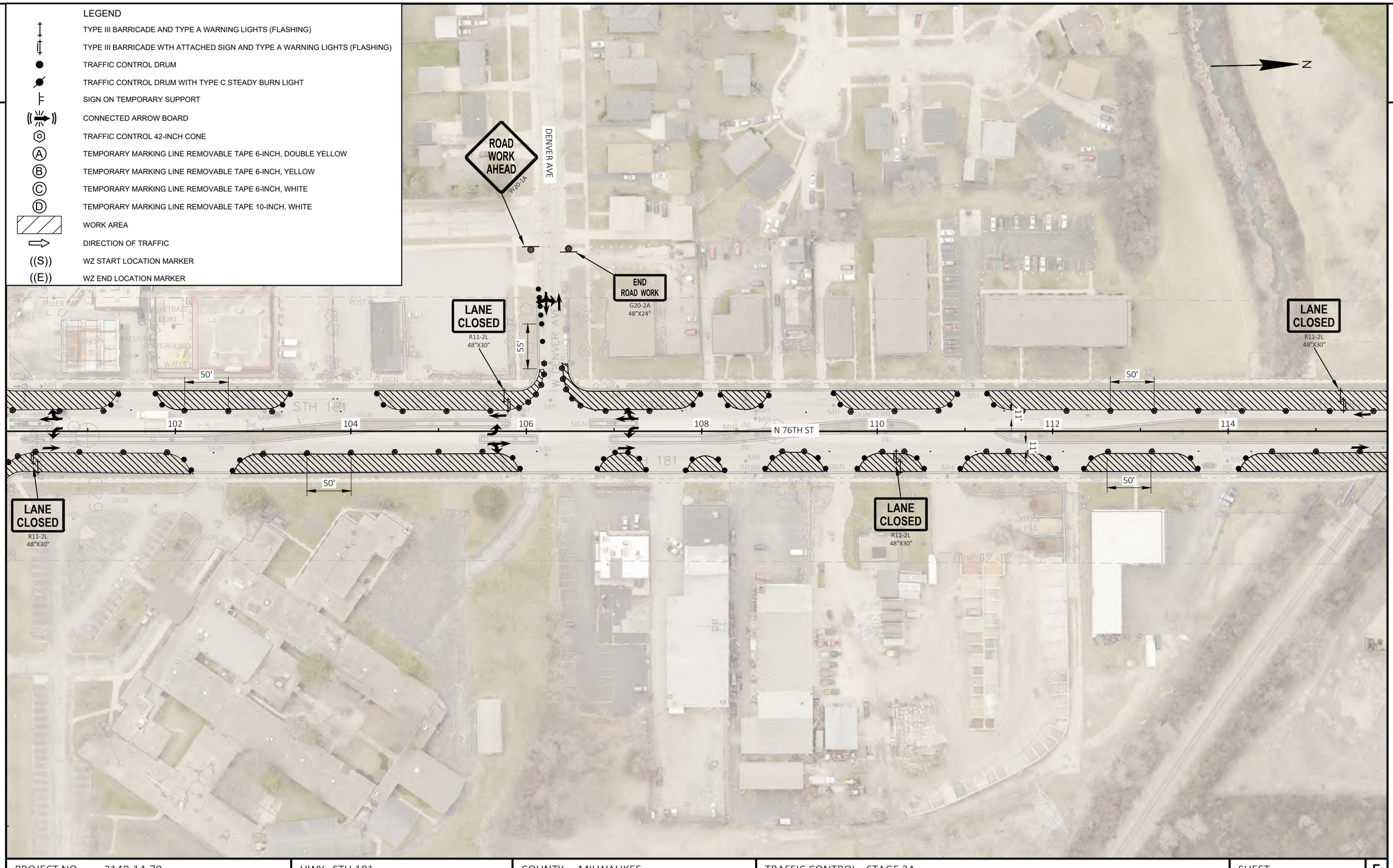
200'

C

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



2

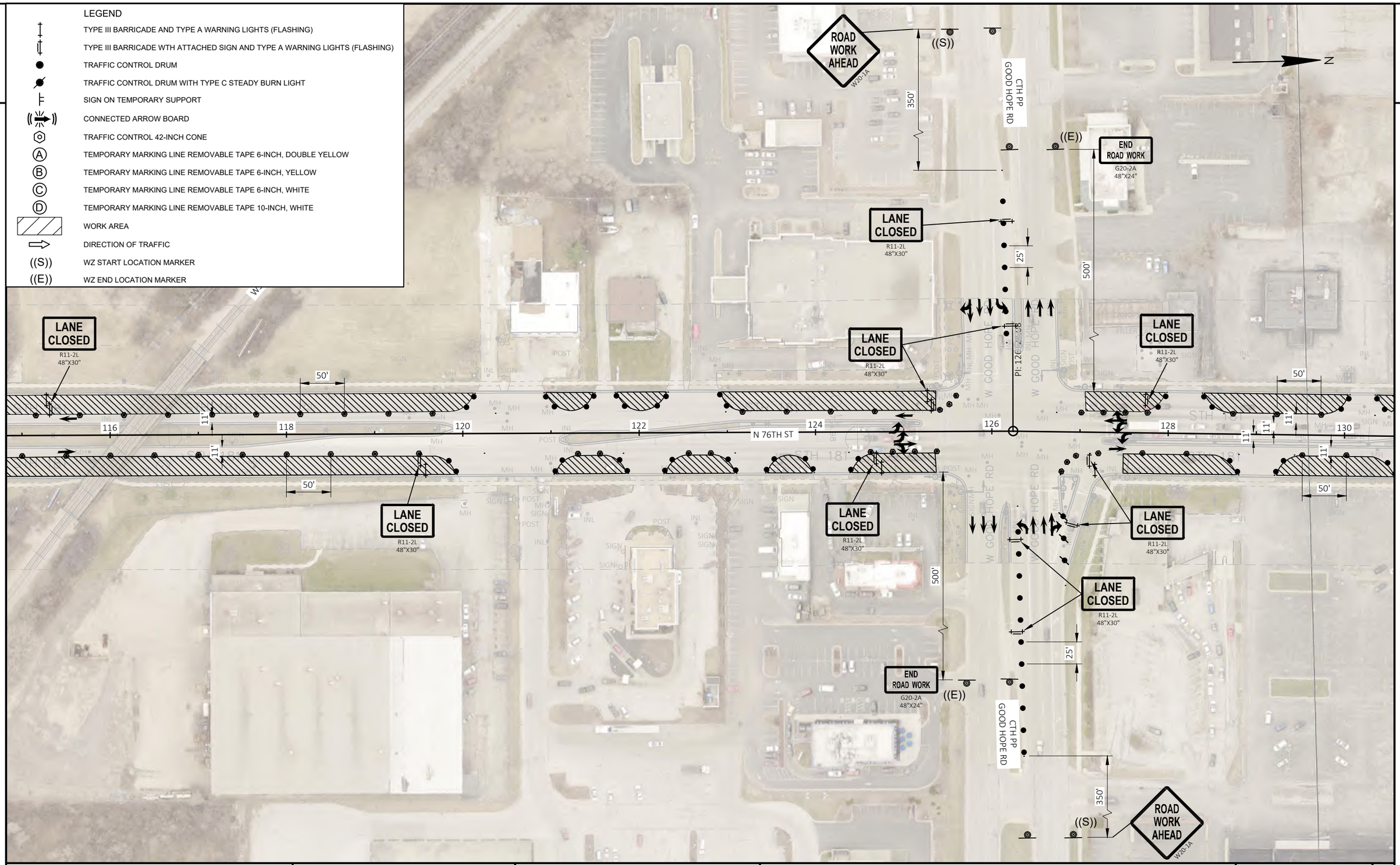
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 425	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG PLOT DATE : 4/11/2025 11:52 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 06

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 426	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG PLOT DATE : 4/11/2025 11:52 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 07

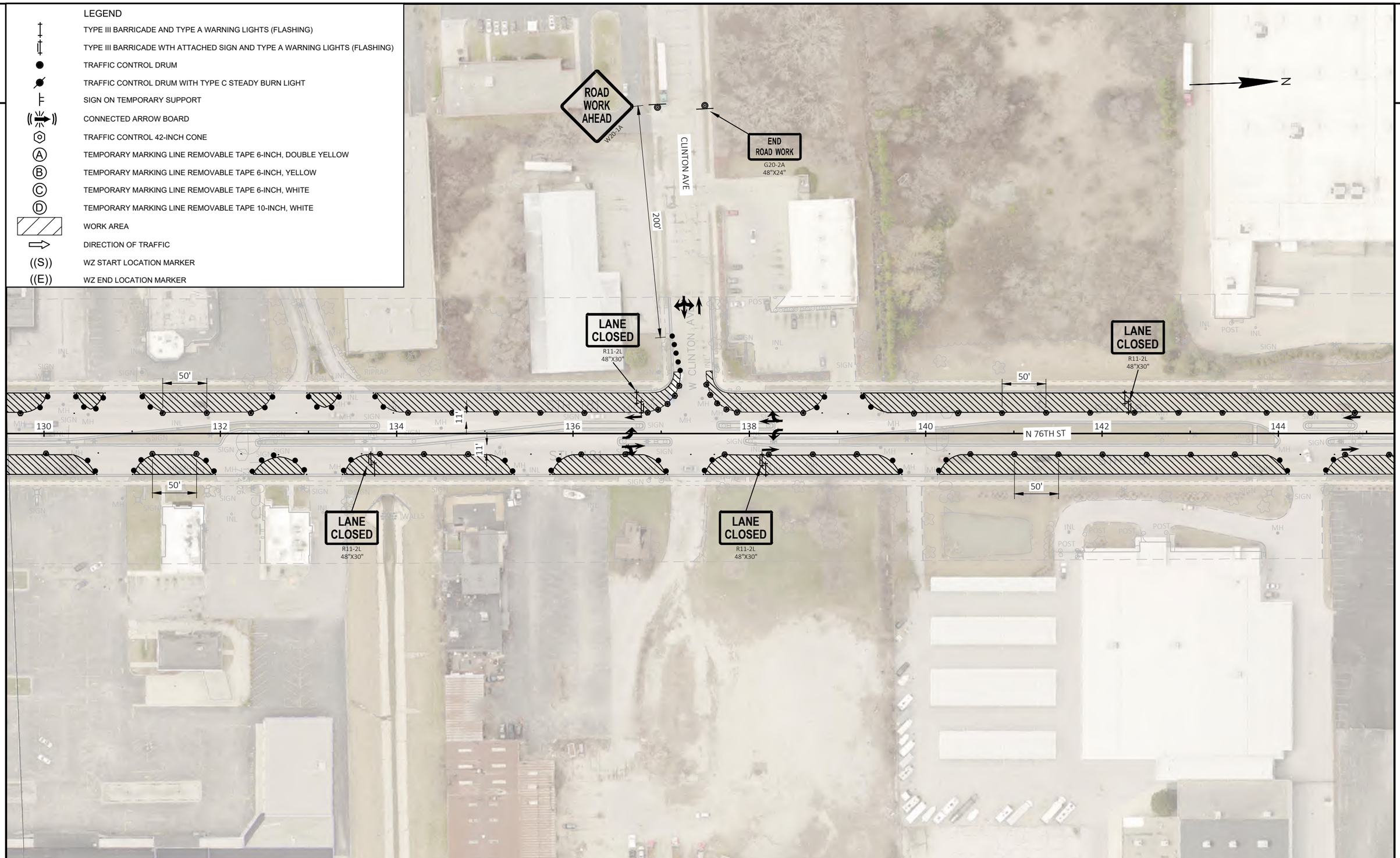
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 427	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG PLOT DATE : 4/11/2025 11:53 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 08

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

ROAD WORK AHEAD
W20-1A

350'

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

50'

146 148 150 152 154 156 158 160

11' 11' 11' 11'

N 76TH ST

CALUMET RD

50'

50'

LANE CLOSED
R11-2L
48"X30"

25'

LANE CLOSED
R11-2L
48"X30"

350'

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 428	E

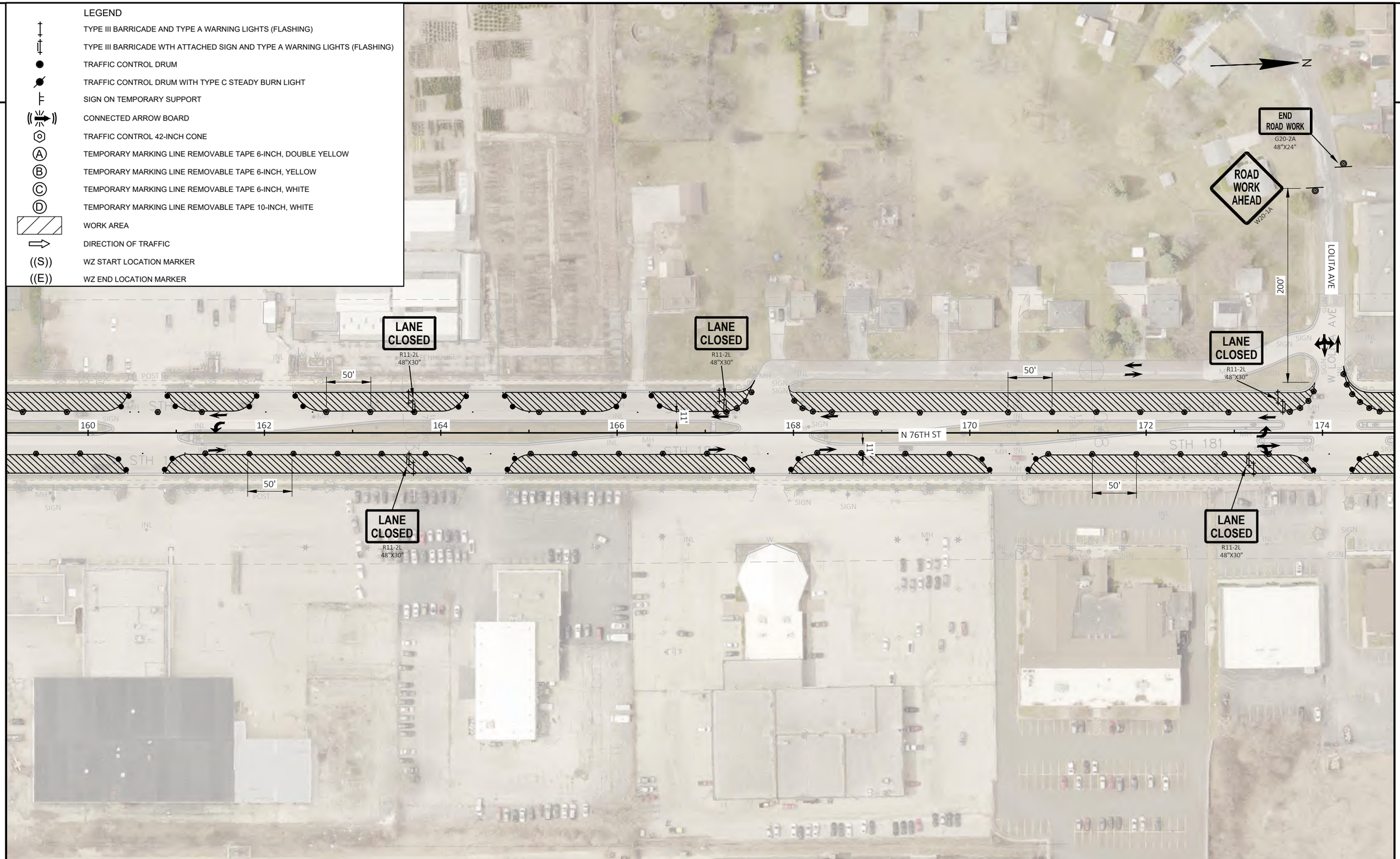
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG PLOT DATE : 4/11/2025 11:53 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 09

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 429	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG PLOT DATE : 4/11/2025 11:53 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 10

WISDOT/CADDS SHEET 42

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

50'

BRADLEY RD

LOLITA AVE

ROAD CLOSED
R11-2
48"X30"

P.I. 170+40.84

ROAD CLOSED
R11-2
48"X30"

RIGHT LANE CLOSED AHEAD
W20-5A

ROAD WORK AHEAD
W20-1A

((S))

200'

200'

W04-2A

200'

((E))

N

END ROAD WORK
G20-2A
48"X24"

TOWER AVE

W03-1

125'

25'

300'

STOP
R1-1
36"X36"

LANE CLOSED
R11-2L
48"X30"

55'

50'

174

176

178

180

182

184

N 76TH ST

186

188

11'

11'

50'

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

ROAD CLOSED
R11-2
48"X30"

25'

350'

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

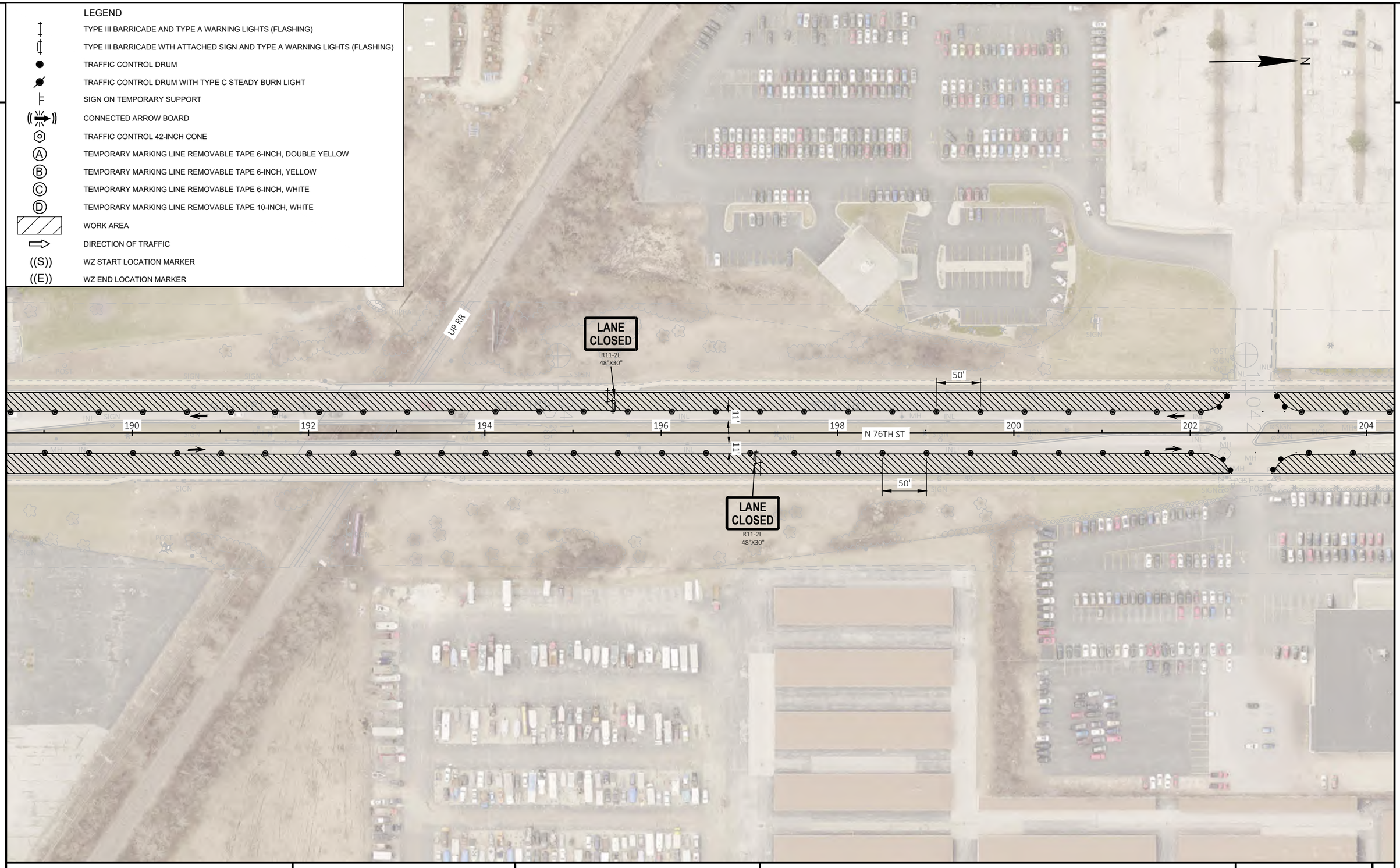
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 430	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG PLOT DATE : 4/11/2025 11:53 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 11
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 431	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG LAYOUT NAME - 12 PLOT DATE : 4/11/2025 11:53 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD
W20-1A
200'
END ROAD WORK
G20-2A
48"X24"
LANE CLOSED
R11-2L
48"X30"
55'
PC: 206+03.65
204
206
208
50'
210
11'
11'
212
PI: 212+81.69
214
N 76TH ST
216
218
PC: 217+15.25
1000'
RAMP CLOSED 1000 FT
W20-53C
76TH PL
200'
END ROAD WORK
G20-2A
48"X24"
ROAD WORK AHEAD
W20-1A
LANE CLOSED
R11-2L
48"X30"
55'
25'
125' TAPER
200'
SERVITE DR
END ROAD WORK
G20-2A
48"X24"
ROAD WORK AHEAD
W20-1A
W DEAN RD
N

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 432	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG PLOT DATE : 4/11/2025 11:53 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 13

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

BROWN DEER RD SB ENTRANCE RAMP

BROWN DEER RD NB EXIT RAMP

N 76TH ST

BROWN DEER RD

BROWN DEER RD

LANE CLOSED
R11-2L
48"X30"

RAMP CLOSED
R11-2R
48"X30"

RAMP CLOSED
R11-2R
48"X30"

RAMP CLOSED
R11-2R
48"X30"

LANE CLOSED
R11-2L
48"X30"

RAMP CLOSED
R11-2R
48"X30"

RAMP CLOSED
R11-2R
48"X30"

PT: 231+32.62

18 220 222 224 226 228 230 232

11' 11'

50' 50'

25' 25' 25' 25'

C

1000'

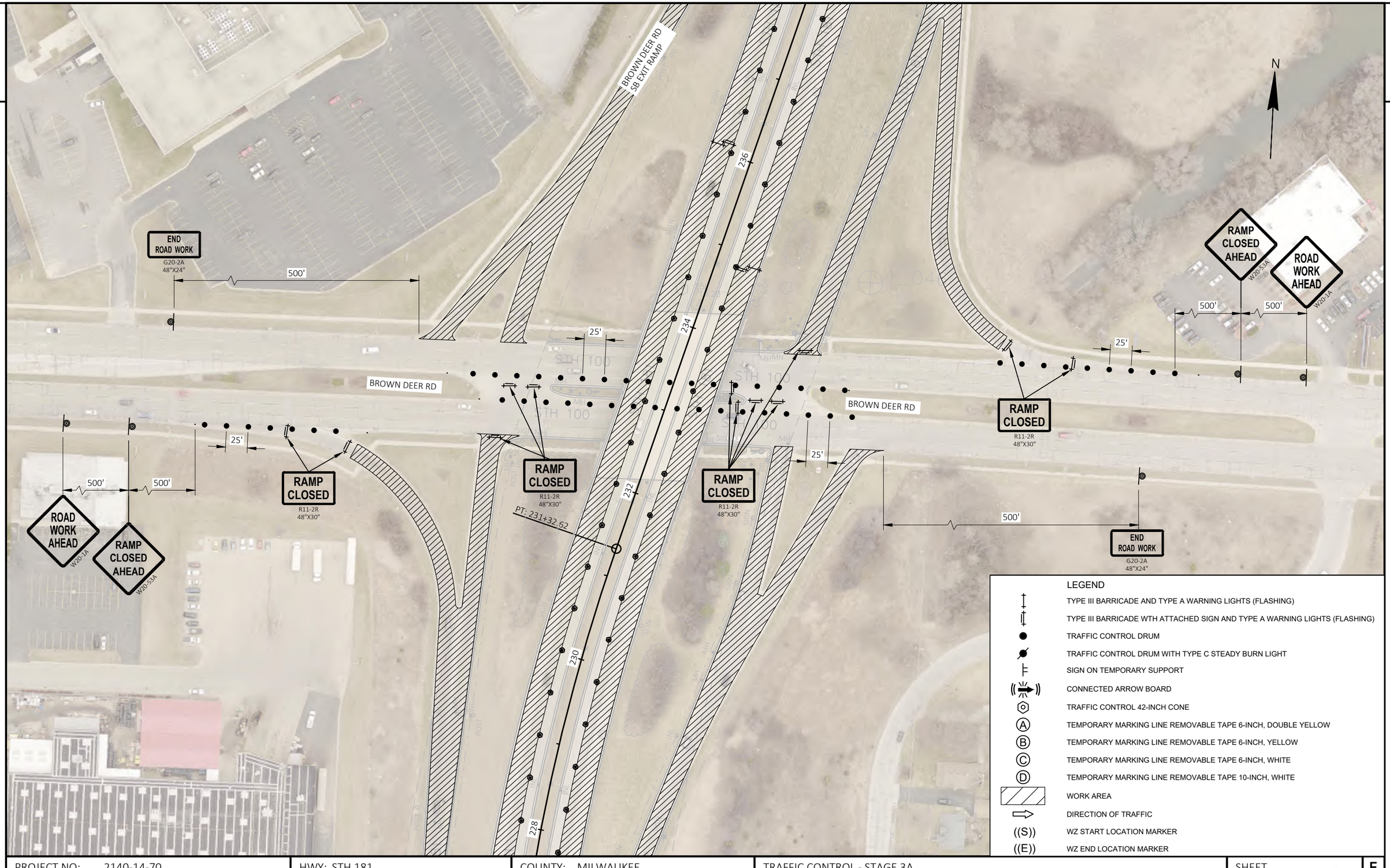
1044 1045

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 433	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG LAYOUT NAME - 14 PLOT DATE : 4/11/2025 11:53 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 434	E

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

1000'

BROWN DEER RD
SB EXIT RAMP

LANE CLOSED
R11-2L
48"X30"

RAMP CLOSED
R11-2R
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

PC: 339+34.07

244+89.22

50'

50'

25'

11'

11'

234

236

238

240

242

244

246

248

N 76TH ST

STH 181

BROWN DEER RD NB
ENTRANCE RAMP

BROWN DEER RD

STH 100

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 435	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG LAYOUT NAME - 15 PLOT DATE : 4/11/2025 11:53 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

1000'

RAMP CLOSED 1000 FT
W20-5RC

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

25'

NORTHRIDGE LAKES BLVD

ALLYN ST

LANE CLOSED
R11-2L
48"X30"

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

C

25'

50'

11'

248 250 252 254 N 76TH ST 256 258 260 262

STH 181

PI: 260+11.99

50'

50'

11'

50'

55'

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

N

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 436	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG PLOT DATE : 4/11/2025 11:53 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 16
WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A

200'

55'

FAIRY CHASM DR

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

50'

11'

11'

50'

264

266

268

270

N 76TH ST

272

PC: 272+29.23

274

PT: 274+66.79

276

278

STH 181

ROAD WORK AHEAD
W20-1A

200'

GLENBROOK RD

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

N

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 437	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG PLOT DATE : 4/11/2025 11:53 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 17

WISDOT/CADDS SHEET 42

2

2

N

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

W COUNTY LINE RD

350'

LANE CLOSED
R11-2L
48"X30"

PC: 281+45.75

PT: 284+48.67

LANE CLOSED
R11-2L
48"X30"

EP: 287+11.58

LANE CLOSED
R11-2L
48"X30"

100'

25'

25'

50'

11'

11'

50'

276

278

280

282

284

286

N 76TH ST

STH 181

STH 181

W COUNTY LINE RD

((E))

500'

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

350'

STOCK PILE

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

LEGEND

	TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	SIGN ON TEMPORARY SUPPORT
	CONNECTED ARROW BOARD
	TRAFFIC CONTROL 42-INCH CONE
A	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
B	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
C	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
D	TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
	WORK AREA
	DIRECTION OF TRAFFIC
((S))	WZ START LOCATION MARKER
((E))	WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 438	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG LAYOUT NAME - 18 PLOT DATE : 4/11/2025 11:53 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

100'

100'

25'

25'

10'

11'

10'

540' TAPER

50'

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

ROAD WORK NEXT 5 MILES
G20-1
60"X24"

W04-4R

500'

RIGHT LANE CLOSED AHEAD
W20-5A

500'

ROAD WORK AHEAD
W20-1A

500'

((S))

STH 181

ORCHARD

STOCK PILE

SEPTIC

RIPRAP

POST

SIGN

MH

INL

W

SEPC

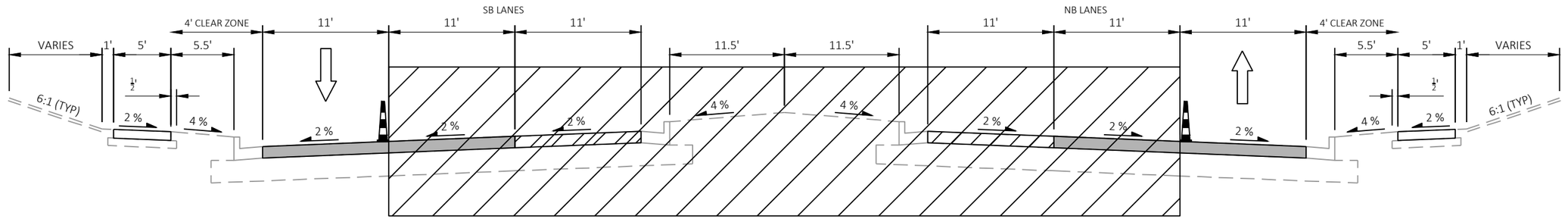
A/C

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

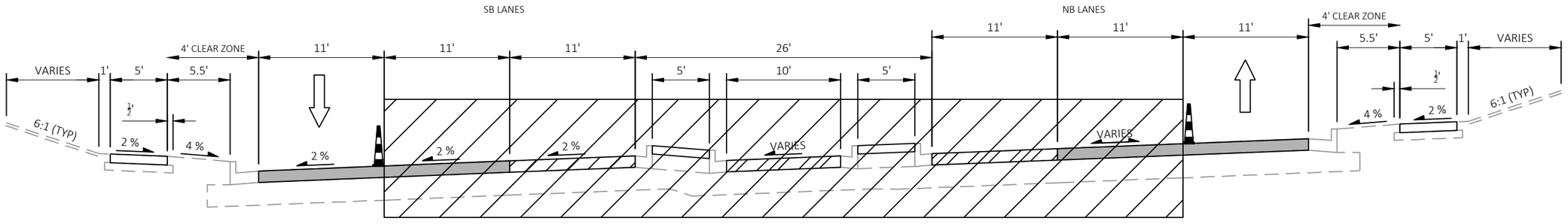
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3A	SHEET 439	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3A_OUTSIDE MILLING.DWG LAYOUT NAME - 19 PLOT DATE : 4/11/2025 11:54 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT



STH 181 STAGING TYPICAL SECTION

STA 46+00.00 TO STA 124+61+00 (NB)
STA 46+00.00 TO STA 125+03.30 (SB)
STA 127+50.00 TO STA 140+00.00 (NB)
STA 127+81.00 TO STA 140+00.00 (SB)
*STA 140+00.00 TO STA 204+92.00

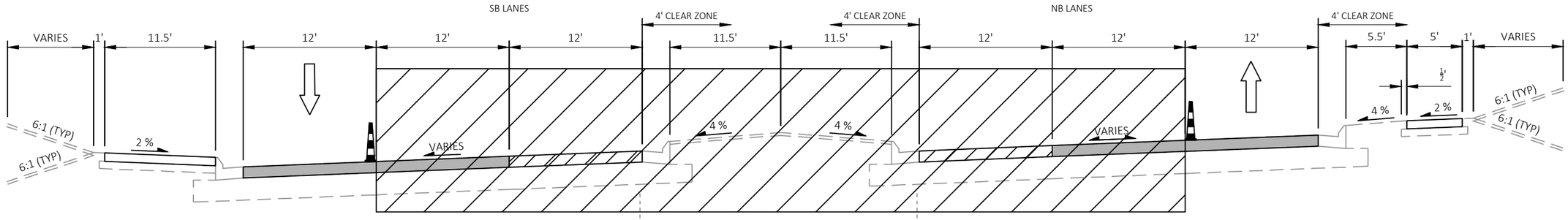


STH 181 STAGING TYPICAL SECTION , SUPERELEVATED

STA 204+92.00 TO STA 206+12.00

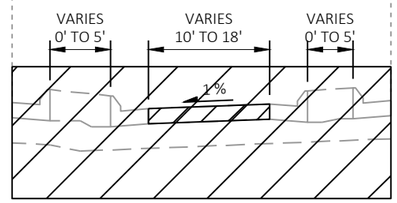
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 3B STAGING TYPICAL SECTION	SHEET 440	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 3B.DWG PLOT DATE : 4/23/2025 2:06 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 01
WISDOT/CADDS SHEET 42

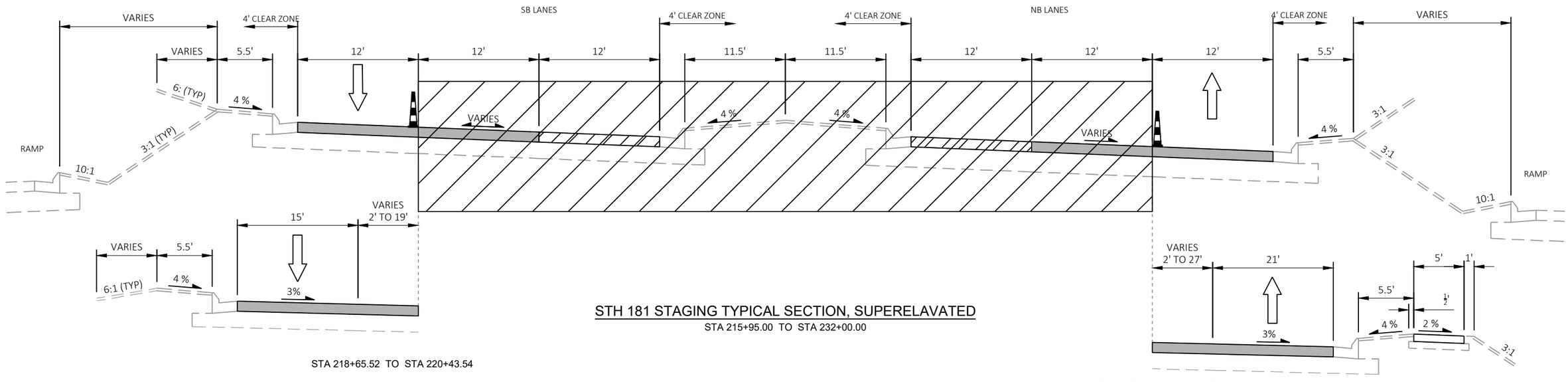


STH 181 STAGING TYPICAL SECTION , SUPERELEVATED

STA 206+12.00 TO STA 214+06.00



STA 206+27.00 TO STA 207+64.00
STA 213+20.00 TO STA 214+06.00



STH 181 STAGING TYPICAL SECTION, SUPERELAVATED

STA 215+95.00 TO STA 232+00.00

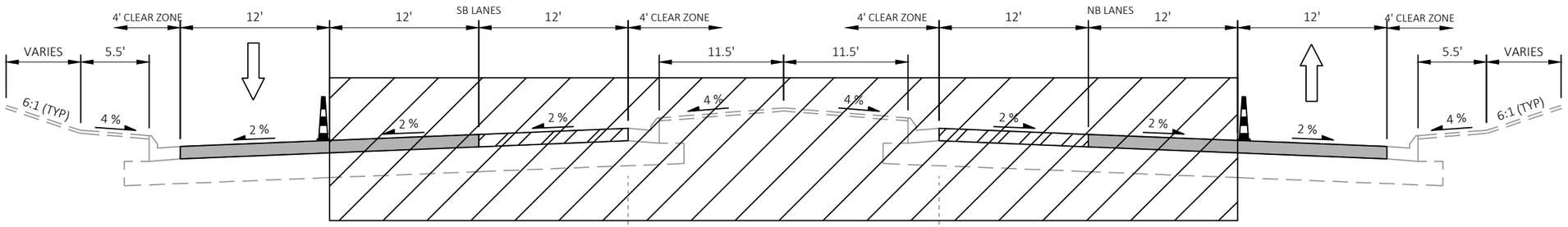
STA 218+65.52 TO STA 220+43.54

STA 220+86.67 TO STA 224+64.25

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 3B STAGING TYPICAL SECTION	SHEET 441	E

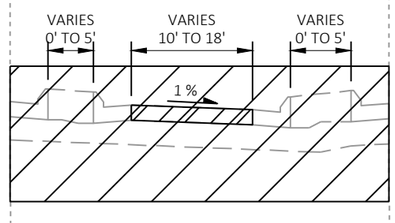
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 3B.DWG PLOT DATE : 4/23/2025 2:06 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 02
WISDOT/CADDS SHEET 42

2

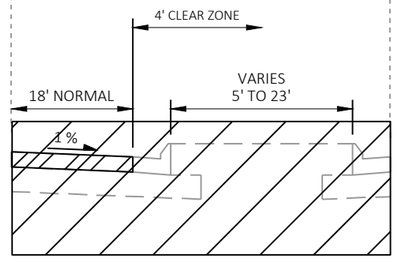


STH 181 STAGING TYPICAL SECTION

STA 214+06 TO STA 215+95.00
STA 232+00.00 TO STA 238+60.00



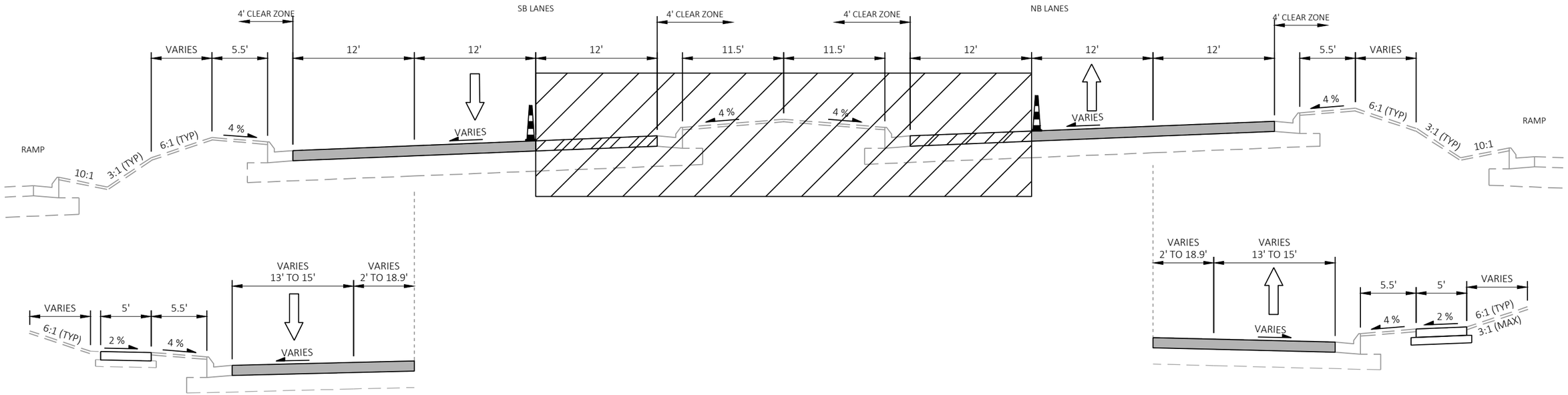
STA 214+06.00 TO STA 214+59.00



STA 214+59.00 TO STA 217+12.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 3B STAGING TYPICAL SECTION	SHEET 442	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 3B.DWG PLOT DATE : 4/23/2025 2:06 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 03
WISDOT/CADDS SHEET 42

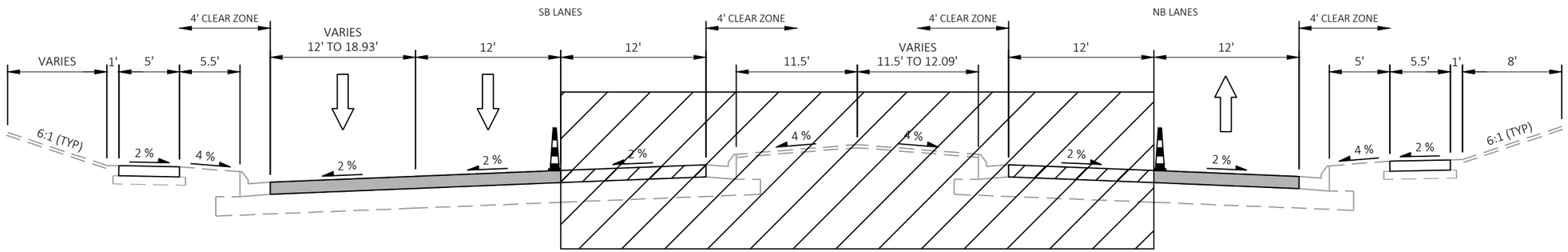


STA 244+62.64 TO STA 246+14.00

STA 242+29.00 TO STA 243+72.58

STH 181 STAGING TYPICAL SECTION, SUPERELAVATED

STA 238+60.00 TO STA 246+14.00

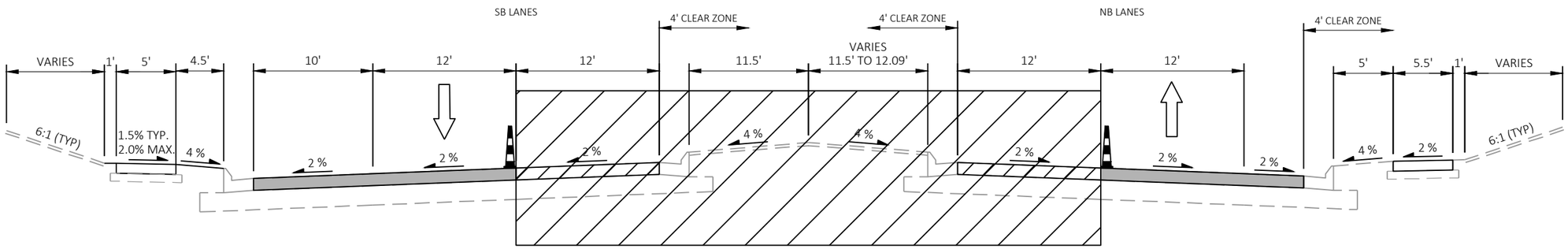


STH 181 STAGING TYPICAL SECTION

STA 246+14.00 TO STA 257+50.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 3B STAGING TYPICAL SECTION	SHEET 443	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 3B.DWG PLOT DATE : 4/23/2025 2:06 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 04

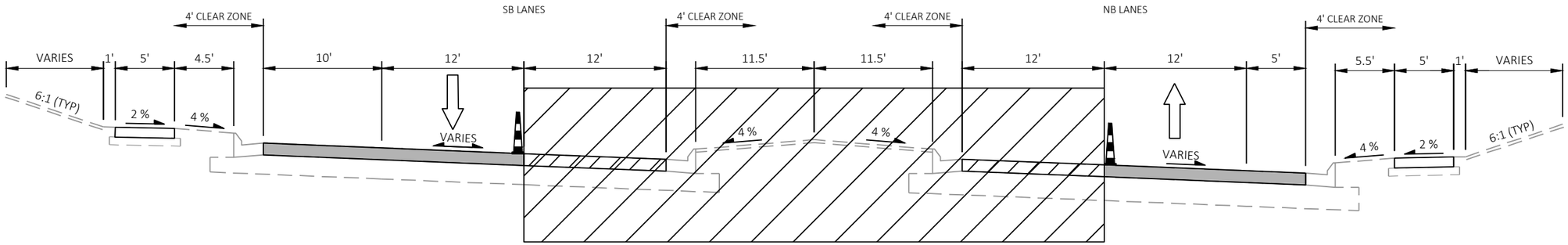


STH 181 STAGING TYPICAL SECTION

STA 257+50 TO STA 271+15
STA 275+82 TO STA 287+11.68

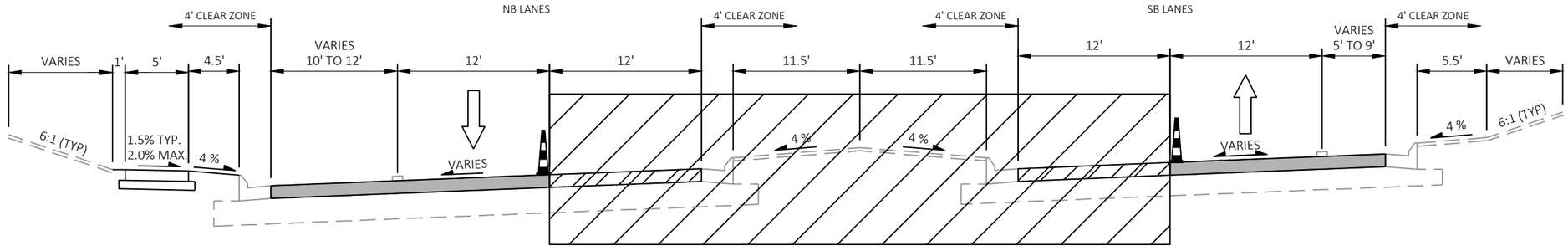
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 3B STAGING TYPICAL SECTION	SHEET 444	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 3B.DWG PLOT DATE : 4/23/2025 2:06 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 05
WISDOT/CADDS SHEET 42



STH 181 STAGING TYPICAL SECTION

STA 271+15.00 TO STA 275+82.00



STH 181 STAGING TYPICAL SECTION, SUPERELEVATED

STA 280+29.00 TO STA 281+00.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 3B STAGING TYPICAL SECTION	SHEET 445	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 3B.DWG PLOT DATE : 4/23/2025 2:06 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 06

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

ROAD WORK NEXT 5 MILES
G20-1
60"X24"

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

END ROAD WORK
G20-2A
48"X24"

((E))

500'

250'

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

350'

WO1-4R

350'

B

LANE CLOSED
R11-2L
48"X30"

350'

WO1-4L

110'

25'

WO1-6
48"X24"

25'

STH 181

34 36 38 40 42 44 46 48

11'

11'

11'

11'

((S))

350' 350' 350' 245'

25'

B

LEFT LANE CLOSED AHEAD
W20-5SA

ROAD WORK AHEAD
W20-1A

WO4-2L

WO1-4R

25'

B

WO1-6
48"X24"

165' SHIFT

LANE CLOSED
R11-2L
48"X30"

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

WO1-6
48"X24"

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

C

25'

LANE CLOSED
R11-2L
48"X30"

FLORIST AVE

LANE CLOSED
R11-2L
48"X30"

50'

WO1-6
48"X24"

25'

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

65' SHIFT

65' SHIFT

B

C

350'

350'

END ROAD WORK
G20-2A
48"X24"

WO1-4R

350'

ROAD WORK AHEAD
W20-1A

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 446 E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:10 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 01

WISDOT/CADDS SHEET 42

2

2

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

350'

WO1-4R

WO1-4L

110'

25'

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

350'

B

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

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

100'

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

25'

11'

44

46

48

50

52

54

56

58

N 76TH ST

DOUGLAS AVE

50'

25'

11'

C

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

LANE CLOSED
R11-2L
48"X30"

FLORIST AVE

WO1-6
48"X24"

25'

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

65' SHIFT

65' SHIFT

B

C

WO1-6
48"X24"

350'

350'

350'

WO1-4R

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

UP RR

N

LEGEND

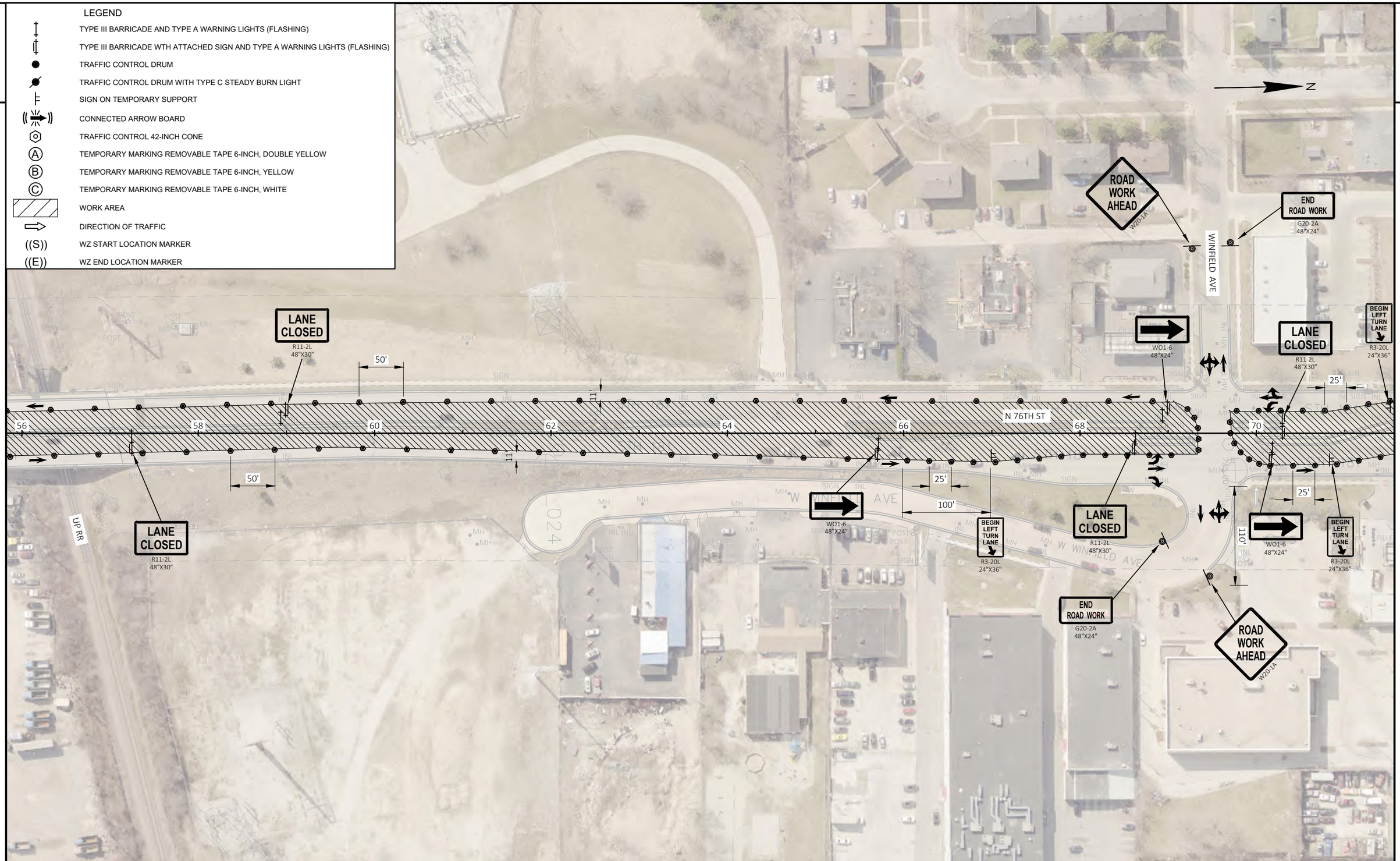
- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 447	E

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 448	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:10 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 03

WISDOT/CADDS SHEET 42

2

2

ROAD CLOSED
R11-2
48"X30"

B

LANE CLOSED
R11-2L
48"X30"

25'

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

WO1-6
48"X24"

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

35'

CLOVERNOOK ST

ACACIA ST

N 76TH ST

CTH S
MILL RD

72 74 76 78 80 82 84 86

11'

100'

50'

LEGEND

	TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	SIGN ON TEMPORARY SUPPORT
	CONNECTED ARROW BOARD
	TRAFFIC CONTROL 42-INCH CONE
A	TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
B	TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
C	TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
	WORK AREA
	DIRECTION OF TRAFFIC
((S))	WZ START LOCATION MARKER
((E))	WZ END LOCATION MARKER

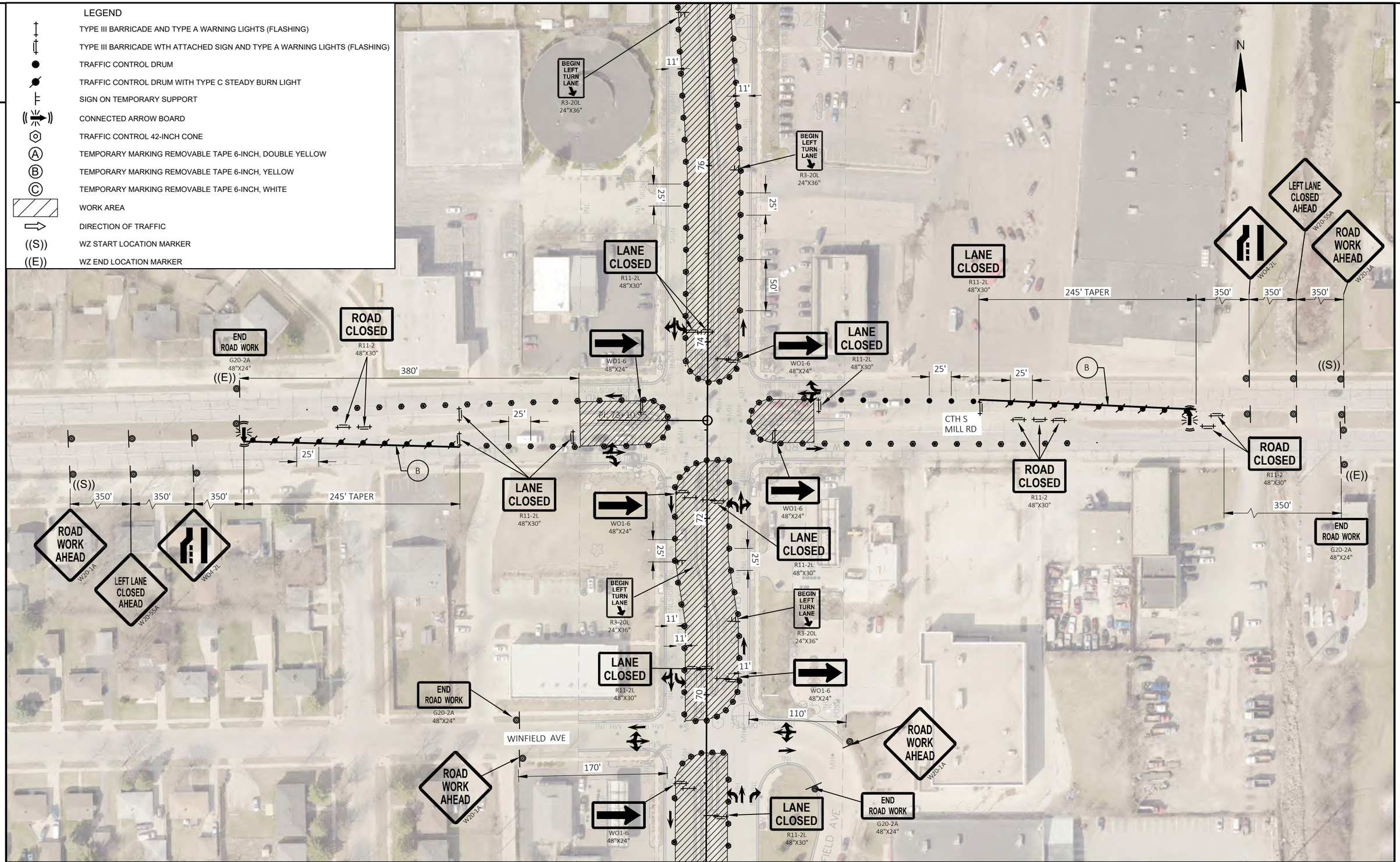
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 449	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:10 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 04

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 450	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:10 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 04_Mill

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

ACACIA ST

WO1-6 48"X24"

LANE CLOSED R11-2L 48"X30"

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

100'

25'

11'

50'

86 88 90 92 94 N 76TH ST 96 98 100

370'

335'

GREEN TREE RD

PI: 99+70.27

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 451	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:10 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

LAYOUT NAME - 05

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

ROAD WORK AHEAD
W20-1A

DENVER AVE

END ROAD WORK
G20-2A
48"X24"

WO1-6
48"X24"

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

LANE CLOSED
R11-2L
48"X30"

100'
25'
50'

102 104 106 108 110 112 114

N 76TH ST

11'

2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 452	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:10 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 06

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD
W20-1A

((S))

350'

((E))

END ROAD WORK
G20-2A
48"X24"

N

500'

25'

CTH PP
GOOD HOPE RD

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

Pl: 126+38.98

W GOOD HOPE RD

LANE CLOSED
R11-2L
48"X30"

25'

50'

11'

116 118 120 N 76TH ST 122 124 126 128 130

50'

100'

25'

LANE CLOSED
R11-2L
48"X30"

ROAD CLOSED
R11-2
48"X30"

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

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

25'

500'

350'

END ROAD WORK
G20-2A
48"X24"

((E))

((S))

ROAD WORK AHEAD
W20-1A

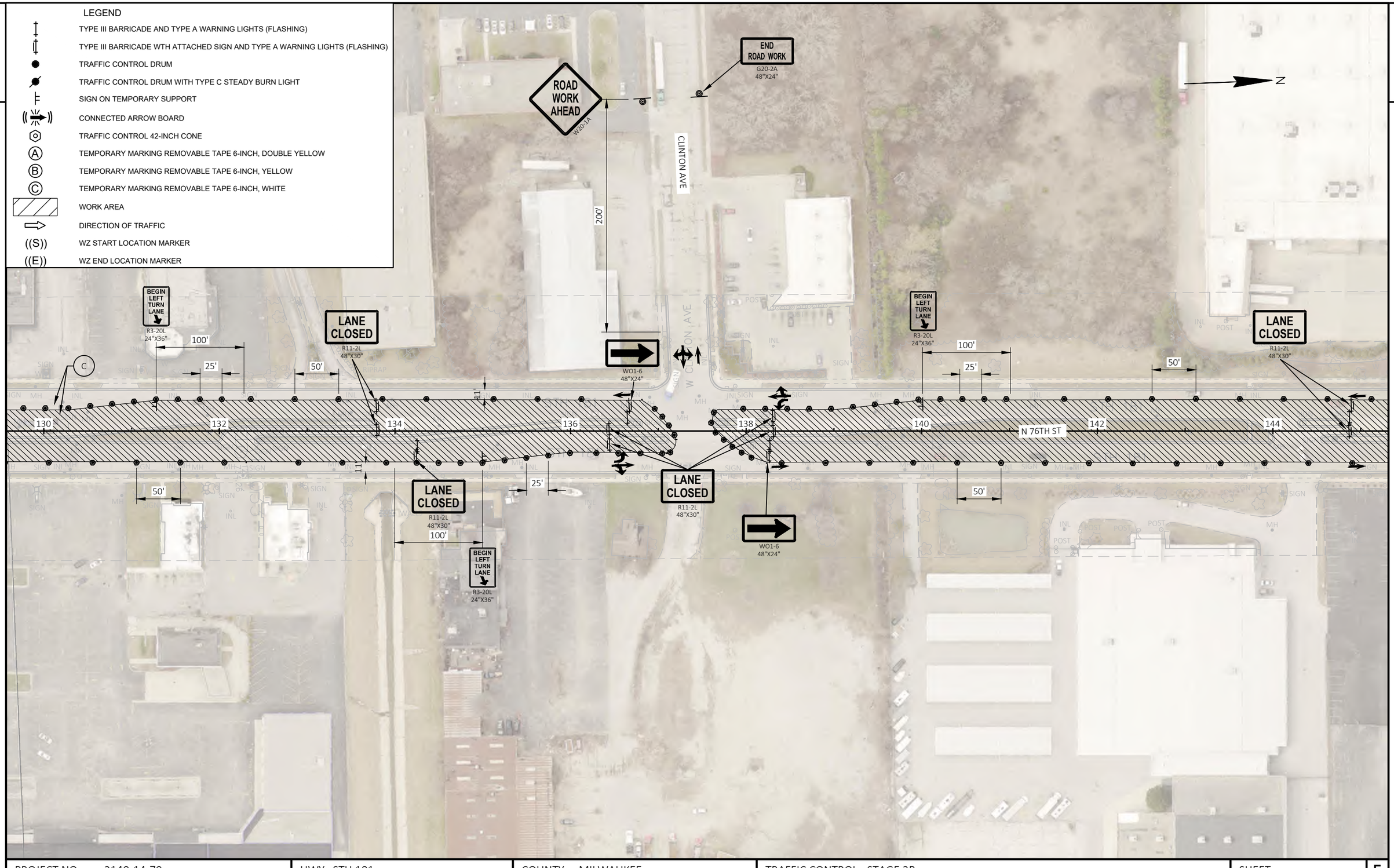
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 453	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:11 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 07

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



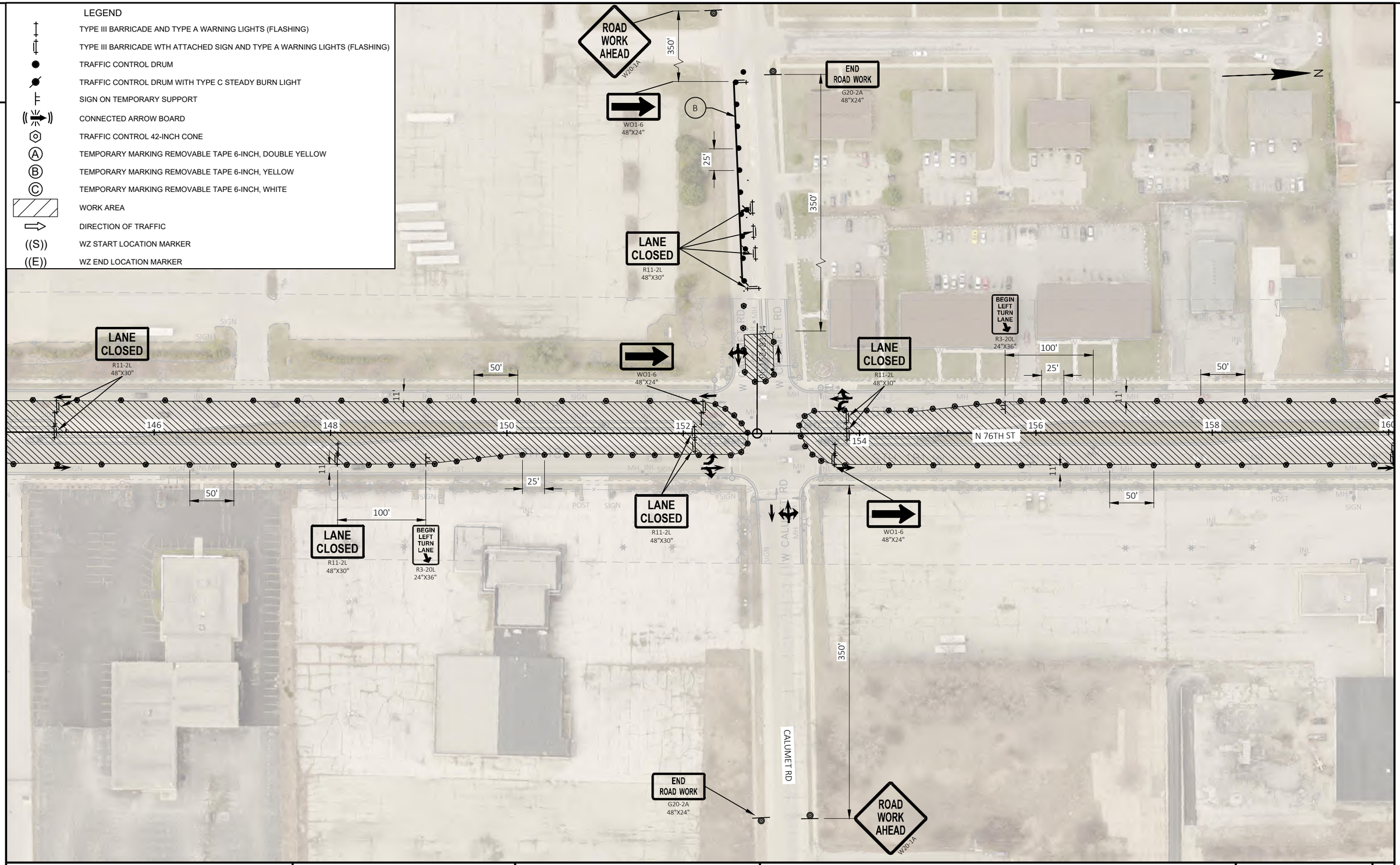
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 454	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:11 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 08
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 455	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:11 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 09

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

200'

LOLITA AVE

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

50'

50'

11'

160 162 164 166 168 170 N 76TH ST 172 174

25'

11'

50'

100'

25'

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

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 456	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:11 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 10

2

2

ROAD WORK AHEAD
W20-1A
350'
LANE CLOSED
R11-2L
48"X30"
B
END ROAD WORK
G20-2A
48"X24"
350'
BRADLEY RD
25'
BEGIN LEFT TURN LANE
R3-20L
24"X36"
LANE CLOSED
R11-2L
48"X30"
WO1-6
48"X24"
LOLITA AVE
BEGIN LEFT TURN LANE
R3-20L
24"X36"
LANE CLOSED
R11-2L
48"X30"
WO1-6
48"X24"
25'
174
176
178
180
182
184
186
188
N 76TH ST
25'
BEGIN LEFT TURN LANE
R3-20L
24"X36"
LANE CLOSED
R11-2L
48"X30"
WO1-6
48"X24"
50'
LANE CLOSED
R11-2L
48"X30"
25'
LANE CLOSED
R11-2L
48"X30"
125'
350'
350'
END ROAD WORK
G20-2A
48"X24"
ROAD WORK AHEAD
W20-1A
BEGIN LEFT TURN LANE
R3-20L
24"X36"
100'
25'
LANE CLOSED
R11-2L
48"X30"
WO1-6
48"X24"
25'
100'
LANE CLOSED
R11-2L
48"X30"
BEGIN LEFT TURN LANE
R3-20L
24"X36"
ROAD WORK AHEAD
W20-1A
200'
TOWER AVE
END ROAD WORK
G20-2A
48"X24"
WO3-1
300'
STOP
R1-1
36"X36"
LANE CLOSED
R11-2L
48"X30"
BEGIN LEFT TURN LANE
R3-20L
24"X36"
100
25'
50'
WO1-6
48"X24"
N

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 457	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:11 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 11

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

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

100'

25'

UP RR

LANE CLOSED
R11-2L
48"X30"

50'

11'

190 192 194 196 198 N 76TH ST 200 202 204

50'

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

25'

100'

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

2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 458	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:11 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 12

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

WO1-6
48"X24"

200'

50'

204

25'

206

PC: 206+03.65

LANE CLOSED
R11-2L
48"X30"

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

100'

25'

208

210

50'

11'

212

PI: 212+81.69

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

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

100'

25'

PC: 217+15.25

214

216

218

N 76TH ST

50'

USE EXISTING OVERHEAD SIGN FOR EXIT

WO1-6
48"X24"

76TH PL

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

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

LANE CLOSED
R11-2L
48"X30"

W DRAPER RD

WO1-6
48"X24"

200'

ROAD WORK AHEAD
W20-1A

SERVITE DR

END ROAD WORK
G20-2A
48"X24"

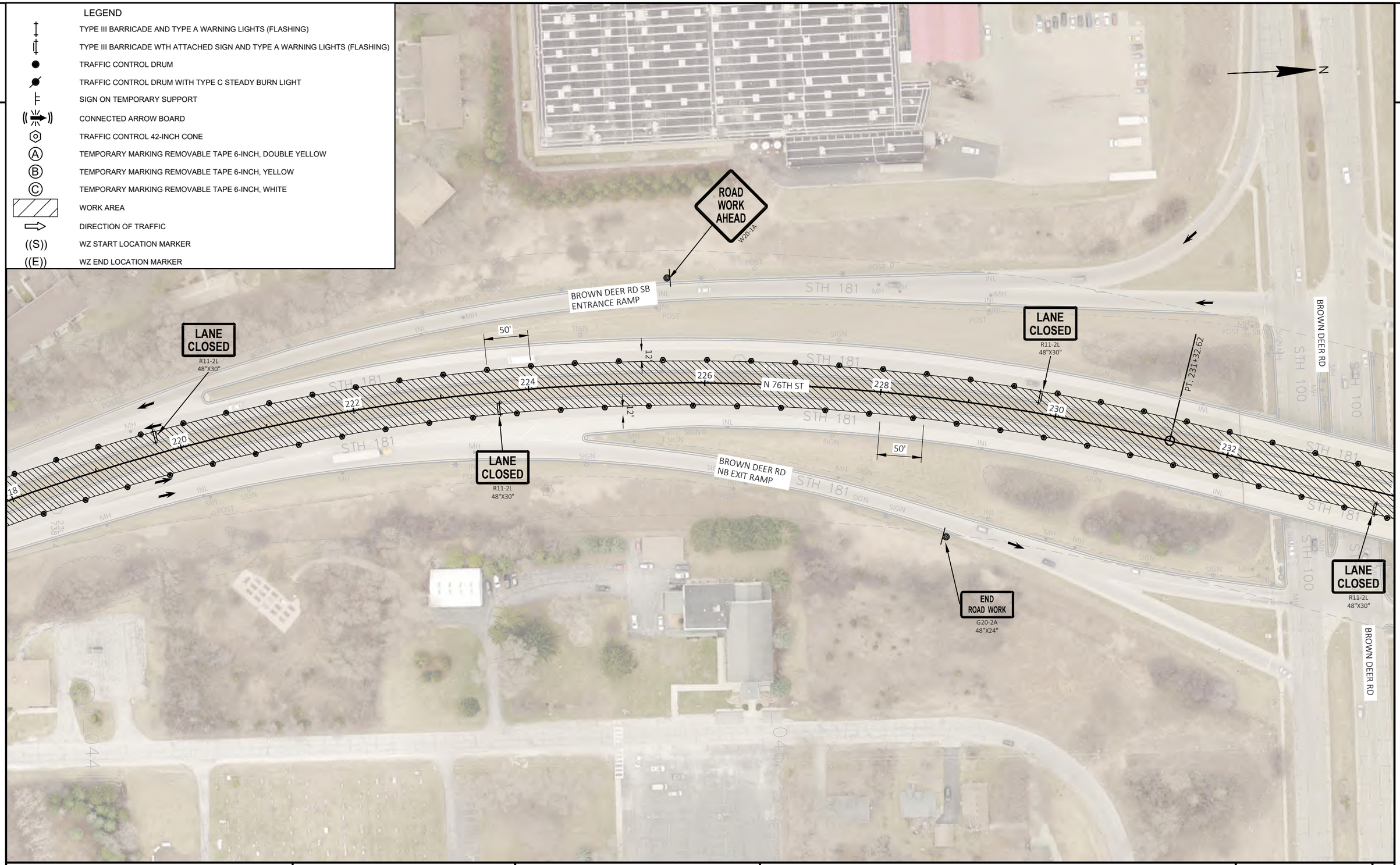
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 459	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:11 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 13
WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 460	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:11 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 14

WISDOT/CADDS SHEET 42

2

2

N

BROWN DEER RD

STH 181

STH 100

END ROAD WORK
G20-2A
48"X24"

BROWN DEER RD SB EXIT RAMP

W04-1R

LANE CLOSED
R11-2L
48"X30"

PC: 239+84.07

PT: 244+83.22

234

236

238

240

242

244

246

248

12'

50'

500'

25'

300'

N 76TH ST

LANE CLOSED
R11-2L
48"X30"

BROWN DEER RD

ROAD WORK AHEAD
W20-1A

BROWN DEER RD NB ENTRANCE RAMP

W03-2

YIELD
R1-2
48"X42"

LANE CLOSED
R11-2L
48"X30"

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 461	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:11 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 15

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ALLYN ST

NORTHRIDGE LAKES BLVD

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

N 76TH ST

248 250 252 254 256 258 260 262

25'

L1

L2

p.i. 260+11.99

N

LEGEND

	TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	SIGN ON TEMPORARY SUPPORT
	CONNECTED ARROW BOARD
	TRAFFIC CONTROL 42-INCH CONE
A	TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
B	TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
C	TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
	WORK AREA
	DIRECTION OF TRAFFIC
((S))	WZ START LOCATION MARKER
((E))	WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 462 E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:11 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 16

2

2

FAIRY CHASM DR

ROAD WORK AHEAD
W20-1A

200'

END ROAD WORK
G20-2A
48"X24"

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

25'

12'

2'

264 266 268 270 N 76TH ST 272 274 276

PC: 272+29.23

PT: 274+66.75

W GLENBROOK RD

ROAD WORK AHEAD
W20-1A

200'

END ROAD WORK
G20-2A
48"X24"

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

N

LEGEND

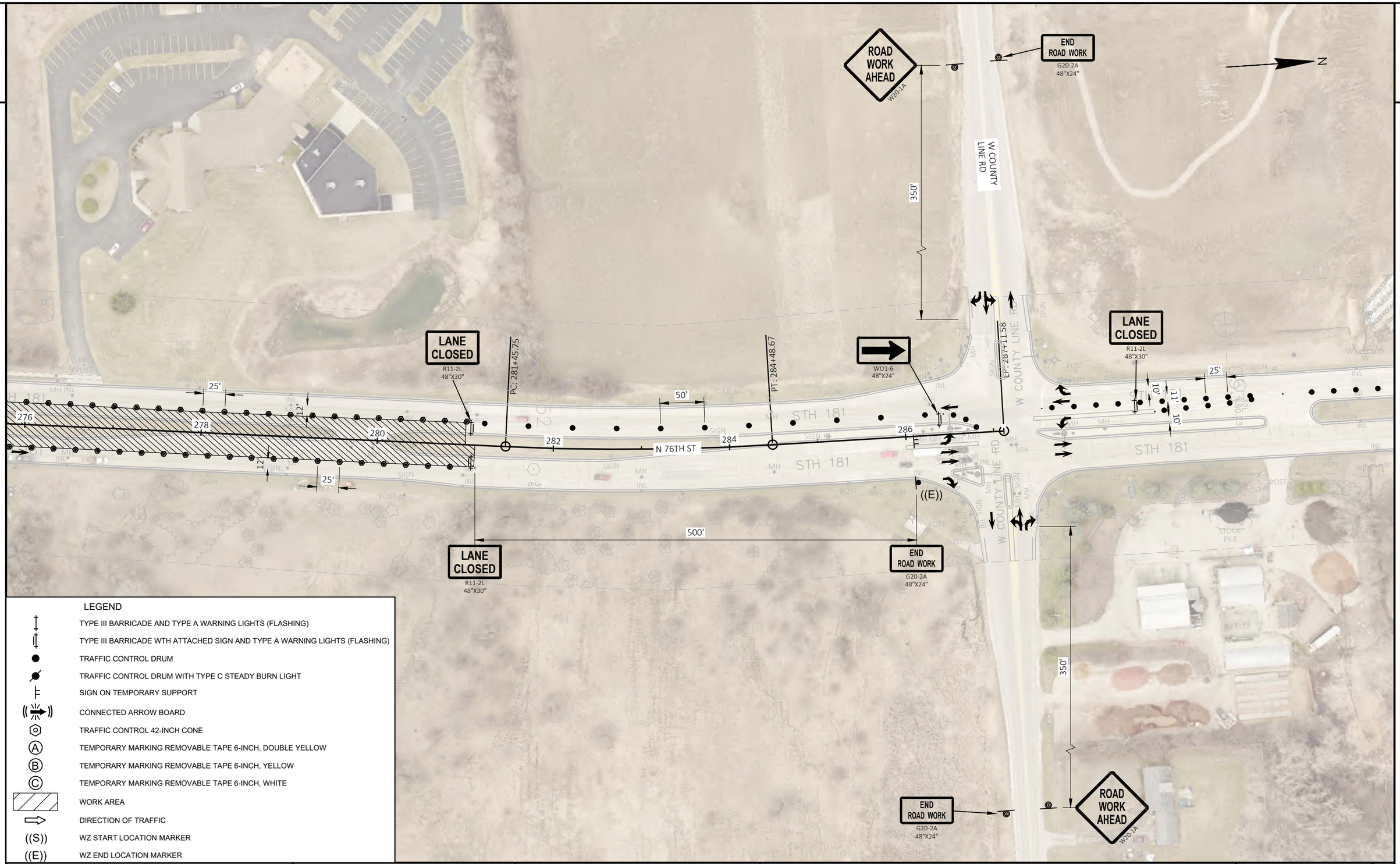
- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 463	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:11 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 17

WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 464	E

2

N

END ROAD WORK
G20-2A
48"X24"

W COUNTY LINE RD

350'

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

540' TAPER

ROAD WORK NEXT 5 MILES
G20-1
60"X24"

500'

W20-2L

500'

LEFT LANE CLOSED AHEAD
W20-5SA

500'

ROAD WORK AHEAD
W20-1A

((S))

50'

25'

25'

10'

11'

10'

STH 181

STH 181

ROAD CLOSED
R11-2
48"X30"

W COUNTY LINE RD

EP: 287+11.58

RIPRAP

ORCHARD

STOCK PILE

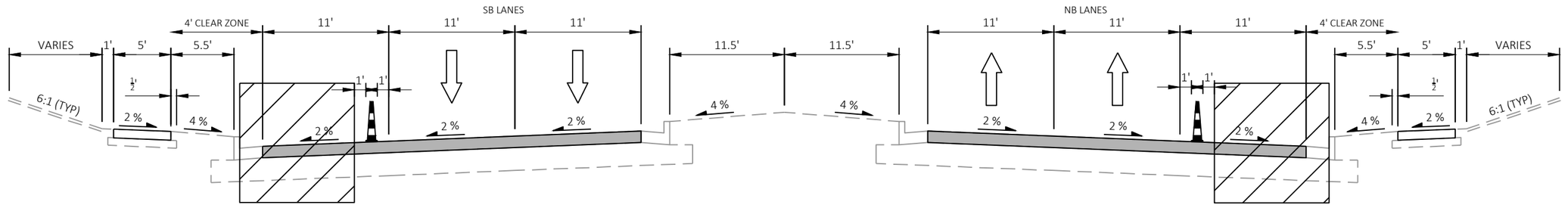
SEPTIC

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

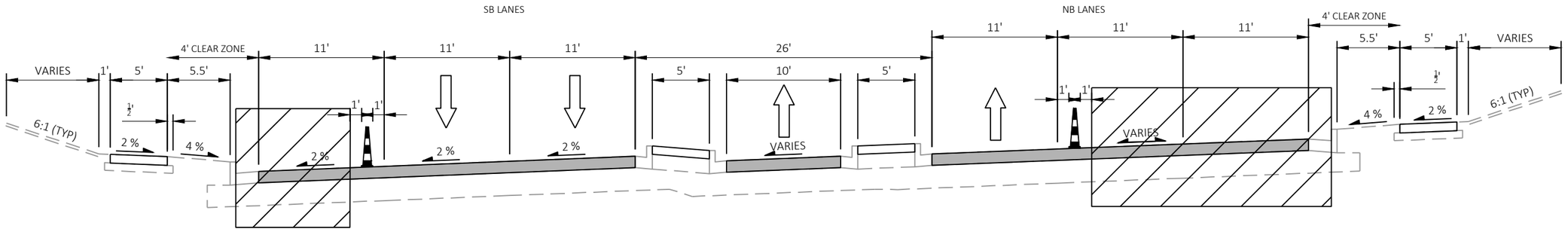
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 3B	SHEET 465	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 3B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:12 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 19



STH 181 STAGING TYPICAL SECTION

STA 46+00.00 TO STA 124+61+00 (NB)
STA 46+00.00 TO STA 125+03.30 (SB)
STA 127+50.00 TO STA 140+00.00 (NB)
STA 127+81.00 TO STA 140+00.00 (SB)
*STA 140+00.00 TO STA 204+92.00

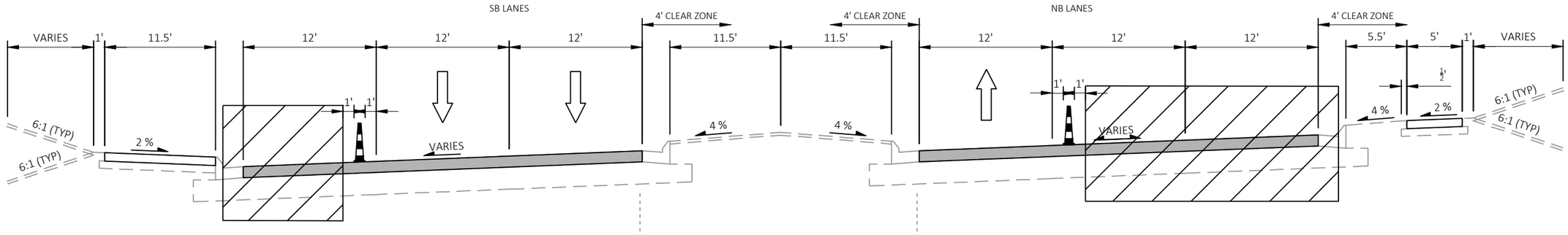


STH 181 STAGING TYPICAL SECTION , SUPERELEVATED

STA 204+92.00 TO STA 206+12.00

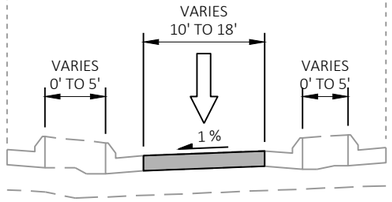
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 4A STAGING TYPICAL SECTION	SHEET 466	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 4A.DWG PLOT DATE : 4/23/2025 2:07 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 01
WISDOT/CADDS SHEET 42

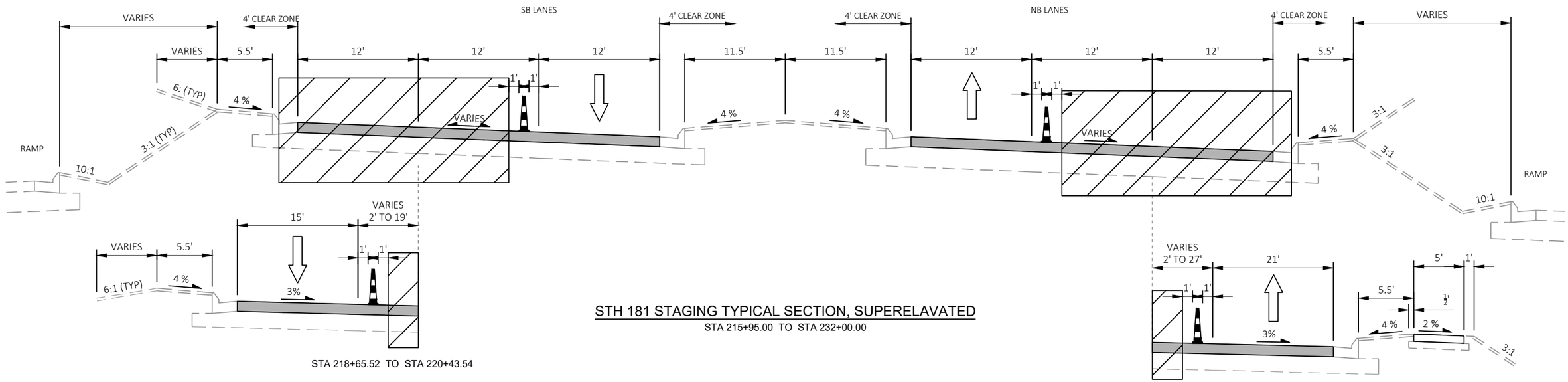


STH 181 STAGING TYPICAL SECTION , SUPERELEVATED

STA 206+12.00 TO STA 214+06.00



STA 206+27.00 TO STA 207+64.00
STA 213+20.00 TO STA 214+06.00



STH 181 STAGING TYPICAL SECTION, SUPERELAVATED

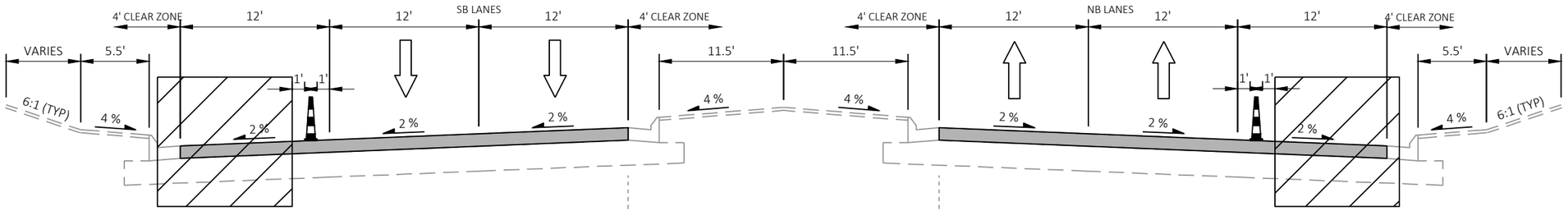
STA 215+95.00 TO STA 232+00.00

STA 218+65.52 TO STA 220+43.54

STA 220+86.67 TO STA 224+64.25

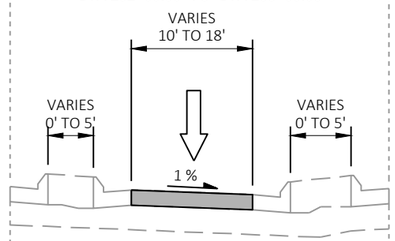
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 4A STAGING TYPICAL SECTION	SHEET 467	E

2

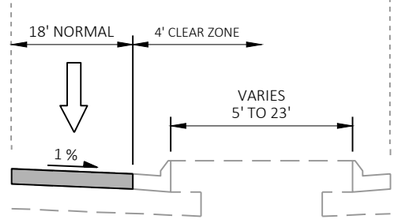


STH 181 STAGING TYPICAL SECTION

STA 214+06 TO STA 215+95.00
STA 232+00.00 TO STA 238+60.00

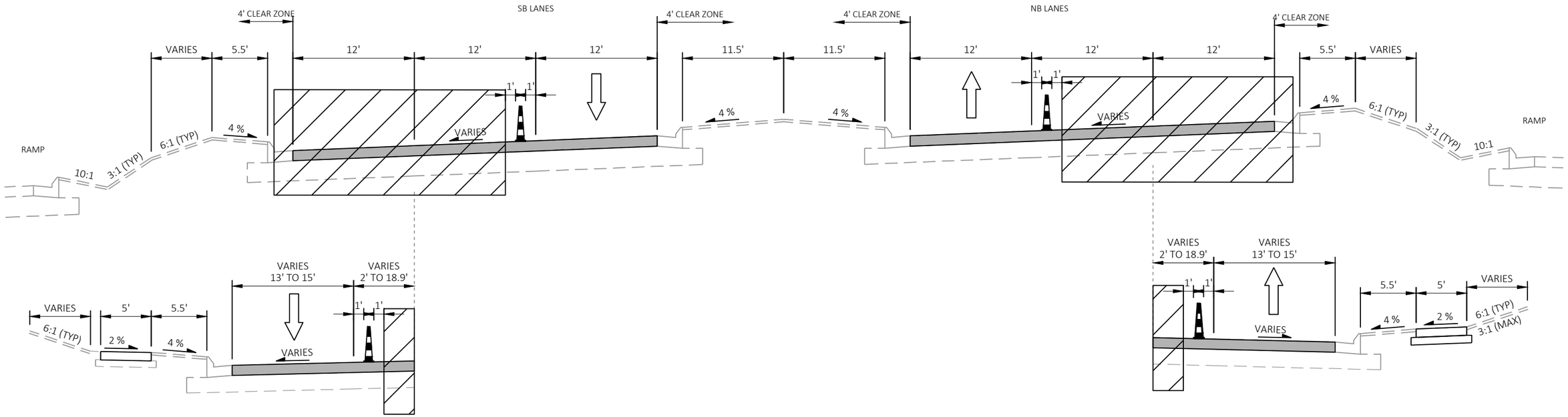


STA 214+06.00 TO STA 214+59.00



STA 214+59.00 TO STA 217+12.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 4A STAGING TYPICAL SECTION	SHEET 468	E

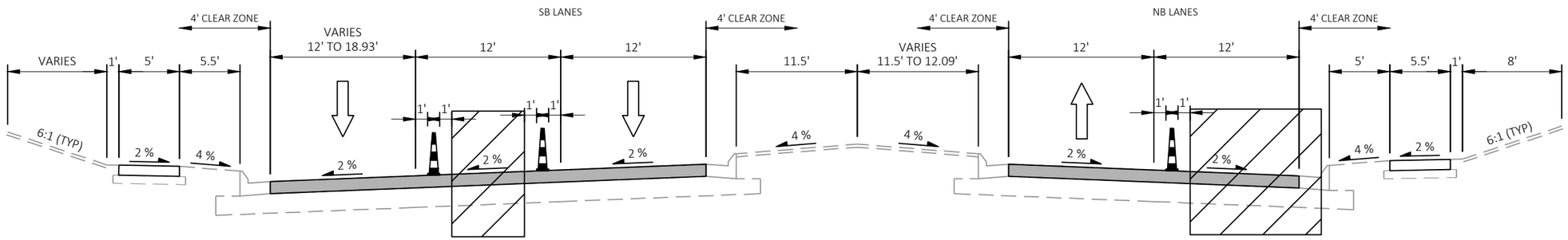


STA 244+62.64 TO STA 246+14.00

STA 242+29.00 TO STA 243+72.58

STH 181 STAGING TYPICAL SECTION, SUPERELAVATED

STA 238+60.00 TO STA 246+14.00



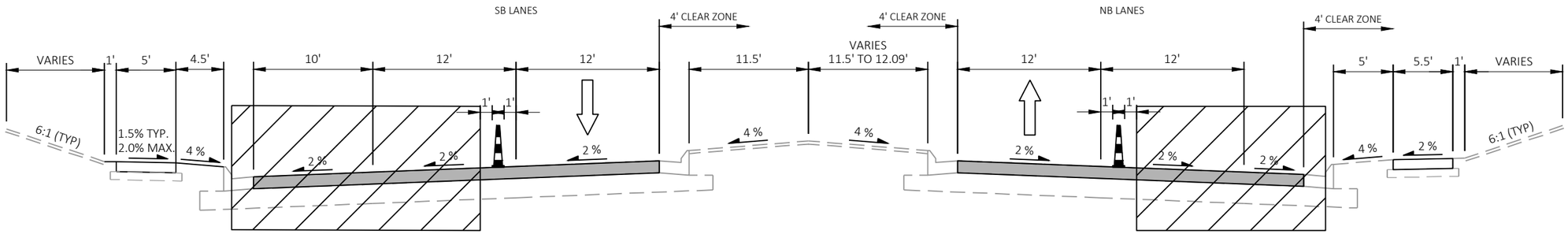
STH 181 STAGING TYPICAL SECTION

STA 246+14.00 TO STA 257+50.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 4A STAGING TYPICAL SECTION	SHEET 469	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 4A.DWG PLOT DATE : 4/23/2025 2:07 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 04
WISDOT/CADDS SHEET 42

2



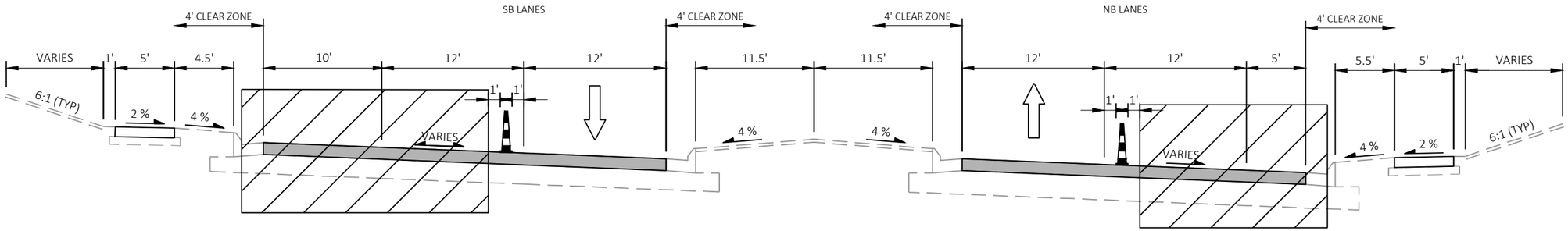
STH 181 STAGING TYPICAL SECTION

STA 257+50 TO STA 271+15
STA 275+82 TO STA 287+11.68

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 4A STAGING TYPICAL SECTION	SHEET 470	E

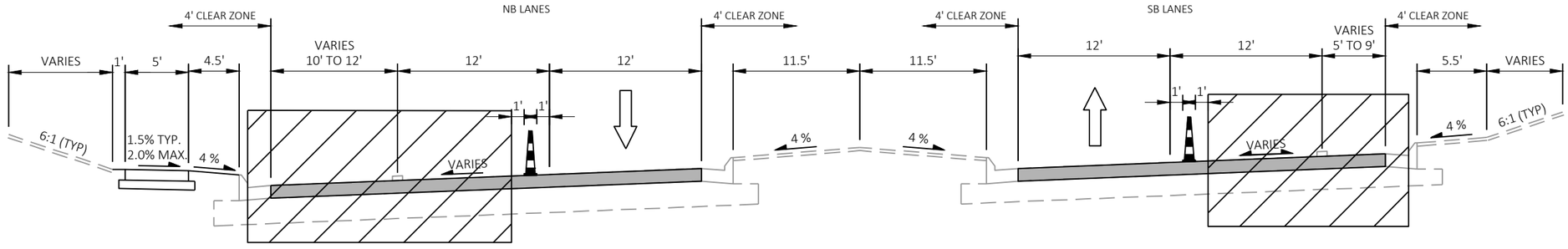
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 4A.DWG PLOT DATE : 4/23/2025 2:07 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 05
WISDOT/CADDS SHEET 42

2



STH 181 STAGING TYPICAL SECTION

STA 271+15.00 TO STA 275+82.00



STH 181 STAGING TYPICAL SECTION, SUPERELEVATED

STA 280+29.00 TO STA 281+00.00

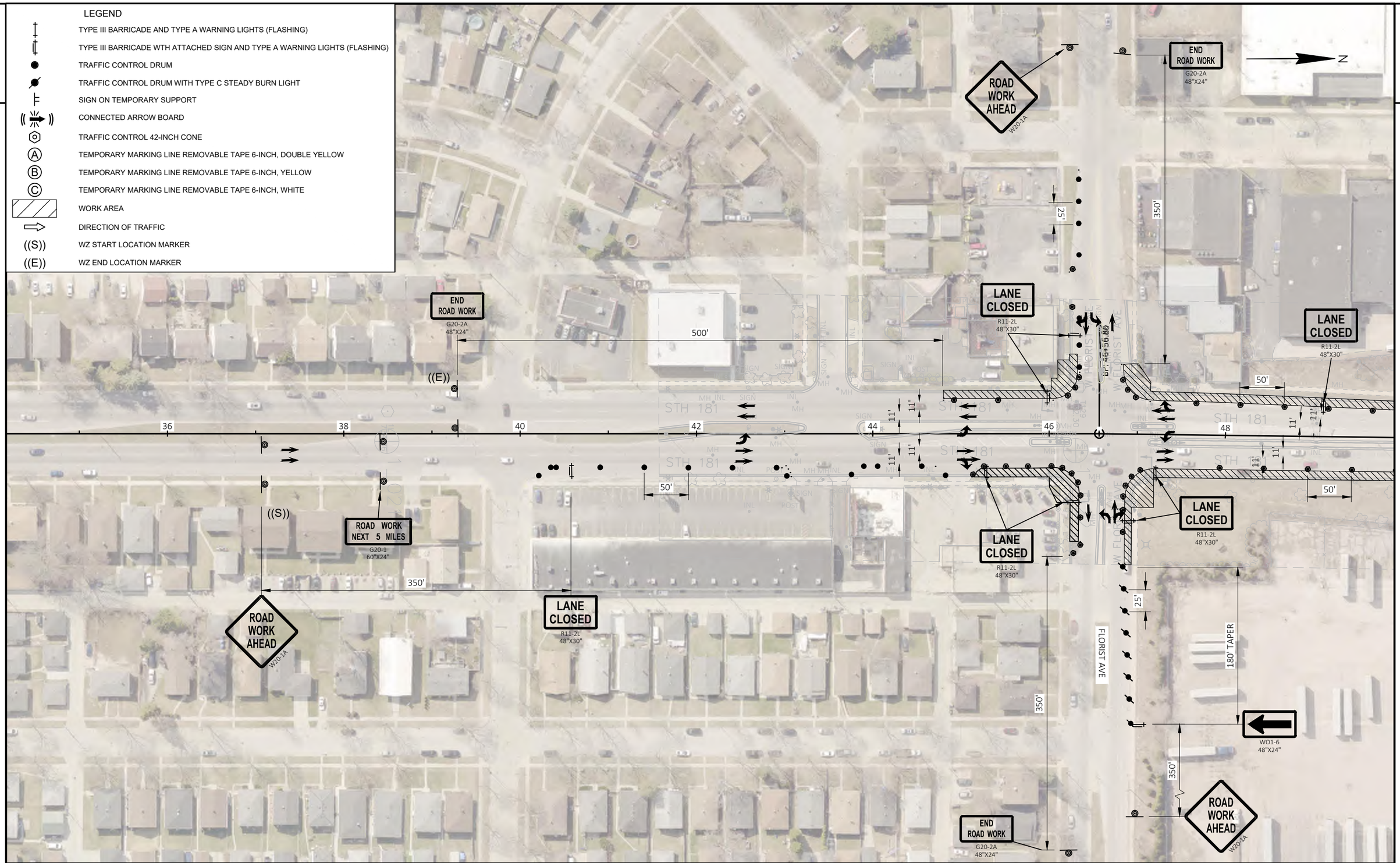
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 4A STAGING TYPICAL SECTION	SHEET 471	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 4A.DWG PLOT DATE : 4/23/2025 2:07 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 06

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 472	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:27 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 01

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

350'

LANE CLOSED
R11-2L
48"X30"

Br. 46+56.89

FLORIST AVE

STH 181

N 76TH ST

DOUGLAS AVE

MATCH LINE 56+31.86

N

44 46 48 50 52 54 56 58

11' 11' 11' 11' 11' 11' 11' 11'

50'

25'

180' TAPER

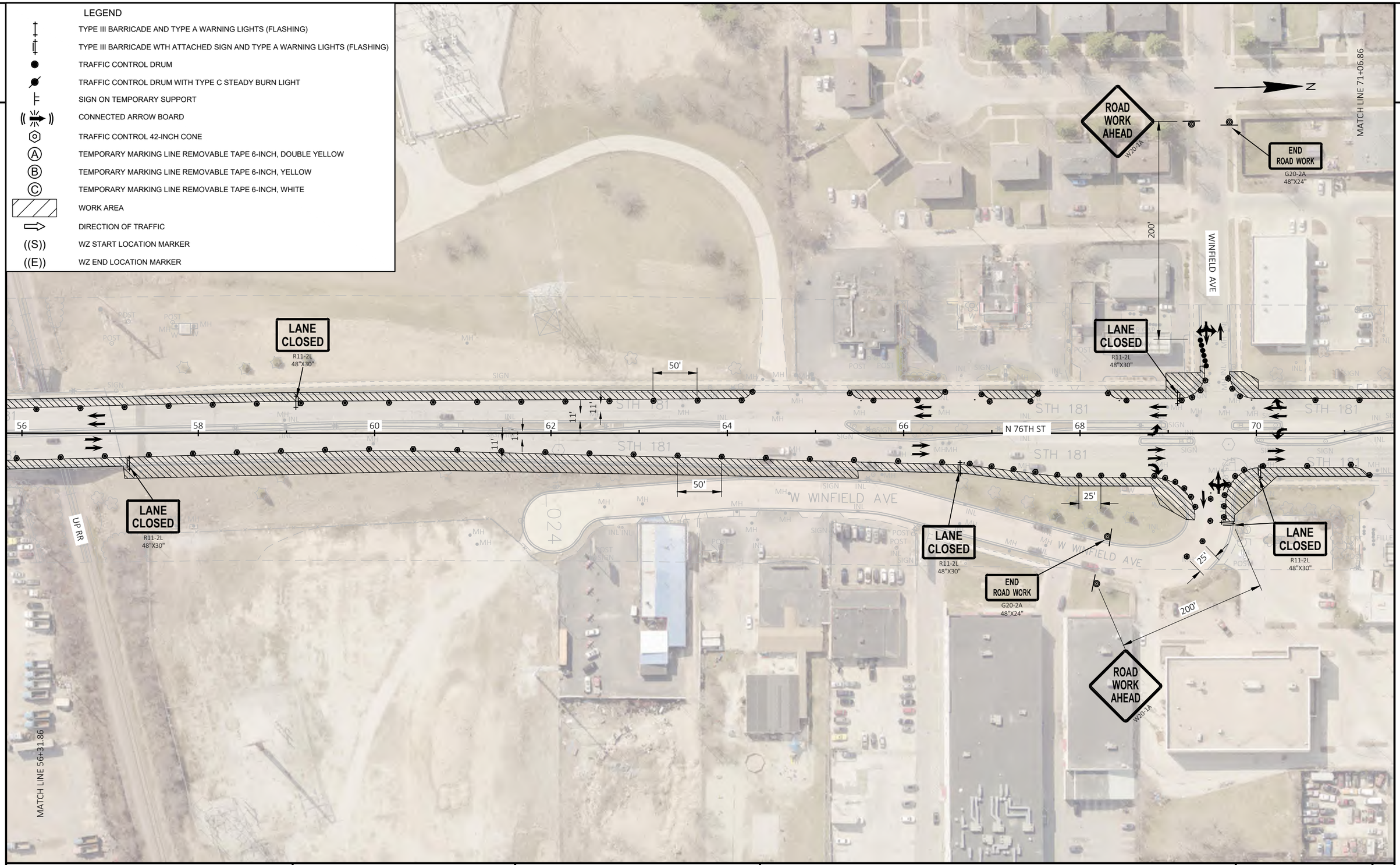
WO1-6
48"X24"

UP RR

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 474	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:27 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 03

WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A
350'
350'
RIGHT SHOULDER CLOSED
W21-5A
((S))
((E))
END ROAD WORK
G20-2A
48"X24"
ROAD CLOSED
R11-2
48"X30"
25'
LANE CLOSED
R11-2L
48"X30"
73+10.95
LANE CLOSED
R11-2L
48"X30"
ROAD WORK AHEAD
W20-1A
END ROAD WORK
G20-2A
48"X24"
200'
CLOVERNOOK ST
LANE CLOSED
R11-2L
48"X30"
50'
LANE CLOSED
R11-2L
48"X30"
MATCH LINE 85+81.86
N
ROAD WORK AHEAD
W20-1A
ACACIA ST
72
74
76
78
80
N 76TH ST
82
84
86
11'
11'
11'
11'
50'
LANE CLOSED
R11-2L
48"X30"
LANE CLOSED
R11-2L
48"X30"
ROAD CLOSED
R11-2
48"X30"
LANE CLOSED
R11-2L
48"X30"
ROAD CLOSED
R11-2
48"X30"
CTH S MILL RD
245' TAPER
350'
25'
350'
350'
RIGHT SHOULDER CLOSED
W21-5A
ROAD WORK AHEAD
W20-1A
END ROAD WORK
G20-2A
48"X24"
((E))
((S))
MATCH LINE 71+06.86

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 475	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:27 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 04
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

MATCH LINE 100+

ROAD WORK AHEAD W20-1A

END ROAD WORK G20-2A 48"X24"

ACACIA ST

GREEN TREE RD

LANE CLOSED R11-2L 48"X30"

STH 181

N 76TH ST

86 88 90 92 94 96 98 100

11' 11' 11' 11'

50' 50'

55' 55'

200' 200'

125'

PI: 99+70.27

C

MATCH LINE 85+81.86

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 476	E

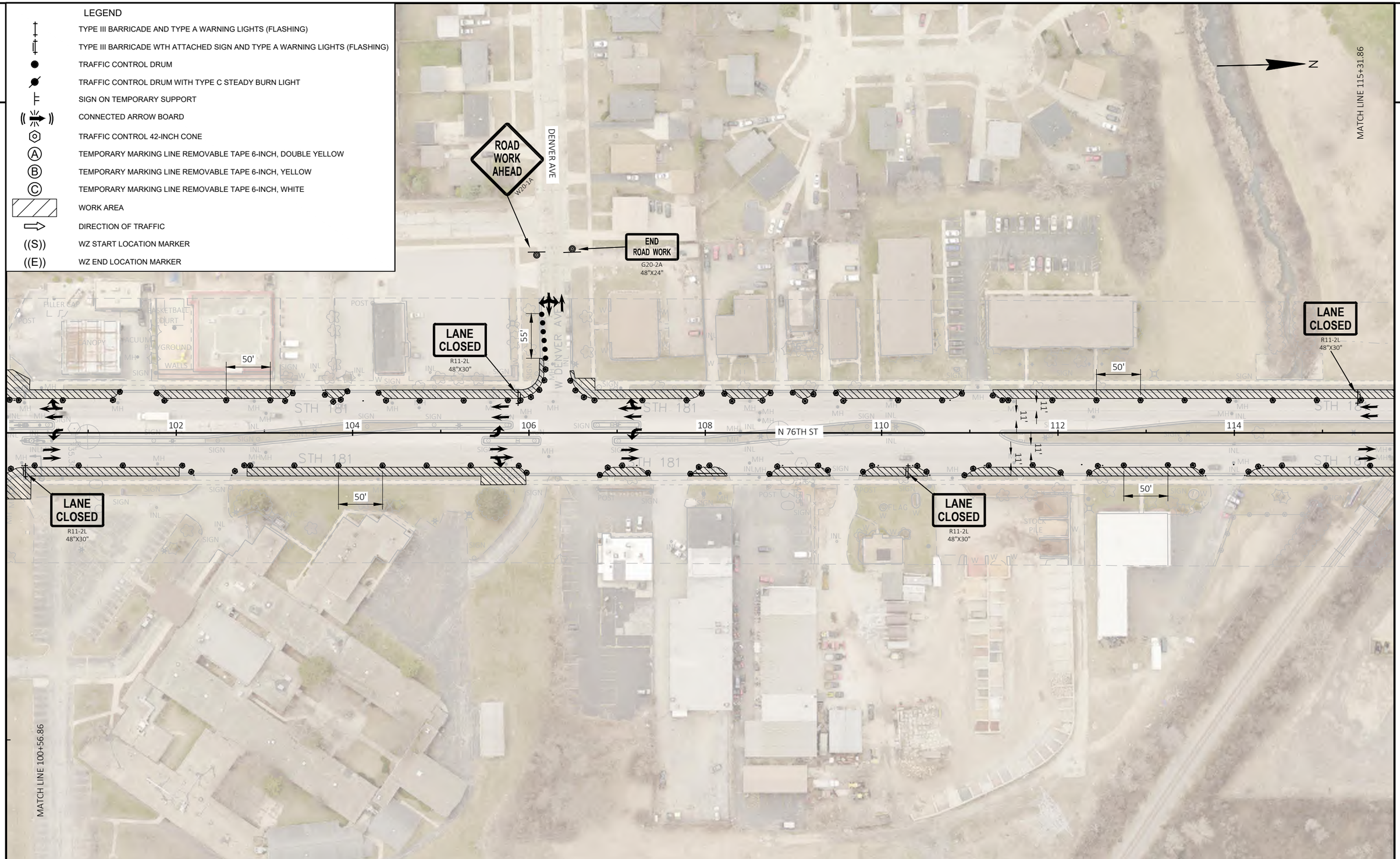
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:27 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 05

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 477	E

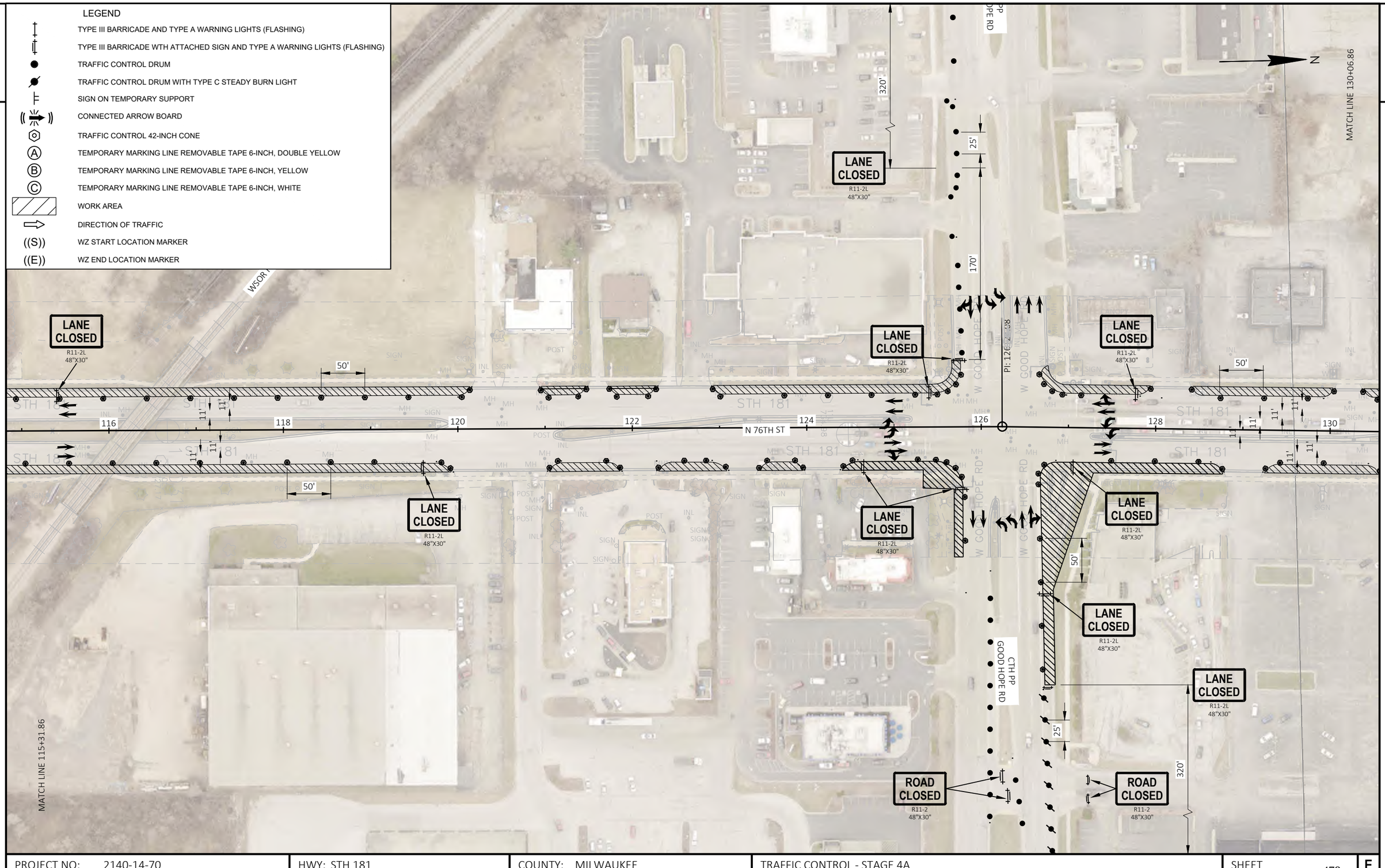
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LAYOUT NAME - 06

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 478	E

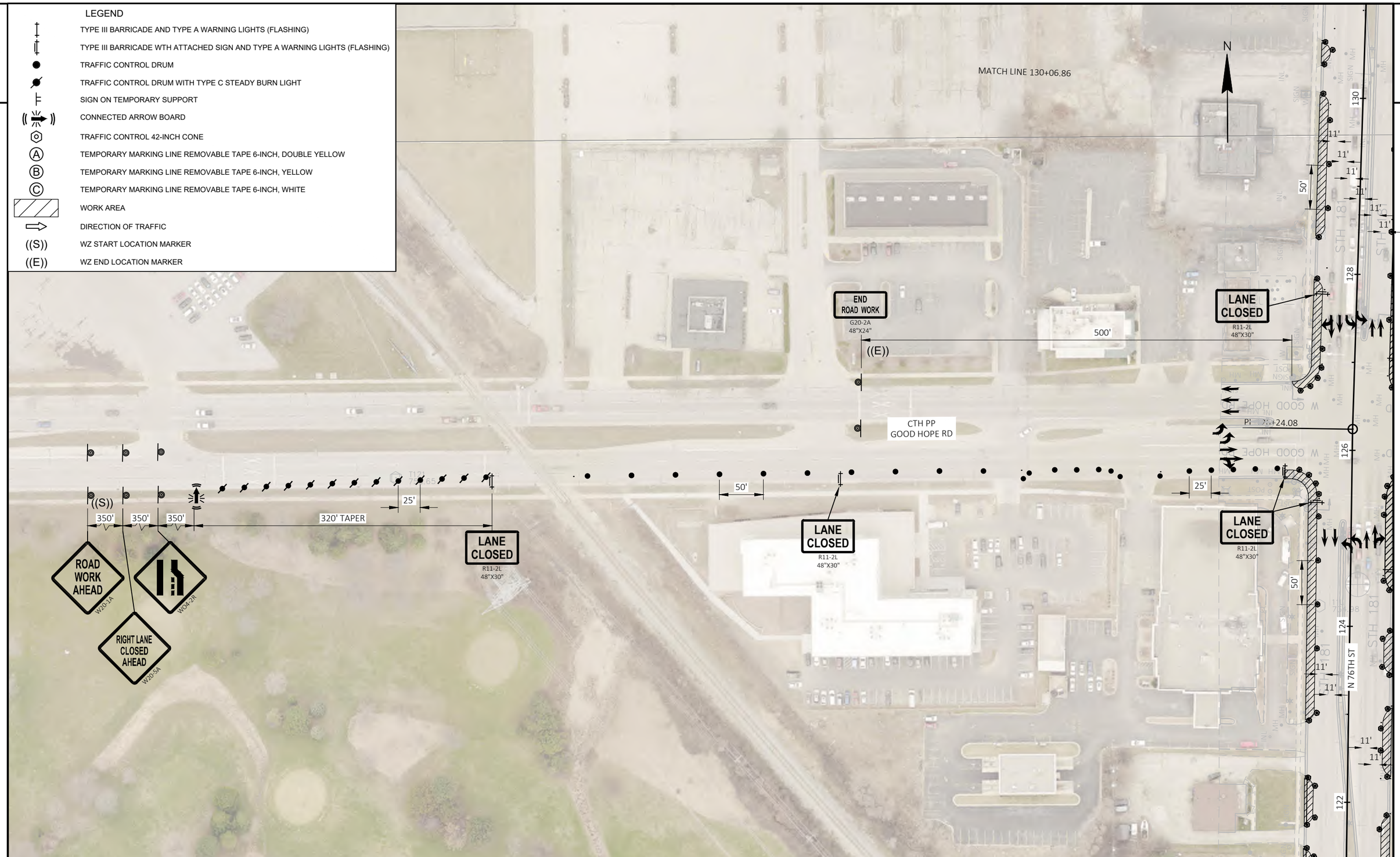
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:28 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 07

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 479	E

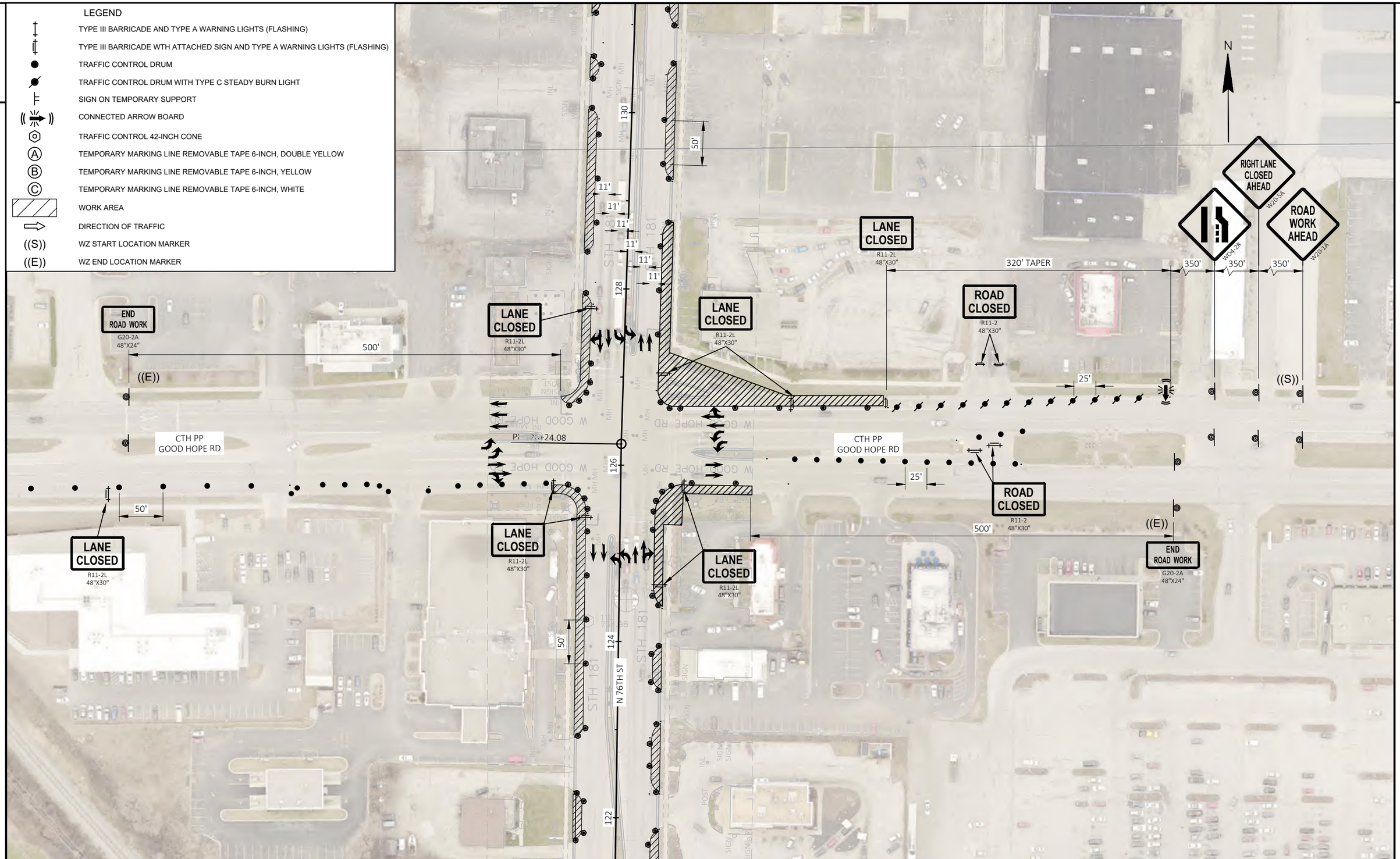
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LAYOUT NAME - 08_GoodHope

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 480	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:28 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 08_GoodHope (2)

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

200'

CLINTON AVE

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

50'

50'

50'

50'

11'

11'

11'

11'

130 132 134 136 138 140 142 144

STH 181

N 76TH ST

N

MATCH LINE 144+81.86

MATCH LINE 130+06.86

2

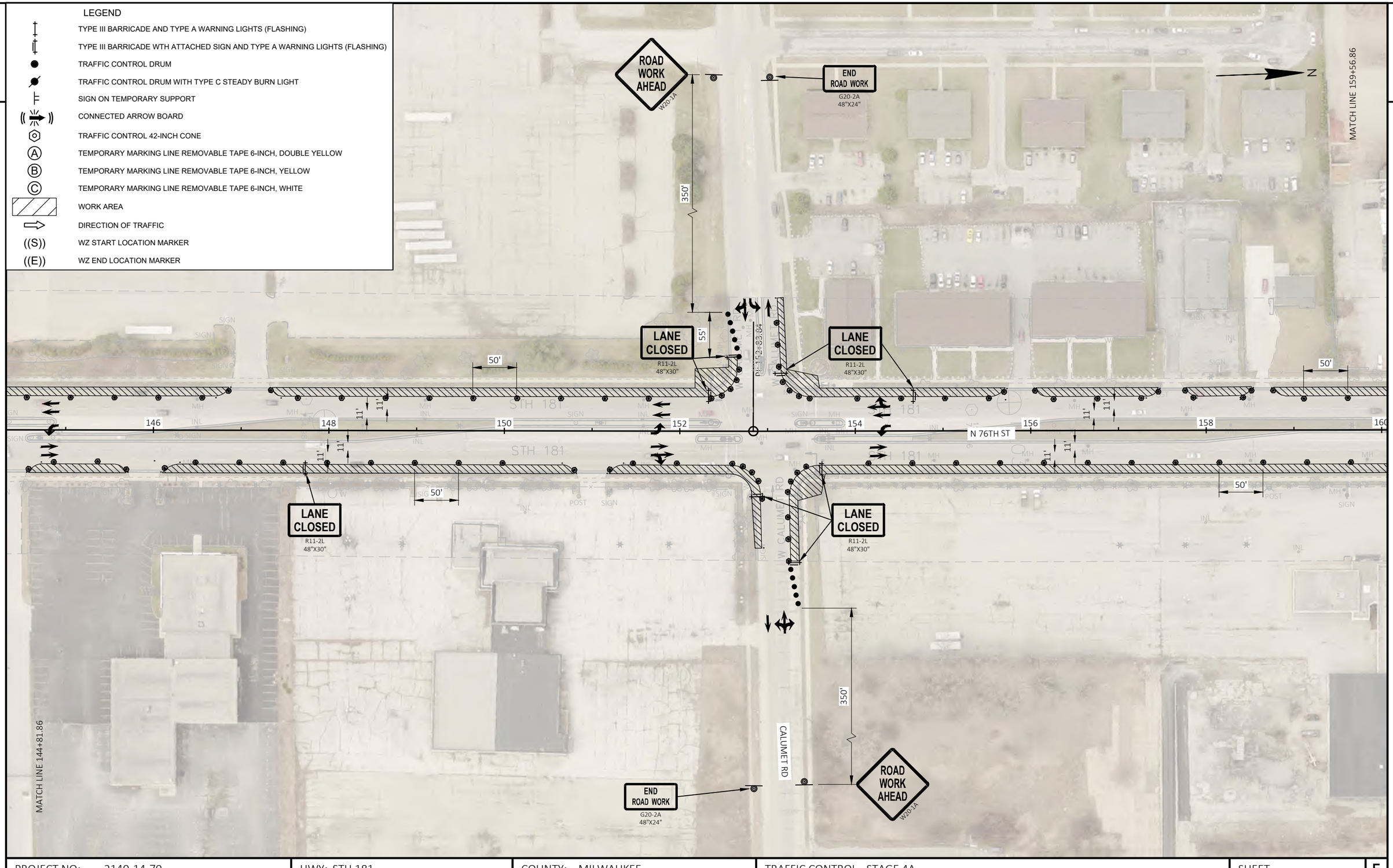
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 481	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:28 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 09

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 482	E

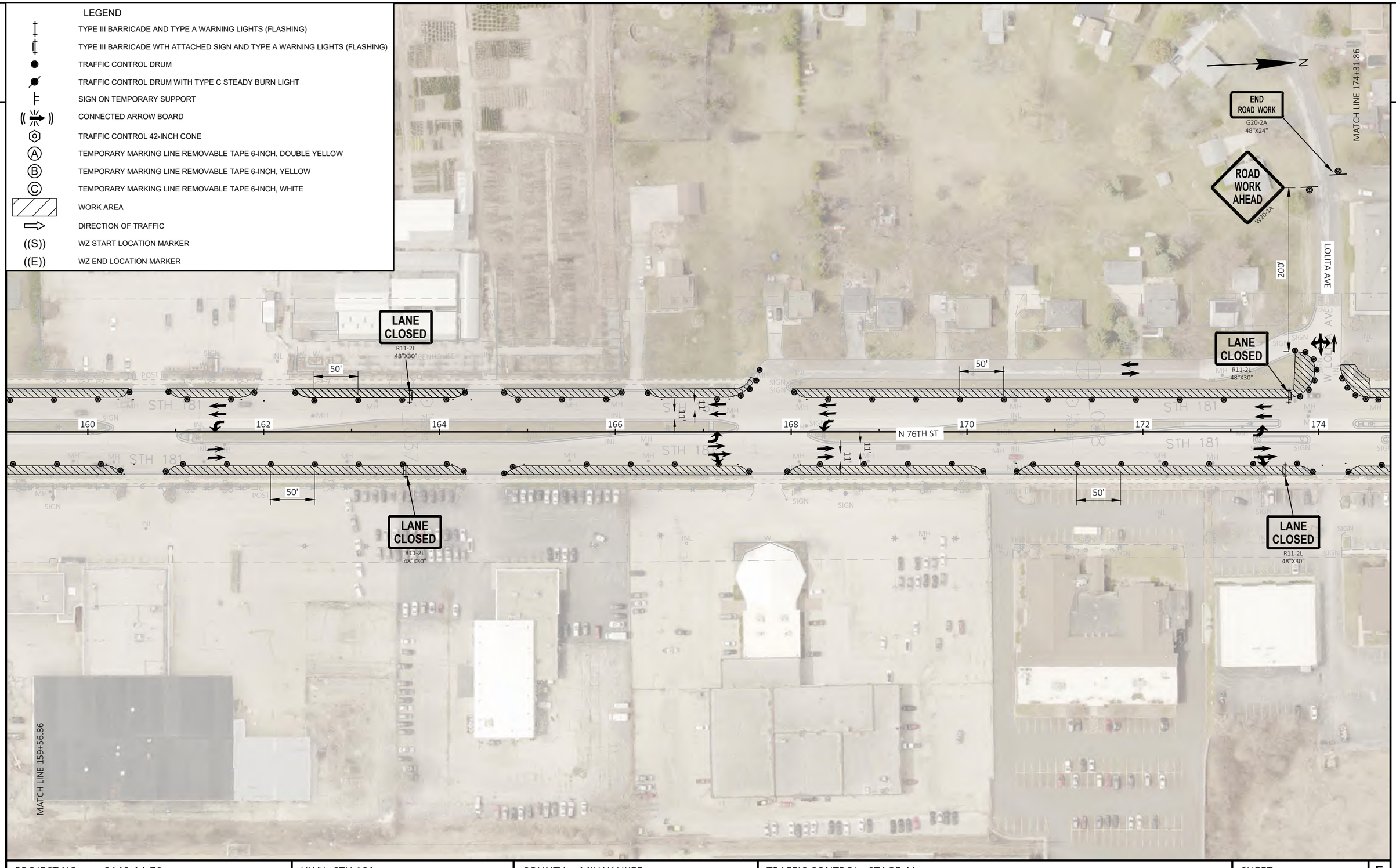
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:28 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 10

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 483	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:28 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 11

2

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

200'

TOWER AVE

END ROAD WORK
G20-2A
48"X24"

W03-1

MATCH LINE 189+06.86

N

LOLITA AVE

50'

BRADLEY RD

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

P.I. 170+40.84

50'

125'

25'

300'

55'

STOP
R1-1
36"X36"

LANE CLOSED
R11-2L
48"X30"

50'

11'

11'

174 176 178 180 182 184 N 76TH ST 186 188

50'

50'

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

320'

W04-2R

25'

350'

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

MATCH LINE 174+31.86

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 484	E

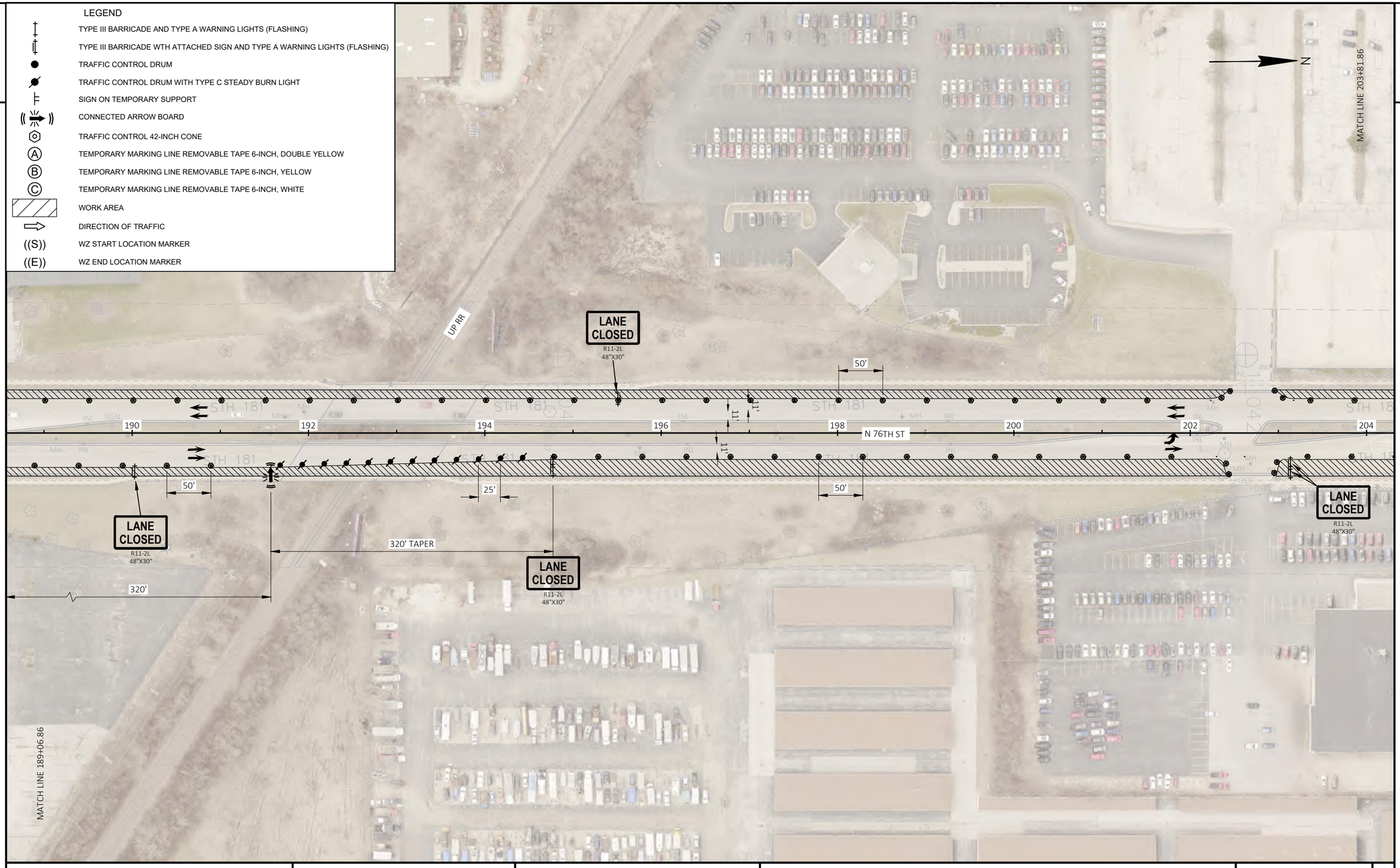
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:28 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 12

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 485	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:28 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 13

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

200'

LANE CLOSED
R11-2L
48"X30"

55'

50'

PI: 206+03.65

204

206

208

210

212

214

216

218

11'

11'

11'

PI: 212+81.69

800'

500'

PC: 217+15.25

50'

50'

25'

N 76TH ST

STH 181

W DEAN RD

76TH PL

SERVITE DR

EXIT
E5-1
48"X48"

MATCH LINE 218+56.86

N

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 486	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:28 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 14

WISDOT/CADDS SHEET 42

2

2

N

WO4-6R
48"X48"

WO4-6R
48"X48"

ROAD
WORK
AHEAD
W20-1A

800'

500'

BROWN DEER RD SB
ENTRANCE RAMP

LANE
CLOSED
R11-2L
48"X30"

LANE
CLOSED
R11-2L
48"X30"

50'

11'

11'

220

222

224

226

228

230

232

N 76TH ST

PT: 231+32.62

BROWN DEER RD

18

25'

BROWN DEER RD
NB EXIT RAMP

STH 181

STH 100

LANE
CLOSED
R11-2L
48"X30"

LANE
CLOSED
R11-2L
48"X30"

EXIT
E5-1
48"X48"

END
ROAD WORK
G20-2A
48"X24"

BROWN DEER RD

LINE 218+56.86

LEGEND

	TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	SIGN ON TEMPORARY SUPPORT
	CONNECTED ARROW BOARD
	TRAFFIC CONTROL 42-INCH CONE
A	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
B	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
C	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
	WORK AREA
	DIRECTION OF TRAFFIC
((S))	WZ START LOCATION MARKER
((E))	WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 487	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:29 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 15

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

MATCH LINE 248+06.86

BROWN DEER RD

BROWN DEER RD SB EXIT RAMP

STH 181

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

PC: 239+34.07

50'

234

236

238

240

242

244

246

248

11'

11'

N 76TH ST

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

PT: 244+83.22

EXIT
E5-1
48"X48"

25'

50'

50'

50'

BROWN DEER RD NB ENTRANCE RAMP

800'

600'

500'

ROAD WORK AHEAD
W20-1A

W04-5R
48"X48"

W04-5R
48"X48"

BROWN DEER RD

STH 100

SIGN

INL

MH

POST

WOOD POST

CAN

SIGN

SIGN

SIG

2

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ALLYN ST

LANE CLOSED
R11-2L
48"X30"

25'

25'

50'

11'

248

250

252

254

N 76TH ST

256

258

260

262

600' TAPER

ROAD CLOSED
R11-2
48"X30"

NORTHRIDGE LAKES BLVD

STH 181

50'

50'

50'

50'

25'

25'

50'

11'

11'

MATCH LINE 262+81.86

N

PI: 260+11.99

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 489	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:29 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 17

WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A

200'

55'

LANE CLOSED
R11-2L
48"X30"

FAIRY CHASM DR

END ROAD WORK
G20-2A
48"X24"

50'

11'

11'

50'

264

266

268

270

N 76TH ST

272

PC: 272+29.23

274

PT: 274+66.79

276

278

STH 181

GLENBROOK RD

ROAD WORK AHEAD
W20-1A

200'

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

N

MATCH LINE 277+56.86

LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 490	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:29 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 18

WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

W COUNTY LINE RD

350'

N

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

25'

50'

100'

25'

PC: 281+45.75

PT: 284+48.67

EP: 287+11.58

276

278

280

282

284

286

N 76TH ST

11'

11'

11'

STH 181

W COUNTY LINE RD

((E))

END ROAD WORK
G20-2A
48"X24"

350'

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

STOCK PILE

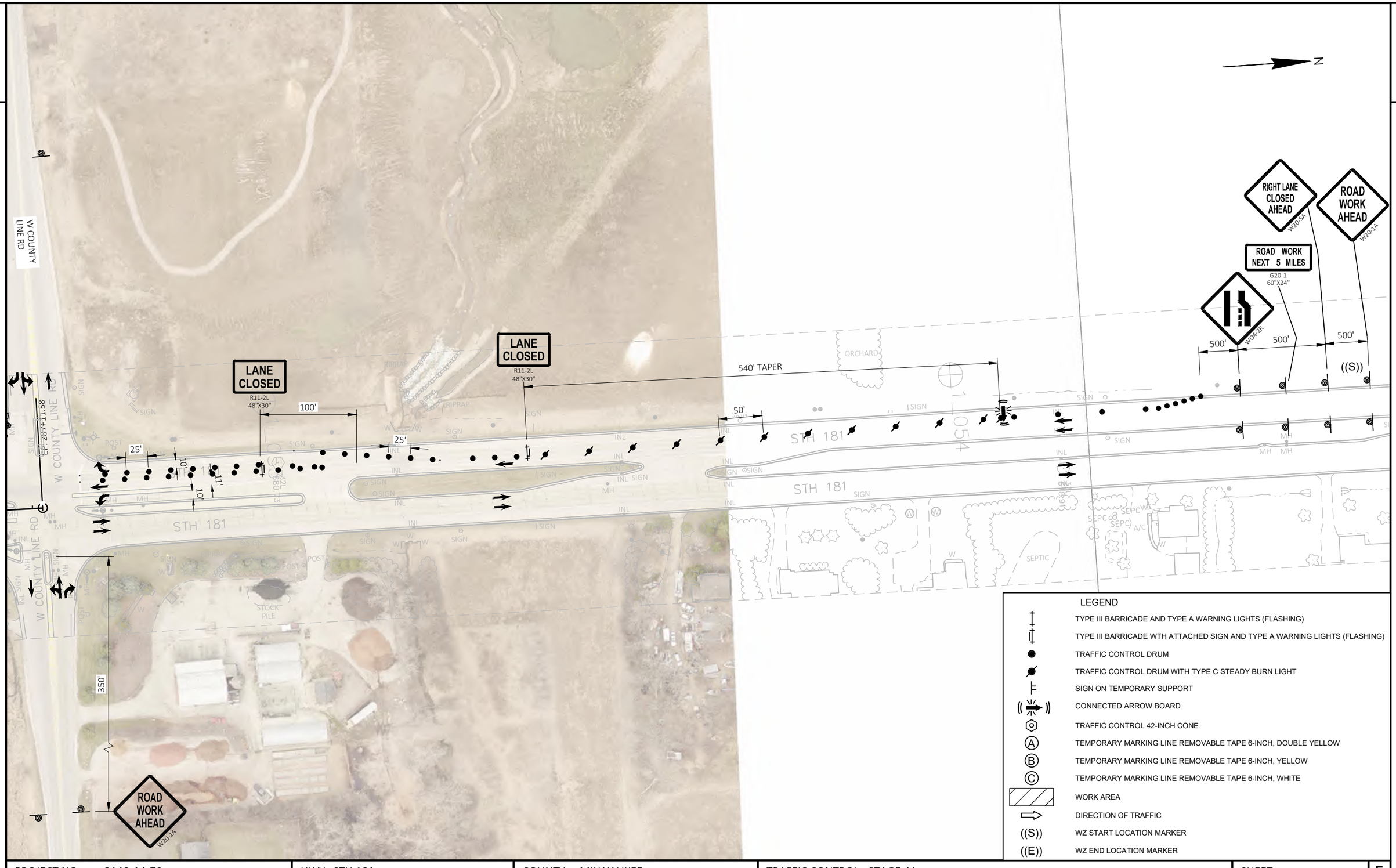
LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
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- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 491	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:29 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 19

2



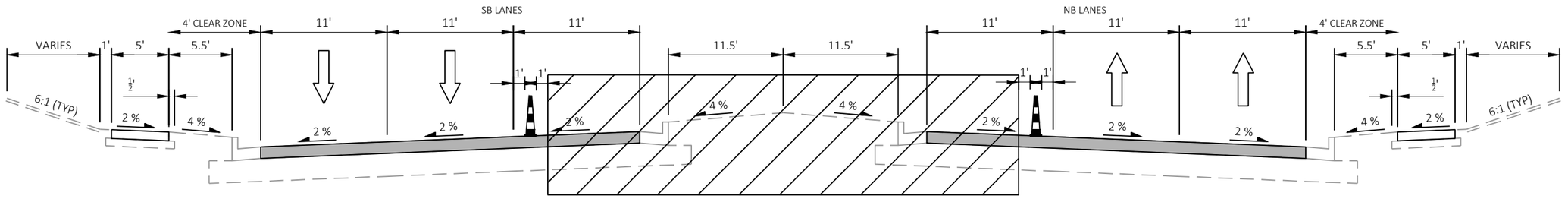
LEGEND

- TYPE III BARRICADE AND TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4A	SHEET 492	E

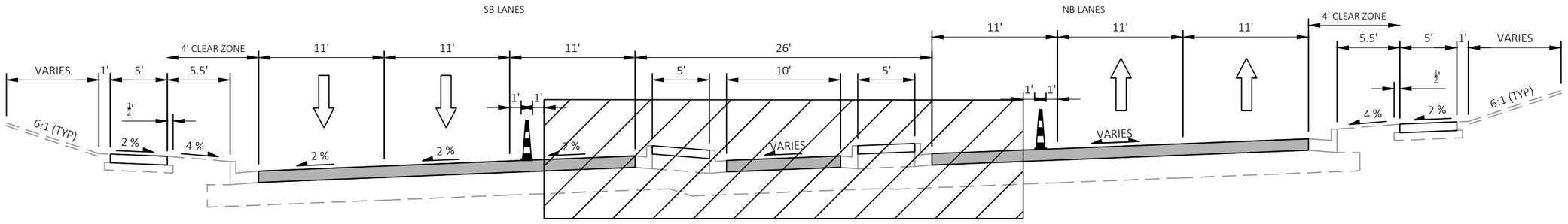
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4A_OUTSIDE WORK.DWG PLOT DATE : 4/11/2025 12:29 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 20
WISDOT/CADDS SHEET 42

2



STH 181 STAGING TYPICAL SECTION

STA 46+00.00 TO STA 124+61+00 (NB)
STA 46+00.00 TO STA 125+03.30 (SB)
STA 127+50.00 TO STA 140+00.00 (NB)
STA 127+81.00 TO STA 140+00.00 (SB)
*STA 140+00.00 TO STA 204+92.00

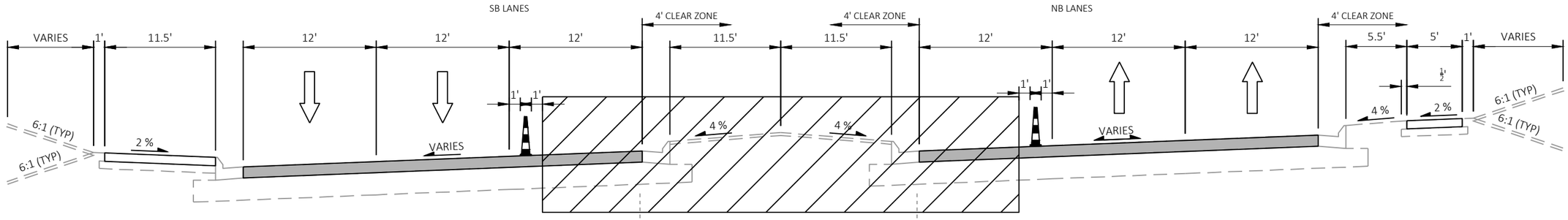


STH 181 STAGING TYPICAL SECTION , SUPERELEVATED

STA 204+92.00 TO STA 206+12.00

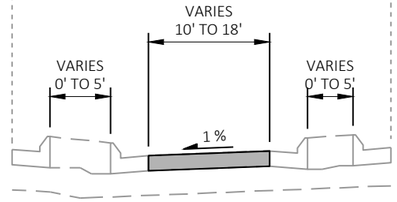
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 4B STAGING TYPICAL SECTION	SHEET 493	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 4B.DWG PLOT DATE : 4/23/2025 2:00 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 01
WISDOT/CADDS SHEET 42

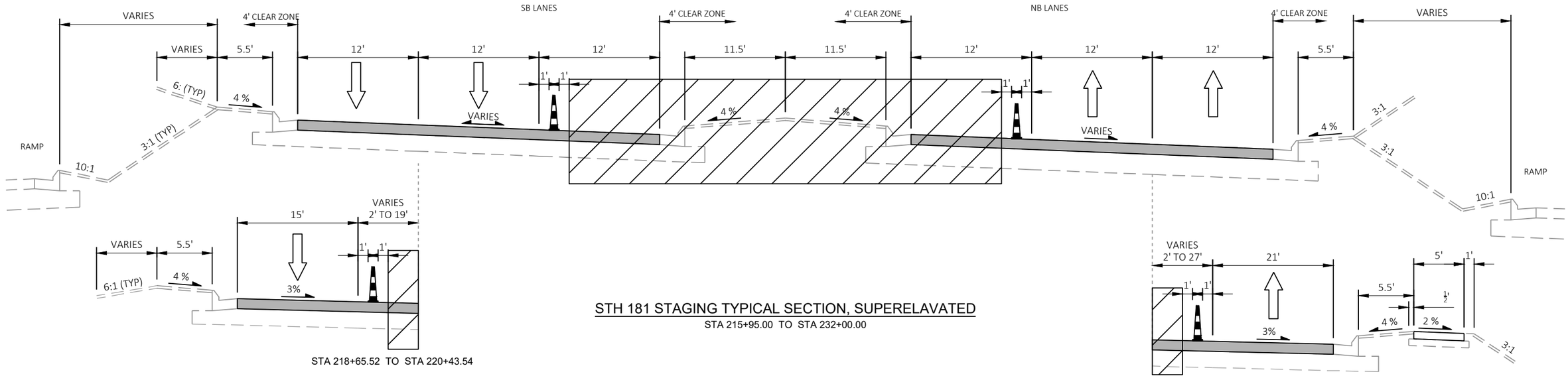


STH 181 STAGING TYPICAL SECTION , SUPERELEVATED

STA 206+12.00 TO STA 214+06.00



STA 206+27.00 TO STA 207+64.00
STA 213+20.00 TO STA 214+06.00



STH 181 STAGING TYPICAL SECTION, SUPERELAVATED

STA 215+95.00 TO STA 232+00.00

STA 218+65.52 TO STA 220+43.54

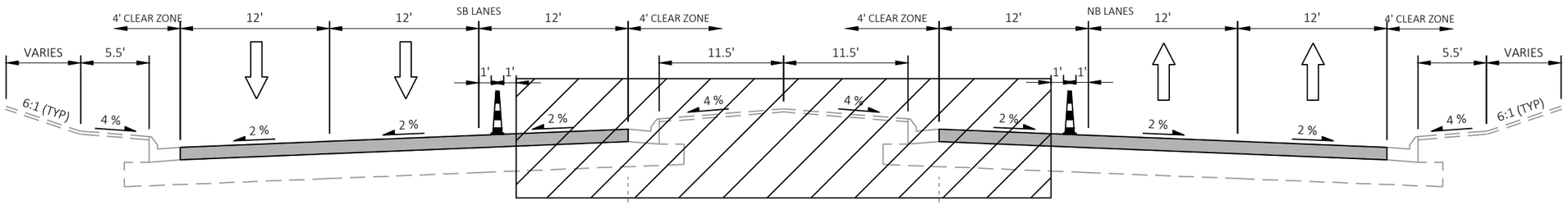
STA 220+86.67 TO STA 224+64.25

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 4B STAGING TYPICAL SECTION	SHEET 494	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 4B.DWG PLOT DATE : 4/23/2025 2:00 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 02

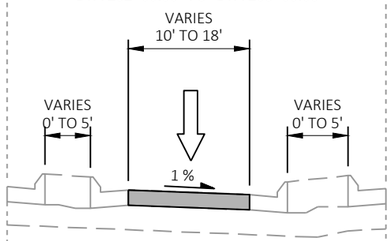
WISDOT/CADDS SHEET 42

2

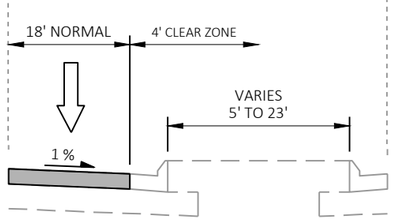


STH 181 STAGING TYPICAL SECTION

STA 214+06 TO STA 215+95.00
STA 232+00.00 TO STA 238+60.00

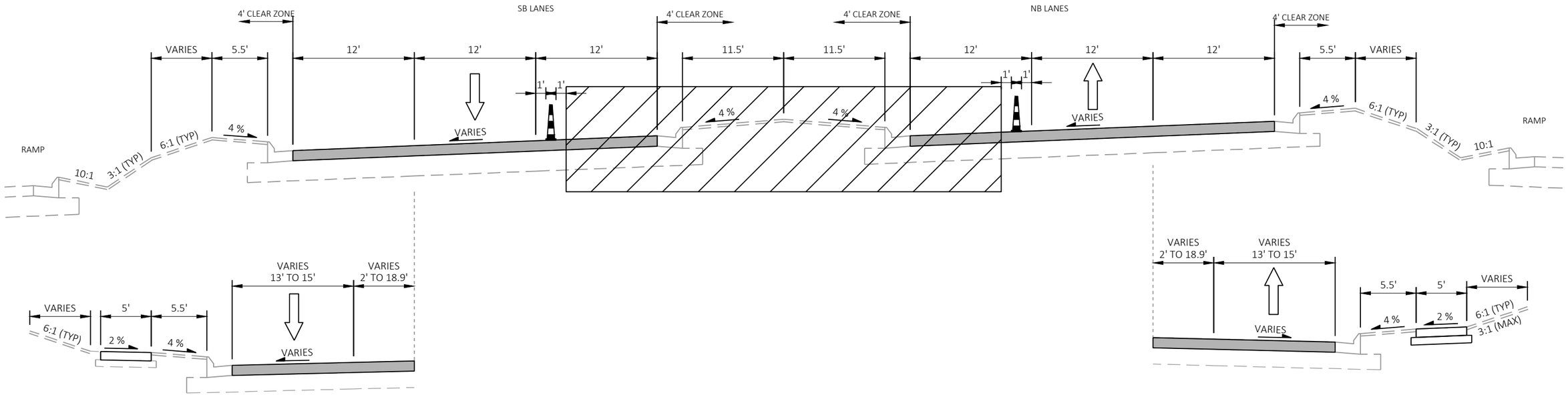


STA 214+06.00 TO STA 214+59.00



STA 214+59.00 TO STA 217+12.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 4B STAGING TYPICAL SECTION	SHEET 495	E

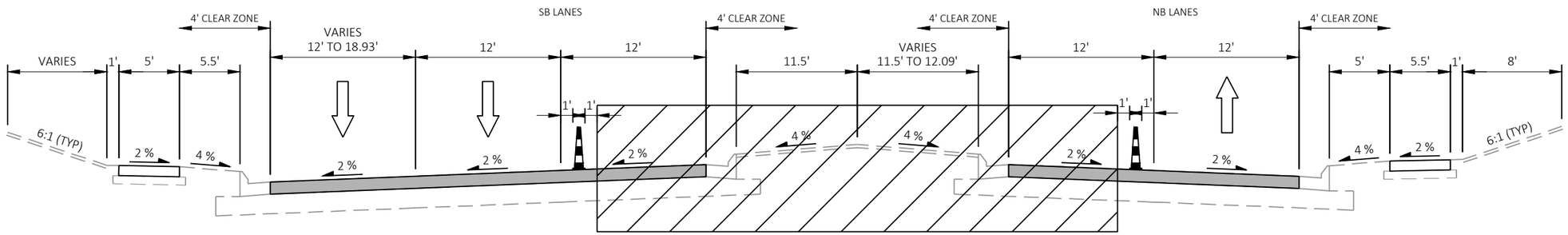


STA 244+62.64 TO STA 246+14.00

STA 242+29.00 TO STA 243+72.58

STH 181 STAGING TYPICAL SECTION, SUPERELAVATED

STA 238+60.00 TO STA 246+14.00



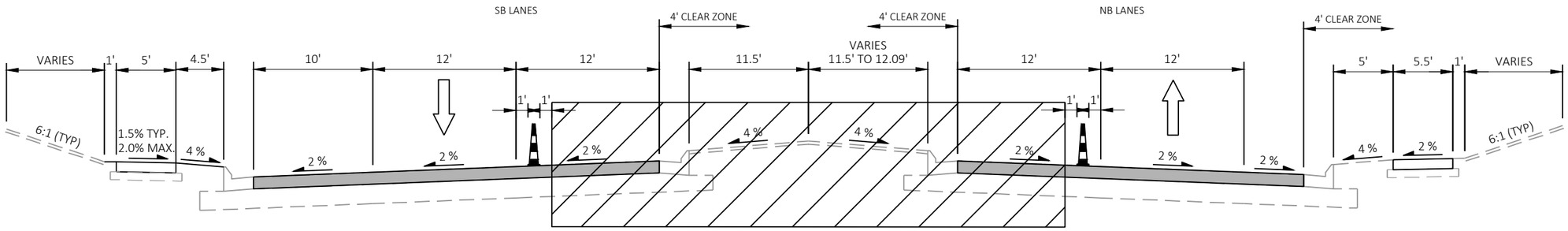
STH 181 STAGING TYPICAL SECTION

STA 246+14.00 TO STA 257+50.00

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 4B STAGING TYPICAL SECTION	SHEET 496	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 4B.DWG PLOT DATE : 4/23/2025 2:00 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 04

2

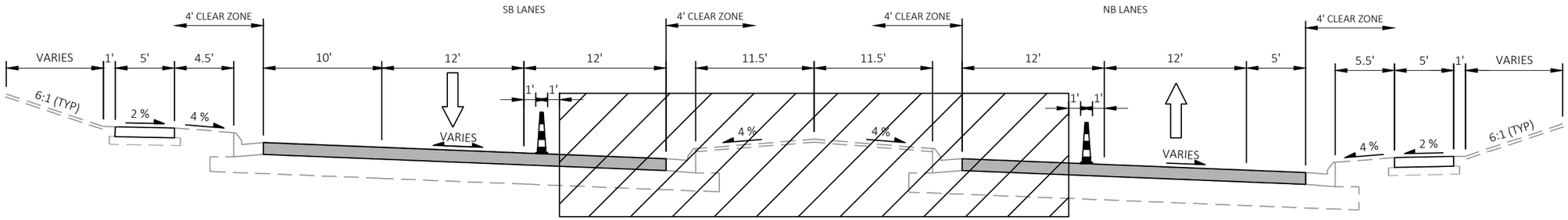


STH 181 STAGING TYPICAL SECTION

STA 257+50 TO STA 271+15
STA 275+82 TO STA 287+11.68

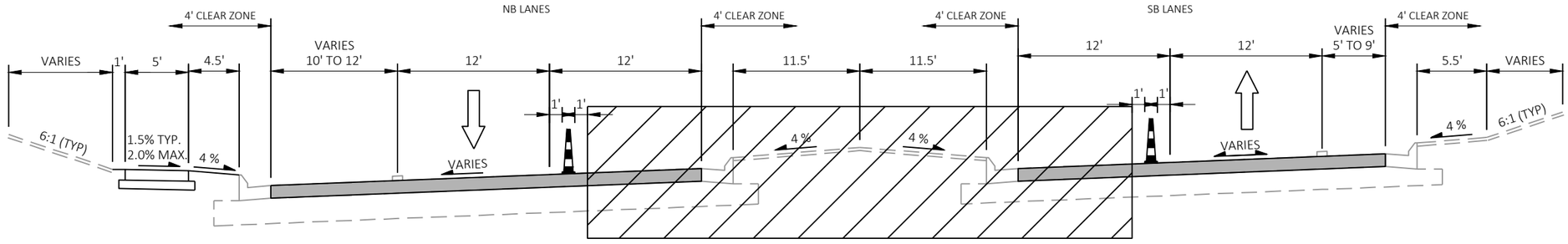
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 4B STAGING TYPICAL SECTION	SHEET 497	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 4B.DWG PLOT DATE : 4/23/2025 2:00 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 05
WISDOT/CADDS SHEET 42



STH 181 STAGING TYPICAL SECTION

STA 271+15.00 TO STA 275+82.00



STH 181 STAGING TYPICAL SECTION, SUPERELEVATED

STA 280+29.00 TO STA 281+00.00

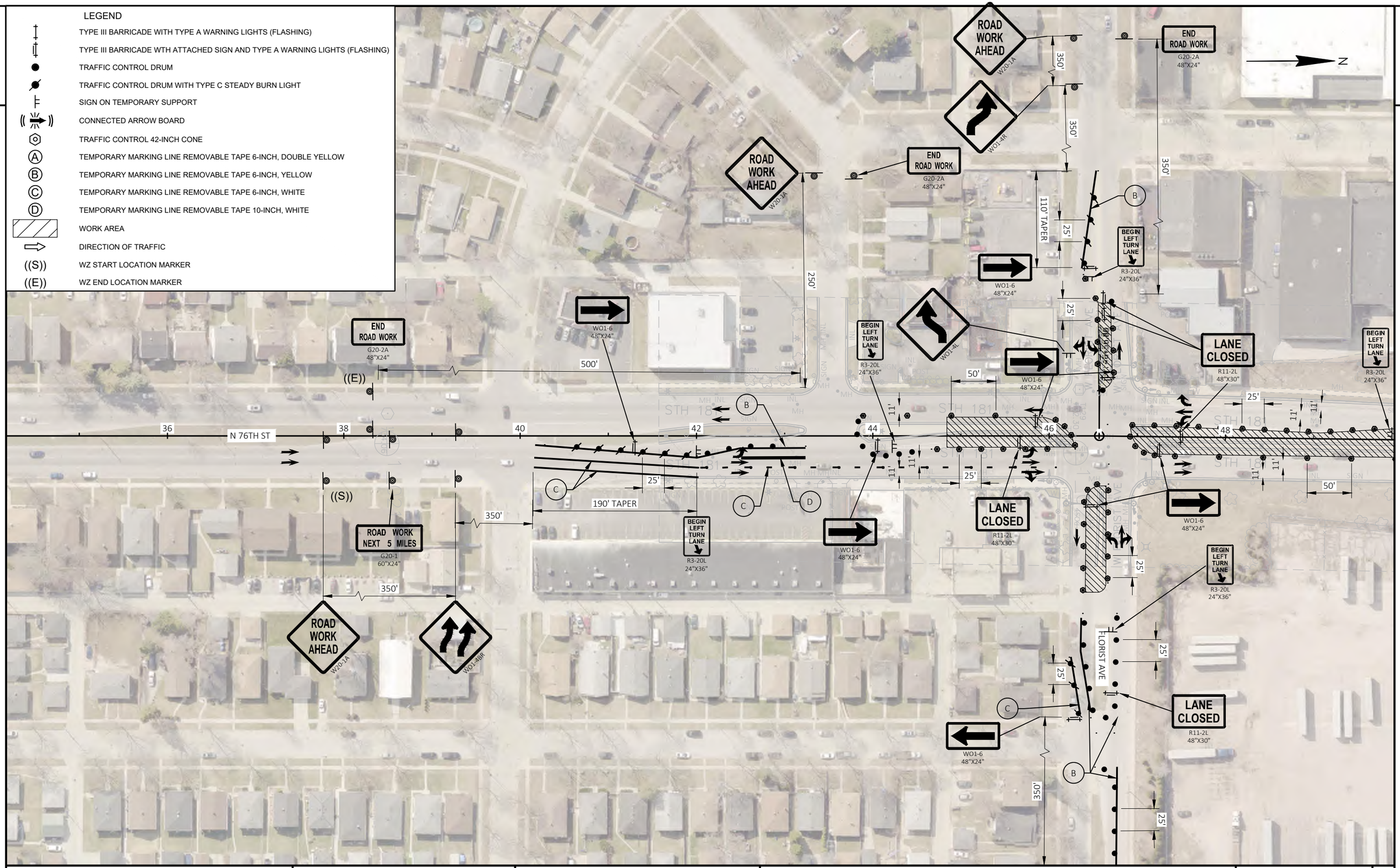
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	STAGE 4B STAGING TYPICAL SECTION	SHEET 498	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC TYPICALS - STAGE 4B.DWG PLOT DATE : 4/23/2025 2:00 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - 06

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 499	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:44 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 01

2

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

N 76TH ST

STH 181 W NATIONAL AVE

FLORIST AVE

50'

50'

50'

11'

11'

11'

11'

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

LANE CLOSED
R11-2L
48"X30"

25'

48'

WO1-6
48"X24"

END ROAD WORK
G20-2A
48"X24"

350'

110' SHIFT

70' SHIFT

ROAD WORK AHEAD
W20-1A

WO1-4R

46'

44'

250'

PROJECT NO: 2140-14-70 | HWY: STH 181 | COUNTY: MILWAUKEE | TRAFFIC CONTROL - STAGE 4B | SHEET 500 | E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:44 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 02_Florist

WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

ROAD WORK AHEAD W20-3A

W01-4R

350'

350'

END ROAD WORK G20-2A 48"X24"

350'

110' TAPER

25'

B

WO1-6 48"X24"

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

25'

WO1-6 48"X24"

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

LANE CLOSED R11-2L 48"X30"

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

50'

11'

25'

44 46 48 50 52 54 56 58

N 76TH ST

STH 181

DOUGLAS AVE

MATCH LINE 56+31.86

N

LANE CLOSED R11-2L 48"X30"

C

WO1-6 48"X24"

LANE CLOSED R11-2L 48"X30"

WO1-6 48"X24"

50'

50'

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

25'

25'

FLORIST AVE

B

C

WO1-6 48"X24"

B

350'

25'

UP RR

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 501	E

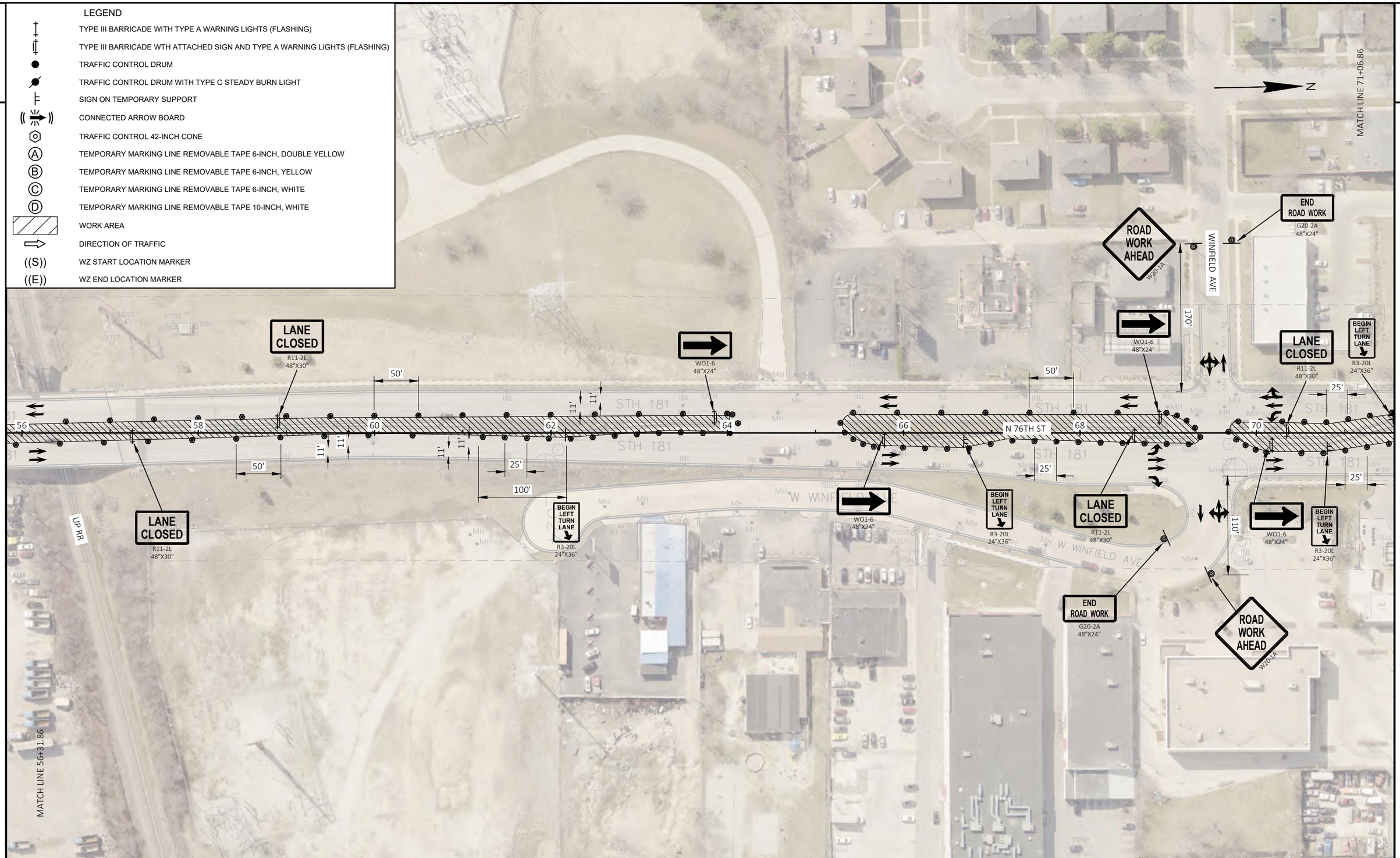
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:44 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT

LAYOUT NAME - 02

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 502	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:44 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 03

WISDOT/CADDS SHEET 42

2

2

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

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

WO1-6
48"X24"

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

MATCH LINE 85+81.86

ACACIA ST

CLOVERNOOK ST

N 76TH ST

CTH S MILL RD

MATCH LINE 71+06.86

25'
50'
100'
350'
11'

72
74
76
78
80
82
84
86

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 503	E

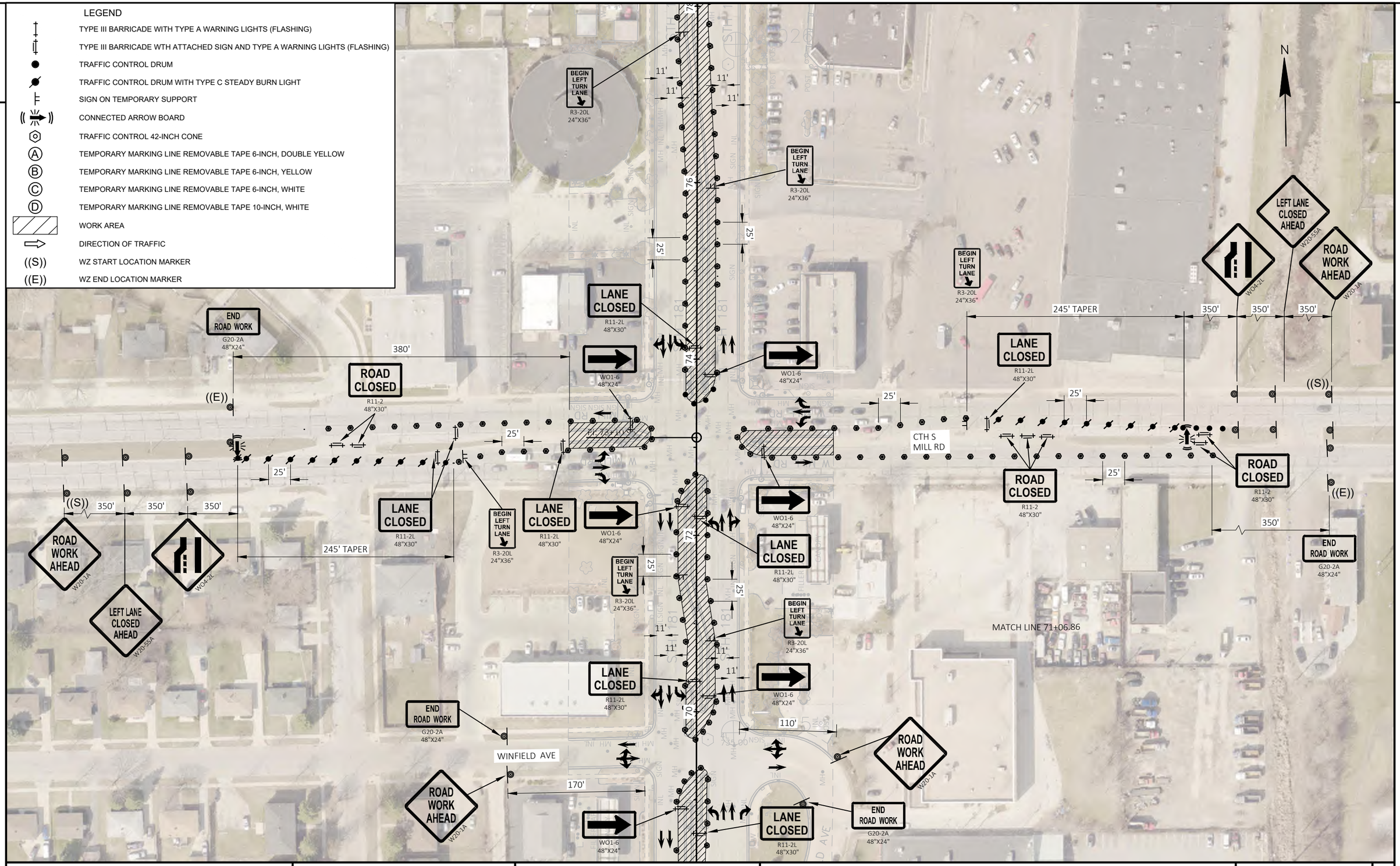
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:45 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 04

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 504	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:45 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 05_Mill

WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ACACIA ST

WO1-6
48"X24"

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

100'

25'

50'

11'

11'

11'

11'

86

88

90

92

94

N 76TH ST

96

98

100

STH 181

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

370'

MATCH LINE 85+81.86

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

GREEN TREE RD

END ROAD WORK
G20-2A
48"X24"

MATCH LINE 100+

N

PI: 99+70.27

LANE CLOSED
R11-2L
48"X30"

50'

25'

100'

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

WO1-6
48"X24"

335'

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

LEGEND

	TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	SIGN ON TEMPORARY SUPPORT
	CONNECTED ARROW BOARD
	TRAFFIC CONTROL 42-INCH CONE
A	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
B	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
C	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
D	TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
	WORK AREA
	DIRECTION OF TRAFFIC
((S))	WZ START LOCATION MARKER
((E))	WZ END LOCATION MARKER

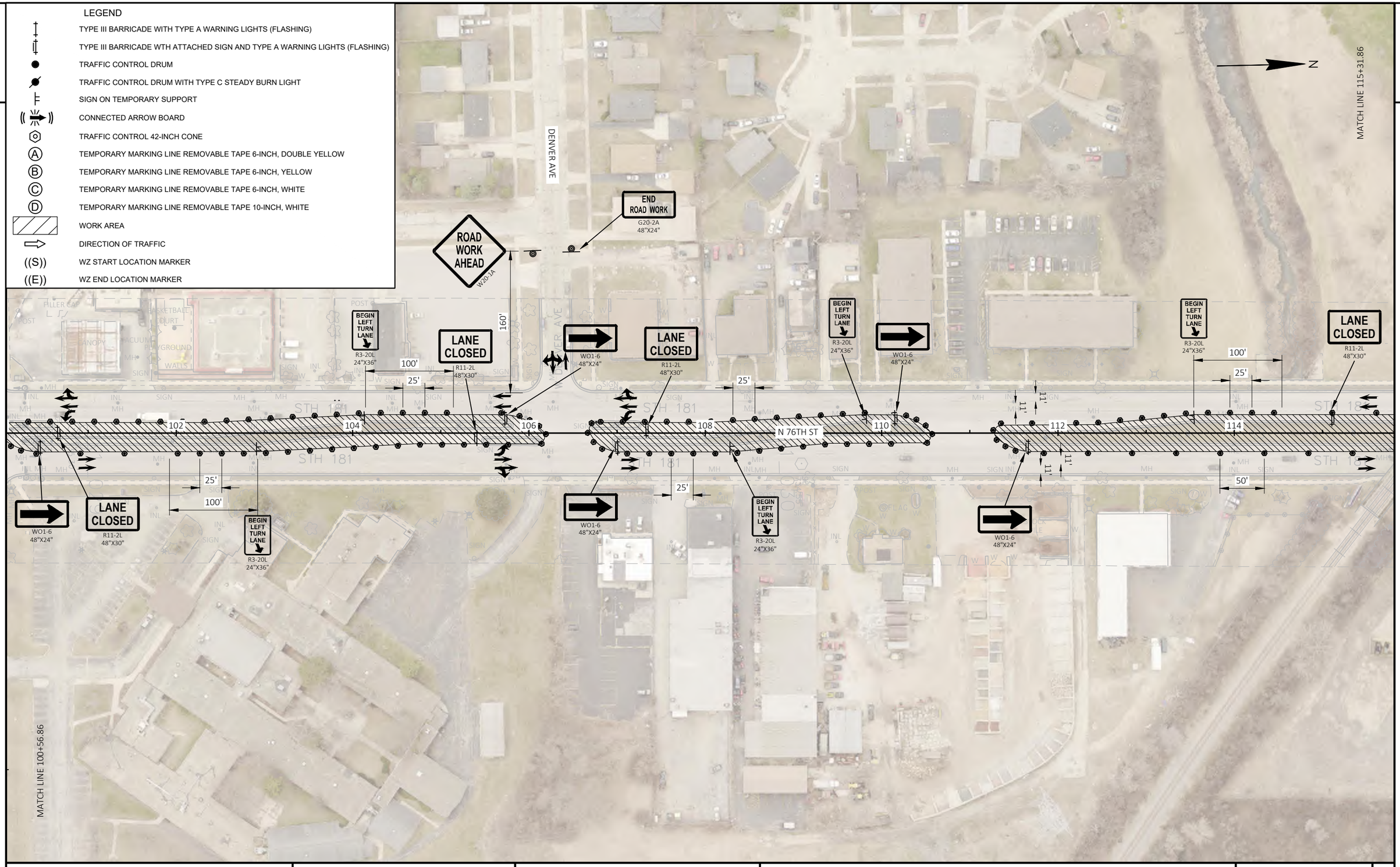
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 505	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:45 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 06

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 506	E

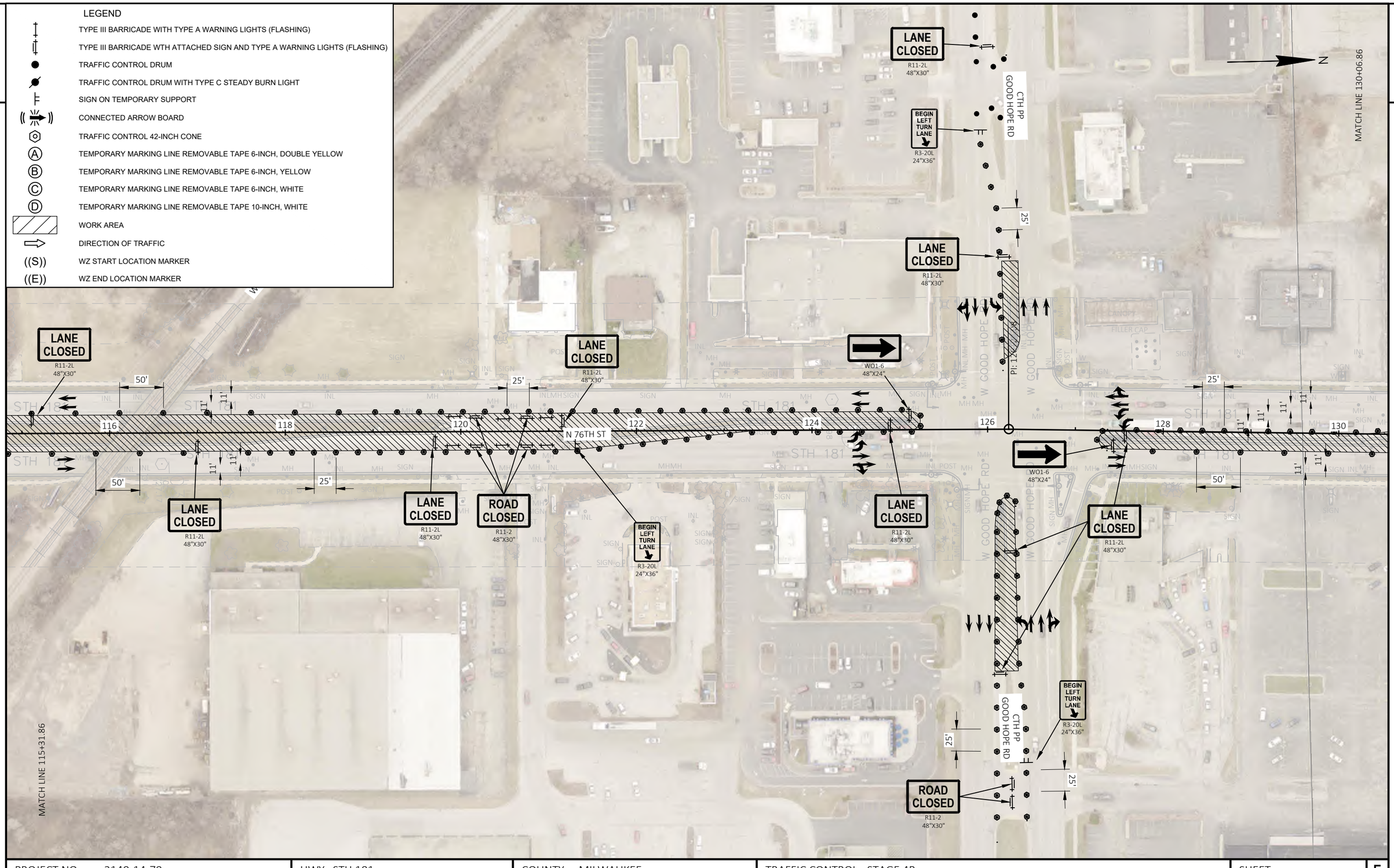
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LAYOUT NAME - 07

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 507	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:45 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 08

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

ROAD WORK AHEAD
W20-1A

LEFT LANE CLOSED AHEAD
W20-5SA

W04-2L

((S))

350' 350' 350'

320' TAPER

25'

LANE CLOSED
R11-2L
48"X30"

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

25'

25'

WO1-6
48"X24"

END ROAD WORK
G20-2A
48"X24"

((E))

500'

25'

CTH PP
GOOD HOPE RD

LANE CLOSED
R11-2L
48"X30"

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

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

24.08

WO1-6
48"X24"

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

130

128

126

124

122

11'

11'

25'

25'

11'

11'

25'

STH 181

N 76TH ST

2

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 508 E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:45 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - GoodHope1

2

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

STH 181

130
128
126
124
122

11'
11'
50'
11'
11'

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

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

25'
25'

CTH PP
GOOD HOPE RD

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

500'

ROAD WORK AHEAD
W20-1A

((S))

500'

((E))

END ROAD WORK
G20-2A
48"X24"

T122
734.01

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 509	E

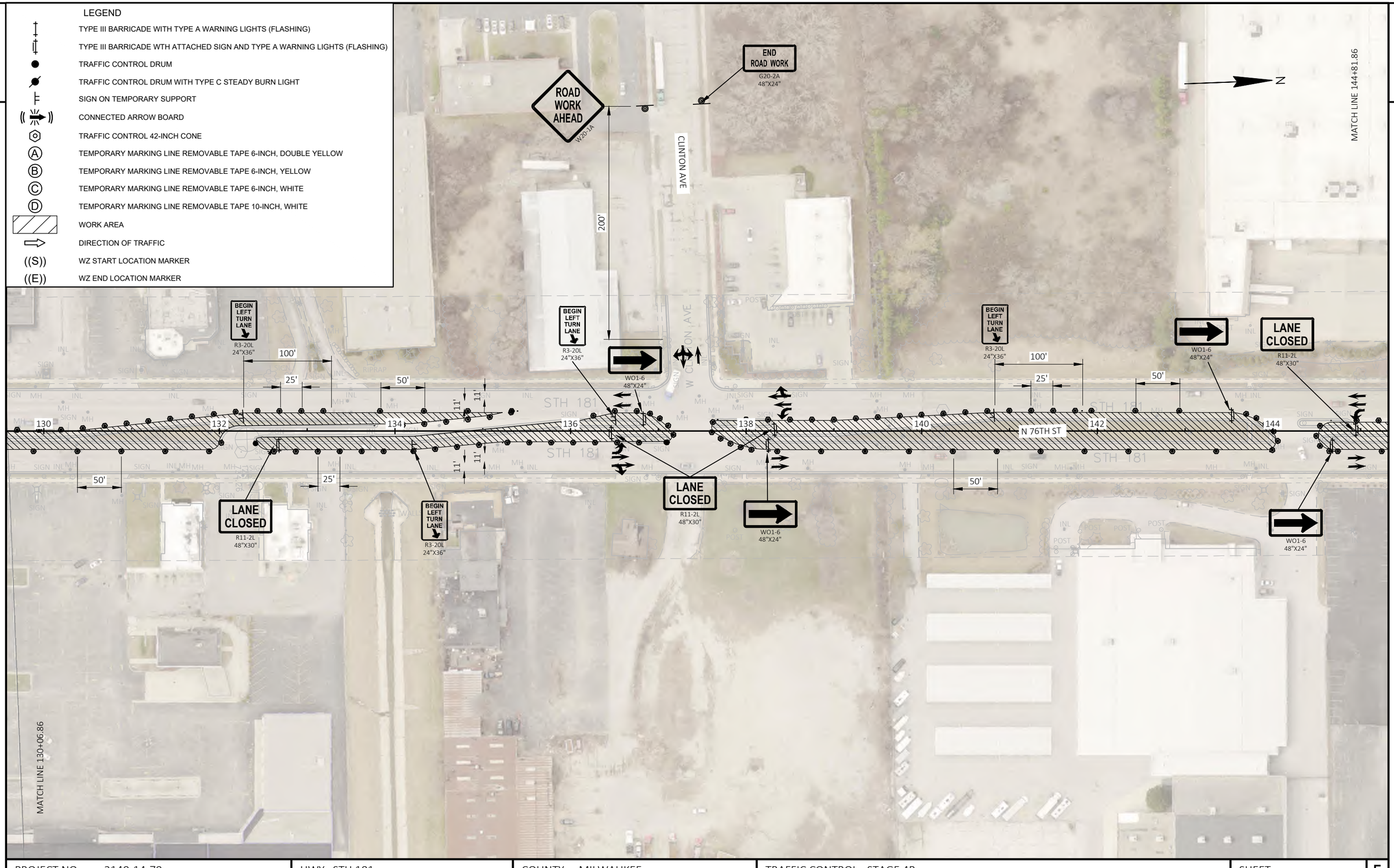
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:45 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - GoodHope2

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 510	E

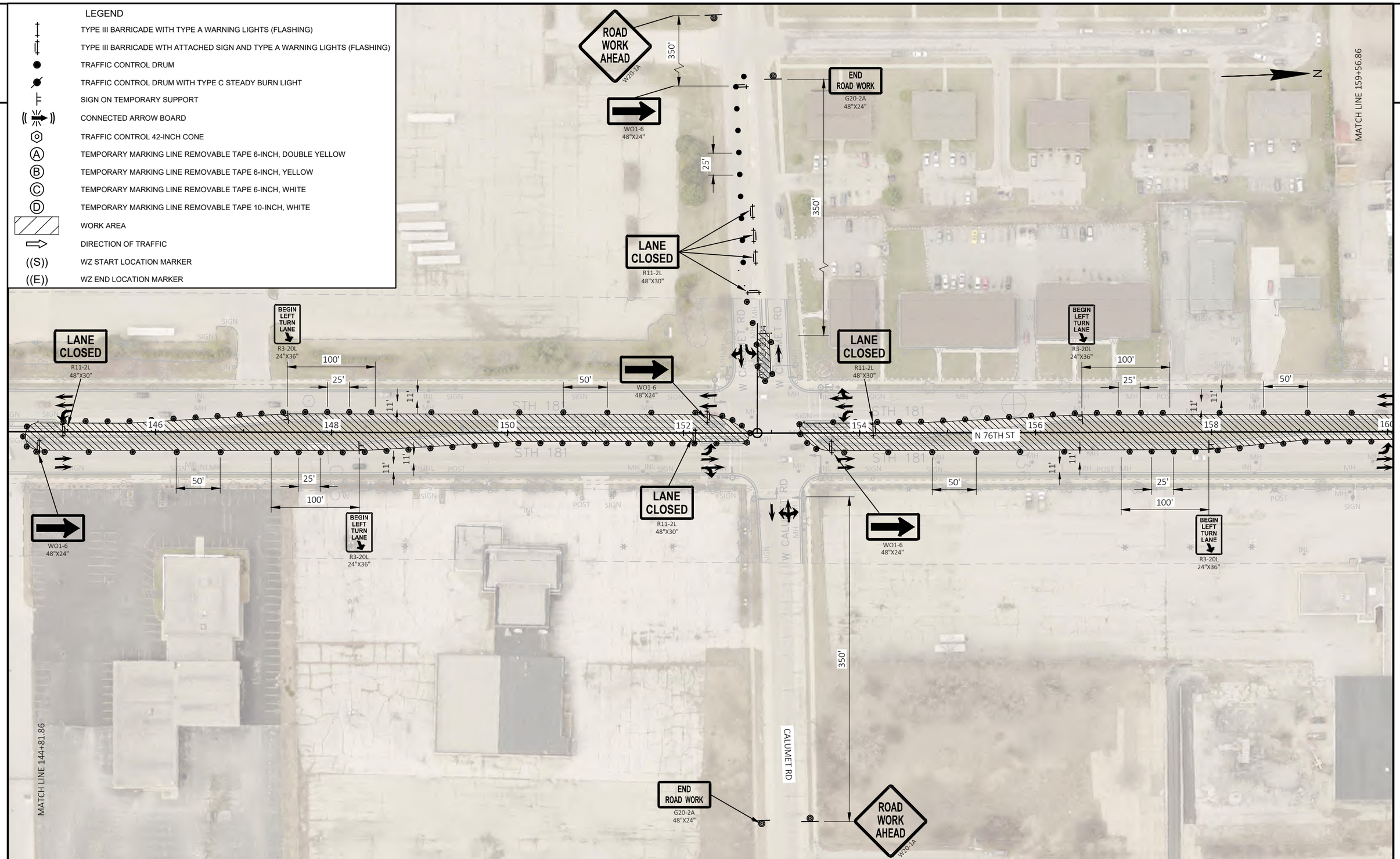
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:45 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 09

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 511	E

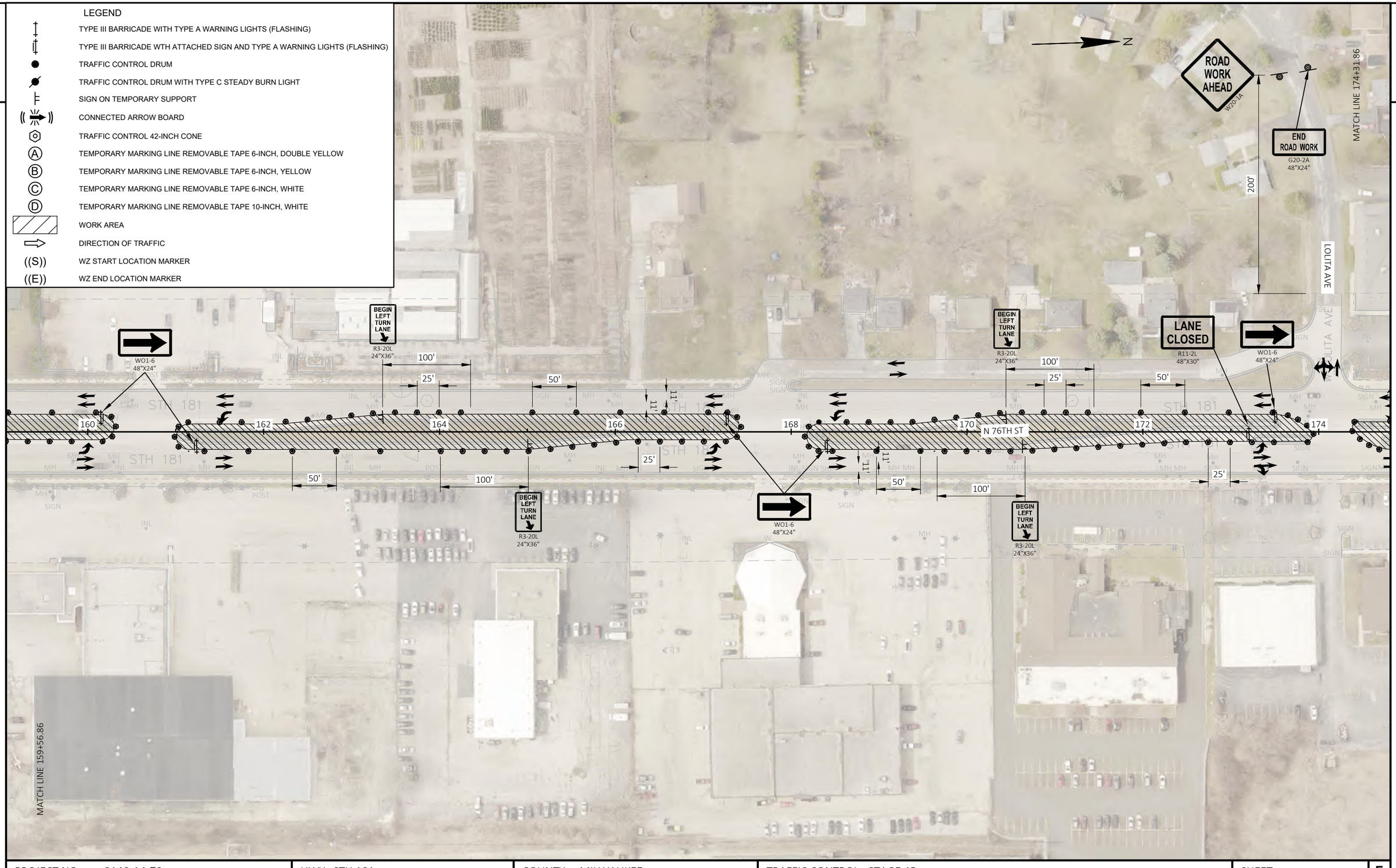
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:45 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 10

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 512	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:45 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 11

WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A
350'
END ROAD WORK
G20-2A
48"X24"
LANE CLOSED
R11-2L
48"X30"
350'
BRADLEY RD
LOLITA AVE
END ROAD WORK
G20-2A
48"X24"
LANE CLOSED
R11-2L
48"X30"
BEGIN LEFT TURN LANE
R3-20L
24"X36"
WO1-6
48"X24"
WO1-6
48"X24"
25'
174
176
178
180
182
184
186
188
N 76TH ST
STH 181
11'
25'
LANE CLOSED
R11-2L
48"X30"
WO1-6
48"X24"
LANE CLOSED
R11-2L
48"X30"
BEGIN LEFT TURN LANE
R3-20L
24"X36"
WO1-6
48"X24"
LANE CLOSED
R11-2L
48"X30"
BEGIN LEFT TURN LANE
R3-20L
24"X36"
ROAD CLOSED
R11-2
48"X30"
LANE CLOSED
R11-2L
48"X30"
125'
350'
350'
ROAD WORK AHEAD
W20-1A
END ROAD WORK
G20-2A
48"X24"
MATCH LINE 174+31.86
ROAD WORK AHEAD
W20-1A
200'
TOWER AVE
END ROAD WORK
G20-2A
48"X24"
WO3-1
300'
STOP
R1-1
36"X36"
WO1-6
48"X24"
BEGIN LEFT TURN LANE
R3-20L
24"X36"
LANE CLOSED
R11-2L
48"X30"
WO1-6
48"X24"
LANE CLOSED
R11-2L
48"X30"
50'
MATCH LINE 189+06.86
N

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 513	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:45 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 12

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

MATCH LINE 203+81.86

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

100'

25'

UP RR

LANE CLOSED
R11-2L
48"X30"

11'

11'

50'

STH 181

190 192 194 196 198 N 76TH ST 200 202 204

11'

11'

50'

LANE CLOSED
R11-2L
48"X30"

25'

100'

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

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

MATCH LINE 189+06.86

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 514	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:46 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 13

WISDOT/CADDS SHEET 42

2

2

MATCH LINE 218+56.86

N

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

200'

WO1-6
48"X24"

50'

204

25'

PC: 205+93.65

206

LANE CLOSED
R11-2L
48"X30"

W DRAPER RD

200'

WO1-6
48"X24"

208

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

100'

25'

50'

210

11'

11'

50'

212

PT: 212+81.69

WO1-6
48"X24"

214

N 76TH ST

216

218

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

PC: 217+15.25

100'

50'

25'

50'

WO1-6
48"X24"

76TH PL

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

END ROAD WORK
G20-2A
48"X24"

SERVITE DR

ROAD WORK AHEAD
W20-1A

LEGEND

	TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
	TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	SIGN ON TEMPORARY SUPPORT
	CONNECTED ARROW BOARD
	TRAFFIC CONTROL 42-INCH CONE
A	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
B	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
C	TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
D	TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
	WORK AREA
	DIRECTION OF TRAFFIC
((S))	WZ START LOCATION MARKER
((E))	WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 515	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:46 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 14
WISDOT/CADDS SHEET 42

2

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

N

ROAD WORK AHEAD
W20-1A

BROWN DEER RD SB ENTRANCE RAMP

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

END ROAD WORK
G20-2A
48"X24"

50'

12'

2'

50'

18

220

222

224

226

228

230

232

N 76TH ST

BROWN DEER RD NB EXIT RAMP

BROWN DEER RD

BROWN DEER RD

PT: 231+32.62

STH 181

STH 100

1044

1045

LINE 2 8+55.98

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 516	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:46 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 15

WISDOT/CADDS SHEET 42

2

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

MATCH LINE 248+06.86

N

BROWN DEER RD

STH 100

STH 181

END ROAD WORK
G20-2A
48"X24"

BROWN DEER RD SB EXIT RAMP

W4-3R

LANE CLOSED
R11-2L
48"X30"

PC: 239+34.07

234 236 238 240 242 244 246 248

50' 12' 12' 50' 25' 300' 25'

500'

N 76TH ST

FF: 244+83.22

LANE CLOSED
R11-2L
48"X30"

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

BROWN DEER RD NB ENTRANCE RAMP

ROAD WORK AHEAD
W20-1A

W03-2

YIELD
R1-2
48"X42"

BROWN DEER RD

LINE 239+31.86

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 517	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:46 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 16

WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

ALLYN ST

NORTHRIDGE LAKES BLVD

MATCH LINE 262+81.86

N

WO1-6
48"X24"

WQ1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

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

p.i. 260+11.99

248 250 252 N 76TH ST 254 256 258 260 262

50' 12' 12' 25' 50' 100' 25' 100' 25'

STH 181

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 518	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:46 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 17

WISDOT/CADDS SHEET 42

2

2

FAIRY CHASM DR

ROAD WORK AHEAD
W20-1A

200'

END ROAD WORK
G20-2A
48"X24"

WO1-6
48"X24"

50'

12'

12'

25'

264

266

268

270

N 76TH ST

272

274

276

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

PC: 272+29.23

PT: 274+66.75

ROAD WORK AHEAD
W20-1A

200'

END ROAD WORK
G20-2A
48"X24"

GLENBROOK RD

W GLENBROOK

WO1-6
48"X24"

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

WO1-6
48"X24"

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

N

MATCH LINE 277+56.86

MATCH LINE 262+81.86

STH 181

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 519	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:46 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 18

WISDOT/CADDS SHEET 42

2

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

N

350'

W COUNTY LINE RD

LANE CLOSED
R11-2L
48"X30"

PC: 281+45.75

PT: 284+48.67

WO1-6
48"X24"

EP: 287+11.58

LANE CLOSED
R11-2L
48"X30"

276

278

280

282

284

286

N 76TH ST

STH 181

12'

12'

12'

25'

50'

50'

100'

500'

((E))

W COUNTY LINE RD

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

WO1-6
48"X24"

END ROAD WORK
G20-2A
48"X24"

STOCK PILE

350'

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 520	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\TRAFFIC CONTROL\TC STAGE 4B_INSIDE WORK.DWG PLOT DATE : 4/11/2025 12:46 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:100 FT
LAYOUT NAME - 19

WISDOT/CADDS SHEET 42

2

N

END ROAD WORK
G20-2A
48"X24"

W COUNTY LINE RD

350'

LANE CLOSED
R11-2L
48"X30"

10'

11'

10'

25'

STH 181

N 76TH ST

LANE CLOSED
R11-2L
48"X30"

540' TAPER

50'

ROAD CLOSED
R11-2
48"X30"

ROAD WORK NEXT 5 MILES
G20-1
60"X24"

500'

W04-2L

500'

LEFT LANE CLOSED AHEAD
W20-5SA

500'

ROAD WORK AHEAD
W20-1A

((S))

ORCHARD

RIPRAP

SEPTIC

STOCK PILE

LEGEND

- TYPE III BARRICADE WITH TYPE A WARNING LIGHTS (FLASHING)
- TYPE III BARRICADE WTH ATTACHED SIGN AND TYPE A WARNING LIGHTS (FLASHING)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON TEMPORARY SUPPORT
- CONNECTED ARROW BOARD
- TRAFFIC CONTROL 42-INCH CONE
- (A) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, DOUBLE YELLOW
- (B) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, YELLOW
- (C) TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH, WHITE
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH, WHITE
- WORK AREA
- DIRECTION OF TRAFFIC
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

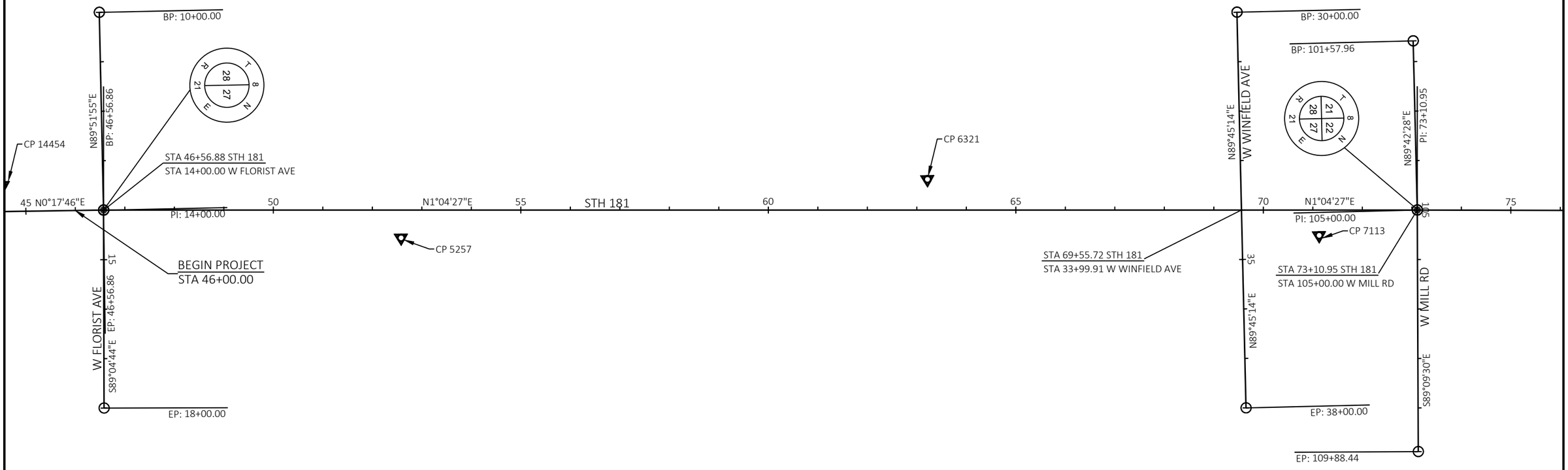
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	TRAFFIC CONTROL - STAGE 4B	SHEET 521	E

2

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
5257	52+57.84	56.12 RT	332357.511	580296.924	750.51	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
6321	63+21.32	61.81 LT	333423.013	580198.958	742.72	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
7113	71+12.70	51.49 RT	334212.136	580327.077	734.50	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
14454	44+54.37	52.69 LT	331555.475	580175.815	732.94	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

N

MATCH LINE 75+71.08



PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	ALIGNMENT DETAILS	SHEET 522	E

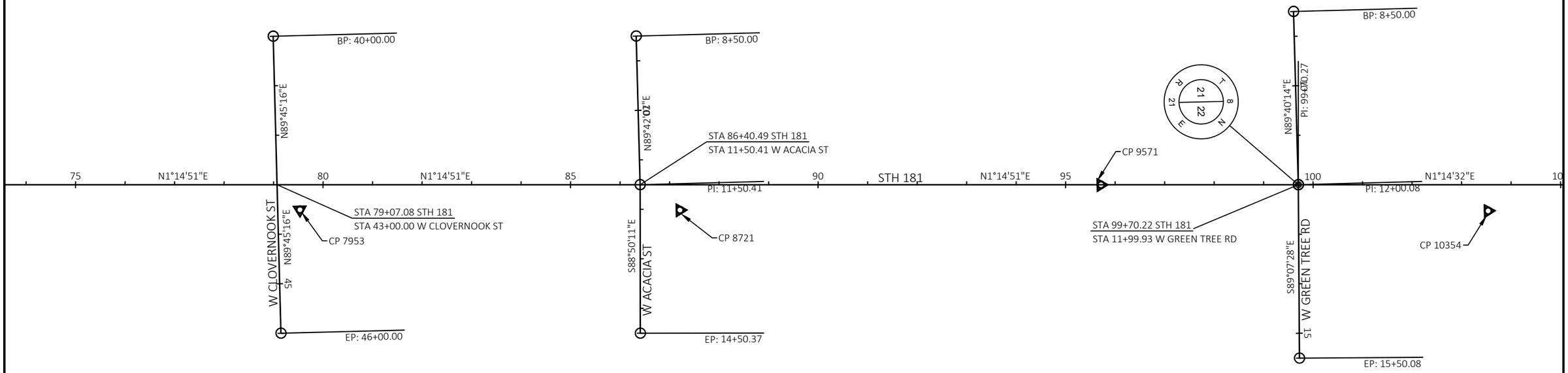
FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 01
PLOT DATE : 4/28/2025 11:57 AM PLOT BY : NICHOLAS TRAUB PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

MATCH LINE 104+56

2

N

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
7953	79+53.01	50.83 RT	335052.112	580344.109	737.92	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
8721	87+20.85	51.40 RT	335819.762	580361.395	739.67	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
9571	95+71.34	0.17 RT	336671.166	580328.693	736.52	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
10354	103+53.48	52.84 RT	337451.982	580398.349	735.79	CP 1 M BERNTSEN FENO MON W/ ALUM CAP



PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	ALIGNMENT DETAILS	SHEET 523	E

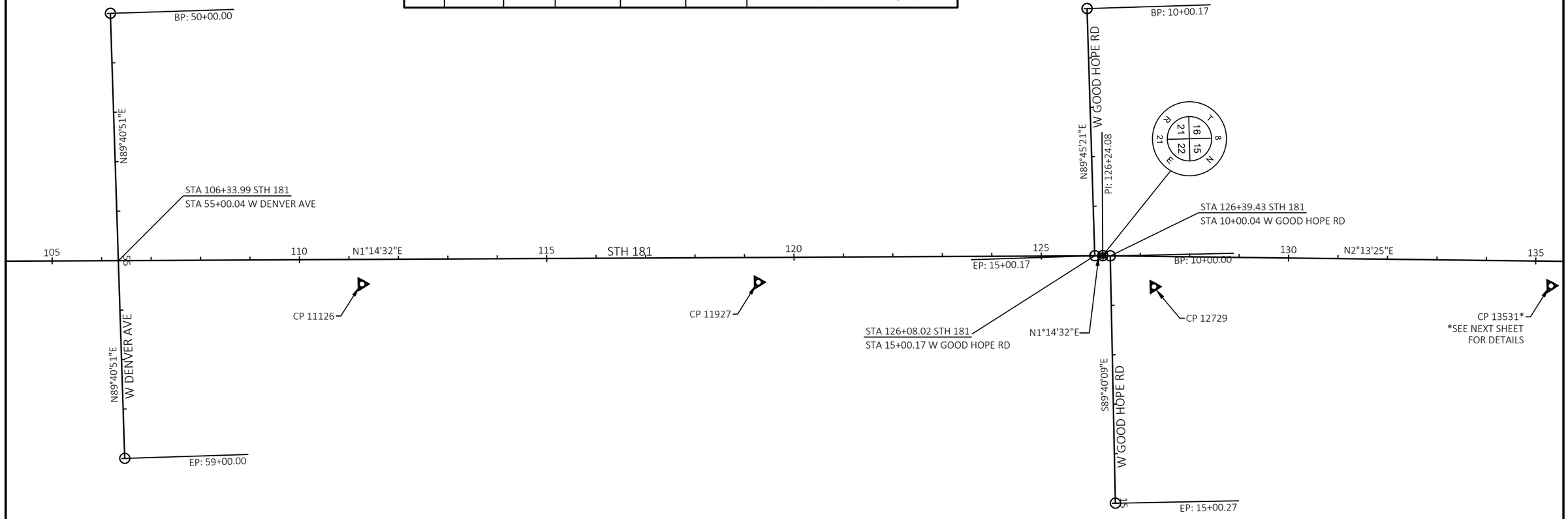
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2

MATCH LINE 135+06

N

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
11126	111+26.36	50.05 RT	338224.736	580412.307	733.62	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
11927	119+27.39	50.27 RT	339025.576	580429.898	731.56	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
12729	127+28.68	61.54 RT	339825.324	580460.286	733.94	CP 1 M BERNTSEN FENO MON W/ ALUM CAP



PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	ALIGNMENT DETAILS	SHEET 524	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 03

PLOT DATE : 4/28/2025 11:58 AM PLOT BY : NICHOLAS TRAUB PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

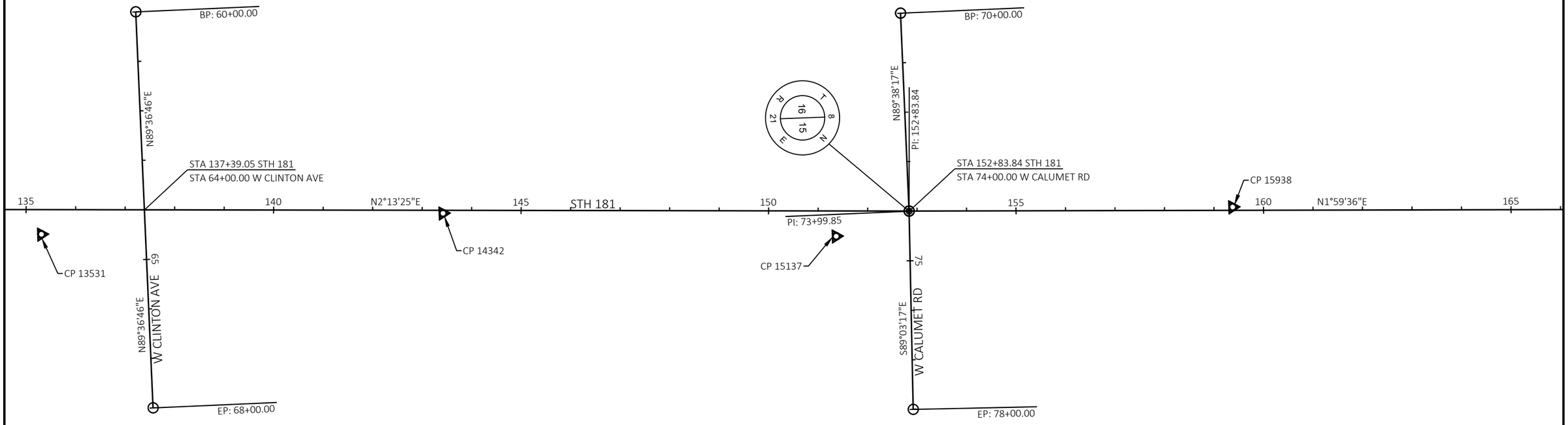
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2

MATCH LINE 165+56

N

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
13531	135+31.00	49.84 RT	340627.494	580479.723	735.80	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
14342	143+42.15	5.95 RT	341439.734	580467.341	745.98	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
15137	151+36.46	51.05 RT	342231.692	580543.228	760.84	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
15938	159+37.42	6.58 LT	343034.362	580514.085	764.10	CP 1 M BERNTSEN FENO MON W/ ALUM CAP



PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	ALIGNMENT DETAILS	SHEET 525	E

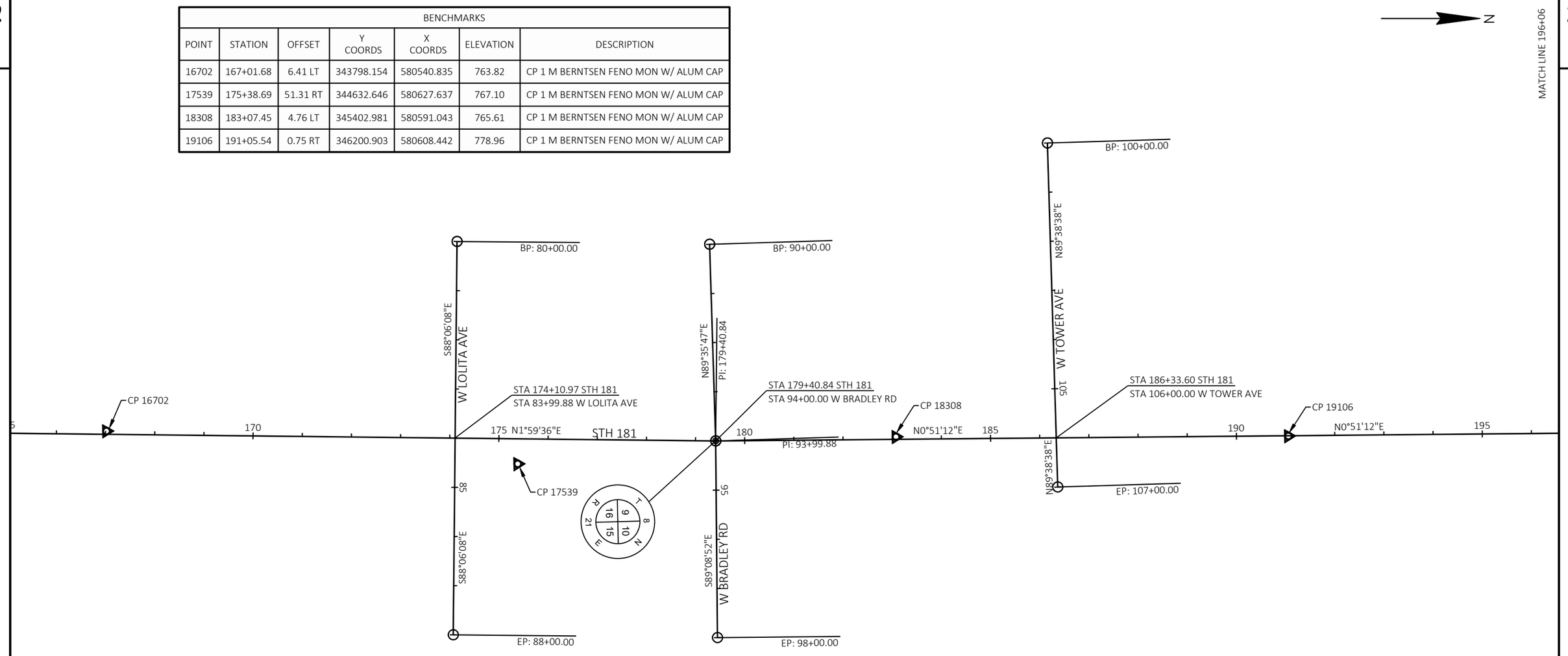
FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 04

PLOT DATE : 4/28/2025 11:58 AM PLOT BY : NICHOLAS TRAUB PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

2

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
16702	167+01.68	6.41 LT	343798.154	580540.835	763.82	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
17539	175+38.69	51.31 RT	344632.646	580627.637	767.10	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
18308	183+07.45	4.76 LT	345402.981	580591.043	765.61	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
19106	191+05.54	0.75 RT	346200.903	580608.442	778.96	CP 1 M BERNTSEN FENO MON W/ ALUM CAP



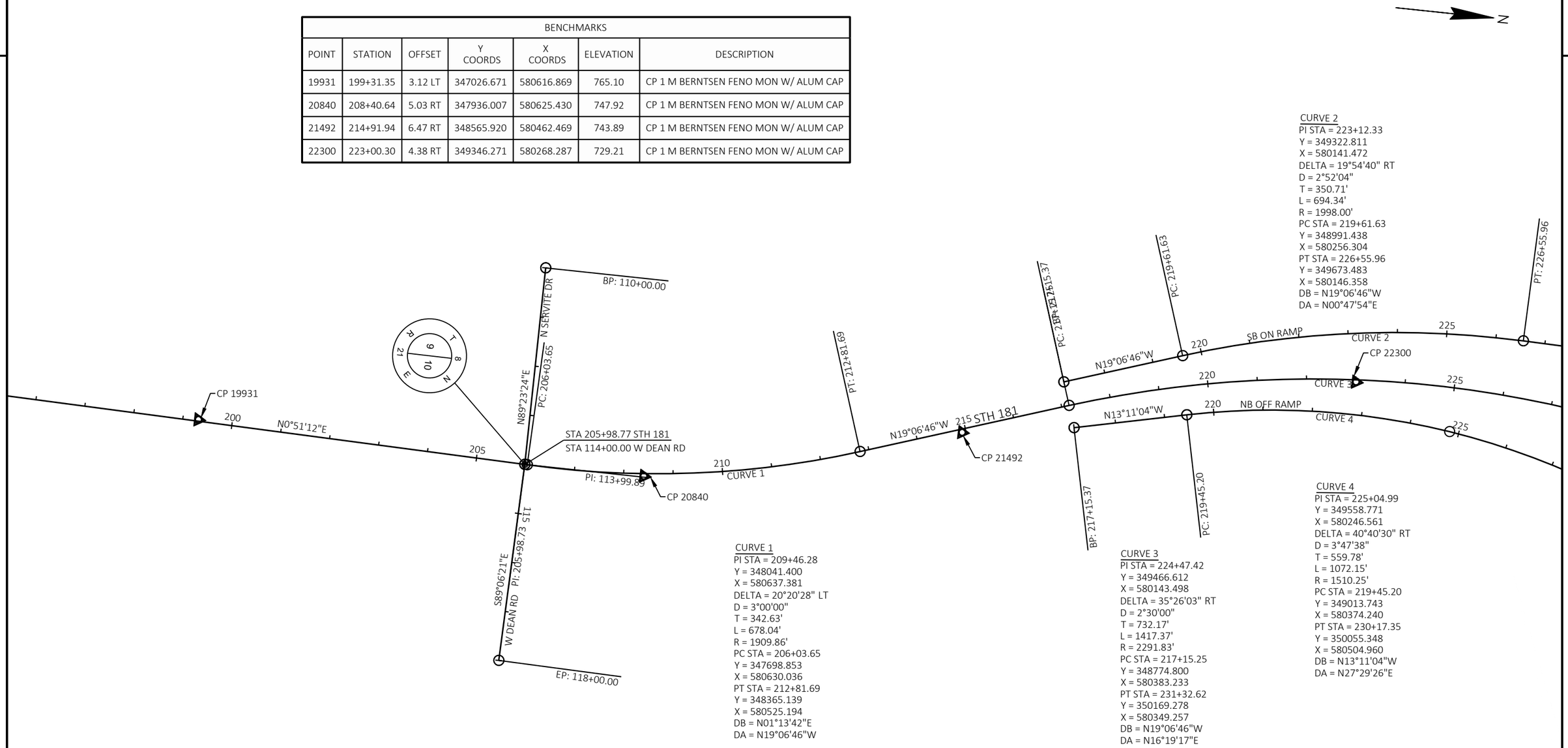
PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	ALIGNMENT DETAILS	SHEET 526	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 05

PLOT DATE : 4/28/2025 11:58 AM PLOT BY : NICHOLAS TRAUB PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
19931	199+31.35	3.12 LT	347026.671	580616.869	765.10	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
20840	208+40.64	5.03 RT	347936.007	580625.430	747.92	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
21492	214+91.94	6.47 RT	348565.920	580462.469	743.89	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
22300	223+00.30	4.38 RT	349346.271	580268.287	729.21	CP 1 M BERNTSEN FENO MON W/ ALUM CAP



PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	ALIGNMENT DETAILS	SHEET 527	E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 06
PLOT DATE : 4/28/2025 11:58 AM PLOT BY : NICHOLAS TRAUB PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

2

MATCH LINE 257+06

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
23144	231+43.87	7.17 LT	350182.084	580345.534	713.10	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
23921	239+20.77	55.83 LT	350941.355	580517.162	701.49	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
24715	247+15.39	7.49 LT	351710.513	580662.219	693.18	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
25523	255+22.80	43.19 RT	352516.722	580729.338	701.24	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

CURVE 5
PI STA = 232+47.47
Y = 350264.928
X = 580154.600
DELTA = 86°36'25" LT
D = 28°21'51"
T = 190.38'
L = 305.34'
R = 202.00'
PC STA = 230+57.09
Y = 350074.569
X = 580151.947
PT STA = 233+62.43
Y = 350278.843
X = 579964.731
DB = N00°47'54"E
DA = N85°48'31"W

CURVE 7
PI STA = 232+84.10
Y = 350398.002
X = 580122.215
DELTA = 52°52'13" LT
D = 179°02'58"
T = 15.91'
L = 29.53'
R = 32.00'
PC STA = 232+68.19
Y = 350397.870
X = 580106.307
PT STA = 232+97.72
Y = 350410.766
X = 580131.713
DB = N89°31'26"E
DA = N36°39'12"E

CURVE 8
PI STA = 235+48.36
Y = 350611.877
X = 580281.298
DELTA = 8°08'44" LT
D = 5°43'46"
T = 71.20'
L = 142.17'
R = 1000.00'
PC STA = 234+77.16
Y = 350554.723
X = 580238.833
PT STA = 236+19.32
Y = 350674.471
X = 580315.237
DB = N36°36'44"E
DA = N28°28'00"E

CURVE 10
PI STA = 241+46.70
Y = 351138.084
X = 580566.610
DELTA = 23°00'24" LT
D = 4°24'27"
T = 264.57'
L = 522.01'
R = 1300.00'
PC STA = 238+82.13
Y = 350905.504
X = 580440.504
PT STA = 244+04.14
Y = 351401.451
X = 580591.784
DB = N28°28'00"E
DA = N05°27'36"E

CURVE 3
PI STA = 224+47.42
Y = 349466.612
X = 580143.498
DELTA = 35°26'03" RT
D = 2°30'00"
T = 732.17'
L = 1417.37'
R = 2291.83'
PC STA = 217+15.25
Y = 348774.800
X = 580383.233
PT STA = 231+32.62
Y = 350169.278
X = 580349.257
DB = N19°06'46"W
DA = N16°19'17"E

CURVE 4
PI STA = 225+04.99
Y = 349558.771
X = 580246.561
DELTA = 40°40'30" RT
D = 3°47'38"
T = 559.78'
L = 1072.15'
R = 1510.25'
PC STA = 219+45.20
Y = 349013.743
X = 580374.240
PT STA = 230+17.35
Y = 350055.348
X = 580504.960
DB = N13°11'04"W
DA = N27°29'26"E

CURVE 6
PI STA = 232+88.90
Y = 350296.236
X = 580630.308
DELTA = 62°01'55" RT
D = 179°02'58"
T = 19.24'
L = 34.65'
R = 32.00'
PC STA = 232+69.66
Y = 350279.169
X = 580621.427
PT STA = 233+04.31
Y = 350296.396
X = 580649.547
DB = N27°29'26"E
DA = N89°31'21"E

CURVE 9
PI STA = 234+86.07
Y = 350425.317
X = 580705.548
DELTA = 85°40'55" RT
D = 37°41'41"
T = 140.96'
L = 227.31'
R = 152.00'
PC STA = 233+45.11
Y = 350411.844
X = 580845.858
PT STA = 235+72.42
Y = 350566.243
X = 580708.418
DB = N84°30'54"W
DA = N01°10'01"E

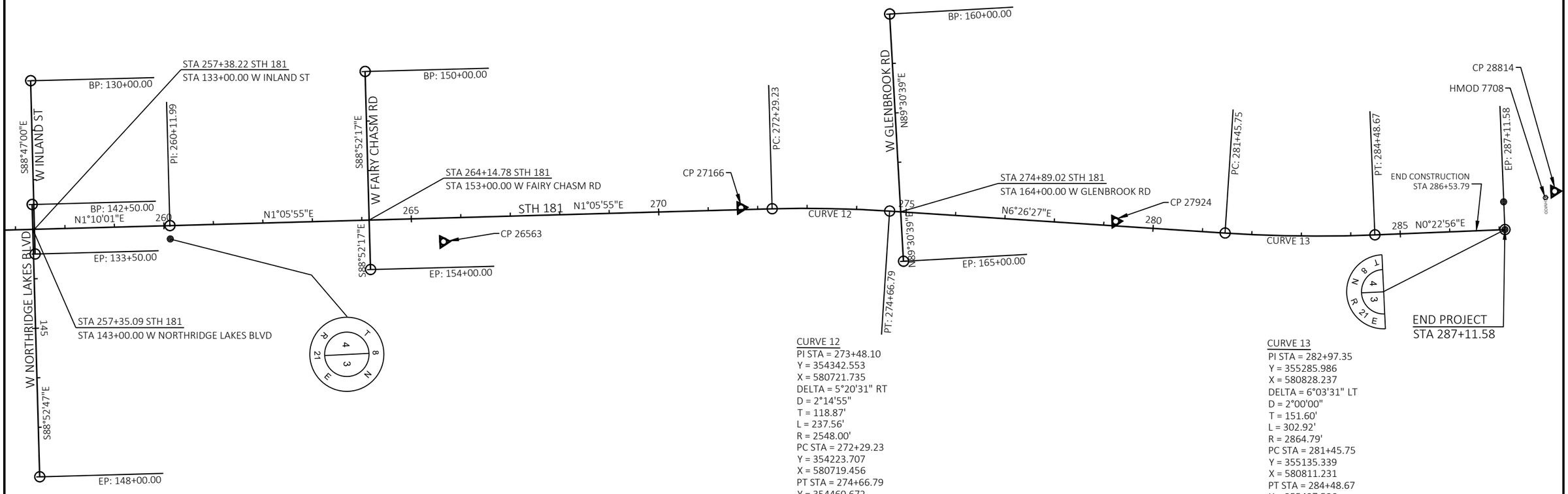
CURVE 11
PI STA = 242+38.12
Y = 351230.228
X = 580659.930
DELTA = 15°09'16" LT
D = 3°00'00"
T = 254.06'
L = 505.15'
R = 1909.86'
PC STA = 239+84.07
Y = 350986.408
X = 580588.534
PT STA = 244+89.22
Y = 351484.233
X = 580665.104
DB = N16°19'17"E
DA = N01°10'01"E

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	ALIGNMENT DETAILS	SHEET 528 E

FILE NAME : C:\USERS\NICHOLASTRAUB\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 07
PLOT DATE : 4/28/2025 11:58 AM PLOT BY : NICHOLAS TRAUB PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

2

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
7708	0+00.00	0.00	355785.430	580770.099	683.98	HMOD DE7708
26563	265+63.67	47.83 RT	353557.352	580754.510	705.29	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
27166	271+66.16	3.99 LT	354160.722	580714.254	706.36	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
27924	279+23.56	8.98 LT	354915.565	580777.383	700.97	CP 1 M BERNTSEN FENO MON W/ ALUM CAP
28814	0+00.00	0.00	355804.375	580758.443	683.47	CP 1 M BERNTSEN FENO MON W/ ALUM CAP



CURVE 12
PI STA = 273+48.10
Y = 354342.553
X = 580721.735
DELTA = 5°20'31" RT
D = 2°14'55"
T = 118.87'
L = 237.56'
R = 2548.00'
PC STA = 272+29.23
Y = 354223.707
X = 580719.456
PT STA = 274+66.79
Y = 354460.672
X = 580735.069
DB = N01°05'55"E
DA = N06°26'27"E

CURVE 13
PI STA = 282+97.35
Y = 355285.986
X = 580828.237
DELTA = 6°03'31" LT
D = 2°00'00"
T = 151.60'
L = 302.92'
R = 2864.79'
PC STA = 281+45.75
Y = 355135.339
X = 580811.231
PT STA = 284+48.67
Y = 355437.586
X = 580829.249
DB = N06°26'27"E
DA = N00°22'56"E

PROJECT NO: 2140-14-00	HWY: STH 181	COUNTY: MILWAUKEE	ALIGNMENT DETAILS	SHEET 529	E

2140-14-70

Line	Item	Item Description	Unit	Total	Qty
0002	204.0100	Removing Concrete Pavement	SY	310.000	310.000
0004	204.0110	Removing Asphaltic Surface	SY	1,030.000	1,030.000
0006	204.0115	Removing Asphaltic Surface Butt Joints	SY	520.000	520.000
0008	204.0120	Removing Asphaltic Surface Milling	SY	208,740.000	208,740.000
0010	204.0150	Removing Curb & Gutter	LF	3,550.000	3,550.000
0012	204.0155	Removing Concrete Sidewalk	SY	3,290.000	3,290.000
0014	204.0165	Removing Guardrail	LF	1,140.000	1,140.000
0016	204.0195	Removing Concrete Bases	EACH	178.000	178.000
0018	204.0220	Removing Inlets	EACH	2.000	2.000
0020	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	45.000	45.000
0022	204.9060.S	Removing (item description) 01. Traffic Signals STH 181 at Florist Ave	EACH	1.000	1.000
0024	204.9060.S	Removing (item description) 02. Traffic Signals STH 181 at Mill Rd	EACH	1.000	1.000
0026	204.9060.S	Removing (item description) 03. Traffic Signals STH 181 at Acacia St	EACH	1.000	1.000
0028	204.9060.S	Removing (item description) 04. Traffic Signals STH 181 at Green Tree Rd	EACH	1.000	1.000
0030	204.9060.S	Removing (item description) 05. Traffic Signals STH 181 at Good Hope Rd	EACH	1.000	1.000
0032	204.9060.S	Removing (item description) 06. Traffic Signals STH 181 at Calumet Rd	EACH	1.000	1.000
0034	204.9060.S	Removing (item description) 07. Traffic Signals STH 181 at Bradley Rd	EACH	1.000	1.000
0036	204.9060.S	Removing (item description) 08. Traffic Signals STH 181 at Tower Rd	EACH	1.000	1.000
0038	204.9060.S	Removing (item description) 09. Traffic Signals STH 181 at Servite/Dean Rd	EACH	1.000	1.000
0040	204.9060.S	Removing (item description) 10. Traffic Signals STH 181 at Northridge Dr	EACH	1.000	1.000
0042	204.9060.S	Removing (item description) 11. Traffic Signals STH 181 at Northridge Lakes Blvd	EACH	1.000	1.000
0044	204.9060.S	Removing (item description) 12. Loop Detector Wire and Lead-In Cable STH 181 at Florist Ave	EACH	1.000	1.000
0046	204.9060.S	Removing (item description) 13. Loop Detector Wire and Lead-In Cable STH 181 at Mill Rd	EACH	1.000	1.000
0048	204.9060.S	Removing (item description) 14. Loop Detector Wire and Lead-In Cable STH 181 at Acacia St	EACH	1.000	1.000
0050	204.9060.S	Removing (item description) 15. Loop Detector Wire and Lead-In Cable STH 181 at Green Tree Rd	EACH	1.000	1.000
0052	204.9060.S	Removing (item description) 16. Loop Detector Wire and Lead-In Cable STH 181 at Good Hope Rd	EACH	1.000	1.000
0054	204.9060.S	Removing (item description) 17. Loop Detector Wire and Lead-In Cable STH 181 at Calumet Rd	EACH	1.000	1.000
0056	204.9060.S	Removing (item description) 18. Loop Detector Wire and Lead-In Cable STH 181 at Bradley Rd	EACH	1.000	1.000
0058	204.9060.S	Removing (item description) 19. Loop Detector Wire and Lead-In Cable STH 181 at Tower Ave	EACH	1.000	1.000
0060	204.9060.S	Removing (item description) 20. Loop Detector Wire and Lead-In Cable STH 181 at Servite/Dean Rd	EACH	1.000	1.000
0062	204.9060.S	Removing (item description) 21. Loop Detector Wire and Lead-In Cable STH 181 at Northridge Dr	EACH	1.000	1.000
0064	204.9060.S	Removing (item description) 22. Loop Detector Wire and Lead-In Cable STH 181 at Northridge Lakes Blvd	EACH	1.000	1.000
0066	204.9060.S	Removing (item description) 23. Loop Detector Wire and Lead-In Cable STH 181 at STH 100	EACH	1.000	1.000
0068	205.0100	Excavation Common	CY	1,360.000	1,360.000
0070	206.5001	Cofferdams (structure) 01. C-40-0053	EACH	1.000	1.000
0072	208.0100	Borrow	CY	170.000	170.000
0074	208.1100	Select Borrow	CY	90.000	90.000
0076	213.0100	Finishing Roadway (project) 01. 2140-14-70	EACH	1.000	1.000
0078	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	1,422.000	1,422.000

2140-14-70

Line	Item	Item Description	Unit	Total	Qty
0080	390.0405	Base Patching Concrete SHES	CY	85.000	85.000
0082	416.0610	Drilled Tie Bars	EACH	350.000	350.000
0084	416.0620	Drilled Dowel Bars	EACH	408.000	408.000
0086	416.1715	Concrete Pavement Repair SHES	SY	1,025.000	1,025.000
0088	450.4000	HMA Cold Weather Paving	TON	3,920.000	3,920.000
0090	455.0605	Tack Coat	GAL	29,300.000	29,300.000
0092	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000
0094	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000
0096	460.2005	Incentive Density PWL HMA Pavement	DOL	50,230.000	50,230.000
0098	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	16,380.000	16,380.000
0100	460.2010	Incentive Air Voids HMA Pavement	DOL	25,810.000	25,810.000
0102	460.6223	HMA Pavement 3 MT 58-28 S	TON	28,250.000	28,250.000
0104	460.6224	HMA Pavement 4 MT 58-28 S	TON	21,972.000	21,972.000
0106	465.0110	Asphaltic Surface Patching	TON	717.000	717.000
0108	509.1500	Concrete Surface Repair	SF	200.000	200.000
0110	522.0412	Culvert Pipe Reinforced Concrete Class IV 12-Inch	LF	44.000	44.000
0112	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	610.000	610.000
0114	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	147.000	147.000
0116	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	2,143.000	2,143.000
0118	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	640.000	640.000
0120	601.0600	Concrete Curb Pedestrian	LF	467.000	467.000
0122	602.0410	Concrete Sidewalk 5-Inch	SF	36,153.000	36,153.000
0124	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	1,232.000	1,232.000
0126	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	150.000	150.000
0128	606.0100	Riprap Light	CY	10.000	10.000
0130	611.0624	Inlet Covers Type H	EACH	2.000	2.000
0132	611.3004	Inlets 4-FT Diameter	EACH	1.000	1.000
0134	611.3230	Inlets 2x3-FT	EACH	1.000	1.000
0136	611.8110	Adjusting Manhole Covers	EACH	232.000	232.000
0138	611.8115	Adjusting Inlet Covers	EACH	8.000	8.000
0140	611.8120.S	Cover Plates Temporary	EACH	417.000	417.000
0142	611.9710	Salvaged Inlet Covers	EACH	2.000	2.000
0144	614.2300	MGS Guardrail 3	LF	500.000	500.000
0146	614.2330	MGS Guardrail 3 K	LF	325.000	325.000
0148	614.2500	MGS Thrie Beam Transition	LF	4.000	4.000
0150	614.2610	MGS Guardrail Terminal EAT	EACH	3.000	3.000
0152	614.2620	MGS Guardrail Terminal Type 2	EACH	1.000	1.000
0154	616.0204	Fence Chain Link 4-FT	LF	72.000	72.000
0156	619.1000	Mobilization	EACH	1.000	1.000
0158	620.0300	Concrete Median Sloped Nose	SF	154.000	154.000
0160	625.0100	Topsoil	SY	4,437.000	4,437.000
0162	628.1504	Silt Fence	LF	3,260.000	3,260.000
0164	628.1520	Silt Fence Maintenance	LF	3,260.000	3,260.000
0166	628.1905	Mobilizations Erosion Control	EACH	11.000	11.000
0168	628.1910	Mobilizations Emergency Erosion Control	EACH	8.000	8.000
0170	628.7005	Inlet Protection Type A	EACH	15.000	15.000
0172	628.7015	Inlet Protection Type C	EACH	440.000	440.000
0174	628.7504	Temporary Ditch Checks	LF	230.000	230.000
0176	629.0210	Fertilizer Type B	CWT	2.820	2.820

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Line	Item	Item Description	Unit	Total	Qty
0178	631.1000	Sod Lawn	SY	4,437.000	4,437.000
0180	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	500.000	500.000
0182	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	4.000	4.000
0184	637.2210	Signs Type II Reflective H	SF	4,458.200	4,458.200
0186	637.2215	Signs Type II Reflective H Folding	SF	731.080	731.080
0188	637.2230	Signs Type II Reflective F	SF	1,152.250	1,152.250
0190	638.2102	Moving Signs Type II	EACH	13.000	13.000
0192	638.2602	Removing Signs Type II	EACH	627.000	627.000
0194	638.3000	Removing Small Sign Supports	EACH	418.000	418.000
0196	643.0300	Traffic Control Drums	DAY	107,885.000	107,885.000
0198	643.0420	Traffic Control Barricades Type III	DAY	30,314.000	30,314.000
0200	643.0705	Traffic Control Warning Lights Type A	DAY	60,628.000	60,628.000
0202	643.0715	Traffic Control Warning Lights Type C	DAY	10,906.000	10,906.000
0204	643.0810.S	Connected Arrow Board	DAY	754.000	754.000
0206	643.0900	Traffic Control Signs	DAY	43,472.000	43,472.000
0208	643.0920	Traffic Control Covering Signs Type II	EACH	1.000	1.000
0210	643.1070	Traffic Control Cones 42-Inch	DAY	137,971.000	137,971.000
0212	643.1220.S	Connected Work Zone Start and End Location Markers	DAY	76.000	76.000
0214	643.3165	Temporary Marking Line Paint 6-Inch	LF	45,006.000	45,006.000
0216	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	62,551.000	62,551.000
0218	643.3185	Temporary Marking Line Removable Contrast Tape 6-Inch	LF	2,303.000	2,303.000
0220	643.3265	Temporary Marking Line Paint 10-Inch	LF	2,871.000	2,871.000
0222	643.3280	Temporary Marking Line Removable Tape 10-Inch	LF	11,869.000	11,869.000
0224	643.5000	Traffic Control	EACH	1.000	1.000
0226	644.1430	Temporary Pedestrian Surface Plate	SF	5,194.000	5,194.000
0228	644.1601	Temporary Pedestrian Curb Ramp	DAY	630.000	630.000
0230	644.1605	Temporary Pedestrian Detectable Warning Field	SF	1,651.000	1,651.000
0232	644.1810	Temporary Pedestrian Barricade	LF	13,146.000	13,146.000
0234	644.1900.S	Temporary Audible Message Devices	DAY	319.000	319.000
0236	645.0130	Geotextile Type R	SY	25.000	25.000
0238	646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	16,075.000	16,075.000
0240	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	111,264.000	111,264.000
0242	646.4025	Marking Line Grooved Black Epoxy 10-Inch	LF	1,969.000	1,969.000
0244	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	26,405.000	26,405.000
0246	646.5020	Marking Arrow Epoxy	EACH	149.000	149.000
0248	646.5120	Marking Word Epoxy	EACH	35.000	35.000
0250	646.6120	Marking Stop Line Epoxy 18-Inch	LF	1,750.000	1,750.000
0252	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	27,816.000	27,816.000
0254	646.6470	Cold Weather Marking Epoxy 10-Inch	LF	6,601.000	6,601.000
0256	646.7120	Marking Diagonal Epoxy 12-Inch	LF	6,593.000	6,593.000
0258	646.7220	Marking Chevron Epoxy 24-Inch	LF	178.000	178.000
0260	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	6,288.000	6,288.000
0262	646.8120	Marking Curb Epoxy	LF	2,022.000	2,022.000
0264	646.8220	Marking Island Nose Epoxy	EACH	81.000	81.000
0266	650.4000	Construction Staking Storm Sewer	EACH	2.000	2.000
0268	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	3,510.000	3,510.000
0270	650.8000	Construction Staking Resurfacing Reference	LF	27,544.000	27,544.000
0272	650.8501	Construction Staking Electrical Installations (project) 01. 2140-14-70	EACH	1.000	1.000
0274	650.9000	Construction Staking Curb Ramps	EACH	134.000	134.000

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Line	Item	Item Description	Unit	Total	Qty
0276	650.9500	Construction Staking Sidewalk (project) 01. 2140-14-70	EACH	1.000	1.000
0278	650.9911	Construction Staking Supplemental Control (project) 01. 2140-14-70	EACH	1.000	1.000
0280	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	7,000.000	7,000.000
0282	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	6,205.000	6,205.000
0284	652.0605	Conduit Special 2-Inch	LF	5,500.000	5,500.000
0286	652.0615	Conduit Special 3-Inch	LF	8,515.000	8,515.000
0288	652.0800	Conduit Loop Detector	LF	20,708.000	20,708.000
0290	653.0135	Pull Boxes Steel 24x36-Inch	EACH	51.000	51.000
0292	653.0140	Pull Boxes Steel 24x42-Inch	EACH	187.000	187.000
0294	653.0905	Removing Pull Boxes	EACH	230.000	230.000
0296	654.0101	Concrete Bases Type 1	EACH	85.000	85.000
0298	654.0102	Concrete Bases Type 2	EACH	10.000	10.000
0300	654.0110	Concrete Bases Type 10	EACH	40.000	40.000
0302	654.0120	Concrete Bases Type 10-Special	EACH	22.000	22.000
0304	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	11.000	11.000
0306	655.0230	Cable Traffic Signal 5-14 AWG	LF	7,930.000	7,930.000
0308	655.0240	Cable Traffic Signal 7-14 AWG	LF	12,905.000	12,905.000
0310	655.0260	Cable Traffic Signal 12-14 AWG	LF	21,585.000	21,585.000
0312	655.0270	Cable Traffic Signal 15-14 AWG	LF	8,890.000	8,890.000
0314	655.0305	Cable Type UF 2-12 AWG Grounded	LF	9,475.000	9,475.000
0316	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	27,195.000	27,195.000
0318	655.0610	Electrical Wire Lighting 12 AWG	LF	10,980.000	10,980.000
0320	655.0700	Loop Detector Lead In Cable	LF	81,626.000	81,626.000
0322	655.0800	Loop Detector Wire	LF	81,151.000	81,151.000
0324	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. STH 181 at Florist Ave	EACH	1.000	1.000
0326	656.0201	Electrical Service Meter Breaker Pedestal (location) 02. STH 181 at Mill Rd	EACH	1.000	1.000
0328	656.0201	Electrical Service Meter Breaker Pedestal (location) 03. STH 181 at Acacia St	EACH	1.000	1.000
0330	656.0201	Electrical Service Meter Breaker Pedestal (location) 04. STH 181 at Green Tree Rd	EACH	1.000	1.000
0332	656.0201	Electrical Service Meter Breaker Pedestal (location) 05. STH 181 at Good Hope Rd	EACH	1.000	1.000
0334	656.0201	Electrical Service Meter Breaker Pedestal (location) 06. STH 181 at Calumet Rd	EACH	1.000	1.000
0336	656.0201	Electrical Service Meter Breaker Pedestal (location) 07. STH 181 at Bradley Rd	EACH	1.000	1.000
0338	656.0201	Electrical Service Meter Breaker Pedestal (location) 08. STH 181 at Tower Ave	EACH	1.000	1.000
0340	656.0201	Electrical Service Meter Breaker Pedestal (location) 09. STH 181 at Servite/Dean Rd	EACH	1.000	1.000
0342	656.0201	Electrical Service Meter Breaker Pedestal (location) 10. STH 181 at Northridge Dr	EACH	1.000	1.000
0344	656.0201	Electrical Service Meter Breaker Pedestal (location) 11. STH 181 at Northridge Lake Blvd	EACH	1.000	1.000
0346	657.0100	Pedestal Bases	EACH	85.000	85.000
0348	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	10.000	10.000
0350	657.0310	Poles Type 3	EACH	10.000	10.000
0352	657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	8.000	8.000
0354	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	21.000	21.000
0356	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	37.000	37.000
0358	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	19.000	19.000
0360	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	18.000	18.000
0362	658.0173	Traffic Signal Face 3S 12-Inch	EACH	165.000	165.000
0364	658.0174	Traffic Signal Face 4S 12-Inch	EACH	81.000	81.000
0366	658.0416	Pedestrian Signal Face 16-Inch	EACH	92.000	92.000
0368	658.0500	Pedestrian Push Buttons	EACH	119.000	119.000
0370	658.5070	Signal Mounting Hardware (location) 01. STH 181 at Florist Ave	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0372	658.5070	Signal Mounting Hardware (location) 02. STH 181 at Mill Rd	EACH	1.000	1.000
0374	658.5070	Signal Mounting Hardware (location) 03. STH 181 at Acacia St	EACH	1.000	1.000
0376	658.5070	Signal Mounting Hardware (location) 04. STH 181 at Green Tree Rd	EACH	1.000	1.000
0378	658.5070	Signal Mounting Hardware (location) 05. STH 181 at Good Hope Rd	EACH	1.000	1.000
0380	658.5070	Signal Mounting Hardware (location) 06. STH 181 at Calumet Rd	EACH	1.000	1.000
0382	658.5070	Signal Mounting Hardware (location) 07. STH 181 at Bradley Rd	EACH	1.000	1.000
0384	658.5070	Signal Mounting Hardware (location) 08. STH 181 at Tower Ave	EACH	1.000	1.000
0386	658.5070	Signal Mounting Hardware (location) 09. STH 181 at Servite/Dean Rd	EACH	1.000	1.000
0388	658.5070	Signal Mounting Hardware (location) 10. STH 181 at Northridge Dr	EACH	1.000	1.000
0390	658.5070	Signal Mounting Hardware (location) 11. STH 181 at Northridge Lakes Blvd	EACH	1.000	1.000
0392	658.5070	Signal Mounting Hardware (location) 12. STH 181 at STH 100	EACH	1.000	1.000
0394	659.1125	Luminaires Utility LED C	EACH	79.000	79.000
0396	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	361.000	361.000
0398	661.0201	Temporary Traffic Signals for Intersections (location) 01. STH 181 at Florist Ave	EACH	1.000	1.000
0400	661.0201	Temporary Traffic Signals for Intersections (location) 02. STH 181 at Mill Rd	EACH	1.000	1.000
0402	661.0201	Temporary Traffic Signals for Intersections (location) 03. STH 181 at Acacia St	EACH	1.000	1.000
0404	661.0201	Temporary Traffic Signals for Intersections (location) 04. STH 181 at Green Tree Rd	EACH	1.000	1.000
0406	661.0201	Temporary Traffic Signals for Intersections (location) 05. STH 181 at Good Hope Rd	EACH	1.000	1.000
0408	661.0201	Temporary Traffic Signals for Intersections (location) 06. STH 181 at Calumet Rd	EACH	1.000	1.000
0410	661.0201	Temporary Traffic Signals for Intersections (location) 07. STH 181 at Bradley Rd	EACH	1.000	1.000
0412	661.0201	Temporary Traffic Signals for Intersections (location) 09. STH 181 at Servite/Dean Rd	EACH	1.000	1.000
0414	661.0201	Temporary Traffic Signals for Intersections (location) 10. STH 181 at Northridge Dr	EACH	1.000	1.000
0416	661.0201	Temporary Traffic Signals for Intersections (location) 11. STH 181 at Northridge Lakes Blvd	EACH	1.000	1.000
0418	690.0150	Sawing Asphalt	LF	20,148.000	20,148.000
0420	690.0250	Sawing Concrete	LF	4,805.000	4,805.000
0422	740.0440	Incentive IRI Ride	DOL	47,720.000	47,720.000
0424	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	8,400.000	8,400.000
0426	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	17,280.000	17,280.000
0428	SPV.0060	Special 01. Utility Line Opening (ULO)	EACH	35.000	35.000
0430	SPV.0060	Special 02. Tuck Point Storm Sewer Structure	EACH	1.000	1.000
0432	SPV.0060	Special 03. Strapping C-40-0053	EACH	2.000	2.000
0434	SPV.0060	Special 04. Install Type 9 Pole	EACH	9.000	9.000
0436	SPV.0060	Special 05. Install Type 9 Special Pole	EACH	18.000	18.000
0438	SPV.0060	Special 06. Install Type 10 Pole	EACH	31.000	31.000
0440	SPV.0060	Special 07. Install Type 10 Special Pole	EACH	4.000	4.000
0442	SPV.0060	Special 08. Install Monotube Arms 15-FT	EACH	18.000	18.000
0444	SPV.0060	Special 09. Install Monotube Arms 20-FT	EACH	4.000	4.000
0446	SPV.0060	Special 10. Install Monotube Arms 25-FT	EACH	2.000	2.000
0448	SPV.0060	Special 11. Install Monotube Arms 30-FT	EACH	16.000	16.000
0450	SPV.0060	Special 12. Install Monotube Arms 35-FT Special	EACH	19.000	19.000
0452	SPV.0060	Special 13. Install Monotube Arms 40-FT	EACH	1.000	1.000
0454	SPV.0060	Special 14. Install Monotube Arms 45-FT Special	EACH	2.000	2.000
0456	SPV.0060	Special 15. Install Luminaire Arms Steel 15-FT	EACH	61.000	61.000
0458	SPV.0060	Special 16. Transport and Install State Furnished Traffic Signal Cabinet Florist Ave	EACH	1.000	1.000
0460	SPV.0060	Special 17. Transport and Install State Furnished Traffic Signal Cabinet Mill Rd	EACH	1.000	1.000
0462	SPV.0060	Special 18. Transport and Install State Furnished Traffic Signal Cabinet Acacia St	EACH	1.000	1.000
0464	SPV.0060	Special 19. Transport and Install State Furnished Traffic Signal Cabinet Green Tree Rd	EACH	1.000	1.000
0466	SPV.0060	Special 20. Transport and Install State Furnished Traffic Signal Cabinet Good Hope Rd	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0468	SPV.0060	Special 21. Transport and Install State Furnished Traffic Signal Cabinet Calumet Rd	EACH	1.000	1.000
0470	SPV.0060	Special 22. Transport and Install State Furnished Traffic Signal Cabinet Bradley Rd	EACH	1.000	1.000
0472	SPV.0060	Special 23. Transport and Install State Furnished Traffic Signal Cabinet Tower Ave	EACH	1.000	1.000
0474	SPV.0060	Special 24. Transport and Install State Furnished Traffic Signal Cabinet Servite/Dean Rd	EACH	1.000	1.000
0476	SPV.0060	Special 25. Transport and Install State Furnished Traffic Signal Cabinet Northridge Dr	EACH	1.000	1.000
0478	SPV.0060	Special 26. Trnsprt & Install State Frnshd Trffc Sgnl Cabinet Northridge Lakes Blvd	EACH	1.000	1.000
0480	SPV.0060	Special 27. Transport Traffic Signal and Lighting Materials Florist Ave	EACH	1.000	1.000
0482	SPV.0060	Special 28. Transport Traffic Signal and Lighting Materials Mill Rd	EACH	1.000	1.000
0484	SPV.0060	Special 29. Transport Traffic Signal and Lighting Materials Acacia St	EACH	1.000	1.000
0486	SPV.0060	Special 30. Transport Traffic Signal and Lighting Materials Green Tree Rd	EACH	1.000	1.000
0488	SPV.0060	Special 31. Transport Traffic Signal and Lighting Materials Good Hope Rd	EACH	1.000	1.000
0490	SPV.0060	Special 32. Transport Traffic Signal and Lighting Materials Calumet Rd	EACH	1.000	1.000
0492	SPV.0060	Special 33. Transport Traffic Signal and Lighting Materials Bradley Rd	EACH	1.000	1.000
0494	SPV.0060	Special 34. Transport Traffic Signal and Lighting Materials Tower Ave	EACH	1.000	1.000
0496	SPV.0060	Special 35. Transport Traffic Signal and Lighting Materials Servite/Dean Rd	EACH	1.000	1.000
0498	SPV.0060	Special 36. Transport Traffic Signal and Lighting Materials Northridge Dr	EACH	1.000	1.000
0500	SPV.0060	Special 37. Transport Traffic Signal and Lighting Materials Northridge Lake Blvd	EACH	1.000	1.000
0502	SPV.0060	Special 38. Modify Traffic Signal STH 181 & STH 100	EACH	1.000	1.000
0504	SPV.0060	Special 39. Inlet Covers Type H-D	EACH	1.000	1.000
0506	SPV.0060	Special 40. Cleaning Storm Sewer	EACH	2.000	2.000
0508	SPV.0060	Special 41. Adjusting Water Valve Boxes	EACH	178.000	178.000
0510	SPV.0060	Special 42. Adjusting Water Manholes	EACH	5.000	5.000
0512	SPV.0060	Special 43. Adjusting Sanitary Manholes	EACH	103.000	103.000
0514	SPV.0060	Special 44. Internal Manhole Seals	EACH	4.000	4.000
0516	SPV.0060	Special 45. Manhole Covers Type MS-58A	EACH	4.000	4.000
0518	SPV.0060	Special 46. Adjusting CUC Manhole Cover	EACH	24.000	24.000
0520	SPV.0060	Special 47. 4' Diameter "Doghouse" Manhole Type CUC	EACH	10.000	10.000
0522	SPV.0060	Special 48. 5' Diameter "Doghouse" Manhole Type CUC	EACH	2.000	2.000
0524	SPV.0060	Special 49. Removing CUC Manhole	EACH	12.000	12.000
0526	SPV.0060	Special 50. Section Corner Monuments	EACH	7.000	7.000
0528	SPV.0060	Special 51. Removing Fence, R-40-76	EACH	1.000	1.000
0530	SPV.0060	Special 52. Field Office Facilities Office Space	EACH	1.000	1.000
0532	SPV.0075	Special 01. Street Sweeping	HRS	100.000	100.000
0534	SPV.0090	Special 01. Concrete Curb and Gutter 6-Inch Slope 18-Inch Type J	LF	211.000	211.000
0536	SPV.0090	Special 02. Marking Crosswalk Epoxy Block Style 12-Inch White	LF	6,358.000	6,358.000
0538	SPV.0195	Special 01. Excavation, Hauling, and Disposal of Lead Contaminated Soil	TON	48.000	48.000
0540	SPV.0195	Special 02. Excavation, Hauling, and Disposal of PAH Contaminated Soil	TON	2.000	2.000
0542	SPV.0195	Special 03. Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	135.000	135.000
0544	SPV.0195	Special 04. Asphaltic Repair	TON	4,667.000	4,667.000

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REMOVAL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	* 204.0155 REMOVING CONCRETE SIDEWALK SY	204.0165 REMOVING GUARDRAIL LF	* 690.0150 SAWING ASPHALT LF	* 690.0250 SAWING CONCRETE LF
0010	46+00	-	126+24	FLORIST AVE TO GOOD HOPE RD	--	67578	487	936	2,808	830
	126+24	-	233+00	GOOD HOPE RD TO BROWN DEER RD	310	96939	364	102	3,118	1,751
	233+00	-	287+11	BROWN DEER RD TO COUNTY LINE RD	--	44223	109	102	1,368	214
				INLET ADJUSTMENTS	--	--	--	--	--	20
				TOTAL 0010	310	208,740	960	1,140	7,294	2,815

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100.01 FINISHING ROADWAY (PROJECT) (01. 2140-14-70) EACH
0010	2140-14-70	1
	TOTAL 0010	1

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET 536	E

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REMOVING BUTT JOINTS

CATEGORY	STAGE	LOCATION	STATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY
0010	3A	PROJECT START	46+00	17
		FLORIST AVE	46+57	25
		STRUCTURE B-40-378	53+80	15
		STRUCTURE B-40-378	57+15	15
		WINFIELD AVE	69+50	18
		MILL RD	73+11	31
		CLOVERNOOK ST	79+05	5
		ACACIA ST	86+40	13
		GREEN TREE ROAD	99+70	22
		DENVER AVE	106+32	7
		PICK N' SAVE DRIVEWAY	120+80	5
		CTH PP - GOOD HOPE RD	125+00	19
		CTH PP - GOOD HOPE RD	127+50	19
		CLINTON AVE	137+36	10
		CALUMET RD	153+00	21
		FRONTAGE RD	167+77	8
		LOLITA AVE	174+10	6
		BRADLEY RD	179+41	30
		TOWER AVE	186+32	9
		STRUCTURE B-40-380	191+68	17
		STRUCTURE B-40-380	193+73	17
		SERVITE DR & DEAN RD	206+00	19
		76TH PLACE	213+04	8
		STRUCTURE B-40-404	232+17	17
		SOUTHBOUND ON RAMP	232+10	15
		NORTHBOUND OFF RAMP	233+06	13
		SOUTHBOUND OFF RAMP	233+15	16
		NORTHBOUND ON RAMP	234+12	13
		STRUCTURE B-40-404	243+17	16
		ALLYN ST	250+55	14
		NORTHRIDGE LAKES BLVD	257+35	26
		FAIRY CHASM DR	264+15	11
		GLENBROOK RD	274+80	9
		PROJECT END	281+00	14
		TOTAL 0010		520

BASE PATCHING

CATEGORY	STATION	TO	STATION	LOCATION	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	416.1715 CONCRETE PAVEMENT REPAIR SHES SY	REMARKS
0010	46+00.00	-	287+11.68	STH 181	32	--	--	TIE BARS FOR INLET ADJUSTMENTS
	46+00.00	-	287+11.68	STH 181	138	408	986	SIGNAL PATCHING AT GOOD HOPE RD
	46+00.00	-	287+11.68	STH 181	180	--	39	CURB RAMP PATCHING AT GOOD HOPE RD
				TOTAL 0010	350	408	1,025	

STORM SEWER REMOVAL

CATEGORY	STATION	TO	STATION	LOCATION	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER (SIZE) (01. 12-INCH) LF	SPV.0060.40 SPECIAL (40. CLEANING STORM SEWER) EACH
0010	120+75	-	121+25	PICK N SAVE DRIVEWAY	2	45	2
				TOTAL 0010	2	45	2

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SIDEWALK REMOVAL ITEMS

CATEGORY	INTERSECTION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0150 REMOVING CURB & GUTTER LF	* 204.0155 REMOVING CONCRETE SIDEWALK SY	* 690.0150 SAWING ASPHALT LF	* 690.0250 SAWING CONCRETE LF
0010	FLORIST AVE	80	287	175	359	159
	WINFIELD AVE	81	298	156	340	88
	MILL RD	75	259	170	308	145
	CLOVERNOOK ST	23	98	60	104	68
	ACACIA ST	42	230	143	188	113
	GREEN TREE RD	49	209	160	222	108
	DENVER AVE	142	197	147	641	109
	MIDBLOCK STA 119+73	46	76	45	94	33
	PICK N SAVE DRIVEWAY	75	116	42	183	122
	GOOD HOPE RD	36	147	100	161	61
	CLINTON AVE	38	164	120	170	102
	MIDBLOCK STA 143+75	3	12	16	12	15
	DRIVEWAY	--	--	22	--	20
	CALUMET	50	214	159	225	115
	LOLITA	22	94	65	101	52
	BRADLEY	23	95	80	108	96
	W TOWER AVE	35	126	95	136	92
	N SERVITE DR/ W DEAN ST	37	155	129	165	119
	ALLYN ST	31	138	79	141	66
	NORTHRIDGE LAKES BLVD	42	182	117	189	122
	FAIRY CHASM	36	159	83	164	66
	MIDBLOCK STA 270	16	82	49	66	37
	GLENBROOK RD	49	211	120	216	81
	TOTAL 0010	1,030	3,550	2,330	4,291	1,990

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

SIDEWALK (CONT.)

CATEGORY	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 601.0600 CONCRETE CURB PEDESTRIAN LF	* 602.0410 CONCRETE SIDEWALK 5-INCH SF
0120	NB BROWN DEER EXIT RAMP	254	102	9,810
	GLENBROOK RD TO COUNTY LINE RD	118	--	4,543
	TOTAL 0120	372	102	14,353

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

HMA ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0195 Special 04. Asphaltic Repair TON	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON
0010	46+00	-	126+24	FLORIST AVE TO GOOD HOPE RD	1,717	9,488	9,149	7,116
	126+24	-	233+00	GOOD HOPE RD TO BROWN DEER RD	2,055	13,601	13,115	10,201
	233+00	-	287+11	BROWN DEER RD TO COUNTY LINE RD	895	6,211	5,986	4,656
				TOTAL 0010	4,667	29,300	28,250	21,972

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET 538	E

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SIDEWALK ITEMS

CATEGORY	INTERSECTION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 465.0110 ASPHALTIC SURFACE PATCHING TON	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0415 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J LF	* 601.0600 CONCRETE CURB PEDESTRIAN LF	* 602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	SPV.0090.01 SPECIAL (01. CONCRETE CURB AND GUTTER 6-INCH SLOPE 18-INCH TYPE J) LF
0010	FLORIST AVE	77	31	47	--	287	--	--	1,467	61	25	--	--
	WINFIELD AVE	75	31	87	--	211	--	6	1,359	50	36	--	--
	MILL RD	76	29	85	--	174	--	38	1,579	80	--	--	--
	CLOVERNOOK ST	28	9	25	--	74	--	--	565	30	13	--	--
	ACACIA ST	65	16	41	--	189	--	--	1,297	80	--	--	--
	GREEN TREE RD	65	19	33	--	177	--	--	1,424	80	--	--	--
	DENVER AVE	62	55	48	--	149	--	21	1,461	60	--	--	--
	MIDBLOCK STA 119+73	25	8	62	--	30	--	--	472	40	--	36	--
	PICK N SAVE DRIVEWAY	47	16	96	--	168	--	--	424	20	27	118	--
	GOOD HOPE RD	44	14	--	147	--	--	--	1,026	61	10	--	--
	CLINTON AVE	51	15	50	--	114	--	--	1,164	50	10	--	--
	MIDBLOCK STA 143+75	5	1	--	--	12	--	--	148	10	--	--	--
	DRIVEWAY	--	--	--	--	--	--	--	200	20	--	--	--
	CALUMET	65	19	37	--	177	--	64	1,413	70	--	--	--
	LOLITA	28	9	--	--	93	--	51	627	40	--	--	--
	BRADLEY	31	10	--	--	94	--	42	728	50	--	--	--
	W TOWER AVE	39	13	--	--	124	--	6	864	60	--	--	--
	N SERVITE DR/ W DEAN ST	50	14	--	--	70	85	13	1,122	70	--	--	--
	SB BROWN DEER EXIT RAMP	3	--	--	--	--	--	--	110	--	--	--	--
	ALLYN ST	38	13	--	--	--	72	--	871	50	18	--	65
	NORTHRIDGE LAKES BLVD	52	17	--	--	--	128	--	1,075	81	--	--	53
	FAIRY CHASM	42	15	--	--	--	140	--	810	60	--	--	18
	MIDBLOCK STA 270	23	7	--	--	--	54	25	455	40	--	--	27
	GLENBROOK RD	59	19	--	--	--	162	99	1,139	70	12	--	47
	TOTAL 0010	1,050	378	610	147	2,143	640	365	21,800	1,232	150	154	211

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

STORM SEWER

CATEGORY	STATION	TO	STATION	LOCATION	522.0412 CULVERT PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	611.0624 INLET COVERS TYPE H EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.9710 SALVAGED INLET COVERS EACH	SPV.0060.39 SPECIAL (39. INLET COVERS TYPE H-D) EACH
0010	120+75	-	121+25	PICK N SAVE DRIVEWAY	44	2	1	1	2	1
				TOTAL 0010	44	2	1	1	2	1

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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET 539	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\030201_MQ.DWG
LAYOUT NAME - 04

PLOT DATE : 7/29/2025 5:12 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1" = 1'

WISDOT/CADDS SHEET 42

PWL

CATEGORY	LOCATION	460.0105.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS EACH	460.0110.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY EACH	460.2005 INCENTIVE DENSITY PWL HMA PAVEMENT DOL	460.2007 INCENTIVE DENSITY HMA PAVEMENT LONGITUDINAL JOINTS DOL	460.2010 INCENTIVE AIR VOIDS HMA PAVEMENT DOL
0010	N 76TH ST	2	2	50,230	16,380	25,810
	TOTAL 0010	2	2	50,230	16,380	25,810

PWL MIXTURE USE TABLE

The following acceptance criteria are applicable for this project:

Location	Station	Mixture Use:	Underlying Surface	Bid Item	Tons	Thickness	Quality Management Program to be used for:	
							Mixture Acceptance	Density Acceptance
Florist Ave to Good Hope Rd - 12' Driving Lanes	46+00.00 to 126+24.15	Upper Layer	3 MT 58-28 S	4 MT 58-28 S	7116	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Florist Ave to Good Hope Rd - 12' Driving Lanes	46+00.00 to 126+24.15	Lower Layer	Existing 2 1/2" Milled HMA Pavement	3 MT 58-28 S	9149	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Good Hope Rd to Brown Deer Rd - 12' Driving Lanes	126+24.16 to 233+18.32	Upper Layer	3 MT 58-28 S	4 MT 58-28 S	8845	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Good Hope Rd to Brown Deer Rd - 12' Driving Lanes	126+24.16 to 233+18.32	Lower Layer	Existing 2 1/2" Milled HMA Pavement	3 MT 58-28 S	11372	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Good Hope Rd to Brown Deer Rd - 12' Shoulder	126+24.16 to 233+18.32	Upper Layer	3 MT 58-28 S	4 MT 58-28 S	1356	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) * Not eligible for incentive
Good Hope Rd to Brown Deer Rd - 12' Shoulder	126+24.16 to 233+18.32	Lower Layer	Existing 2 1/2" Milled HMA Pavement	3 MT 58-28 S	1743	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) * Not eligible for incentive
Brown Deer Rd to County Line Rd - 12' Driving Lanes	233+18.32 to 281+10.92	Upper Layer	3 MT 58-28 S	4 MT 58-28 S	4175	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Brown Deer Rd to County Line Rd - 12' Driving Lanes	233+18.32 to 281+10.92	Lower Layer	Existing 2 1/2" Milled HMA Pavement	3 MT 58-28 S	5368	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Incentive Density PWL HMA Pavement 460.2005
Brown Deer Rd to County Line Rd - 12' Shoulder	233+18.32 to 281+10.92	Upper Layer	3 MT 58-28 S	4 MT 58-28 S	481	1.75"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) * Not eligible for incentive
Brown Deer Rd to County Line Rd - 12' Shoulder	233+18.32 to 281+10.92	Lower Layer	Existing 2 1/2" Milled HMA Pavement	3 MT 58-28 S	619	2.25"	PWL Incentive Air Voids HMA Pavement 460.2010	Department Acceptance (SS 460.3.3.2) * Not eligible for incentive

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	REDUCED MARSH IN FILL (8) FACTOR 0.60	REDUCED EBS IN FILL (9) FACTOR 0.80	EXPANDED MARSH BACKFILL (10) FACTOR 1.50	EXPANDED EBS BACKFILL (11) FACTOR 1.30	EXPANDED ROCK (12) FACTOR 1.10	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	208.0110 SELECT BORROW	COMMENT
DIVISION 1																		
GUARDRAIL RUN #1	51+37.15/53+69.003	LEFT	12	0	0	12	0	0	0	0	0	3	4	8	8	0	0	
GUARDRAIL RUN #2	57+29.548/65+31.429	RIGHT	75	0	0	75	0	0	0	0	0	24	30	45	45	0	0	
GUARDRAIL RUN #3	229+46.5/232+11.863	LEFT	6	0	0	6	0	0	0	0	0	15	19	-13	0	0	0	USE WASTE MATERIAL
GUARDRAIL RUN #4	234+22.492/236+83.958	RIGHT	12	0	0	12	0	0	0	0	0	15	19	-7	0	0	0	USE WASTE MATERIAL
UNDISTRIBUTED	UNDISTIBUTED EBS	---	--	30	0	0	0	24	0	39	0	0	-30	30	30	30	0	
SUBTOTAL CATEGORY 0010			105	30	0	105	0	24	0	39	0	57	41	64	83	30	0	
SIDEWALK - GLENNBROOK TO CTH Q	276+85.72/286+79.617	LEFT	524	0	0	524	0	0	0	0	0	0	0	524	524	0	0	
SIDEWALK - 76TH PLACE TO NB OFF RAMP	213+08.661/217+14.017	RIGHT	81	0	0	81	0	0	0	0	0	0	0	81	81	0	0	
SIDEWALK - NB OFF RAMP TO STH 100	217+15.37/232+84.48	RIGHT	285	0	0	285	0	0	0	0	0	69	86	199	199	0	0	
---	UNDISTIBUTED EBS	---	0	70	0	0	0	56	0	91	0	0	-70	70	70	0	90	
SUBTOTAL CATEGORY 0020			890	70	0	890	0	56	0	91	0	69	16	874	874	0	90	
DIVISION 1 SUBTOTAL			995	100	0	995	0	80	0	130	0	126	58	938	957	30	90	
DIVISION 2 - CURB RAMPS																		
CURB RAMPS AT INTERSECTION	FLORIST AVE.	LEFT/RIGHT	18	0	0	18	0	0	0	0	0	0	0	18	18	0	0	
CURB RAMPS AT INTERSECTION	WINFIELD AVE.	LEFT/RIGHT	17	0	0	17	0	0	0	0	0	0	0	17	17	0	0	
CURB RAMPS AT INTERSECTION	MILL RD.	LEFT/RIGHT	19	0	0	19	0	0	0	0	0	0	0	19	19	0	0	
CURB RAMPS AT INTERSECTION	CLOVERNOOK ST.	LEFT/RIGHT	7	0	0	7	0	0	0	0	0	0	0	7	7	0	0	
CURB RAMPS AT INTERSECTION	ACACIA ST.	LEFT/RIGHT	16	0	0	16	0	0	0	0	0	0	0	16	16	0	0	
CURB RAMPS AT INTERSECTION	GREEN TREE RD.	LEFT/RIGHT	17	0	0	17	0	0	0	0	0	0	0	17	17	0	0	
CURB RAMPS AT INTERSECTION	DENVER AVE.	LEFT/RIGHT	17	0	0	17	0	0	0	0	0	0	0	17	17	0	0	
CURB RAMPS AT INTERSECTION	STA 119+73	LEFT/RIGHT	6	0	0	6	0	0	0	0	0	0	0	6	6	0	0	
CURB RAMPS AT INTERSECTION	PICK 'N SAVE DRIVEWAY	LEFT/RIGHT	8	0	0	8	0	0	0	0	0	0	0	8	8	0	0	
CURB RAMPS AT INTERSECTION	GOOD HOPE RD.	LEFT/RIGHT	11	0	0	11	0	0	0	0	0	0	0	11	11	0	0	
CURB RAMPS AT INTERSECTION	CLINTON AVE.	LEFT/RIGHT	16	0	0	16	0	0	0	0	0	0	0	16	16	0	0	
CURB RAMPS AT INTERSECTION	STA 143+75	LEFT/RIGHT	2	0	0	2	0	0	0	0	0	0	0	2	2	0	0	
CURB RAMPS AT INTERSECTION	CALUMENT RD.	LEFT/RIGHT	17	0	0	17	0	0	0	0	0	0	0	17	17	0	0	
CURB RAMPS AT INTERSECTION	LOLITA AVE,	LEFT/RIGHT	7	0	0	7	0	0	0	0	0	0	0	7	7	0	0	
CURB RAMPS AT INTERSECTION	BRADLEY AVE.	LEFT/RIGHT	9	0	0	9	0	0	0	0	0	0	0	9	9	0	0	
CURB RAMPS AT INTERSECTION	TOWAR AVE.	LEFT/RIGHT	11	0	0	11	0	0	0	0	0	0	0	11	11	0	0	
CURB RAMPS AT INTERSECTION	DEAN/SERVRITE DR.	LEFT/RIGHT	14	0	0	14	0	0	0	0	0	0	0	14	14	0	0	
CURB RAMPS AT INTERSECTION	ALLYN ST.	LEFT/RIGHT	9	0	0	9	0	0	0	0	0	0	0	9	9	0	0	
CURB RAMPS AT INTERSECTION	NORTH RIDGE LAKES BLVD.	LEFT/RIGHT	13	0	0	13	0	0	0	0	0	0	0	13	13	0	0	
CURB RAMPS AT INTERSECTION	FAIRY CHASM DR.	LEFT/RIGHT	10	0	0	10	0	0	0	0	0	0	0	10	10	0	0	
CURB RAMPS AT INTERSECTION	STA 270+00	LEFT/RIGHT	7	0	0	7	0	0	0	0	0	0	0	7	7	0	0	
CURB RAMPS AT INTERSECTION	GLENNBROOK RD.	LEFT/RIGHT	15	0	0	15	0	0	0	0	0	0	0	15	15	0	0	
	UNDISTIBUTED	---														140	0	
DIVISION 2 (CATEGORY 0010) SUBTOTAL			265	0	0	265	0	0	0	0	0	0	0	265	265	140	0	
GRAND TOTAL			1,260	100	**0**	**1,260**	**0**	**80**	**0**	**130**	**0**	**126**	**58**	**1,203**	**1,222**	**170**	**90**	
CATEGORY 0010	TOTAL COMMON EXC		**1,360**															

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 BORROW MATERIAL.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL. NOTE FOR DIVISION 2 CURB RAMPS CONCRETE REMOVAL WAS FACTORED OUT OF THE CUT. NOTE FOR DIVISION 1: SIDEWALK IS NEW TO FILL IN GAPS AND NO EXISTING SIDEWALK IS BEING REMOVED.

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(6) MARSH EXCAVATION - TO BE BACKFILLED WITH CUT MATERIAL. ITEM NUMBER 205.0500

(7) ROCK EXCAVATION ITEM NUMBER 205.0200

(8) REDUCED MARSH IN FILL - EXCAVATED MARSH MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. MARSH IN FILL REDUCTION FACTOR = 0.60

(9) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.80

(10) EXPANDED MARSH BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL. MARSH BACKFILL FACTOR = 1.50. ITEM NUMBER 208.1100

(11) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL. EBS BACKFILL FACTOR = 1.30. ITEM NUMBER 208.1100

(12) EXPANDED ROCK FACTOR = 1.10

(13) EXPANDED FILL FACTOR = 1.25

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH - REDUCED EBS) * FILL FACTOR

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

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

3

GRADING NEAR STRUCTURE

CATEGORY	STATION	TO	STATION	LOCATION	606.0100 RIPRAP LIGHT CY	645.0130 GEOTEXTILE TYPE R SY
0010	231+00	-	235+00	STH 181	10	25
				TOTAL 0010	10	25

BARRIER

CATEGORY	STATION	TO	STATION	LOCATION	614.2300 MGS GUARDRAIL 3 LF	614.2330 MGS GUARDRAIL 3k LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH
0010	52+63	-	53+81	STH 181 MAINLINE	38	--	1	1	--
	57+15	-	65+32	STH 181 MAINLINE	413	325	1	--	1
	231+30	-	232+32	STH 181 MAINLINE	25	--	1	1	--
	234+02	-	235+04	STH 181 MAINLINE	25	--	1	1	--
				TOTAL 0010	500	325	4	3	1

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SANITARY MANHOLE ITEMS

CATEGORY	ROADWAY	STATION	OFFSET	* 390.0405 BASE PATCHING CONCRETE SHES CY	* 465.0110 ASPHALTIC SURFACE PATCHING TON	* 611.8120.S COVER PLATES TEMPORARY EACH	* 690.0150 SAWING ASPHALT LF	SPV.0060.43 SPECIAL (43. ADJUSTING SANITARY MANHOLE) EACH	SPV.0060.44 SPECIAL (44. INTERNAL MANHOLE SEALS) EACH	SPV.0060.45 SPECIAL (45. MANHOLE COVERS TYPE MS-58A) EACH
0130	STH 181	49+11.3	49.8 LT	0.25	1	1	25	1	--	--
		64+39.9	60.7 LT	0.25	1	1	25	1	--	--
		64+83.0	57.0 LT	0.25	1	1	25	1	--	--
		67+22.7	56.9 LT	0.25	1	1	25	1	--	--
		67+41.3	50.6' RT	0.25	1	1	25	1	--	--
		69+57.3	57.6 LT	0.25	1	1	25	1	--	--
		70+15.8	51.8 RT	0.25	1	1	25	1	--	--
		72+77.1	57.0 LT	0.25	1	1	25	1	--	--
		72+81.4	50.8 RT	0.25	1	1	25	1	--	--
		73+55.7	50.2 LT	0.25	1	1	25	1	--	--
		76+36.3	51.2 LT	0.25	1	1	25	1	--	--
		79+22.1	50.9 LT	0.25	1	1	25	1	--	--
		79+25.1	50.9 LT	0.25	1	1	25	1	--	--
		82+14.9	50.7 LT	0.25	1	1	25	--	1	1
		83+10.3	50.6 LT	0.25	1	1	25	1	--	--
		84+90.7	51.2 LT	0.25	1	1	25	1	--	--
		86+42.1	50.7' RT	0.25	1	1	25	1	--	--
		98+07.4	50.4 RT	0.25	1	1	25	1	--	--
		99+18.9	51.1 RT	0.25	1	1	25	1	--	--
		99+32.4	34.7 LT	0.25	1	1	25	1	--	--
		99+33.3	21.0' LT	0.25	1	1	25	1	--	--
		99+73.2	51.4 LT	0.25	1	1	25	1	--	--
		102+70.7	50.3' LT	0.25	1	1	25	1	--	--
		103+01.2	22.3' RT	0.25	1	1	25	1	--	--
		103+01.3	50.2 RT	0.25	1	1	25	1	--	--
		103+01.7	21.8' LT	0.25	1	1	25	1	--	--
		105+77.6	51.7' RT	0.25	1	1	25	1	--	--
		107+04.0	50.3' LT	0.25	1	1	25	1	--	--
		108+61.0	14.0' LT	0.25	1	1	25	1	--	--
		108+61.0	50.8' RT	0.25	1	1	25	1	--	--
		108+98.0	50.2' LT	0.25	1	1	25	1	--	--
		111+08.9	51.5' LT	0.25	1	1	25	1	--	--
		112+99.9	50.5' RT	0.25	1	1	25	1	--	--
		113+26.1	51.3' LT	0.25	1	1	25	--	1	1
		118+01.3	50.0' RT	0.25	1	1	25	1	--	--
		SUBTOTAL		9	35	35	875	33	2	2

3

SANITARY MANHOLE ITEMS (CONT)

CATEGORY	ROADWAY	STATION	OFFSET	* 390.0405 BASE PATCHING CONCRETE SHES CY	* 465.0110 ASPHALTIC SURFACE PATCHING TON	* 611.8120.S COVER PLATES TEMPORARY EACH	* 690.0150 SAWING ASPHALT LF	SPV.0060.43 SPECIAL (43. ADJUSTING SANITARY MANHOLE) EACH	SPV.0060.44 SPECIAL (44. INTERNAL MANHOLE SEALS) EACH	SPV.0060.45 SPECIAL (45. MANHOLE COVERS TYPE MS-58A) EACH
0130	STH 181	119+63.5	63.0' LT	0.25	1	1	25	1	--	--
		120+49.8	51.8' RT	0.25	1	1	25	1	--	--
		120+50.1	13.9' LT	0.25	1	1	25	1	--	--
		120+82.3	50.5' RT	0.25	1	1	25	1	--	--
		120+95.1	30.2' LT	0.25	1	1	25	1	--	--
		123+50.6	50.4' LT	0.25	1	1	25	1	--	--
		123+93.8	31.6' LT	0.25	1	1	25	1	--	--
		125+15.8	31.1' LT	0.25	1	1	25	1	--	--
		125+73.4	50.6' RT	0.25	1	1	25	1	--	--
		126+55.7	21.2' RT	0.25	1	1	25	1	--	--
		126+94.0	22.8' LT	0.25	1	1	25	1	--	--
		126+97.4	50.2' RT	0.25	1	1	25	1	--	--
		129+60.8	50.2' RT	0.25	1	1	25	1	--	--
		130+50.3	21.4' LT	0.25	1	1	25	1	--	--
		132+26.7	50.3' LT	0.25	1	1	25	1	--	--
		133+40.2	50.2' RT	0.25	1	1	25	1	--	--
		133+50.0	21.2' LT	0.25	1	1	25	--	1	1
		134+43.5	51.0' RT	0.25	1	1	25	1	--	--
		136+63.5	22.8' LT	0.25	1	1	25	1	--	--
		136+87.0	50.5' RT	0.25	1	1	25	1	--	--
		137+27.3	21.2' LT	0.25	1	1	25	1	--	--
		137+46.3	39.8' LT	0.25	1	1	25	1	--	--
		139+26.6	50.4' RT	0.25	1	1	25	1	--	--
		139+46.7	21.4' LT	0.25	1	1	25	1	--	--
		139+85.3	50.8' LT	0.25	1	1	25	1	--	--
		141+65.2	50.5' RT	0.25	1	1	25	1	--	--
		144+06.5	50.4' RT	0.25	1	1	25	1	--	--
		149+00.4	50.7' RT	0.25	1	1	25	1	--	--
		152+39.6	50.5' RT	0.25	1	1	25	1	--	--
		153+21.3	51.6' LT	0.25	1	1	25	1	--	--
		153+93.7	50.2' RT	0.25	1	1	25	1	--	--
		155+15.8	51.4' LT	0.25	1	1	25	1	--	--
		156+57.2	50.8' RT	0.25	1	1	25	1	--	--
		157+09.9	50.1' LT	0.25	1	1	25	1	--	--
		158+94.3	51.3' LT	0.25	1	1	25	1	--	--
	SUBTOTAL			9	35	35	875	34	1	1

SANITARY MANHOLE ITEMS (CONT)

CATEGORY	ROADWAY	STATION	OFFSET	* 390.0405 BASE PATCHING CONCRETE SHES CY	* 465.0110 ASPHALTIC SURFACE PATCHING TON	* 611.8120.S COVER PLATES TEMPORARY EACH	* 690.0150 SAWING ASPHALT LF	SPV.0060.43 SPECIAL (43. ADJUSTING SANITARY MANHOLE) EACH	SPV.0060.44 SPECIAL (44. INTERNAL MANHOLE SEALS) EACH	SPV.0060.45 SPECIAL (45. MANHOLE COVERS TYPE MS-58A) EACH
0130	STH 181	159+57.9	50.6' RT	0.25	1	1	25	1	--	--
		162+82.2	50.3' RT	0.25	1	1	25	1	--	--
		165+81.8	50.4' LT	0.25	1	1	25	1	--	--
		166+07.9	50.6' RT	0.25	1	1	25	1	--	--
		167+28.0	51.6' LT	0.25	1	1	25	1	--	--
		167+55.5	64.6' LT	0.25	1	1	25	1	--	--
		169+17.2	50.3' RT	0.25	1	1	25	1	--	--
		170+06.7	65.2' LT	0.25	1	1	25	1	--	--
		172+26.9	50.8' RT	0.25	1	1	25	1	--	--
		172+89.9	64.1' LT	0.25	1	1	25	1	--	--
		174+62.1	50.4' RT	0.25	1	1	25	1	--	--
		178+66.1	63.0' LT	0.25	1	1	25	1	--	--
		179+12.8	52.4' RT	0.25	1	1	25	1	--	--
		179+17.5	33.8' LT	0.25	1	1	25	--	1	1
		182+72.3	33.1' LT	0.25	1	1	25	1	--	--
		186+34.2	33.4' LT	0.25	1	1	25	1	--	--
		188+36.6	33.6' LT	0.25	1	1	25	1	--	--
		209+29.6	63.6' RT	0.25	1	1	25	1	--	--
		210+41.7	59.9' RT	0.25	1	1	25	1	--	--
		231+19.8	290.3' LT	0.25	1	1	25	1	--	--
		232+91.8	307.3' LT	0.25	1	1	25	1	--	--
		233+37.8	240.9' RT	0.25	1	1	25	1	--	--
		233+50.1	280.0' RT	0.25	1	1	25	1	--	--
		234+47.0	209.4' RT	0.25	1	1	25	1	--	--
		234+76.9	225.8' LT	0.25	1	1	25	1	--	--
		245+44.3	76.5' LT	0.25	1	1	25	1	--	--
		247+95.2	51.5' LT	0.25	1	1	25	1	--	--
		251+29.6	51.4' LT	0.25	1	1	25	1	--	--
		254+65.1	51.3' LT	0.25	1	1	25	1	--	--
		258+00.0	51.4' LT	0.25	1	1	25	1	--	--
		261+35.6	51.8' LT	0.25	1	1	25	1	--	--
		264+69.6	51.6' LT	0.25	1	1	25	1	--	--
		266+86.4	51.9' LT	0.25	1	1	25	1	--	--
		270+09.8	51.4' LT	0.25	1	1	25	1	--	--
		273+47.9	53.4' LT	0.25	1	1	25	1	--	--
		274+84.9	56.8' LT	0.25	1	1	25	1	--	--
		276+32.8	56.9' LT	0.25	1	1	25	1	--	--
		SUBTOTAL		9	37	37	925	36	1	1
		TOTAL 0130		27	107	107	2,675	103	4	4

3

ADJUSTING WATER FACILITIES

CATEGORY	LOCATION	LOCATION	* 611.8120.S COVER PLATES TEMPORARY EACH	* SPV.0060.41 SPECIAL (41. ADJUSTING WATER VALVE BOXES) EACH	* SPV.0060.42 SPECIAL (42. ADJUSTING WATER MANHOLES) EACH	REMARKS
0140	STH 181	46+50	--	7	--	INTERSECTION OF N. 76TH ST. & W. FLORIST AVE.
		48+16	--	1	--	W/S OF N. 76TH ST.
		64+85	--	2	--	W/S OF N. 76TH ST.
		69+55	--	3	--	INTERSECTION OF N. 76TH ST. & W. WINFIELD AVE.
		73+00	2	13	2	INTERSECTION OF N. 76TH ST. & W. MILL RD.
		76+18	--	1	--	E/S OF N. 76TH ST.
		79+00	--	3	--	E/S OF N. 76TH ST.
		79+00	--	4	--	W/S OF N. 76TH ST. & W. CLOVERNOOK ST.
		83+00	--	1	--	W/S OF N. 76TH ST.
		86+35	--	5	--	INTERSECTION OF N. 76TH ST. & W. ACACIA ST.
		97+75	--	2	--	E/S OF N. 76TH ST.
		99+55	--	8	--	INTERSECTION OF N. 76TH ST. & W. GREEN TREE RD.
		103+03	--	1	--	W/S OF N. 76TH ST.
		106+21	1	--	1	E/S OF N. 76TH ST. & W. DENVER AVE.
		106+40	--	6	--	INTERSECTION OF N. 76TH ST. & W. DENVER AVE.
		110+50	--	1	--	E/S OF N. 76TH ST.
		112+97	--	1	--	W/S OF N. 76TH ST.
		115+75	2	--	2	E/S OF N. 76TH ST.
		115+76	--	1	--	E/S OF N. 76TH ST.
		116+40	--	1	--	E/S OF N. 76TH ST.
		117+28	--	2	--	W/S OF N. 76TH ST.
		119+71	--	1	--	E/S OF N. 76TH ST.
		120+70	--	2	--	E/S OF N. 76TH ST.
		121+42	--	1	--	W/S OF N. 76TH ST.
		122+89	--	1	--	W/S OF N. 76TH ST.
		123+50	--	2	--	E/S OF N. 76TH ST.
		124+05	--	1	--	W/S OF N. 76TH ST.
		125+60	--	1	--	SEC of N. 76TH ST. & W. GOOD HOPE RD.
		127+00	--	1	--	NWC OF N. 76TH ST. & W. GOOD HOPE RD.
		130+30	--	1	--	E/S OF N. 76TH ST.
		132+60	--	1	--	W/S OF N. 76TH ST.
		137+50	--	6	--	INTERSECTION OF N. 76TH ST. & W. CLINTON AVE.
		142+00	--	2	--	E/S OF N. 76TH ST.
		143+00	--	1	--	W/S OF N. 76TH ST.
		143+50	--	1	--	E/S OF N. 76TH ST.
		145+25	--	2	--	W/S OF N. 76TH ST.
		146+00	--	1	--	W/S OF N. 76TH ST.
		146+50	--	3	--	E/S OF N. 76TH ST.
		148+40	--	1	--	W/S OF N. 76TH ST.
		149+42	--	1	--	E/S OF N. 76TH ST.
		153+00	--	7	--	INTERSECTION OF N.76TH ST. & W. CALUMET RD.
		SUBTOTAL	5	100	5	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ADJUSTING WATER FACILITIES (CONT.)

CATEGORY	LOCATION	STATION	* 611.8120.S COVER PLATES TEMPORARY EACH	* SPV.0060.41 SPECIAL (41. ADJUSTING WATER VALVE BOXES) EACH	* SPV.0060.42 SPECIAL (42. ADJUSTING WATER MANHOLES) EACH	REMARKS
0140	STH 181	156+90	--	1	--	E/S OF N. 76TH ST.
		157+50	--	1	--	W/S OF N. 76TH ST.
		161+00	--	1	--	W/S OF N. 76TH ST.
		163+85	--	1	--	E/S OF N. 76TH ST.
		167+50	--	2	--	W/S OF N. 76TH ST.
		167+50	--	3	--	E/S OF N. 76TH ST.
		170+50	--	1	--	E/S OF N. 76TH ST.
		174+00	--	5	--	INTERSECTION OF N. 76TH ST. & W. LOLITA AVE.
		179+50	--	9	--	INTERSECTION OF N. 76TH ST. & W. BRADLEY RD.
		185+05	--	1	--	E/S OF N. 76TH ST.
		186+33	--	5	--	INTERSECTION OF N. 76TH ST. & W. TOWER AVE.
		187+47	--	2	--	E/S OF N. 76TH ST.
		191+15	--	1	--	E/S OF N. 76TH ST.
		191+80	--	1	--	W/S OF N. 76TH ST.
		193+75	--	1	--	E/S OF N. 76TH ST.
		194+50	--	1	--	W/S OF N. 76TH ST.
		198+24	--	1	--	W/S OF N. 76TH ST.
		199+50	--	1	--	E/S OF N. 76TH ST.
		202+40	--	2	--	W/S OF N. 76TH ST.
		203+00	--	1	--	E/S OF N. 76TH ST.
		206+00	--	8	--	INTERSECTION OF N. 76TH ST. & W. DEAN RD.
		209+00	--	1	--	E/S OF N. 76TH ST.
		209+50	--	1	--	W/S OF N. 76TH ST.
		216+00	--	1	--	W/S OF N. 76TH ST.
		220+56	--	2	--	W/S OF N. 76TH ST.
		225+06	--	1	--	W/S OF N. 76TH ST.
		225+87	--	1	--	W/S OF N. 76TH ST.
		229+65	--	1	--	W/S OF N. 76TH ST.
		236+19	--	1	--	SOUTHBOUND OFF RAMP BY #8825 & N. 76TH ST.
		244+20	--	1	--	W/S OF N. 76TH ST.
		244+90	--	1	--	W/S OF N. 76TH ST.
		260+40	--	4	--	W/S OF N. 76TH ST.
		264+34	--	1	--	W/S OF N. 76TH ST.
		264+86	--	2	--	W/S OF N. 76TH ST.
		264+86	--	1	--	E/S OF N. 76TH ST.
		267+10	--	1	--	W/S OF N. 76TH ST.
		267+73	--	2	--	W/S OF N. 76TH ST.
		272+77	--	1	--	W/S OF N. 76TH ST.
		274+60	--	3	--	INTERSECTION OF N. 76TH ST. & W. GLENBROOK RD.
		278+45	--	1	--	W/S OF N. 76TH ST.
		285+36	--	2	--	E/S OF N. 76TH ST.
	SUBTOTAL		0	78	0	
	TOTAL 0140		5	178	5	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

ADJUSTING CUC MANHOLES

CATEGORY	LOCATION	STATION	OFFSET	* 611.8120.S COVER PLATES TEMPORARY EACH	SPV.0060.46 SPECIAL (46. ADJUSTING CUC MANHOLE COVER) EACH	SPV.0060.47 SPECIAL (47. 4' DIAMETER "DOGHOUSE" MANHOLE TYPE CUC) EACH	SPV.0060.48 SPECIAL (48. 5' DIAMETER "DOGHOUSE" MANHOLE TYPE CUC) EACH	SPV.0060.49 SPECIAL (49. REMOVING CUC MANHOLE) EACH
0130	STH 181	46+30	36' LT	1	1	--	--	--
		46+86	25' LT	1	1	--	--	--
		53+03	25' LT	1	1	--	--	--
		58+20	24' LT	1	1	--	--	--
		64+57	23' LT	1	1	--	--	--
		69+32	20' LT	--	--	1	--	1
		72+92	14' LT	--	--	--	--	1
		72+97	71' LT	1	1	--	--	--
		78+68	25' LT	--	--	1	--	1
		79+92	14' LT	--	--	--	1	--
		83+68	26' LT	1	1	--	--	--
		86+69	17' LT	1	1	--	--	--
		93+48	17' LT	--	--	1	--	1
		100+08	18' LT	--	--	--	1	1
		105+96	18' LT	--	--	1	--	1
		112+40	18' LT	--	--	1	--	1
		116+16	18' LT	--	--	1	--	1
		119+36	18' LT	--	--	1	--	1
		131+86	18' LT	--	--	1	--	1
		137+62	17' LT	1	1	--	--	--
		142+68	17' LT	--	--	1	--	1
		147+72	17' LT	1	1	--	--	--
		152+77	18' LT	1	1	--	--	--
		162+56	18' LT	1	1	--	--	--
		167+65	18' LT	1	1	--	--	--
		173+88	17' LT	--	--	1	--	1
		179+16	72' LT	1	1	--	--	--
		179+22	74' RT	1	1	--	--	--
		179+24	18' LT	1	1	--	--	--
		185+99	17' LT	1	1	--	--	--
		191+77	18' LT	1	1	--	--	--
		198+73	18' LT	1	1	--	--	--
		205+73	16' LT	1	1	--	--	--
		212+40	17' LT	1	1	--	--	--
		218+03	40' LT	1	1	--	--	--
		223+55	9' RT	1	1	--	--	--
		228+30	9' RT	1	1	--	--	--
			TOTAL 0130	24	24	10	2	12

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ADJUSTING MANHOLE COVERS

CATEGORY	LOCATION	STATION	OFFSET	* 390.0405 BASE PATCHING CONCRETE SHES CY	* 465.0110 ASPHALTIC SURFACE PATCHING TON	* 611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	* 611.8120.S COVER PLATES TEMPORARY EACH	* 690.0150 SAWING ASPHALT LF
0010	STH 181	45+99.0	26.0' LT	0.25	1	1	--	1	25
		46+37.6	21.8' RT	0.25	1	1	--	1	25
		46+74.4	26.7' LT	0.25	1	1	--	1	25
		49+02.2	36.6' LT	0.25	1	1	--	1	25
		49+03.4	15.1' LT	0.25	1	1	--	1	25
		51+49.9	14.5' LT	0.25	1	1	--	1	25
		53+71.3	15.1' LT	0.25	1	1	--	1	25
		58+97.8	14.9' LT	0.25	1	1	--	1	25
		61+49.7	14.5' LT	0.25	1	1	--	1	25
		62+50.4	15.7' LT	0.25	1	1	--	1	25
		63+49.5	31' LT	0.25	1	1	--	1	25
		65+49.2	29.1' LT	0.25	1	1	--	1	25
		66+44.6	29.1' LT	0.25	1	1	--	1	25
		67+37.2	42.2' RT	0.25	1	1	--	1	25
		67+51.88	29.3' LT	0.25	1	1	--	1	25
		68+92.5	42.0' RT	0.25	1	1	--	1	25
		68+99.3	29.4' LT	0.25	1	1	--	1	25
		69+47.1	67.6' LT	0.25	1	1	--	1	25
		69+61.4	93.4' RT	0.25	1	1	--	1	25
		69+61.3	42.3' RT	0.25	1	1	--	1	25
		69+63.8	29.4' LT	0.25	1	1	--	1	25
		69+67.0	29' LT	0.25	1	1	--	1	25
		69+96.7	28.3' LT	0.25	1	1	--	1	25
		70+11.0	42.2' RT	0.25	1	1	--	1	25
		70+98.2	28.9' LT	0.25	1	1	--	1	25
		71+35.4	31.3' LT	0.25	1	1	--	1	25
		71+37.1	42.2' RT	0.25	1	1	--	1	25
		72+06.0	29.0' LT	0.25	1	1	--	1	25
		72+39.0	42.0' RT	0.25	1	1	--	1	25
		72+85.8	30.7' LT	0.25	1	1	--	1	25
		73+32.5	72.1' LT	0.25	1	1	--	1	25
		73+33.6	42.4' RT	0.25	1	1	--	1	25
		73+35.0	13.0' LT	0.25	1	1	--	1	25
		73+74.0	43.9' RT	0.25	1	1	--	1	25
		73+80.0	34.5' LT	0.25	1	1	--	1	25
		75+99.7	44.4" RT	0.25	1	1	--	1	25
		76+40.3	34.0' LT	0.25	1	1	--	1	25
		79+14.4	40.7' LT	0.25	1	1	--	1	25
		79+15.0	72.0' LT	0.25	1	1	--	1	25
		79+16.0	40.1' RT	0.25	1	1	--	1	25
		79+16.7	4.7' RT	0.25	1	1	--	1	25
		79+51.0	43.8' LT	0.25	1	1	--	1	25
		79+59.4	41.4' RT	0.25	1	1	--	1	25
		81+04.8	42.4' LT	0.25	1	1	--	1	25
		81+94.4	42.4' LT	0.25	1	1	--	1	25
		81+99.4	40.4' RT	0.25	1	1	--	1	25
		83+14.5	42.1' LT	0.25	1	1	--	1	25
		84+34.0	44.0' LT	0.25	1	1	--	1	25
	SUBTOTAL 0010			12	48	48	0	48	1,200

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ADJUSTING MANHOLE COVERS (CONT)

CATEGORY	LOCATION	STATION	OFFSET	* 390.0405 BASE PATCHING CONCRETE SHES CY	* 465.0110 ASPHALTIC SURFACE PATCHING TON	* 611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	* 611.8120.S COVER PLATES TEMPORARY EACH	* 690.0150 SAWING ASPHALT LF
0010	STH 181	84+93.9	42.2' LT	0.25	1	1	--	1	25
		85+93.6	42.7' LT	0.25	1	1	--	1	25
		85+97.0	78.0' RT	--	--	--	1	--	11
		86+35.4	39.9' RT	0.25	1	1	--	1	25
		86+34.1	44.2' LT	0.25	1	1	--	1	25
		88+99.4	24.8' RT	0.25	1	1	--	1	25
		91+49.1	25.3' RT	0.25	1	1	--	1	25
		93+99.0	25.7' RT	0.25	1	1	--	1	25
		96+64.9	25.8' RT	0.25	1	1	--	1	25
		97+86.5	34.8' LT	0.25	1	1	--	1	25
		99+12.1	35.1' RT	0.25	1	1	--	1	25
		99+46.5	21.8' LT	0.25	1	1	--	1	25
		99+65.5	35.5' LT	0.25	1	1	--	1	25
		99+65.3	70.4' LT	0.25	1	1	--	1	25
		99+67.0	34.8' RT	0.25	1	1	--	1	25
		100+24.9	33.9' RT	0.25	1	1	--	1	25
		100+28.0	34.3' LT	0.25	1	1	--	1	25
		100+30.0	47.0' LT	--	--	--	1	--	11
		101+33.9	34.3' LT	0.25	1	1	--	1	25
		101+79.0	35.4' RT	0.25	1	1	--	1	25
		102+87.4	33.9' RT	0.25	1	1	--	1	25
		102+88.3	35.6' LT	0.25	1	1	--	1	25
		104+45.1	33.8' LT	0.25	1	1	--	1	25
		105+56.7	34.5' LT	0.25	1	1	--	1	25
		105+74.1	35.8' RT	0.25	1	1	--	1	25
		106+27.5	35.4' LT	0.25	1	1	--	1	25
		106+27.0	78.0' LT	0.25	1	1	--	1	25
		108+49.9	34.4' RT	0.25	1	1	--	1	25
		108+50.5	35.8' LT	0.25	1	1	--	1	25
		110+10.4	37.3' LT	0.25	1	1	--	1	25
		111+49.9	34.2' RT	0.25	1	1	--	1	25
		111+49.8	35.6' LT	0.25	1	1	--	1	25
		113+99.2	34.0' RT	0.25	1	1	--	1	25
		114+01.8	35.6' LT	0.25	1	1	--	1	25
		115+86.7	45.2' RT	0.25	1	1	--	1	25
		117+63.1	36.5' RT	0.25	1	1	--	1	25
		118+45.0	52.0' LT	0.25	1	1	--	1	25
		118+49.9	34.6' RT	0.25	1	1	--	1	25
		120+96.6	78.7' RT	0.25	1	1	--	1	25
		120+99.4	34.3' RT	0.25	1	1	--	1	25
		121+02.0	52.0' LT	0.25	1	1	--	1	25
		121+06.0	47.0' RT	--	--	--	1	--	11
		123+02.0	52.0' LT	0.25	1	1	--	1	25
		123+61.0	35.0' RT	0.25	1	1	--	1	25
		130+22.2	33.1' LT	0.25	1	1	--	1	25
		130+30.1	43.6' RT	0.25	1	1	--	1	25
		131+53.3	43.9' RT	0.25	1	1	--	1	25
		133+30.4	43.9' RT	0.25	1	1	--	1	25
		133+45.9	34.6' LT	0.25	1	1	--	1	25
		133+96.5	35.8' LT	0.25	1	1	--	1	25
		135+44.6	41.3' RT	0.25	1	1	--	1	25
		137+84.0	47.0' LT	--	--	--	1	--	11
		SUBTOTAL 0010		12	48	48	4	48	1,244

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ADJUSTING MANHOLE COVERS (CONT)

CATEGORY	LOCATION	STATION	OFFSET	* 390.0405 BASE PATCHING CONCRETE SHES CY	* 465.0110 ASPHALTIC SURFACE PATCHING TON	* 611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	* 611.8120.S COVER PLATES TEMPORARY EACH	* 690.0150 SAWING ASPHALT LF
0010	STH 181	137+90.0	34.4' LT	0.25	1	1	--	1	25
		138+23.2	41.7' RT	0.25	1	1	--	1	25
		138+70.1	42.2' RT	0.25	1	1	--	1	25
		139+48.7	34.5' LT	0.25	1	1	--	1	25
		139+80.8	43.9' RT	0.25	1	1	--	1	25
		141+28.8	35.1' LT	0.25	1	1	--	1	25
		141+70.2	42.2' RT	0.25	1	1	--	1	25
		143+65.5	35.2' LT	0.25	1	1	--	1	25
		143+80.7	42.2' RT	0.25	1	1	--	1	25
		144+94.3	42.6' RT	0.25	1	1	--	1	25
		146+44.1	42.9' RT	0.25	1	1	--	1	25
		146+49.8	35.2' LT	0.25	1	1	--	1	25
		149+05.0	42.7' RT	0.25	1	1	--	1	25
		149+09.6	34.8' LT	0.25	1	1	--	1	25
		151+54.1	43.7' RT	0.25	1	1	--	1	25
		151+58.5	35.6' LT	0.25	1	1	--	1	25
		153+30.6	43.9' RT	0.25	1	1	--	1	25
		153+63.0	33.7' RT	0.25	1	1	--	1	25
		154+59.9	33.5' RT	0.25	1	1	--	1	25
		154+89.9	33.5' RT	0.25	1	1	--	1	25
		155+96.7	33.4' RT	0.25	1	1	--	1	25
		156+33.8	33.5' RT	0.25	1	1	--	1	25
		156+50.1	34.2' LT	0.25	1	1	--	1	25
		158+49.2	34.8' LT	0.25	1	1	--	1	25
		158+50.4	34.4' RT	0.25	1	1	--	1	25
		159+84.0	33.0' RT	0.25	1	1	--	1	25
		160+29.8	34.2' RT	0.25	1	1	--	1	25
		160+50.6	35.7' LT	0.25	1	1	--	1	25
		161+32.1	33.8' RT	0.25	1	1	--	1	25
		162+95.1	33.9' RT	0.25	1	1	--	1	25
		163+28.6	34.7' LT	0.25	1	1	--	1	25
		165+47.9	34.9' RT	0.25	1	1	--	1	25
		165+49.0	36.9' LT	0.25	1	1	--	1	25
		165+92.4	34.9' LT	0.25	1	1	--	1	25
		166+37.5	33.4' RT	0.25	1	1	--	1	25
		168+09.0	34.1' RT	0.25	1	1	--	1	25
		168+09.6	35.0' LT	0.25	1	1	--	1	25
		168+87.6	33.3' RT	0.25	1	1	--	1	25
		170+54.0	34.2' RT	0.25	1	1	--	1	25
		170+54.9	35.2' LT	0.25	1	1	--	1	25
		172+19.2	33.6' RT	0.25	1	1	--	1	25
		172+77.9	34.9' LT	0.25	1	1	--	1	25
		172+79.7	35.2' RT	0.25	1	1	--	1	25
		173+73.5	34.8' RLT	0.25	1	1	--	1	25
		173+75.8	34.6' RT	0.25	1	1	--	1	25
		173+77.0	89.0' LT	--	--	--	1	--	11
		174+27.0	71.0' LT	--	--	--	1	--	11
		174+65.0	34.0' LT	0.25	1	1	--	1	25
		176+88.9	34.9' LT	0.25	1	1	--	1	25
		176+99.8	35.2' RT	0.25	1	1	--	1	25
	SUBTOTAL 0010			12	48	48	2	48	1,222

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ADJUSTING MANHOLE COVERS (CONT)

CATEGORY	LOCATION	STATION	OFFSET	* 390.0405 BASE PATCHING CONCRETE SHES CY	* 465.0110 ASPHALTIC SURFACE PATCHING TON	* 611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	* 611.8120.S COVER PLATES TEMPORARY EACH	* 690.0150 SAWING ASPHALT LF
0010	STH 181	177+90.4	34.6' RT	0.25	1	1	--	1	25
		178+69.2	35.7' LT	0.25	1	1	--	1	25
		179+09.7	63.3' LT	0.25	1	1	--	1	25
		179+78.9	48.7' RT	0.25	1	1	--	1	25
		180+07.1	39.0' RT	0.25	1	1	--	1	25
		181+79.8	38.4' RT	0.25	1	1	--	1	25
		182+93.1	46.9' LT	0.25	1	1	--	1	25
		183+34.9	38.9' RT	0.25	1	1	--	1	25
		186+17.4	45.7' LT	0.25	1	1	--	1	25
		186+66.7	37.7' RT	0.25	1	1	--	1	25
		186+77.0	47.0' RT	--	--	--	1	--	11
		186+81.7	6.3' RT	0.25	1	1	--	1	25
		202+26.2	34.5' LT	0.25	1	1	--	1	25
		202+38.8	6.6' RT	0.25	1	1	--	1	25
		202+68.0	35.2' RT	0.25	1	1	--	1	25
		205+01.6	34.7' RT	0.25	1	1	--	1	25
		205+48.0	34.6' RT	0.25	1	1	--	1	25
		205+89.7	64.2' LT	0.25	1	1	--	1	25
		205+90.7	23.3' LT	0.25	1	1	--	1	25
		205+90.8	45.0' RT	0.25	1	1	--	1	25
		206+09.0	75.0' LT	0.25	1	1	--	1	25
		206+51.8	35.3' LT	0.25	1	1	--	1	25
		207+81.7	34.8' LT	0.25	1	1	--	1	25
		209+01.3	35.1' LT	0.25	1	1	--	1	25
		210+78.5	35.7' LT	0.25	1	1	--	1	25
		212+23.7	37.1' LT	0.25	1	1	--	1	25
		212+81.3	34.9' LT	0.25	1	1	--	1	25
		213+64.5	34.9' LT	0.25	1	1	--	1	25
		215+00.2	35.5' LT	0.25	1	1	--	1	25
		216+24.8	36.1' LT	0.25	1	1	--	1	25
		217+11.3	34.4' LT	0.25	1	1	--	1	25
		219+49.5	32.3' LT	0.25	1	1	--	1	25
		223+31.1	35.6' RT	0.25	1	1	--	1	25
NB BROWN DEER EXIT RAMP		226+13.5	7.0' LT	0.25	1	1	--	1	25
		229+15.8	7.9' LT	0.25	1	1	--	1	25
SB BROWN DEER ENTRANCE RAMP		228+53.7	17.5' RT	0.25	1	1	--	1	25
		229+56.5	24.8' RT	0.25	1	1	--	1	25
		231+90.2	111.5' RT	0.25	1	1	--	1	25
SB BROWN DEER EXIT RAMP		233+39.0	72.2' RT	0.25	1	1	--	1	25
		234+01.5	46.1' RT	0.25	1	1	--	1	25
		237+00.3	8.2' RT	0.25	1	1	--	1	25
NB BROWN DEER ENTRANCE RAMP		237+97.1	36.3' LT	0.25	1	1	--	1	25
STH 181		236+48.5	29.1' LT	0.25	1	1	--	1	25
		236+91.2	28.4' LT	0.25	1	1	--	1	25
		239+00.2	35.1' LT	0.25	1	1	--	1	25
		239+58.0	34.3' LT	0.25	1	1	--	1	25
		242+01.8	35.0' LT	0.25	1	1	--	1	25
		245+54.3	34.8' LT	0.25	1	1	--	1	25
		246+25.6	31.1' RT	0.25	1	1	--	1	25
			SUBTOTAL 0010	12	48	48	1	48	1,211

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ADJUSTING MANHOLE COVERS (CONT)

CATEGORY	LOCATION	STATION	OFFSET	* 390.0405 BASE PATCHING CONCRETE SHES CY	* 465.0110 ASPHALTIC SURFACE PATCHING TON	* 611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	* 611.8120.S COVER PLATES TEMPORARY EACH	* 690.0150 SAWING ASPHALT LF
0010	STH 181	247+48.0	35.1' LT	0.25	1	1	--	1	25
		248+48.4	31.1' RT	0.25	1	1	--	1	25
		250+53.6	33.0' LT	0.25	1	1	--	1	25
		251+13.0	30.3' RT	0.25	1	1	--	1	25
		251+23.7	35.3' LT	0.25	1	1	--	1	25
		253+41.5	30.9' RT	0.25	1	1	--	1	25
		253+43.0	35.5' LT	0.25	1	1	--	1	25
		253+97.0	35.0' LT	0.25	1	1	--	1	25
		254+30.3	32.8' LT	0.25	1	1	--	1	25
		255+93.9	33.1' LT	0.25	1	1	--	1	25
		255+94.9	30.6' RT	0.25	1	1	--	1	25
		257+35.9	34.3' LT	0.25	1	1	--	1	25
		257+36.0	61.0' LT	0.25	1	1	--	1	25
		257+98.0	29.7' RT	0.25	1	1	--	1	25
		257+98.0	35.4' LT	0.25	1	1	--	1	25
		258+42.8	33.6' LT	0.25	1	1	--	1	25
		258+49.2	30.1' RT	0.25	1	1	--	1	25
		260+92.7	30.6' RT	0.25	1	1	--	1	25
		261+00.8	35.4' LT	0.25	1	1	--	1	25
		261+78.5	34.2' LT	0.25	1	1	--	1	25
		263+23.9	34.9' LT	0.25	1	1	--	1	25
		263+24.9	29.9' RT	0.25	1	1	--	1	25
		263+74.2	34.1' LT	0.25	1	1	--	1	25
		265+01.5	34.9' LT	0.25	1	1	--	1	25
		266+51.1	30.9' RT	0.25	1	1	--	1	25
		266+52.5	34.5' LT	0.25	1	1	--	1	25
		268+89.0	58.0' LT	0.25	1	1	--	1	25
		268+90.1	30.9' RT	0.25	1	1	--	1	25
		268+90.1	34.9' LT	0.25	1	1	--	1	25
		270+53.9	31.4' RT	0.25	1	1	--	1	25
		271+48.4	31.0' RT	0.25	1	1	--	1	25
		271+48.4	34.4' LT	0.25	1	1	--	1	25
		274+36.9	34.2' LT	0.25	1	1	--	1	25
		274+99.2	35.0' LT	0.25	1	1	--	1	25
		275+01.0	69.0' LT	--	--	--	1	--	11
		276+35.0	52.0' LT	0.25	1	1	--	1	25
		276+50.3	35.6' RT	0.25	1	1	--	1	25
		276+52.2	35.6' LT	0.25	1	1	--	1	25
		279+00.6	36.1' LT	0.25	1	1	--	1	25
		280+32.5	34.1' LT	0.25	1	1	--	1	25
		280+98.8	34.6' RT	0.25	1	1	--	1	25
	SUBTOTAL 0010			10	40	40	1	40	1,011
	TOTAL 0010			58	232	232	8	232	5,888

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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EROSION CONTROL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF
0010	46+00	-	73+11	FLORIST AVE TO MILL RD	1,094	1,094	1	68	--
	73+11	-	86+50	MILL RD TO ACACIA ST	--	--	--	33	--
	86+50	-	99+70	ACACIA ST TO GREEN TREE RD	--	--	--	26	--
	99+70	-	126+24	GREEN TREE RD TO GOOD HOPE RD	--	--	--	44	--
	126+24	-	152+84	GOOD HOPE RD TO CALUMET RD	--	--	--	44	--
	152+84	-	179+41	CALUMET RD TO BRADLEY RD	--	--	--	37	--
	179+41	-	206	BRADLEY RD TO DEAN RD/SERVITE DR	--	--	--	39	--
	206	-	250+50	DEAN RD/SERVITE DR TO ALLYN ST	631	631	--	63	--
	--	-	--	NB BROWN DEER OFF RAMP	--	--	2	7	--
	--	-	--	NB BROWN DEER ON RAMP	--	--	2	4	--
	--	-	--	SB BROWN DEER OFF RAMP	--	--	2	7	--
	--	-	--	SB BROWN DEER ON RAMP	--	--	2	7	--
	250+50	-	287+11	ALLYN ST TO COUNTY LINE RD	801	801		61	--
				UNDISTRIBUTED	254	254	1	--	--
				TOTAL 0010	2,780	2,780	10	440	0
0120	--	-	--	NB BROWN DEER OFF RAMP	436	436	4	--	179
				UNDISTRIBUTED	44	44	1	--	51
				TOTAL 0120	480	480	5	0	230
				PROJECT TOTAL	3,260	3260	15	440	230

MOBILIZATION

CATEGORY	PROJECT	619.1000 MOBILIZATION EACH
0010	2140-14-70	1
	TOTAL 0010	1

MOB EROSION CONTROL

CATEGORY	PROJECT	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	2140-14-70	11	8
	TOTAL 0010	11	8

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TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0810.S CONNECTED ARROW BOARD EACH	643.0810.S CONNECTED ARROW BOARD DAY	* 643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1070 TRAFFIC CONTROL CONES 42-INCH EACH	643.1070 TRAFFIC CONTROL CONES 42-INCH DAY
0010	STAGE 1	36	**1528**	55,008	**150**	5,400	**300**	10,800	**103**	3,708	**5**	180	**250**	9,000	1	**5**	180
	STAGE 2	17	**1919**	32,623	**193**	3,281	**386**	6,562	**87**	1,479	**5**	85	**377**	6,409	--	--	--
	STAGE 3A	49	**289**	14,161	**198**	9,702	**396**	19,404	**49**	2,401	**6**	294	**244**	11,956	--	**1276**	62,524
	STAGE 3B	34	**80**	2,720	**293**	9,962	**586**	19,924	**61**	2,074	**4**	136	**362**	12,308	--	**1666**	56,644
	STAGE 4A	7	**289**	2,023	**139**	973	**278**	1,946	**110**	770	**5**	35	**253**	1,771	--	**1331**	9,317
	STAGE 4B	6	**225**	1,350	**166**	996	**332**	1,992	**79**	474	**4**	24	**338**	2,028	--	**1551**	9,306
	TOTAL 0010			107,885		30,314		60,628		10,906		754		43,472	1		137,971

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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TRAFFIC CONTROL (CONT)

CATEGORY	STAGE	* 643.3165 TEMPORARY MARKING LINE PAINT 6-INCH YELLOW LF	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH WHITE LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH YELLOW LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH WHITE LF	643.3185 TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 6-INCH (12.5' LINE, 36.5'GAP) LF	643.3265 TEMPORARY MARKING LINE PAINT 10-INCH WHITE LF	643.3280 TEMPORARY MARKING LINE REMOVABLE TAPE 10-INCH WHITE LF
0010	STAGE 1	**375**	**44631**	--	--	--	**2871**	
	STAGE 2	--	--	**48872**	**819**	**2171**	--	**11456**
	STAGE 3A	--	--	--	**2845**	--	--	--
	STAGE 3B	--	--	**1944**	**129**	**31**	--	**340**
	STAGE 4A	--	--	--	--	--	--	--
	STAGE 4B	--	--	**998**	**502**	**101**	--	**73**
	UNDISTRIBUTED	--	--	--	--	--	--	--
	TOTAL 0010	375	44,631	51,813	4,296	2,303	2,871	11,869
		45006		56109				

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 TRAFFIC CONTROL EACH
0010	2140-14-70	1
	TOTAL 0010	1

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET 554	E

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RESTORATION

CATEGORY	LOCATION	625.0100 TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	631.1000 SOD LAWN SY	REMARKS
0010	FLORIST AVE	26	0.02	26	
	STH 181 MAINLINE	260	0.16	260	BEAMGUARD REPLACEMENT
	WINFIELD AVE	49	0.03	49	
	MILL RD	21	0.01	21	
	CLOVERNOOK ST	13	0.01	13	
	ACACIA ST	22	0.01	22	
	GREEN TREE RD	21	0.01	21	
	DENVER AVE	11	0.01	11	
	STH 181 MAINLINE STA 119+73	22	0.01	22	MIDBLOCK CROSSING AND PICK N SAVE DRIVEWAY
	PICK N SAVE DRIVEWAY	57	0.04	57	
	GOOD HOPE RD	4	0.00	4	
	CLINTON AVE	14	0.01	14	
	STH 181 MAINLINE STA 143+75	1	0.00	1	MIDBLOCK CROSSING
	CALUMET RD	14	0.01	14	
	LOLITA AVE	9	0.01	9	
	BRADLEY RD	8	0.01	8	
	TOWER AVE	13	0.01	13	
	DEAN RD/SERVITE DR	17	0.01	17	
	STH 181 MAINLINE	158	0.10	158	BEAMGUARD REPLACEMENT
	ALLYN ST	19	0.01	19	
	NORTHRIDGE LAKES BLVD	16	0.01	16	
	FAIRY CHASM DR	13	0.01	13	
	STH 181 MAINLINE STA 270+00	7	0.00	7	MIDBLOCK CROSSING
	GLENBROOK RD	23	0.01	23	
	UNDISTRIBUTED	1,145	0.72	1,145	SIGNAL RESTORATION
	TOTAL 0010	1,962	1.24	1,962	
0120	NB BROWN DEER EXIT RAMP	1,166	0.73	1,166	PROPOSED SIDEWALK
	GLENBROOK RD TO COUNTY LINE RD	1,284	0.81	1,284	PROPOSED SIDEWALK
	UNDISTRIBUTED	25	0.04	25	
	TOTAL 0030	2,475	1.58	2,475	
	PROJECT TOTAL	4437	2.82	4437	

CONNECTED WORK ZONE MARKERS

643.1200.S

CATEGORY	STAGE	ROADWAY	DIRECTION	CONNECTED WORK ZONE START AND END LOCATION MARKERS DAY
0010	1	STH 181	NB	2
			SB	2
		MILL RD	EB	2
			WB	2
		GOOD HOPE RD	EB	2
			WB	2
		TOWER AVE	EB	1
			WB	1
	2	STH 181	NB	2
			SB	2
		MILL RD	EB	2
			WB	2
		GOOD HOPE RD	EB	2
			WB	2
	3A	STH 181	NB	2
			SB	2
		MILL RD	EB	2
			WB	2
		GOOD HOPE RD	EB	2
			WB	2
		TOWER AVE	EB	1
			WB	1
	3B	STH 181	NB	2
			SB	2
		MILL RD	EB	2
			WB	2
		GOOD HOPE RD	EB	2
			WB	2
	4A	STH 181	NB	2
			SB	2
		MILL RD	EB	2
			WB	2
		GOOD HOPE RD	EB	2
			WB	2
	4B	STH 181	NB	2
			SB	2
		MILL RD	EB	2
			WB	2
		GOOD HOPE RD	EB	2
			WB	2
		TOTAL 0010		76

3

TRAFFIC CONTROL PEDESTRIAN ACCOMODATION

CATEGORY	STATION	TO	STATION	LOCATION	DAYS	** 643.0900 TRAFFIC CONTROL SIGNS **EACH**	DAYS	** 643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH LF	** 644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF	** 644.1601 TEMPORARY PEDESTRIAN CURB RAMP **EACH**	DAYS	** 644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	** 644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	** 644.1900.S TEMPORARY AUDIBLE MESSAGE DEVICES EACH
0010	46+13	-	47+94	FLORIST AVE NW QUADRANT CONSTRUCTION	7	6	42	158	71	1	7	36	156	3
	45+65	-	47+04	FLORIST AVE SW QUADRANT CONSTRUCTION	7	6	42	-	50	1	7	-	198	3
	45+50	-	47+05	FLORIST AVE SE QUADRANT CONSTRUCTION	7	6	42	134	81	1	7	38	162	3
	46+13	-	47+23	FLORIST AVE NE QUADRANT CONSTRUCTION	7	5	35	-	-	--	0	-	96	3
	45+87	-	47+53	FLORIST AVE NORTH MEDIAN CONSTRUCTION	7	9	63	-	-	--	0	-	36	4
	45+55	-	47+25	FLORIST AVE SOUTH MEDIAN CONSTRUCTION	7	9	63	-	-	-	0	-	36	4
	69+13	-	70+18	WINFIELD AVE NW QUADRANT CONSTRUCTION	7	6	42	134	51	1	7	40	150	3
	68+83	-	69+97	WINFIELD AVE SW QUADRANT CONSTRUCTION	7	6	42	-	51	1	7	-	156	3
	68+73	-	70+33	WINFIELD AVE NE & SE QUADRANT CONSTRUCTION	7	2	14	120	74	2	14	32	294	4
	68+97	-	70+22	WINFIELD AVE NORTH MEDIAN CONSTRUCTION	7	6	42	-	-	-	0	-	36	4
	68+90	-	70+11	WINFIELD AVE SOUTH MEDIAN CONSTRUCTION	7	6	42	-	-	-	0	-	36	4
	72+49	-	73+94	MILL RD NW QUADRANT CONSTRUCTION	7	6	42	214	23	1	7	40	156	3
	72+13	-	73+69	MILL RD SW QUADRANT CONSTRUCTION	7	6	42	-	51	1	7	-	180	3
	71+84	-	72+78	MILL RD SE QUADRANT CONSTRUCTION	7	6	42	-	121	2	14	20	234	3
	73+47	-	74+02	MILL RD NE QUADRANT CONSTRUCTION	7	2	14	88	61	2	14	36	234	3
	72+38	-	74+02	MILL RD N MEDIAN CONSTRUCTION	7	11	77	-	-	-	0	-	36	4
	72+36	-	73+80	MILL RD S MEDIAN CONSTRUCTION	7	11	77	-	-	-	0	-	36	4
	78+70	-	79+65	CLOVERNOOK RD NW QUADRANT CONSTRUCTION	7	6	42	142	18	1	7	30	120	3
	78+46	-	79+64	CLOVERNOOK RD SW QUADRANT CONSTRUCTION	7	3	21	150	121	3	21	46	276	3
	78+50	-	78+92	CLOVERNOOK RD SE QUADRANT CONSTRUCTION	7	2	14	-	75	2	14	10	162	4
	78+51	-	86+02	CLOVERNOOK RD SOUTH MEDIAN CONSTRUCTION	7	14	98	-	-	-	0	-	36	4
	86+00	-	87+40	ACACIA ST NW QUADRANT CONSTRUCTION	7	6	42	130	78	1	7	40	156	3
	85+76	-	86+79	ACACIA ST SW QUADRANT CONSTRUCTION	7	6	42	-	55	1	7	-	144	3
	85+38	-	86+78	ACACIA ST SE QUADRANT CONSTRUCTION	7	7	49	128	78	1	7	40	156	3
	86+01	-	87+02	ACACIA ST NE QUADRANT CONSTRUCTION	7	6	42	-	50	1	7	-	138	3
	85+98	-	87+21	ACACIA ST NORTH MEDIAN CONSTRUCTION	7	14	98	-	-	-	0	-	36	4
	85+88	-	87+32	ACACIA ST SOUTH MEDIAN CONSTRUCTION	7	14	98	-	-	-	0	-	36	4
	99+22	-	101+02	GREEN TREE RD NW QUADRANT CONSTRUCTION	7	6	42	180	82	1	7	40	138	3
	99+04	-	100+26	GREEN TREE RD SW QUADRANT CONSTRUCTION	7	6	42	-	50	1	7	-	132	3
	98+54	-	100+26	GREEN TREE RD SE QUADRANT CONSTRUCTION	7	4	28	149	190	2	14	40	312	4
	99+22	-	100+56	GREEN TREE RD NE QUADRANT CONSTRUCTION	7	3	21	178	51	1	7	40	144	3
	99+10	-	100+55	GREEN TREE RD NORTH MEDIAN CONSTRUCTION	7	12	84	-	-	-	0	-	36	4
	99+12	-	100+35	GREEN TREE RD SOUTH MEDIAN CONSTRUCTION	7	12	84	-	-	-	0	-	36	4
	105+66	-	107+45	DENVER AVE NW & SW QUADRANT CONSTRUCTION	7	11	77	190	102	2	14	40	252	4
	105+43	-	107+14	DENVER AVE NE & SE QUADRANT CONSTRUCTION	7	2	14	196	100	2	14	40	228	4
	105+54	-	107+45	DENVER AVE NORTH MEDIAN CONSTRUCTION	7	10	70	-	-	-	0	-	36	4
	105+75	-	107+05	DENVER AVE SOUTH MEDIAN CONSTRUCTION	7	10	70	-	-	-	0	-	36	4
	119+51	-	120+10	STA 119+73 LT	7	2	14	-	104	2	14	10	162	2
	119+52	-	121+43	STA 119+73 RT	7	2	14	284	101	2	14	30	138	2
	119+72	-	125+53	STA 119+73 SOUTH MEDIAN CONSTRUCTION	7	12	84	-	-	-	0	-	36	4
	125+45	-	127+65	GOOD HOPE RD NW QUADRANT CONSTRUCTION	7	5	35	332	174	2	14	56	312	4
	124+49	-	126+94	GOOD HOPE RD SE QUADRANT CONSTRUCTION	7	4	28	234	188	2	14	40	378	4
	125+45	-	127+23	GOOD HOPE RD NE QUADRANT CONSTRUCTION	7	3	21	-	-	-	0	-	162	3
	136+91	-	138+31	CLINTON AVE NW QUADRANT CONSTRUCTION	7	4	28	117	89	2	14	40	330	3
	136+67	-	137+21	CLINTON AVE SW QUADRANT CONSTRUCTION	7	2	14	-	102	2	14	20	246	3
	136+68	-	138+04	CLINTON AVE NE & SE QUADRANT CONSTRUCTION	7	2	14	148	72	2	14	40	204	4
	136+63	-	138+07	CLINTION AVE NORTH MEDIAN CONSTRUCTION	7	10	70	-	-	-	0	-	36	4
	136+86	-	138+09	CLINTION AVE SOUTH MEDIAN CONSTRUCTION	7	10	70	-	-	-	0	-	36	4
				SUBTOTAL			2233	3406	2514		322	844	6882	166

** TABLE CONTINUES ON NEXT SHEET

TRAFFIC CONTROL PEDESTRIAN ACCOMODATION (CONT.)

CATEGORY	STATION	TO	STATION	LOCATION	DAYS	** 643.0900 TRAFFIC CONTROL SIGNS **EACH**	DAYS	** 643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH LF	** 644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF	** 644.1601 TEMPORARY PEDESTRIAN CURB RAMP **EACH**	DAYS	** 644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	** 644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	** 644.1900.S TEMPORARY AUDIBLE MESSAGE DEVICES EACH
0010	143+48	-	144+00	STA 143+75 RT	7	2	14	-	103	2	14	10	150	2
	152+39	-	154+13	CALUMET RD NW QUADRANT CONSTRUCTION	7	4	28	150	152	2	14	40	294	4
	152+13	-	153+48	CALUMET RD SW QUADRANT CONSTRUCTION	7	3	21	-	52	1	7	-	186	3
	151+74	-	153+51	CALUMET RD SE QUADRANT CONSTRUCTION	7	3	21	170	78	1	7	40	144	3
	152+50	-	153+75	CALUMET RD NE QUADRANT CONSTRUCTION	7	6	42	-	51	1	7	-	144	3
	152+24	-	153+68	CALUMET RD NORTH MEDIAN CONSTRUCTION	7	9	63	-	-	-	0	-	36	4
	152+38	-	153+63	CALUMET RD SOUTH MEDIAN CONSTRUCTION	7	12	84	-	-	-	0	-	36	4
	173+78	-	175+15	LOLITA AVE NW QUADRANT CONSTRUCTION	7	3	21	92	148	2	14	30	264	3
	173+75	-	174+37	LOLITA AVE SW QUADRANT CONSTRUCTION	7	2	14	-	-	-	0	-	24	4
	173+90	-	178+82	LOLITA AVE NORTH MEDIAN CONSTRUCTION	7	14	98	-	-	-	0	-	36	4
	178+79	-	180+71	BRADLEY RD NW QUADRANT CONSTRUCTION	7	3	21	204	83	1	7	40	138	3
	178+56	-	179+96	BRADLEY RD SW QUADRANT CONSTRUCTION	7	5	35	-	52	1	7	-	138	3
	178+56	-	179+96	BRADLEY RD SE QUADRANT CONSTRUCTION	7	3	21	204	83	1	7	40	138	3
	178+83	-	180+21	BRADLEY RD NE QUADRANT CONSTRUCTION	7	7	49	204	52	1	7	40	138	3
	178+76	-	180+11	BRADLEY RD NORTH MEDIAN CONSTRUCTION	7	10	70	-	-	-	0	-	36	4
	178+69	-	180+10	BRADLEY RD SOUTH MEDIAN CONSTRUCTION	7	10	70	-	-	-	0	-	36	4
	185+63	-	186+98	TOWER AVE NW & SW QUADRANT CONSTRUCTION	7	4	28	134	76	2	14	40	222	4
	185+63	-	186+98	TOWER AVE NE & SE QUADRANT CONSTRUCTION	7	2	14	134	73	2	14	40	216	4
	185+77	-	186+92	TOWER AVE NORTH MEDIAN CONSTRUCTION	7	7	49	-	-	-	0	-	36	4
	205+54	-	207+12	SERVITE DR NW QUADRANT CONSTRUCTION	7	5	35	196	269	2	14	56	324	4
	205+24	-	205+82	SERVITE DR SW QUADRANT CONSTRUCTION	7	2	14	-	152	2	14	20	240	3
	205+36	-	206+42	SERVITE DR SE QUADRANT CONSTRUCTION	7	4	28	104	128	2	14	40	282	3
	205+54	-	206+66	SERVITE DR NE QUADRANT CONSTRUCTION	7	4	28	-	124	2	14	-	294	3
	205+48	-	206+53	SERVITE DR NORTH MEDIAN CONSTRUCTION	7	14	98	-	-	-	0	-	36	4
	205+39	-	206+59	SERVITE DR SOUTH MEDIAN CONSTRUCTION	7	14	98	-	-	-	0	-	36	4
	249+34	-	251+55	ALLYN ST NW & SW QUADRANT CONSTRUCTION	7	3	21	290	85	2	14	60	198	3
	250+08	-	251+38	ALLYN ST NORTH MEDIAN CONSTRUCTION	7	10	70	-	-	-	0	-	36	4
	249+58	-	251+33	ALLYN ST SOUTH MEDIAN CONSTRUCTION	7	11	77	-	-	-	0	-	36	4
	256+80	-	258+83	NORTHRIDGE LAKES BLVD NW QUADRANT CONSTRUCTION	7	3	21	200	54	1	7	40	144	3
	256+49	-	257+94	NORTHRIDGE LAKES BLVD SW QUADRANT CONSTRUCTION	7	3	21	-	60	1	7	-	144	3
	256+30	-	257+94	NORTHRIDGE LAKES BLVD SE QUADRANT CONSTRUCTION	7	2	14	196	100	1	7	60	198	3
	256+97	-	258+18	NORTHRIDGE LAKES BLVD NE QUADRANT CONSTRUCTION	7	1	7	166	70	1	7	20	102	
	256+71	-	258+06	NORTHRIDGE LAKES BLVD NORTH MEDIAN CONSTRUCTION	7	6	42	-	-	-	0	-	36	4
	256+68	-	257+98	NORTHRIDGE LAKES BLVD SOUTH MEDIAN CONSTRUCTION	7	8	56	-	-	-	0	-	36	4
	263+24	-	265+07	FAIRY CHASM DR NW & SW QUADRANT CONSTRUCTION	7	2	14	218	95	2	14	40	228	4
	263+44	-	265+05	FAIRY CHASM DR NE & SE QUADRANT CONSTRUCTION	7	2	14	210	105	2	14	40	192	4
	263+40	-	264+87	FAIRY CHASM DR SOUTH MEDIAN CONSTRUCTION	7	6	42	-	-	-	0	-	36	4
	269+62	-	270+54	STA 270+00 WEST QUADRANT CONSTRUCTION	7	2	14	92	87	2	14	30	138	2
	270+02	-	270+55	STA 270+00 EAST QUADRANT CONSTRUCTION	7	2	14	-	102	2	14	1	150	2
	269+68	-	274+37	STA 270+00 NORTH MEDIAN CONSTRUCTION	7	12	84	-	-	-	0	-	36	4
	274+90	-	275+63	GLENBROOK RD NW QUADRANT CONSTRUCTION	7	2	14	-	101	2	14	20	270	3
	274+03	-	274+61	GLENBROOK RD SW QUADRANT CONSTRUCTION	7	2	14	72	97	2	14	40	270	3
	274+08	-	275+34	GLENBROOK RD NE & SE QUADRANT CONSTRUCTION	7	1	7	-	48	1	7	20	318	4
	274+15	-	275+40	GLENBROOK RD NORTH MEDIAN CONSTRUCTION	7	6	42	-	-	-	0	-	36	4
	274+29	-	275+40	GLENBROOK RD SOUTH MEDIAN CONSTRUCTION	7	8	56	-	-	-	0	-	36	4
				SUBTOTAL			1708	3036	2680		308	807	6264	153
				TOTAL 0010			3,941	6,442	5,194		630	1,651	13,146	319

** TABLE CONTINUES ON PREVIOUS SHEET

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PAVEMENT MARKINGS

CATEGORY	STATION	TO	STATION	LOCATION	646.2025 MARKING LINE GROOVED BLACK EPOXY 6-INCH (12.5' DASH, 37.5' GAP) LF	646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH YELLOW LF	WHITE (12.5' DASH, 37.5' GAP) LF	WHITE (3' LINE, 9' GAP)	(2' LINE, 6' GAP)	646.4025 MARKING LINE GROOVED BLACK EPOXY 10-INCH (3' LINE, 9' GAP) LF	646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH WHITE (3' LINE, 9' GAP) LF	(3' LINE, 9' GAP) LF	(2' LINE, 6' GAP) LF
0010	46+00	-	73+11	STH 181 MAINLINE	2,305	4,528	4,913	2,305	--	423	1,941	423	--
	--	-	--	FLORIST AVE	--	--	--	--	--	--	--	--	--
	--	-	--	MILL RD	--	--	--	--	--	--	--	--	--
	73+11	-	86+50	STH 181 MAINLINE	1,220	2,155	2,376	1,220	--	--	1,988	--	--
	--	-	--	ACACIA ST	--	--	--	--	--	--	--	--	--
	86+50	-	99+70	STH 181 MAINLINE	1,234	2,448	2,468	1,234	--	--	895	--	--
	--	-	--	GREEN TREE RD	--	--	--	--	--	--	--	--	--
	99+70	-	126+24	STH 181 MAINLINE	2,455	4,392	4,775	2,455	--	--	2,317	--	--
	--	-	--	GOOD HOPE RD	160	--	306	451	--	--	749	--	160
	126+24	-	152+84	STH 181 MAINLINE	2,471	4,699	4,837	2,471	43	--	2,808	--	--
	--	-	--	CALUMET RD	--	--	--	--	--	--	--	--	--
	152+84	-	179+41	STH 181 MAINLINE	1,171	4,290	4,686	1,171	--	--	2,537	--	--
	--	-	--	BRADLEY RD	--	--	--	--	--	--	--	--	--
	179+41	-	206	STH 181 MAINLINE	1,230	4,478	4,918	1,230	--	--	1,987	--	--
	--	-	--	DEAN RD/ SERVITE DR	--	--	--	--	--	--	--	--	--
	206	-	250+50	STH 181 MAINLINE	2,159	8,451	5,843	2,159	--	576	1,948	576	--
	--	-	--	NB BROWN DEER OFF RAMP	--	910	2,056	--	--	372	1,522	372	--
	--	-	--	NB BROWN DEER ON RAMP	--	1,199	1,613	--	--	--	479	--	--
	--	-	--	SB BROWN DEER OFF RAMP	--	1,173	1,706	--	--	--	564	--	--
	--	-	--	SB BROWN DEER ON RAMP	--	1,341	1,904	--	--	271	811	271	--
	--	-	--	ALLYN ST	24	--	--	--	--	--	--	--	24
	250+50	-	287+11	STH 181 MAINLINE	1,647	5,951	6,466	1,647	--	327	3,707	327	--
	--	-	--	NORTHRIDGE LAKES BLVD	--	--	--	--	--	--	--	--	--
	--	-	--	FAIRY CHASM DR	--	--	--	--	--	--	--	--	--
													--
				TOTAL 0010	16,075	46,015	48,865	16,342	43	1,969	24,252	1,969	184
					16,075			111,264				26,405	

COLD WEATHER ITEMS

CATEGORY	LOCATION	450.4000 HMA COLD WEATHER PAVING TON	646.6466 COLD WEATHER MARKING EPOXY 6-INCH LF	646.6470 COLD WEATHER MARKING EPOXY 10-INCH LF
0010	STH 181	3,920	27,816	6,601
	TOTAL 0010	3,920	27,816	6,601

INCENTIVE IRI RIDE

CATEGORY	LOCATION	740.0440 INCENTIVE IRI RIDE DOL
0010	PROJECT	47,720
	TOTAL 0010	47,720

PAVMENT MARKING (CONT.)

CATEGORY	STATION	TO	STATION	LOCATION	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7220 MARKING CHEVRON EPOXY 24-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	SPV.0090.02 SPECIAL (02. MARKING CROSSWALK EPOXY BLOCK STYLE 12-INCH WHITE) LF
0010	46+00	-	73+11	STH 181 MAINLINE	11	2	132	190	--	872	127	7	--
	--	-	--	FLORIST AVE	--	--	56	--	--	451	13	2	--
	--	-	--	MILL RD	--	--	84	--	--	292	87	2	--
	73+11	-	86+50	STH 181 MAINLINE	7	1	85	301	--	178	69	4	280
	--	-	--	ACACIA ST	--	--	30	--	--	--	--	--	210
	86+50	-	99+70	STH 181 MAINLINE	4	1	85	138	--	--	33	2	580
	--	-	--	GREEN TREE RD	--	--	50	--	--	--	--	--	375
	99+70	-	126+24	STH 181 MAINLINE	20	6	95	274	--	186	194	9	794
	--	-	--	GOOD HOPE RD	9	4	131	--	--	481	64	5	--
	126+24	-	152+84	STH 181 MAINLINE	14	4	95	271	--	535	124	7	220
	--	-	--	CALUMET RD	--	--	55	--	--	467	18	1	--
	152+84	-	179+41	STH 181 MAINLINE	21	4	89	1335	--	344	222	8	800
	--	-	--	BRADLEY RD	--	--	75	--	--	--	48	2	450
	179+41	-	206	STH 181 MAINLINE	16	3	196	1332	--	917	216	8	564
	--	-	--	DEAN RD/ SERVITE DR	--	--	44	--	--	--	--	--	310
	206	-	250+50	STH 181 MAINLINE	13	4	93	1547		324	103	3	300
	--	-	--	NB BROWN DEER OFF RAMP	6	1	41	25	146	168	--	--	--
	--	-	--	NB BROWN DEER ON RAMP	--	--	--	37	--	161	--	--	--
	--	-	--	SB BROWN DEER OFF RAMP	3	1	44	--	32	176	--	--	--
	--	-	--	SB BROWN DEER ON RAMP	2	--	--	63	--	99	--	--	--
	--	-	--	ALLYN ST	--	--	41	--	--	391	62	1	--
	250+50	-	287+11	STH 181 MAINLINE	23	4	160	1079	--	245	583	17	975
	--	-	--	NORTHRIDGE LAKES BLVD	--	--	70	--	--	--	43	2	499
	--	-	--	FAIRY CHASM DR	--	--	--	--	--	--	19	1	--
				TOTAL 0010	149	35	1,750	6,593	178	6,288	2,022	81	6,358

CONSTRUCTION STAKING

CATEGORY	LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.8501.01 ELECTRICAL INSTALLATIONS (PROJECT) (01. 2140-14-70) EACH	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9500.01 CONSTRUCTION STAKING SIDEWALK (PROJECT) (01. 2140-14-70) EACH	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 2140-14-70) EACH
0010	UNDISTRIBUTED	2	3,510	27,544	1	134	1	1
	TOTAL 0010	2	3,510	27,544	1	134	1	1

3

UTILITY LINE OPENING

CATEGORY	LOCATION	SPV.0060.01 SPECIAL (01. UTILITY LINE OPENING (ULO)) EACH
0010	UNDISTRIBUTED	35
	TOTAL 0010	35

SECTION CORNER MONUMENTS

CATEGORY	LOCATION	SPV.0060.50 SPECIAL (50. SECTION CORNER MONUMENTS) EACH
0010	STH 181	7
	TOTAL 0010	7

3

FIELD FACILITIES

CATEGORY	PROJECT	SPV.0060.52 SPECIAL (52. FIELD FACILITIES OFFICE SPACE) EACH
0010	2140-14-70	1
	TOTAL 0010	1

STREET SWEEPING

CATEGORY	PROJECT	SPV.0075.01 SPECIAL (01. STREET SWEEPING) HRS
0010	2140-14-70	100
	TOTAL 0010	100

ON-THE-JOB TRAINING

CATEGORY	LOCATION	ASP.1T0A ON-THE-JOB TRAINING APPRENTICE AT $5.00/HR HRS	ASP.1T0G ON-THE-JOB TRAINING GRADUATE AT $5.00/HR HRS
0010	PROJECT	8,400	,--
0010	PROJECT	--	17,280
	TOTAL 0010	8,400	17,280

HAZMAT

CATEGORY	STATION	TO	STATION	SPV.0195.01 SPECIAL (01. EXCAVATION, HAULING, AND DISPOSAL OF LEAD CONTAMINATED SOIL) TON	SPV.0195.02 SPECIAL (02. EXCAVATION, HAULING, AND DISPOSAL OF PAH CONTAMINATED SOIL) TON	SPV.0195.03 SPECIAL (03. EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL) TON
0010	65+25	-	67+50	--	2	--
	73+00	-	74+50	--	--	14
	101+00	-	101+75	--	--	9
	180+00	-	183+00	48	--	--
	245+50	-	256+00	--	--	112
			TOTAL 0010	48	2	135

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1	W12-1D(2M)		24	X	24		4			1	1	1			2 FOOT MOUNTING HEIGHT
2	M1-94H	W. FLORIST AVE	90	X	18	11.250				1					MOUNT ON SIGNAL ARM
3	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
4	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
5	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
6	R6-2L(2M)		30	X	36	7.500						1			
7	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
8	R5-1(2M)		36	X	36	9.000									SIGNAL POLE
9	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
10	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
11	R6-2L(2M)		30	X	36	7.500									SIGNAL POLE
12	M1-94H	W. FLORIST AVE	90	X	18	11.250				1					SIGNAL ARM
13	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
14	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1		1			
15	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1		1			
16	R3-7R(3)		36	X	36	9.000				1		1			REMOVAL INCLUDES REMOVAL OF # 16A
16A	NONE	EXCEPT BUSES	36	X	12	3.000								16	
17	R7-1R(2M)		24	X	30	5.000				1	1	1			IN CONCRETE
18	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
19	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
20	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
21	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
22	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
23	R6-2L(2M)		30	X	36	7.500									SIGNAL POLE
24	M1-94S	181 N. 76TH ST	84	X	18	10.500									SIGNAL ARM
25	M1-94S	181 N. 76TH ST	84	X	18	10.500									SIGNAL ARM
26	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
27	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
28	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
29	R6-2L(2M)		30	X	36	7.500				1	1	1			
30	R3-52C(2M)		30	X	42	8.750				1					SIGNAL POLE

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
31	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
32	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
33	R4-7(2S)		24	X	30	5.000				1					SIGNAL POLE
34	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
35	R7-1D(2M)		24	X	30	5.000				1	1	1			
36	W5-52R(2M)		12	X	36		3.000			1	1	1			4 FOOT MOUNTING HEIGHT
37	R3-7R(3)		36	X	36	9.000				1	1	1			INCLUDES REMOVAL OF PLAQUE
37A	NONE	EXCEPT BUSES	36	X	12	3.000								37	
38	W3-3(2M)		36	X	36		9.000			1	1	1			
39	W3-3(2M)		36	X	36		9.000			1	1	1			
40	R7-1D(2M)		24	X	30	5.000				1	1	1			
41	R3-20L(2M)		24	X	36	6.000				1	1	1			
42	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			INCLUDES REMOVAL OF # 43
43	R7-1D(2M)		24	X	30	5.000								42	
44	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
45	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			INCLUDES REMOVAL OF # 48
46	R7-1D(2M)		24	X	30	5.000				1	1	1			
47	W5-52R(2M)		12	X	36		3.000			1	1	1			4 FOOT MOUNTING HEIGHT
48	R7-1D(2M)		24	X	30	5.000								45	
49	R7-1D(2M)		24	X	30	5.000				1	1	1			
50	R4-7(2M)		24	X	30	5.000				1	1	1			
51	W3-3(2M)		36	X	36		9.000			1	1	1			
52	W3-3(2M)		36	X	36		9.000			1	1	1			
53	R3-20L(2M)		24	X	36	6.000				1	1	1			
54	J1-1(2M)		24	X	39	6.500				1					LIGHT POLE
	M2-1		21	X	15										
	M1-5A	CTH S	24	X	24										
55	J1-1(2M)		24	X	39	6.500						1			
	M2-1		21	X	15										
	M1-5A	CTH S	24	X	24										
56	R4-7(2M)		24	X	30	5.000				1	1	1			IN CONCRETE
57	R7-1D(2M)		24	X	30	5.000				1	1	1			
58	R7-1D(2M)		24	X	30	5.000				1	1	1			
59	R7-1D(2M)		24	X	30	5.000				1	1	1			
60	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
61	R4-7(2M)		24	X	30	5.000				1	1	1			IN CONCRETE
62	R4-7(2M)		24	X	30	5.000				1	1	1			IN CONCRETE
63	R1-1(3)		36	X	36	7.460				1	1	1			
64	R3-20L(2M)		24	X	36	6.000				1	1	1			
65	R7-1D(2M)		24	X	30	5.000				1	1	1			
66	J13-1(2M		24	X	45	7.500				1	1	1			IN CONCRETE
	M1-5A	CTH S	24	X	24										
	M6-4		21	X	21										
67	J13-1(2M		24	X	45	7.500				1	1	1			
	M1-5A	CTH S	24	X	24										
	M6-4		21	X	21										
68	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
69	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
70	R6-2L(2M)		30	X	36	7.500									SIGNAL POLE
71	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
72	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
73	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
74	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
75	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
76	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
77	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
78	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
79	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
80	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
81	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
82	R6-2L(2M)		30	X	36	7.500									SIGNAL POLE
83	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
84	M1-94H	S - W. MILL RD	78	X	18	9.750				1					MOUNT ON SIGNAL ARM
85	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
86	R7-1D(2M)		24	X	30	5.000				1	1	1			
87	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
88	R5-1(2M)		36	X	36	9.000				1	1	1			
89	R5-1(2M)		36	X	36	9.000				1	1	1			
90	R1-1(3)		36	X	36	7.460				1	1	1			

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
91	J4-1(2M)		24	X	36	6.000				1					LIGHT POLE
	M3-3		24	X	12										
	M1-6	STH 181	24	X	24										
92	R7-1D(2M)		24	X	30	5.000				1	1	1			
93	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
94	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
95	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
96	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
97	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
98	R6-2L(2M)		30	X	36	7.500									SIGNAL POLE
99	M1-94H	S W. MILL RD	78	X	18	9.750				1					MOUNT ON SIGNAL ARM
100	J4-1(2M)		24	X	36	6.000				1	1	1			
	M3-1		24	X	12										
	M1-6	STH 181	24	X	24										
101	R3-20L(2M)		24	X	36	6.000				1	1	1			
102	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
103	R7-1D(2M)		24	X	30	5.000								102	REMOVAL PART OF # 102
104	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
105	R4-7(2M)		24	X	30	5.000				1	1	1			IN CONCRETE
106	R7-1D(2M)		24	X	30	5.000				1	1	1			
107	R3-20L(2M)		24	X	36	6.000				1	1	1			
108	R7-1D(2M)		24	X	30	6.000				1	1	1			
109	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
110	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
111	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
112	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
113	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
114	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
115	M1-94S	181 N. 76TH ST	84	X	18	10.500									SIGNAL ARM
115A	M1-94S	181 N. 76TH ST	84	X	18	10.500									SIGNAL ARM
116	J13-1(2M		24	X	45	7.500				1	1	1			
	M1-5A	CTH S	24	X	24										
	M6-4		21	X	21										
117	R6-2L(2M)		30	X	36	7.500									SIGNAL POLE
118	R5-1(2M)		36	X	36	9.000						1			
119	R4-7(2M)		24	X	30	5.000				1	1	1			IN CONCRETE
120	W3-3(2M)		36	X	36		9.000			1	1	1			

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
121	W3-3(2M)		36	X	36		9.000			1	1	1			IN CONCRETE
122	R7-1D(2M)		24	X	30	5.000				1	1	1			
123	S1-1(2M)		36	X	36		6.750					1			
123A	S16-9P(2M)		30	X	18		3.750							123	
124	S1-1(2M)		36	X	36		6.750					1			
124A	S16-9P(2M)		30	X	18		3.750							124	
125	R2-6P(2M)		36	X	24	6.000								123	
126	R2-6P(2M)		36	X	24	6.000								124	
127	R3-20L(2M)		24	X	36	6.000				1	1	1			
128	R7-1D(2M)		24	X	30	5.000				1	1	1			
129	R3-20L(2M)		24	X	36	6.000				1	1	1			
130	R7-1D(2M)		24	X	30	5.000				1	1	1			
131	NOT USED														
132	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
133	J1-1(2M)		24	X	39	6.500								138	
	M2-1		21	X	15										
	M1-5A	CTH S	24	X	24										
134	J1-1(2M)		24	X	39	6.500				1	1	1			
	M2-1		21	X	15										
	M1-5A	CTH S	24	X	24										
135	R5-1(2M)		36	X	36	9.000						1			
136	R1-1(3)		36	X	36	7.460				1	1	1			
137	R4-7(2M)		24	X	30	5.000				1	1	1			IN CONCRETE
138	R5-1(2M)		36	X	36	9.000				1	1	1			IN CONCRETE
139	R5-1(2M)		36	X	36	9.000				1	1	1			IN CONCRETE
140	S16-7R(2M		30	X	18		3.750			1				141	
141	S1-1(2M)		36	X	36		6.750			1					MOUNT ON SIGNAL POLE
142	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
143	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
144	S1-1(2M)		36	X	36		6.750					1			
144A	S16-7L(2M)		30	X	18		3.750							144	
145	R10-11S(2M)		24	X	36	6.000				1					SIGNAL POLE
146	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
147	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
148	R10-11S(2M)		24	X	36	6.000				1					SIGNAL POLE
149	R10-11S(2M)		24	X	36	6.000				1					SIGNAL POLE
150	M1-94H	W ACACIA ST	78	X	18	9.750				1					SIGNAL ARM

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
151	R6-2L(2M)		30	X	36	7.500									SIGNAL POLE
152	R6-2R(2M)		24	X	30	5.000						1			
153	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
154	R10-11S(2M)		24	X	36	6.000				1					SIGNAL POLE
155	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
156	R7-1D(2M)		24	X	30	5.000				1	1	1			
157	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
158	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
159	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
160	M1-94S	181 N 76TH ST	84	X	18	10.500									SIGNAL ARM
161	S1-1(2M)		36	X	36		6.750			1					SIGNAL POLE
161A	S16-7R(2M		30	X	18		3.750			1					SIGNAL POLE
162	S1-1(2M)		36	X	36		6.750			1	1	1			
162A	S16-7L(2M)		30	X	18		3.750							162	REMOVAL PART OF # 162
163	R5-1(2M)		36	X	36	9.000									SIGNAL POLE
164	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
164A	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
165	M1-94S	181 N 76TH ST	84	X	18	10.500									SIGNAL ARM
166	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
167	R6-2L(2M)		30	X	36	7.500									SIGNAL POLE
168	R10-11S(2M)		24	X	36	6.000				1					SIGNAL POLE
169	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
170	M1-94H	W ACACIA ST	78	X	18	9.750				1					SIGNAL ARM
171	R7-1D(2M)		24	X	30	5.000				1	1	1			
172	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
173	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
174	R7-1D(2M)		24	X	30	5.000								173	REMOVAL PART OF # 173
175	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
176	D1-65	W. GREEN TREE RD NEXT SIGNAL	120	X	30	25.000				1	2	2			
177	R7-1D(2M)		24	X	30	5.000				1	1	1			
178	R7-1D(2M)		24	X	30	5.000				1	1	1			
179	R7-1D(2M)		24	X	30	5.000				1	1	1			
180	R7-1D(2M)		24	X	30	5.000				1	1	1			

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
181	R3-20L(2M)		24	X	36	6.000				1	1	1			
182	S1-1(2M)		36	X	36		6.750			1	1	1			
182A	S16-9P(2M)		30	X	18		3.750							182	REMOVAL PART OF # 182
182B	R2-6P(2M)		36	X	24	6.000								182	REMOVAL PART OF # 182
183	S1-1(2M)		36	X	36		6.750			1	1	1			
183A	S16-9P(2M)		30	X	18		3.750							183	REMOVAL PART OF # 183
183B	R2-6P(2M)		36	X	24	6.000								183	REMOVAL PART OF # 183
184	R3-20L(2M)		24	X	36	6.000				1	1	1			
185	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
186	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
187	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
188	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
189	R1-1F(3)		36	X	36			7.46		1					SIGNAL POLE
190	R3-7R(2S)		30	X	30	6.250				1					SIGNAL POLE
191	M1-94H	W GREEN TREE RD	102	X	18	12.750				1					SIGNAL ARM
192	M1-94H	W GREEN TREE RD	102	X	18	12.750				1					SIGNAL ARM
193	R7-1D(2M)		24	X	30	5.000				1	1	1			
194	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
195	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
196	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
197	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
198	R5-1(2M)		36	X	36	9.000									SIGNAL POLE
199	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
200	M1-94S	181 N. 76TH ST	84	X	18	10.500									SIGNAL ARM
201	M1-94S	181 N. 76TH ST	84	X	18	10.500									SIGNAL ARM
202	R5-1(2M)		36	X	36	9.000									SIGNAL POLE
203	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
204	R6-2L(2M)		30	X	36	7.500									SIGNAL POLE
205	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
206	R7-1D(2M)		24	X	30	5.000				1	1	1			
207	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
208	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
209	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
210	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			

SHEET: 7 of 26

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
211	R7-1D(2M)		24	X	30	5.000								210	REMOVAL INCIDENTAL TO # 210
212	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
213	R6-2R(2S)		24	X	30	5.000				1	1	1			
214	R3-20L(2M)		24	X	36	6.000				1	1	1			
215	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
216	R3-2(2S)		24	X	24	4.000				1	1	1			IN CONCRETE
217	R5-1(2M)		36	X	36	9.000								216	REMOVAL PART OF # 216
218	R5-1(2M)		36	X	36	9.000				1	1	1			
219	R4-7(2M)		24	X	30	5.000				1	1	1			IN CONCRETE
220	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
221	R5-1(2M)		36	X	36	9.000				1	1	1			
222	R4-7(2M)		24	X	30	5.000				1	1	1			
223	NOT USED														
224	R1-1(3)		36	X	36	7.460				1	1	1			
225	W3-3(2M)		36	X	36		9.000			1	1	1			
226	W3-3(2M)		36	X	36		9.000			1	1	1			
227	R7-1D(2M)		24	X	30	5.000				1	1	1			
228	R3-20L(2M)		24	X	36	6.000				1	1	1			
229	D1-65	W GREEN TREE RD NEXT SIGNAL	120	X	30	25.000				1	2	2			
230	R7-1D(2M)		24	X	30	5.000				1	1	1			
231	R3-20L(2M)		24	X	36	6.000				1	1	1			
232	R7-1D(2M)		24	X	30	5.000				1	1	1			
233	R4-7(2M)		24	X	30	5.000						1			
234	R7-1D(2M)		24	X	30	5.000				1	1	1			
235	W12-2(2M)	14' 6"	36	X	36		9.000					1			
236	W12-2(2M)	14' 6"	36	X	36		9.000					1			
237	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
238	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
239	R3-20L(2M)		24	X	36	6.000						1			
240	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
241	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
242	W11-2(2M)		36	X	36		9.000					1			
242A	W16-7L(2M)		30	X	18		3.750							242	
243	W11-2(2M)		36	X	36		9.000					1			
243A	W16-7L(2M)		30	X	18		3.750							243	
244	R7-1D(2M)		24	X	30	5.000				1	1	1			
245	W11-2(2M)		36	X	36		9.000					1			
245A	W16-7R(2M)		30	X	18		3.750							245	
246	W11-2(2M)		36	X	36		9.000							245	BACK TO BACK WITH # 245
246A	W16-7R(2M)		30	X	18		3.750							246	
247	R4-7(2M)		24	X	30	5.000				1	1	1			
248	R3-20L(2M)		24	X	36	6.000				1	1	1			
249	R7-1D(2M)		24	X	30	5.000				1	1	1			
250	R7-1D(2M)		24	X	30	5.000				1	1	1			
251	W3-3(2M)		36	X	36		9.000			1	1	1			
252	W3-3(2M)		36	X	36		9.000			1	1	1			
253	J1-1(2M)		24	X	39	6.500						1			
	M2-1		21	X	15										
	M1-5A	CTH PP	24	X	24										
254	J1-1(2M)		24	X	39	6.500						1			
	M2-1		21	X	15										
	M1-5A	CTH PP	24	X	24										
255	D1-65	GOOD HOPE RD 7200 NORTH NEXT SIGNAL	78	X	30	16.250				1	2	2			INCLUDES REMOVAL OF JCT MARKER
256	D1-65	GOOD HOPE RD	78	X	30	16.250				1	2	2			
257	R7-1D(2M)	7200 NORTH NEXT SIGNAL	24	X	30	5.000				1	1	1			
258	D12-2B(2M)		84	X	36	21.000				1	2	2			
259	W11-2(2M)		36	X	36		9.000					1			
259A	W16-9P(2M)		30	X	18		3.750							259	
260	W11-2(2M)		36	X	36		9.000					1			
260A	W16-9P(2M)		30	X	18		3.750							260	
261	R7-1D(2M)		24	X	30	5.000				1	1	1			
262	R7-1D(2M)		24	X	30	5.000				1	1	1			
263	R5-1(2M)		36	X	36	9.000						1			
264	R5-1(2M)		36	X	36	9.000						1			
265	R3-2(2S)		24	X	24	4.000								263	
266	R3-2(2S)		24	X	24	4.000								264	
267	R3-53R(2S)		24	X	30	5.000				1	1	1			
268	R4-7(2M)		24	X	30	5.000				1	1	1			
269	R3-2(2M)		36	X	36	9.000								268	
270	R6-2R(2M)		30	X	36	7.500				1	1	1			

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
271	R3-20L(2M)		24	X	36	6.000				1	1	1			
272	R7-1D(2M)		24	X	30	5.000				1	1	1			
273	J13-1(2M		24	X	45	7.500				1	1	1			
	M1-5A	CTH PP	24	X	24										
	M6-4		21	X	21										
274	J13-1(2M		24	X	45	7.500				1					MOUNT ON S-40-913 UPRIGHT
	M1-5A	CTH PP	24	X	24										
	M6-4		21	X	21										
275	R3-5L(2M)		42	X	48	14.000				1					MOUNT ON S-40-913 , I BEAMS INCIDENTAL
276	R3-5L(2M)		42	X	48	14.000				1					MOUNT ON S-40-913 , I BEAMS INCIDENTAL
277	W11-2(2M)		36	X	36		9.000					1			
277A	W16-9P(2M)		30	X	18		3.750							277	
278	R7-1D(2M)		24	X	30	5.000									
279	W12-2(2M)	14' 6"	36	X	36		9.000					1			
280	W12-2(2M)	14' 6"	36	X	36		9.000					1			
281	J4-1(2M)		24	X	36	6.000				1	1	1			
	M3-3		24	X	12										
	M1-6	STH 181	24	X	24										
282	R7-1D(2M)		24	X	30	5.000				1	1	1			
283	W11-2(2M)		36	X	36		9.000					1			SHEET 11
283A	W16-9P(2M)		30	X	18		3.750							283	
284	W11-2(2M)		36	X	36		9.000					1			SHEET 11
284A	W16-9P(2M)		30	X	18		3.750							284	
285	W11-2(2M)		36	X	36		9.000					1			
285A	W16-9P(2M)		30	X	18		3.750							285	
286	R4-7(2M)		24	X	30	5.000				1	1	1			
287	W11-2(2M)		36	X	36		9.000					1			
287A	W16-7L(2M)		30	X	18		3.750							287	
288	W11-2(2M)		36	X	36		9.000					1			
288A	W16-7L(2M)		30	X	18		3.750							288	
289	W11-2(2M)		36	X	36		9.000					1			
289A	W16-7R(2M)		30	X	18		3.750							289	
290	W11-2(2M)		36	X	36		9.000							289	MOUNT BACK TO BACK
290A	W16-7R(2M)		30	X	18		3.750							290	
291	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
292	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
293	NOT USED														
294	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
295	R6-2L(2M)		30	X	36	7.500				1	1	1			
296	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
297	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
298	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
299	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
300	I55-56								1						SIGNAL POLE
300A	I55-56P								1						SIGNAL POLE

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
301	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
302	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
303	R6-2L(2M)		30	x	36	7.500				1	1	1			
304	J4-1(2M)		24	x	36	6.000				1					LIGHT POLE
	M3-1		24	X	12										
	M1-6	STH 181	24	X	24										
305	R7-1D(2M)		24	X	30	5.000				1	1	1			
306	M1-94S	PP W GOOD HOPE RD	96	X	18	12.000				1					SIGNAL ARM
307	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
308	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1					MOUNT ON OVERHEAD SIGN SUPPORT POLE S-40-914
309	J13-1(2M		24	X	45	7.500				1					MOUNT ON OVERHEAD SIGN SUPPORT POLE S-40-914
	M1-5A	CTH PP	24	X	24										
	M6-4		21	X	21										
310	R3-5L(2M)		42	X	48	14.000				1					MOUNT ON S-40-914. I BEAMS INCIDENTAL
311	R3-5L(2M)		42	X	48	14.000				1					MOUNT ON S-40-914. I BEAMS INCIDENTAL
312	J13-1(2M		24	X	45	7.500				1	1	1			
	M1-5A	CTH PP	24	X	24										
	M6-4		21	X	21										
313	R7-1D(2M)		24	X	30	5.000				1	1	1			
314	R3-4(2S)		24	X	24	4.000				1					SIGNAL POLE ABOVE R1-1F
315	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
316	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
317	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
318	M1-94S	181 N 76TH ST	84	X	18	10.500									SIGNAL ARM
319	M1-94S	181 N 76TH ST	84	X	18	10.500									SIGNAL ARM
320	R6-2L(2M)		30	X	36	7.500				1					SIGNAL POLE
321	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
322	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
323	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
324	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
325	R6-2L(2M)		30	X	36	7.500				1					SIGNAL POLE
326	M1-94S	PP W GOOD HOPE RD	96	X	18	12.000				1					SIGNAL ARM
327	R7-1D(2M)		24	X	30	5.000				1	1	1			
328	R3-2(2M)		36	X	36	9.000				1	1	1			
329	R3-53R(2S)		24	X	30	5.000				1	1	1			
330	R5-1(2M)		36	X	36	9.000				1	1	1			

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
331	R3-2(2S)		24	X	24	4.000				1	1	1			
332	R4-7(2M)		24	X	30	5.000								331	REMOVAL PART OF # 331
333	R6-2R(2M)		30	X	36	7.500				1	1	1			
334	R3-20L(2M)		24	X	36	6.000				1	1	1			
335	R7-1D(2M)		24	X	30	5.000				1	1	1			
336	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
337	R3-20L(2M)		24	X	36	6.000				1	1	1			
338	I55-56								1						LIGHT POLE
	I55-56P								1						LIGHT POLE
339	J1-1(2M)		24	X	39	6.500				1	1	1			
	M2-1		21	X	15										
	M1-5A	CTH PP	24	X	24										
340	J1-1(2M)		24	X	39	6.500						1			IN CONCRETE. CORING INCIDENTAL TO SIGN
	M2-1		21	X	15										
	M1-5A	CTH PP	24	X	24										
341	R3-4(2M		36	X	36	9.000				1				334	
341A	NONE	3 PM TO 6 PM WEEKDAYS	24	X	12	2.000									REMOVAL PART OF #334
342	R3-53R(2S)		24	X	30	5.000				1	1	1			
343	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
344	W3-3(2M)		36	X	36		9.000			1	1	1			
345	R3-20L(2M)		24	X	36	6.000				1	1	1			
346	W3-3(2M)		36	X	36		9.000					1			
347	NOT USED														
348	R7-1D(2M)		24	X	30	5.000				1	1	1			
349	R7-1D(2M)		24	X	30	5.000				1	1	1			
350	R4-7(2M)		24	X	30	5.000				1	1	1			IN CONCRETE
351	R5-1(2M)		36	X	36	9.000				1	1	1			IN CONCRETE
352	R5-1(2M)		36	X	36	9.000				1	1	1			IN CONCRETE
353	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
354	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1				
355	W11-2(2M)		36	X	36		9.000					1			
355A	W16-9P(2M)		30	X	18		3.750							355	
356	W11-2(2M)		36	X	36		9.000					1			
356A	W16-9P(2M)		30	X	18		3.750							356	
357	R3-20L(2M)		24	X	36	6.000				1	1	1			
358	R7-1D(2M)		24	X	30	5.000				1	1	1			
359	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
360	R1-1(3)		36	X	36	7.460				1	1	1			

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
361	R4-7(2M)		24	X	30	5.000				1	1	1			
362	R7-1D(2M)		24	X	30	5.000				1	1	1			
363	R3-2(2M)		36	X	36	9.000				1	1	1			
364	W11-2(2M)		36	X	36		9.000			1	1	1			
364A	W16-7R(2M)		30	X	18		3.750							364	REMOVAL PART OF # 364
365	NOT USED														
366	W11-2(2M)		36	X	36		9.000			1	1	1			
366A	W16-7L(2M)		30	X	18		3.750							366	REMOVAL PART OF # 366
367	R3-53R(2S)		24	X	30	5.000				1	1	1			
368	R5-1(2M)		36	X	36	9.000						1			IN CONCRETE. CORING INCIDENTAL
369	R4-7(2M)		24	X	30	5.000				1	1	1			IN CONCRETE
370	R3-2(2S)		24	X	24	4.000								369	REMOVAL PART OF # 369
371	R6-2R(2M)		30	X	36	7.500				1	1	1			
372	R7-1D(2M)		24	X	30	5.000				1	1	1			
373	W3-3(2M)		36	X	36		9.000			1	1	1			
374	W3-3(2M)		36	X	36		9.000			1	1	1			
375	R3-20L(2M)		24	X	36	6.000				1	1	1			
376	R7-1D(2M)		24	X	30	5.000				1	1	1			
377	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
378	R3-4(2S)		24	X	24	4.000				1					LIGHT POLE
379	R5-1(2M)		36	X	36	9.000				1	1	1			
380	W11-2(2M)		36	X	36		9.000			1	1	1			
380A	W16-7R(2M)		30	X	18		3.750							380	REMOVAL PART OF # 380
381	R4-7(2M)		24	X	30	5.000				1	1	1			
382	W11-2(2M)		36	X	36		9.000			1	1	1			
382A	W16-7L(2M)		30	X	18		3.750							382	REMOVAL PART OF # 382
383	R3-20L(2M)		24	X	36	6.00				1	1	1			
384	R7-1D(2M)		24	X	30	5.000				1	1	1			
385	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
386	R5-1(2M)		36	X	36	9.000									SIGNAL POLE
387	M1-94S	181 N 76TH ST	84	X	18	10.500									SIGNAL ARM
388	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
389	R6-2L(2M)		30	X	36	7.500				1					SIGNAL POLE
390	M1-94H	W. CALUMET RD	96	X	18	12.000									SIGNAL ARM

3

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
391	R5-1(2M)		36	X	36	9.000				1	1	1			
392	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
393	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
394	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
395	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
396	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
397	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
398	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
399	M1-94S	181 N. 76TH ST	84	X	18	10.500									SIGNAL ARM
400	R4-7(2S)		24	X	30	5.000				1					SIGNAL POLE
401	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
402	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
403	R6-2L(2M)		30	X	36	7.500				1					SIGNAL POLE
404	M1-94H	W CALUMET RD	96	X	18	12.000				1					SIGNAL ARM
405	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
406	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
407	J4-1(2M)		24	X	36	6.000				1	1	1			
	M3-3		24	X	12										
	M1-6	STH 181	24	X	24										
408	R7-1D(2M)		24	X	30	5.000				1	1	1			
409	W11-2(2M)		36	X	36		9.000			1	1	1			
409A	W16-9P(2M)		30	X	18		3.750							409	REMOVAL PART OF # 409
410	W11-2(2M)		36	X	36		9.000			1	1	1			
410A	W16-9P(2M)		30	X	18		3.750							410	REMOVAL PART OF # 410
411	J4-1(2M)		24	X	36	6.000				1					LIGHT POLE
	M3-1		24	X	12										
	M1-6	STH 181	24	X	24										
412	R7-1D(2M)		24	X	30	5.000				1	1	1			
413	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
414	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
415	W11-2(2M)		36	X	36		9.000					1			
415A	W16-9P(2M)		30	X	18		3.750							415	
416	W11-2(2M)		36	X	36		9.000					1			
416A	W16-9P(2M)		30	X	18		3.750							416	
417	R3-20L(2M)		24	X	36	6.000				1	1	1			
418	R3-20L(2M)		24	X	36	6.000				1	1	1			
419	R7-1D(2M)		24	X	30	5.000				1	1	1			
420	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
421	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
422	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
423	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
424	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
425	R5-1(2M)		36	X	36	9.000				1	1				SIGNAL POLE
426	R4-7(2M)		24	X	30	5.000				1					LIGHT POLE
427	W11-2(2M)		36	X	36		9.000					1			
427A	W16-7R(2M)		30	X	18		3.750							427	
428	W11-2(2M)		36	X	36		9.000							427	BACK TO BACK WITH # 427
428A	W16-7R(2M)		30	X	18		3.750							428	
429	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
430	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
431	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
432	R2-1(2M)	SPEED LIMIT 40	30	X	36	7.500				1	1	1			
433	R7-1D(2M)		24	X	30	5.000				1	1	1			
434	R3-20L(2M)		24	X	36	6.000				1	1	1			
435	W11-2(2M)		36	X	36		9.000					1			
435A	W16-7L(2M)		30	X	18		3.750							435	
436	W11-2(2M)		36	X	36		9.000					1			
436A	W16-7L(2M)		30	X	18		3.750							436	
437	R4-7(2M)		24	X	30	5.000				1	1	1			
438	R7-1D(2M)		24	X	30	5.000				1	1	1			
439	W11-2(2M)		36	X	36		9.000					1			
439A	W16-7R(2M)		30	X	18		3.750							439	
440	W11-2(2M)		36	X	36		9.000					1			
440A	W16-7L(2M)		30	X	18		3.750							440	
441	R6-2L(2M)		24	X	30	5.000				1	1	1			
442	R4-7(2M)		24	X	30	5.000				1	1	1			
443	R7-1D(2M)		24	X	30	5.000				1	1	1			
444	R3-20L(2M)		24	X	36	6.000				1	1	1			
445	R7-1D(2M)		24	X	30	5.000				1	1	1			
446	R3-20L(2M)		24	X	36	6.000				1	1	1			
447	R6-2L(2M)		30	X	36	7.500				1	1	1			
448	R3-1(2M)		36	X	36	9.000				1	1	1			
449	R5-1(2M)		36	X	36	9.000				1	1	1			
450	R1-1(3)		36	X	36	7.460				1	1	1			

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
451	R4-7(2M)		24	X	30	5.000				1	1	1			
452	W11-2(2M)		36	X	36		9.000					1			
452A	W16-7L(2M)		30	X	18		3.750							452	
453	W11-2(2M)		36	X	36		9.000							439	BACK TO BACK WITH # 439
453A	W16-7R(2M)		30	X	18		3.750							453	
454	R7-1D(2M)		24	X	30	5.000				1	1	1			
455	R7-1D(2M)		24	X	30	5.000				1	1	1			
456	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
457	R5-1(2M)		36	X	36	9.000				1	1	1			
458	R5-1(2M)		36	X	36	9.000				1	1	1			IN CONCRETE
459	R5-1(2M)		36	X	36	9.000				1	1	1			IN CONCRETE
460	R3-4(2M)		36	X	36	9.000								458	REMOVAL PART OF # 458
461	R3-4(2M)		36	X	36	9.000								459	REMOVAL PART OF # 459
462	R4-7(2M)		24	X	30	5.000				1	1	1			
463	R6-2L(2M)		30	X	36	7.500				1	1	1			
464	W3-3(2M)		36	X	36		9.000			1	1	1			
465	W3-3(2M)		36	X	36		9.000			1	1	1			
466	R3-20L(2M)		24	X	36	6.000				1					LIGHT POLE
467	R7-1D(2M)		24	X	30	5.000				1	1	1			
468	R7-1D(2M)		24	X	30	5.000				1	1	1			
469	R5-1(2M)		36	X	36	9.000				1	1	1			
470	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
471	R5-2(2S)		24	X	24	4.000				1	1	1			
472	W14-2(2S)		30	X	30		6.250							471	REMOVAL PART OF # 471
471A	R5-2A(2S)	3 TONS AND OVER	24	X	12		2.000							472	REMOVAL PART OF # 471
473	R1-1(3)		36	X	36	7.460				1	1	1			
474	R6-2L(2M)		30	X	36	7.500				1	1	1			
475	R7-1D(2M)		24	X	30	5.000				1	1	1			
476	R4-7(2M)		24	X	30	5.000				1	1	1			
477	W11-2(2M)		36	X	36		9.000					1			
477A	W16-9P(2M)		30	X	18		3.750							477	
478	W11-2(2M)		36	X	36		9.000					1			
478A	W16-9P(2M)		30	X	18		3.750							478	
479	R3-4(2M)		24	X	24	4.000								462	
480	NONE	PARKS OAKLEAF TRAIL							1						SIGNAL POLE

SHEET: 16 of 26

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: OZAUKEE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: 576	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\2140-14-70\030501_MQ.pptx PLOT DATE : 1/11/2025 PLOT BY : DOTTAH PLOT NAME : 030501_MQ.pdf PLOT SCALE : 1:1

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
481	W5-57(2M)		6	X	12		0.500			1	1	1			2 FOOT MOUNTING HEIGHT
482	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
483	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
484	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
485	R6-2L(2M)		30	X	36	7.500									SIGNAL POLE
486	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
487	M1-94S	181 N. 76TH ST	84	X	18	10.500									SIGNAL ARM
488	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
489	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
490	R6-2L(2M)		30	X	36	7.500				1					SIGNAL POLE
491	M1-94H	W BRADLEY RD	90	X	18	11.250				1					SIGNAL ARM
492	R2-1(2M)	SPEED LIMIT 4O	30	X	36	7.500				1	1	1			
493	R2-1(2M)	SPEED LIMIT 4O	30	X	36	7.500				1	1	1			
494	R7-1D(2M)		24	X	30	5.000				1	1	1			
495	J4-1(2M)		24	X	36	6.000				1					LIGHT POLE
	M3-1		24	X	12										
	M1-6	STH 181													
496	W5-57(2M)		6	X	12		0.500			1	1	1			2 FOOT MOUNTING HEIGHT
497	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
498	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
499	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
500	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
501	M1-94S	181 N. 76TH ST	84	X	18	10.500									SIGNAL ARM
502	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
503	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
504	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
505	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
506	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
507	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
508	R6-2L(2M)		30	X	36	7.500				1					SIGNAL POLE
509	M1-94H	W BRADLEY RD	90	X	18	11.500				1					SIGNAL ARM
510	J4-1(2M)		24	X	36	6.000				1					LIGHT POLE
	M3-3		24	X	12										
	M1-6	STH 181	24	X	24										

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
511	R2-1(2M)	SPEED LIMIT 4O	30	X	36	7.500				1	1	1			
512	R2-1(2M)	SPEED LIMIT 4O	30	X	36	7.500				1	1	1			
513	R3-20L(2M)		24	X	36	6.000				1	1	1			
514	R3-20L(2M)		24	X	36	6.000				1	1	1			
515	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
516	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
517	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
518	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
519	R6-2L(2M)		30	X	36	7.500				1					SIGNAL POLE
520	M1-94H	W TOWER AVE	84	X	18	10.500				1					SIGNAL ARM
521	R2-1(2M)	SPEED LIMIT 4O	30	X	36	7.500				1	1	1			
522	R2-1(2M)	SPEED LIMIT 4O	30	X	36	7.500				1	1	1			
523	R7-1D(2M)		24	X	30	5.000				1	1	1			
524	W5-57(2M)		6	X	12		0.500			1	1	1			2 FOOT MOUNTING HEIGHT
525	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
526	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
527	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
528	R5-1(2M)		36	X	36	9.000									SIGNAL POLE
529	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
530	R6-2L(2M)		30	X	36	7.500				1	1	1			
531	M1-94H	W TOWER AVE	84	X	18	10.500				1					SIGNAL ARM
532	R3-20L(2M)		24	X	36	6.000				1	1	1			
533	R4-7(2M)		24	X	30	5.000						1			
534	R4-7(2M)		24	X	30	5.000						1			
535	R7-1D(2M)		24	X	30	5.000				1	1	1			
536	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
537	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
538	R7-1D(2M)		24	X	30	5.000				1	1	1			
539	W5-52R(2M)		12	X	36		3.000					1			4 FOOT MOUNTING HEIGHT
540	W5-52L(2M)		12	X	36		3.000					1			4 FOOT MOUNTING HEIGHT

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
541	W5-52L(2M)		12	X	36		3.000					1			4 FOOT MOUNTING HEIGHT
542	W5-52R(2M)		12	X	36		3.000					1			4 FOOT MOUNTING HEIGHT
543	R7-1D(2M)		24	X	30	5.000				1	1	1			
544	W3-3(2M)		36	X	36		9.000			1	1	1			
545	W3-3(2M)		36	X	36		9.000			1	1	1			
546	R3-20L(2M)		24	X	36	6.000				1	1	1			
547	R7-1D(2M)		24	X	30	5.000				1	1	1			
548	R2-1(2M)	SPEED LIMIT 4O	30	X	36	7.500				1	1	1			
549	R2-1(2M)	SPEED LIMIT 4O	30	X	36	7.500				1	1	1			
550	R7-1D(2M)		24	X	30	5.000				1	1	1			
551	W3-3(2M)		36	X	36		9.000			1	1	1			
552	W3-3(2M)		36	X	36		9.000			1	1	1			
553	R3-20L(2M)		24	X	36	6.000						1			
554	R3-20L(2M)		24	X	36	6.000				1	1	1			
555	W5-57(2M)		6	X	12		0.500			1	1	1			2 FOOT MOUNTING HEIGHT
556	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
557	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
558	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
559	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
560	R5-1(2M)		36	X	36	9.000				1					SIGNAL POLE
561	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
562	I55-56								1		1	1			
562A	I55-56P								1					562	
563	R2-1(2M)	SPEED LIMIT 4O	30	X	36	7.500				1	1	1			
564	R2-1(2M)	SPEED LIMIT 4O	30	X	36	7.500				1	1	1			
565	J4-1(2M)		24	X	36	6.000				1	1	1			
	M3-3		24	X	12										
	M1-6	STH 181	24	X	24										
566	R3-20L(2M)		36	X	36	9.000				1	1	1			
567	R4-7(2M)		24	X	30	5.000						1			
568	R7-1D(2M)		24	X	30	5.000				1	1	1			
569	M1-94S	181 N. 76TH ST	84	X	18	10.500									SIGNAL ARM
570	M1-94S	181 N. 76TH ST	84	X	18	10.500									SIGNAL ARM

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
571	M1-94H	W DEAN RD	72	X	18	9.000				1					SIGNAL ARM
572	M1-94H	W DEAN RD	72	X	18	9.000				1					SIGNAL ARM
573	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
574	R6-2L(2M)		30	X	36	7.500									SIGNAL ARM
575	J4-1(2M)		24	X	36	6.000				1	1	1			
	M3-1		24	X	12										
	M1-6	STH 181	24	X	24										
576	J4-1(2M)		24	X	39	6.500				1	1	1			
	M2-1		21	X	15										
	M1-6	STH 100	24	X	24										
577	J4-1(2M)		24	X	39	6.500				1	1	1			
	M2-1		21	X	15										
	M1-6	STH 100	24	X	24										
578	R7-1D(2M)		24	X	30	5.000				1	1	1			
579	I55-56								1		1	1			
579A	I55-56P								1					579	
580	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			
581	D1-1 MOD	W BROWN DEER RD	120	X	36	30.000				1	2	2			
		8800 N													
		USE HWY 100													
582	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000						1			
583	R7-1D(2M)		24	X	30	5.000				1	1	1			
584	R3-20L(2M)		24	X	36	6.000				1	1	1			
585	W5-57(2M)		6	X	12		0.500			1	1	1			2 FOOT MOUNTING HEIGHT
586	NOT USED														
587	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
588	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
589	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
590	R5-1(2M)		36	X	36	9.000									SIGNAL POLE
591	NOT USED														
592	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
593	R6-2L(2M)		30	X	36	7.500									SIGNAL POLE
594	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
595	R1-1(3)		36	X	36	7.460				1	1	1			
596	R4-7(3)		36	X	48	12.000				1	1	1			IN CONCRETE
597	R5-1(3)		36	X	36	9.000				1	1	1			
598	D15-1	100 ARROW ONLY RIGHT	42	X	78	22.750				1					MOUNT ON S-40-918 , I BEAMS INCIDENTAL
599	J13-1(3)		36	X	66	16.500				1	1	1			
	M1-6	STH 100	36	X	36										
	M5-2R		30	X	30										
600	R7-1D(3)		24	X	30	5.000				1	1	1			

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
601	D1-3	MEQUON UP ARROW BROWN DEER	144	X	48	48.000				1	3	3			
601A	D1-3	MENOMONEE FALLS TILT ARROW RIGHT MEQUON UP ARROW BROWN DEER MENOMONEE FALLS TILT ARROW RIGHT	144	X	48	48.000				1	3	3			
602	J4-1(3)		36	X	54	13.500				1	1	1			
	M3-3		36	X	18										
	M1-6	STH 181	36	X	36										
603	R7-1D(3)		24	X	30	5.000				1	1	1			
604	R3-20LL(2S)		24	X	36	6.000				1	1	1			
605	R4-7(3)		36	X	48	12.000				1	1	1			
606	W3-3(3)		36	X	36		9.000			1	1	1			
607	W3-3(3)		36	X	36		9.000			1	1	1			
608	R3-7R(3)		36	X	36	9.000						1			
609	J13-1(3)		36	X	66	16.500				1	1	1			
	M1-6	STH 100													
	M6-2R		30	X	30										
610	R7-1D(3)		24	X	30	5.000				1	1	1			
611	R1-2(3)		48	X	42	7.000				1	1	1			
612	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			
613	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			
614	R3-20L(3)		36	X	54	13.500				1	1	1			
615	E5-1(3)	EXIT (TILT ARROW RIGHT)	48	X	48	16.000				1	1	1			
616	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			
617	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			
618	R7-1D(3)		24	X	30	5.000				1	1	1			
619	R7-1D(3)		24	X	30	5.000				1	1	1			
620	W4-3R(3)		36	X	36		9.000			1	1	1			
621	R7-1D(3)		24	X	30	5.000				1	1	1			
622	R7-1D(3)		24	X	30	5.000				1	1	1			
623	W5-52R(3)		18	X	54		6.750					1			4 FOOT MOUNTING HEIGHT
624	R7-1D(3)		24	X	30	5.000				1	1	1			
625	R7-1D(3)		24	X	30	5.000				1	1	1			
626	W4-1R(3)		36	X	36		9.000			1	1	1			
627	R7-1D(3)		24	X	30	5.000				1	1	1			
628	R7-1D(3)		24	X	30	5.000				1	1	1			
629	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			
630	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
631	W5-52R(3)		18	X	54		6.750					1			4 FOOT MOUNTING HEIGHT
632	W3-3(3)		36	X	36		9.000			1	1	1			
633	W3-3(3)		36	X	36		9.000			1	1	1			
634	R3-20L(3)		36	X	54	13.500				1	1	1			
635	E5-1(3)	EXIT (TILT ARROW RIGHT)	48	X	48	16.000				1	1	1			
636	J13-1(3)		36	X	66	16.500				1	1	1			
	M1-6	STH 100	36	X	36										
	M6-2R		30	X	30										
637	R7-1D(3)		24	X	30	5.000				1	1	1			
638	R7-1D(3)		24	X	30	5.000				1	1	1			
639	W5-57(2M)		6	X	12		0.500			1	1	1			2 FOOT MOUNTING HEIGHT
640	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
641	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
642	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
643	R4-7(3)		36	X	48	12.000				1	1	1			
644	R3-4(3)		36	X	36	9.000				1				643	SIGNAL POLE
645	R5-1(3)		36	X	36	9.000				1					SIGNAL POLE
646	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
647	R3-4(2S)		24	X	24	4.000				1				646	SIGNAL POLE
648	R4-7(2S)		24	X	30	5.000				1					SIGNAL POLE
649	R6-2L(2M)		30	X	36	7.500				1	1	1			
650	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
651	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
652	M1-94H	NORTHRIDGE MALL RD	96	X	18	12.000									SIGNAL ARM
653	R10-17A(2M)		30	X	36	7.500				1					SIGNAL POLE
654	D1-1 MOD	W BROWN DEER RD 8800 N USE HWY 100	120	X	36	30.000				1	2	2			
655	J2-1(2M)		24	X	69	11.500				1	1	1			
	MB4-1		24	X	12										
	MB3-3		24	X	12										
	M1-1	IH 43	24	X	24										
	MB5-2R		21	X	21										
656	J12-1(3)		36	X	66	16.500				1	1	1			
	M1-6	STH 100	36	X	36										
	M5-2R		30	X	30										
657	D1-1 MOD	WAUWATOSA AHEAD ARROW BROWN DEER MENONMONEE FALLS (TILT ARROW RIGHT)	144	X	48	48.000				1	3	3			
658	R7-1D(3)		24	X	30	5.000				1	1	1			
659	R6-2L(2M)		24	X	30	5.000				1					SIGNAL POLE
660	M1-94H	NORTHRIDGE MALL RD	96	X	18	12.000									SIGNAL ARM

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TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
661	J4-1(3)		36	X	54	13.500				1	1	1			
	M3-1		36	X	18										
	M1-6	STH 181	36	X	36										
662	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			
663	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			
664	R3-20L(3)		36	X	54	13.500				1	1	1			
665	D1-1	NORTHRIDGE LAKES BLVD (ARROW RIGHT)	114	X	36	28.500				1	2	2			
666	W5-57(2M)		6	X	12		0.500			1	1	1			2 FOOT MOUNTING HEIGHT
667	R1-2 (2S)		36	X	31	3.880				1	1	1			
668	R6-2L(2M)		30	X	36	7.500						1			
669	R5-1(3)		36	X	36	9.000				1					SIGNAL POLE
670	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
671	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
672	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
673	R5-1(3)		36	X	36	9.000									SIGNAL POLE
674	R6-2L(2M)		30	X	36	7.500				1	1	1			
675	M1-94H	NORTHRIDGE LAKES BLVD	108	X	18	13.500									SIGNAL ARM
676	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
677	R3-4(2S)		24	X	24	4.000				1				676	SIGNAL POLE
678	R7-1D(3)		24	X	30	5.000				1	1	1			
679	J4-1(3)		36	X	54	13.500						1			
	M3-3		36	X	18										
	M1-6	STH 181													
680	J1-1(3)		36	X	57	14.250						1			
	M2-1		30	X	21										
	M1-6	STH 100	36	X	36										
681	J1-1(3)		36	X	57	14.250				1	1	1			
	M2-1		30	X	21										
	M1-6	STH 100	36	X	36										
682	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
683	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
684	R5-1(3)		36	X	36	9.000									SIGNAL POLE
685	R4-7(2S)		24	X	30	5.000				1					SIGNAL POLE
686	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
687	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
688	R6-2L(2M)		30	X	36	7.500				1					SIGNAL POLE
689	M1-94H	W. NORTHRIDGE LAKES BLVD	108	X	18	13.500									SIGNAL ARM
690	J4-1(3)		36	X	54	13.500						1			

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
691	R3-20L(3)		36	X	54	13.500				1	1	1			
692	R7-1D(3)		24	X	30	5.000				1	1	1			
693	R3-20L(3)		36	X	54	13.500				1	1	1			
694	W5-57(2M)		6	X	12		0.500			1	1	1			2 FOOT MOUNTING HEIGHT
695	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
696	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
697	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
698	R5-1(3)		36	X	36	9.000				1					SIGNAL POLE
699	R4-7(2S)		24	X	30	5.000				1					SIGNAL POLE
700	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
701	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
702	R5-1(3)		36	X	36	9.000				1					SIGNAL POLE
703	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE
704	R3-2(2S)		24	X	24	4.000				1				703	SIGNAL POLE
705	R3-20LL(2M)		24	X	36	6.000			1		1	1			
706	R5-1(3)		36	X	36	9.000				1	1	1			IN CONCRETE
707	R6-2L(2M)		30	X	36	7.500				1	1	1			
708	R4-7(3)		36	X	48	12.000				1	1	1			
709	R4-7(3)		36	X	48	12.000				1	1	1			
710	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			
711	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			
712	R3-20L(3)		36	X	54	13.500				1	1	1			
713	W11-2(3)		36	X	36		9.000					1			
713A	W16-9P(3)		30	X	18		3.750							713	
714	W11-2(3)		36	X	36		9.000					1			
714A	W16-9P(3)		30	X	18		3.750							714	
715	W3-3(3)		36	X	36		9.000			1	1	1			
716	W3-3(3)		36	X	36		9.000			1	1	1			
717	R5-1(3)		36	X	36	9.000						1			
718	R4-7(2S)		24	X	30	5.000				1	1	1			
719	R1-1(3)		36	X	36	7.460				1				718	REMOVAL PART OF # 718
720	R1-1(3)		36	X	36	7.460				1	1	1			

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
721	W11-2(3)		36	X	36		9.000					1			
721A	W16-7R(3)		30	X	18		3.750							721	
722	W11-2(3)		36	X	36		9.000					1			
722A	W16-7L(3)		30	X	18		3.750							722	
723	D1-1	W. GLENBROOK RD (ARROW LEFT)	132	X	21	19.250				1	2	2			
724	R4-7(3)		36	X	48	12.000				1	1	1			
725	R4-7(3)		36	X	48	12.000				1	1	1			
726	R7-1D(3)		24	X	30	5.000				1	1	1			
727	R3-20L(3)		36	X	54	13.500				1	1	1			
728	R3-20LL		24	X	36	6.000			1		1	1			
729	R7-1D(3)		24	X	30	5.000				1	1	1			
730	R5-1(3)		36	X	36	9.000				1	1	1			IN CONCRETE
731	R4-7(3)		36	X	48	12.000				1	1	1			IN CONCRETE
732	R7-1D(3)		24	X	30	5.000				1	1	1			
733	R2-1									1	1				
734	R2-1									1	1				
735	R7-1D(3)		24	X	30	5.000				1	1	1			
736	W11-2(3)		36	X	36		9.000					1			
736A	W16-7L(3)		30	X	18		3.750							736	
737	W11-2(3)		36	X	36		9.000					1			
737A	W16-7R(3)		30	X	18		3.750							737	
738	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000						1			
739	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000						1			
740	W11-2(3)		36	X	36		9.000					1			
740A	W16-7R(3)		30	X	18		3.750							740	
741	W11-2(3)		36	X	36		9.000					1			
741A	W16-7R(3)		30	X	18		3.750							741	
742	W11-2(3)		36	X	36		9.000					1			
742A	W16-7L(3)		30	X	18		3.750							742	
743	W11-2(3)		36	X	36		9.000					1			
743A	W16-7L(3)		30	X	18		3.750							743	
744	R3-20L(3)		36	X	54	13.500				1	1	1			
745	R7-1D(3)		24	X	30	5.000				1	1	1			
746	W3-3(3)		36	X	36		9.000			1	1	1			
747	W3-3(3)		36	X	36		9.000			1	1	1			
748	R3-20R(3)		36	X	54	13.500				1	1	1			
749	R4-7(3)		36	X	48	12.000				1	1	1			
750	R4-7(3)		36	X	48	12.000				1	1	1			

TYPE II PERMANENT SIGNING 2140-14-70 STH 181

SIGN NO.		SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING (SF)	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	638.3000 REM SMALL SIGN SUP [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0814 POSTS TUBULAR STEEL 2 X 2 INCH X 14 FT (EA)	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
751	D1-1	W. GLENBROOK RD (ARROW RIGHT)	132		21	19.250				1	2	2			
752	W11-2(3)		36	X	36		9.000					1			
752A	W16-9P(3)		30	X	18		3.750							752	
753	W11-2(3)		36	X	36		9.000					1			
753A	W16-9P(3)		30	X	18		3.750							753	
754	R7-1D(3)		24	X	30	5.000				1	1	1			
755	R1-1(3)		36	X	36	7.460				1	1	1			
756	R4-7(3)		36	X	48	12.000				1	1	1			
757	D1-61 MOD	COUNTY LINE RD	114	X	42	33.250				1	2	2			
758	D1-61 MOD	9600 NORTH ARROW RIGHT AND ARROW LEFT COUNTY LINE RD 9600 NORTH ARROW RIGHT AND ARROW LEFT	114	X	42	33.250				1	2	2			
759	R3-20L(3)		36	X	54	13.500				1	1	1			
760	NONE	MEQUON NATURE PRESERVE ARROW LEFT	36	X	36	9.000				1	1	1			BROWN SIGN
761	R3-7R(3)		36	X	36	9.000						1			
762	J4-1(3)		36	X	54	13.500				1	1	1			
	M3-3		36	X	18										
	M1-6	STH 181	36	X	36										
763	I2-2	MILWAUKEE CO	102	X	21	14.875				1	2	2			
764	I2-3	MILWAUKEE POPULATION 577,222	72	X	24	12.000								763	REMOVAL PART OF # 763
765	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			
766	R2-1(3)	SPEED LIMIT 45	36	X	48	12.000				1	1	1			
767	I55-56								1		1	1			
767A	I55-56P								1					767	
768	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT
769	R1-2(2S		36	X	31	3.880				1	1	1			
770	R5-1(3)		36	X	36	9.000				1					SIGNAL POLE
771	R4-7(3)		36	X	48	12.000				1					SIGNAL POLE
772	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
773	R1-1F(3)		36	X	36			7.460		1					SIGNAL POLE
774	R10-50L									1					SIGNAL POLE
775	R6-2L(2M)		30	X	36	7.500				1	1	1			
776	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT. Sheet 15
777	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE. SHEET 15
778	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE SHEET 25
779	J13-1(2M)		24	X	69	11.500				1	1	1			SHEET 36
	MB4-1		24	X	12										
	MB3-3		24	X	12										
	M1-1	IH 43	24	X	24										
	MB6-2		21	X	21										
780	R4-7(2M)		24	X	30	5.000				1					SIGNAL POLE. SHEET 24
781	D1-1	W. NORTHRIDGE LAKES BLVD ARROW LEFT	72	X	36	18.000						2			SHEET 38
782	W12-1D(2M)		24	X	24		4.000			1	1	1			2 FOOT MOUNTING HEIGHT SHEET 37
783	W9-1R(2M)		36	X	36		9.000					1			SHEET 17
784	W9-1R(2M)		36	X	36		9.000					1			SHEET 17
785	W4-2R(2M		36	X	36		9.000					1			SHEET 18
786	W4-2R(2M)		36	X	36		9.000					1			SHEET 18
UNDISTRIBUTED													4		
						4458.195	1152.250	731.080	13	627	418	500	4	--	--

SHEET: 26 OF 26

STH 181 & FLORIST AVE

3

STATE FURNISHED MATERIALS SUMMARY - FOR INFORMATION ONLY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER AND CABINET
3	POLES TYPE 9 SPECIAL
3	POLES TYPE 10
2	MONOTUBE ARMS 15-FT
1	MONOTUBE ARMS 30-FT
3	MONOTUBE ARMS 35-FT SPECIAL
6	LUMINAIRE ARMS STEEL 15-FT

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	659.5000.S* LAMP, BALLAST, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, THREE SECTION	12
TRAFFIC SIGNAL, FIVE SECTION	4
TRAFFIC SIGNAL, PEDESTRIAN	8
LED LAMP	8
MERCURY SWITCHES	1
TOTAL	33

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
SB15	1
SB16	1
SB17	1
CB1	1
TOTAL	18

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
PB19	1
PB20	1
PB21	1
PB22	1
TOTAL	22

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING TRAFFIC SIGNALS

LOCATION	204.9060.S.01 REMOVING TRAFFIC SIGNALS EACH
STH 181 AT FLORIST AVE	1
TOTAL	1

REMOVING WIRE

LOCATION	204.9060.S.12 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 181 AT FLORIST AVE	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.01 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
STH 181 AT FLORIST AVE	1
TOTAL	1

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

LOCATION	TRAFFIC SIGNAL THREE SECTION EACH	TRAFFIC SIGNAL FIVE SECTION EACH	TRAFFIC SIGNAL PEDESTRIAN EACH	LED LAMP EACH	MERCURY SWITCHES EACH
CB1	--	--	--	--	1
SB1	1	--	1	--	--
SB2	1	--	--	2	--
SB3	1	--	1	--	--
SB4	1	--	1	--	--
SB5	--	1	--	2	--
SB6	1	1	--	--	--
SB7	--	--	1	--	--
SB8	1	--	1	--	--
SB9	1	--	--	2	--
SB10	1	--	--	--	--
SB11	1	--	1	--	--
SB12	--	1	--	2	--
SB13	1	1	--	--	--
SB14	--	--	1	--	--
SB15	1	--	--	--	--
SB16	--	--	1	--	--
SB17	1	--	--	--	--
	12	4	8	8	1

PLOT DATE : 4/10/2025 6:19:56 PM PLOT BY : JGF

3

3

CONDUIT

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	652.0605* CONDUIT SPECIAL 2-INCH L.F.	652.0615* CONDUIT SPECIAL 3-INCH L.F.
CB1	PB1	--	135	--	--
PB1	SB1	10	--	--	--
PB1	PB2	--	--	10	--
PB2	PB3	--	--	200	--
PB1	PB4	--	--	--	80
PB4	SB2	5	--	--	--
PB4	PB5	--	--	--	80
PB5	SB3	--	5	--	--
PB5	PB6	--	80	--	--
PB6	SB4	10	--	--	--
PB6	PB7	--	--	170	--
PB7	PB8	--	--	130	--
PB6	PB9	--	--	--	90
PB9	SB5	--	10	--	--
PB9	PB10	--	--	--	40
PB10	SB6	5	--	--	--
PB10	PB11	20	--	--	--
PB10	PB12	--	--	--	90
PB12	SB7	--	5	--	--
PB12	PB13	--	80	--	--
PB13	SB8	5	--	--	--
PB13	PB14	--	--	10	--
PB14	PB15	--	--	200	--
PB13	PB16	--	--	--	80
PB16	SB9	--	10	--	--
PB16	PB17	--	--	--	80
PB17	SB10	10	--	--	--
PB17	PB18	--	120	--	--
PB18	SB11	25	--	--	--
PB18	PB19	--	--	170	--
PB19	PB20	--	--	130	--
PB18	PB21	--	--	--	80
PB21	SB12	--	25	--	--
PB21	PB22	--	--	--	30
PB22	SB13	5	--	--	--
PB22	PB23	--	--	--	80
PB23	SB14	--	20	--	--
PB23	CB1	--	30	--	--
	TOTAL	95	520	1020	730

* QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

SIGNAL BASE NO.	LOCATION STA	LOCATION OFFSET	654.0101* CONCRETE BASES TYPE 1 EACH	654.0102* CONCRETE BASES TYPE 2 EACH	654.0110* CONCRETE BASES TYPE 10 EACH	654.0120* CONCRETE BASES TYPE 10 SPECIAL EACH	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
CB1	47+27.0	55.8 RT	--	--	--	--	1
SB1	46+96.8	76.2 RT	1	--	--	--	--
SB2	46+60.4	75.7 RT	--	1	--	--	--
SB3	46+19.0	74.0 RT	--	--	--	1	--
SB4	46+11.3	53.7 RT	1	--	--	--	--
SB5	46+10.7	9.6 RT	--	--	1	--	--
SB6	45+95.4	9.1 LT	1	--	--	--	--
SB7	46+6.1	52.5 LT	--	--	--	1	--
SB8	46+22.4	73.8 LT	1	--	--	--	--
SB9	46+58.1	71.6 LT	--	--	1	--	--
SB10	46+95.6	70.7 LT	1	--	--	--	--
SB11	47+9.2	52.7 LT	1	--	--	--	--
SB12	47+7.1	8.9 LT	--	--	1	--	--
SB13	47+37.6	9.1 RT	1	--	--	--	--
SB14	47+12.9	53.2 RT	--	--	--	1	--
TOTAL		TOTAL	7	1	3	3	1

* QUANTITY SHOWN ELSEWHERE ON PLAN

PULL BOXES

PULL BOX NO.	LOCATION STA	LOCATION OFFSET	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH
PB1	46+98.4	86.3 RT	--	1
PB2	46+98.4	98.4 RT	--	1
PB3	16+98.1	39.6 LT	--	1
PB4	46+60.9	80.3 RT	--	1
PB5	46+19.3	79.0 RT	--	1
PB6	46+2.5	51.5 RT	--	1
PB7	44+33.0	50.2 RT	--	1
PB8	43+2.6	50.5 RT	--	1
PB9	46+1.4	9.1 RT	--	1
PB10	46+3.0	8.5 LT	--	1
PB11	45+83.6	8.9 LT	1	--
PB12	46+2.3	52.1 LT	--	1
PB13	46+19.8	81.2 LT	--	1
PB14	46+18.5	95.2 LT	--	1
PB15	11+2.4	24.2 RT	--	1
PB16	46+57.9	83.7 LT	--	1
PB17	46+96.7	83.2 LT	--	1
PB18	47+35.0	49.7 LT	--	1
PB19	49+7.1	46.2 LT	--	1
PB20	50+37.4	41.3 LT	--	1
PB21	47+33.7	8.9 LT	--	1
PB22	47+33.3	9.2 RT	--	1
PB23	47+36.5	50.7 RT	--	1
TOTAL		TOTAL	1	22

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	LOCATION** OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
11	PB11	45+77.7	0.5 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	275	221
12	PB11	46+5.7	0.5 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	275	208
21	PB20	50+37.6	20.3 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	60	430	315
22	PB20	50+37.2	9.3 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	82	430	431
23	PB19	49+7.3	25.3 LT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	60	300	252
24	PB19	49+6.9	14.3 LT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	82	300	344
31	PB2	15+4.3	12.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	104	80	328
32	PB2	46+69.6	76.3 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	104	80	328
41	PB15	11+2.2	10.5 RT	6 X 16	4	ASPHALT	9F15-4B OPTION 2	56	480	235
42	PB14	46+30.8	98.5 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	280	227
43	PB14	46+31.0	70.5 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	280	227
44	PB14	46+39.8	98.5 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	90	280	284
45	PB14	46+40.0	70.5 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	90	280	284
51	PB22	47+44.4	0.1 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	78	75	246
52	PB22	47+16.4	CL	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	75	208
61	PB8	43+2.2	29.6 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	64	490	336
62	PB8	43+2.2	18.6 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	86	490	452
63	PB7	44+32.8	29.6 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	60	360	315
64	PB7	44+32.8	18.6RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	82	360	431
71	PB14	46+49.4	98.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	108	280	340
72	PB14	46+49.6	70.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	108	280	340
81	PB3	16+99.4	24.2 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	64	280	202
82	PB2	15+4.3	30.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	80	227
83	PB2	46+87.6	76.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	80	214
84	PB2	FIELD	LOCATE	6 X 20	3	ASPHALT	9F15-4B OPTION 2	88	80	277
85	PB2	46+78.6	76.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	86	80	271
							TOTAL	1902	6230	7111

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270* CABLE TRAFFIC SIGNAL 15-14 AWG L.F.
CB1	SB1	--	--	100
CB1	SB2	150	--	--
CB1	SB3	--	--	205
CB1	SB4	--	--	265
CB1	SB5	--	325	--
CB1	SB6	--	370	--
CB1	SB7	--	415	--
CB1	SB8	--	--	385
CB1	SB9	--	335	--
CB1	SB10	280	--	--
CB1	SB11	--	--	220
CB1	SB12	--	165	--
CB1	SB13	--	115	--
CB1	SB14	--	75	--
	TOTAL	430	1800	1175

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED L.F.	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB2	150	--
SB2	LUMINAIRE 1	--	145
SB2	LUMINAIRE 2	--	145
SB2	SB5	215	--
SB5	LUMINAIRE 1	--	145
SB6	LUMINAIRE 2	--	145
CB1	SB12	165	--
SB12	LUMINAIRE 1	--	145
SB12	LUMINAIRE 2	--	145
SB12	SB9	250	--
SB9	LUMINAIRE 1	--	145
SB9	LUMINAIRE 2	--	120
	TOTAL	780	1135

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	95
SB1	SB2	105
SB2	SB3	100
SB3	SB4	105
SB4	SB5	115
SB5	SB6	90
SB6	SB7	110
SB7	SB8	100
SB8	SB9	110
SB9	SB10	110
SB10	SB11	145
SB11	SB12	140
SB12	SB13	95
SB13	SB14	115
SB14	CB1	80
SB1	PB1	35
SB2	PB4	30
SB3	PB5	30
SB4	PB6	35
SB5	PB9	35
SB6	PB10	35
SB7	PB12	30
SB8	PB13	30
SB9	PB16	35
SB10	PB17	35
SB11	PB18	50
SB12	PB21	50
SB13	PB22	30
CB1	PB23	35
	TOTAL	2110

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	18	--	20
SB1	20	20	--
SB1	25	20	--
SB3	16	50	--
SB3	17	20	--
SB3	19	--	65
SB3	26	20	--
SB4	1	20	--
SB4	13	--	20
SB4	27	20	--
SB5	14	--	35
SB6	5	--	20
SB7	9	65	--
SB7	10	50	--
SB7	11	35	--
SB7	28	20	--
SB8	15	20	--
SB8	23	--	20
SB8	29	20	--
SB9	21	50	--
SB9	22	65	--
SB9	24	--	35
SB10	30	20	--
SB11	6	--	20
SB11	8	20	--
SB11	31	20	--
SB12	7	--	35
SB13	12	--	20
SB14	2	65	--
SB14	3	50	--
SB14	4	35	--
SB14	32	20	--
	TOTAL	725	290

* QUANTITY SHOWN ELSEWHERE ON PLAN

								POLES						
	657.0100*	657.0255*	657.0310*	657.0425*	657.0430*	657.0609*	SPV.0060.05*	SPV.0060.06*	SPV.0060.08*	SPV.0060.11*	SPV.0060.12*	SPV.0060.15*	658.0500*	659.1125*
		TRANSFORMER		TRAFFIC SIGNAL	TRAFFIC SIGNAL									
	PEDESTAL	BASES BREAKAWAY		STANDARDS	STANDARDS	LUMINAIRE ARMS	INSTALL	INSTALL	INSTALL	INSTALL	INSTALL	INSTALL	PEDESTRIAN	LUMINAIRES
SIGNAL	BASES	11 1/2-INCH	POLES	ALUMINUM	ALUMINUM	SINGLE MEMBER	TYPE 9 SPECIAL	TYPE 10	MONOTUBE ARMS	MONOTUBE ARMS	MONOTUBE ARMS	LUMINAIRE ARMS	PUSH	UTILITY
BASE NO.	EACH	BOLT CIRCLE EACH	TYPE 3 EACH	15-FT EACH	10-FT EACH	4-INCH CLAMP 6-FT EACH	POLE EACH	POLE EACH	15-FT EACH	30-FT EACH	35-FT SPECIAL EACH	STEEL 15-FT EACH	BUTTONS EACH	LED C EACH
SB1	1	--	--	1	--	--	--	--	--	--	--	--	1	--
SB2	--	1	1	--	--	2	--	--	--	--	--	--	1	2
SB3	--	--	--	--	--	--	1	--	--	--	1	--	1	--
SB4	1	--	--	1	--	--	--	--	--	--	--	--	1	--
SB5	--	--	--	--	--	--	--	1	1	--	--	2	1	2
SB6	1	--	--	1	--	--	--	--	--	--	--	--	--	--
SB7	--	--	--	--	--	--	1	--	--	--	1	--	1	--
SB8	1	--	--	1	--	--	--	--	--	--	--	--	1	--
SB9	--	--	--	--	--	--	--	1	--	1	--	2	1	2
SB10	1	--	--	--	1	--	--	--	--	--	--	--	1	--
SB11	1	--	--	1	--	--	--	--	--	--	--	--	1	--
SB12	--	--	--	--	--	--	--	1	1	--	--	2	1	2
SB13	1	--	--	1	--	--	--	--	--	--	--	--	--	--
SB14	--	--	--	--	--	--	1	--	--	--	1	--	1	--
TOTAL	7	1	1	6	1	2	3	3	2	1	3	6	12	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

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		FACES		
		658.0173*	658.0174*	658.0416*
SIGNAL BASE NO.	SIGNAL HEAD NO.	TRAFFIC SIGNAL FACE 3S-12 INCH EACH	TRAFFIC SIGNAL FACE 4S-12 INCH EACH	PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	18	--	1	--
SB1	20	1	--	--
SB1	25	--	--	1
SB3	16	1	--	--
SB3	17	1	--	--
SB3	19	--	1	--
SB3	26	--	--	1
SB4	1	1	--	--
SB4	13	--	1	--
SB4	27	--	--	1
SB5	14	--	1	--
SB6	5	--	1	--
SB7	9	1	--	--
SB7	10	1	--	--
SB7	11	1	--	--
SB7	28	--	--	1
SB8	15	1	--	--
SB8	23	--	1	--
SB8	29	--	--	1
SB9	21	1	--	--
SB9	22	1	--	--
SB9	24	--	1	--
SB10	30	--	--	1
SB11	6	--	1	--
SB11	8	1	--	--
SB11	31	--	--	1
SB12	7	--	1	--
SB13	12	--	1	--
SB14	2	1	--	--
SB14	3	1	--	--
SB14	4	1	--	--
SB14	32	--	--	1
	TOTAL	14	10	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 181 AT FLORIST AVE	1
TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.01 SIGNAL MOUNTING HARDWARE EACH
STH 181 AT FLORIST AVE	1
TOTAL	1

TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.16 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET EACH
STH 181 AT FLORIST AVE	1
TOTAL	1

TRANPORTING MATERIALS

LOCATION	SPV.0060.27 TRANSPORT TRAFFIC SIGNAL AND LIGHTING MATERIALS EACH
STH 181 AT FLORIST AVE	1
TOTAL	1

STH 181 & MILL RD

3

STATE FURNISHED MATERIALS SUMMARY - FOR INFORMATION ONLY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER AND CABINET
2	POLES TYPE 9 SPECIAL
2	POLES TYPE 10
2	POLES TYPE 10 SPECIAL
2	MONOTUBE ARMS 15-FT
4	MONOTUBE ARMS 35-FT SPECIAL
8	LUMINAIRE ARMS STEEL 15-FT

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	659.5000.S* LAMP, BALLAST, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, THREE SECTION	10
TRAFFIC SIGNAL, FIVE SECTION	8
TRAFFIC SIGNAL, PEDESTRIAN	8
LED LAMP	8
MERCURY SWITCHES	1
TOTAL	35

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
SB15	1
SB16	1
SB17	1
CB1	1
TOTAL	18

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
PB19	1
PB20	1
PB21	1
PB22	1
PB23	1
PB24	1
TOTAL	24

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING TRAFFIC SIGNALS

LOCATION	204.9060.S.02 REMOVING TRAFFIC SIGNALS EACH
STH 181 AT MILL RD	1
TOTAL	1

REMOVING WIRE

LOCATION	204.9060.S.13 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 181 AT MILL RD	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.02 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
STH 181 AT MILL RD	1
TOTAL	1

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

LOCATION	TRAFFIC SIGNAL THREE SECTION EACH	TRAFFIC SIGNAL FIVE SECTION EACH	TRAFFIC SIGNAL PEDESTRIAN EACH	LED LAMP EACH	MERCURY SWITCHES EACH
CB1	--	--	--	--	1
SB1	1	--	1	--	--
SB2	--	2	--	2	--
SB3	--	--	1	--	--
SB4	1	--	1	--	--
SB5	--	1	--	2	--
SB6	1	1	--	--	--
SB7	--	--	1	--	--
SB8	1	--	1	--	--
SB9	--	2	--	2	--
SB10	1	--	1	--	--
SB11	1	--	1	--	--
SB12	--	1	--	--	--
SB13	1	1	--	2	--
SB14	--	--	1	--	--
SB15	1	--	--	--	--
SB16	1	--	--	--	--
SB17	1	--	--	--	--
	10	8	8	8	1

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		CONDUIT			
		652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	652.0605* CONDUIT SPECIAL 2-INCH	652.0615* CONDUIT SPECIAL 3-INCH
FROM	TO	L.F.	L.F.	L.F.	L.F.
CB1	PB1	--	30	--	--
PB1	SB1	10	--	--	--
PB1	PB2	15	--	--	--
PB2	PB3	--	--	225	--
PB1	PB5	--	--	--	110
PB5	PB4	10	--	--	--
PB5	SB2	--	10	--	--
PB5	PB6	--	--	--	90
PB6	SB3	15	--	--	--
PB6	PB7	--	110	--	--
PB7	SB4	15	--	--	--
PB7	PB8	185	--	--	--
PB8	PB9	--	--	130	--
PB7	PB10	--	--	--	80
PB10	SB5	15	--	--	--
PB10	PB11	--	--	--	40
PB11	SB6	--	15	--	--
PB11	PB12	--	--	--	90
PB12	SB7	10	--	--	--
PB12	SB8	--	5	--	--
PB12	PB13	--	70	--	--
PB13	SB9	10	--	--	--
PB13	PB14	35	--	--	--
PB13	PB15	--	--	--	110
PB15	SB10	--	10	--	--
PB15	PB16	45	--	--	--
PB16	PB17	--	--	190	--
PB15	PB18	--	--	--	90
PB18	SB11	10	--	--	--
PB18	PB19	--	80	--	--
PB19	SB12	10	--	--	--
PB19	PB20	--	--	185	--
PB20	PB21	--	--	--	130
PB21	PB22	--	--	--	55
PB19	PB23	--	--	--	90
PB23	SB13	25	--	--	--
PB23	PB25	--	--	--	40
PB25	PB24	20	--	--	--
PB25	SB14	--	5	--	--
PB25	PB26	--	--	--	90
PB26	SB15	10	--	--	--
PB26	SB16	--	5	--	--
PB26	CB1	--	60	--	--
	TOTAL	440	400	730	1015

* QUANTITY SHOWN ELSEWHERE ON PLAN

			CONCRETE BASES			
			654.0101* CONCRETE BASES TYPE 1	654.0110* CONCRETE BASES TYPE 10	654.0120* CONCRETE BASES TYPE 10 SPECIAL	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
SIGNAL BASE NO.	LOCATION STA	OFFSET	EACH	EACH	EACH	EACH
CB1	72+49.1	74.5 LT	--	--	--	1
SB1	72+58.5	74.9 LT	1	--	--	--
SB2	73+13.9	74.0 LT	--	--	1	--
SB3	73+56.8	74.3 LT	1	--	--	--
SB4	73+72.0	52.9 LT	1	--	--	--
SB5	73+72.5	8.8 LT	1	--	--	--
SB6	73+77.7	9.0 RT	--	1	--	--
SB7	73+73.9	52.6 RT	1	--	--	--
SB8	73+89.1	51.2 RT	--	--	1	--
SB9	73+60.1	75.0 RT	1	--	--	--
SB10	73+6.4	73.0 RT	--	--	1	--
SB11	72+63.8	73.4 RT	1	--	--	--
SB12	72+44.9	52.2 RT	1	--	--	--
SB13	72+56.1	8.9 RT	1	--	--	--
SB14	72+42.2	9.2 LT	--	1	--	--
SB15	72+45.1	53.3 LT	1	--	--	--
SB16	72+36.2	52.8 LT	--	--	1	--
TOTAL		TOTAL	10	2	4	1

* QUANTITY SHOWN ELSEWHERE ON PLAN

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PULL BOXES

PULL BOX NO.	LOCATION STA	LOCATION OFFSET	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH
PB1	72+59.1	81.8 LT	--	1
PB2	72+57.2	95.4 LT	--	1
PB3	101+69.0	46.5 RT	--	1
PB4	73+13.4	99.2 LT	1	--
PB5	73+13.7	86.7 LT	--	1
PB6	73+56.2	86.9 LT	--	1
PB7	73+86.1	50.7 LT	--	1
PB8	75+69.8	50.4 LT	--	1
PB9	77+0.6	50.6 LT	1	--
PB10	73+85.9	9.3 LT	--	1
PB11	73+94.1	9.0 RT	--	1
PB12	73+84.3	51.0 RT	--	1
PB13	73+61.9	65.9 RT	--	1
PB14	106+0.6	50.6 LT	1	--
PB15	73+5.8	64.7 RT	--	1
PB16	106+2.9	4.4 RT	--	1
PB17	108+24.4	1.1 LT	--	1
PB18	72+63.2	62.0 RT	--	1
PB19	72+31.8	51.5 RT	--	1
PB20	70+46.4	50.1 RT	--	1
PB21	68+84.3	62.0 RT	--	1
PB22	68+94.2	8.8 RT	--	1
PB23	72+32.6	8.9 RT	--	1
PB24	72+18.7	8.9 LT	1	--
PB25	72+35.9	9.3 LT	--	1
PB26	72+33.8	56.9 LT	--	1
TOTAL		TOTAL	4	22

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	LOCATION** OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
11	PB24	72+15.6	0.1 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	110	221
12	PB24	72+43.6	0.2 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	110	214
21	PB9	77+1.1	40.7 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	42	505	221
22	PB9	77+1.1	29.7 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	64	505	336
23	PB9	77+1.1	18.7 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	86	505	452
24	PB8	75+70.5	40.6 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	38	375	200
25	PB8	75+70.6	29.6 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	60	375	315
26	PB8	75+70.6	18.6 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	82	375	431
31	PB16	106+4.5	6.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	280	214
32	PB16	73+18.2	76.5 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	280	227
41	PB3	101+74.5	28.8 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	60	275	252
42	PB3	101+74.6	18.8 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	78	275	328
43	PB2	103+94.5	40.7 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	76	50	239
44	PB2	72+68.6	76.5 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	50	214
45	PB2	103+94.5	30.1 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	94	50	296
46	PB2	72+79.2	76.7 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	94	50	296
47	PB4	FIELD	LOCATE	6 X 20	3	ASPHALT	9F15-4B OPTION 2	96	100	302
48	PB4	72+90.3	76.8 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	94	100	296
51	PB11	74+2.8	0.2 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	74	250	233
52	PB11	73+74.8	CL	6 X 20	3	ASPHALT	9F15-4B OPTION 2	64	250	202
61	PB22	69+15.4	40.4 RT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	96	525	504
62	PB22	69+15.4	29.4 RT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	76	525	399
63	PB22	69+15.4	18.4 RT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	64	525	336
64	PB20	70+46.2	40.6 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	36	340	189
65	PB20	70+46.1	29.6 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	58	340	305
66	PB20	70+46.1	18.6 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	80	340	420
71	PB5	103+94.9	7.9 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	76	100	239
72	PB5	73+1.4	76.9 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	100	227
81	PB17	108+24.4	26.9 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	74	475	389
82	PB17	108+24.4	15.9 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	52	475	273
83	PB14	106+4.1	38.3 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	330	227
84	PB14	73+49.9	75.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	330	227
85	PB14	106+4.1	28.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	92	330	290
86	PB14	73+39.6	75.9 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	92	330	290
87	PB16	106+4.2	17.1 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	88	280	277
88	PB16	73+28.7	76.1	6 X 20	3	ASPHALT	9F15-4B OPTION 2	92	280	290
							TOTAL	2460	9770	9713

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

PLOT DATE : 4/16/2025 1:54:40 PM PLOT BY : JGF

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TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270* CABLE TRAFFIC SIGNAL 15-14 AWG L.F.
CB1	SB1	--	--	65
CB1	SB2	--	--	135
CB1	SB3	200	--	--
CB1	SB4	--	--	260
CB1	SB5	315	--	--
CB1	SB6	--	345	--
CB1	SB7	415	--	--
CB1	SB8	--	410	--
CB1	SB9	--	--	415
CB1	SB10	--	--	345
CB1	SB11	285	--	--
CB1	SB12	--	--	230
CB1	SB13	185	--	--
CB1	SB14	--	115	--
CB1	SB15	75	--	--
CB1	SB16	--	70	--
	TOTAL	1475	940	1450

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED L.F.	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB2	135	--
SB2	LUMINAIRE 1	--	145
SB2	LUMINAIRE 2	--	145
SB2	SB6	275	--
SB6	LUMINAIRE 1	--	145
SB6	LUMINAIRE 2	--	145
CB1	SB14	115	--
SB14	LUMINAIRE 1	--	145
SB14	LUMINAIRE 2	--	145
SB14	SB10	255	--
SB10	LUMINAIRE 1	--	145
SB10	LUMINAIRE 2	--	120
	TOTAL	780	1135

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	70
SB1	SB2	125
SB2	SB3	120
SB3	SB4	135
SB4	SB5	120
SB5	SB6	100
SB6	SB7	120
SB7	SB8	65
SB8	SB9	110
SB9	SB10	130
SB10	SB11	115
SB11	SB12	110
SB12	SB13	130
SB13	SB14	100
SB14	SB15	110
SB15	SB16	65
SB16	CB1	75
CB1	PB1	35
SB2	PB5	35
SB3	PB6	40
SB4	PB7	40
SB5	PB10	40
SB6	PB11	40
SB8	PB12	30
SB9	PB13	35
SB10	PB15	35
SB11	PB18	35
SB12	PB19	35
SB13	PB23	50
SB14	PB25	30
SB16	PB26	30
	TOTAL	2310

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	15	20	--
SB1	27	--	20
SB1	29	20	--
SB2	19	--	20
SB2	23	35	--
SB2	24	50	--
SB2	25	65	--
SB2	28	--	20
SB3	30	20	--
SB4	6	--	20
SB4	8	20	--
SB4	31	20	--
SB6	7	--	35
SB6	12	--	20
SB7	32	20	--
SB8	2	65	--
SB8	3	50	--
SB8	4	35	--
SB9	20	--	20
SB9	22	20	--
SB9	33	20	--
SB10	16	35	--
SB10	17	50	--
SB10	18	65	--
SB10	21	--	20
SB10	26	--	20
SB11	34	20	--
SB12	1	20	--
SB12	13	--	20
SB12	35	20	--
SB14	5	--	20
SB14	14	--	35
SB15	36	20	--
SB16	9	65	--
SB16	10	50	--
SB16	11	35	--
	TOTAL	840	270

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

	POLES											
	657.0100*	657.0405*	657.0425*	657.0430*	SPV.0060.05*	SPV.0060.06*	SPV.0060.07*	SPV.0060.08*	SPV.0060.12*	SPV.0060.15*	658.0500*	659.1125*
		TRAFFIC SIGNAL STANDARDS	TRAFFIC SIGNAL STANDARDS	TRAFFIC SIGNAL STANDARDS								
	PEDESTAL	ALUMINUM	ALUMINUM	ALUMINUM	INSTALL	INSTALL	INSTALL	INSTALL	INSTALL	INSTALL	PEDESTRIAN	LUMINAIRES
SIGNAL	BASES	3.5-FT	15-FT	10-FT	TYPE 9 SPECIAL	TYPE 10	TYPE 10 SPECIAL	MONOTUBE ARMS	MONOTUBE ARMS	LUMINAIRE ARMS	PUSH	UTILITY
BASE NO.	EACH	EACH	EACH	EACH	EACH	EACH	EACH	15-FT EACH	35-FT SPECIAL EACH	STEEL 15-FT EACH	BUTTONS EACH	LED C EACH
SB1	1	--	1	--	--	--	--	--	--	--	1	--
SB2	--	--	--	--	--	--	1	--	1	2	1	2
SB3	1	--	--	1	--	--	--	--	--	--	1	--
SB4	1	--	1	--	--	--	--	--	--	--	1	--
SB5	1	1	--	--	--	--	--	--	--	--	1	--
SB6	--	--	--	--	--	1	--	1	--	2	--	2
SB7	1	--	--	1	--	--	--	--	--	--	1	--
SB8	--	--	--	--	1	--	--	--	1	--	--	--
SB9	1	--	1	--	--	--	--	--	--	--	1	--
SB10	--	--	--	--	--	--	1	--	1	2	1	2
SB11	1	--	--	1	--	--	--	--	--	--	1	--
SB12	1	--	1	--	--	--	--	--	--	--	1	--
SB13	1	1	--	--	--	--	--	--	--	--	1	--
SB14	--	--	--	--	--	1	--	1	--	2	--	2
SB15	1	--	--	1	--	--	--	--	--	--	1	--
SB16	--	--	--	--	1	--	--	--	1	--	--	--
TOTAL	10	2	4	4	2	2	2	2	4	8	12	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

FACES

SIGNAL BASE NO.	SIGNAL HEAD NO.	658.0173* TRAFFIC SIGNAL FACE 3S-12 INCH EACH	658.0174* TRAFFIC SIGNAL FACE 4S-12 INCH EACH	658.0416* PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	15	1	--	--
SB1	27	--	1	--
SB1	29	--	--	1
SB2	19	--	1	--
SB2	23	1	--	--
SB2	24	1	--	--
SB2	25	1	--	--
SB2	28	--	1	--
SB3	30	--	--	1
SB4	6	--	1	--
SB4	8	1	--	--
SB4	31	--	--	1
SB6	7	--	1	--
SB6	12	--	1	--
SB7	32	--	--	1
SB8	2	1	--	--
SB8	3	1	--	--
SB8	4	1	--	--
SB9	20	--	1	--
SB9	22	1	--	--
SB9	33	--	--	1
SB10	16	1	--	--
SB10	17	1	--	--
SB10	18	1	--	--
SB10	21	--	1	--
SB10	26	--	1	--
SB11	34	--	--	1
SB12	1	1	--	--
SB12	13	--	1	--
SB12	35	--	--	1
SB14	5	--	1	--
SB14	14	--	1	--
SB15	36	--	--	1
SB16	9	1	--	--
SB16	10	1	--	--
SB16	11	1	--	--
	TOTAL	16	12	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 181 AT MILL RD	1
TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.02 SIGNAL MOUNTING HARDWARE EACH
STH 181 AT MILL RD	1
TOTAL	1

TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.17 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET EACH
STH 181 AT MILL RD	1
TOTAL	1

TRANPORTING MATERIALS

LOCATION	SPV.0060.28 TRANSPORT TRAFFIC SIGNAL AND LIGHTING MATERIALS EACH
STH 181 AT MILL RD	1
TOTAL	1

STH 181 & ACACIA ST

3

STATE FURNISHED MATERIALS SUMMARY - FOR INFORMATION ONLY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER AND CABINET
2	POLES TYPE 9 SPECIAL
4	POLES TYPE 10
2	MONOTUBE ARMS 15-FT
2	MONOTUBE ARMS 20-FT
2	MONOTUBE ARMS 35-FT SPECIAL
6	LUMINAIRE ARMS STEEL 15-FT

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	659.5000.S* LAMP, BALLAST, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, THREE SECTION	12
TRAFFIC SIGNAL, FIVE SECTION	4
TRAFFIC SIGNAL, PEDESTRIAN	8
LED LAMP	6
MERCURY SWITCHES	1
TOTAL	31

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
SB15	1
SB16	1
CB1	1
TOTAL	17

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
TOTAL	18

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING TRAFFIC SIGNALS

LOCATION	204.9060.S.03 REMOVING TRAFFIC SIGNALS EACH
STH 181 AT ACACIA ST	1
TOTAL	1

REMOVING WIRE

LOCATION	204.9060.S.14 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 181 AT ACACIA ST	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.03 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
STH 181 AT ACACIA ST	1
TOTAL	1

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

LOCATION	TRAFFIC SIGNAL THREE SECTION EACH	TRAFFIC SIGNAL FIVE SECTION EACH	TRAFFIC SIGNAL PEDESTRIAN EACH	LED LAMP EACH	MERCURY SWITCHES EACH
CB1	--	--	--	--	1
SB1	2	--	1	--	--
SB2	1	--	--	1	--
SB3	--	--	1	--	--
SB4	1	--	1	--	--
SB5	--	1	--	2	--
SB6	1	1	--	--	--
SB7	1	--	--	--	--
SB8	--	--	1	--	--
SB9	2	--	1	--	--
SB10	1	--	--	1	--
SB11	--	--	1	--	--
SB12	1	--	1	--	--
SB13	--	1	--	--	--
SB14	1	1	--	2	--
SB15	1	--	--	--	--
SB16	--	--	1	--	--
	12	4	8	6	1

3

		CONDUIT			
		652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	652.0605* CONDUIT SPECIAL 2-INCH	652.0615* CONDUIT SPECIAL 3-INCH
FROM	TO	L.F.	L.F.	L.F.	L.F.
CB1	PB1	--	75	--	--
PB1	SB1	20	--	--	--
PB1	PB2	--	--	160	--
PB1	PB3	--	--	--	90
PB3	SB2	--	10	--	--
PB3	PB4	--	150	--	--
PB4	SB3	35	--	--	--
PB4	PB5	160	--	--	--
PB5	PB6	130	--	--	--
PB4	PB7	--	--	--	80
PB7	SB4	--	35	--	--
PB7	PB8	--	--	--	50
PB8	SB5	15	--	--	--
PB8	PB9	--	--	--	80
PB9	SB6	--	40	--	--
PB9	PB10	--	150	--	--
PB10	SB7	10	--	--	--
PB10	PB11	--	--	20	--
PB11	PB12	--	--	135	--
PB10	PB13	--	--	--	80
PB13	SB8	--	10	--	--
PB13	PB14	--	160	--	--
PB14	SB9	40	--	--	--
PB14	PB15	--	--	155	--
PB15	PB16	--	--	130	--
PB14	PB17	--	--	--	80
PB17	SB10	--	40	--	--
PB17	PB18	--	--	--	40
PB18	SB11	--	10	--	--
PB18	PB19	--	--	--	80
PB19	PB20	--	100	--	--
PB20	SB12	10	--	--	--
PB20	CB1	--	15	--	--
	TOTAL	420	795	600	580

* QUANTITY SHOWN ELSEWHERE ON PLAN

			CONCRETE BASES			
			654.0101* CONCRETE BASES TYPE 1	654.0110* CONCRETE BASES TYPE 10	654.0120* CONCRETE BASES TYPE 10 SPECIAL	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
SIGNAL BASE NO.	LOCATION STA	OFFSET	EACH	EACH	EACH	EACH
CB1	10+80.3	32.4 RT	--	--	--	1
SB1	10+79.1	19.5 RT	1	--	--	--
SB2	10+81.5	22.9 LT	--	1	--	--
SB3	10+99.0	42.4 LT	1	--	--	--
SB4	86+81.1	9.2 LT	--	1	--	--
SB5	87+3.6	8.7 RT	1	--	--	--
SB6	12+3.0	39.8 LT	--	--	1	--
SB7	12+11.9	25.9 LT	1	--	--	--
SB8	12+11.9	26.8 RT	--	1	--	--
SB9	12+3.1	41.7 RT	1	--	--	--
SB10	85+99.2	8.5 RT	--	1	--	--
SB11	85+73.3	9.1 LT	--	--	1	--
SB12	10+96.6	41.8 RT	1	--	--	--
TOTAL		TOTAL	6	4	2	1

* QUANTITY SHOWN ELSEWHERE ON PLAN

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	MISCELLANEOUS QUANTITIES	SHEET: 600	E

PLOT DATE : 4/16/2025 2:13:16 PM PLOT BY : JGF

PULL BOXES

PULL BOX NO.	LOCATION STA	LOCATION OFFSET	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH
PB1	10+57.4	20.3 RT	--	1
PB2	8+98.3	20.0 RT	--	1
PB3	10+70.9	22.1 LT	--	1
PB4	87+17.7	50.2 LT	--	1
PB5	88+79.2	50.3 LT	1	--
PB6	90+9.7	50.2 LT	1	--
PB7	87+17.7	9.0 LT	--	1
PB8	87+17.3	9.2 RT	--	1
PB9	87+17.5	51.2 RT	--	1
PB10	12+21.1	19.6 LT	--	1
PB11	12+56.5	22.0 LT	--	1
PB12	13+96.8	21.8 LT	--	1
PB13	12+20.3	23.4 RT	--	1
PB14	85+56.9	51.2 RT	--	1
PB15	84+0.8	50.5 RT	--	1
PB16	82+70.3	50.6 RT	--	1
PB17	85+59.3	9.0 RT	--	1
PB18	85+60.0	9.0 LT	--	1
PB19	85+60.1	50.5 LT	--	1
PB20	10+86.1	34.8 RT	--	1
TOTAL		TOTAL	2	18

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	LOCATION** OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
11	PB18	85+60.7	CL	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	210	208
12	PB18	85+88.7	0.1 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	76	210	239
21	PB6	90+10.8	40.5 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	38	460	200
22	PB6	90+10.8	29.5 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	62	460	326
23	PB6	90+10.8	18.5 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	86	460	452
24	PB5	88+80.3	40.6 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	34	330	179
25	PB5	88+80.3	29.6 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	58	330	305
26	PB5	88+80.3	18.6 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	82	330	431
41	PB2	8+98.3	8.2 RT	6 X 8	3	ASPHALT	9F15-4B OPTION 2	42	210	132
42	PB1	10+52.8	8.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	50	221
43	PB1	10+80.8	8.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	50	221
51	PB7	87+20.3	0.1 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	210	208
52	PB7	87+7.7	CL	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	210	208
61	PB16	82+69.8	40.6 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	38	465	200
62	PB16	82+69.8	29.6 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	62	465	326
63	PB16	82+69.8	18.6 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	86	465	452
64	PB15	84+0.3	40.5 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	34	335	179
65	PB15	84+0.3	29.5 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	58	335	305
66	PB15	84+0.3	18.5 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	82	335	431
81	PB12	13+97.4	9.0 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	46	455	242
82	PB11	12+40.9	8.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	74	320	233
83	PB10	12+12.9	8.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	74	300	233
							TOTAL	1190	6115	5277

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270* CABLE TRAFFIC SIGNAL 15-14 AWG L.F.
CB1	SB1	--	90	--
CB1	SB2	--	140	--
CB1	SB3	--	--	240
CB1	SB4	--	310	--
CB1	SB5	--	325	--
CB1	SB6	--	405	--
CB1	SB7	--	420	--
CB1	SB8	--	365	--
CB1	SB9	--	--	300
CB1	SB10	--	245	--
CB1	SB11	--	180	--
CB1	SB12	60	--	--
	TOTAL	60	2480	540

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	95
SB1	SB2	125
SB2	SB3	170
SB3	SB4	160
SB4	SB5	120
SB5	SB6	145
SB6	SB7	175
SB7	SB8	110
SB8	SB9	180
SB9	SB10	170
SB10	SB11	125
SB11	SB12	165
SB12	CB1	65
SB1	PB1	45
SB2	PB3	35
SB3	PB4	60
SB4	PB7	60
SB5	PB8	40
SB6	PB9	65
SB7	PB10	35
SB8	PB13	35
SB9	PB14	65
SB10	PB17	65
SB11	PB18	35
CB1	PB19	80
CB1	PB20	30
	TOTAL	2455

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	15	20	--
SB1	19	20	--
SB1	21	20	--
SB2	20	45	--
SB2	22	20	--
SB3	6	--	20
SB3	8	20	--
SB3	23	20	--
SB4	7	--	35
SB5	12	--	20
SB6	2	65	--
SB6	3	50	--
SB6	4	35	--
SB6	24	20	--
SB7	16	20	--
SB7	18	20	--
SB7	25	35	--
SB8	17	45	--
SB8	26	20	--
SB9	1	20	--
SB9	13	--	20
SB9	27	20	--
SB10	14	--	35
SB11	5	--	20
SB11	9	35	--
SB11	10	50	--
SB1	11	65	--
SB12	7	20	--
	TOTAL	685	150

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED L.F.	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB2	140	--
SB2	LUMINAIRE 1	--	145
SB2	SB4	235	--
SB4	LUMINAIRE 1	--	145
SB4	LUMINAIRE 2	--	145
CB1	SB10	245	--
SB10	LUMINAIRE 1	--	145
SB10	LUMINAIRE 2	--	145
SB10	SB8	245	--
SB8	LUMINAIRE 1	--	145
	TOTAL	865	870

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

	POLES											
	657.0100*	657.0420*	657.0425*	657.0430*	SPV.0060.05*	SPV.0060.06*	SPV.0060.08*	SPV.0060.09*	SPV.0060.12*	SPV.0060.15*	658.0500*	659.1125*
SIGNAL BASE NO.	PEDESTAL BASES EACH	TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	INSTALL TYPE 9 SPECIAL POLE EACH	INSTALL TYPE 10 POLE EACH	INSTALL MONOTUBE ARMS 15-FT EACH	INSTALL MONOTUBE ARMS 20-FT EACH	INSTALL MONOTUBE ARMS 35-FT SPECIAL EACH	INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	PEDESTRIAN PUSH BUTTONS EACH	LUMINAIRES UTILITY LED C EACH
SB1	1	1	--	--	--	--	--	--	--	--	1	--
SB2	--	--	--	--	--	1	--	1	--	1	1	1
SB3	1	--	1	--	--	--	--	--	--	--	1	--
SB4	--	--	--	--	--	1	1	--	--	2	1	2
SB5	1	--	1	--	--	--	--	--	--	--	--	--
SB6	--	--	--	--	1	--	--	--	1	--	1	--
SB7	1	1	--	--	--	--	--	--	--	--	1	--
SB8	--	--	--	--	--	1	--	1	--	1	1	1
SB9	1	--	1	--	--	--	--	--	--	--	1	--
SB10	--	--	--	--	--	1	1	--	--	2	1	2
SB11	--	--	--	--	1	--	--	--	1	--	--	--
SB12	1	--	--	1	--	--	--	--	--	--	1	--
TOTAL	6	2	3	1	2	4	2	2	2	6	10	6

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

FACES

SIGNAL BASE NO.	SIGNAL HEAD NO.	658.0173* TRAFFIC SIGNAL FACE 3S-12 INCH EACH	658.0174* TRAFFIC SIGNAL FACE 4S-12 INCH EACH	658.0416* PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	15	1	--	--
SB1	19	1	--	--
SB1	21	--	--	1
SB2	20	1	--	--
SB2	22	--	--	1
SB3	6	--	1	--
SB3	8	1	--	--
SB3	23	--	--	1
SB4	7	--	1	--
SB5	12	--	1	--
SB6	2	1	--	--
SB6	3	1	--	--
SB6	4	1	--	--
SB6	24	--	--	1
SB7	16	1	--	--
SB7	18	1	--	--
SB7	25	--	--	1
SB8	17	1	--	--
SB8	26	--	--	1
SB9	1	1	--	--
SB9	13	--	1	--
SB9	27	--	--	1
SB10	14	--	1	--
SB11	5	--	1	--
SB11	9	1	--	--
SB11	10	1	--	--
SB11	11	1	--	--
SB12	28	--	--	1
	TOTAL	14	6	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.03 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 181 AT ACACIA ST	1
TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.03 SIGNAL MOUNTING HARDWARE EACH
STH 181 AT ACACIA ST	1
TOTAL	1

TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.18 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET EACH
STH 181 AT ACACIA ST	1
TOTAL	1

TRANPORTING MATERIALS

LOCATION	SPV.0060.29 TRANSPORT TRAFFIC SIGNAL AND LIGHTING MATERIALS EACH
STH 181 AT ACACIA ST	1
TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY - FOR INFORMATION ONLY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER AND CABINET
2	POLES TYPE 9 SPECIAL
3	POLES TYPE 10
1	POLES TYPE 10 SPECIAL
2	MONOTUBE ARMS 15-FT
1	MONOTUBE ARMS 30-FT
3	MONOTUBE ARMS 35-FT SPECIAL
6	LUMINAIRE ARMS STEEL 15-FT

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	659.5000.S* LAMP, BALLAST, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, THREE SECTION	12
TRAFFIC SIGNAL, FIVE SECTION	4
TRAFFIC SIGNAL, PEDESTRIAN	8
LED LAMP	4
MERCURY SWITCHES	1
TOTAL	29

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
SB15	1
SB16	1
CB1	1
TOTAL	17

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
TOTAL	18

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING TRAFFIC SIGNALS

LOCATION	204.9060.S.04 REMOVING TRAFFIC SIGNALS EACH
STH 181 AT GREEN TREE RD	1
TOTAL	1

REMOVING WIRE

LOCATION	204.9060.S.15 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 181 AT GREEN TREE RD	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.04 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
STH 181 AT GREEN TREE RD	1
TOTAL	1

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

LOCATION	TRAFFIC SIGNAL THREE SECTION EACH	TRAFFIC SIGNAL FIVE SECTION EACH	TRAFFIC SIGNAL PEDESTRIAN EACH	LED LAMP EACH	MERCURY SWITCHES EACH
CB1	--	--	--	--	1
SB1	1	--	1	--	--
SB2	--	1	--	--	--
SB3	1	1	--	2	--
SB4	1	--	--	--	--
SB5	--	--	1	--	--
SB6	2	--	1	--	--
SB7	1	--	1	--	--
SB9	1	--	1	--	--
SB10	--	1	--	2	--
SB11	1	1	--	--	--
SB12	1	--	--	--	--
SB13	--	--	1	--	--
SB14	2	--	1	--	--
SB15	1	--	1	--	--
	12	4	8	4	1

3

		CONDUIT			
		652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	652.0605* CONDUIT SPECIAL 2-INCH	652.0615* CONDUIT SPECIAL 3-INCH
FROM	TO	L.F.	L.F.	L.F.	L.F.
CB1	PB1	--	110	--	--
PB1	SB1	30	--	--	--
PB1	PB2	--	--	170	--
PB2	PB3	130	--	--	--
PB1	PB4	--	--	--	80
PB4	SB2	--	30	--	--
PB4	PB5	--	--	--	30
PB5	SB3	10	--	--	--
PB5	PB6	--	--	--	80
PB6	SB4	--	30	--	--
PB6	PB7	--	140	--	--
PB7	SB 5	25	--	--	--
PB7	SB6	20	--	--	--
PB7	PB8	5	--	--	--
PB8	PB9	--	--	205	--
PB7	PB10	--	--	--	100
PB10	SB7	--	15	--	--
PB10	PB11	--	140	--	--
PB11	SB8	20	--	--	--
PB11	PB12	--	--	180	--
PB12	PB13	--	--	130	--
PB11	PB14	--	--	--	80
PB14	SB9	--	15	--	--
PB14	PB15	--	--	--	40
PB15	SB10	20	--	--	--
PB15	PB16	--	--	--	80
PB16	SB11	--	20	--	--
PB16	PB17	--	120	--	--
PB17	SB12	10	--	--	--
PB17	PB18	10	--	--	--
PB18	PB19	--	--	200	--
PB17	PB20	--	--	--	130
PB20	SB13	--	20	--	--
PB20	CB1	--	15	--	--
	TOTAL	280	655	885	620

* QUANTITY SHOWN ELSEWHERE ON PLAN

			CONCRETE BASES			
			654.0101* CONCRETE BASES TYPE 1	654.0110* CONCRETE BASES TYPE 10	654.0120* CONCRETE BASES TYPE 10 SPECIAL	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
SIGNAL BASE NO.	LOCATION STA	OFFSET	EACH	EACH	EACH	EACH
CB1	99+38.4	81.4 RT	--	--	--	1
SB1	99+33.4	61.1 RT	1	--	--	--
SB2	99+20.0	9.5 RT	--	1	--	--
SB3	99+2.5	8.7 LT	1	--	--	--
SB4	99+18.7	52.3 LT	--	--	1	--
SB5	99+32.3	60.3 LT	1	--	--	--
SB6	99+37.1	63.0 LT	1	--	--	--
SB7	100+4.1	61.4 LT	--	1	--	--
SB8	100+29.4	51.6 LT	1	--	--	--
SB9	100+29.1	8.4 LT	--	1	--	--
SB10	100+35.9	8.9 RT	1	--	--	--
SB11	100+28.1	52.5 RT	--	--	1	--
SB12	100+8.6	62.3 RT	1	--	--	--
SB13	99+33.4	61.1 RT	--	--	1	--
TOTAL		TOTAL	7	3	3	1

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

PULL BOXES

PULL BOX NO.	LOCATION STA	LOCATION OFFSET	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH
PB1	98+92.8	51.0 RT	--	1
PB2	97+22.7	50.2 RT	--	1
PB3	95+92.1	50.3 RT	1	--
PB4	98+93.4	8.7 RT	--	1
PB5	98+92.4	8.6 LT	--	1
PB6	98+91.7	52.3 LT	--	1
PB7	99+41.5	80.9 LT	--	1
PB8	99+41.1	88.0 LT	--	1
PB9	9+06.3	26.3 RT	--	1
PB10	99+95.3	72.6 LT	--	1
PB11	100+47.3	50.9 LT	--	1
PB12	102+28.1	50.6 LT	--	1
PB13	103+68.4	50.9 LT	--	1
PB14	100+45.0	8.7 LT	--	1
PB15	100+58.8	9.3 RT	--	1
PB16	100+45.0	50.6 RT	--	1
PB17	100+6.5	74.5 RT	--	1
PB18	100+6.4	87.9 RT	--	1
PB19	14+89.2	28.1 LT	--	1
PB20	99+43.0	76.1 RT	--	1
TOTAL		TOTAL	1	19

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	LOCATION** OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
11	PB5	98+87.0	CL	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	135	214
12	PB5	99+15.0	CL	6 X 20	3	ASPHALT	9F15-4B OPTION 2	64	135	202
21	PB13	103+58.7	40.4 LT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	46	565	242
22	PB13	103+58.7	29.4 LT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	68	565	357
23	PB13	103+58.7	18.4 LT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	90	565	473
24	PB12	102+28.2	40.4 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	38	435	200
25	PB12	102+28.2	29.4 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	60	435	315
26	PB12	102+28.2	18.4 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	82	435	431
31	PB18	99+75.9	90.3 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	108	105	340
32	PB18	99+75.7	62.3 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	108	105	340
41	PB9	9+05.4	11.5 RT	6 X 16	4	ASPHALT	9F15-4B OPTION 2	58	455	244
42	PB8	99+50.9	91.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	250	214
43	PB8	99+51.4	63.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	250	214
44	PB8	99+61.9	91.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	88	250	277
45	PB8	99+62.4	63.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	88	250	277
51	PB14	100+58.0	0.1 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	80	215	252
52	PB14	100+30.0	0.1 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	215	214
61	PB3	95+91.6	40.5 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	38	380	200
62	PB3	95+91.6	29.5 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	60	380	315
63	PB3	95+91.6	18.5 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	82	380	431
64	PB2	97+22.1	40.4 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	38	250	160
65	PB2	97+22.1	29.4 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	60	250	252
66	PB2	97+22.2	18.4 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	82	250	344
81	PB19	14+88.8	15.6 LT	6 X 16	3	ASPHALT	9F15-4B OPTION 2	52	305	164
82	PB18	99+96.1	90.3 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	105	214
83	PB18	99+95.9	62.3 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	105	221
84	PB18	99+86.3	90.3 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	86	105	271
85	PB18	99+86.1	62.3 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	88	105	277
							TOTAL	1796	7145	6995

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

PLOT DATE : 4/16/2025 3:15:52 PM PLOT BY : JGF

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TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270* CABLE TRAFFIC SIGNAL 15-14 AWG L.F.
CB1	SB1	--	--	130
CB1	SB2	--	185	--
CB1	SB3	--	195	--
CB1	SB4	--	270	--
CB1	SB5	350	--	--
CB1	SB6	--	345	--
CB1	SB7	--	--	405
CB1	SB8	--	--	370
CB1	SB9	--	310	--
CB1	SB10	--	280	--
CB1	SB11	--	225	--
CB1	SB12	--	140	--
CB1	SB13	--	70	--
	TOTAL	350	2020	905

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED L.F.	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB2	185	--
SB2	LUMINAIRE 1	--	145
SB2	LUMINAIRE 2	--	145
SB2	SB7	275	--
SB7	LUMINAIRE 1	--	145
CB1	SB13	70	--
SB13	LUMINAIRE 1	--	145
SB13	SB9	325	--
SB9	LUMINAIRE 1	--	145
SB9	LUMINAIRE 2	--	120
	TOTAL	855	845

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	135
SB1	SB2	150
SB2	SB3	105
SB3	SB4	130
SB4	SB5	175
SB5	SB6	95
SB6	SB7	135
SB7	SB8	155
SB8	SB9	125
SB9	SB10	105
SB10	SB11	140
SB11	SB12	140
SB12	SB13	145
SB13	CB1	75
SB1	PB1	55
SB2	PB4	55
SB3	PB5	35
SB4	PB6	55
SB5	PB7	60
SB7	PB10	40
SB8	PB11	45
SB9	PB14	40
SB10	PB15	45
SB11	PB16	45
SB12	PB17	35
CB1	PB20	30
	TOTAL	2350

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	1	20	--
SB1	13	--	20
SB1	23	20	--
SB2	14	--	35
SB3	5	--	20
SB4	9	65	--
SB4	10	50	--
SB4	11	35	--
SB4	24	20	--
SB6	15	20	--
SB6	21	--	20
SB6	25	20	--
SB7	19	45	--
SB7	20	20	--
SB7	22	--	60
SB7	26	20	--
SB8	6	--	20
SB8	8	20	--
SB8	27	20	--
SB9	7	--	35
SB10	12	--	20
SB11	2	65	--
SB11	3	50	--
SB11	4	35	--
SB11	28	20	--
SB12	18	20	--
SB12	29	20	--
SB13	16	65	--
SB13	17	35	--
SB13	30	20	--
	TOTAL	705	230

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

	POLES											
	657.0100*	657.0405* TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT	657.0425* TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT	SPV.0060.05* INSTALL TYPE 9 SPECIAL POLE	SPV.0060.06* INSTALL TYPE 10 POLE	SPV.0060.07* INSTALL TYPE 10 SPECIAL POLE	SPV.0060.08* INSTALL MONOTUBE ARMS 15-FT	SPV.0060.11* INSTALL MONOTUBE ARMS 30-FT	SPV.0060.12* INSTALL MONOTUBE ARMS 35-FT SPECIAL	SPV.0060.15* INSTALL LUMINAIRE ARMS STEEL 15-FT	658.0500* PEDESTRIAN PUSH BUTTONS	659.1125* LUMINAIRES UTILITY LED C
SIGNAL BASE NO.	PEDESTAL BASES EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
SB1	1	--	1	--	--	--	--	--	--	--	1	--
SB2	--	--	--	--	1	--	1	--	--	2	1	2
SB3	1	--	1	--	--	--	--	--	--	--	--	--
SB4	--	--	--	1	--	--	--	--	1	--	1	--
SB5	1	1	--	--	--	--	--	--	--	--	1	--
SB6	1	--	1	--	--	--	--	--	--	--	--	--
SB7	--	--	--	--	1	--	--	1	--	1	1	1
SB8	1	--	1	--	--	--	--	--	--	--	1	--
SB9	--	--	--	--	1	--	1	--	--	2	1	2
SB10	1	--	1	--	--	--	--	--	--	--	--	--
SB11	--	--	--	1	--	--	--	--	1	--	1	--
SB12	1	--	1	--	--	--	--	--	--	--	1	--
SB13	--	--	--	--	--	1	--	--	1	1	1	1
TOTAL	7	1	6	2	3	1	2	1	3	6	10	6

* QUANTITY SHOWN ELSEWHERE ON PLAN

PLOT DATE : 4/16/2025 3:15:52 PM PLOT BY : JGF

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		FACES		
		658.0173*	658.0174*	658.0416*
SIGNAL BASE NO.	SIGNAL HEAD NO.	TRAFFIC SIGNAL FACE 3S-12 INCH EACH	TRAFFIC SIGNAL FACE 4S-12 INCH EACH	PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	1	1	--	--
SB1	13	--	1	--
SB1	23	--	--	1
SB2	14	--	1	--
SB3	5	--	1	--
SB4	9	1	--	--
SB4	10	1	--	--
SB4	11	1	--	--
SB4	24	--	--	1
SB6	15	1	--	--
SB6	21	--	1	--
SB6	25	--	--	1
SB7	19	1	--	--
SB7	20	1	--	--
SB7	22	--	1	--
SB7	26	--	--	1
SB8	6	--	1	--
SB8	8	1	--	--
SB8	27	--	--	1
SB9	7	--	1	--
SB10	12	--	1	--
SB11	2	1	--	--
SB11	3	1	--	--
SB11	4	1	--	--
SB11	28	--	--	1
SB12	18	1	--	--
SB12	29	--	--	1
SB13	16	1	--	--
SB13	17	1	--	--
SB13	30	--	--	1
	TOTAL	14	8	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.04 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 181 AT GREEN TREE RD	1
TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.04 SIGNAL MOUNTING HARDWARE EACH
STH 181 AT GREEN TREE RD	1
TOTAL	1

TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.19 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET EACH
STH 181 AT GREEN TREE RD	1
TOTAL	1

TRANPORTING MATERIALS

LOCATION	SPV.0060.30 TRANSPORT TRAFFIC SIGNAL AND LIGHTING MATERIALS EACH
STH 181 AT GREEN TREE RD	1
TOTAL	1

STH 181 & GOOD HOPE RD

3

STATE FURNISHED MATERIALS SUMMARY - FOR INFORMATION ONLY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER AND CABINET
4	POLES TYPE 9 SPECIAL
4	POLES TYPE 10
2	MONOTUBE ARMS 15-FT
2	MONOTUBE ARMS 20-FT
2	MONOTUBE ARMS 35-FT SPECIAL
1	MONOTUBE ARMS 40-FT SPECIAL
1	MONOTUBE ARMS 45-FT SPECIAL
8	LUMINAIRE ARMS STEEL 15-FT

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	659.5000.S* LAMP, BALLAST, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, THREE SECTION	26
TRAFFIC SIGNAL, PEDESTRIAN	8
LED LAMP	9
MERCURY SWITCHES	1
TOTAL	44

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
SB15	1
SB16	1
SB17	1
SB18	1
SB19	1
CB1	1
TOTAL	20

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
PB19	1
PB20	1
PB21	1
PB22	1
PB23	1
PB24	1
PB25	1
PB26	1
PB27	1
PB28	1
PB29	1
PB30	1
PB31	1
PB32	1
PB33	1
PB34	1
TOTAL	34

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING TRAFFIC SIGNALS

LOCATION	204.9060.S.05 REMOVING TRAFFIC SIGNALS EACH
STH 181 AT GOOD HOPE RD	1
TOTAL	1

REMOVING WIRE

LOCATION	204.9060.S.16 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 181 AT GOOD HOPE RD	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.05 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
STH 181 AT GOOD HOPE RD	1
TOTAL	1

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

LOCATION	TRAFFIC SIGNAL THREE SECTION EACH	TRAFFIC SIGNAL PEDESTRIAN EACH	LED LAMP EACH	MERCURY SWITCHES EACH
CB1	--	--	--	1
SB1	1	1	--	--
SB3	2	1	--	--
SB4	3	--	2	--
SB5	1	--	--	--
SB6	--	1	--	--
SB8	2	1	--	--
SB9	3	--	2	--
SB10	1	1	--	--
SB12	2	1	--	--
SB13	2	--	2	--
SB14	2	--	--	--
SB15	1	--	--	--
SB16	1	--	1	--
SB17	--	1	--	--
SB18	2	1	--	--
SB19	3	--	2	--
	26	8	9	1

PLOT DATE : 4/16/2025 3:43:13 PM PLOT BY : JGF

3

		CONDUIT			
		652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	652.0605* CONDUIT SPECIAL 2-INCH	652.0615* CONDUIT SPECIAL 3-INCH
FROM	TO	L.F.	L.F.	L.F.	L.F.
CB1	PB1	--	15	--	--
PB1	SB1	--	10	--	--
PB1	SB2	30	--	--	--
PB1	PB2	--	160	--	--
PB2	PB3	--	--	155	--
PB3	PB4	130	--	--	--
PB2	PB5	--	--	--	120
PB5	SB3	--	5	--	--
PB5	PB6	--	--	--	80
PB6	SB4	--	40	--	--
PB6	SB5	45	--	--	--
PB6	PB8	--	240	--	--
PB8	SB6	45	--	--	--
PB8	PB7	20	--	--	--
PB8	PB9	--	--	150	--
PB9	PB10	130	--	--	--
PB8	PB11	--	--	--	140
PB11	SB7	--	5	--	--
PB11	PB12	--	--	--	100
PB12	PB13	--	--	45	--
PB12	PB14	--	--	--	220
PB13	SB8	--	5	--	--
PB13	SB9	10	--	--	--
PB13	SB10	50	--	--	--
PB14	PB15	--	--	160	--
PB15	PB16	130	--	--	--
PB14	PB17	--	--	--	120
PB17	SB11	--	5	--	--
PB17	SB12	15	--	--	--
PB17	PB18	5	--	--	--
PB17	PB19	--	--	--	90
PB19	SB13	--	5	--	--
PB19	PB20	--	--	--	150
PB20	SB14	35	--	--	--
PB20	PB21	155	--	--	--
PB21	PB22	130	--	--	--
PB20	PB23	--	--	--	30
PB23	PB24	10	--	--	--
PB23	SB15	35	--	--	--
PB23	SB16	20	--	--	--
PB20	PB25	--	--	--	180
PB25	SB17	--	10	--	--
PB25	PB26	5	--	--	--
PB25	PB27	--	--	--	110
PB27	CB1	--	75	--	--
	TOTAL	1000	575	510	1340

* QUANTITY SHOWN ELSEWHERE ON PLAN

			CONCRETE BASES				
			654.0101* CONCRETE BASES TYPE 1	654.0102* CONCRETE BASES TYPE 2	654.0110* CONCRETE BASES TYPE 10	654.0120* CONCRETE BASES TYPE 10 SPECIAL	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
SIGNAL BASE NO.	LOCATION STA	OFFSET	EACH	EACH	EACH	EACH	EACH
CB1	125+57.7	79.3 RT	--	--	--	--	1
SB1	125+57.2	60.8 RT	--	--	--	1	--
SB2	125+35.6	51.4 RT	1	--	--	--	--
SB3	125+0.2	9.8 LT	--	--	1	--	--
SB4	125+32.0	51.6 LT	--	--	--	1	--
SB5	125+38.0	51.9 LT	1	--	--	--	--
SB6	125+60.9	62.8 LT	1	--	--	--	--
SB7	13+95.8	25.5 LT	--	--	1	--	--
SB8	126+81.6	71.0 LT	--	--	--	1	--
SB9	126+89.0	61.3 LT	1	--	--	--	--
SB10	127+4.9	51.6 LT	1	--	--	--	--
SB11	127+41.6	9.9 RT	--	--	1	--	--
SB12	127+61.6	9.8 RT	1	--	--	--	--
SB13	127+54.1	51.8 RT	--	--	--	1	--
SB14	127+16.5	72.6 RT	--	1	--	--	--
SB15	126+95.1	53.4 RT	1	--	--	--	--
SB16	126+82.1	63.8 RT	1	--	--	--	--
SB17	10+96.7	24.8 RT	--	--	1	--	--
TOTAL		TOTAL	8	1	4	4	1

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
11	PB5	124+92.9	7.6 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	82	170	258
12	PB5	125+20.9	7.7 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	82	170	258
13	PB5	124+93.0	1.8 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	64	170	202
14	PB5	125+21.0	1.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	170	214
21	PB16	130+34.1	39.4 LT	6 X 12	5	ASPHALT	9F15-4B OPTION 2	52	665	273
22	PB16	130+34.2	29.7 LT	6 X 12	5	ASPHALT	9F15-4B OPTION 2	72	665	378
23	PB16	130+34.2	19.9 LT	6 X 12	5	ASPHALT	9F15-4B OPTION 2	92	665	483
24	PB15	129+03.7	39.4 LT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	48	535	252
25	PB15	129+03.7	29.6 LT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	68	535	357
26	PB15	129+03.7	19.9 LT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	88	535	462
31	PB26	126+37.0	99.9 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	90	110	284
32	PB26	126+36.0	71.9 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	94	110	296
33	PB26	10+99.9	15.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	110	214
34	PB26	126+26.1	72.4 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	78	110	246
41	PB10	11+06.9	30.1 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	38	475	200
42	PB10	11+07.1	18.5 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	60	475	315
43	PB10	11+07.4	6.1 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	86	475	452
44	PB9	12+38.0	27.5 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	44	345	185
45	PB9	12+38.1	17.8 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	64	345	269
46	PB9	12+38.1	8.0 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	84	345	353
47	PB7	125+75.1	91.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	350	221
48	PB7	125+75.6	63.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	350	214
49	PB7	125+87.3	91.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	92	350	290
410	PB7	125+87.8	63.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	92	350	290
411	PB7	125+99.5	91.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	116	350	365
412	PB7	126+0.0	63.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	116	350	365
51	PB18	127+51.4	8.3 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	82	320	258
52	PB18	127+23.4	8.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	86	320	271
53	PB18	127+50.7	2.1 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	62	320	195
54	PB18	127+22.7	2.1 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	320	221
61	PB4	122+06.3	39.3 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	40	395	210
62	PB4	122+06.4	29.5 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	60	395	315
63	PB4	122+06.4	19.8 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	80	395	420
64	PB3	123+36.8	39.3 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	40	265	168
65	PB3	123+36.8	29.6 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	60	265	252
66	PB3	123+36.9	19.8 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	80	265	336
71	PB11	13+88.5	4.9 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	90	405	284
72	PB11	126+10.6	83.7 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	90	405	284
73	PB11	13+88.6	14.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	405	221
74	PB11	126+20.4	83.9 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	405	227
81	PB22	13+94.1	29.2 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	46	480	242
82	PB22	13+94.4	17.6 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	68	480	357
83	PB22	13+94.4	7.8 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	88	480	462
84	PB21	12+63.9	27.2 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	46	350	242
85	PB21	12+63.9	17.5 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	64	350	336
86	PB21	12+63.9	7.7 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	84	350	441
87	PB23	126+72.2	94.0 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	78	225	246
88	PB24	126+71.2	66.0 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	76	235	239
89	PB23	126+60.0	93.9 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	98	225	309
810	PB24	126+59.0	65.9 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	104	235	328
811	PB23	126+47.8	94.5 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	122	225	384
812	PB24	126+46.9	66.5 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	132	235	416
813	PB20	126+96.2	94.1 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	78	195	246
814	PB20	127+04.1	67.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	92	195	290
							TOTAL	3838	17740	14958

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

PULL BOXES

PULL BOX NO.	LOCATION STA	OFFSET	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH
PB1	125+56.7	72.1 RT	--	1
PB2	124+90.7	50.3 RT	--	1
PB3	123+36.9	50.5 RT	--	1
PB4	122+6.4	50.4 RT	1	--
PB5	124+95.3	9.8 LT	--	1
PB6	124+93.8	50.6 LT	--	1
PB7	125+64.8	86.4 LT	1	--
PB8	13+91.4	42.3 RT	--	1
PB9	12+32.5	41.1 RT	--	1
PB10	11+24.9	41.3 RT	1	--
PB11	13+91.5	26.4 LT	--	1
PB12	13+93.2	73.2 LT	--	1
PB13	126+79.6	65.0 LT	1	--
PB14	127+46.2	51.0 LT	--	1
PB15	129+02.9	50.7 LT	--	1
PB16	130+33.5	50.7 LT	1	--
PB17	127+45.7	10.0 RT	--	1
PB18	127+49.4	10.0 RT	1	--
PB19	127+45.8	51.1 RT	--	1
PB20	11+08.5	62.4 LT	--	1
PB21	12+63.6	40.7 LT	1	--
PB22	13+76.6	41.3 LT	1	--
PB23	126+84.6	85.0 RT	--	1
PB24	126+82.9	74.7 RT	1	--
PB25	11+09.1	26.9 RT	--	1
PB26	11+01.7	26.7 RT	1	--
PB27	11+06.7	80.2 RT	--	1
TOTAL		TOTAL	10	17

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG L.F.
CB1	SB1	--	60
CB1	SB2	--	80
CB1	SB3	--	210
CB1	SB4	--	315
CB1	SB5	320	--
CB1	SB6	--	455
CB1	SB7	--	500
CB1	SB8	--	565
CB1	SB9	570	--
CB1	SB10	--	610
CB1	SB11	--	405
CB1	SB12	--	410
CB1	SB13	--	340
CB1	SB14	--	280
CB1	SB15	325	--
CB1	SB16	--	320
CB1	SB17	--	295
	TOTAL	1215	4845

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED L.F.	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB3	210	--
SB3	LUMINAIRE 1	--	145
SB3	LUMINAIRE 2	--	145
SB3	SB7	330	--
SB6	LUMINAIRE 1	--	145
SB6	LUMINAIRE 2	--	145
CB1	SB17	295	--
SB17	LUMINAIRE 1	--	145
SB17	LUMINAIRE 2	--	145
SB17	SB14	200	--
SB14	LUMINAIRE 1	--	120
SB14	SB11	235	
SB11	LUMINAIRE 1	--	145
SB10	LUMINAIRE 2	--	145
	TOTAL	1270	1280

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	65
SB1	SB2	90
SB2	SB3	225
SB3	SB4	135
SB4	SB5	135
SB5	SB6	260
SB6	SB7	170
SB7	SB8	160
SB8	SB9	65
SB9	SB10	110
SB10	SB11	240
SB11	SB12	65
SB12	SB13	105
SB13	SB14	165
SB14	SB15	150
SB15	SB16	115
SB16	SB17	215
SB17	CB1	145
CB1	PB1	30
SB2	PB2	135
SB3	PB5	30
SB4	PB6	65
SB6	PB8	70
SB7	PB11	30
SB8	PB12	80
SB8	PB13	30
SB10	PB14	130
SB11	PB17	30
SB13	PB19	30
SB14	PB20	60
SB16	PB23	55
SB17	PB25	30
CB1	PB27	50
	TOTAL	3470

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.
SB1	16	75
SB1	17	60
SB1	18	45
SB1	39	20
SB2	1	20
SB2	32	20
SB3	5	20
SB3	13	45
SB3	14	30
SB4	9	65
SB4	10	50
SB4	11	35
SB5	33	20
SB6	15	20
SB6	34	20
SB7	19	20
SB7	27	45
SB7	28	20
SB8	23	70
SB8	24	55
SB8	25	40
SB9	35	20
SB10	8	20
SB10	36	20
SB11	6	50
SB11	7	35
SB11	12	20
SB11	30	20
SB12	31	20
SB13	2	65
SB13	3	50
SB13	4	35
SB14	29	20
SB15	37	20
SB16	22	20
SB16	38	20
SB17	20	45
SB17	21	30
SB17	26	20
	TOTAL	1325

* QUANTITY SHOWN ELSEWHERE ON PLAN

	POLES															
	657.0100*	657.0255*	657.0310*	657.0420	657.0430*	657.0609*	SPV.0060.05*	SPV.0060.06*	SPV.0060.08*	SPV.0060.09*	SPV.0060.12*	SPV.0060.13*	SPV.0060.14*	SPV.0060.15*	658.0500*	659.1125*
		TRANSFORMER BASES BREAKAWAY		TRAFFIC SIGNAL STANDARDS	TRAFFIC SIGNAL STANDARDS		INSTALL	INSTALL	INSTALL	INSTALL	INSTALL	INSTALL	INSTALL	INSTALL		
	PEDESTAL	11 1/2-INCH	POLES	ALUMINUM	ALUMINUM	LUMINAIRE ARMS SINGLE MEMBER	TYPE 9 SPECIAL	TYPE 10	MONOTUBE ARMS	MONOTUBE ARMS	MONOTUBE ARMS	MONOTUBE ARMS	MONOTUBE ARMS	LUMINAIRE ARMS	PEDESTRIAN PUSH	LUMINAIRES UTILITY
SIGNAL BASE NO.	BASES EACH	BOLT CIRCLE EACH	TYPE 3 EACH	13-FT EACH	10-FT EACH	4-INCH CLAMP 6-FT EACH	POLE EACH	POLE EACH	15-FT EACH	20-FT EACH	35-FT SPECIAL EACH	40-FT SPECIAL EACH	45-FT SPECIAL EACH	STEEL 15-FT EACH	BUTTONS EACH	LED C EACH
SB1	--	--	--	--	--	--	1	--	--	--	--	--	1	--	1	--
SB2	1	--	--	1	--	--	--	--	--	--	--	--	--	--	1	--
SB3	--	--	--	--	--	--	--	1	--	1	--	--	--	2	--	2
SB4	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--
SB5	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1	--
SB6	1	--	--	1	--	--	--	--	--	--	--	--	--	--	1	--
SB7	--	--	--	--	--	--	--	1	1	--	--	--	--	2	--	2
SB8	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--
SB9	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1	--
SB10	1	--	--	1	--	--	--	--	--	--	--	--	--	--	1	--
SB11	--	--	--	--	--	--	--	1	--	1	--	--	--	2	--	2
SB12	1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--
SB13	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--	--
SB14	--	1	1	--	--	1	--	--	--	--	--	--	--	--	--	1
SB15	1	--	--	--	1	--	--	--	--	--	--	--	--	--	1	--
SB16	1	--	--	1	--	--	--	--	--	--	--	--	--	--	1	--
SB17	--	--	--	--	--	--	--	1	1	--	--	--	--	2	--	2
TOTAL	8	1	1	5	3	1	4	4	2	2	2	1	1	8	8	9

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

		FACES	
		658.0173*	658.0416*
SIGNAL BASE NO.	SIGNAL HEAD NO.	TRAFFIC SIGNAL FACE 3S-12 INCH EACH	PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	16	1	--
SB1	17	1	--
SB1	18	1	--
SB1	39	--	1
SB2	1	1	--
SB2	32	--	1
SB3	5	1	--
SB3	13	1	--
SB3	14	1	--
SB4	9	1	--
SB4	10	1	--
SB4	11	1	--
SB5	33	1	--
SB6	15	1	--
SB6	34	--	1
SB7	19	1	--
SB7	27	1	--
SB7	28	1	--
SB8	23	1	--
SB8	24	1	--
SB8	25	1	--
SB9	35	--	1
SB10	8	1	--
SB10	36	--	1
SB11	6	1	--
SB11	7	1	--
SB11	12	1	--
SB11	30	1	--
SB12	31	--	1
SB13	2	1	--
SB13	3	1	--
SB13	4	1	--
SB14	29	1	--
SB15	37	--	1
SB16	22	1	--
SB16	38	--	1
SB17	20	1	--
SB17	21	1	--
SB17	26	1	--
	TOTAL	31	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.05 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 181 AT GOOD HOPE RD	1
TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.05 SIGNAL MOUNTING HARDWARE EACH
STH 181 AT GOOD HOPE RD	1
TOTAL	1

TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.20 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET EACH
STH 181 AT GOOD HOPE RD	1
TOTAL	1

TRANPORTING MATERIALS

LOCATION	SPV.0060.31 TRANSPORT TRAFFIC SIGNAL AND LIGHTING MATERIALS EACH
STH 181 AT GOOD HOPE RD	1
TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY - FOR INFORMATION ONLY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER AND CABINET
1	POLES TYPE 9
2	POLES TYPE 9 SPECIAL
3	POLES TYPE 10
2	MONOTUBE ARMS 15-FT
2	MONOTUBE ARMS 25-FT
2	MONOTUBE ARMS 35-FT SPECIAL
5	LUMINAIRE ARMS STEEL 15-FT

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	659.5000.S* LAMP, BALLAST, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, THREE SECTION	12
TRAFFIC SIGNAL, FIVE SECTION	4
TRAFFIC SIGNAL, PEDESTRIAN	8
LED LAMP	7
MERCURY SWITCHES	1
TOTAL	32

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
CB1	1
TOTAL	15

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
PB19	1
TOTAL	19

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING TRAFFIC SIGNALS

LOCATION	204.9060.S.06 REMOVING TRAFFIC SIGNALS EACH
STH 181 AT CALUMET RD	1
TOTAL	1

REMOVING WIRE

LOCATION	204.9060.S.17 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 181 AT CALUMET RD	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.06 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
STH 181 AT CALUMET RD	1
TOTAL	1

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

LOCATION	TRAFFIC SIGNAL THREE SECTION EACH	TRAFFIC SIGNAL FIVE SECTION EACH	TRAFFIC SIGNAL PEDESTRIAN EACH	LED LAMP EACH	MERCURY SWITCHES EACH
CB1	--	--	--	--	1
SB1	1	--	1	1	--
SB2	1	--	1	--	--
SB3	--	1	--	2	--
SB4	1	1	--	--	--
SB5	1	--	1	--	--
SB6	1	--	1	--	--
SB7	1	--	--	2	--
SB8	1	--	--	--	--
SB9	--	--	1	--	--
SB10	1	--	1	--	--
SB11	--	1	--	--	--
SB12	1	1	--	2	--
SB13	1	--	1	--	--
SB14	2	--	1	--	--
	12	4	8	7	1

3

3

		CONDUIT			
		652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	652.0605* CONDUIT SPECIAL 2-INCH	652.0615* CONDUIT SPECIAL 3-INCH
FROM	TO	L.F.	L.F.	L.F.	L.F.
CB1	PB1	--	30	--	--
PB1	PB2	--	--	210	--
PB1	PB3	--	--	--	120
PB3	SB1	--	20	--	--
PB3	PB4	--	160	--	--
PB4	SB2	30	--	--	--
PB4	PB5	--	--	170	--
PB5	PB6	130	--	--	--
PB4	PB7	--	--	--	80
PB7	SB3	20	--	--	--
PB7	PB8	--	--	--	30
PB8	SB4	--	5	--	--
PB8	PB9	--	--	--	90
PB9	SB5	--	5	--	--
PB9	PB10	--	70	--	--
PB10	SB6	10	--	--	--
PB10	PB11	15	--	--	--
PB11	PB12	225	--	--	--
PB10	PB13	--	--	--	80
PB13	SB7	5	--	--	--
PB13	PB14	--	--	--	60
PB14	SB8	--	5	--	--
PB14	SB9	15	--	--	--
PB14	PB15	--	130	--	--
PB15	SB10	25	--	--	--
PB15	PB16	--	--	175	--
PB16	PB17	--	--	130	--
PB15	PB18	--	--	--	80
PB18	SB11	25	--	--	--
PB18	PB19	--	--	--	30
PB19	SB12	--	10	--	--
PB19	PB20	--	--	--	80
PB20	SB13	--	25	--	--
PB20	PB21	--	140	--	--
PB21	SB14	15	--	--	--
PB21	CB1	--	15	--	--
	TOTAL	515	615	685	650

* QUANTITY SHOWN ELSEWHERE ON PLAN

			CONCRETE BASES				
			654.0101* CONCRETE BASES TYPE 1	654.0102* CONCRETE BASES TYPE 2	654.0110* CONCRETE BASES TYPE 10	654.0120* CONCRETE BASES TYPE 10 SPECIAL	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
SIGNAL BASE NO.	LOCATION STA	OFFSET	EACH	EACH	EACH	EACH	EACH
CB1	153+36.4	94.3 RT	--	--	--	--	1
SB1	152+78.1	73.4 RT	--	--	1	--	--
SB2	152+57.2	52.5 RT	1	--	--	--	--
SB3	152+49.6	8.8 RT	1	--	--	--	--
SB4	152+34.9	9.3 LT	--	--	1	--	--
SB5	152+32.8	53.4 LT	--	--	--	1	--
SB6	152+48.0	63.8 LT	1	--	--	--	--
SB7	152+94.2	75.8 LT	--	1	--	--	--
SB8	153+29.0	79.7 LT	--	--	1	--	--
SB9	153+34.5	61.6 LT	1	--	--	--	--
SB10	153+51.2	52.7 LT	1	--	--	--	--
SB11	153+51.0	9.3 LT	1	--	--	--	--
SB12	153+63.0	8.8 RT	--	--	1	--	--
SB13	153+54.0	52.3 RT	--	--	--	1	--
SB14	153+36.2	73.9 RT	1	--	--	--	--
TOTAL		TOTAL	7	1	4	2	1

* QUANTITY SHOWN ELSEWHERE ON PLAN

PULL BOXES

PULL BOX NO.	LOCATION STA	LOCATION OFFSET	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH
PB1	75+11.0	50.4 LT	--	1
PB2	77+19.4	50.8 LT	--	1
PB3	152+79.0	92.2 RT	--	1
PB4	152+29.4	50.8 RT	--	1
PB5	150+58.9	50.3 RT	--	1
PB6	149+26.8	50.3 RT	1	--
PB7	152+30.0	9.1 RT	--	1
PB8	152+28.6	9.2 RT	--	1
PB9	152+27.9	52.6 LT	--	1
PB10	152+53.0	74.9 LT	--	1
PB11	152+52.6	86.4 LT	1	--
PB12	70+85.3	25.3 RT	1	--
PB13	152+94.2	75.8 LT	--	1
PB14	153+25.4	75.6 LT	--	1
PB15	153+75.8	51.9 LT	--	1
PB16	155+48.3	50.2 LT	--	1
PB17	156+79.1	50.5 LT	--	1
PB18	153+75.0	8.3 RT	--	1
PB19	153+75.0	8.3 RT	--	1
PB20	153+76.6	50.6 RT	--	1
PB21	153+36.1	88.6 RT	--	1
TOTAL		TOTAL	3	18

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	LOCATION** OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
11	PB7	152+21.4	0.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	74	215	233
12	PB7	152+29.4	0.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	215	208
21	PB17	156+79.7	29.8 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	64	500	336
22	PB17	156+79.7	18.8 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	86	500	452
23	PB16	155+48.9	29.9 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	58	370	305
24	PB16	155+48.8	18.9 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	80	370	420
41	PB12	70+85.5	11.4 RT	6 X 15	5	ASPHALT	9F15-4B OPTION 2	54	545	284
42	PB11	152+63.3	90.7 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	320	221
43	PB11	152+64.5	62.7 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	320	221
44	PB11	152+74.8	91.2 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	92	320	290
45	PB11	152+75.9	63.2 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	92	320	290
51	PB19	153+80.6	0.2 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	140	214
52	PB19	153+52.6	CL	6 X 20	3	ASPHALT	9F15-4B OPTION 2	64	140	202
61	PB6	149+26.8	40.1 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	42	475	221
62	PB6	149+27.9	29.0 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	64	475	336
63	PB6	149+27.9	18.0 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	86	475	452
64	PB5	150+58.6	40.1 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	38	345	200
65	PB5	150+58.6	29.1 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	60	345	315
66	PB5	150+58.6	18.1 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	82	345	431
71	PB13	152+85.7	92.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	86	290	271
72	PB13	152+86.8	64.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	290	227
81	PB2	77+18.2	34.2 LT	6 X 18	3	ASPHALT	9F15-4B OPTION 2	64	245	202
82	PB1	75+02.5	39.9 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	74	35	233
83	PB1	153+25.1	73.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	88	35	277
84	PB1	75+02.3	27.9 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	104	35	328
85	PB1	153+13.1	73.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	112	35	353
							TOTAL	1706	6770	6739

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270* CABLE TRAFFIC SIGNAL 15-14 AWG L.F.
CB1	SB1	--	--	150
CB1	SB2	--	--	255
CB1	SB3	310	--	--
CB1	SB4	--	315	--
CB1	SB5	--	375	--
CB1	SB6	--	415	--
CB1	SB7	--	390	--
CB1	SB8	--	345	--
CB1	SB9	355	--	--
CB1	SB10	--	--	285
CB1	SB11	230	--	--
CB1	SB12	--	185	--
CB1	SB13	--	145	--
CB1	SB14	--	--	65
	TOTAL	895	2170	755

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED L.F.	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB1	150	--
SB1	LUMINAIRE 1	--	145
SB1	SB4	265	--
SB4	LUMINAIRE 1	--	145
SB4	LUMINAIRE 2	--	145
CB1	SB12	185	--
SB12	LUMINAIRE 1	--	145
SB12	LUMINAIRE 2	--	145
SB12	SB7	270	--
SB7	LUMINAIRE 1	--	120
SB7	LUMINAIRE 2	--	120
	TOTAL	870	965

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	140
SB1	SB2	180
SB2	SB3	140
SB3	SB4	90
SB4	SB5	105
SB5	SB6	100
SB6	SB7	105
SB7	SB8	90
SB8	SB9	70
SB9	SB10	155
SB10	SB11	140
SB11	SB12	100
SB12	SB13	125
SB13	SB14	160
SB14	CB1	70
CB1	PB1	35
SB1	PB3	45
SB2	PB4	55
SB3	PB7	45
SB4	PB8	30
SB5	PB9	30
SB6	PB10	35
SB7	PB13	30
SB9	PB14	40
SB10	PB15	50
SB11	PB18	50
SB12	PB19	35
SB13	PB20	50
CB1	PB21	30
	TOTAL	2330

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	15	40	--
SB1	16	20	--
SB1	19	--	45
SB1	24	20	--
SB2	1	20	--
SB2	12	--	20
SB2	25	20	--
SB4	4	--	20
SB4	13	--	40
SB5	8	60	--
SB5	9	45	--
SB5	10	30	--
SB5	26	20	--
SB6	14	20	--
SB6	27	20	--
SB7	17	--	20
SB8	21	45	--
SB8	22	20	--
SB9	28	20	--
SB10	5	--	20
SB10	7	20	--
SB10	29	20	--
SB12	6	--	40
SB12	11	--	20
SB13	2	60	--
SB13	3	45	--
SB13	30	20	--
SB14	18	--	20
SB14	20	20	--
SB14	23	20	--
	TOTAL	605	245

* QUANTITY SHOWN ELSEWHERE ON PLAN

	POLES																
SIGNAL BASE NO.	657.0100* PEDESTAL BASES EACH	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310* POLES TYPE 3 EACH	657.0405* TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	657.0420* TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425* TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0430* TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0609* LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	SPV.0060.04* INSTALL TYPE 9 POLE EACH	SPV.0060.05* INSTALL TYPE 9 SPECIAL POLE EACH	SPV.0060.06* INSTALL TYPE 10 POLE EACH	SPV.0060.08* INSTALL MONOTUBE ARMS 15-FT EACH	SPV.0060.10* INSTALL MONOTUBE ARMS 25-FT EACH	SPV.0060.12* INSTALL MONOTUBE ARMS 35-FT SPECIAL EACH	SPV.0060.15* INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	658.0500* PEDESTRIAN PUSH BUTTONS EACH	659.1125* LUMINAIRES UTILITY LED C EACH
SB1	--	--	--	--	--	--	--	--	--	--	1	--	1	--	1	1	1
SB2	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	1	--
SB3	1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--
SB4	--	--	--	--	--	--	--	--	--	--	1	1	--	--	2	--	2
SB5	--	--	--	--	--	--	--	--	--	1	--	--	--	1	--	1	--
SB6	1	--	--	--	1	--	--	--	--	--	--	--	--	--	--	1	--
SB7	--	1	1	--	--	--	--	2	--	--	--	--	--	--	--	--	2
SB8	--	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--
SB9	1	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--
SB10	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	1	--
SB11	1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--
SB12	--	--	--	--	--	--	--	--	--	--	1	1	--	--	2	--	2
SB13	--	--	--	--	--	--	--	--	--	1	--	--	--	1	--	1	--
SB14	1	--	--	--	--	1	--	--	--	--	--	--	--	--	--	1	--
TOTAL	7	1	1	2	1	3	1	2	1	2	3	2	2	2	5	10	7

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

FACES

SIGNAL BASE NO.	SIGNAL HEAD NO.	658.0173* TRAFFIC SIGNAL FACE 3S-12 INCH EACH	658.0174* TRAFFIC SIGNAL FACE 4S-12 INCH EACH	658.0416* PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	15	1	--	--
SB1	16	1	--	--
SB1	19	--	1	--
SB1	24	--	--	1
SB2	1	1	--	--
SB2	12	--	1	--
SB2	25	--	--	1
SB4	4	--	1	--
SB4	13	--	1	--
SB5	8	1	--	--
SB5	9	1	--	--
SB5	10	1	--	--
SB5	26	--	--	1
SB6	14	1	--	--
SB6	27	--	--	1
SB7	17	--	1	--
SB8	21	1	--	--
SB8	22	1	--	--
SB9	28	--	--	1
SB10	5	--	1	--
SB10	7	1	--	--
SB10	29	--	--	1
SB12	6	--	1	--
SB12	11	--	1	--
SB13	2	1	--	--
SB13	3	1	--	--
SB13	30	--	--	1
SB14	18	--	1	--
SB14	20	1	--	--
SB14	23	--	--	1
	TOTAL	13	9	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.06 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 181 AT CALUMET RD	1
TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.06 SIGNAL MOUNTING HARDWARE EACH
STH 181 AT CALUMET RD	1
TOTAL	1

TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.21 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET EACH
STH 181 AT CALUMET RD	1
TOTAL	1

TRANPORTING MATERIALS

LOCATION	SPV.0060.32 TRANSPORT TRAFFIC SIGNAL AND LIGHTING MATERIALS EACH
STH 181 AT CALUMET RD	1
TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY - FOR INFORMATION ONLY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER AND CABINET
2	POLES TYPE 9 SPECIAL
4	POLES TYPE 10
2	MONOTUBE ARMS 15-FT
2	MONOTUBE ARMS 30-FT
2	MONOTUBE ARMS 35-FT SPECIAL
8	LUMINAIRE ARMS STEEL 15-FT

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	659.5000.S* LAMP, BALLAST, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, THREE SECTION	10
TRAFFIC SIGNAL, FIVE SECTION	8
TRAFFIC SIGNAL, PEDESTRIAN	8
LED LAMP	8
MERCURY SWITCHES	1
TOTAL	35

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
CB1	1
TOTAL	15

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
PB19	1
PB20	1
PB21	1
PB22	1
PB23	1
TOTAL	23

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING TRAFFIC SIGNALS

LOCATION	204.9060.S.07 REMOVING TRAFFIC SIGNALS EACH
STH 181 AT BRADLEY RD	1
TOTAL	1

REMOVING WIRE

LOCATION	204.9060.S.18 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 181 AT BRADLEY RD	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.07 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
STH 181 AT BRADLEY RD	1
TOTAL	1

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

LOCATION	TRAFFIC SIGNAL THREE SECTION EACH	TRAFFIC SIGNAL FIVE SECTION EACH	TRAFFIC SIGNAL PEDESTRIAN EACH	LED LAMP EACH	MERCURY SWITCHES EACH
CB1	--	--	--	--	1
SB1	1	--	1	--	--
SB2	--	1	--	--	--
SB3	1	1	--	2	--
SB4	1	--	1	--	--
SB5	1	--	1	--	--
SB6	--	2	--	2	--
SB7	1	--	1	--	--
SB8	1	--	1	--	--
SB9	--	1	--	2	--
SB10	1	1	--	--	--
SB11	1	--	1	--	--
SB12	1	--	1	--	--
SB13	--	2	--	2	--
SB14	1	--	1	--	--
	10	8	8	8	1

PLOT DATE : 4/16/2025 4:11:18 PM PLOT BY : JGF

3

3

		CONDUIT			
		652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	652.0605* CONDUIT SPECIAL 2-INCH	652.0615* CONDUIT SPECIAL 3-INCH
FROM	TO	L.F.	L.F.	L.F.	L.F.
CB1	PB1	--	90	--	--
PB1	SB1	5	--	--	--
PB1	PB2	--	--	195	--
PB2	PB3	130	--	--	--
PB1	PB4	--	--	--	90
PB4	SB2	20	--	--	--
PB4	PB5	--	--	--	30
PB5	SB3	--	10	--	--
PB5	PB6	--	--	--	80
PB6	SB4	--	20	--	--
PB6	PB7	--	110	--	--
PB7	SB5	10	--	--	--
PB7	PB8	15	--	--	--
PB8	PB9	--	--	200	--
PB7	PB11	--	--	--	100
PB11	PB10	15	--	--	--
PB11	SB6	--	15	--	--
PB11	PB12	--	--	--	90
PB12	SB7	15	--	--	--
PB12	PB13	--	100	--	--
PB13	SB8	10	--	--	--
PB13	PB14	--	--	190	--
PB14	PB15	--	--	130	--
PB13	PB16	--	--	--	90
PB16	SB9	10	--	--	--
PB16	PB18	--	--	--	30
PB18	PB17	20	--	--	--
PB18	SB10	--	5	--	--
PB18	PB19	--	--	--	80
PB19	SB11	--	10	--	--
PB19	PB20	--	70	--	--
PB20	SB12	5	--	--	--
PB20	PB21	20	--	--	--
PB21	PB22	--	--	225	--
PB20	PB24	--	--	--	100
PB24	PB23	10	--	--	--
PB24	SB13	--	10	--	--
PB24	PB25	--	--	--	90
PB25	CB1	--	15	--	--
	TOTAL	285	455	940	780

* QUANTITY SHOWN ELSEWHERE ON PLAN

			CONCRETE BASES			
			654.0101* CONCRETE BASES TYPE 1	654.0110* CONCRETE BASES TYPE 10	654.0120* CONCRETE BASES TYPE 10 SPECIAL	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
SIGNAL BASE NO.	LOCATION STA	OFFSET	EACH	EACH	EACH	EACH
CB1	179+89.9	78.0 LT	--	--	--	1
SB1	180+00.8	51.7 LT	1	--	--	--
SB2	179+98.0	9.0 LT	1	--	--	--
SB3	180+07.1	8.5 RT	--	1	--	--
SB4	180+00.4	51.3 RT	--	--	1	--
SB5	179+86.9	67.7 RT	1	--	--	--
SB6	179+38.0	65.7 RT	--	1	--	--
SB7	178+93.9	67.4 RT	1	--	--	--
SB8	178+79.0	52.2 RT	1	--	--	--
SB9	178+78.0	8.9 RT	1	--	--	--
SB10	178+73.2	8.9 LT	--	1	--	--
SB11	178+77.9	53.6 LT	--	--	1	--
SB12	178+90.4	68.9 LT	1	--	--	--
SB13	179+42.6	69.3	--	1	--	--
SB14	179+87.5	70.7 LT	1	--	--	--
TOTAL		TOTAL	8	4	2	1

* QUANTITY SHOWN ELSEWHERE ON PLAN

PLOT DATE : 4/16/2025 4:11:18 PM PLOT BY : JGF

PULL BOXES

PULL BOX NO.	LOCATION STA	LOCATION OFFSET	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH
PB1	180+05.2	51.5 LT	--	1
PB2	181+98.5	50.7 LT	--	1
PB3	183+29.3	50.7 LT	1	--
PB4	180+20.0	9.2 LT	--	1
PB5	180+20.0	9.1 RT	--	1
PB6	180+20.6	50.9 RT	--	1
PB7	179+86.2	80.8 RT	--	1
PB8	179+86.3	96.2 RT	--	1
PB9	97+16.3	39.6 LT	--	1
PB10	179+40.3	96.7 RT	1	--
PB11	179+37.7	81.1 RT	--	1
PB12	178+95.2	82.3 RT	--	1
PB13	178+68.1	51.7 RT	--	1
PB14	176+81.0	51.1 RT	--	1
PB15	175+50.3	50.8 RT	--	1
PB16	178+69.2	8.9 RT	--	1
PB17	178+55.2	9.0 LT	1	--
PB18	178+69.4	8.7 LT	--	1
PB19	178+69.8	50.5 LT	--	1
PB20	178+88.7	70.4 LT	--	1
PB21	178+91.4	93.0 LT	--	1
PB22	90+78.5	47.0 RT	--	1
PB23	179+38.8	92.8 LT	1	--
PB24	179+41.0	80.9 LT	--	1
PB25	179+85.5	73.0 LT	--	1
TOTAL		TOTAL	4	21

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	LOCATION** OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
11	PB17	178+49.7	0.1 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	205	214
12	PB17	178+77.7	0.1 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	205	208
21	PB3	183+29.6	29.3 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	60	370	315
22	PB3	183+29.6	18.3 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	84	370	441
23	PB2	181+98.8	29.3 LT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	60	239	252
24	PB2	181+98.8	18.3 LT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	82	239	344
31	PB10	179+49.1	96.0 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	276	208
32	PB10	179+49.2	68.0 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	74	276	233
41	PB22	90+77.1	32.4 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	48	366	252
42	PB22	90+76.9	21.4 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	70	366	368
43	PB21	179+05.2	97.3 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	76	140	239
44	PB21	179+06.2	69.3 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	76	140	239
45	PB21	179+16.2	97.7 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	96	140	302
46	PB21	179+17.2	69.7 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	96	140	302
51	PB5	180+26.7	CL	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	109	221
52	PB5	179+98.6	CL	6 X 20	3	ASPHALT	9F15-4B OPTION 2	64	109	202
61	PB15	175+50.3	29.6 RT	6 X 12	5	ASPHALT	9F15-4B OPTION 2	72	569	378
62	PB15	175+50.3	18.6 RT	6 X 12	5	ASPHALT	9F15-4B OPTION 2	94	569	494
63	PB14	176+81.0	29.5 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	66	438	347
64	PB14	176+81.0	18.5 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	88	438	462
71	PB23	179+28.8	98.5 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	77	221
72	PB23	179+29.9	70.5 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	77	208
81	PB9	97+16.4	27.8 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	46	447	242
82	PB9	97+16.2	17.9 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	66	447	347
83	PB8	179+71.0	96.3 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	76	226	239
84	PB8	179+70.9	68.3 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	82	226	258
85	PB8	179+59.5	96.1 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	100	226	315
86	PB8	179+59.5	68.1 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	102	226	321
							TOTAL	1890	6876	7434

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270* CABLE TRAFFIC SIGNAL 15-14 AWG L.F.
CB1	SB1	--	--	80
CB1	SB2	155	--	--
CB1	SB3	--	175	--
CB1	SB4	--	240	--
CB1	SB5	--	--	300
CB1	SB6	--	--	370
CB1	SB7	430	--	--
CB1	SB8	--	--	380
CB1	SB9	320	--	--
CB1	SB10	--	285	--
CB1	SB11	--	235	--
CB1	SB12	--	--	180
CB1	SB13	--	--	120
CB1	SB14	--	55	--
	TOTAL	905	990	1430

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED L.F.	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB3	175	--
SB3	LUMINAIRE 1	--	145
SB3	LUMINAIRE 2	--	145
SB3	SB6	260	--
SB6	LUMINAIRE 1	--	145
SB6	LUMINAIRE 2	--	145
CB1	SB13	120	--
SB13	LUMINAIRE 1	--	145
SB13	LUMINAIRE 2	--	145
SB13	SB10	165	--
SB10	LUMINAIRE 1	--	145
SB10	LUMINAIRE 2	--	145
SB10	TOTAL	720	1160

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	85
SB1	SB2	120
SB2	SB3	95
SB3	SB4	120
SB4	SB5	135
SB5	SB6	125
SB6	SB7	125
SB7	SB8	125
SB8	SB9	115
SB9	SB10	95
SB10	SB11	120
SB11	SB12	100
SB12	SB13	115
SB13	SB14	110
SB14	CB1	55
SB1	PB1	55
SB2	PB4	45
SB3	PB5	35
SB4	PB6	45
SB5	PB7	35
SB6	PB11	40
SB7	PB12	40
SB8	PB13	35
SB9	PB16	35
SB10	PB18	30
SB11	PB19	35
SB12	PB20	35
SB13	PB24	35
CB1	PB25	30
	TOTAL	2170

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	5	--	20
SB1	7	20	--
SB1	25	20	--
SB3	6	--	40
SB3	10	--	20
SB4	2	60	--
SB4	3	45	--
SB4	26	20	--
SB5	17	--	20
SB5	19	20	--
SB5	27	20	--
SB6	14	40	--
SB6	15	55	--
SB6	18	--	20
SB6	22	--	20
SB7	28	20	--
SB8	1	20	--
SB8	11	--	20
SB8	29	20	--
SB10	4	--	20
SB10	12	--	40
SB11	8	55	--
SB11	9	40	--
SB11	30	20	--
SB12	13	20	--
SB12	23	--	20
SB12	31	20	--
SB13	16	-	20
SB13	24	--	20
SB13	20	40	--
SB13	21	55	--
SB14	32	20	--
	TOTAL	630	280

* QUANTITY SHOWN ELSEWHERE ON PLAN

PLOT DATE : 4/16/2025 4:11:18 PM PLOT BY : JGF

	POLES											
	657.0100*	657.0405*	657.0425*	657.0430*	SPV.0060.05*	SPV.0060.06*	SPV.0060.08*	SPV.0060.11*	SPV.0060.12*	SPV.0060.15*	658.0500*	659.1125*
SIGNAL BASE NO.	PEDESTAL BASES EACH	TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	INSTALL TYPE 9 SPECIAL POLE EACH	INSTALL TYPE 10 POLE EACH	INSTALL MONOTUBE ARMS 15-FT EACH	INSTALL MONOTUBE ARMS 30-FT EACH	INSTALL MONOTUBE ARMS 35-FT SPECIAL EACH	INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	PEDESTRIAN PUSH BUTTONS EACH	LUMINAIRES UTILITY LED C EACH
SB1	1	--	1	--	--	--	--	--	--	--	1	--
SB2	1	1	--	--	--	--	--	--	--	--	1	--
SB3	--	--	--	--	--	1	1	--	--	2	--	2
SB4	--	--	--	--	1	--	--	--	1	--	1	--
SB5	1	--	1	--	--	--	--	--	--	--	1	--
SB6	--	--	--	--	--	1	--	1	--	2	1	2
SB7	1	--	--	1	--	--	--	--	--	--	1	--
SB8	1	--	1	--	--	--	--	--	--	--	1	--
SB9	1	1	--	--	--	--	--	--	--	--	1	--
SB10	--	--	--	--	--	1	1	--	--	2	--	2
SB11	--	--	--	--	1	--	--	--	1	--	1	--
SB12	1	--	1	--	--	--	--	--	--	--	1	--
SB13	--	--	--	--	--	1	--	1	--	2	1	2
SB14	1	--	--	1	--	--	--	--	--	--	1	--
TOTAL	8	2	4	2	2	4	2	2	2	8	12	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

		FACES		
		658.0173*	658.0174*	658.0416*
SIGNAL BASE NO.	SIGNAL HEAD NO.	TRAFFIC SIGNAL FACE 3S-12 INCH EACH	TRAFFIC SIGNAL FACE 4S-12 INCH EACH	PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	5	--	1	--
SB1	7	1	--	--
SB1	25	--	--	1
SB3	6	--	1	--
SB3	10	--	1	--
SB4	2	1	--	--
SB4	3	1	--	--
SB4	26	--	--	1
SB5	17	--	1	--
SB5	19	1	--	--
SB5	27	--	--	1
SB6	14	1	--	--
SB6	15	1	--	--
SB6	18	--	1	--
SB6	22	--	1	--
SB7	28	--	--	1
SB8	1	1	--	--
SB8	11	--	1	--
SB8	29	--	--	1
SB10	4	--	1	--
SB10	12	--	1	--
SB11	8	1	-	-
SB11	9	1	--	--
SB11	30	--	--	1
SB12	13	1	--	--
SB12	23	--	1	--
SB12	31	--	--	1
SB13	16	--	1	--
SB13	24	--	1	--
SB13	20	1	--	--
SB13	21	1	--	--
SB14	32	--	--	1
	TOTAL	12	12	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.22 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET EACH
STH 181 AT BRADLEY RD	1
TOTAL	1

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.07 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 181 AT BRADLEY RD	1
TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.07 SIGNAL MOUNTING HARDWARE EACH
STH 181 AT BRADLEY RD	1
TOTAL	1

TRANPORTING MATERIALS

LOCATION	SPV.0060.33 TRANSPORT TRAFFIC SIGNAL AND INTERSECTION LIGHTING MATERIALS EACH
STH 181 AT BRADLEY RD	1
TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY - FOR INFORMATION ONLY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER AND CABINET
4	POLES TYPE 10
4	MONOTUBE ARMS 30-FT
6	LUMINAIRE ARMS STEEL 15-FT

REMOVING TRAFFIC SIGNALS

LOCATION	204.9060.S.08 REMOVING TRAFFIC SIGNALS EACH
STH 181 AT TOWER AVE	1
TOTAL	1

REMOVING WIRE

LOCATION	204.9060.S.19 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 181 AT TOWER AVE	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.08 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
STH 181 AT TOWER AVE	1
TOTAL	1

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	659.5000.S* LAMP, BALLAST, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, THREE SECTION	12
TRAFFIC SIGNAL, FIVE SECTION	2
TRAFFIC SIGNAL, PEDESTRIAN	8
LED LAMP	6
MERCURY SWITCHES	1
TOTAL	29

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
CB1	1
TOTAL	12

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
TOTAL	14

* QUANTITY SHOWN ELSEWHERE ON PLAN

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

LOCATION	TRAFFIC SIGNAL THREE SECTION EACH	TRAFFIC SIGNAL FIVE SECTION EACH	TRAFFIC SIGNAL PEDESTRIAN EACH	LED LAMP EACH	MERCURY SWITCHES EACH
CB1	--	--	--	--	1
SB1	1	--	1	--	--
SB2	--	1	--	--	--
SB3	1	--	--	2	--
SB4	1	--	1	--	--
SB5	2	--	1	--	--
SB6	1	--	1	1	--
SB7	1	--	1	--	--
SB8	1	1	--	2	--
SB9	1	--	1	--	--
SB10	2	--	1	--	--
SB11	1	--	1	1	--
	12	2	8	6	1

3

		CONDUIT			
		652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	652.0605* CONDUIT SPECIAL 2-INCH	652.0615* CONDUIT SPECIAL 3-INCH
FROM	TO	L.F.	L.F.	L.F.	L.F.
CB1	PB1	--	30	--	--
PB1	SB1	10	--	--	--
PB1	PB2	10	--	--	--
PB2	PB3	150	--	--	--
PB1	PB4	--	--	--	100
PB4	SB2	--	10	--	--
PB4	PB5	--	110	--	--
PB5	SB3	35	--	--	--
PB5	PB6	165	--	--	--
PB6	PB7	130	--	--	--
PB5	PB8	--	--	--	80
PB8	SB4	35	--	--	--
PB8	PB9	--	--	--	30
PB9	SB5	--	10	--	--
PB9	PB10	--	--	--	80
PB10	PB11	--	100	--	--
PB11	SB6	20	--	--	--
PB11	SB7	10	--	--	--
PB11	PB12	--	--	--	200
PB12	SB8	--	50	--	--
PB12	SB9	35	--	--	--
PB12	PB13	165	--	--	--
PB13	PB14	--	--	130	--
PB12	PB16	--	--	--	100
PB16	PB15	5	--	--	--
PB16	SB10	--	30	--	--
PB16	PB17	--	--	--	90
PB17	SB11	35	--	--	--
PB17	CB1	--	120	--	--
	TOTAL	805	460	130	680

* QUANTITY SHOWN ELSEWHERE ON PLAN

			CONCRETE BASES		
			654.0101* CONCRETE BASES TYPE 1	654.0110* CONCRETE BASES TYPE 10	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
SIGNAL BASE NO.	LOCATION STA	OFFSET	EACH	EACH	EACH
CB1	185+94.7	63.9 LT	--	--	1
SB1	186+01.6	61.3 LT	1	--	--
SB2	186+65.9	61.3 LT	--	1	--
SB3	186+77.7	52.5 LT	1	--	--
SB4	186+75.4	9.2 LT	1	--	--
SB5	187+02.6	8.3 RT	--	1	--
SB6	186+75.9	52.4 RT	1	--	--
SB7	186+54.1	61.8 RT	1	--	--
SB8	186+03.6	51.7 RT	--	1	--
SB9	185+90.6	52.6 RT	1	--	--
SB10	185+84.7	5.0 LT	--	1	--
SB11	185+89.1	52.6 LT	1	--	--
TOTAL		TOTAL	7	4	1

* QUANTITY SHOWN ELSEWHERE ON PLAN

PULL BOXES

PULL BOX NO.	LOCATION STA	LOCATION OFFSET	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH
PB1	186+08.8	72.1 LT	--	1
PB2	186+08.8	81.6 LT	1	--
PB3	103+60.0	24.6 RT	1	--
PB4	186+60.1	70.2 LT	--	1
PB5	187+11.3	50.4 LT	--	1
PB6	188+75.7	51.3 LT	1	--
PB7	190+06.8	51.4 LT	1	--
PB8	187+11.0	9.8 LT	--	1
PB9	187+09.9	8.6 RT	--	1
PB10	187+09.0	51.0 RT	--	1
PB11	186+58.0	50.7 RT	--	1
PB12	185+55.0	51.1 RT	--	1
PB13	184+11.8	51.1 RT	--	1
PB14	182+52.8	51.0 RT	--	1
PB15	185+63.3	3.6 LT	1	--
PB16	185+56.0	2.5 LT	--	1
PB17	185+55.8	50.3 LT	--	1
TOTAL		TOTAL	5	12

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	LOCATION** OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
11	PB15	185+61.9	7.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	115	214
12	PB15	185+89.9	6.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	115	227
21	PB7	190+06.4	29.5 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	62	470	326
22	PB7	190+06.4	18.5 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	84	470	441
23	PB6	188+75.6	29.6 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	62	340	326
24	PB6	188+75.7	18.6 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	84	340	441
41	PB3	103+59.5	13.9 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	40	195	168
42	PB3	103+59.5	2.9 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	62	195	260
43	PB2	186+18.3	87.9 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	45	221
44	PB2	186+18.8	60.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	45	208
45	PB2	186+29.8	88.1 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	90	45	284
46	PB2	186+30.3	60.1 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	88	45	277
51	PB9	187+13.5	0.2 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	195	208
52	PB9	186+85.5	0.2 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	195	208
61	PB14	182+61.8	29.4 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	66	455	347
62	PB14	182+61.8	18.4 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	88	455	462
63	PB13	183+92.6	29.2 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	64	325	336
64	PB13	183+92.6	18.2 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	86	325	452
81	PB11	186+42.8	52.0 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	78	330	246
82	PB11	186+33.8	51.9 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	96	330	302
							TOTAL	1256	4330	5185

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270* CABLE TRAFFIC SIGNAL 15-14 AWG L.F.
CB1	SB1	--	65	--
CB1	SB2	--	130	--
CB1	SB3	--	--	225
CB1	SB4	--	280	--
CB1	SB5	--	285	--
CB1	SB6	415	--	--
CB1	SB7	--	405	--
CB1	SB8	--	--	260
CB1	SB9	--	245	--
CB1	SB10	--	--	175
CB1	SB11	120	--	--
	TOTAL	535	1410	660

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED L.F.	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB2	130	--
SB2	LUMINAIRE 1	--	145
SB2	SB5	215	--
SB5	LUMINAIRE 1	--	145
SB5	LUMINAIRE 2	--	145
CB1	SB10	175	--
SB10	LUMINAIRE 1	--	145
SB10	LUMINAIRE 2	--	145
SB10	SB8	190	--
SB8	LUMINAIRE 1	--	145
	TOTAL	710	870

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	70
SB1	SB2	120
SB2	SB3	150
SB3	SB4	160
SB4	SB5	105
SB5	SB6	165
SB6	SB7	80
SB7	SB8	210
SB8	SB9	135
SB9	SB10	165
SB10	SB11	160
SB11	CB1	125
SB1	PB1	35
SB2	PB4	35
SB3	PB5	60
SB4	PB8	60
SB5	PB9	30
SB6	PB10	95
SB7	PB11	35
SB8	PB12	75
SB9	PB16	55
CB1	PB17	65
	TOTAL	2190

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	13	20	--
SB1	17	20	--
SB1	19	20	--
SB2	18	35	--
SB2	20	20	--
SB3	5	--	20
SB3	7	20	--
SB3	21	20	--
SB4	6	--	20
SB5	2	40	--
SB5	3	55	--
SB5	10	--	20
SB6	22	20	--
SB7	16	20	--
SB7	23	20	--
SB8	14	55	--
SB8	15	20	--
SB8	11	--	20
SB8	24	20	--
SB9	1	20	--
SB9	25	20	--
SB10	8	40	--
SB10	9	55	--
SB10	12	--	20
SB10	4	--	20
SB11	26	20	--
	TOTAL	560	120

* QUANTITY SHOWN ELSEWHERE ON PLAN

PLOT DATE : 4/16/2025 4:47:20 PM PLOT BY : JGF

3

3

	POLES								
	657.0100*	657.0420*	657.0425*	657.0430*	SPV.0060.06*	SPV.0060.11*	SPV.0060.15*	658.0500*	659.1125*
		TRAFFIC SIGNAL STANDARDS ALUMINUM	TRAFFIC SIGNAL STANDARDS ALUMINUM	TRAFFIC SIGNAL STANDARDS ALUMINUM	INSTALL	INSTALL	INSTALL	PEDESTRIAN PUSH	LUMINAIRES UTILITY
SIGNAL BASE NO.	PEDESTAL BASES EACH	13-FT EACH	15-FT EACH	10-FT EACH	TYPE 10 POLE EACH	MONOTUBE ARMS 30-FT EACH	LUMINAIRE ARMS STEEL 15-FT EACH	BUTTONS EACH	LED C EACH
SB1	1	1	--	--	--	--	--	1	--
SB2	--	--	--	--	1	1	1	1	1
SB3	1	--	1	--	--	--	--	1	--
SB4	1	--	1	--	--	--	--	1	--
SB5	--	--	--	--	1	1	2	--	2
SB6	1	--	--	1	--	--	--	1	--
SB7	1	1	--	--	--	--	--	1	--
SB8	--	--	--	--	1	1	1	1	1
SB9	1	1	--	--	--	--	--	1	--
SB10	--	--	--	--	1	1	2	--	2
SB11	1	--	--	1	--	--	--	1	--
TOTAL	7	3	2	2	4	4	6	9	6

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

		FACES		
		658.0173*	658.0174*	658.0416*
SIGNAL BASE NO.	SIGNAL HEAD NO.	TRAFFIC SIGNAL FACE 3S-12 INCH EACH	TRAFFIC SIGNAL FACE 4S-12 INCH EACH	PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	13	1	--	--
SB1	17	1	--	--
SB1	19	--	--	1
SB2	18	1	--	--
SB2	20	--	--	1
SB3	5	--	1	--
SB3	7	1	--	--
SB3	21	--	--	1
SB4	6	--	1	--
SB5	2	1	--	--
SB5	3	1	--	--
SB5	10	--	1	--
SB6	22	--	--	1
SB7	16	1	--	--
SB7	23	--	--	1
SB8	14	1	--	--
SB8	15	1	--	--
SB8	11	--	1	--
SB8	24	--	--	1
SB9	1	1	--	--
SB9	25	--	--	1
SB10	8	1	--	--
SB10	9	1	--	--
SB10	12	--	1	--
SB10	4	--	1	--
SB11	26	--	--	1
	TOTAL	12	6	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.08 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 181 AT TOWER AVE	1
TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.08 SIGNAL MOUNTING HARDWARE EACH
STH 181 AT TOWER AVE	1
TOTAL	1

TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.23 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET EACH
STH 181 AT TOWER AVE	1
TOTAL	1

TRANPORTING MATERIALS

LOCATION	SPV.0060.34 TRANSPORT TRAFFIC SIGNAL AND LIGHTING MATERIALS EACH
STH 181 AT TOWER AVE	1
TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY - FOR INFORMATION ONLY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER AND CABINET
2	POLES TYPE 9
4	POLES TYPE 10
2	MONOTUBE ARMS 15-FT
4	MONOTUBE ARMS 30-FT
6	LUMINAIRE ARMS STEEL 15-FT

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	659.5000.S* LAMP, BALLAST, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, THREE SECTION	13
TRAFFIC SIGNAL, FIVE SECTION	2
TRAFFIC SIGNAL, PEDESTRIAN	8
LED LAMP	6
MERCURY SWITCHES	1
TOTAL	30

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
CB1	1
TOTAL	13

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
PB19	1
TOTAL	19

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING TRAFFIC SIGNALS

LOCATION	204.9060.S.09 REMOVING TRAFFIC SIGNALS EACH
STH 181 AT SERVITE/DEAN	1
TOTAL	1

REMOVING WIRE

LOCATION	204.9060.S.20 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 181 AT SERVITE/DEAN	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.09 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
STH 181 AT SERVITE/DEAN	1
TOTAL	1

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

LOCATION	TRAFFIC SIGNAL THREE SECTION EACH	TRAFFIC SIGNAL FIVE SECTION EACH	TRAFFIC SIGNAL PEDESTRIAN EACH	LED LAMP EACH	MERCURY SWITCHES EACH
CB1	--	--	--	--	1
SB1	1	--	1	--	--
SB2	2	--	1	--	--
SB3	1	--	1	1	--
SB4	1	--	1	--	--
SB5	1	--	--	2	--
SB6	1	1	--	--	--
SB7	1	--	1	--	--
SB8	2	--	1	--	--
SB9	1	--	1	1	--
SB10	1	--	1	--	--
SB11	--	1	--	2	--
SB12	1	--	--	--	--
	13	2	8	6	1

		CONDUIT		
		652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	652.0615* CONDUIT SPECIAL 3-INCH
FROM	TO	L.F.	L.F.	L.F.
CB1	PB1	--	15	--
PB1	SB1	10	--	--
PB1	PB2	15	--	--
PB2	PB3	150	--	--
PB1	PB4	--	--	110
PB4	SB2	--	10	--
PB4	PB5	--	130	--
PB5	SB3	35	--	--
PB5	PB6	160	--	--
PB6	PB7	130	--	--
PB5	PB8	--	--	80
PB8	SB4	--	35	--
PB8	PB9	--	--	30
PB9	SB5	--	10	--
PB9	PB10	--	--	80
PB10	SB6	35	--	--
PB10	PB11	--	150	--
PB11	SB7	10	--	--
PB11	PB12	10	--	--
PB12	PB13	155	--	--
PB11	PB14	--	--	110
PB14	SB8	--	5	--
PB14	PB15	--	110	--
PB15	PB16	180	--	--
PB16	PB17	150	--	--
PB15	SB9	35	--	--
PB15	PB18	--	--	90
PB18	SB10	--	35	--
PB18	PB19	--	--	30
PB19	SB11	--	10	--
PB19	PB20	--	--	90
PB20	SB12	35	--	--
PB20	CB1	--	180	--
	TOTAL	1110	690	620

* QUANTITY SHOWN ELSEWHERE ON PLAN

			CONCRETE BASES		
			654.0101* CONCRETE BASES TYPE 1	654.0110* CONCRETE BASES TYPE 10	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
SIGNAL BASE NO.	LOCATION STA	OFFSET	EACH	EACH	EACH
CB1	206+31.9	80.1 RT	--	--	1
SB1	206+29.1	65.3 RT	1	--	--
SB2	205+69.7	62.3 RT	--	1	--
SB3	205+52.5	52.4 RT	1	--	--
SB4	205+50.5	9.2 RT	--	1	--
SB5	205+29.1	8.9 LT	--	1	--
SB6	205+53.6	52.7 LT	1	--	--
SB7	205+65.8	61.0 LT	1	--	--
SB8	206+31.8	64.1 LT	--	1	--
SB9	206+44.2	55.3 LT	1	--	--
SB10	206+43.8	9.4 LT	--	1	--
SB11	206+68.4	8.9 RT	--	1	--
SB12	206+43.7	55.3 RT	1	--	--
TOTAL		TOTAL	6	6	1

* QUANTITY SHOWN ELSEWHERE ON PLAN

PULL BOXES

PULL BOX NO.	LOCATION STA	LOCATION OFFSET	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH
PB1	206+25.8	74.1 RT	--	1
PB2	206+26.1	90.2 RT	1	--
PB3	116+41.7	26.2 LT	1	--
PB4	205+70.8	75.2 RT	--	1
PB5	205+16.6	51.0 RT	--	1
PB6	203+54.7	51.3 RT	1	--
PB7	202+23.6	50.2 RT	1	--
PB8	205+17.0	9.0 RT	--	1
PB9	205+17.0	9.6 LT	--	1
PB10	205+16.3	50.4 LT	--	1
PB11	205+70.0	69.7 LT	--	1
PB12	205+70.5	80.6 LT	1	--
PB13	111+59.4	27.2 RT	1	--
PB14	206+26.6	68.2 LT	--	1
PB15	206+79.3	53.7 LT	--	1
PB16	208+67.3	52.9 LT	1	--
PB17	210+21.7	52.9 LT	1	--
PB18	206+77.0	9.2 LT	--	1
PB19	206+76.6	8.9 RT	--	1
PB20	206+78.1	54.2 RT	--	1
TOTAL		TOTAL	8	12

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	LOCATION** OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
11	PB9	205+18.2	0.2 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	205	208
12	PB9	205+46.2	CL	6 X 20	3	ASPHALT	9F15-4B OPTION 2	74	205	233
21	PB17	210+21.8	32.5 LT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	66	520	347
22	PB17	210+21.9	21.5 LT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	88	520	462
23	PB16	208+67.4	33.0 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	58	370	305
24	PB16	208+67.5	22.0 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	80	370	420
41	PB13	111+59.2	16.7 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	44	465	231
42	PB13	111+59.1	5.7 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	66	465	347
43	PB12	205+79.4	89.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	74	310	233
44	PB12	205+80.3	61.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	64	310	202
45	PB12	205+90.4	90.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	90	310	284
46	PB12	205+91.4	62.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	90	310	284
51	PB18	206+79.7	0.1 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	145	208
52	PB18	206+51.7	CL	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	145	214
61	PB7	202+23.7	29.7 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	64	440	336
62	PB7	202+23.7	18.7 RT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	86	440	452
63	PB6	203+54.7	28.9 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	62	310	326
64	PB6	203+54.7	19.3 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	82	310	431
81	PB3	116+41.8	16.9 LT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	36	195	151
82	PB3	116+41.7	6.9 LT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	56	195	235
83	PB2	206+14.3	93.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	45	227
84	PB2	206+14.2	65.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	45	227
85	PB2	206+3.8	93.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	92	45	290
86	PB2	206+3.6	65.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	92	45	290
							TOTAL	1502	5790	6151

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270* CABLE TRAFFIC SIGNAL 15-14 AWG L.F.
CB1	SB1	--	60	--
CB1	SB2	--	130	--
CB1	SB3	--	--	235
CB1	SB4	--	290	--
CB1	SB5	--	295	--
CB1	SB6	375	--	--
CB1	SB7	--	410	--
CB1	SB8	--	330	--
CB1	SB9	--	--	290
CB1	SB10	--	230	--
CB1	SB11	--	175	--
CB1	SB12	140	--	--
	TOTAL	515	1920	525

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED L.F.	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB2	130	--
SB2	LUMINAIRE 1	--	145
SB2	SB4	225	--
SB4	LUMINAIRE 1	--	145
SB4	LUMINAIRE 2	--	145
CB1	SB10	230	--
SB10	LUMINAIRE 1	--	145
SB10	LUMINAIRE 2	--	145
SB10	SB8	200	--
SB8	LUMINAIRE 1	--	145
SB10	TOTAL	785	870

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	30
SB1	SB2	125
SB2	SB3	160
SB3	SB4	160
SB4	SB5	110
SB5	SB6	135
SB6	SB7	170
SB7	SB8	120
SB8	SB9	145
SB9	SB10	165
SB10	SB11	110
SB11	SB12	140
SB12	CB1	145
CB1	PB1	30
SB2	PB4	35
SB3	PB5	60
SB4	PB8	60
SB5	PB9	35
SB6	PB10	60
SB7	PB11	35
SB8	PB14	30
SB9	PB15	60
SB10	PB18	60
SB11	PB19	35
SB12	PB20	60
	TOTAL	2275

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	16	20	--
SB1	19	20	--
SB2	14	45	--
SB2	15	20	--
SB2	20	20	--
SB3	1	20	--
SB3	11	--	20
SB3	21	20	--
SB4	12	--	35
SB5	4	--	20
SB5	8	45	--
SB5	9	30	--
SB6	22	20	--
SB7	13	20	--
SB7	23	20	--
SB8	17	45	--
SB8	18	30	--
SB8	24	20	--
SB9	5	--	20
SB9	7	20	--
SB9	25	20	--
SB10	6	--	35
SB11	2	30	--
SB11	3	45	--
SB11	10	--	20
SB12	26	20	--
	TOTAL	530	150

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

	POLES											
	657.0100*	657.0420*	657.0425*	657.0430*	SPV.0060.04*	SPV.0060.06*	SPV.0060.08*	SPV.0060.11*	SPV.0060.15*	658.0500*	659.1125*
		TRAFFIC SIGNAL	TRAFFIC SIGNAL	TRAFFIC SIGNAL							
		STANDARDS	STANDARDS	STANDARDS	INSTALL	INSTALL	INSTALL	INSTALL	INSTALL	PEDESTRIAN	LUMINAIRES
	PEDESTAL	ALUMINUM	ALUMINUM	ALUMINUM	TYPE 9	TYPE 10	MONOTUBE ARMS	MONOTUBE ARMS	LUMINAIRE ARMS	PUSH	UTILITY
SIGNAL	BASES	13-FT	15-FT	10-FT	POLE	POLE	15-FT	30-FT	STEEL 15-FT	BUTTONS	LED C
BASE NO.	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
SB1	1	1	--	--	--	--	--	--	--	1	--
SB2	--	--	--	--	--	1	--	1	1	1	1
SB3	1	--	1	--	--	--	--	--	--	1	--
SB4	--	--	--	--	--	1	1	--	2	1	2
SB5	--	--	--	--	1	--	--	1	--	--	--
SB6	1	--	--	1	--	--	--	--	--	1	--
SB7	1	1	--	--	--	--	--	--	--	1	--
SB8	--	--	--	--	--	1	--	1	1	1	1
SB9	1	--	1	--	--	--	--	--	--	1	--
SB10	--	--	--	--	--	1	1	--	2	1	2
SB11	--	--	--	--	1	--	--	1	--	--	--
SB12	1	--	--	1	--	--	--	--	--	1	--
TOTAL	6	2	2	2	2	4	2	4	6	10	6

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

		FACES		
		658.0173*	658.0174*	658.0416*
SIGNAL BASE NO.	SIGNAL HEAD NO.	TRAFFIC SIGNAL FACE 3S-12 INCH EACH	TRAFFIC SIGNAL FACE 4S-12 INCH EACH	PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	16	1	--	--
SB1	19	--	--	1
SB2	14	1	--	--
SB2	15	1	--	--
SB2	20	--	--	1
SB3	1	1	--	--
SB3	11	--	1	--
SB3	21	--	--	1
SB4	12	--	1	--
SB5	4	--	1	--
SB5	8	1	--	--
SB5	9	1	--	--
SB6	22	--	--	1
SB7	13	1	--	--
SB7	23	--	--	1
SB8	17	1	--	--
SB8	18	1	--	--
SB8	24	--	--	1
SB9	5	--	1	--
SB9	7	1	--	--
SB9	25	--	--	1
SB10	6	--	1	--
SB11	2	1	--	--
SB11	3	1	--	--
SB11	10	--	1	--
SB12	26	--	--	1
	TOTAL	12	6	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.24 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET EACH
STH 181 AT SERVITE/DEAN	1
TOTAL	1

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.09 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 181 AT SERVITE/DEAN	1
TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.09 SIGNAL MOUNTING HARDWARE EACH
STH 181 AT SERVITE/DEAN	1
TOTAL	1

TRANPORTING MATERIALS

LOCATION	SPV.0060.35 TRANSPORT TRAFFIC SIGNAL AND LIGHTING MATERIALS EACH
STH 181 AT SERVITE/DEAN	1
TOTAL	1

3

REMOVING WIRE

LOCATION	204.9060.S.23 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 181 AT STH 100	1
TOTAL	1

CONDUIT

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.
PB15	SB21	20
PB12	SB20	10
PB25	SB22	25
PB21	SB23	15
	TOTAL	70

* QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

SIGNAL BASE NO.	LOCATION STA	LOCATION OFFSET	654.0101* CONCRETE BASES TYPE 1 EACH
SB20	349+03.5	8.8 LT	1
SB21	348+85.9	61.9 RT	1
SB22	345+15.8	66.7 LT	1
SB23	344+94.3	62.7 RT	1
TOTAL		TOTAL	4

* QUANTITY SHOWN ELSEWHERE ON PLAN

POLES

SIGNAL BASE NO.	657.0100* PEDESTAL BASES EACH	657.0405* TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	657.0430* TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	658.0500* PEDESTRIAN PUSH BUTTONS EACH
SB8	--	--	--	1
SB15	--	--	--	1
SB20	1	1	--	1
SB21	1	--	1	1
SB22	1	--	1	1
SB23	1	--	1	1
TOTAL	4	1	3	6

* QUANTITY SHOWN ELSEWHERE ON PLAN

FACES

SIGNAL BASE NO.	SIGNAL HEAD NO.	658.0416* PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB21	41	1
SB8	42	1
SB22	43	1
SB23	44	1
	TOTAL	4

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
CB1	SB20	150
CB1	SB21	90
CB1	CB2	325
CB2	SB22	210
CB2	SB23	395
	TOTAL	1170

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB21	110
SB9	SB20	130
SB17	SB22	110
SB13	SB23	90
	TOTAL	440

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.
SB21	41	20
SB8	42	20
SB22	43	20
SB23	44	20
	TOTAL	80

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	LOCATION** OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0800* LOOP DETECTOR WIRE L.F.
41	PB4	230+03.3	22.4 LT	6 X 16	4	ASPHALT	9F15-4B OPTION 2	50	210
42	PB2	232+08.0	66.3 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	221
43	PB2	348+64.1	64.6 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	78	246
44	PB3	232+03.9	77.9 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	98	309
45	PB3	348+51.9	62.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	94	296
81	PB28	235+94.7	9.6 RT	6 X 14	5	ASPHALT	9F15-4B OPTION 2	50	263
82	PB27	233+78.7	53.4 RT	6 X 20	4	ASPHALT	9F15-4B OPTION 2	88	370
83	PB27	233+52.9	63.1 RT	6 X 20	4	ASPHALT	9F15-4B OPTION 2	96	403
84	PB27	233+85.7	63.0 RT	6 X 20	4	ASPHALT	9F15-4B OPTION 2	72	302
85	PB27	345+52.8	71.0 LT	6 X 20	4	ASPHALT	9F15-4B OPTION 2	64	269
							TOTAL	680	1903

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.12 SIGNAL MOUNTING HARDWARE EACH
STH 181 ATSTH 100	1
TOTAL	1

PLOT DATE : 4/7/2025 1:46:39 PM PLOT BY : JGF

STH 181 & NORTHRIDGE DR

3

STATE FURNISHED MATERIALS SUMMARY - FOR INFORMATION ONLY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER AND CABINET
1	POLES TYPE 9 SPECIAL
1	POLES TYPE 10 SPECIAL
1	MONOTUBE ARMS 35-FT SPECIAL
1	MONOTUBE ARMS 45-FT SPECIAL
2	LUMINAIRE ARMS STEEL 15-FT

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	659.5000.S* LAMP, BALLAST, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, THREE SECTION	14
TRAFFIC SIGNAL, PEDESTRIAN	8
LED LAMP	7
MERCURY SWITCHES	1
TOTAL	30

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
TOTAL	16

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
SB15	1
SB16	1
SB17	1
CB1	1
TOTAL	18

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING TRAFFIC SIGNALS

LOCATION	204.9060.S.10 REMOVING TRAFFIC SIGNALS EACH
STH 181 AT NORTHRIDGE DR	1
TOTAL	1

REMOVING WIRE

LOCATION	204.9060.S.21 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 181 AT NORTHRIDGE DR	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.10 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
STH 181 AT NORTHRIDGE DR	1
TOTAL	1

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

LOCATION	TRAFFIC SIGNAL THREE SECTION EACH	TRAFFIC SIGNAL PEDESTRIAN EACH	LED LAMP EACH	MERCURY SWITCHES EACH
CB1	--	--	--	1
SB1	1	--	--	--
SB2	1	--	--	--
SB3	1	1	--	--
SB4	--	--	2	--
SB5	2	--	--	--
SB7	1	--	--	--
SB8	1	2	--	--
SB9	1	--	1	--
SB10	--	1	--	--
SB11	1	1	--	--
SB12	--	--	2	--
SB13	--	1	--	--
SB14	2	1	--	--
SB15	1	--	2	--
SB16	1	--	--	--
SB17	1	1	--	--
	14	8	7	1

		CONDUIT		
		652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	652.0615* CONDUIT SPECIAL 3-INCH
FROM	TO	L.F.	L.F.	L.F.
CB1	PB1	--	200	--
PB1	SB1	30	--	--
PB1	SB2	10	--	--
PB1	PB2	--	100	--
PB2	SB3	20	--	--
PB2	PB3	200	--	--
PB3	PB4	150	--	--
PB2	PB5	--	--	60
PB5	SB4	20	--	--
PB5	PB6	--	--	60
PB6	SB5	15	--	--
PB6	SB6	10	--	--
PB6	SB7	35	--	--
PB6	PB7	--	--	130
PB7	SB10	--	15	--
PB7	SB11	10	--	--
PB7	PB8	--	--	70
PB8	SB8	40	--	--
PB8	SB9	25	--	--
PB7	PB10	--	--	70
PB10	PB9	10	--	--
PB10	SB12	5	--	--
PB10	PB11	--	--	110
PB11	SB13	5	--	--
PB11	PB12	--	70	--
PB12	SB14	10	--	--
PB12	PB13	205	--	--
PB13	PB14	150	--	--
PB12	PB15	--	--	120
PB15	SB15	--	20	--
PB15	PB16	--	--	100
PB16	SB16	20	--	--
PB16	CB1	--	60	--
	TOTAL	970	465	720

* QUANTITY SHOWN ELSEWHERE ON PLAN

			CONCRETE BASES			
			654.0101* CONCRETE BASES TYPE 1	654.0102* CONCRETE BASES TYPE 2	654.0120* CONCRETE BASES TYPE 10 SPECIAL	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
SIGNAL BASE NO.	LOCATION STA	OFFSET	EACH	EACH	EACH	EACH
CB1	251+38.7	74.8 RT	--	--	--	1
SB1	250+66.6	57.0 RT	1	--	--	--
SB2	250+38.2	56.2 RT	1	--	--	--
SB3	250+12.1	56.3 RT	1	--	--	--
SB4	250+13.1	23.0 RT	--	1	--	--
SB5	250+3.4	9.0 LT	1	--	--	--
SB6	249+78.6	8.5 LT	1	--	--	--
SB7	249+53.7	8.9 LT	1	--	--	--
SB8	249+61.2	56.5 LT	1	--	--	--
SB9	249+75.8	63.6 LT	--	1	--	--
SB10	250+13.2	48.7 LT	--	--	1	--
SB11	250+24.6	58.8 LT	1	--	--	--
SB12	250+55.1	74.5 LT	--	1	--	--
SB13	251+10.9	62.5 LT	1	--	--	--
SB14	251+27.5	54.1 LT	1	--	--	--
SB15	251+18.7	1.0 RT	--	--	1	--
SB16	251+17.7	56.5 RT	1	--	--	--
TOTAL		TOTAL	11	3	2	1

* QUANTITY SHOWN ELSEWHERE ON PLAN

PULL BOXES

PULL BOX NO.	LOCATION STA	LOCATION OFFSET	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH
PB1	250+40.3	65.9 RT	--	1
PB2	249+93.4	57.1 RT	--	1
PB3	247+93.2	56.7 RT	1	--
PB4	246+43.3	56.5 RT	1	--
PB5	249+93.5	23.1 RT	--	1
PB6	249+89.2	8.6 LT	--	1
PB7	250+17.2	63.7 LT	--	1
PB8	249+88.7	83.0 LT	--	1
PB9	250+47.3	76.9 LT	1	--
PB10	250+52.6	66.9 LT	--	1
PB11	251+06.3	66.8 LT	--	1
PB12	251+38.2	52.6 LT	--	1
PB13	253+45.1	44.3 LT	1	--
PB14	254+95.3	42.1 LT	1	--
PB15	251+38.2	5.8 RT	--	1
PB16	251+36.5	56.1 RT	--	1
TOTAL		TOTAL	5	11

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	LOCATION** OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
11	PB5	249+87.2	12.3 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	205	227
12	PB5	250+16.8	12.5 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	205	214
13	PB6	249+87.1	1.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	235	208
14	PB6	250+18.2	1.4 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	74	235	233
21	PB14	254+96.4	30.2 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	46	510	242
22	PB14	254+96.4	20.2 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	62	510	326
23	PB13	253+45.7	30.2 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	50	360	263
24	PB13	253+45.7	20.2 LT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	66	360	347
41	PB8	249+97.9	79.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	315	208
42	PB8	249+89.3	53.2 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	74	315	233
43	PB7	250+07.9	76.2 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	78	270	246
44	PB7	250+00.6	49.3 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	270	221
61	PB4	246+42.6	44.0 RT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	52	525	273
62	PB4	246+42.3	34.0 RT	6 X 10	5	ASPHALT	9F15-4B OPTION 2	72	525	378
63	PB3	247+92.9	43.7 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	44	375	231
64	PB3	247+92.9	33.7 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	64	375	336
71	PB9	250+37.4	84.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	255	227
72	PB9	250+37.6	56.0 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	255	208
							TOTAL	882	5220	3736

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270* CABLE TRAFFIC SIGNAL 15-14 AWG L.F.
CB1	SB1	175	--	--
CB1	SB2	155	--	--
CB1	SB3	--	230	--
CB1	SB4	275	--	--
CB1	SB5	315	--	--
CB1	SB6	310	--	--
CB1	SB7	335	--	--
CB1	SB8	470	--	--
CB1	SB9	455	--	--
CB1	SB10	--	--	390
CB1	SB11	--	385	--
CB1	SB13	260	--	--
CB1	SB14	--	215	--
CB1	SB15	--	150	--
CB1	SB16	85	--	--
	TOTAL	2835	980	390

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED L.F.	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB4	275	--
SB4	LUMINAIRE 1	--	120
SB4	LUMINAIRE 2	--	120
SB4	SB9	250	--
SB9	LUMINAIRE 1	--	120
CB1	SB15	150	--
SB15	LUMINAIRE 1	--	145
SB15	LUMINAIRE 2	--	145
SB15	SB12	265	--
SB12	LUMINAIRE 1	--	120
SB12	LUMINAIRE 2	--	120
SB10	TOTAL	940	890

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	180
SB1	SB2	90
SB2	SB3	130
SB3	SB4	120
SB4	SB5	115
SB5	SB6	75
SB6	SB7	95
SB7	SB8	225
SB8	SB9	115
SB9	SB10	125
SB10	SB11	75
SB11	SB12	100
SB12	SB13	115
SB13	SB14	100
SB14	SB15	140
SB15	SB16	140
SB16	CB1	90
SB2	PB1	35
SB3	PB2	45
SB4	PB5	45
SB5	PB6	40
SB10	PB7	40
SB9	PB8	50
SB12	PB10	30
SB13	PB11	30
SB14	PB12	35
SB15	PB15	45
CB1	PB16	45
	TOTAL	2470

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.
SB1	11	20
SB2	12	20
SB3	1	20
SB3	16	20
SB5	4	20
SB6	14	20
SB7	15	20
SB8	18	20
SB9	13	20
SB10	8	60
SB10	9	45
SB10	17	20
SB10	19	20
SB11	10	20
SB11	20	20
SB13	21	20
SB14	7	20
SB14	22	20
SB15	2	55
SB15	3	70
SB15	5	20
SB15	6	35
SB16	23	20
	TOTAL	625

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

	POLES												
SIGNAL BASE NO.	657.0100* PEDESTAL BASES EACH	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310* POLES TYPE 3 EACH	657.0420* TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0430* TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0609* LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	SPV.0060.05* INSTALL TYPE 9 SPECIAL POLE EACH	SPV.0060.07* INSTALL TYPE 10 SPECIAL POLE EACH	SPV.0060.12* INSTALL MONOTUBE ARMS 35-FT SPECIAL EACH	SPV.0060.14* INSTALL MONOTUBE ARMS 45-FT SPECIAL EACH	SPV.0060.15* INSTALL LUMINAIRE ARMS STEEL 15-FT EACH	658.0500* PEDESTRIAN PUSH BUTTONS EACH	659.1125* LUMINAIRES UTILITY LED C EACH
SB1	1	--	--	1	--	--	--	--	--	--	--	--	--
SB2	1	--	--	1	--	--	--	--	--	--	--	--	--
SB3	1	--	--	1	--	--	--	--	--	--	--	1	--
SB4	--	1	1	--	--	2	--	--	--	--	--	1	2
SB5	1	--	--	1	--	--	--	--	--	--	--	--	--
SB6	1	--	--	1	--	--	--	--	--	--	--	--	--
SB7	1	--	--	1	--	--	--	--	--	--	--	--	--
SB8	1	--	--	--	1	--	--	--	--	--	--	1	--
SB9	--	1	1	--	--	1	--	--	--	--	--	--	1
SB10	--	--	--	--	--	--	1	--	1	--	--	2	--
SB11	1	--	--	1	--	--	--	--	--	--	--	1	--
SB12	--	1	1	--	--	2	--	--	--	--	--	--	2
SB13	1	--	--	--	1	--	--	--	--	--	--	1	--
SB14	1	--	--	1	--	--	--	--	--	--	--	1	--
SB15	--	--	--	--	--	--	--	1	--	1	2	1	2
SB16	1	--	--	--	1	--	--	--	--	--	--	1	--
TOTAL	11	3	3	8	3	5	1	1	1	1	2	10	7

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

		FACES	
		658.0173*	658.0416*
SIGNAL BASE NO.	SIGNAL HEAD NO.	TRAFFIC SIGNAL FACE 3S-12 INCH EACH	PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB1	11	1	--
SB2	12	1	--
SB3	1	1	--
SB3	16	--	1
SB5	4	1	--
SB6	14	1	--
SB7	15	1	--
SB8	18	--	1
SB9	13	1	--
SB10	8	1	--
SB10	9	1	--
SB10	17	--	1
SB10	19	--	1
SB11	10	1	--
SB11	20	--	1
SB13	21	--	1
SB14	7	1	--
SB14	22	--	1
SB15	2	1	--
SB15	3	1	--
SB15	5	1	--
SB15	6	1	--
SB16	23	--	1
	TOTAL	15	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.25 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET EACH
STH 181 AT NORTHRIDGE DR	1
TOTAL	1

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.10 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 181 AT NORTHRIDGE DR	1
TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.10 SIGNAL MOUNTING HARDWARE EACH
STH 181 AT NORTHRIDGE DR	1
TOTAL	1

TRANPORTING MATERIALS

LOCATION	SPV.0060.36 TRANSPORT TRAFFIC SIGNAL AND LIGHTING MATERIALS EACH
STH 181 AT NORTHRIDGE DR	1
TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY - FOR INFORMATION ONLY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER AND CABINET
6	POLES TYPE 9
2	MONOTUBE ARMS 15-FT
4	MONOTUBE ARMS 30-FT

REMOVING TRAFFIC SIGNALS

LOCATION	204.9060.S.11 REMOVING TRAFFIC SIGNALS EACH
STH 181 AT NORTHRIDGE LAKES BLVD	1
TOTAL	1

REMOVING WIRE

LOCATION	204.9060.S.22 REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE EACH
STH 181 AT NORTHRIDGE LAKES BLVD	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS

LOCATION	661.0201.11 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS EACH
STH 181 AT NORTHRIDGE LAKES BLVD	1
TOTAL	1

LAMP, BALLAST, LED, SWITCH DISPOSAL

FIXTURE TYPE	659.5000.S* LAMP, BALLAST, SWITCH DISPOSAL BY CONTRACTOR EACH
TRAFFIC SIGNAL, THREE SECTION	12
TRAFFIC SIGNAL, FIVE SECTION	4
TRAFFIC SIGNAL, PEDESTRIAN	8
LED LAMP	8
MERCURY SWITCHES	1
TOTAL	33

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195* REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
CB1	1
TOTAL	15

* QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE PULL BOXES

PULL BOX NO.	653.0905* REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
PB19	1
PB20	1
PB21	1
PB22	1
PB23	1
TOTAL	23

* QUANTITY SHOWN ELSEWHERE ON PLAN

LAMP, BALLAST, LED, SWITCH DISPOSAL (FOR INFORMATION ONLY)

LOCATION	TRAFFIC SIGNAL THREE SECTION EACH	TRAFFIC SIGNAL FIVE SECTION EACH	TRAFFIC SIGNAL PEDESTRIAN EACH	LED LAMP EACH	MERCURY SWITCHES EACH
CB1	--	--	--	--	1
SB1	1	--	1	--	--
SB2	1	--	--	2	--
SB3	1	--	1	--	--
SB4	1	--	1	--	--
SB5	--	1	--	2	--
SB6	1	1	--	--	--
SB7	1	--	1	--	--
SB8	1	--	1	--	--
SB9	1	--	--	2	--
SB10	1	--	1	--	--
SB11	1	--	1	--	--
SB12	--	1	--	2	--
SB13	1	1	--	--	--
SB14	1	--	1	--	--
	12	4	8	8	1

3

		CONDUIT		
		652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH	652.0615* CONDUIT SPECIAL 3-INCH
FROM	TO	L.F.	L.F.	L.F.
CB1	PB1	--	30	--
PB1	PB2	205	--	--
PB2	PB3	150	--	--
PB1	PB4	--	--	120
PB4	SB1	20	--	--
PB4	PB5	--	--	30
PB5	SB2	--	10	--
PB5	PB6	--	--	60
PB6	SB3	--	20	--
PB6	PB7	--	130	--
PB7	PB8	5	--	--
PB7	SB4	20	--	--
PB7	PB9	--	--	90
PB9	PB10	5	--	--
PB9	SB5	5	--	--
PB9	PB11	--	--	70
PB11	SB6	--	20	--
PB11	PB12	--	130	--
PB12	SB7	40	--	--
PB12	PB13	190	--	--
PB13	PB14	150	--	--
PB12	PB15	--	--	80
PB15	SB8	30	--	--
PB15	PB16	--	--	30
PB16	SB9	--	25	--
PB16	PB17	--	--	70
PB17	SB10	--	30	--
PB17	PB18	--	130	--
PB18	SB11	10	--	--
PB18	PB19	5	--	--
PB19	PB20	160	--	--
PB18	PB21	--	--	90
PB21	SB12	10	--	--
PB21	PB22	--	--	100
PB22	PB23	--	--	40
PB23	SB13	--	20	--
PB23	SB14	5	--	--
PB22	CB1	--	30	--
	TOTAL	1010	575	780

* QUANTITY SHOWN ELSEWHERE ON PLAN

			CONCRETE BASES			
			654.0101* CONCRETE BASES TYPE 1	654.0102* CONCRETE BASES TYPE 2	654.0110* CONCRETE BASES TYPE 10	654.0217* CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL
SIGNAL BASE NO.	LOCATION STA	OFFSET	EACH	EACH	EACH	EACH
CB1	256+67.2	84.2 RT	--	--	--	1
SB1	256+79.5	9.3 RT	--	1	--	--
SB2	256+68.1	8.7 LT	--	--	1	--
SB3	256+77.1	43.4 LT	--	--	1	--
SB4	256+93.5	60.3 LT	1	--	--	--
SB5	257+39.9	67.4 LT	--	1	--	--
SB6	257+82.6	61.6 LT	--	--	1	--
SB7	257+94.8	52.6 LT	1	--	--	--
SB8	257+95.5	9.3 LT	--	1	--	--
SB9	258+02.1	9.1 RT	--	--	1	--
SB10	257+96.3	48.5 RT	--	--	1	--
SB11	257+80.6	61.2 RT	1	--	--	--
SB12	257+30.2	72.0 RT	--	1	--	--
SB13	256+91.0	50.9 RT	--	--	1	--
SB14	256+77.8	42.3 RT	1	--	--	--
TOTAL		TOTAL	4	4	6	1

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

PULL BOXES

PULL BOX NO.	LOCATION STA	LOCATION OFFSET	653.0135* PULL BOXES STEEL 24x36-INCH EACH	653.0140* PULL BOXES STEEL 24x42-INCH EACH
PB1	256+59.6	71.8 RT	--	1
PB2	254+59.2	41.6 RT	1	--
PB3	253+07.9	48.2 RT	1	--
PB4	256+57.8	9.5 RT	--	1
PB5	256+56.3	8.6 LT	--	1
PB6	256+55.4	41.4 LT	--	1
PB7	256+94.9	80.4 LT	--	1
PB8	256+95.0	90.1 LT	1	--
PB9	257+41.6	76.2 LT	--	1
PB10	257+39.1	82.6 LT	1	--
PB11	257+76.5	80.0 LT	--	1
PB12	258+26.6	51.3 LT	--	1
PB13	260+12.6	51.1 LT	1	--
PB14	261+63.1	50.9 LT	1	--
PB15	258+26.0	8.8 LT	--	1
PB16	258+25.4	9.2 RT	--	1
PB17	258+24.8	46.1 RT	--	1
PB18	257+75.5	73.2 RT	--	1
PB19	257+75.7	83.1 RT	1	--
PB20	145+46.5	39.9 LT	1	--
PB21	257+30.2	81.5 RT	--	1
PB22	256+79.7	84.1 RT	--	1
PB23	256+69.5	42.3 RT	--	1
TOTAL		TOTAL	8	15

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** STA	LOCATION** OFFSET	SIZE (FT) X (FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800* CONDUIT LOOP DETECTOR L.F.	655.0700* LOOP DETECTOR LEAD IN CABLE L.F.	655.0800* LOOP DETECTOR WIRE L.F.
11	PB5	256+51.1	CL	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	110	214
12	PB5	256+79.1	0.1 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	64	110	202
21	PB14	261+63.6	31.4 LT	6 X 12	5	ASPHALT	9F15-4B OPTION 2	74	625	389
22	PB14	261+63.6	19.0 LT	6 X 12	5	ASPHALT	9F15-4B OPTION 2	98	625	515
23	PB13	260+13.4	30.8 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	66	475	347
24	PB13	260+13.3	19.3 LT	6 X 8	5	ASPHALT	9F15-4B OPTION 2	90	475	473
31	PB21	257+42.1	84.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	85	227
32	PB21	257+42.1	56.8RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	72	85	227
41	PB8	257+05.2	88.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	210	208
42	PB8	257+05.6	60.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	76	210	239
43	PB8	257+17.7	88.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	92	210	290
44	PB8	257+18.0	60.6 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	96	210	302
51	PB16	258+23.6	0.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	64	230	202
52	PB16	257+95.6	0.2 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	74	230	233
61	PB3	253+07.2	36.5 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	46	390	242
62	PB3	253+06.7	24.0 RT	6 X 6	5	ASPHALT	9F15-4B OPTION 2	70	390	368
63	PB2	254+58.7	31.9 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	42	240	176
64	PB2	254+58.2	19.4 RT	6 X 6	4	ASPHALT	9F15-4B OPTION 2	66	240	277
71	PB10	257+30.3	89.1 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	70	260	221
72	PB10	257+30.7	61.1 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	64	260	202
81	PB20	145+45.5	23.4 LT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	66	295	208
82	PB19	257+65.7	86.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	130	214
83	PB19	257+65.7	58.8 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	68	130	214
84	PB19	257+54.3	85.3 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	90	130	284
85	PB19	257+54.2	57.3 RT	6 X 20	3	ASPHALT	9F15-4B OPTION 2	90	130	284
							TOTAL	1606	5640	5949

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260* CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270* CABLE TRAFFIC SIGNAL 15-14 AWG L.F.
CB1	SB1	160	--	--
CB1	SB2	--	170	--
CB1	SB3	--	225	--
CB1	SB4	--	--	320
CB1	SB5	--	335	--
CB1	SB6	--	415	--
CB1	SB7	--	--	435
CB1	SB8	370	--	--
CB1	SB9	--	335	--
CB1	SB10	--	290	--
CB1	SB11	--	--	190
CB1	SB12	--	130	--
CB1	SB13	--	130	--
CB1	SB14	--	--	115
	TOTAL	530	2030	1060

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0305* CABLE TYPE UF 2-12 AWG GROUNDED L.F.	655.0610* ELECTRICAL WIRE LIGHTING 12 AWG L.F.
CB1	SB1	180	--
SB1	LUMINAIRE 1	--	120
SB1	LUMINAIRE 2	--	120
SB1	SB5	285	--
SB5	LUMINAIRE 1	--	120
SB5	LUMINAIRE 2	--	120
CB1	SB12	130	--
SB12	LUMINAIRE 1	--	120
SB12	LUMINAIRE 2	--	120
SB12	SB8	305	--
SB8	LUMINAIRE 1	--	120
SB8	LUMINAIRE 2	--	120
	TOTAL	900	960

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515* ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	140
SB1	SB2	95
SB2	SB3	110
SB3	SB4	155
SB4	SB5	120
SB5	SB6	110
SB6	SB7	175
SB7	SB8	165
SB8	SB9	120
SB9	SB10	140
SB10	SB11	155
SB11	SB12	115
SB12	SB13	175
SB13	SB14	75
SB14	CB1	110
CB1	PB1	35
SB1	PB4	55
SB2	PB5	35
SB3	PB6	45
SB4	PB7	45
SB5	PB9	30
SB6	PB11	45
SB7	PB12	65
SB8	PB15	55
SB9	PB16	50
SB10	PB17	55
SB11	PB18	35
SB12	PB21	35
CB1	PB22	35
SB13	PB23	45
	TOTAL	2625

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO SIGNAL HEAD NUMBER	655.0230* CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB2	4	--	20
SB2	12	--	35
SB3	8	55	--
SB3	9	40	--
SB3	26	20	--
SB4	13	20	--
SB4	23	--	20
SB4	27	20	--
SB5	16	--	20
SB5	24	--	20
SB6	20	55	--
SB6	21	40	--
SB6	28	20	--
SB7	5	--	20
SB7	7	20	--
SB7	29	20	--
SB9	6	--	20
SB9	10	--	20
SB10	2	55	--
SB10	3	40	--
SB10	30	20	--
SB11	17	--	20
SB11	19	20	--
SB11	31	20	--
SB12	18	--	20
SB12	22	--	20
SB13	14	55	--
SB13	15	40	--
SB13	32	20	--
SB14	1	20	--
SB14	11	--	20
SB14	25	20	--
	TOTAL	620	255

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

	POLES									
	657.0100*	657.0255*	657.0310*	657.0425*	657.0609*	SPV.0060.04*	SPV.0060.08*	SPV.0060.11*	658.0500*	659.1125*
SIGNAL BASE NO.	PEDESTAL BASES EACH	TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	POLES TYPE 3 EACH	TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	INSTALL TYPE 9 POLE EACH	INSTALL MONOTUBE ARMS 15-FT EACH	INSTALL MONOTUBE ARMS 30-FT EACH	PEDESTRIAN PUSH BUTTONS EACH	LUMINAIRES UTILITY LED C EACH
SB1	--	1	1	--	2	--	--	--	1	2
SB2	--	--	--	--	--	1	1	--	--	--
SB3	--	--	--	--	--	1	--	1	1	--
SB4	1	--	--	1	--	--	--	--	1	--
SB5	--	1	1	--	2	--	--	--	--	2
SB6	--	--	--	--	--	1	--	1	1	--
SB7	1	--	--	1	--	--	--	--	1	--
SB8	--	1	1	--	2	--	--	--	1	2
SB9	--	--	--	--	--	1	1	--	--	--
SB10	--	--	--	--	--	1	--	1	1	--
SB11	1	--	--	1	--	--	--	--	1	--
SB12	--	1	1	--	2	--	--	--	--	2
SB13	--	--	--	--	--	1	--	1	1	--
SB14	1	--	--	1	--	--	--	--	1	--
TOTAL	4	4	4	4	8	6	2	4	10	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

3

FACES

SIGNAL BASE NO.	SIGNAL HEAD NO.	658.0173* TRAFFIC SIGNAL FACE 3S-12 INCH EACH	658.0174* TRAFFIC SIGNAL FACE 4S-12 INCH EACH	658.0416* PEDESTRIAN SIGNAL FACE 16-INCH EACH
SB2	4	--	1	--
SB2	12	--	1	--
SB3	8	1	--	--
SB3	9	1	--	--
SB3	26	--	--	1
SB4	13	1	--	--
SB4	23	--	1	--
SB4	27	--	--	1
SB5	16	--	1	--
SB5	24	--	1	--
SB6	20	1	--	--
SB6	21	1	--	--
SB6	28	--	--	1
SB7	5	--	1	--
SB7	7	1	--	--
SB7	29	--	--	1
SB9	6	--	1	--
SB9	10	--	1	--
SB10	2	1	--	--
SB10	3	1	--	--
SB10	30	--	--	1
SB11	17	--	1	--
SB11	19	1	--	--
SB11	31	--	--	1
SB12	18	--	1	--
SB12	22	--	1	--
SB13	14	1	--	--
SB13	15	1	--	--
SB13	32	--	--	1
SB14	1	1	--	--
SB14	11	--	1	--
SB14	25	--	--	1
	TOTAL	12	12	8

* QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABINET

LOCATION	SPV.0060.26 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET EACH
STH 181 AT NORTHRIDGE LAKES BLVD	1
TOTAL	1

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0201.11 ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
STH 181 AT NORTHRIDGE LAKES BLVD	1
TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.11 SIGNAL MOUNTING HARDWARE EACH
STH 181 AT NORTHRIDGE LAKES BLVD	1
TOTAL	1

TRANPORTING MATERIALS

LOCATION	SPV.0060.37 TRANSPORT TRAFFIC SIGNAL AND LIGHTING MATERIALS EACH
STH 181 AT NORTHRIDGE LAKES BLVD	1
TOTAL	1

NOTES:
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POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

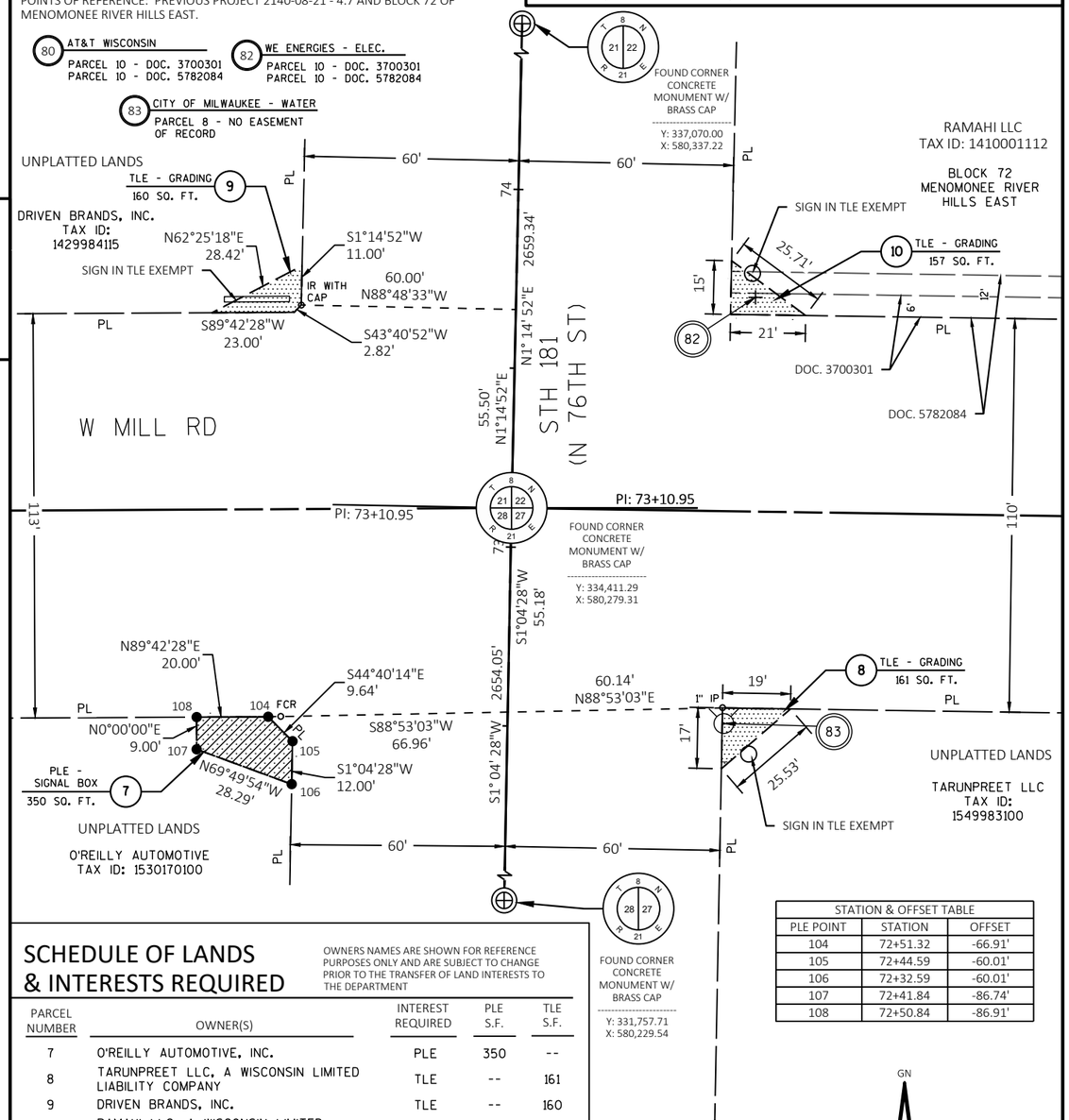
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-21 - 4.7 AND BLOCK 72 OF MENOMONEE RIVER HILLS EAST.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.03

RW ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF BLOCK 72 OF MENOMONEE RIVER HILLS EAST IN SECTION 22, AND PART OF THE SE1/4 OF THE SE1/4 OF SECTION 21, AND PART OF THE NE1/4 OF THE NE1/4 OF SECTION 28, AND PART OF THE NW1/4 OF THE NW1/4 OF SECTION 27, ALL IN T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



STATION & OFFSET TABLE		
PLE POINT	STATION	OFFSET
104	72+51.32	-66.91'
105	72+44.59	-60.01'
106	72+32.59	-60.01'
107	72+41.84	-86.74'
108	72+50.84	-86.91'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	PLE S.F.	TLE S.F.
7	O'REILLY AUTOMOTIVE, INC.	PLE	350	--
8	TARUNPREET LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	--	161
9	DRIVEN BRANDS, INC.	TLE	--	160
10	RAMAHI LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	--	157

UTILITY INTERESTS REQUIRED

UTILITY #	UTILITY OWNER(S)	INTEREST REQUIRED
80	AT&T	RELEASE OF RIGHTS
82	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
83	CITY OF MILWAUKEE - WATER	RELEASE OF RIGHTS

FILE NAME : 2140-14-70_STH 181_MILWAUKEE_PLAT.DWG PLOT DATE : 12/5/2023 11:44 AM R/W PROJECT: 2140-14-70

4

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

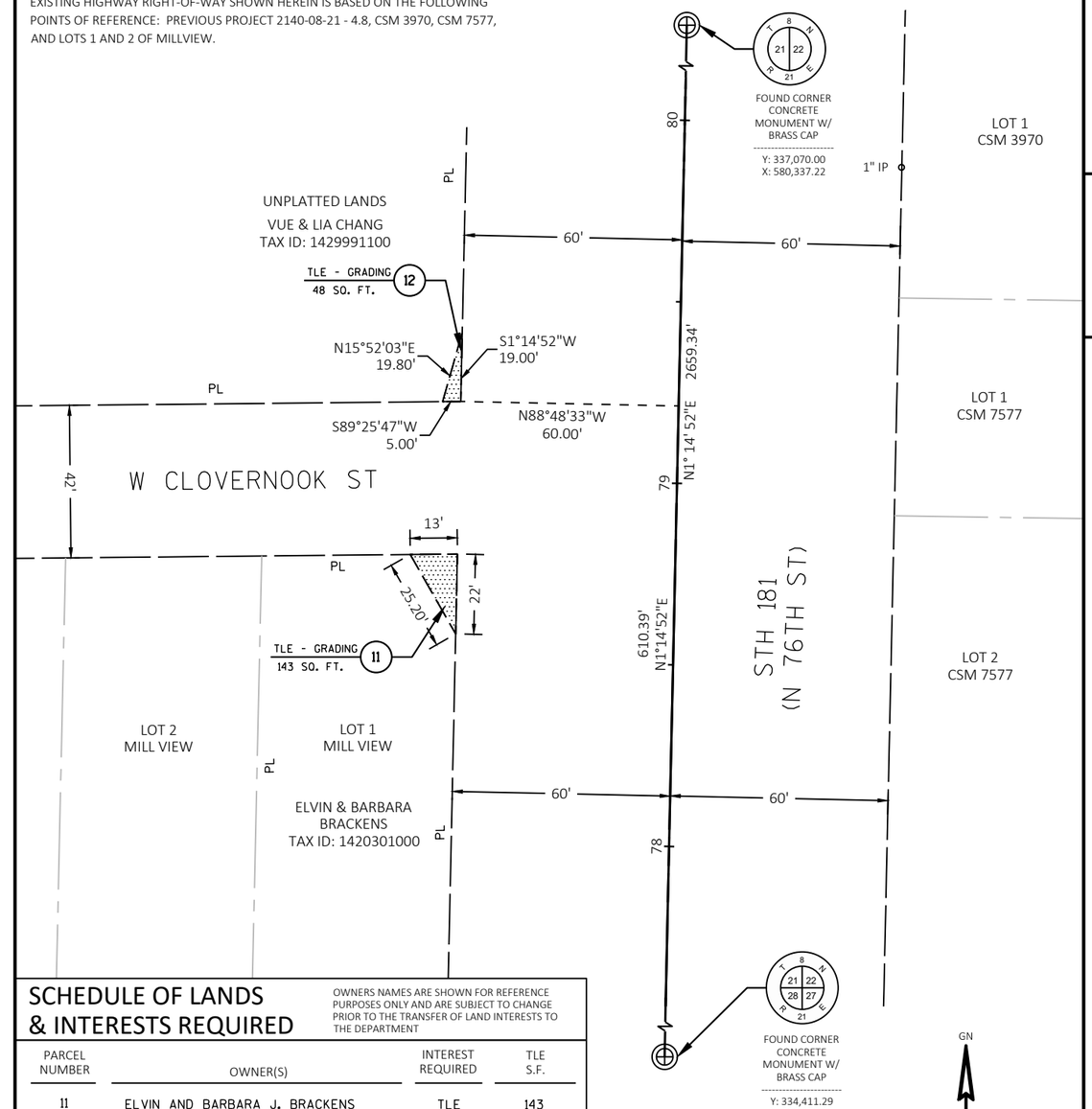
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-21 - 4.8, CSM 3970, CSM 7577, AND LOTS 1 AND 2 OF MILLVIEW.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.04

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF LOT 1, MILL VIEW IN THE SE1/4 OF THE SE1/4 OF SECTION 21; AND PART OF UNPLATTED LANDS IN THE SE1/4 OF THE SE1/4 , BOTH IN T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
11	ELVIN AND BARBARA J. BRACKENS	TLE	143
12	VUE CHANG AND LIA V. CHANG	TLE	48

FILE NAME : 2140-14-70_STH 181_MILWAUKEE_PLAT.DWG PLOT DATE : 12/5/2023 11:44 AM R/W PROJECT: 2140-14-70

4

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

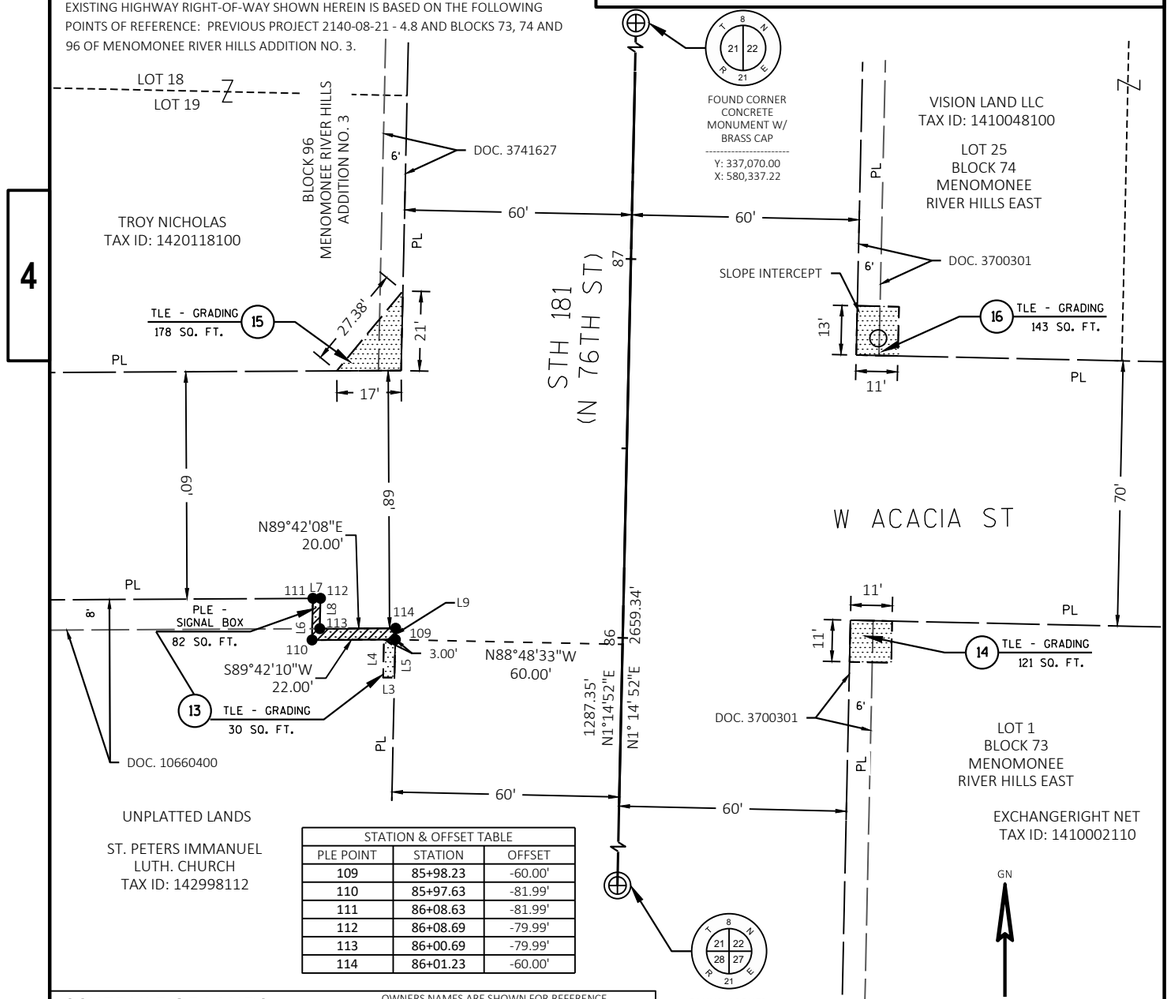
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-21 - 4.8 AND BLOCKS 73, 74 AND 96 OF MENOMONEE RIVER HILLS ADDITION NO. 3.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.05

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF LOT 19, BLOCK 96 OF MENOMONEE RIVER HILLS ADDITION NO. 3 IN THE NE1/4 OF THE SE1/4, AND PART OF THE SE1/4 OF THE SE1/4, ALL IN SECTION 21; AND PART OF LOT 25, BLOCK 74 OF MENOMONEE RIVER HILLS EAST IN THE NW1/4 OF THE SW1/4, AND PART OF LOT 1, BLOCK 73 OF MENOMONEE RIVER HILLS EAST IN THE SW1/4 OF THE SW1/4, ALL IN SECTION 22; ALL LOCATED IN T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



STATION & OFFSET TABLE		
PLE POINT	STATION	OFFSET
109	85+98.23	-60.00'
110	85+97.63	-81.99'
111	86+08.63	-81.99'
112	86+08.69	-79.99'
113	86+00.69	-79.99'
114	86+01.23	-60.00'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	PLE S.F.	TLE S.F.
13	ST. PETERS EV. LUTHERAN CONGREGATION	PLE, TLE	82	30
14	EXCHANGERIGHT NET LEASED PORTFOLIO 10 DST, A DELAWARE STATUTORY TRUST	TLE	--	121
15	TROY V. NICHOLAS	TLE	--	178
16	VISION LAND, L.L.C.	TLE	--	143

UTILITY INTERESTS REQUIRED

UTILITY #	UTILITY OWNER(S)	INTEREST REQUIRED
80	AT&T WISCONSIN	RELEASE OF RIGHTS
82	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
84	MIDWEST FIBER NETWORKS LLC	RELEASE OF RIGHTS

80 AT&T WISCONSIN
PARCEL 14 - DOC. 3700301
PARCEL 15 - DOC. 3741627
PARCEL 16 - DOC. 3700301

82 WE ENERGIES - ELEC.
PARCEL 14 - DOC. 3700301
PARCEL 15 - DOC. 3741627
PARCEL 16 - DOC. 3700301

84 MIDWEST FIBER NETWORKS LLC
PARCEL 13 - DOC. 10660400

LINE	BEARING	DISTANCE
L3	S89°43'14"W	3.00'
L4	N01°14'52"E	10.00'
L5	S01°14'52"W	10.00'
L6	N01°14'56"E	11.00'
L7	N89°40'41"E	2.00'
L8	S01°14'56"W	8.00'
L9	S01°14'52"W	3.00'

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

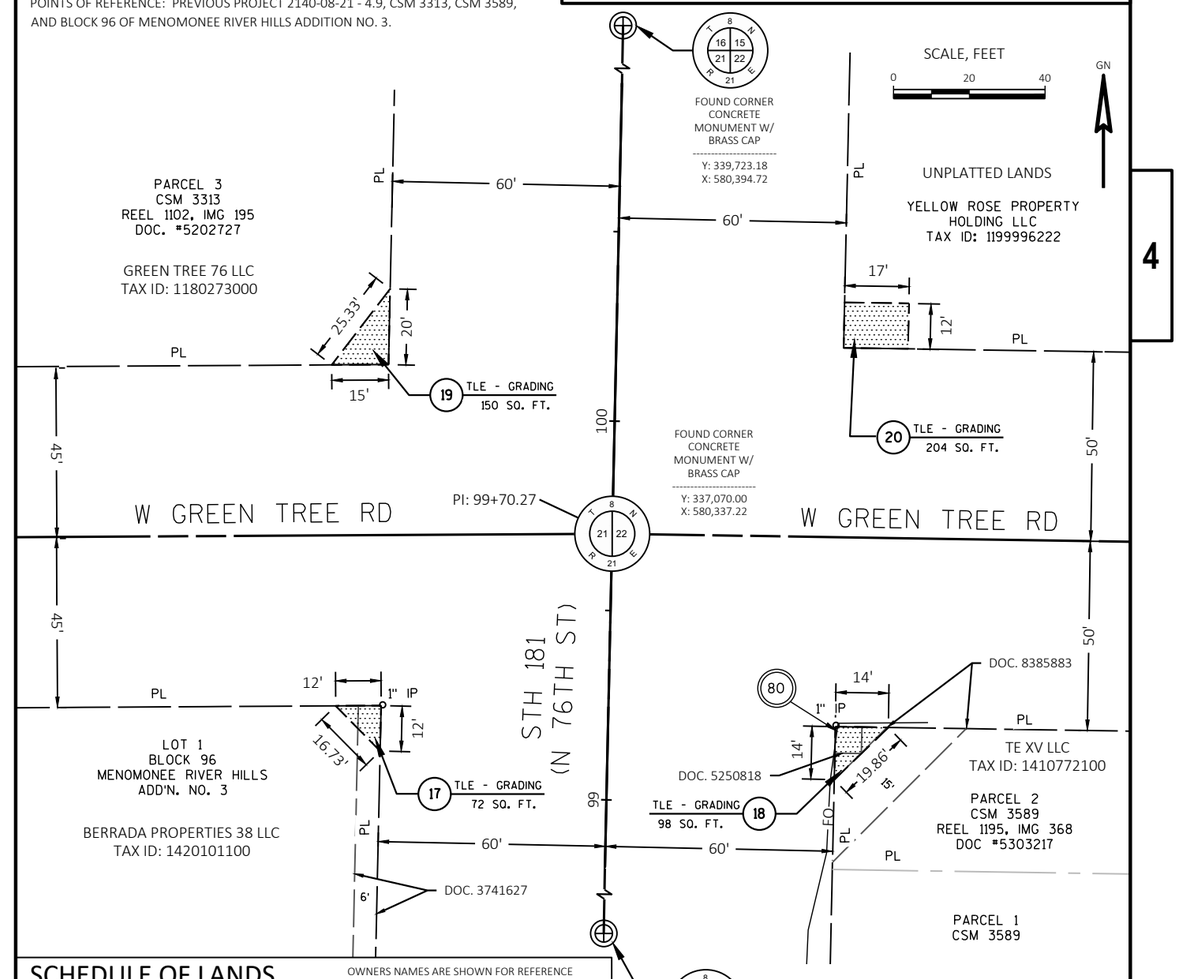
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-21 - 4.9, CSM 3313, CSM 3589, AND BLOCK 96 OF MENOMONEE RIVER HILLS ADDITION NO. 3.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.06

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF PARCEL 3 OF CSM 3313, RECORDED IN REEL 1102, IMG 195 AS DOC. #5202727 IN THE SE1/4 OF THE NE1/4, AND LOT 1, BLOCK 96 OF MENOMONEE RIVER HILLS ADDITION NO. 3 IN THE NE1/4 OF THE SE1/4, ALL IN SECTION 21; AND PART OF PARCEL 2 OF CSM 3589, RECORDED IN REEL 1195, IMG 368 AS DOC. #5303217 IN THE NW1/4 OF THE SW1/4, AND PART OF THE SW1/4 OF THE NW1/4, ALL IN SECTION 22; ALL LOCATED IN T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
17	BERRADA PROPERTIES 38, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	72
18	TE XV LLC	TLE	98
19	GREEN TREE 76 LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	150
20	YELLOW ROSE PROPERTY HOLDING LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	204

UTILITY INTERESTS REQUIRED

UTILITY #	UTILITY OWNER(S)	INTEREST REQUIRED
80	AT&T WISCONSIN	RELEASE OF RIGHTS
82	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

80 AT&T WISCONSIN
PARCEL 17 - DOC. 3741627
PARCEL 18 - DOC. 5250818
PARCEL 18 - DOC. 8385833

82 WE ENERGIES - ELEC.
PARCEL 17 - DOC. 3741627

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

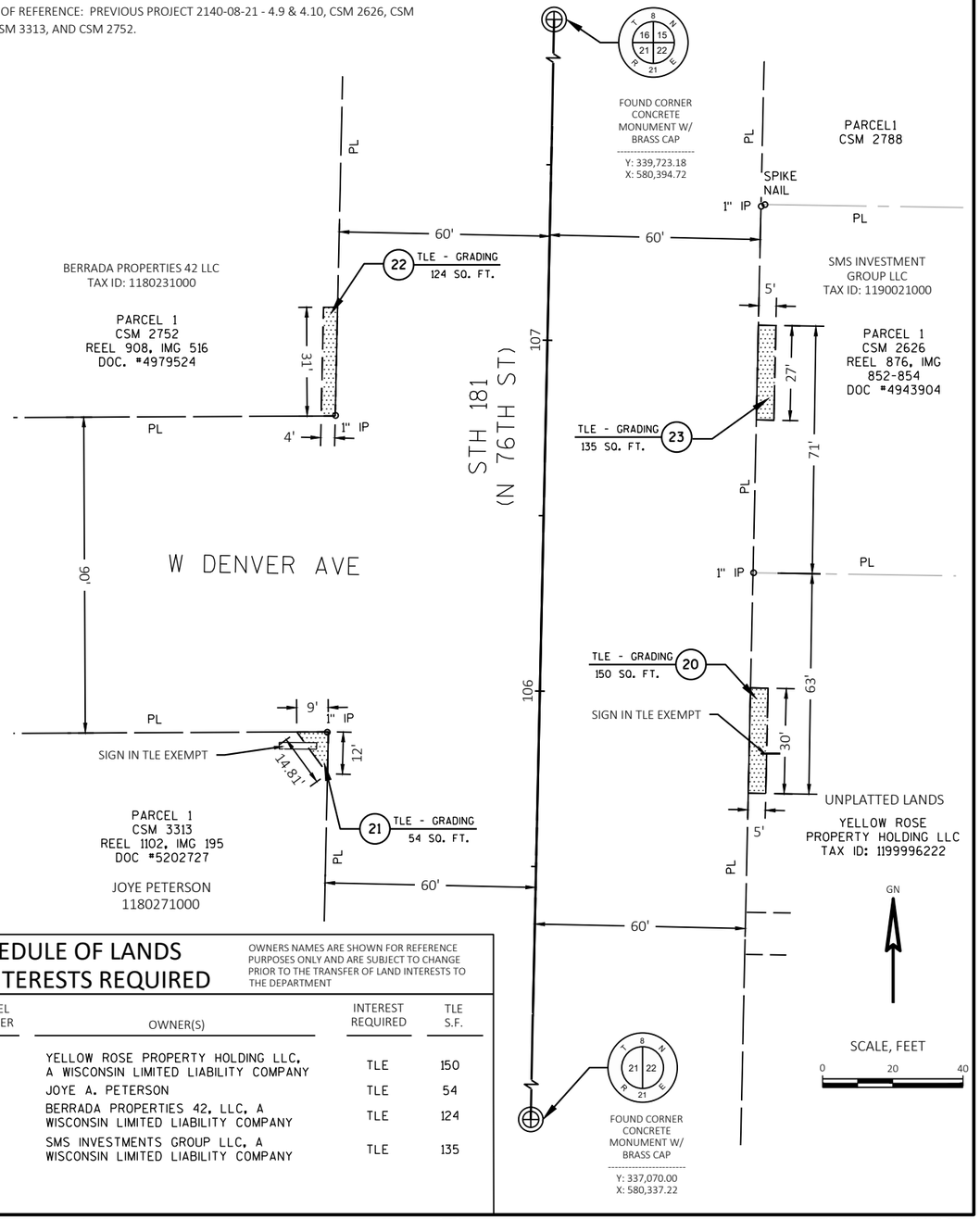
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-21 - 4.9 & 4.10, CSM 2626, CSM 2788, CSM 3313, AND CSM 2752.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.07

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF PARCEL 1 OF CSM 3313, RECORDED IN REEL 1102, IMG 195 AS DOC. #5202727, AND PARCEL 1 OF CSM 2752, RECORDED IN REEL 908, IMG 516 AS DOC. #4979524, ALL IN THE SE1/4 OF THE NE1/4 OF SECTION 21; AND PART OF PARCEL 1 OF CSM 2626, RECORDED IN REEL 876, IMG 852-854 AS DOC. #4943904 IN AND INCLUDING PARTS OF THE SW1/4 OF THE NW1/4 OF SECTION 22; ALL LOCATED IN T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
20	YELLOW ROSE PROPERTY HOLDING LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	150
21	JOYE A. PETERSON	TLE	54
22	BERRADA PROPERTIES 42, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	124
23	SMS INVESTMENTS GROUP LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	135

4

NOTES:
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POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

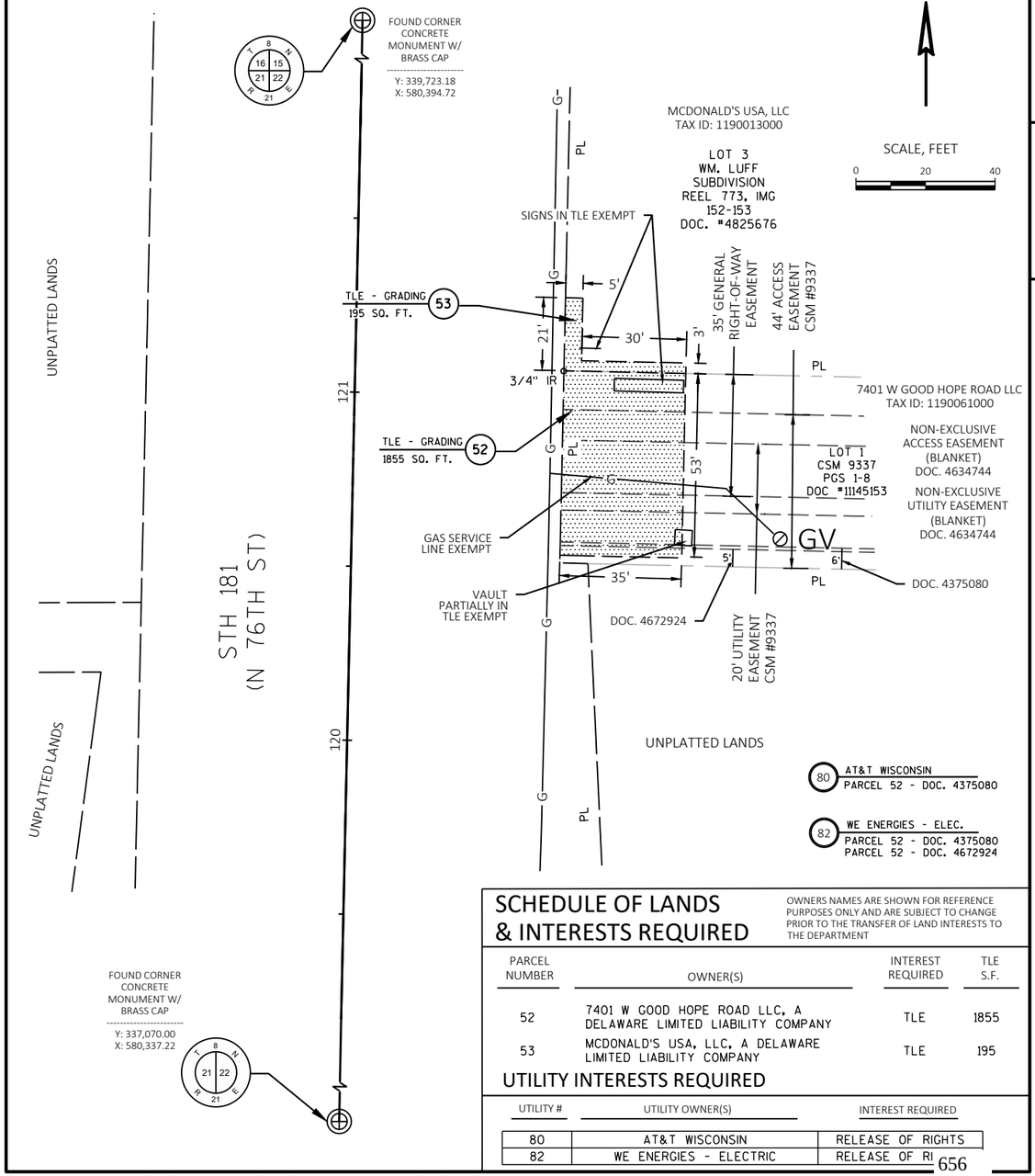
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-21 - 4.9 & 4.10, CSM 9337, AND WM. LUFF SUBDIVISION.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.08

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF LOT 1 OF CSM 9337, RECORDED AS DOC. #11145153, AND LOT 3 OF WM. LUFF SUBDIVISION, RECORDED IN REEL 773, IMG 152-153 AS DOC. #4825676, ALL LOCATED IN THE NW1/4 OF THE NW1/4 OF SECTION 22, T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
52	7401 W GOOD HOPE ROAD LLC, A DELAWARE LIMITED LIABILITY COMPANY	TLE	1855
53	MCDONALD'S USA, LLC, A DELAWARE LIMITED LIABILITY COMPANY	TLE	195

UTILITY INTERESTS REQUIRED

UTILITY #	UTILITY OWNER(S)	INTEREST REQUIRED
80	AT&T WISCONSIN	RELEASE OF RIGHTS
82	WE ENERGIES - ELECTRIC	RELEASE OF RI

NOTES:
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POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

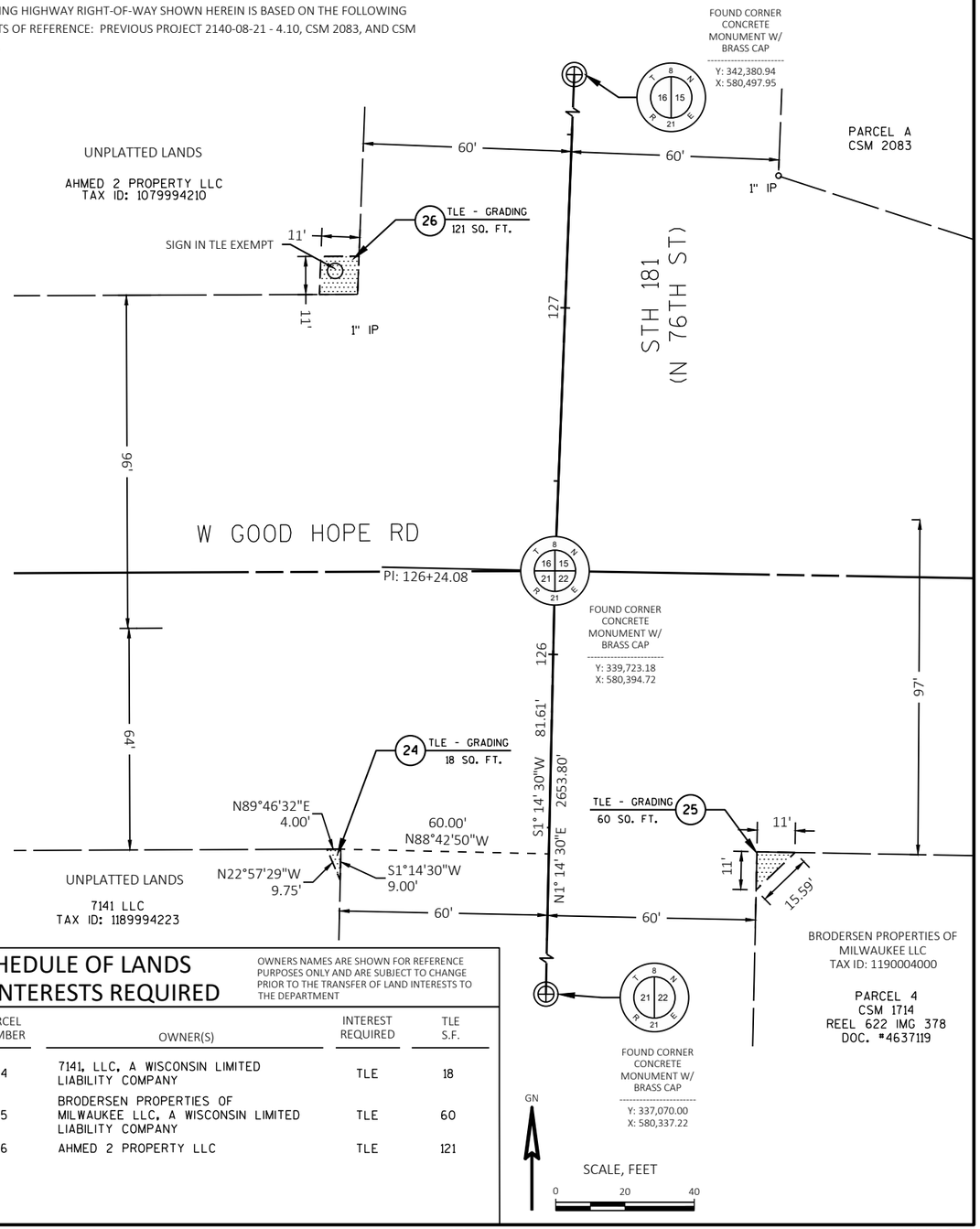
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-21 - 4.10, CSM 2083, AND CSM 1714.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.09

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF THE SE1/4 OF THE SE1/4 OF SECTION 16, PART OF THE NE1/4 OF THE NE1/4 OF SECTION 21, AND PART OF PARCEL 4 OF CSM 1714, RECORDED IN REEL 622, IMG 378 AS DOC. #4637119, IN THE NW1/4 OF THE NW1/4 OF SECTION 22, ALL LOCATED IN T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
24	7141, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	18
25	BRODERSEN PROPERTIES OF MILWAUKEE LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	60
26	AHMED 2 PROPERTY LLC	TLE	121

NOTES:
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POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

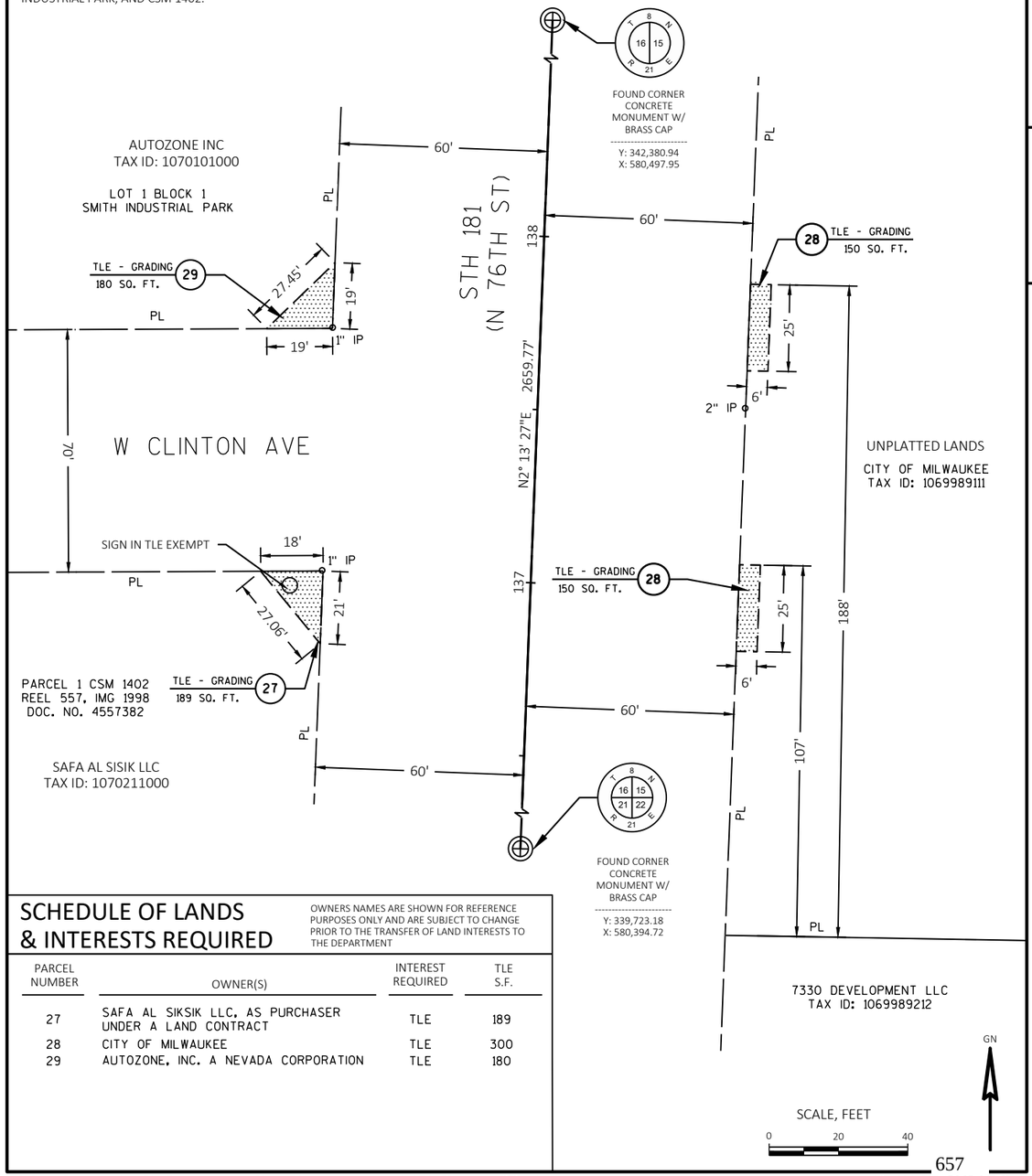
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-21 - 4.11, BLOCK 1 OF SMITH INDUSTRIAL PARK, AND CSM 1402.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.10

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF LOT 1, BLOCK 1 OF SMITH INDUSTRIAL PARK AND PARCEL 1 OF CSM #1402, RECORDED AS DOC. NO. 4557382 IN REEL 557, IMG 1998 IN THE NE1/4 OF THE SE1/4 OF SECTION 16, AND PART OF THE NW1/4 OF THE SW1/4 OF SECTION 15, ALL IN T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
27	SAFA AL SIKSIK LLC, AS PURCHASER UNDER A LAND CONTRACT	TLE	189
28	CITY OF MILWAUKEE	TLE	300
29	AUTOZONE, INC. A NEVADA CORPORATION	TLE	180

NOTES:
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POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

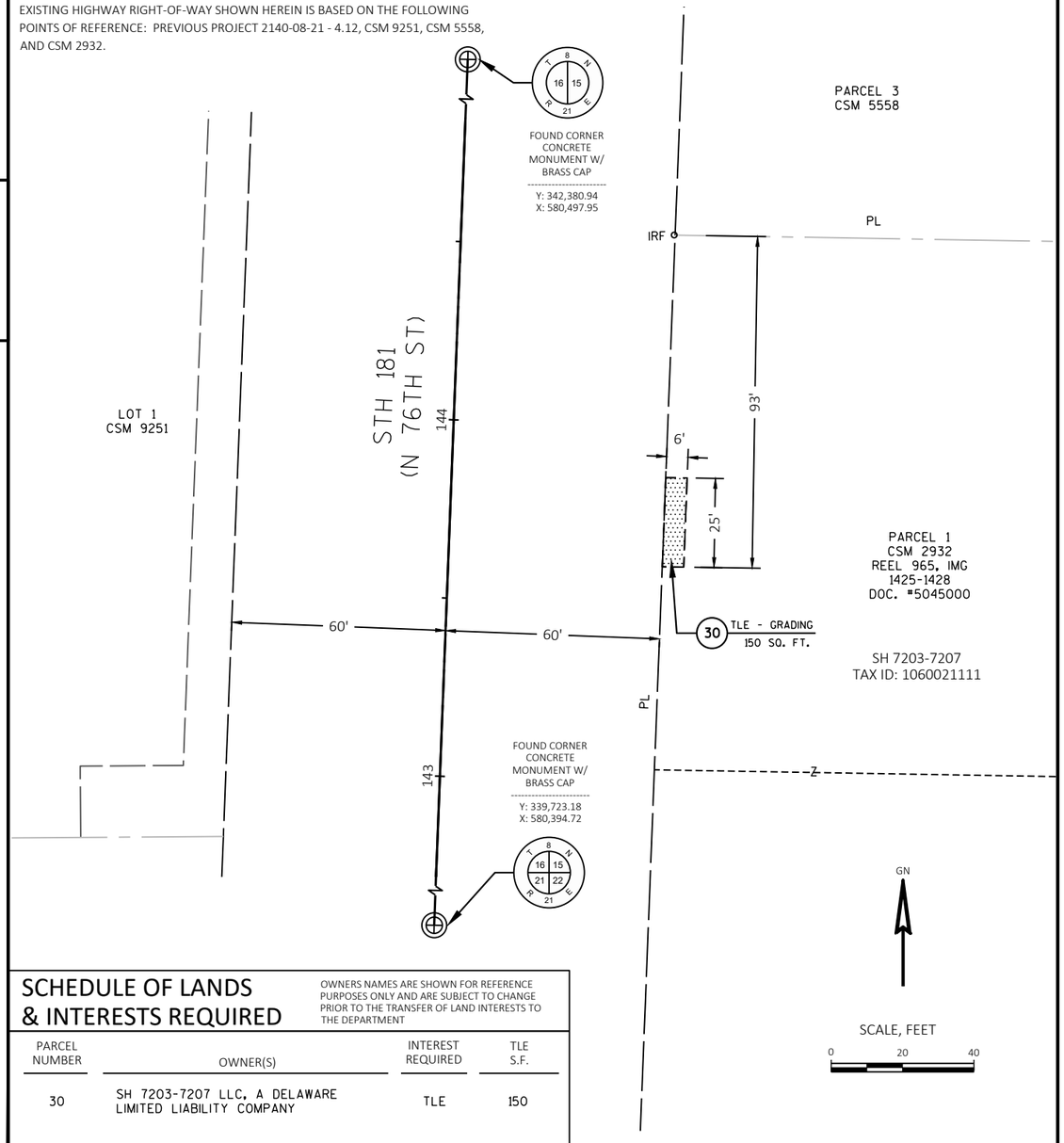
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-21 - 4.12, CSM 9251, CSM 5558, AND CSM 2932.

R/W PROJECT NUMBER: 2140-14-20 | SHEET NUMBER: 4.11

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF PARCEL 1, CSM 2932, RECORDED AS DOC. #5045000 IN REEL 965, IMG. 1425-1428, LOCATED IN THE NW1/4 OF THE SW1/4 OF SECTION 15, T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
30	SH 7203-7207 LLC, A DELAWARE LIMITED LIABILITY COMPANY	TLE	150

NOTES:
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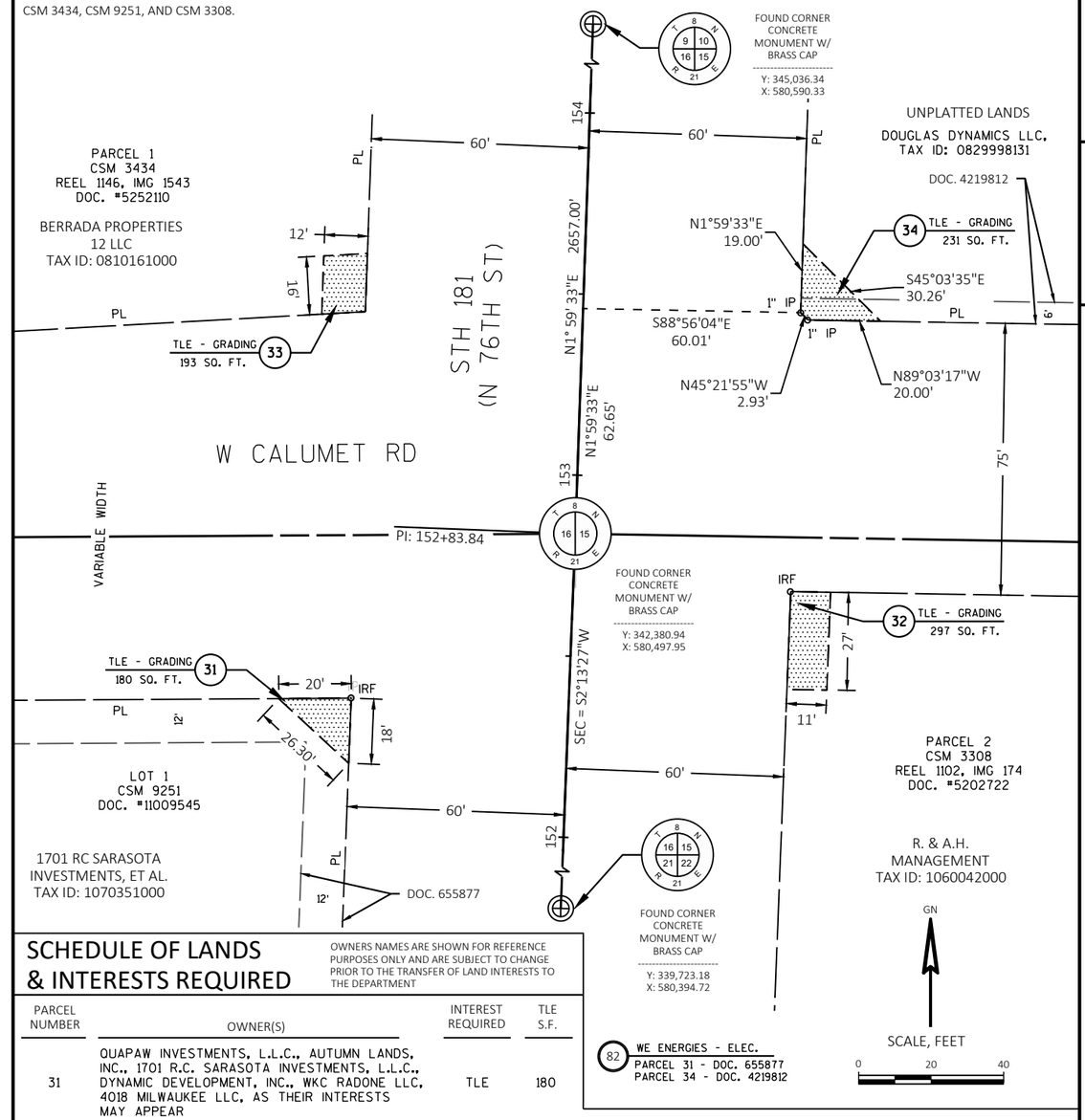
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-21 - 4.12 AND 2140-08-22 - 4.05, CSM 3434, CSM 9251, AND CSM 3308.

R/W PROJECT NUMBER: 2140-14-20 | SHEET NUMBER: 4.12

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF PARCEL 1 OF CSM 3434, RECORDED IN REEL 1146, IMG 1543 AS DOC. #5252110 IN THE SE1/4 OF THE NE1/4, AND PART OF LOT 1 OF CSM 9251, RECORDED AS DOC. #11009545 IN THE NE1/4 OF THE SE1/4, ALL IN SECTION 16; AND PART OF PARCEL 2 OF CSM 3308, RECORDED IN REEL 1102, IMG 174 AS DOC. #5202722 IN THE NW1/4 OF THE SW1/4, AND PART OF THE SW1/4 OF THE NW1/4, ALL IN SECTION 15; ALL LOCATED IN T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
31	QUAPAW INVESTMENTS, L.L.C., AUTUMN LANDS, INC., 1701 R.C. SARASOTA INVESTMENTS, L.L.C., DYNAMIC DEVELOPMENT, INC., WKC RADONE LLC, 4018 MILWAUKEE LLC, AS THEIR INTERESTS MAY APPEAR	TLE	180
32	R. & A.H. MANAGEMENT COMPANY LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	297
33	BERRADA PROPERTIES 12 LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	193
34	DOUGLAS DYNAMICS L.L.C., A DELAWARE LIMITED LIABILITY COMPANY	TLE	231

UTILITY INTERESTS REQUIRED

UTILITY #	UTILITY OWNER(S)	INTEREST REQUIRED
82	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

NOTES:
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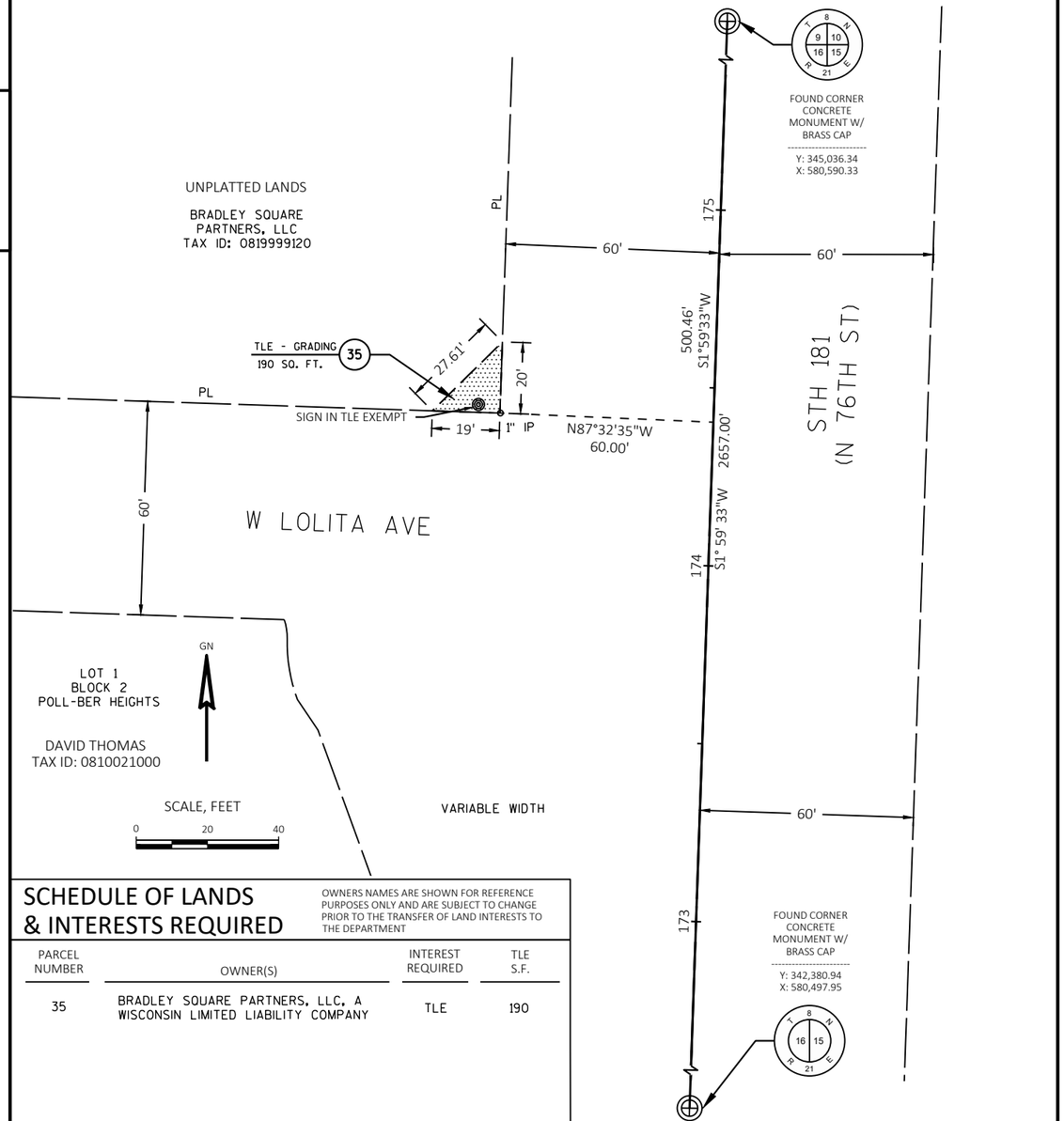
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EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-22 - 4.7 AND BLOCK 2 OF POLL-BER HEIGHTS.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.13

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q
STH 181 MILWAUKEE COUNTY

PART OF THE NE1/4 OF THE NE1/4 OF SECTION 16, T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
35	BRADLEY SQUARE PARTNERS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	190

NOTES:
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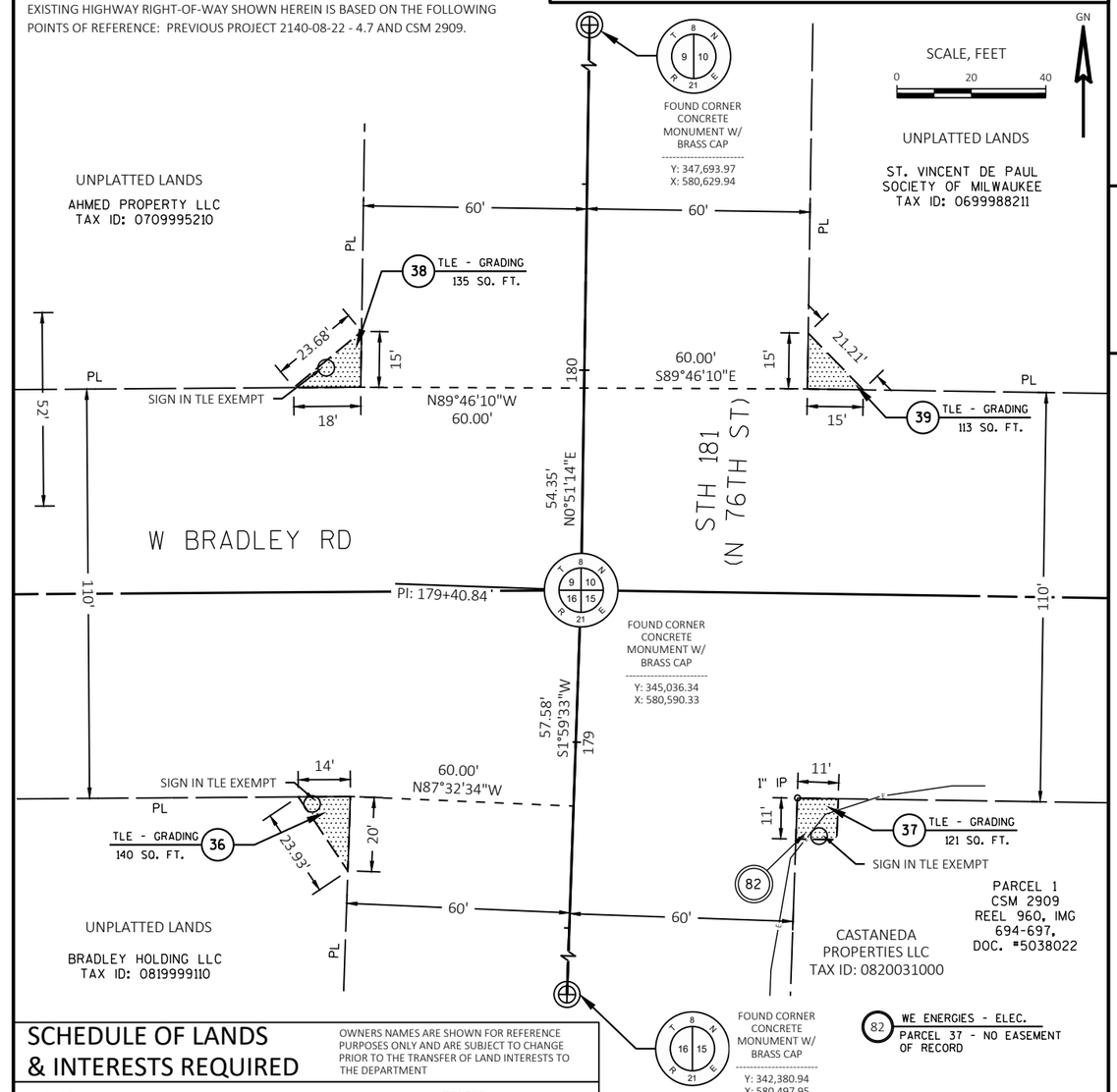
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EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-22 - 4.7 AND CSM 2909.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.14

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q
STH 181 MILWAUKEE COUNTY

PART OF THE SE1/4 OF THE SE1/4 OF SECTION 9, AND PART OF THE SW1/4 OF THE SW1/4 OF SECTION 10, AND PART OF THE NE1/4 OF THE NE1/4 OF SECTION 16, AND PART OF PARCEL 1 OF CSM 2909, RECORDED IN REEL 960, IMG 694-697 AS DOC. #5038022, LOCATED IN THE NW1/4 OF THE NW1/4 OF SECTION 15, ALL LOCATED IN T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
36	BRADLEY HOLDING LLC	TLE	140
37	MARFIN LLC, AS VENDOR, AND CASTANEDA PROPERTIES LLC, AS PURCHASER	TLE	121
38	AHMED PROPERTY LLC	TLE	135
39	ST. VINCENT DE PAUL SOCIETY OF MILWAUKEE	TLE	113

UTILITY INTERESTS REQUIRED

UTILITY #	UTILITY OWNER(S)	INTEREST REQUIRED
82	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

NOTES:
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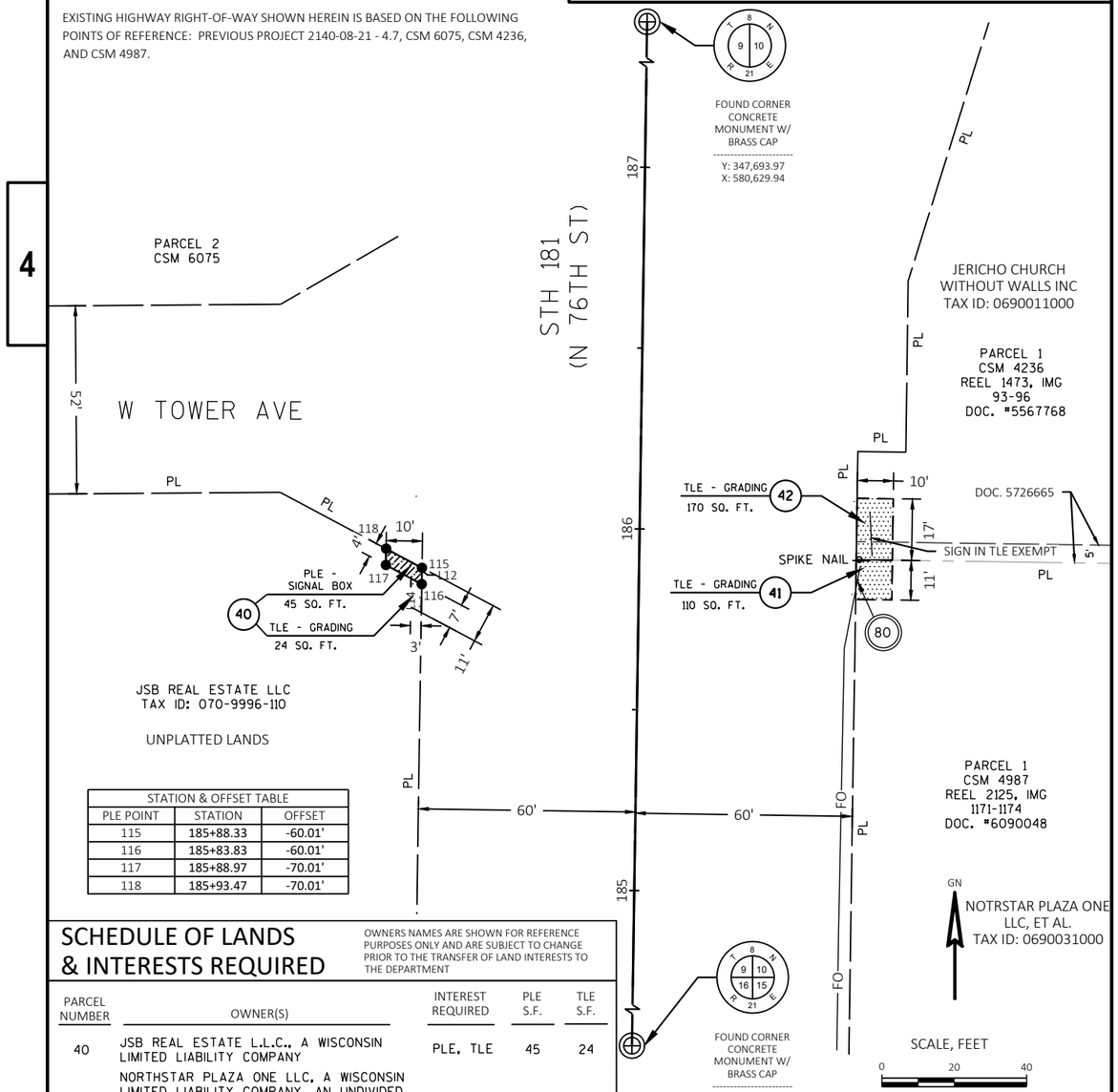
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-21 - 4.7, CSM 6075, CSM 4236, AND CSM 4987.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.15

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF PARCEL 1 OF CSM 4236 RECORDED IN REEL 1473, IMG 93-96 AS DOC. #5567768 AND PARCEL 1 OF CSM 4987, RECORDED IN REEL 2125, IMG 1171-1174 AS DOC. #6090048 ALL IN THE SW1/4 OF THE SW1/4 OF SECTION 10, AND PART OF THE SE1/4 OF THE SE1/4 OF SECTION 9, ALL LOCATED IN T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



STATION & OFFSET TABLE		
PLE POINT	STATION	OFFSET
115	185+88.33	-60.01'
116	185+83.83	-60.01'
117	185+88.97	-70.01'
118	185+93.47	-70.01'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	PLE S.F.	TLE S.F.
40	JSB REAL ESTATE L.L.C., A WISCONSIN LIMITED LIABILITY COMPANY	PLE, TLE	45	24
41	NORTHSTAR PLAZA ONE LLC, A WISCONSIN LIMITED LIABILITY COMPANY, AN UNDIVIDED 50% INTEREST AND NORTHSTAR PLAZA TWO LLC, A WISCONSIN LIMITED LIABILITY COMPANY, AN UNDIVIDED 50% INTEREST	TLE	--	110
42	JERICHO CHURCH WITHOUT WALLS INC, A WISCONSIN CORPORATION	TLE	--	170

UTILITY INTERESTS REQUIRED

UTILITY #	UTILITY OWNER(S)	INTEREST REQUIRED
80	AT&T WISCONSIN	RELEASE OF RIGHTS

80 AT&T WISCONSIN
PARCEL 41 - NO EASEMENT OF RECORD
PARCEL 42 - DOC. 5726665

NOTES:
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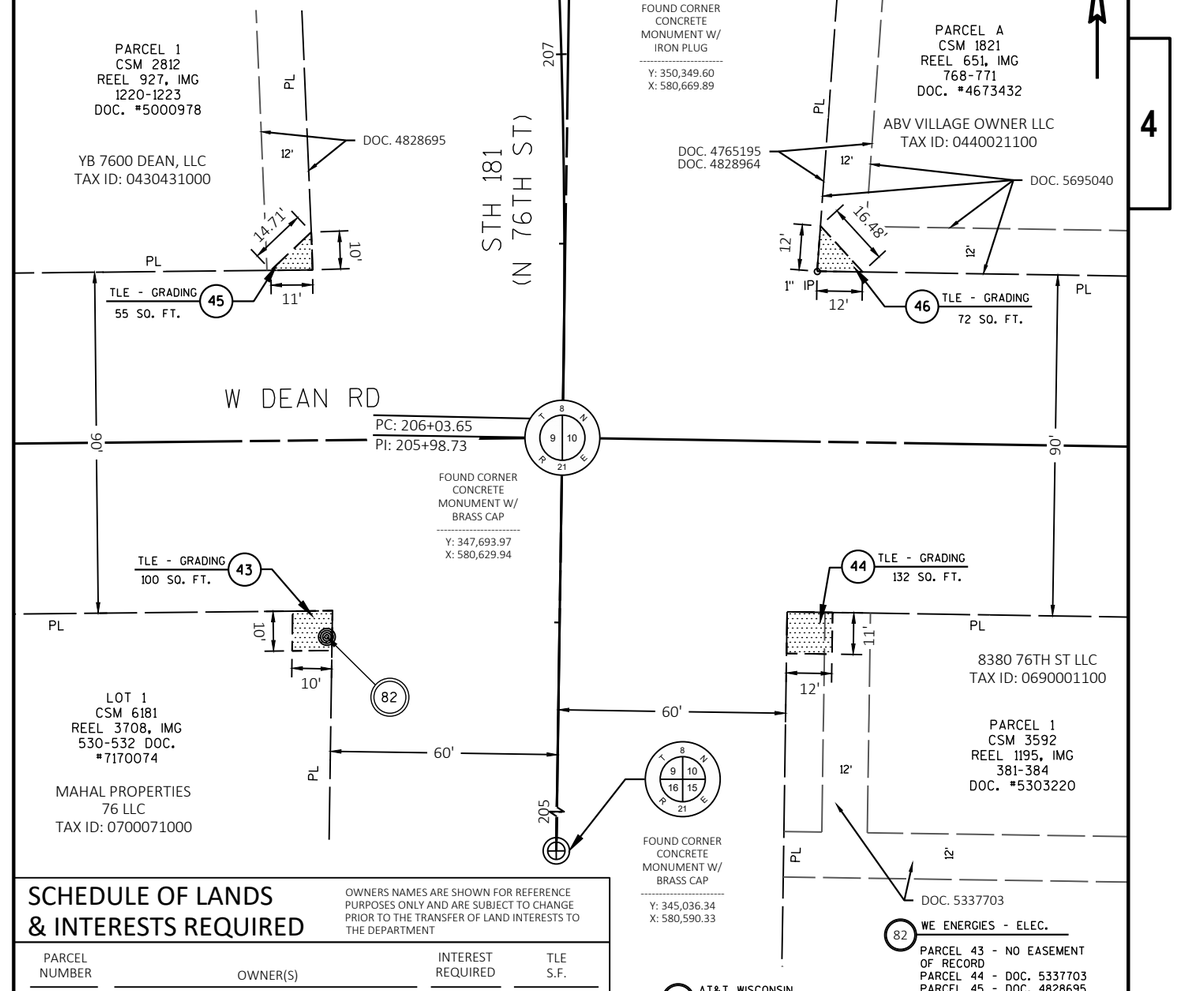
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-21 - 4.8, CSM 1821, CSM 6181, AND CSM 3592.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.16

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF PARCEL 1 OF CSM 2812, RECORDED IN REEL 927, IMG 1220-1223 AS DOC. #5000978 IN THE SE1/4 OF THE NE1/4 AND LOT 1 OF CSM 6181, RECORDED IN REEL 3708, IMG 530-532 AS DOC. #7170074, IN THE NE1/4 OF THE SE1/4, ALL IN SECTION 9; AND PART OF PARCEL A OF CSM 1821, RECORDED IN REEL 651, IMG 768-771 AS DOC. #4673432, IN THE SW1/4 OF THE NW1/4, AND PARCEL 1 OF CSM 3592, RECORDED IN REEL 1195, IMG 381-384 AS DOC. #5303220, IN THE NW1/4 OF THE SW1/4, ALL IN SECTION 10; ALL LOCATED IN T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
43	MAHAL PROPERTIES 76 LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	100
44	8380 76TH ST LLC	TLE	132
45	YB 7600 DEAN, LLC	TLE	55
46	ABV VILLAGE OWNER LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	72

UTILITY INTERESTS REQUIRED

UTILITY #	UTILITY OWNER(S)	INTEREST REQUIRED
80	AT&T WISCONSIN	RELEASE OF RIGHTS
82	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

80 AT&T WISCONSIN
PARCEL 44 - DOC. 5337703
PARCEL 46 - DOC. 4765195
PARCEL 46 - DOC. 5695040

82 WE ENERGIES - ELEC.
PARCEL 43 - NO EASEMENT OF RECORD
PARCEL 44 - DOC. 5337703
PARCEL 45 - DOC. 4828695
PARCEL 46 - DOC. 4765195
PARCEL 46 - DOC. 4828964
PARCEL 46 - DOC. 5695040

4

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

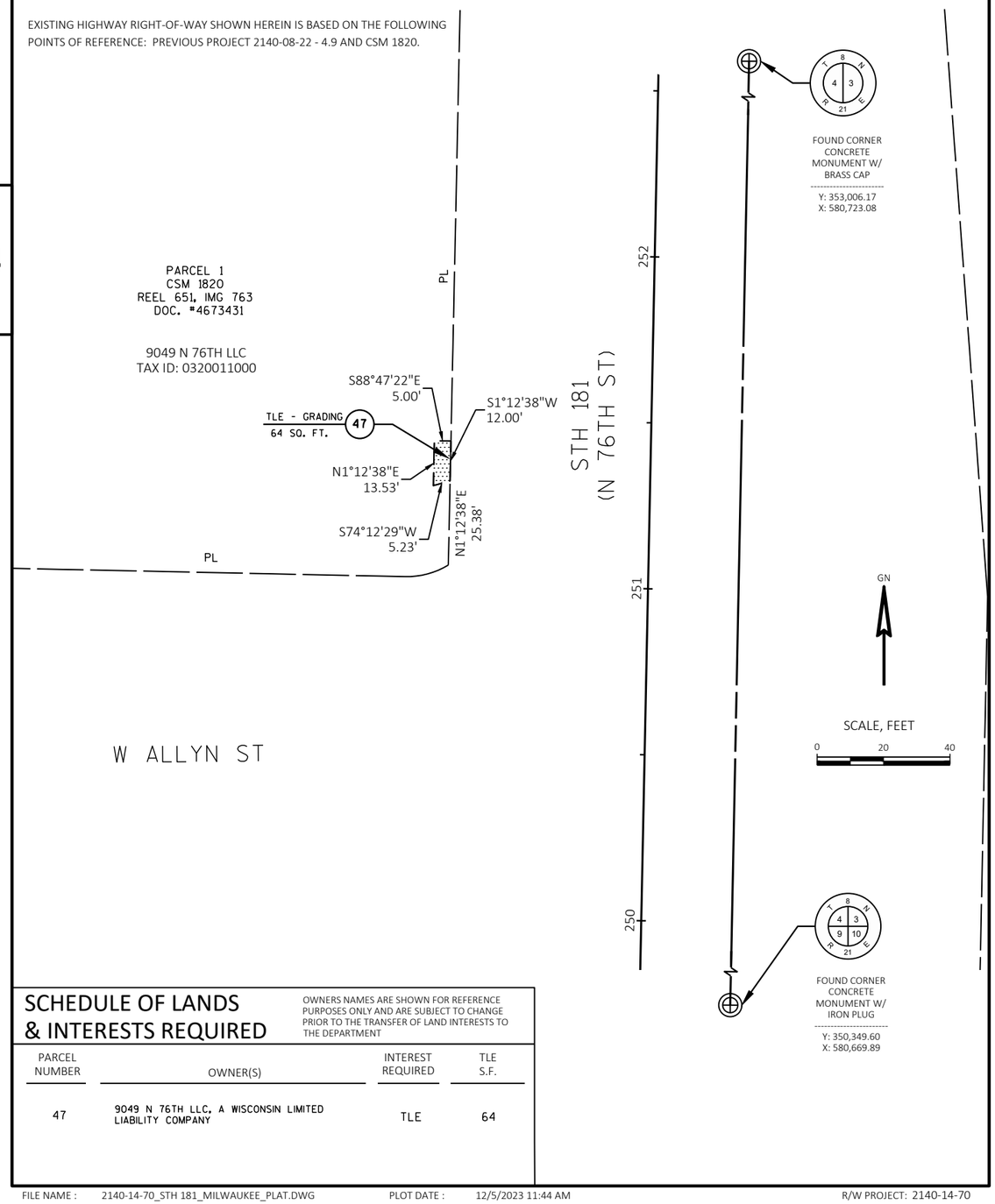
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-22 - 4.9 AND CSM 1820.

R/W PROJECT NUMBER: 2140-14-20 | SHEET NUMBER: 4.17

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF PARCEL 1 OF CSM 1820, RECORDED IN REEL 651, IMG 763 AS DOC. #4673431, LOCATED IN THE NE1/4 OF THE SE1/4 OF SECTION 4, T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
47	9049 N 76TH LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	64

4

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

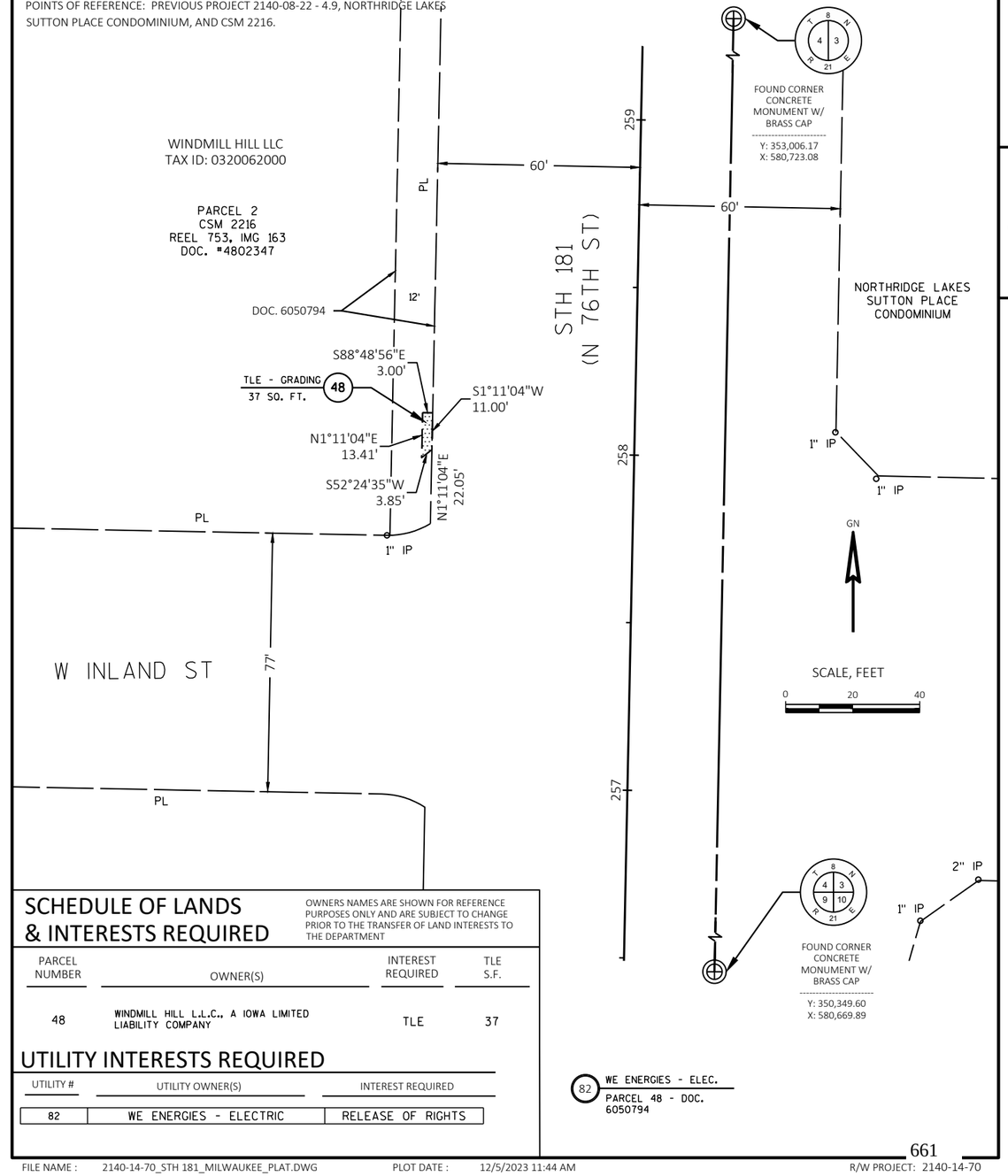
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-22 - 4.9, NORTHRIDGE LAKES SUTTON PLACE CONDOMINIUM, AND CSM 2216.

R/W PROJECT NUMBER: 2140-14-20 | SHEET NUMBER: 4.18

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF PARCEL 2 OF CSM 2216, RECORDED IN REEL 753, IMG 163 AS DOC. #4802347, LOCATED IN THE NE1/4 OF THE SE1/4 OF SECTION 4, T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
48	WINDMILL HILL L.L.C., A IOWA LIMITED LIABILITY COMPANY	TLE	37

UTILITY INTERESTS REQUIRED

UTILITY #	UTILITY OWNER(S)	INTEREST REQUIRED
82	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

82 WE ENERGIES - ELEC.
PARCEL 48 - DOC. 6050794

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

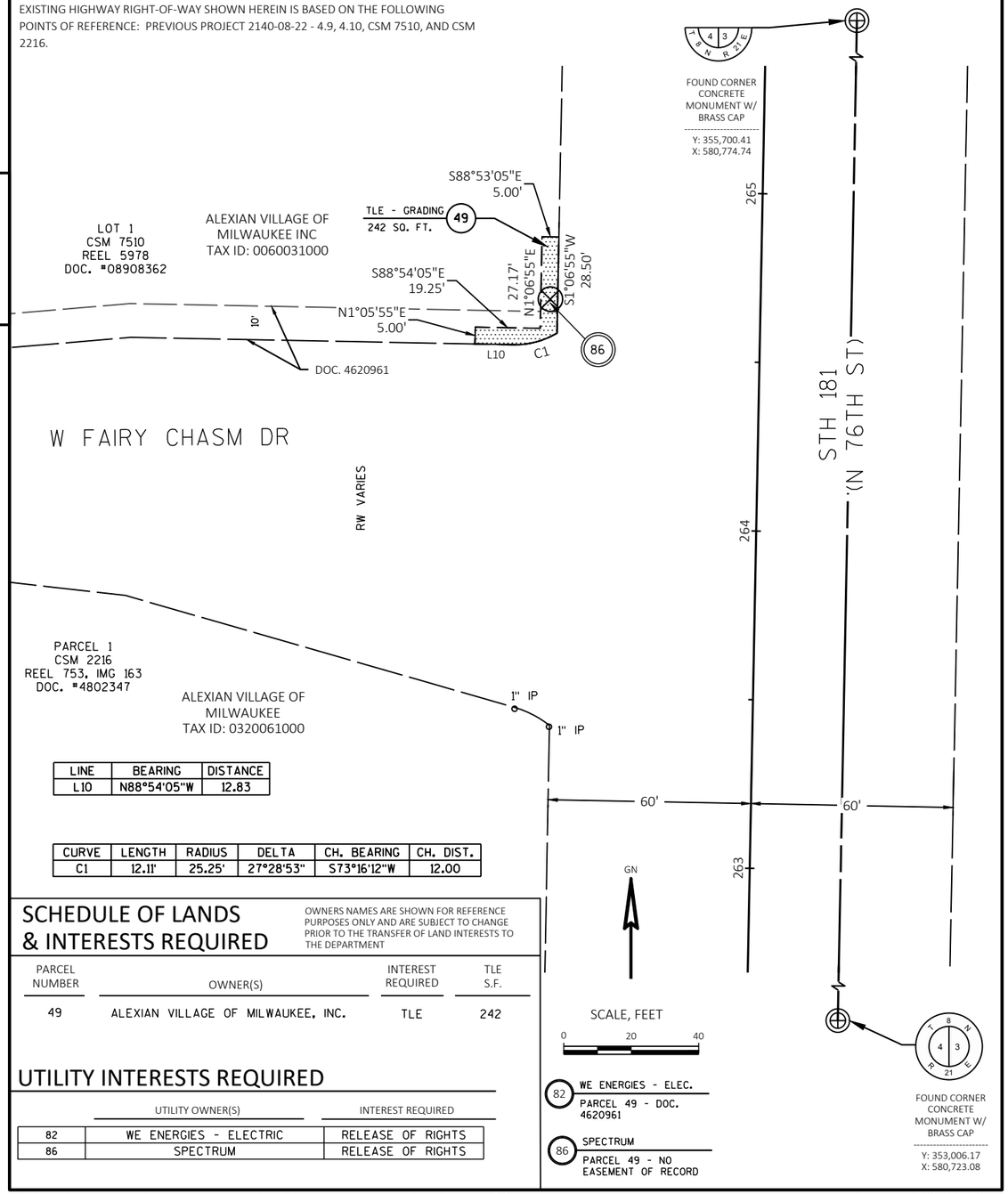
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-22 - 4.9, 4.10, CSM 7510, AND CSM 2216.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.19

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF LOT 1 OF CSM 7510, RECORDED IN REEL 5978 AS DOC. #08908362, AND PARCEL 1 OF CSM 2216, RECORDED IN REEL 753, IMG 163 AS DOC. #4802347, ALL LOCATED IN THE SE1/4 OF THE NE1/4 OF SECTION 4, T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



LINE	BEARING	DISTANCE
L10	N88°54'05"W	12.83

CURVE	LENGTH	RADIUS	DELTA	CH. BEARING	CH. DIST.
C1	12.11'	25.25'	27°28'53"	S73°16'12"W	12.00

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
49	ALEXIAN VILLAGE OF MILWAUKEE, INC.	TLE	242

UTILITY INTERESTS REQUIRED

	UTILITY OWNER(S)	INTEREST REQUIRED
82	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
86	SPECTRUM	RELEASE OF RIGHTS

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

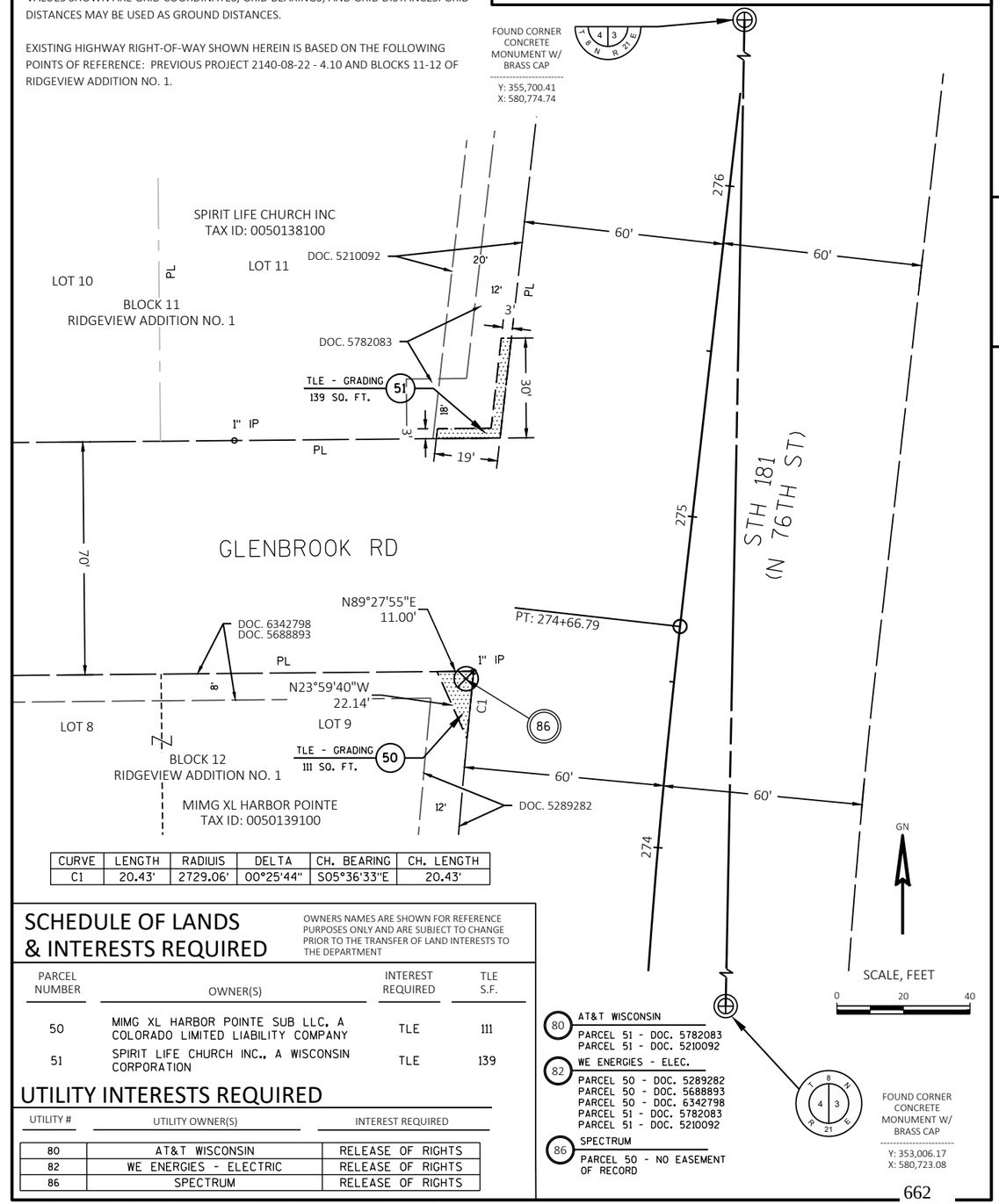
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: PREVIOUS PROJECT 2140-08-22 - 4.10 AND BLOCKS 11-12 OF RIDGEVIEW ADDITION NO. 1.

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.20

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF LOT 9, BLOCK 12 AND PART OF LOT 11, BLOCK 11 OF RIDGEVIEW ADDITION NO. 1, LOCATED IN THE NE1/4 OF THE NE1/4 OF SECTION 4, T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



CURVE	LENGTH	RADIUS	DELTA	CH. BEARING	CH. LENGTH
C1	20.43'	2729.06'	00°25'44"	S05°36'33"E	20.43'

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
50	MIMG XL HARBOR POINTE SUB LLC, A COLORADO LIMITED LIABILITY COMPANY	TLE	111
51	SPIRIT LIFE CHURCH INC., A WISCONSIN CORPORATION	TLE	139

UTILITY INTERESTS REQUIRED

UTILITY #	UTILITY OWNER(S)	INTEREST REQUIRED
80	AT&T WISCONSIN	RELEASE OF RIGHTS
82	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
86	SPECTRUM	RELEASE OF RIGHTS

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MILWAUKEE 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.

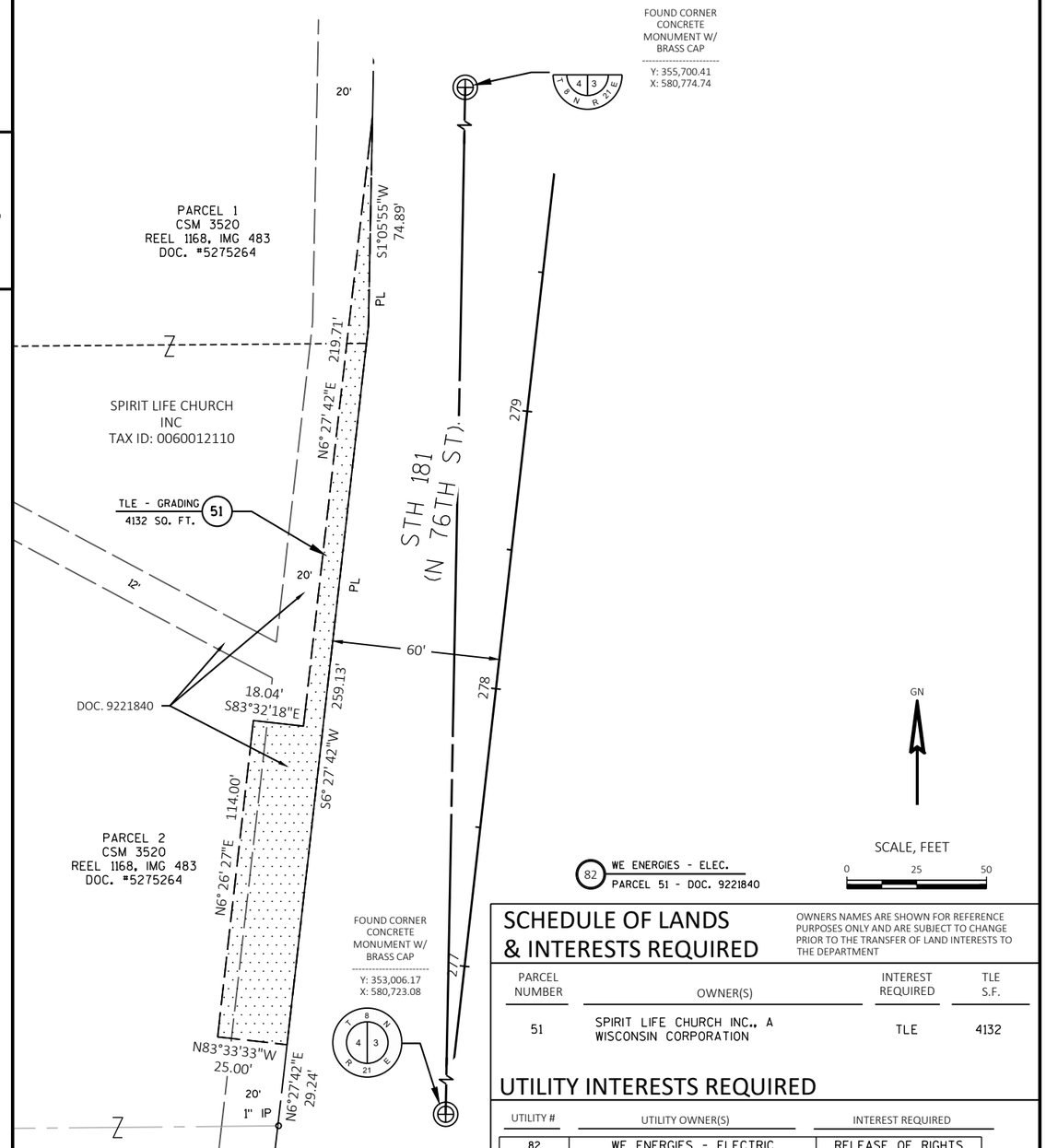
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: CSM 3520

R/W PROJECT NUMBER: 2140-14-20	SHEET NUMBER: 4.21

TLE ACQUISITION EXHIBIT
N 76TH STREET
W FLORIST AVE TO CTH Q

STH 181 — MILWAUKEE COUNTY

PART OF PARCELS 1-2 OF CSM 3520, RECORDED AS REEL 1168, IMG 483, DOC. #5275264, LOCATED IN THE NE1/4 OF THE NE1/4 OF SECTION 4, T-8-N, R-21-E, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
51	SPIRIT LIFE CHURCH INC., A WISCONSIN CORPORATION	TLE	4132

UTILITY INTERESTS REQUIRED

UTILITY #	UTILITY OWNER(S)	INTEREST REQUIRED
82	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

R/W PROJECT NUMBER: XXXX-XX-XX	EXHIBIT NUMBER: NUM

TLE ACQUISITION EXHIBIT
PROJECT TITLE
SUBTITLE

(HWY) — COUNTY COUNTY

1/4-1/4 DESCRIPTION

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY.
REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

GN

SCALE, FEET
0
50
100

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.

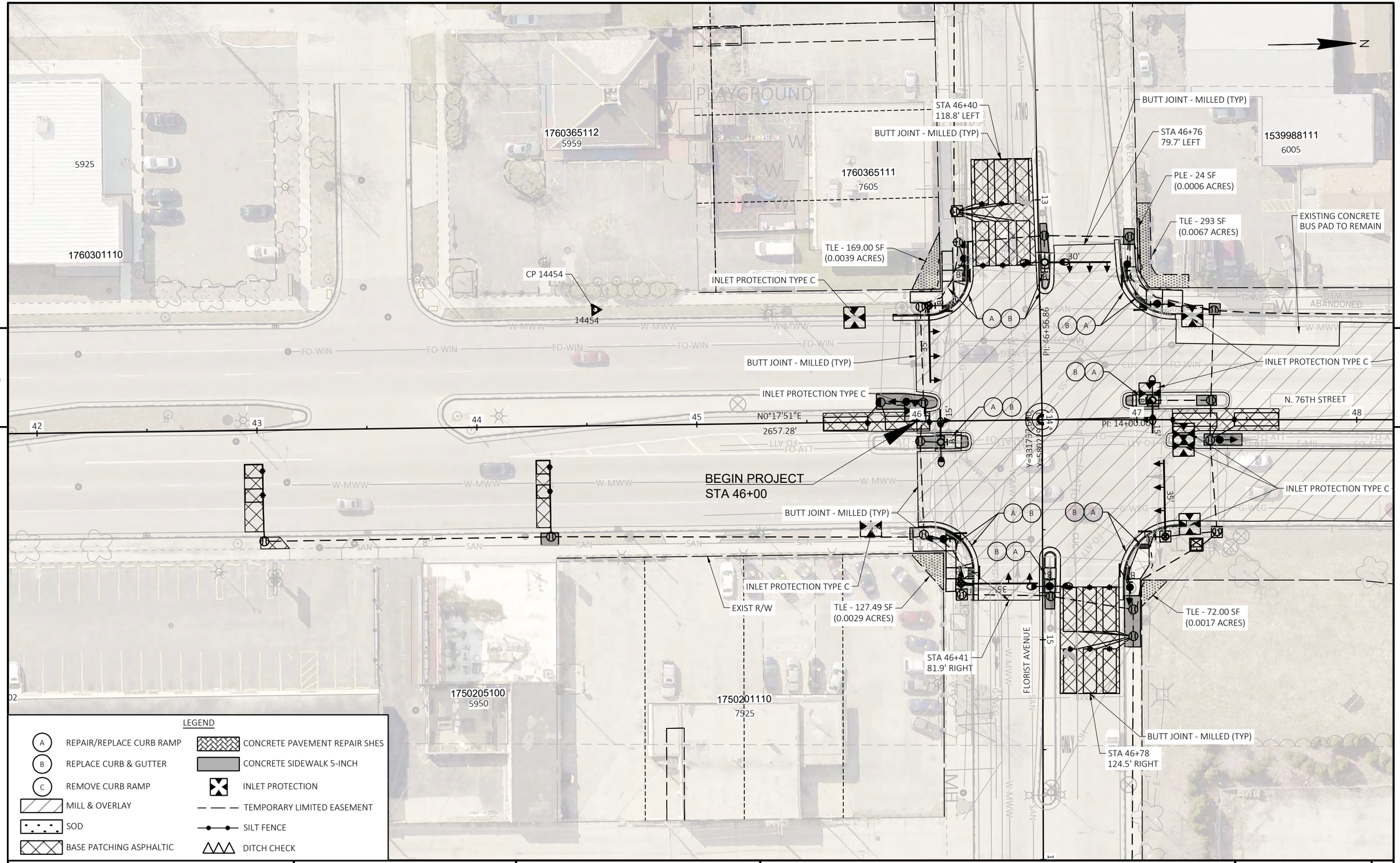
UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED

THIS MAP IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION
REGION AND CITY REGION OFFICE

SIGNATURE: _____ DATE: _____

PRINT NAME:



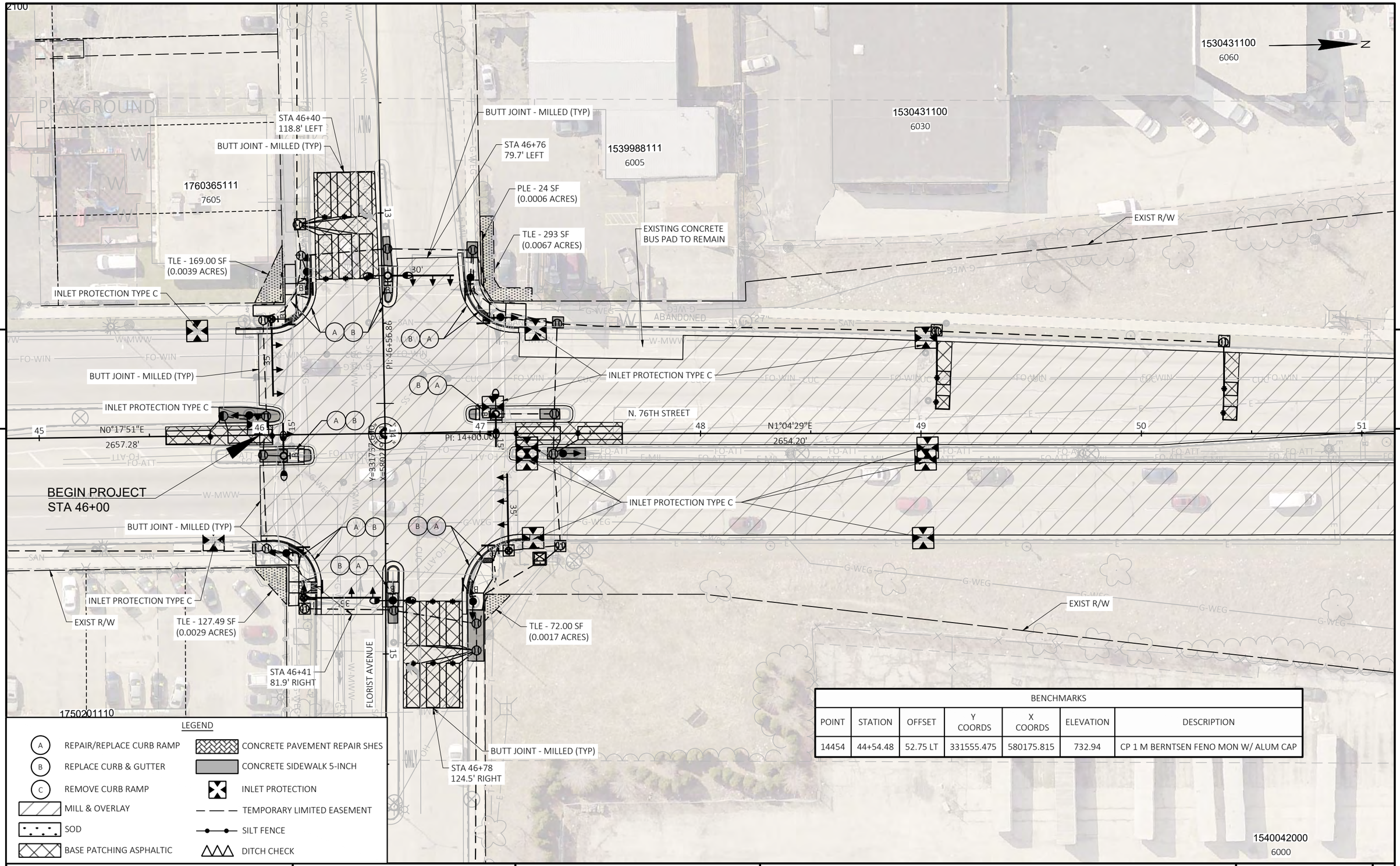
LEGEND

A	REPAIR/REPLACE CURB RAMP		CONCRETE PAVEMENT REPAIR SHES
B	REPLACE CURB & GUTTER		CONCRETE SIDEWALK 5-INCH
C	REMOVE CURB RAMP		INLET PROTECTION
	MILL & OVERLAY		TEMPORARY LIMITED EASEMENT
	SOD		SILT FENCE
	BASE PATCHING ASPHALTIC		DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 664	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 00

PLOT DATE : 7/25/2025 11:53 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT



5 5

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

BENCHMARKS

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
14454	44+54.48	52.75 LT	331555.475	580175.815	732.94	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 665	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 01

PLOT DATE : 7/25/2025 11:53 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

EXIST R/W

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

TLE - 293 SF
(0.0067 ACRES)

PLE - 24 SF
(0.0006 ACRES)

TLE - 72.00 SF
(0.0017 ACRES)

BUTT JOINT - MILLED (TYP.)

BUTT JOINT - MILLED (TYP.)

FLORIST AVENUE

STA 46+76
79.7' LEFT

STA 46+79
124.5' RIGHT

STA 46+40
118.8' LEFT

STA 46+41
81.9' RIGHT

TLE - 169.00 SF
(0.0039 ACRES)

TLE - 127.49 SF
(0.0029 ACRES)

BUTT JOINT - MILLED (TYP.)

BUTT JOINT - MILLED (TYP.)

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

EXIST R/W

BEGIN PROJECT
STA 46+00

EXIST R/W

N 76TH ST

N1°04'29"E 2654.20'

N0°17'51"E 2657.28'

PI STA 44+00.00

N 80229.551
E 331757.690

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 666	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - FLORIST

PLOT DATE : 7/25/2025 11:53 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

1539998100
6103

N

DOUGLAS AVENUE

EXIST R/W

R-40-76
REMOVE & REPLACE FENCE
SEE DETAILS

PLACE FENCE SAFETY DURING REMOVAL &
PLACEMENT OF R-40-76 CHAINLINK FENCE

INLET PROTECTION TYPE C

UNION PACIFIC RAILROAD

EXIST R/W

5

5

51 52 53 N1°04'29"E 2654.20' 54 55 N. 76TH STREET 56 57

INLET PROTECTION TYPE C

BUTT JOINT - MILLED (TYP)
MATCH CONCRETE
APPROACH SLAB

INLET PROTECTION TYPE C

MGS GUARDRAIL TERMINAL EAT

REMOVE & REPLACE GUARDRAIL

MGS GUARDRAIL 3

NET EXCEPTION TO CL LENGTH
STA 53+80 - STA 57+15

5257

+37.22, 48.58' RT

+56.29, 49.99' RT

+81.27, 49.03' RT

+06.25, 48.07' RT

+41.83, 47.29' RT

CONNECT TO EXISTING PARAPET

MGS GUARDRAIL
THRIE BEAM TRANSITION

CP 5257

SLOPE INTERCEPT (TYP)

EXIST R/W

1540011111
6122

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

BENCHMARKS

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
5257	52+57.95	56.04 RT	332357.511	580296.924	750.51	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 667	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 02

PLOT DATE : 7/25/2025 11:53 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

POINT
6321

1539982111
6233

EXIST R/W

INLET PROTECTION TYPE C

BUTT JOINT - MILLED (TYP)
MATCH CONCRETE
APPROACH SLAB

57 58 59 60 61 62 63

N1°04'29"E
2654.20'

N. 76TH STREET

MGS GUARDRAIL THRIE
BEAM TRANSITION

MGS GUARDRAIL 3

MGS GUARDRAIL 3

MGS GUARDRAIL 3K

+00, 33.19' RT

+54.00, 35.66' RT

INLET PROTECTION TYPE C

REMOVE & REPLACE GUARDRAIL

INLET PROTECTION TYPE C

SLOPE INTERCEPT (TYP)

BEGIN MGS GUARDRAIL 3K

CONNECT TO EXISTING PARAPET

EXIST R/W

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

1549973110
6170

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 668	E

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
6321	63+21.43	61.89 LT	333423.013	580198.958	742.72	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

N

1530370100
6267

1530369100
6309

1530365100
6325

CANOPY

CP 6321

6321

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

EXIST R/W

TLE - 94.47SF
(0.0022 ACRES)

INLET PROTECTION TYPE C

5

5

63

64

N1°04'29"E
2654.20'

65

66

N. 76TH STREET

67

68

69

MGS GUARDRAIL 3

MGS GUARDRAIL
TERMINAL TYPE 2

INLET PROTECTION TYPE C

+31.68, 41.51' RT

INLET PROTECTION TYPE C

SLOPE INTERCEPT (TYP)

REMOVE & REPLACE GUARDRAIL

EXISTING CONCRETE BUS PAD TO REMAIN

INLET PROTECTION TYPE C

EXIST R/W

INLET PROTECTION TYPE A

INLET PROTECTION TYPE C

1549988121

549987111
6260

1540071000
6270

1540071000
6300

1540071000
6318

1540002100
6330

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 669	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 04

PLOT DATE : 7/25/2025 11:53 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

N

5

5

WINFIELD AVENUE

BUTT JOINT - MILLED (TYP)

STA 69+54
69' LEFT

TLE - 94.47SF
(0.0022 ACRES)

INLET PROTECTION TYPE C

EXIST R/W

EXISTING CONCRETE BUS PAD TO REMAIN

STA 72+84
136.8' LEFT

BUTT JOINT - MILLED (TYP)

CTH S - MILL ROAD

PLE - 350 SF
(0.0080 ACRES)

INLET PROTECTION TYPE C

BUTT JOINT - MILLED (TYP)

STA 73+36
75.5' LEFT

INLET PROTECTION TYPE C

TLE - 160.30 SF
(0.0037 ACRES)

EXIST R/W

1429984115
7610

N. 76TH STREET

N1°04'29"E
2654.20'

N1°04'56"E
2659.27'

PI: 73+11.06

PI: 105+00.00

Y=334411.53
X=580276.01

69 70 71 72 73 74 75

34 35

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

7113

CP 7113

EXISTING CONCRETE BUS PAD TO REMAIN

TLE - 251.33 SF
(0.0058 ACRES)

EXIST R/W

STA 69+46
99' RIGHT

INLET PROTECTION TYPE C

BUTT JOINT - MILLED (TYP)

INLET PROTECTION TYPE C

TLE - 161.50 SF
(0.0037 ACRES)

STA 72+83
76' RIGHT

BUTT JOINT - MILLED (TYP)

INLET PROTECTION TYPE C

CTH S - MILL ROAD

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

TLE - 157.49 SF
(0.0036 ACRES)

EXIST R/W

STA 73+35
133.6' RIGHT

BUTT JOINT - MILLED (TYP)

1410001112
6404

1540002100
6330

1549983100
6366

CANOPY

BENCHMARKS

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
7113	71+12.82	51.41 RT	334212.136	580327.077	734.50	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 670	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 05

PLOT DATE : 7/25/2025 11:53 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

5

5

EXIST R/W

N 76TH ST

N

INLET PROTECTION TYPE C

TLE - 157.49 SF
(0.0036 ACRES)

TLE - 160.30 SF
(0.0037 ACRES)

INLET PROTECTION TYPE C

BUTT JOINT - MILLED (TYP)

STA 73+36
75.5' LEFT

INLET PROTECTION TYPE C

BUTT JOINT - MILLED (TYP)

STA 73+35
133.6' RIGHT

CTH S - MILL ROAD

INLET PROTECTION TYPE C

STA 72+83
76' RIGHT

BUTT JOINT - MILLED (TYP)

STA 72+84
136.8' LEFT

TLE - 161.50 SF
(0.0037 ACRES)

PLE - 350 SF
(0.0080 ACRES)

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

EXIST R/W

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

CANOPY

FUTURE

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 671	E

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

N

EXIST R/W

N 76TH ST

75

INLET PROTECTION TYPE C

TLE - 157.49 SF
(0.0036 ACRES)

INLET PROTECTION TYPE C

BUTT JOINT - MILLED (TYP)

STA 73+35
133.6' RIGHT

CTH S - MILL ROAD

INLET PROTECTION TYPE C

STA 73+83
76' RIGHT

BUTT JOINT - MILLED (TYP)

TLE - 161.50 SF
(0.0037 ACRES)

INLET PROTECTION TYPE C

EXIST R/W

INLET PROTECTION TYPE C

TLE - 160.30 SF
(0.0037 ACRES)

INLET PROTECTION TYPE C

BUTT JOINT - MILLED (TYP)

STA 73+36
75.5' LEFT

INLET PROTECTION TYPE C

STA 72+84
136.8' LEFT

BUTT JOINT - MILLED (TYP)

PLE - 350 SF
(0.0080 ACRES)

INLET PROTECTION TYPE C

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

N1°04'56"E 2655.27'

N1°04'29"E 2654.20'

PI: 105+00.00

N:230279.310
E:2334411.312

CANOPY

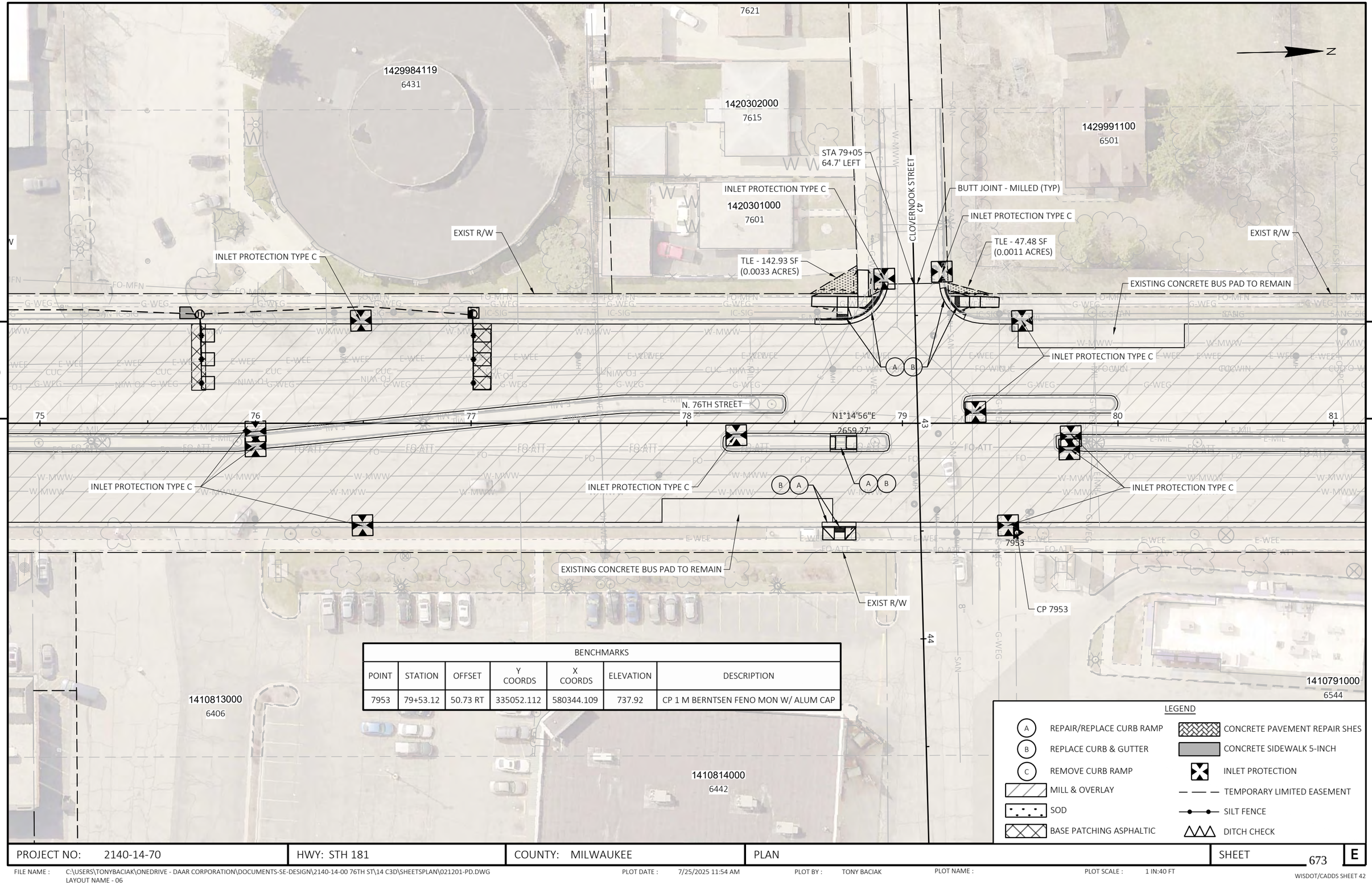
FUTURE

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 672	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - MILL 2

PLOT DATE : 7/25/2025 11:54 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



5

5

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
7953	79+53.12	50.73 RT	335052.112	580344.109	737.92	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 673	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 06

PLOT DATE : 7/25/2025 11:54 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

1429985112
7801

BUTT JOINT - MILLED (TYP)

STA 86+37
117.8' LEFT

INLET PROTECTION TYPE C

PLE - 82 SF
(0.0019 ACRES)

TLE - 30 SF
(0.0007 ACRES)

ACACIA STREET

INLET PROTECTION TYPE C

TLE - 178.43 SF
(0.0041 ACRES)

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

81 82 N1°14'56"E 2659.27' 83 N. 76TH STREET 84 85 86 87

PI 11+00.41

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

EXISTING CONCRETE BUS PAD TO REMAIN

TLE - 121.00 SF
(0.0028 ACRES)

EXIST R/W

TLE - 143.00 SF
(0.0033 ACRES)

1410791000
6544

1410781100
6550

14100021
6574

BUTT JOINT - MILLED (TYP)

STA 86+41
110.8' RIGHT

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 674	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 07

PLOT DATE : 7/25/2025 11:54 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

N

N 76TH ST

EXIST R/W

CP 8721

EXIST R/W

TLE - 178.43 SF
(0.0041 ACRES)

INLET PROTECTION TYPE C

BUTT JOINT - MILLED (TYP)

ACACIA STREET

STA 86+38
117.8' LEFT

BP: 8+50.00

TLE - 143.00 SF
(0.0033 ACRES)

STA 86+41
110.8' RIGHT

BUTT JOINT - MILLED (TYP)

EP: 14+90.37

PLE - 82 SF
(0.0019 ACRES)

TLE - 30 SF
(0.0007 ACRES)

INLET PROTECTION TYPE C

TLE - 121.00 SF
(0.0028 ACRES)

INLET PROTECTION TYPE C

EXIST R/W

EXIST R/W

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 675	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - ACACIA

PLOT DATE : 7/25/2025 11:54 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

1420118100
6600

1420116100
6626

1420114100
6646

1420112100
6666

1420110100
6676

N

TLE - 178.43 SF
(0.0041 ACRES)

EXISTING CONCRETE BUS PAD TO REMAIN

INLET PROTECTION TYPE C

EXIST R/W

INLET PROTECTION TYPE C

5

5

87 88 89 90 91 92 93

N1°14'56"E
2659.27'

N. 76TH STREET

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

8721

TLE - 143.00 SF
(0.0033 ACRES)

CP 8721

EXIST R/W

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
8721	87+20.96	51.28 RT	335819.762	580361.395	739.67	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

1410048100

1410037110
6635

1410035100
6659

1410033100
6703

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 676	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 08

PLOT DATE : 7/25/2025 11:54 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

1420108100
6706

1420106100
6726

1420104100
6744

1420101100
6754

N

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

CP 9571

9571

N1°14'56"E
2659.27'

N. 76TH STREET

93 94 95 96 97 98 99

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

EXISTING CONCRETE BUS PAD TO REMAIN

EXIST R/W

5

5

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
9571	95+71.45	0.03 RT	336671.166	580328.693	736.52	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

1410033100

1410032100

1410031100
6725

1410029110
6735

1419998111
6764

1410771000
6770

1410772100
7501

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 677	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 09

PLOT DATE : 7/25/2025 11:54 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

INLET PROTECTION TYPE C
BUTT JOINT - MILLED (TYP)
STA 99+68
112.2' LEFT
TLE - 71.97 SF
(0.0017 ACRES)
GREEN TREE ROAD
INLET PROTECTION TYPE C
TLE - 149.94 SF
(0.0034 ACRES)
EXISTING CONCRETE BUS PAD TO REMAIN
EXIST R/W
INLET PROTECTION TYPE C
INLET PROTECTION TYPE C
INLET PROTECTION TYPE C
INLET PROTECTION TYPE C
INLET PROTECTION TYPE C
INLET PROTECTION TYPE C
TLE - 204.00 SF
(0.0047 ACRES)
TLE - 98.00 SF
(0.0022 ACRES)
STA 99+76
111' RIGHT
BUTT JOINT - MILLED (TYP)
EXIST R/W
CP 10354
N. 76TH STREET
N1°14'23"E
2653.82'
PI: 99+70.33
PI: 12+00.08
Y=337070.03
X=580378.12
BASKETBALL COURT
CANOPY
VACUUM
PLAYGROUND
WALLS
1180273000
6829
1180272000
6835
1180271000
6863
1410772100
7501
1199996222
6800
10354
99
100
101
102
103
104
105
30'
35'
11'
13'

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
10354	103+53.59	52.71 RT	337451.982	580398.349	735.79	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 678	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 10
PLOT DATE : 7/25/2025 11:54 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

EXIST R/W

EXIST R/W

N 76TH ST

N1°14'23"E 2653.82'

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

TLE - 149.94 SF
(0.0034 ACRES)

TLE - 204.00 SF
(0.0047 ACRES)

INLET PROTECTION TYPE C

STA 99+76
111' RIGHT

STA 99+68
112.2' LEFT

GREEN TREE ROAD

BUTT JOINT - MILLED (TYP)

BUTT JOINT - MILLED (TYP)

INLET PROTECTION TYPE C

TLE - 71.97 SF
(0.0017 ACRES)

TLE - 98.00 SF
(0.0022 ACRES)

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

EXIST R/W

35'

30'

99

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 679	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - GREEN TREE

PLOT DATE : 7/25/2025 11:55 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

DENVER AVENUE

INLET PROTECTION TYPE C

STA 106+31
76.5' LEFT

BUTT JOINT - MILLED (TYP)

INLET PROTECTION TYPE C

TLE - 123.96 SF
(0.0028 ACRES)

PLACE CONCRETE SIDEWALK REAR DOOR BUS LANDING

EXISTING CONCRETE BUS PAD TO REMAIN

EXIST R/W

TLE - 53.98 SF
(0.0012 ACRES)

EXIST R/W

1180231000
7630

1180263000
6925

1180262000
6935

1180261000
6937

1180142000
6939

N

5

5

INLET PROTECTION TYPE C

N. 76TH STREET

105 106 107 108 109 110 111

N1°14'22"E
2653.62

INLET PROTECTION TYPE C

TLE - 151.00 SF
(0.0035 ACRES)

REPLACE CONCRETE SIDEWALK BUS LANDING

EXISTING CONCRETE BUS PAD TO REMAIN

TLE - 134.78 SF
(0.0031 ACRES)

EXIST R/W

1190031000
6920

1190021000
6900

1190032000
6930

1190041100
6940

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 680	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 11

PLOT DATE : 7/25/2025 11:55 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

1180141000
6945

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

5

5

111 112 113 N1°14'23"E 2653.82' 114 115 116 117

N. 76TH STREET

11126

CP 11126

EXIST R/W

STOCK PILE

WISCONSIN & SOUTHERN RAILROAD

1199990120
7016

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
11126	111+26.47	49.95 RT	338224.736	580412.307	733.62	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 681	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 12

PLOT DATE : 7/25/2025 11:55 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

N

1189995111
7101

1189992200
7111

1189991200
7125

WAVETRONIX CONTINUOUS COUNT SITE TO REPLACE EXISTING LOOP SITE AT STA 120+25, LT. NEW LOCATION AT STA 117+50 +/- TO BE FIELD VERIFIED. EQUIPMENT AND LABOR TO BE SUPPLIED BY WISDOT. CONTACT RUSSELL LEWIS.

EXISTING CONTINUOUS COUNT SITE TO BE RELOCATED. LOOPS IN PAVEMENT TO BE ABANDONED. REUSE EXISTING HARDWARE AS APPROPRIATE.

NOTE TO REVIEWER:
LEFT TURN LANE MEDIAN RESTRICTION APPROVED BY WISDOT TRAFFIC OPERATIONS

INLET PROTECTION TYPE C

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

5

5

117 118 N1°14'23"E 2653.82' 119 120 121 122 123

N. 76TH STREET

REMOVE PAVEMENT AND RESTORE MEDIAN (SOD)

11927

CP 11927

EXIST R/W

TLE - 92.98 SF
(0.0021 ACRES)

EXIST R/W

TLE - 1898.79 SF
(0.0371 ACRES)

BUTT JOINT - MILLED (TYP)

STA 120+72
76.5' RIGHT

MONARCH COMPANY DRIVEWAY

PICK N' SAVE DRIVEWAY

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
11927	119+27.50	50.21 RT	339025.576	580429.898	731.56	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

1199991211
7050

MCDONALD'S
1190013000
7130

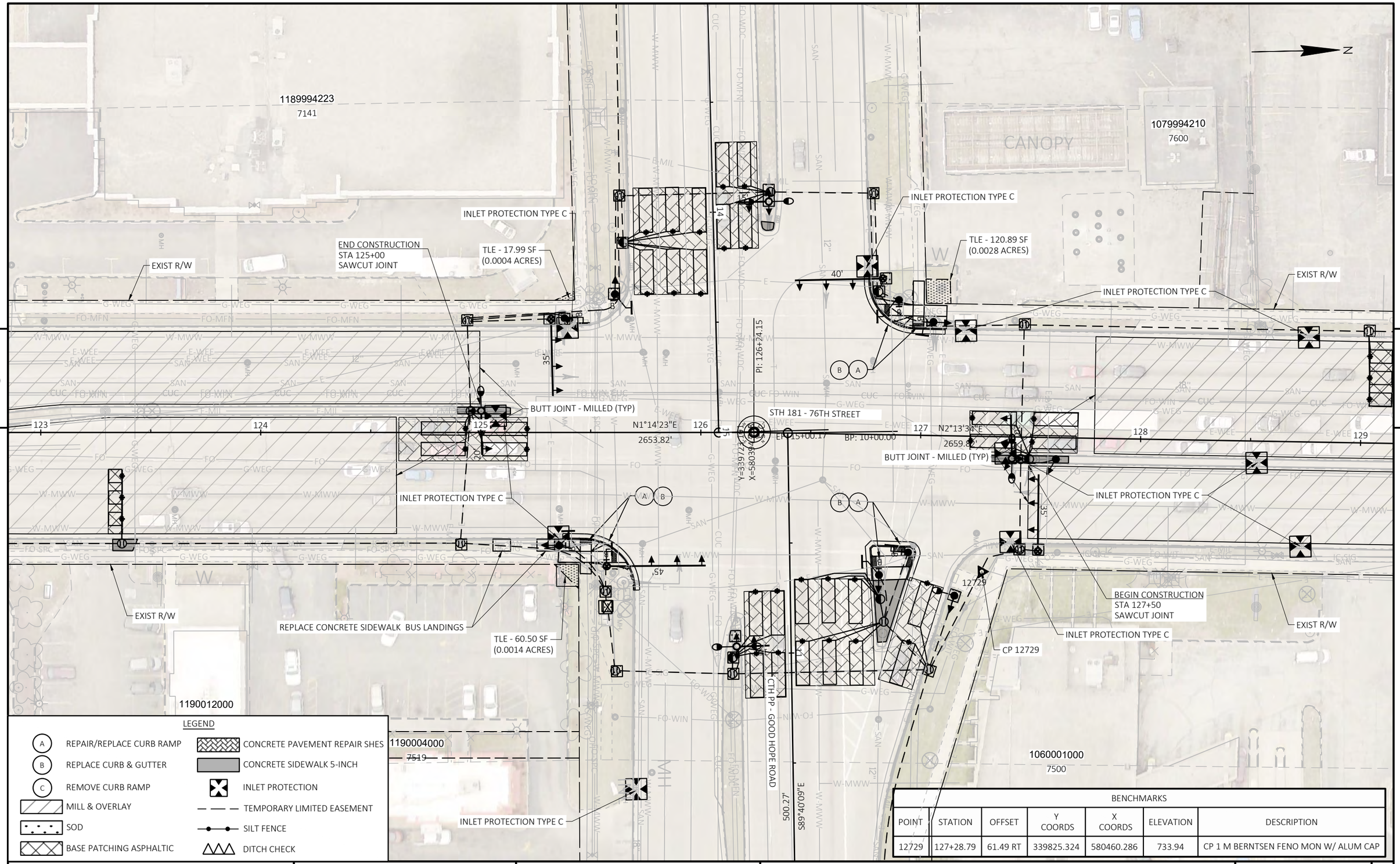
55.08'

11190061000
7401

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 682	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 13

PLOT DATE : 7/25/2025 11:55 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT



BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
12729	127+28.79	61.49 RT	339825.324	580460.286	733.94	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 683	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 14
PLOT DATE : 7/25/2025 11:55 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

5

5

EXIST R/W

INLET PROTECTION TYPE C

CANOPY

INLET PROTECTION TYPE C

TLE - 120.89 SF
(0.0028 ACRES)

INLET PROTECTION TYPE C

GOOD HOPE RD

BUTT JOINT - MILLED (TYP)

EXIST R/W

CP 12729

N

35'

40'

12"

N2°13'32"E
2659.82'

N1°14'23"E
2653.82'

BP: 10+00.00

EP: 15+60.17

45'

35'

20'

INLET PROTECTION TYPE C

TLE - 17.99 SF
(0.0004 ACRES)

INLET PROTECTION TYPE C

TLE - 60.50 SF
(0.0014 ACRES)

INLET PROTECTION TYPE C

EXIST R/W

BUTT JOINT - MILLED (TYP)

EXIST R/W

N 76TH ST

LEGEND

A	REPAIR/REPLACE CURB RAMP		CONCRETE PAVEMENT REPAIR SHES
B	REPLACE CURB & GUTTER		CONCRETE SIDEWALK 5-INCH
C	REMOVE CURB RAMP		INLET PROTECTION
	MILL & OVERLAY		TEMPORARY LIMITED EASEMENT
	SOD		SILT FENCE
	BASE PATCHING ASPHALTIC		DITCH CHECK

PROJECT NO: 2140-14-70	HWY: CTH PP	COUNTY: MILWAUKEE	PLAN	SHEET 684 E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - GOOD HOPE 1

PLOT DATE : 7/25/2025 11:55 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : ##########

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
12729	127+28.79	61.49 RT	339825.324	580460.286	733.94	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

N

INLET PROTECTION TYPE C

CP 12729

1060001000
7500

1060013000
7420

N 76TH ST

BUTT JOINT - MILLED (TYP)

N2°13'38"E
2659.87'

BP: 10+00.00'

STH 181 - 76TH STREET

EP: 15+00.27'

S89°40'09"E
500.27'

CTH PP - GOOD HOPE ROAD

580394.738
339723.191

N1°14'23"E
2653.82'

INLET PROTECTION TYPE C

TLE - 60.50 SF
(0.0014 ACRES)

INLET PROTECTION TYPE C

1190004000
7519

1190011000
7515

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: CTH PP	COUNTY: MILWAUKEE	PLAN	SHEET 685	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - GOOD HOPE 2

PLOT DATE : 7/25/2025 11:55 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

1070202100
7225

1070203000
7259

1079995224
7313

RIPRAP

N

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

5

5

129 130 131 132 133 134 135

N2° 13' 34"E
2659.82'

N. 76TH STREET

EXIST R/W

WALLS

1060011000
7250

1069988112
7272

1069989212
7330

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 686 E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 15

PLOT DATE : 7/25/2025 11:55 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

1070211000
7619

1070101000
7377

1079998221
7411

N

STA 137+36
70.6' LEFT

CLINTON AVENUE

INLET PROTECTION TYPE C

BUTT JOINT - MILLED (TYP)

INLET PROTECTION TYPE C

TLE - 180.33 SF
(0.0041 ACRES)

REPLACE CONCRETE SIDEWALK BUS LANDING
(EXISTING FILLED WITH ASPHALT)

EXISTING CONCRETE BUS PAD TO REMAIN

EXIST R/W

TLE - 188.82 SF
(0.0043 ACRES)

EXIST R/W

5

5

INLET PROTECTION TYPE C

135 136 137 138 139 140 141

N2°13'24"E
2659.82

N. 76TH STREET

INLET PROTECTION TYPE C

13531

CP 13531

EXISTING CONCRETE BUS PAD TO REMAIN

INLET PROTECTION TYPE C

REPLACE CONCRETE SIDEWALK BUS LANDING
(EXISTING FILLED WITH ASPHALT)

TLE - 150.00 SF
(0.0034 ACRES)

TLE - 150.00 SF
(0.0034 ACRES)

EXIST R/W

INLET PROTECTION TYPE C

1069989111
7350

BENCHMARKS

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
13531	135+31.11	49.75 RT	340627.494	580479.723	735.80	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 687	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 16

PLOT DATE : 7/25/2025 11:56 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

1079998221
7411

1070351000
7701

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

EXIST R/W

INLET PROTECTION TYPE C

CP 14342

141 142 N2°13'34"E 2659.82' 143 144 145 146 147

14342

N. 76TH STREET

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

A B

INLET PROTECTION TYPE C

TLE - 126.49 SF
(0.0029 ACRES)

EXIST R/W

1060123000
7500

5

5

LEGEND

A	REPAIR/REPLACE CURB RAMP		CONCRETE PAVEMENT REPAIR SHES
B	REPLACE CURB & GUTTER		CONCRETE SIDEWALK 5-INCH
C	REMOVE CURB RAMP		INLET PROTECTION
	MILL & OVERLAY		TEMPORARY LIMITED EASEMENT
	SOD		SILT FENCE
	BASE PATCHING ASPHALTIC		DITCH CHECK

BENCHMARKS

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
14342	143+42.26	5.83 RT	341439.734	580467.341	745.98	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 688 E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 17

PLOT DATE : 7/25/2025 11:56 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

N

BUTT JOINT - MILLED (TYP)

STA 152+73
112.4' LEFT

EXIST R/W

TLE - 179.82 SF
(0.0041 ACRES)

73'

35'

PI: 152+83.97

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

147 148 149 150 151 152 153

N. 76TH STREET

N2°13'34"E
2659.82'

INLET PROTECTION TYPE C

CP 15137

15137

INLET PROTECTION TYPE C

EXISTING CONCRETE BUS PAD TO REMAIN

TLE - 297.47 SF
(0.0068 ACRES)

EXIST R/W

Y=342380.
X=580442.

25'

75'

CALUMET ROAD

STA 153+10
132.8' RIGHT

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
15137	151+36.57	50.89 RT	342231.692	580543.228	760.84	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

1060042000
7550

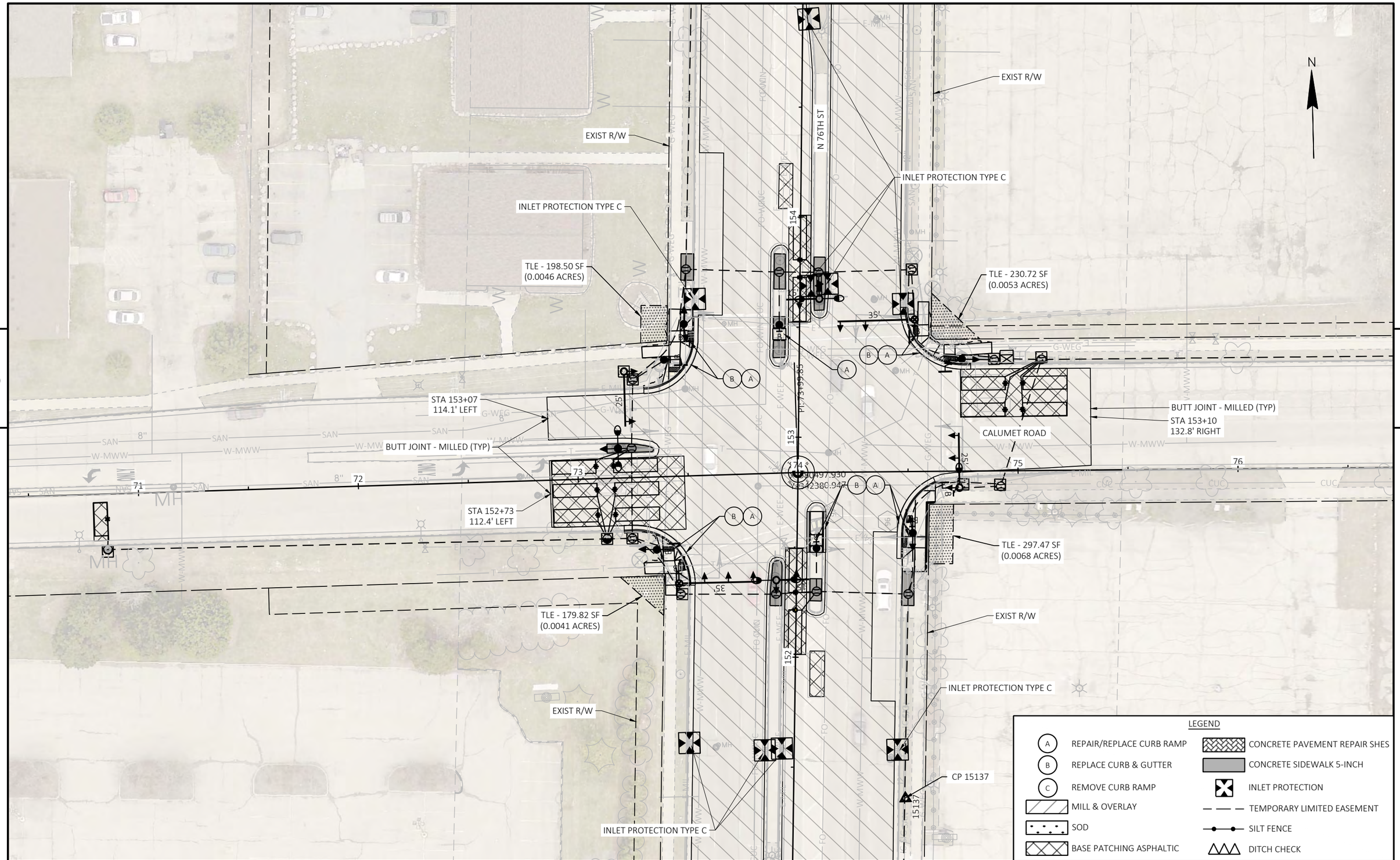
5 5

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 689	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 18

PLOT DATE : 7/25/2025 11:56 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 690	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CALUMET 1

PLOT DATE : 7/25/2025 11:56 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

N

N 76TH ST

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

TLE - 198.50 SF
(0.0046 ACRES)

TLE - 230.72 SF
(0.0053 ACRES)

35'

STA 153+07
114.1' LEFT

BUTT JOINT - MILLED (TYP)

BUTT JOINT - MILLED (TYP)
STA 153+10
132.8' RIGHT

CALUMET ROAD

STA 152+73
112.4' LEFT

TLE - 297.47 SF
(0.0068 ACRES)

TLE - 179.82 SF
(0.0041 ACRES)

INLET PROTECTION TYPE C

CP 15137

INLET PROTECTION TYPE C

LEGEND

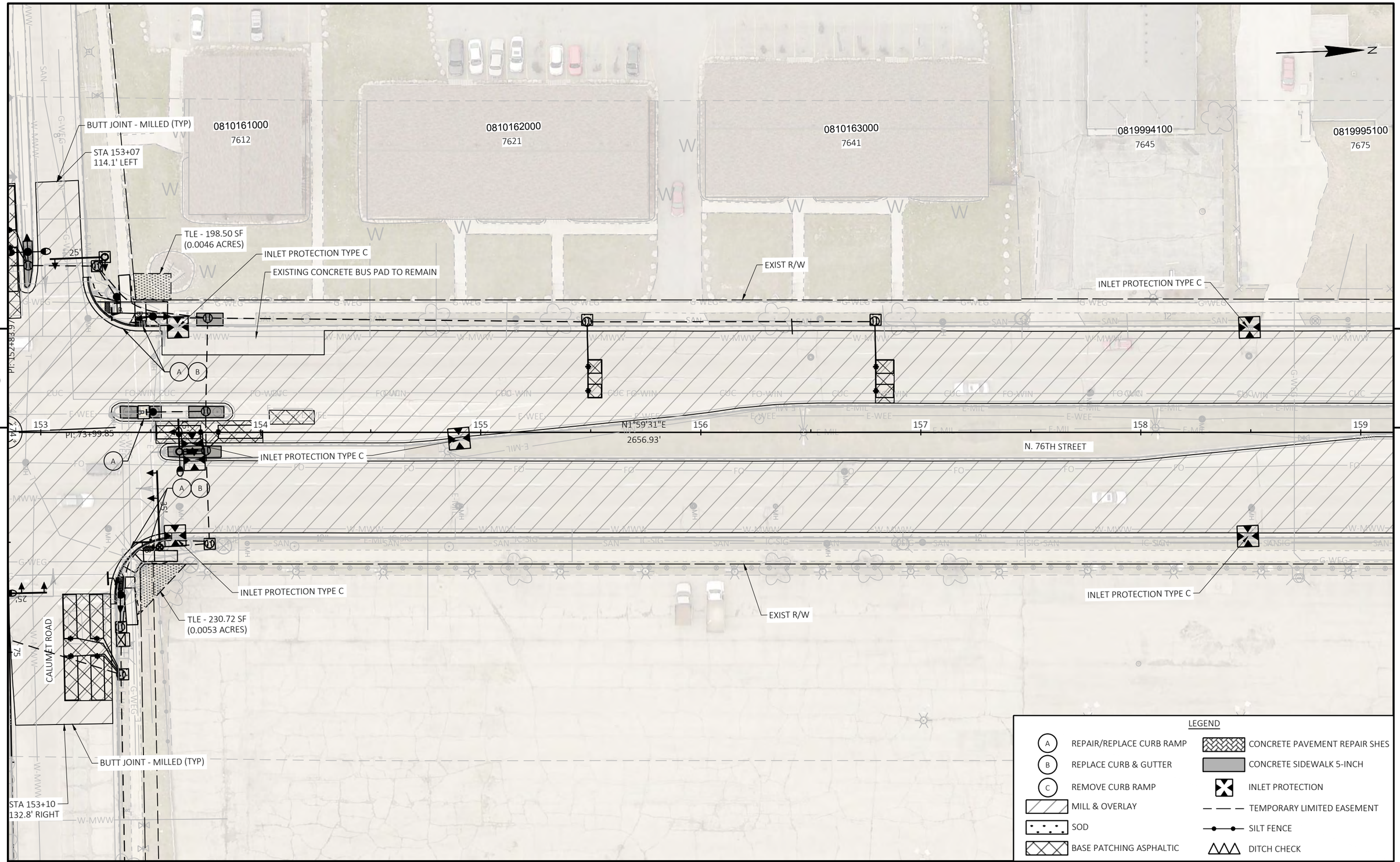
A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 691	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - CALUMET 2

PLOT DATE : 7/25/2025 11:56 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



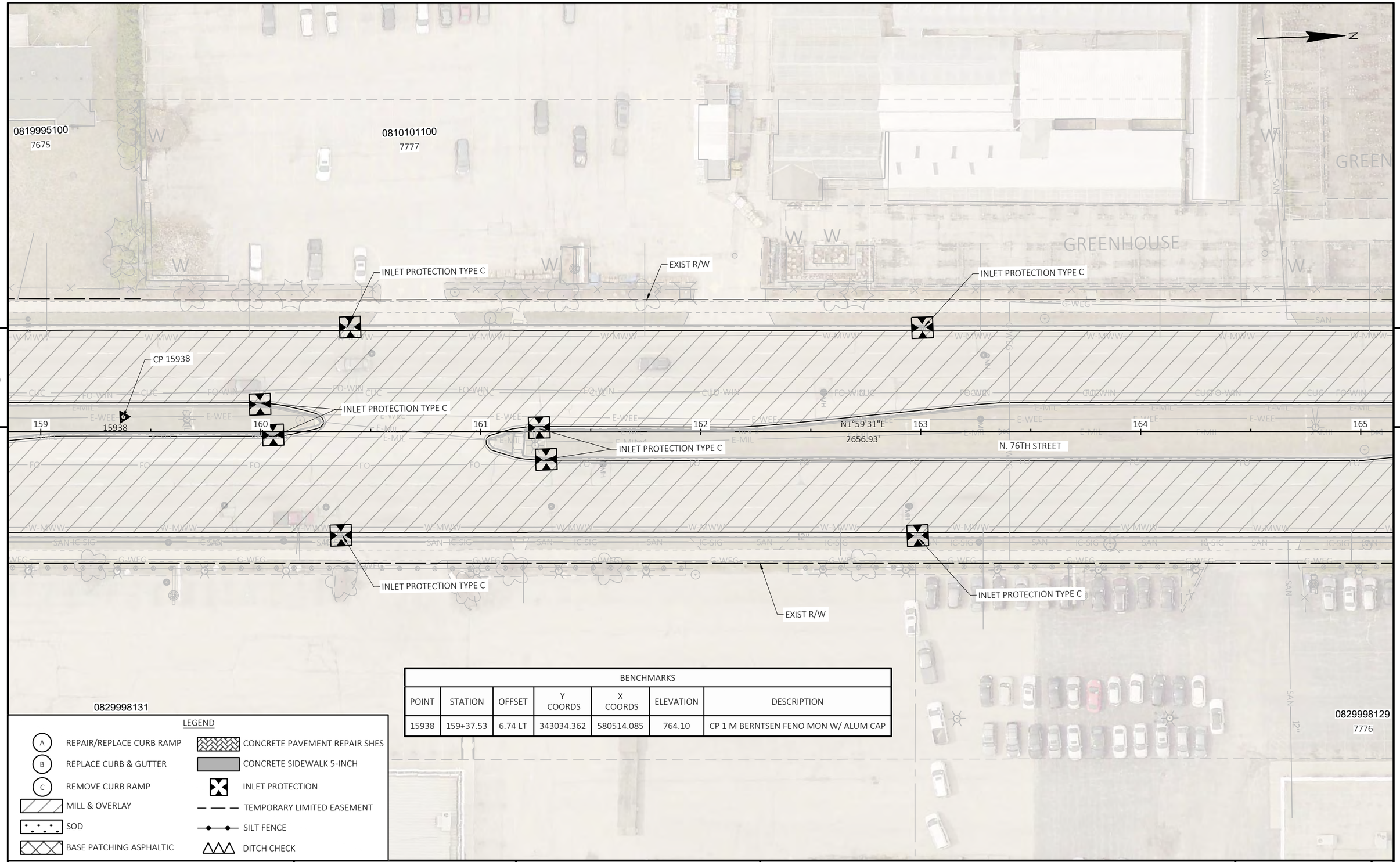
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 692	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 19

PLOT DATE : 7/25/2025 11:56 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT



BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
15938	159+37.53	6.74 LT	343034.362	580514.085	764.10	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 693	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 20

PLOT DATE : 7/25/2025 11:56 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

0819998100
7805

GREENHOUSE

0810026000
7821

0810025000
7837

0810024000
7849

EXIST R/W

STA 167+77
59.8' LEFT

BUTT JOINT - MILLED (TYP)

FRONTAGE ROAD

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

CP 16702

16702

INLET PROTECTION TYPE C

5

5

165 166 167 168 169 170 171

N1°59'31"E
2656.93'

N. 76TH STREET

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

EXIST R/W

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
16702	167+01.79	6.55 LT	343798.154	580540.835	763.82	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

0820071000
7878

0820062100
7800

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 694	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 21

PLOT DATE : 7/25/2025 11:56 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

0023000

0810022000
7877

0810021000
7901

0819999120
7919

LOLITA AVENUE

EXIST R/W

FRONTAGE ROAD

STA 174+10
75.4' LEFT

BUTT JOINT - MILLED (TYP)

TLE - 198.96 SF
(0.0046 ACRES)

REPLACE CONCRETE SIDEWALK BUS LANDING

EXISTING CONCRETE BUS PAD TO REMAIN

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

N. 76TH STREET

N1°59'31"E
2656.93'

CP 17539

17539

EXISTING CONCRETE BUS PAD TO REMAIN

EXIST R/W

INLET PROTECTION TYPE C

EXIS

0820071000

0820052000
7906

0820051100
7932

0820032000
7960

171 172 173 174 175 176 177

83

5

5

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
17539	175+38.80	51.19 RT	344632.646	580627.637	767.10	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 695	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 22

PLOT DATE : 7/25/2025 11:57 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

0819999110
7965

CANOPY

STA 179+17
126' LEFT

BUTT JOINT - MILLED (TYP)

0709995210
8015

0700081000
8025

STA 179+66
71.2' LEFT

CANOPY

TLE - 139.88 SF
(0.0032 ACRES)

TLE - 134.97 SF
(0.0031 ACRES)

EXISTING CONCRETE BUS PAD TO REMAIN

EXIST R/W

EXIST R/W

93'

30'

PI: 179+40.91

35'

A B

A B

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

5

5

177

N1°59'31"E
2656.93'

178

179

180

PI: 93+99.88

N0°51'13"E
2657.84'

181

182

183

18308

N. 76TH STREET

CP 18308

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

35'

A

A B

EXIST R/W

EXISTING CONCRETE BUS PAD TO REMAIN

INLET PROTECTION TYPE C

TLE - 120.98 SF
(0.0028 ACRES)

30'

S. BRADLEY ROAD

95'

TLE - 112.50 SF
(0.0026 ACRES)

EXIST R/W

0820032000

STA 179+15
101.5' RIGHT

STA 179+63
123.4' RIGHT

BUTT JOINT - MILLED (TYP)

0699988211
8010

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
18308	183+07.57	4.87 LT	345402.981	580591.043	765.61	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 696	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 23

PLOT DATE : 7/25/2025 11:57 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

N

N 76TH ST

EXIST R/W

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

TLE - 134.97 SF
(0.0031 ACRES)

TLE - 112.50 SF
(0.0026 ACRES)

N0°51'13"E
2657.84'

181

180

179

178

35'

30'

STA 179+66
71.2' LEFT

STA 179+63
123.4' RIGHT

BUTT JOINT - MILLED (TYP)

BRADLEY ROAD

BUTT JOINT - MILLED (TYP)

STA 179+17
126' LEFT

STA 179+15
101.5' RIGHT

TLE - 139.88 SF
(0.0032 ACRES)

TLE - 120.98 SF
(0.0028 ACRES)

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

EXIST R/W

EXIST R/W

N1°59'51"W
2656.93'

91 92 93 94 95 96

P.I. 93+99.88

X=2430590.346
Y=345036.340

CANOPY

CANOPY

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 697	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - BRADLEY 1

PLOT DATE : 7/25/2025 11:57 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

N

N 76TH ST

181

N0°51'13"E

2657.84'

EXIST R/W

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

TLE - 134.97 SF
(0.0031 ACRES)

TLE - 112.50 SF
(0.0026 ACRES)

180

35'

STA 179+66
71.2' LEFT

STA 179+63
123.4' RIGHT

30'

BUTT JOINT - MILLED (TYP)

BRADLEY ROAD

92

93

94

95

96

97

N 345590.346
E 2345036.340

BUTT JOINT - MILLED (TYP)

30'

STA 179+17
126' LEFT

STA 179+15
101.5' RIGHT

179

35'

TLE - 139.88 SF
(0.0032 ACRES)

TLE - 120.98 SF
(0.0028 ACRES)

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

178

N1°59'13"E

2656.93'

EXIST R/W

EXIST R/W

LEGEND

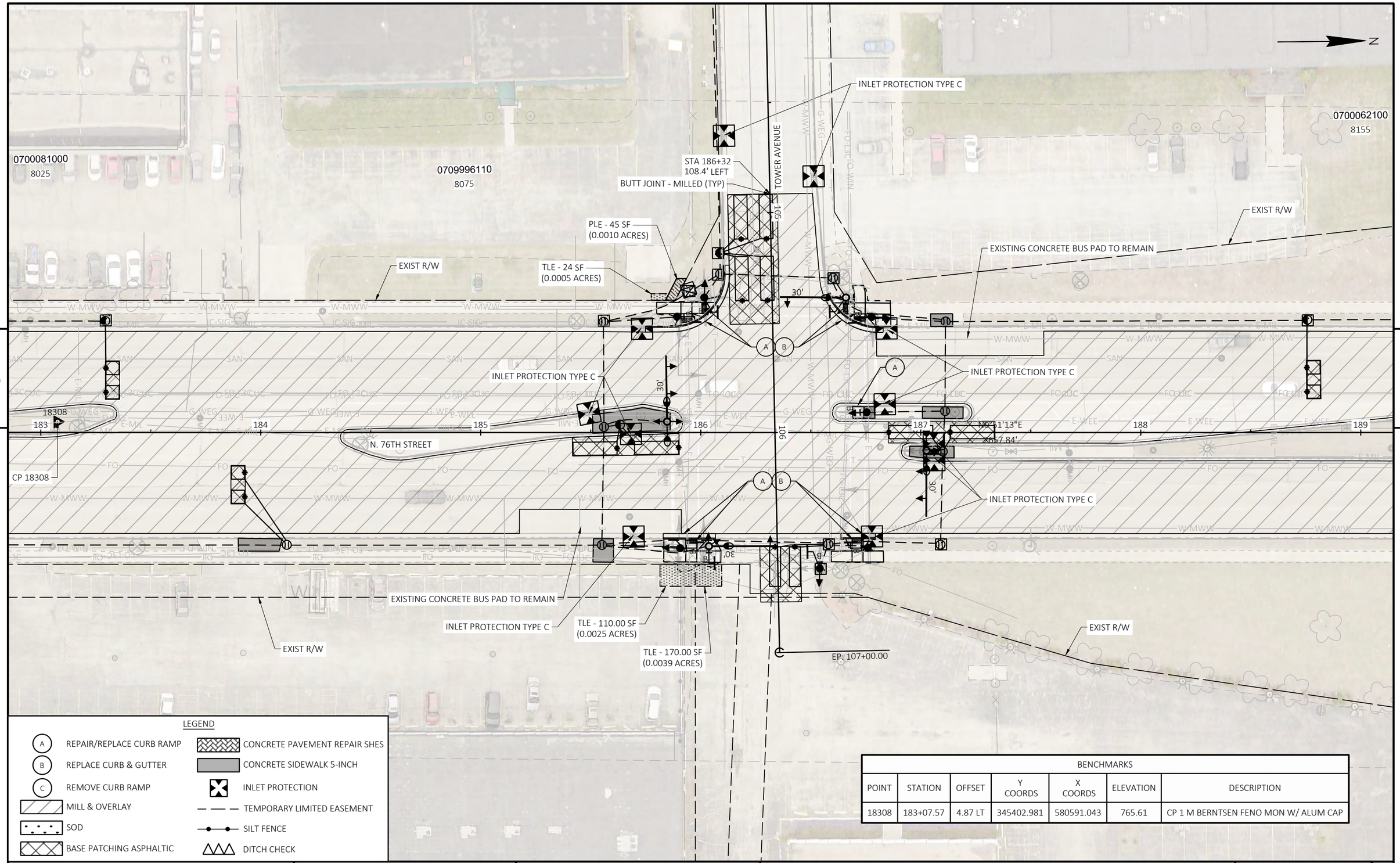
A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 698	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - BRADLEY 2

PLOT DATE : 7/25/2025 11:57 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



LEGEND

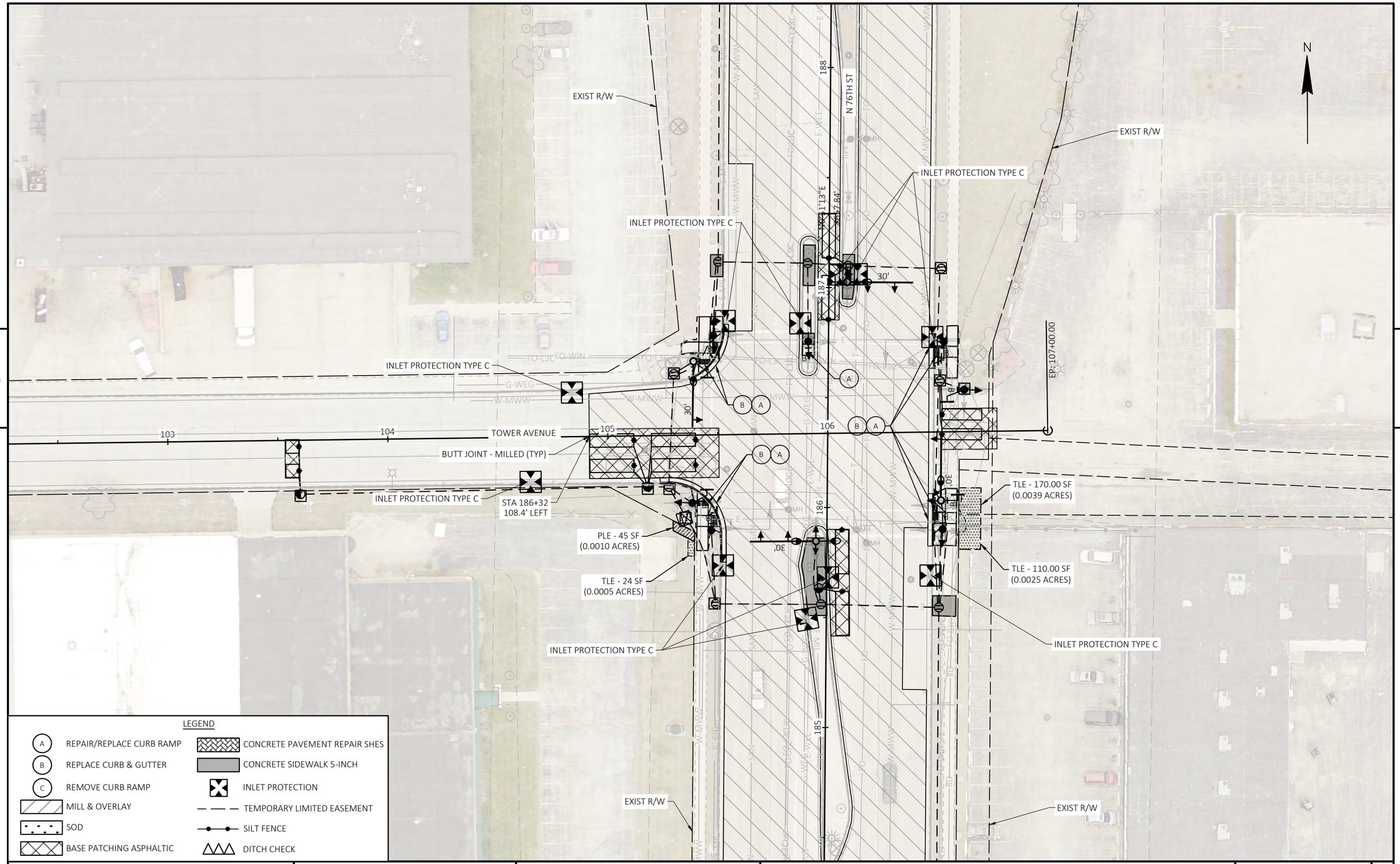
A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

BENCHMARKS

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
18308	183+07.57	4.87 LT	345402.981	580591.043	765.61	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 699	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 24
PLOT DATE : 7/25/2025 11:57 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 700	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - TOWER

PLOT DATE : 7/25/2025 11:57 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
19106	191+05.66	0.64 RT	346200.903	580608.442	778.96	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

0700062100
8155

EXIST R/W

RIPRAP

EXIST R/W

N

5

5

INLET PROTECTION TYPE C

CP 19106

BUTT JOINT - MILLED (TYP)
MATCH CONCRETE
APPROACH SLAB

189 190 191 192 193 194 195

N0°51'13"E
2657.84'

N. 76TH STREET

19106

INLET PROTECTION TYPE C

NET EXCEPTION TO CL LENGTH
STA 191+68 - STA 193+73

BUTT JOINT - MILLED (TYP)
MATCH CONCRETE
APPROACH SLAB

UNION PACIFIC RAILROAD

EXIST R/W

0699989113
7415

LEGEND

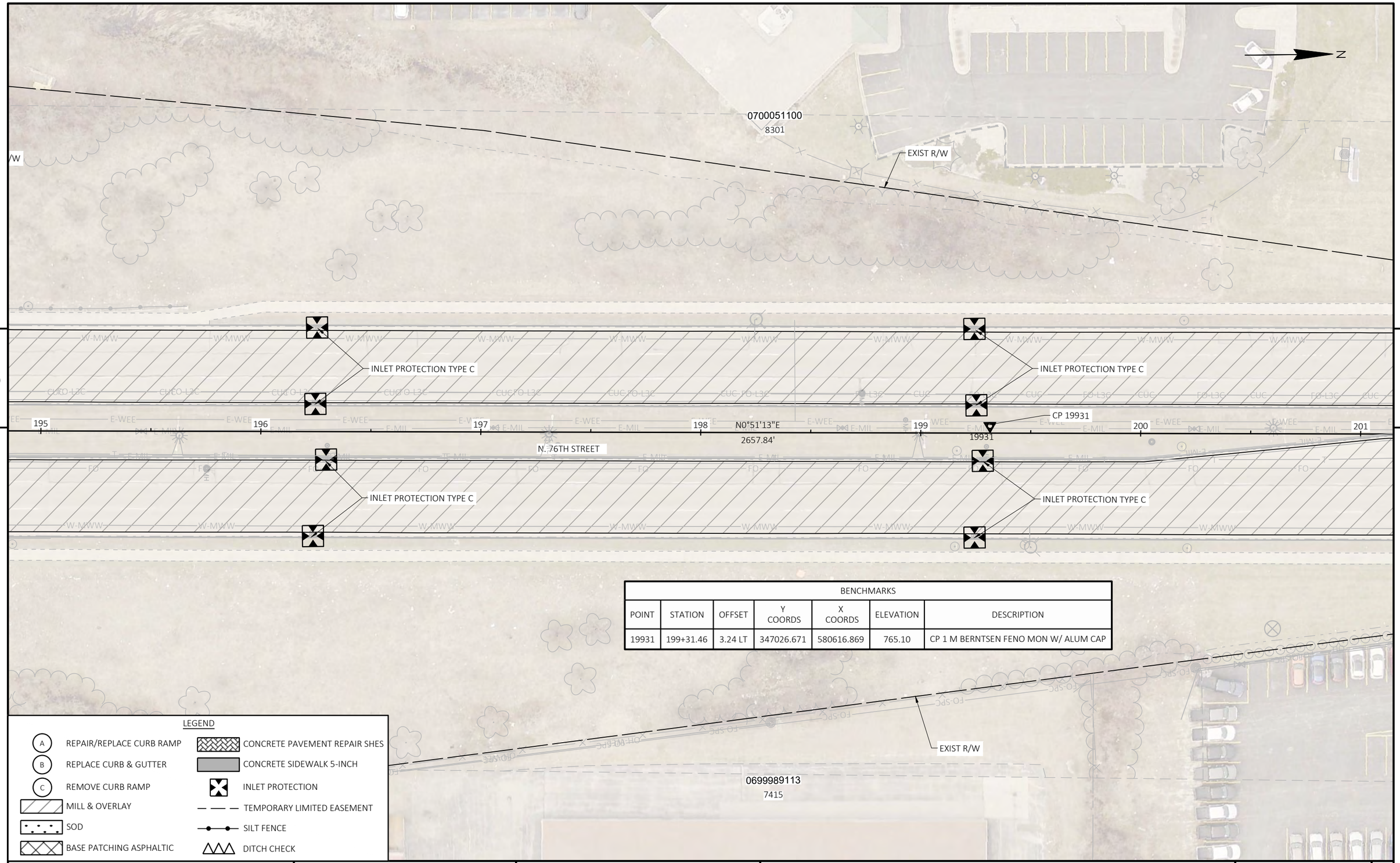
A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 701	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 25

PLOT DATE : 7/25/2025 11:57 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
19931	199+31.46	3.24 LT	347026.671	580616.869	765.10	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

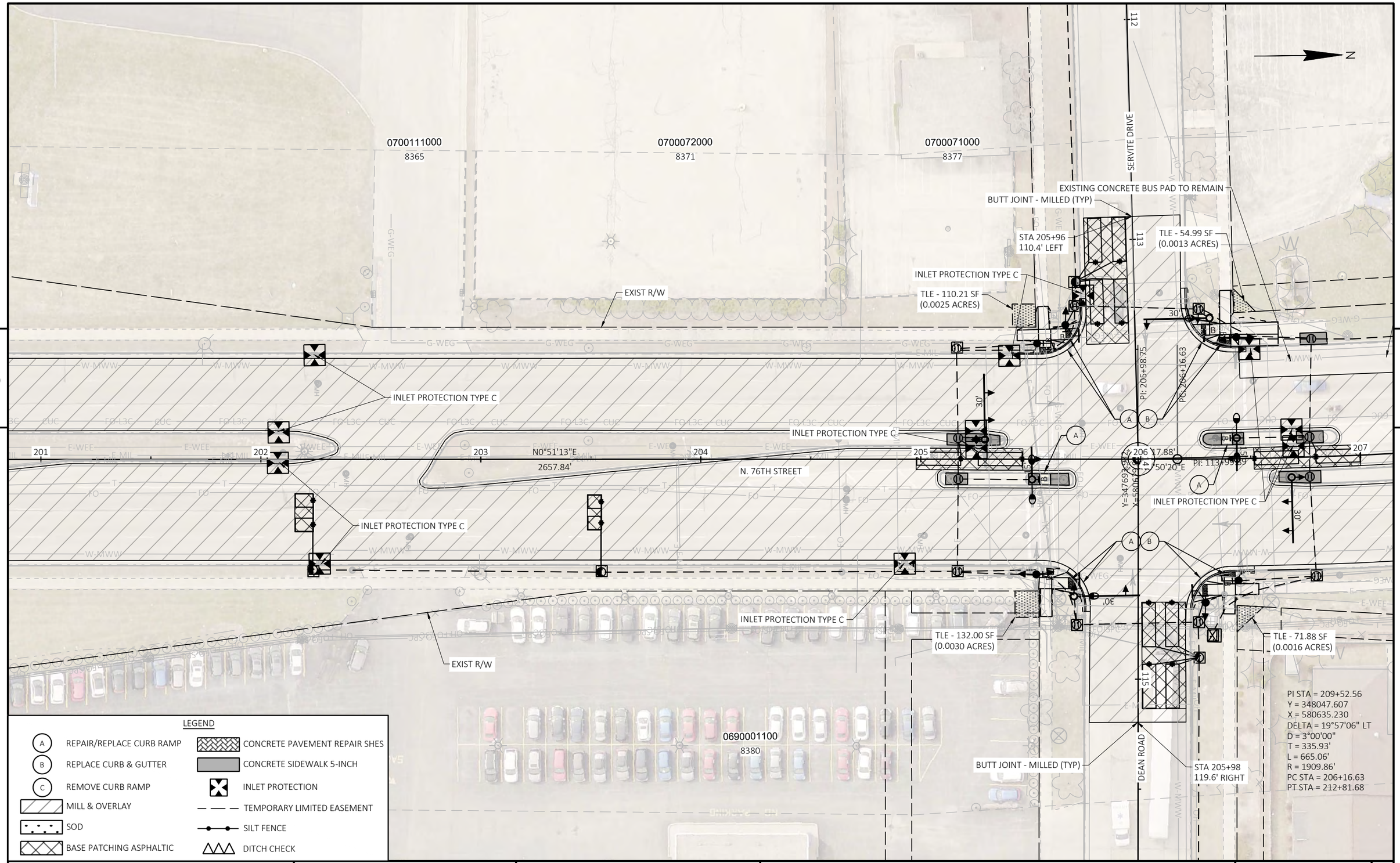
LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 702	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 26

PLOT DATE : 7/25/2025 11:57 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 703	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 27

PLOT DATE : 7/25/2025 11:58 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

EXIST R/W

INLET PROTECTION TYPE C

EXIST R/W

TLE - 54.99 SF
(0.0013 ACRES)

TLE - 71.88 SF
(0.0016 ACRES)

207

30'

STA 205+98
119.6' RIGHT

111 112 SERVITE DRIVE 113 115 DEAN ROAD 116 117

BUTT JOINT - MILLED (TYP)

STA 205+96
110.4' LEFT

BUTT JOINT - MILLED (TYP)

INLET PROTECTION TYPE C

TLE - 110.21 SF
(0.0025 ACRES)

TLE - 132.00 SF
(0.0030 ACRES)

205

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

N 76TH ST

EXIST R/W

EXIST R/W

204

LEGEND

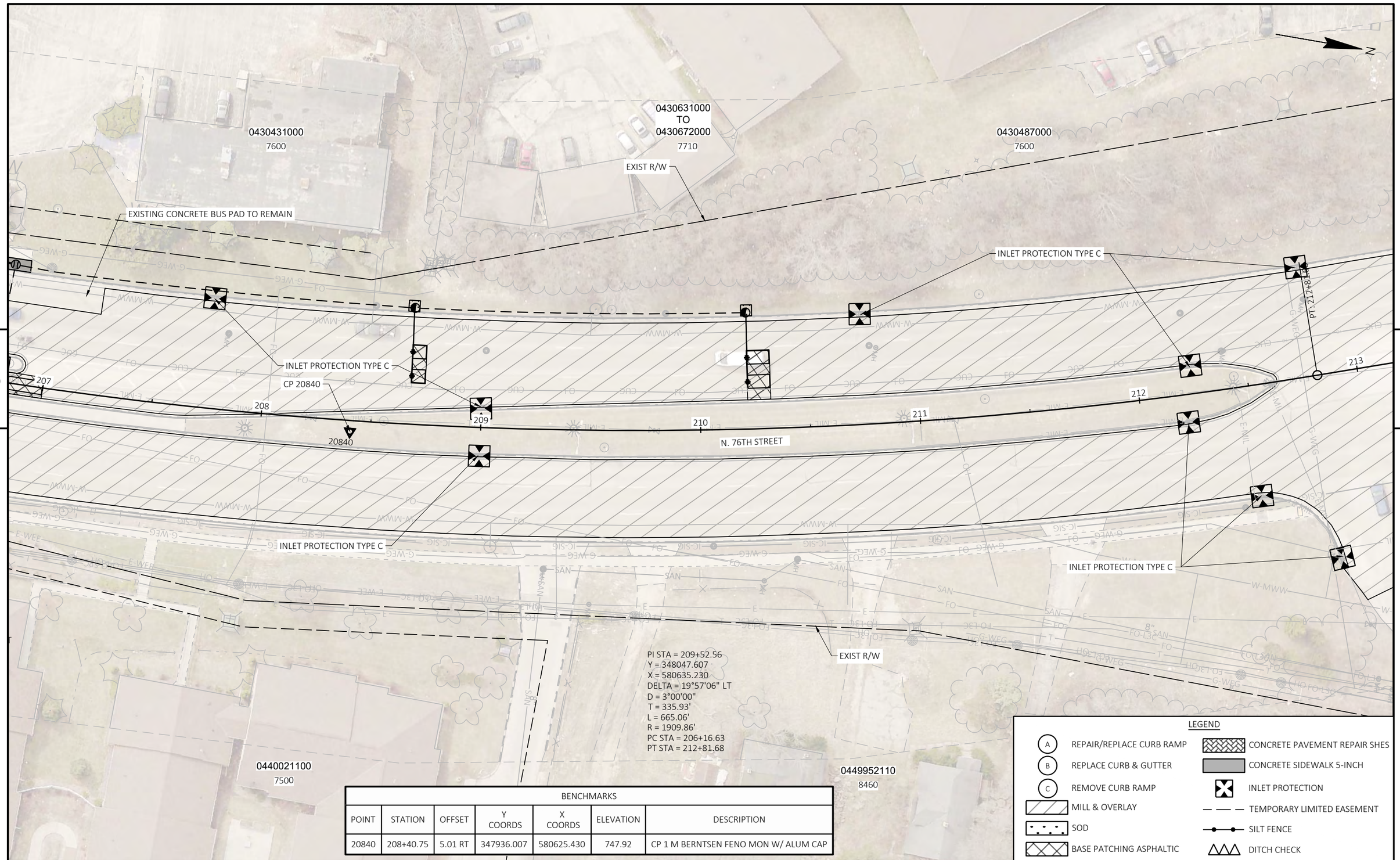
A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 704	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - DEAN

PLOT DATE : 7/25/2025 11:58 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



5

5

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
20840	208+40.75	5.01 RT	347936.007	580625.430	747.92	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 705	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 28

PLOT DATE : 7/25/2025 11:58 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

0430482000
7611

0430481000
7600

EXIST R/W

N

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
21492	214+92.06	6.47 RT	348565.920	580462.469	743.89	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

PI STA = 224+47.54
Y = 349466.612
X = 580143.498
DELTA = 35°26'03" RT
D = 2°30'00"
T = 732.17'
L = 1417.37'
R = 2291.83'
PC STA = 217+15.37
PT STA = 231+32.74

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

BP: 217+15.37

PC: 217+15.37

218 N19°06'46"W 219

246.26'

5

5

CP 21492

213 214 215 216 N19°06'46"W 217 218 219

433.69'

21492

N. 76TH STREET

BP: 217+15.37

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

N13°11'04"W 218

79.83' 219

+31.32, 60.46' RT

+71.08, 56.33' RT

+13.98, 56.29' RT

CONCRETE SIDEWALK, 5-INCH

BUTT JOINT - MILLED (TYP)

76TH PLACE

STA 213+04
99.5' RIGHT

EXIST R/W

0449954100
8560

0430741000
8585

LEGEND

A	REPAIR/REPLACE CURB RAMP		CONCRETE PAVEMENT REPAIR SHES
B	REPLACE CURB & GUTTER		CONCRETE SIDEWALK 5-INCH
C	REMOVE CURB RAMP		INLET PROTECTION
	MILL & OVERLAY		TEMPORARY LIMITED EASEMENT
	SOD		SILT FENCE
	BASE PATCHING ASPHALTIC		DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 706	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 29

PLOT DATE : 7/25/2025 11:58 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

0430491000
TO
0430536000
7910

EXIST R/W

PI STA = 223+12.33
Y = 349322.811
X = 580141.472
DELTA = 19°54'40" RT
D = 2°52'04"
T = 350.71'
L = 694.34'
R = 1998.00'
PC STA = 219+61.63
PT STA = 226+55.96

PI STA = 224+47.54
Y = 349466.612
X = 580143.498
DELTA = 35°26'03" RT
D = 2°30'00"
T = 732.17'
L = 1417.37'
R = 2291.83'
PC STA = 217+15.37
PT STA = 231+32.74

N

PC: 219+61.63
N19°06'46"W
246.26'

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

CP 22300
22300
N. 76TH STREET

PC: 219+45.20
N13°11'04"W
229.83'

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE A

CONCRETE SIDEWALK, 5-INCH

PI STA = 225+04.99
Y = 349558.771
X = 580246.561
DELTA = 40°40'30" RT
D = 3°47'38"
T = 559.78'
L = 1072.15'
R = 1510.25'
PC STA = 219+45.20
PT STA = 230+17.35

INLET PROTECTION TYPE A

EXIST R/W

0439999110
8685

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

BENCHMARKS

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
22300	223+00.42	4.38 RT	349346.271	580268.287	729.21	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 707	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 30

PLOT DATE : 7/25/2025 11:58 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

EXIST R/W

PI STA = 223+12.33
Y = 349322.811
X = 580141.472
DELTA = 19°54'40" RT
D = 2°52'04"
T = 350.71'
L = 694.34'
R = 1998.00'
PC STA = 219+61.63
PT STA = 226+55.96

PT: 226+55.96

SOUTHBOUND ON RAMP

INLET PROTECTION TYPE A

INLET PROTECTION TYPE C

N0°47'54"E
401.12'

INLET PROTECTION TYPE C

INLET PROTECTION TYPE A

PI STA = 224+47.54
Y = 349466.612
X = 580143.498
DELTA = 35°26'03" RT
D = 2°30'00"
T = 732.17'
L = 1417.37'
R = 2291.83'
PC STA = 217+15.37
PT STA = 231+32.74

0430582000
8700

PC: 230

PI STA = 232+47.47
Y = 350264.928
X = 580154.600
DELTA = 86°36'25" LT
D = 28°21'51"
T = 190.38'
L = 305.34'
R = 202.00'
PC STA = 230+57.09
PT STA = 233+62.43

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

N. 76TH STREET

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE A

PI STA = 225+04.99
Y = 349558.771
X = 580246.561
DELTA = 40°40'30" RT
D = 3°47'38"
T = 559.78'
L = 1072.15'
R = 1510.25'
PC STA = 219+45.20
PT STA = 230+17.35

NORTHBOUND OFF RAMP

+31.07, 112.68' RT

+56.87, 117.29' RT

+61.80, 128.07' RT

+87.19, 136.22' RT

+46.36, 51.34' RT

REMOVE & REPLACE GUARDRAIL

MGS GUARDRAIL TERMINAL EAT

SLOPE INTERCEPT (TYP)

+68.21, 53.35' RT

+93.78, 54.44' RT

+19.31, 51.24' RT

INLET PROTECTION TYPE A

INLET PROTECTION TYPE C

CONCRETE SIDEWALK, 5-INCH

EXIST R/W

0439999110
8685

6'X16'
4 TURNS
4:1

250' TO NEAR RIGHT SIGNAL

230+17.35

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 708	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 31

PLOT DATE : 7/25/2025 11:58 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
23144	231+43.99	7.17 LT	350182.084	580345.534	713.10	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

LEGEND

- REPAIR/REPLACE CURB RAMP
- REPLACE CURB & GUTTER
- REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

INLET PROTECTION TYPE C

STH 100 - W BROWN DEER ROAD

PI STA = 232+84.10
Y = 350398.002
X = 580122.215
DELTA = 52°52'13" LT
D = 179°02'58"
T = 15.91'
L = 29.53'
R = 32.00'
PC STA = 232+68.19
PT STA = 232+97.72

0329997123
7800

PI STA = 232+47.47
Y = 350264.928
X = 580154.600
DELTA = 86°36'25" LT
D = 28°21'51"
T = 190.38'
L = 305.34'
R = 202.00'
PC STA = 230+57.09
PT STA = 233+62.43

BUTT JOINT - MILLED (TYP)

INLET PROTECTION TYPE C

PLACE CONCRETE SIDEWALK
BUS LANDINGS

REPLACE LOOPS AT OFF-RAMP

4 - 6'x20'
4 TURNS EACH

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

N36°39'12"E
179.44'

PRI: 234+77.16

EXIST R/W

INLET PROTECTION TYPE A

250' TO NEAR
RIGHT SIGNAL

6'x14'
5 TURNS

PI: 236+19.32

N28°28'00"E
262.81'

SOUTHBOUND OFF RAMP

INLET PROTECTION TYPE C

INLET PROTECTION TYPE A

PI STA = 235+48.36
Y = 350611.877
X = 580281.298
DELTA = 8°08'44" LT
D = 5°43'46"
T = 71.20'
L = 142.17'
R = 1000.00'
PC STA = 234+77.16
PT STA = 236+19.32

SOUTHBOUND ON RAMP

N89°31'42"E
2661.86'

BOX CULVERT C-40-0053
CONCRETE SURFACE REPAIRS
SEE STRUCTURE DETAILS

INLET PROTECTION TYPE C

REMOVE & REPLACE GUARDRAIL

SLOPE INTERCEPT (TYP)

MGS GUARDRAIL THRIE
BEAM TRANSITION

+41.91, -51.04' LT

+15.02, -51.26' LT

+40.05, -52.23' LT

+65.03, -53.19' LT

+84.09, -51.20' LT

CONNECT TO
EXISTING PARAPET

RIPRAP LIGHT NEAR CORNERS
OF BRIDGE BEHIND INLETS

BUTT JOINT - MILLED (TYP)
MATCH CONCRETE
APPROACH SLAB

NET EXCEPTION TO CL LENGTH
STA 232+17 - STA 243+17

MGS GUARDRAIL 3

MGS GUARDRAIL TERMINAL EAT

INLET PROTECTION TYPE C

PT: 231+32.74

CP 23144

23144

INLET PROTECTION TYPE C

N16°19'17"E
851.44'

N. 76TH STREET

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 709	E

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

5

PI STA = 232+84.10
Y = 350398.002
X = 580122.215
DELTA = 52°52'13" LT
D = 179°02'58"
T = 15.91'
L = 29.53'
R = 32.00'
PC STA = 232+68.19
PT STA = 232+97.72

EXIST R/W

INLET PROTECTION TYPE C

BUTT JOINT - MILLED (TYP)

N36°39'12"E
179.44'

4 - 6'x20'
4 TURNS EACH

T = 71.20'
L = 142.17'
R = 1000.00'
PC STA = 234+77.16
PT STA = 236+19.32

+41.91, -51.04' LT

MGS GUARDRAIL THRIE BEAM TRANSITION

CONNECT TO EXISTING PARAPET

INLET PROTECTION TYPE C

SB22

N89°31'42"E
2661.86'

SB15

BUTT JOINT - MILLED (TYP)

N16°19'17"E
851.44'

SB23

EP: 235+08.01

PT: 233+62.43

INLET PROTECTION TYPE C

PI STA = 232+47.47
Y = 350264.928
X = 580154.600
DELTA = 86°36'25" LT
D = 28°21'51"
T = 190.38'
L = 305.34'
R = 202.00'
PC STA = 230+57.09
PT STA = 233+62.43

EXIST R/W

INLET PROTECTION TYPE C

CP 23144

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 710	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - BROWN DEER 1

PLOT DATE : 7/25/2025 11:58 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

INLET PROTECTION TYPE A

INLET PROTECTION TYPE C

BUTT JOINT - MILLED (TYP)

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

PI STA = 234+86.07
Y = 350425.317
X = 580705.548
DELTA = 85°40'55" RT
D = 37°41'41"
T = 140.96'
L = 227.31'
R = 152.07'
PC STA = 233+45.11
PT STA = 235+72.42

EXIST R/W

BUTT JOINT - MILLED (TYP)

PI: 349+95.28

SB8

SB20

SB21

SB 350
X=580669.906
Y=350349.583

N89°31'42"E
2661.86'

BROWN DEER ROAD

EP: 233+04.31

BUTT JOINT - MILLED (TYP)

INLET PROTECTION TYPE C

INLET PROTECTION TYPE A

PC: 232+69.66

N16°19'17"E
851.44'

CONNECT TO
EXISTING PARAPET

MGS GUARDRAIL THRIE
BEAM TRANSITION

+92.70, 54.27' RT

4 - 6'x20'
3 TURNS EACH

+71.50, 227.98' RT
+81.87, 232.01' RT

+04.41, 251.59' RT
+13.20, 253.44' RT

INLET PROTECTION TYPE A

EXIST R/W

PI STA = 232+88.90
Y = 350296.236
X = 580630.308
DELTA = 62°01'55" RT
D = 179°02'58"
T = 19.24'
L = 34.65'
R = 32.00'
PC STA = 232+69.66

BP: 231+95.68

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 711	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - BROWN DEER 2

PLOT DATE : 7/25/2025 11:59 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

CP 23144

231 — 23144 — 232 — N16°19'17"E 851.44' — 233 — 234 — 235 — 236 — 237

N. 76TH STREET

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

MGS GUARDRAIL 3

NET EXCEPTION TO CL LENGTH
STA 232+17 - STA 243+17

BUTT JOINT - MILLED (TYP)
MATCH CONCRETE
APPROACH SLAB

RIPRAP LIGHT NEAR CORNERS
OF BRIDGE BEHIND INLETS

INLET PROTECTION TYPE C

+93.78, 50.44' RT
+19.31, 51.29' RT
+92.70, 51.27' RT

CONNECT TO
EXISTING PARAPET

REMOVE & REPLACE GUARDRAIL

MGS GUARDRAIL
THRIE BEAM TRANSITION

MGS GUARD RAIL
TERMINAL EAT

SLOPE INTERCEPT (TYP)

INLET PROTECTION
TYPE A

STH 100 - W BROWN DEER ROAD

348

INLET PROTECTION TYPE A

NORTHBOUND ON RAMP

NORTHBOUND OFF RAMP
4 - 6'x20'
3 TURNS EACH

441
442
443
445

N89°31'42"E 2661.98'

SB8

INLET PROTECTION TYPE C

SB21

349

SB20

REPLACE LOOPS AT OFF-RAMP

INLET PROTECTION TYPE C

231 — N27°29'26"E 232.31' — 232

PC: 232+69.66

BUTT JOINT - MILLED (TYP)

BOX CULVERT C-40-0053
CONCRETE SURFACE REPAIRS
SEE STRUCTURE DETAILS

PT: 235+72.42

236 — N1°10'01"E 916.92'

PROPOSED SIDEWALK (1950 FEET)

+71.50, 227.98' RT
+81.87, 232.61' RT
+04.41, 251.59' RT
+13.20, 253.44' RT
+22.10, 250.83' RT

233

EP: 233+04.31

PI: 349+95.28

350

X=350568.420
Y=580569.555

INLET PROTECTION TYPE A

INLET PROTECTION TYPE C

235

PI: 235+72.42

INLET PROTECTION TYPE C

EXIST R/W

PI STA = 232+88.90
Y = 350296.236
X = 580630.308
DELTA = 62°01'55" RT
D = 179°02'58"
T = 19.24'
L = 34.65'
R = 32.00'
PC STA = 232+69.66
PT STA = 233+04.31

STA 350+43.25, 37' LT
BOX CULVERT C-40-0053
ACCESS MANHOLE

PI STA = 234+86.07
Y = 350425.317
X = 580705.548
DELTA = 85°40'55" RT
D = 37°41'41"
T = 140.96'
L = 227.31'
R = 152.00'
PC STA = 233+45.11
PT STA = 235+72.42

351

234

0319991100
7528

BENCHMARKS

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
23144	231+43.99	7.17 LT	350182.084	580345.534	713.10	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 712	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 33

PLOT DATE : 7/25/2025 11:59 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

INLET PROTECTION TYPE A

N28°28'00"E
262.81'

PRI: 238+82.13

PI STA = 241+46.70
Y = 351138.084
X = 580566.610
DELTA = 23°00'24" LT
D = 4°24'27"
T = 264.57'
L = 522.01'
R = 1300.00'
PC STA = 238+82.13
PT STA = 244+04.14

EXIST R/W

0320132100
8875

SOUTHBOUND OFF RAMP

CP 23921

PC: 239+84.19

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

N16°19'17"E
851.44'

N. 76TH STREET

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

PI STA = 242+38.24
Y = 351230.228
X = 580659.930
DELTA = 15°09'16" LT
D = 3°00'00"
T = 254.06'
L = 505.15'
R = 1909.86'
PC STA = 239+84.19
PT STA = 244+89.34

NORTHBOUND ON RAMP

ALUM CAP

INLET PROTECTION TYPE A

N1°10'01"E
916.92'

EXIST R/W

INLET PROTECTION TYPE C

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 713	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 34

PLOT DATE : 7/25/2025 11:59 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

PI STA = 241+46.70
Y = 351138.084
X = 580566.610
DELTA = 23°00'24" LT
D = 4°24'27"
T = 264.57'
L = 522.01'
R = 1300.00'
PC STA = 238+82.13
PT STA = 244+04.14

0320132100
8875

0320121000
8901

0320003100
9001

N

PT: 244+04.14

EXIST R/W

INLET PROTECTION TYPE C

EP: 247+46.38

INLET PROTECTION TYPE C

PI: 244+04.14

N5°27'36"E
342.24'

PT: 244+89.34

INLET PROTECTION TYPE C

CP 24715

N. 76TH STREET

N1°10'01"E
1522.77'

EP: 244+89.34

INLET PROTECTION TYPE C

N1°10'01"E
916.92'

INLET PROTECTION TYPE C

EXIST R/W

PI STA = 242+38.24
Y = 351230.228
X = 580659.930
DELTA = 15°09'16" LT
D = 3°00'00"
T = 254.06'
L = 505.15'
R = 1909.86'
PC STA = 239+84.19
PT STA = 244+89.34

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

BENCHMARKS

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
24715	247+15.51	7.49 LT	351710.513	580662.219	693.18	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 714	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 35
PLOT DATE : 7/25/2025 11:59 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

STA 250+27
157.4' LEFT

BUTT JOINT - MILLED (TYP)

0320172000

0320003100
9001

ALLYN STREET

STA 250+83
107.2' LEFT

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

0320011000
9049

0320031000
9055

0320032000
9075

EXISTING CONCRETE BUS PAD TO REMAIN

TLE - 63.82 SF
(0.0015 ACRES)

EXIST R/W

EXIST R/W

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

N. 76TH STREET

N1°10'01"E
1522.77'

PLACE CONCRETE SIDEWALK BUS LANDINGS

EXISTING CONCRETE BUS PAD TO REMAIN

EXIST R/W

EP: 125+00.00

0310101111
7342

249 250 251 252 253 254 255

123 124

35'

5 5

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 715	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 36

PLOT DATE : 7/25/2025 11:59 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

0320032000
9075

0320033000
9091

0320172000

0320062000

0320062000
9127

N

BUTT JOINT - MILLED (TYP)

STA 257+17
117.5' LEFT

STA 257+59
94.3' LEFT

INLET PROTECTION TYPE C

TLE - 36.61 SF
(0.0008 ACRES)

EXIST R/W

EXISTING CONCRETE BUS PAD TO REMAIN

EXIST R/W

INLET PROTECTION TYPE C

132

30'

BP: 142+50.00

A B

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

60+12.15

INLET PROTECTION TYPE C

30'

A

255 256 257 258 259 260 261

INLET PROTECTION TYPE C

132 143

N1°10'01"E
1522.77'

N. 76TH STREET

CP 25523

25523

INLET PROTECTION TYPE C

30'

INLET PROTECTION TYPE C

Y=353006.167
X=580723.761
SEC

A B

EP: 138+50.00

INLET PROTECTION TYPE C

EXISTING CONCRETE BUS PAD TO REMAIN

EXIST R/W

EXIST R/W

STA 257+11
108' RIGHT

114

NORTHRIDGE LAKES BLVD

0310351110
7500

STA 257+54
128' RIGHT

BUTT JOINT - MILLED (TYP)

LEGEND

A	REPAIR/REPLACE CURB RAMP		CONCRETE PAVEMENT REPAIR SHES
B	REPLACE CURB & GUTTER		CONCRETE SIDEWALK 5-INCH
C	REMOVE CURB RAMP		INLET PROTECTION
	MILL & OVERLAY		TEMPORARY LIMITED EASEMENT
	SOD		SILT FENCE
	BASE PATCHING ASPHALTIC		DITCH CHECK

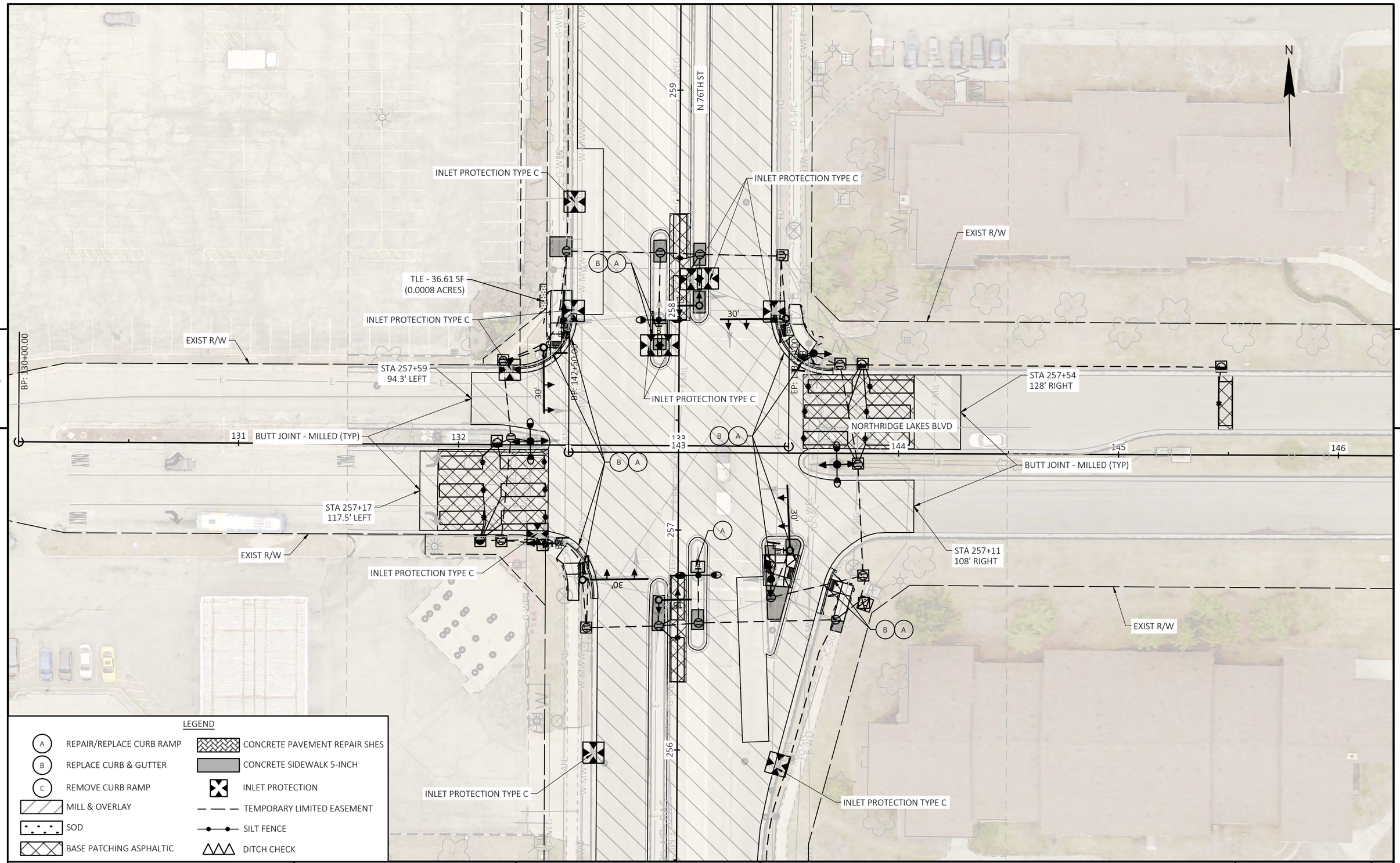
BENCHMARKS

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
25523	255+22.92	43.19 RT	352516.722	580729.338	701.24	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 716	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 37

PLOT DATE : 7/25/2025 11:59 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 717	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - NORTHRIDGE LAKES

PLOT DATE : 7/25/2025 11:59 AM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

0320062000
9127

0320061000
9225

0320173000

0060031000
9301

FAIRY CHASM DRIVE

N. 76TH STREET

STA 263+91
73' LEFT

STA 264+38
80' LEFT

BUTT JOINT - MILLED (TYP)

INLET PROTECTION TYPE C

EXIST R/W

TLE - 241.95 SF
(0.0056 ACRES)

CP 26563

26563

EP: 154+00.00

N1°20'55"E
1317.24'

152

191

261 262 263 264 265 266 267

0310106000
9139

5

5

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
26563	265+63.79	47.83 RT	353557.352	580754.510	705.29	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 718	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 38

PLOT DATE : 7/25/2025 12:00 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

0060031000
9301

0060001000
9363

N

EXIST R/W

TLE - 125.00 SF
(0.0029 ACRES)

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

INLET PROTECTION TYPE C

A B

A B

CP 27166

27166

RC- 272+29.35

N. 76TH STREET

N1°05'55"E
1217.24'

267 268 269 270 271 272 273

EXIST R/W

0310107000
9241

PI STA = 273+48.22
Y = 354342.553
X = 580721.735
DELTA = 5°20'31" RT
D = 2°14'55"
T = 118.87'
L = 237.56'
R = 2548.00'
PC STA = 272+29.35
PT STA = 274+66.91

LEGEND

A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

BENCHMARKS

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
27166	271+66.28	3.99 LT	354160.722	580714.254	706.36	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 719 E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 39

PLOT DATE : 7/25/2025 12:00 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

0050137100
7618

0050139100
7607

0050138100
7604

0060012110
9455

0070132000

GLENBROOK ROAD

STA 274+80
74' LEFT

BUTT JOINT - MILLED
(TYP)

INLET PROTECTION TYPE C

TLE - 111.54 SF
(0.0026 ACRES)

TLE - 139.04 SF
(0.0032 ACRES)

EXIST R/W

STA 276+85.82, 58.63' LT
BEGIN CONCRETE SIDEWALK 5-INCH
MATCH EXISTING SIDEWALK PREVIOUSLY CONSTRUCTED

TLE - 4,130.08 SF
(0.0948 ACRES)

WETLAND BOUNDARY

58.63' LT

4.5'

PT: 274+66.91

N6°26'27"E
678.95'

N. 76TH STREET

PI STA = 273+48.22
Y = 354342.553
X = 580721.735
DELTA = 5°20'31" RT
D = 2°14'55"
T = 118.87'
L = 237.56'
R = 2548.00'
PC STA = 272+29.35
PT STA = 274+66.91

= 273+48.22
4342.553
0721.735
= 5°20'31" RT
14'55"
8.87'
7.56'
48.00'
= 272+29.35

EP: 165+00.00

BERM

LEGEND

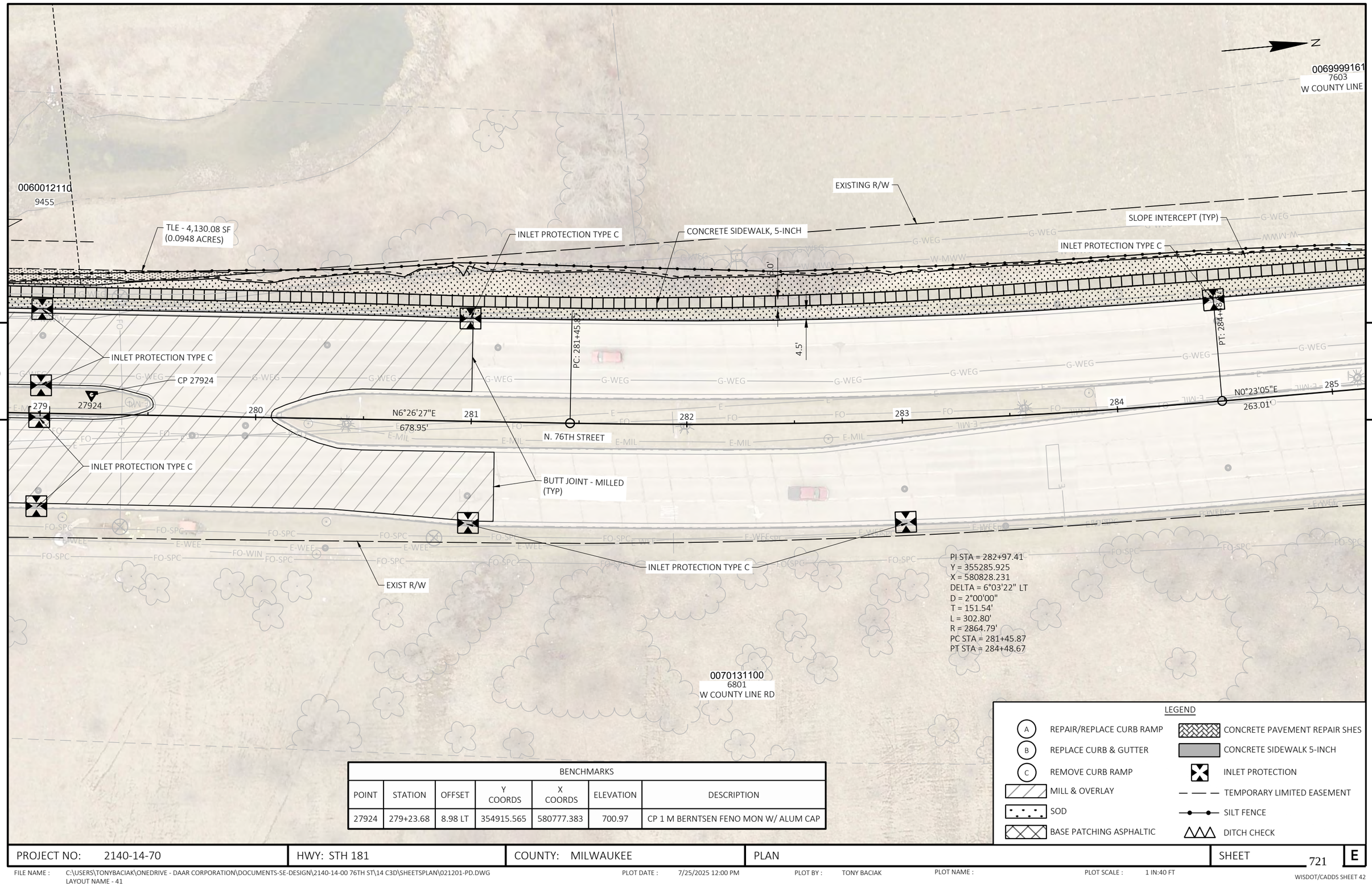
A REPAIR/REPLACE CURB RAMP	CONCRETE PAVEMENT REPAIR SHES
B REPLACE CURB & GUTTER	CONCRETE SIDEWALK 5-INCH
C REMOVE CURB RAMP	INLET PROTECTION
MILL & OVERLAY	TEMPORARY LIMITED EASEMENT
SOD	SILT FENCE
BASE PATCHING ASPHALTIC	DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 720	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 40

PLOT DATE : 7/25/2025 12:00 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
27924	279+23.68	8.98 LT	354915.565	580777.383	700.97	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

LEGEND

- A — REPAIR/REPLACE CURB RAMP
- B — REPLACE CURB & GUTTER
- C — REMOVE CURB RAMP
- MILL & OVERLAY
- SOD
- BASE PATCHING ASPHALTIC
- CONCRETE PAVEMENT REPAIR SHES
- CONCRETE SIDEWALK 5-INCH
- INLET PROTECTION
- TEMPORARY LIMITED EASEMENT
- SILT FENCE
- DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 721	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 41

PLOT DATE : 7/25/2025 12:00 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

BENCHMARKS						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESCRIPTION
7708	0+00.00	0.00	355785.430	580770.099	683.98	HMOD DE7708
28814	0+00.00	0.00	355804.375	580758.443	683.47	CP 1 M BERNTSEN FENO MON W/ ALUM CAP

0069999161
7603
W COUNTY LINE RD

EXIST R/W

+47.82, -86.98' LT
+53.79, -86.91' LT

STA 286+53.79, 86.91' LT
END CONCRETE SIDEWALK 5-INCH
MATCH SIDEWALK CONSTRUCTED
BY OTHERS

CP 28814

28814

7708

NGS

+98.64, -67.81' LT

+24.99, -57.90' LT

SLOPE INTERCEPT
(TYP)

5.0'

4.5'

INLET PROTECTION TYPE C

CONCRETE SIDEWALK, 5-INCH

Y=355700.196
X=580774.496
EP: 287+11.68 SEC

END PROJECT
STA 287+11.68

N 76TH STREET

285
286
287
N0°23'05"E
263.01'

END CONSTRUCTION
STA 286+53.79

EXIST R/W

W COUNTY LINE RD

RIPRAP

STOCK PILE

STOCK PILE

LEGEND

A	REPAIR/REPLACE CURB RAMP		CONCRETE PAVEMENT REPAIR SHES
B	REPLACE CURB & GUTTER		CONCRETE SIDEWALK 5-INCH
C	REMOVE CURB RAMP		INLET PROTECTION
	MILL & OVERLAY		TEMPORARY LIMITED EASEMENT
	SOD		SILT FENCE
	BASE PATCHING ASPHALTIC		DITCH CHECK

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PLAN	SHEET 722	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 42

PLOT DATE : 7/25/2025 12:00 PM PLOT BY : TONY BACIAK PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

Standard Detail Drawing List

08A05-21A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-21B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-21C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08A05-21D	INLET COVERS TYPE V, V-B, & VV-B
08A05-21E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D17-06	MANHOLES, MANHOLE & INLET COVERS
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
09B02-10	CONDUIT
09B04-13	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-10	CONCRETE BASE TYPE 10
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-09A	TYPE 9 POLE 15'-30' MONOTUBE ARM
09E08-09B	TYPE 9 SPECIAL POLE 35' MONOTUBE ARM
09E08-09C	TYPE 9 SPECIAL POLE 40' MONOTUBE ARM
09E08-09D	TYPE 9 SPECIAL POLE 45' MONOTUBE ARM
09E08-09E	TYPE 10 POLE 15'-30' MONOTUBE ARM
09E08-09F	TYPE 10 SPECIAL POLE 35' MONOTUBE ARM
09E08-09H	TYPE 10 SPECIAL POLE 45' MONOTUBE ARM
09F15-04A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
13C09-17A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-17B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-17C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05D	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)

6

Standard Detail Drawing List

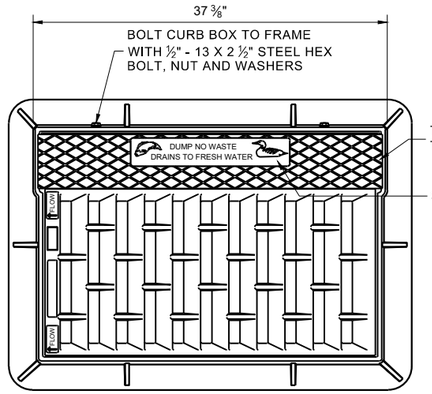
14B45-05E	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05F	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05I	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05J	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05K	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05L	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B47-05A	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05B	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05C	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05D	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05E	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05F	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
14B47-05G	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL
15A04-08A	FLEXIBLE DELINEATOR POST
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-09D	ON RAMP LANE CLOSURE
15C02-09E	OFF RAMP LANE CLOSURE
15C02-09F	ADVANCED WIDTH RESTRICTION SIGNING
15C02-09G	TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE
15C02-09H	MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING
15C07-16A	PAVEMENT MARKING SYMBOLS
15C07-16B	PAVEMENT MARKING WORDS
15C07-16C	PAVEMENT MARKING ARROWS
15C07-16D	ROUNDABOUT ARROWS
15C07-16E	PAVEMENT MARKING FOR BIKE LANES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-09A	MEDIAN ISLAND MARKINGS
15C18-09B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C18-09C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C21-11	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C31-07A	PAVEMENT MARKING EXIT RAMP AND PARALLEL EXIT RAMP
15C31-07B	PAVEMENT MARKING MAJOR SPLIT FREEWAY TO FREEWAY
15C31-07C	PAVEMENT MARKING ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-14A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D12-14B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D12-14C	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D12-14D	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D12-14E	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D12-14F	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D12-14G	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D15-07A	TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07B	TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07C	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07D	TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE
15D15-07E	TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE
15D20-09A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-09B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-09C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-07	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D23-07A	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D23-07B	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D30-10A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

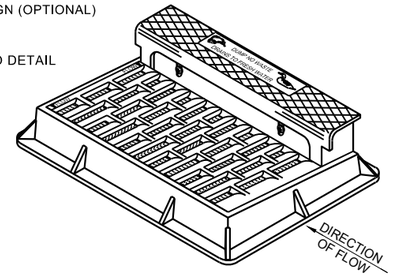
Standard Detail Drawing List

15D30-10E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D41-05A	TRAFFIC CONTROL, MULTIPLE LANE SHIFT, MULTILANE DIVIDED ROAD
15D41-05B	TRAFFIC CONTROL, MULTIPLE LANE SHIFT DIVIDED ROAD TEMPORARY TAPE RUMBLE STRIPS
15D42-04	TRAFFIC CONTROL, TWO LANE FULL FREEWAY CLOSURE
15D49-04	TRAFFIC CONTROL, SYSTEM RAMP CLOSURE
15D50-03A	TRAFFIC CONTROL, ADDED LANE CLOSURE WITHOUT LANE SHIFT
15D50-03B	TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

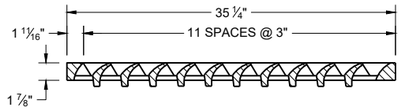
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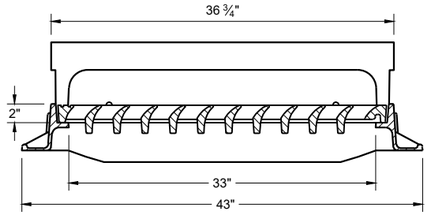


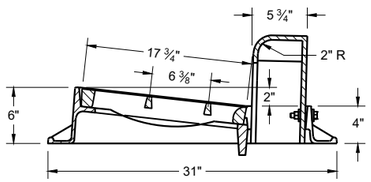
NOTE: EITHER CASTING IS ACCEPTABLE

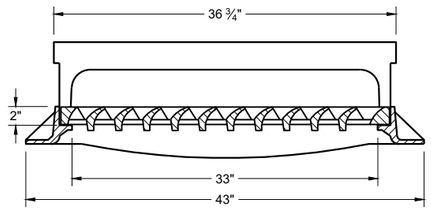


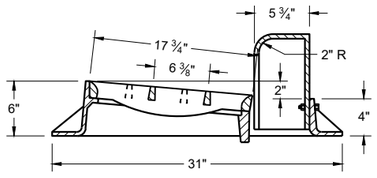
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







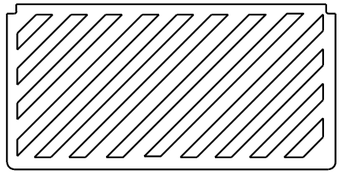




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

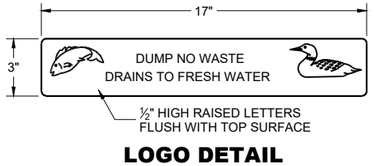
1 1/8" DIAGONAL BARS WITH 1 5/8" OPENINGS



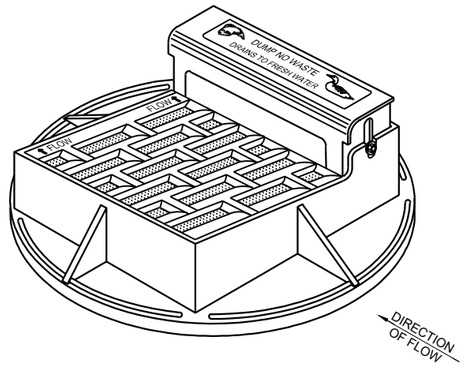
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

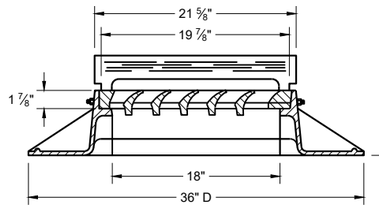


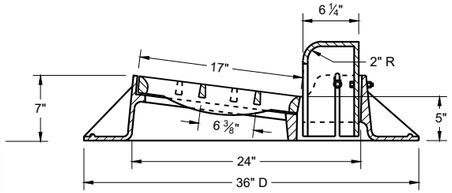
LOGO DETAIL



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE





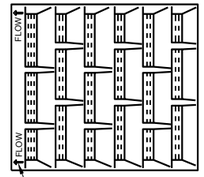
TYPE "A"

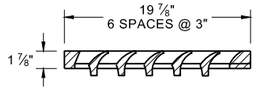
GENERAL NOTES

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

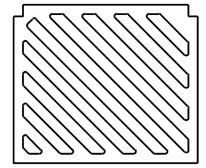
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.





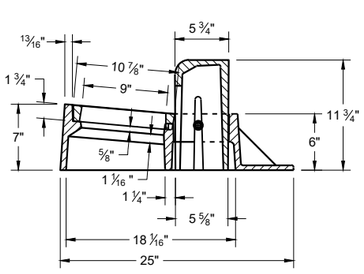
1" DIAGONAL BARS WITH 1 1/2" OPENINGS



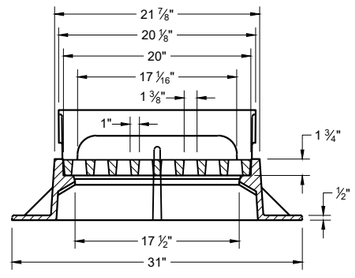
SPECIAL GRATE FOR TYPE "A" COVER

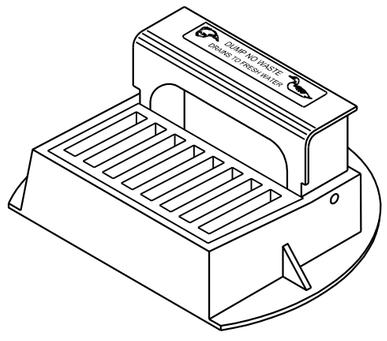
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





INLET COVERS
TYPES A, H, A-S, H-S AND Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

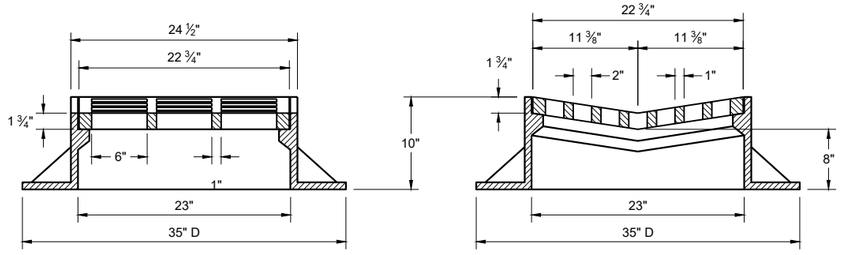
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

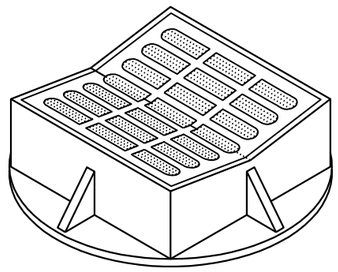
FHWA

6

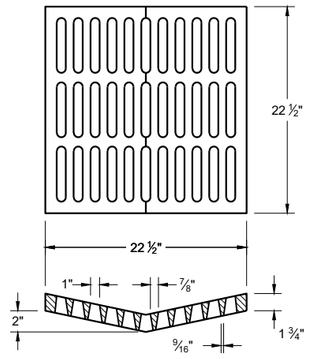
SDD 08A05-21a

SDD 08A05-21a





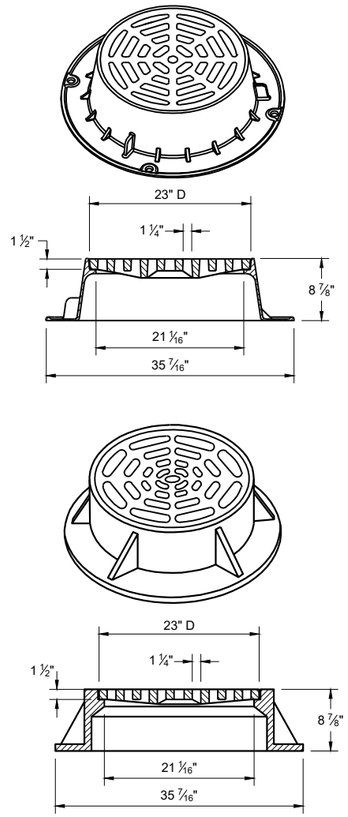
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

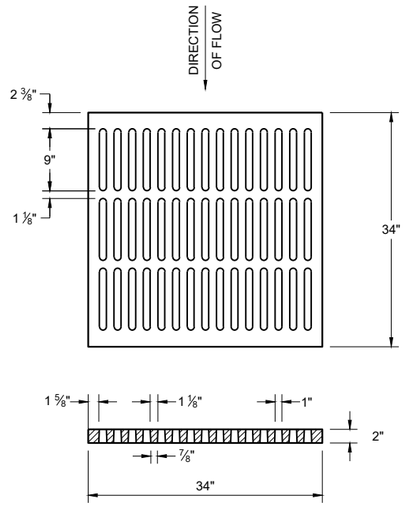
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

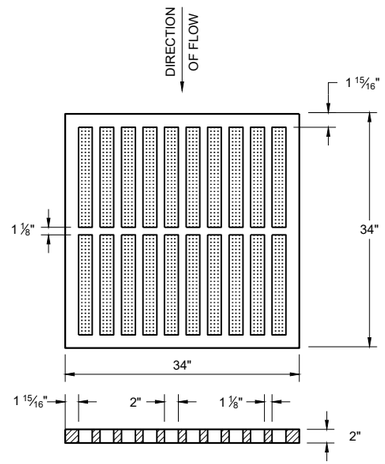
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

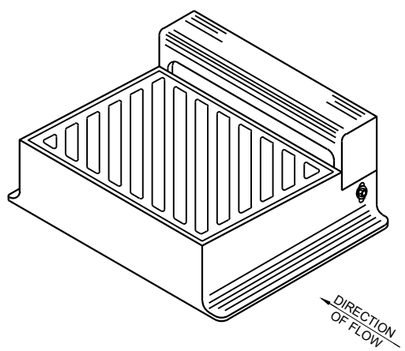
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



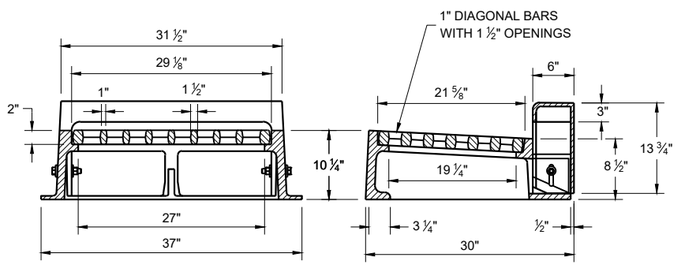
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS TYPES B, B-A, C, MS, MS-A AND WM

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DEPARTMENT OF TRANSPORTATION

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/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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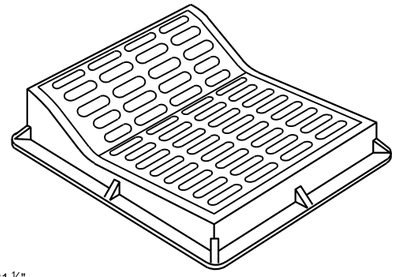
SDD 08A05-21b

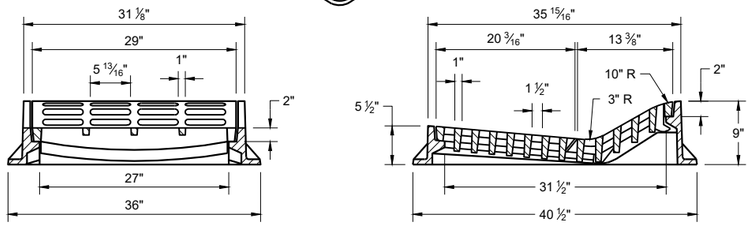
SDD 08A05-21b

GENERAL NOTES

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

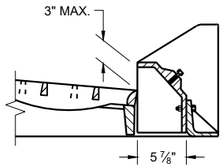
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

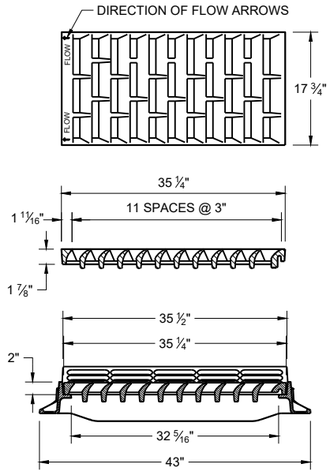


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

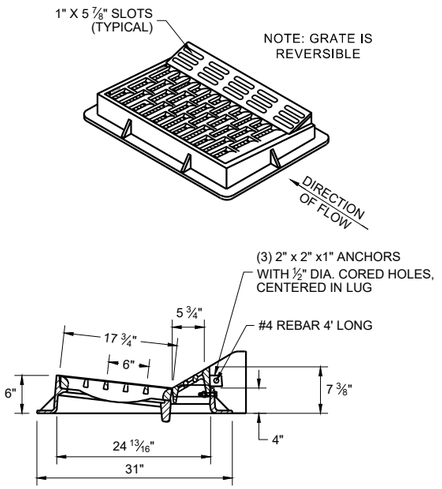
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



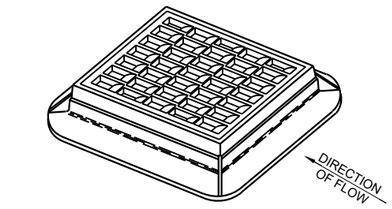
TYPE "HM"

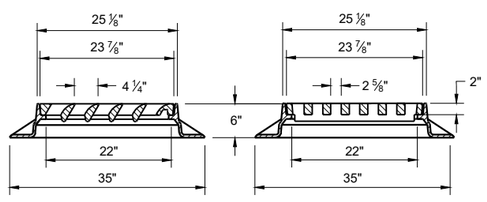
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



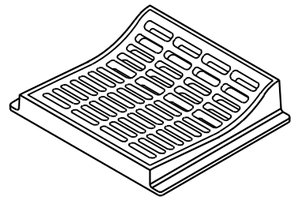
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

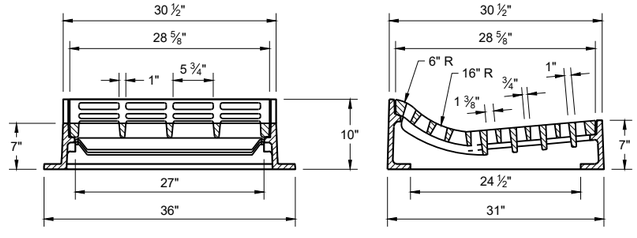
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

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DEPARTMENT OF TRANSPORTATION

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/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

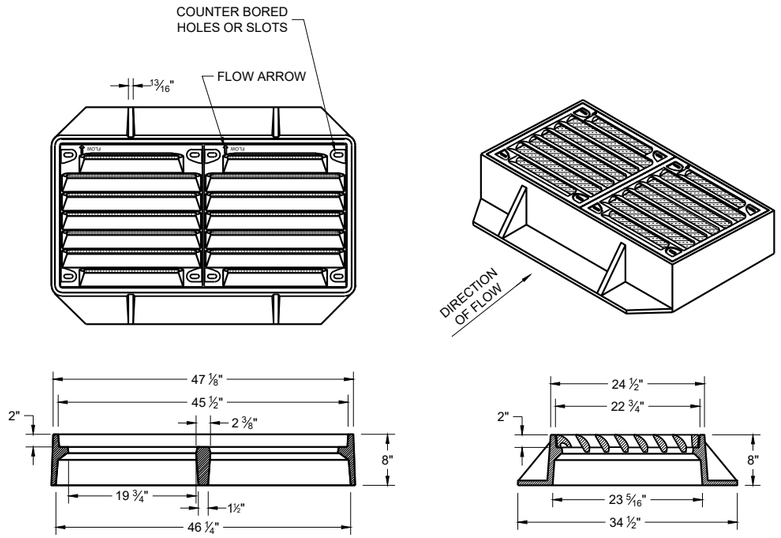
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SDD 08A05-21c

GENERAL NOTES

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

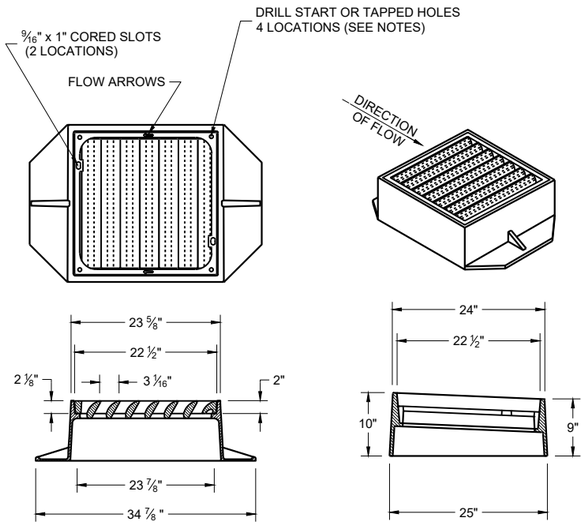
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



TYPE "VV-B"

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER
ALL DRILLING AND TAPPING GRATES AND FRAMES BY CASTING MANUFACTURER

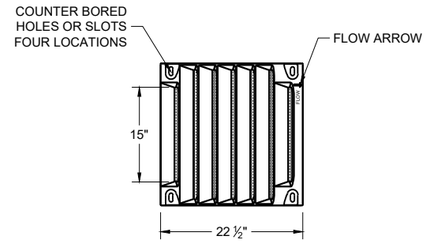
TYPE V
FRAME - CAST GRAY IRON ASTM A48 CLASS 35B
⅜" DIA. X 1/16" DRILL START IN 8 LOCATIONS
GRATE - CAST GRAY IRON ASTM A-48, CLASS 35B



TYPE "V"

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER ALL DRILLING AND TAPPING GRATES AND FRAMES BY CASTING MANUFACTURER

TYPE V
FRAME - CAST GRAY IRON ASTM A48 CLASS 40A
⅜" DIA. X 1/16" DRILL START IN 4 LOCATIONS
GRATE - CAST GRAY IRON ASTM A-48, CLASS 35B



BOLT DOWN GRATE FOR TYPE "V" AND "VV-B" COVER

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER NOTED AS TYPE "V-B" OR "VV-B" (FOR DOUBLE GRATE) ON DRAINAGE TABLE

TAP ½" -13 HOLES IN FOUR LOCATIONS PER GRATE IN FRAME TO BOLT GRATE(S).
FRAME - CAST GRAY IRON ASTM A48 CLASS 40A

GRATE - CAST DUCTILE IRON ASTM A536, 55+KSI YIELD
BOLTS - ½" -13 STAINLESS STEEL BOLTS WITH WASHERS
TORQUE BOLTS TO MANUFACTURER SPECIFICATION DO NOT OVERTIGHTEN.

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SDD 08A05-21d

INLET COVERS
TYPES V, V-B, AND VV-B

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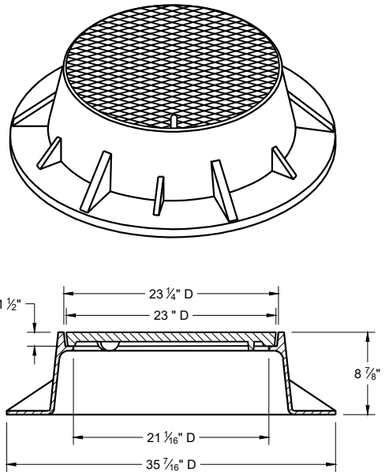
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SDD 08A05-21d

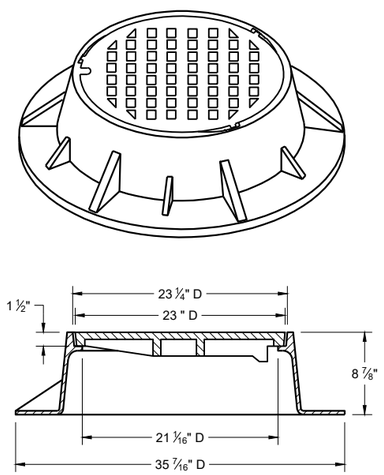
GENERAL NOTES

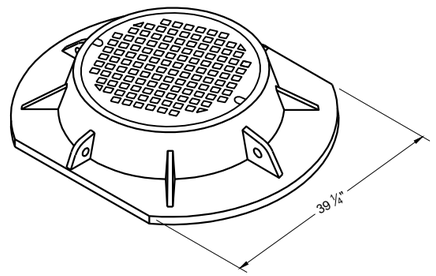
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

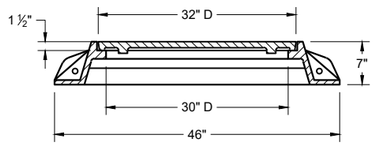
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

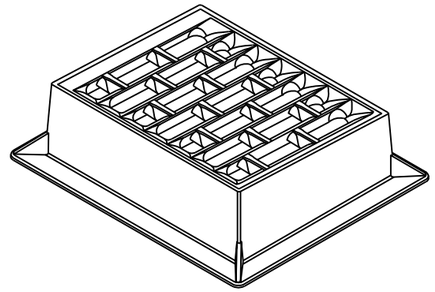


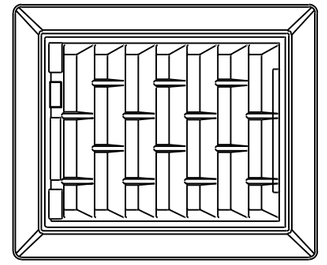


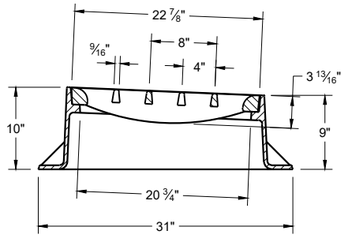


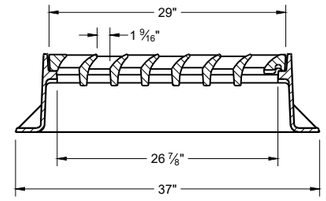


TYPE "K"

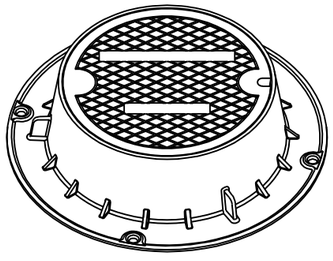


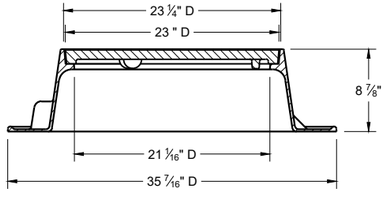






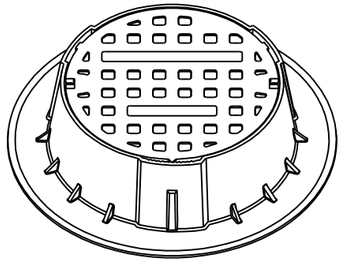
INLET COVER TYPE "BW"

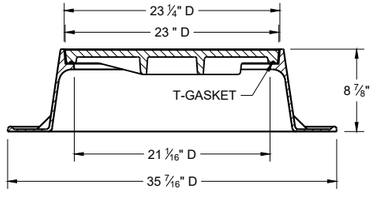




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

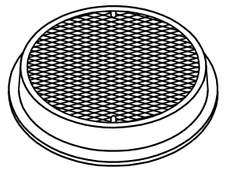


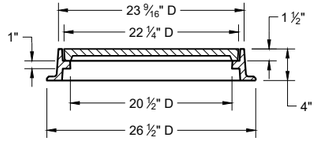


TYPE "J" SPECIAL

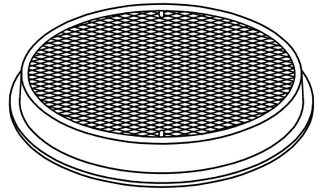
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

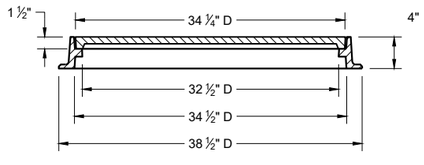
NOTE: EITHER CASTING IS ACCEPTABLE





TYPE "L"





TYPE "M"

INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

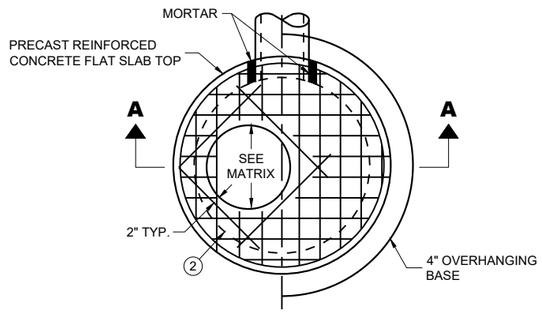
STATE OF WISCONSIN
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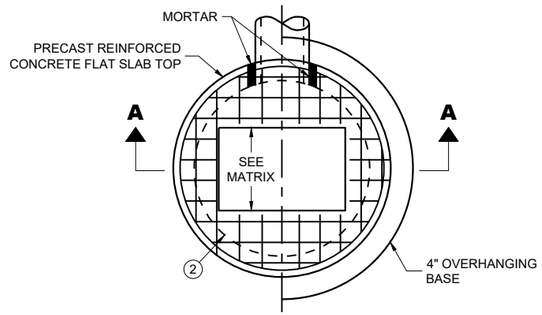
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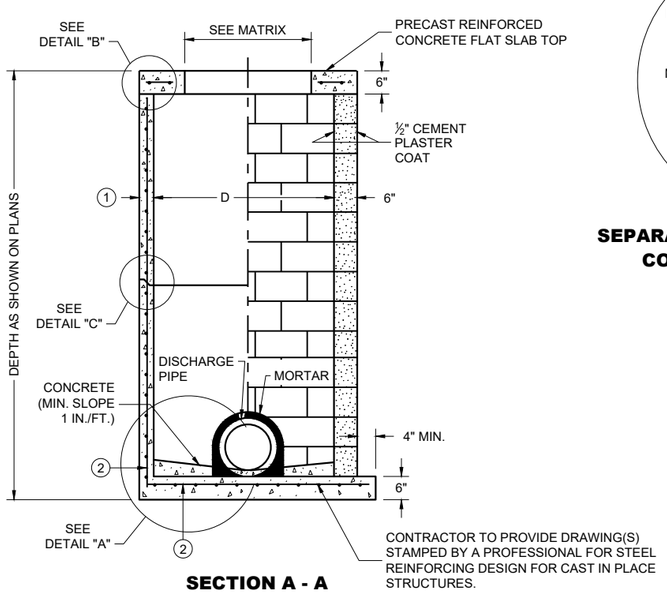
SDD 08A05-21e



PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

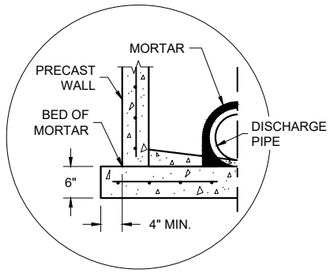
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

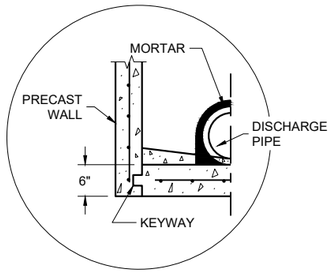
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

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

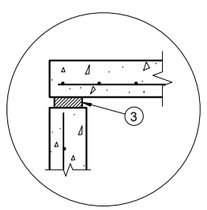


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

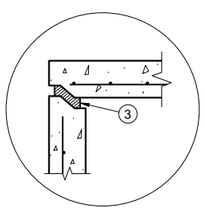


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

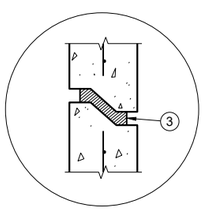
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST 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.

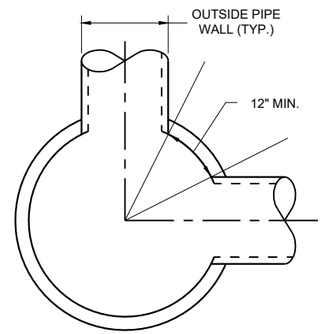
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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 "D".

(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

(2) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

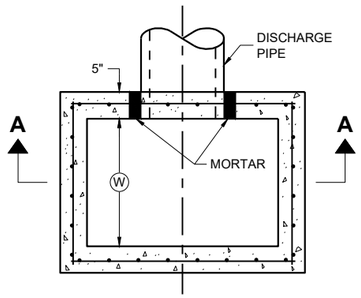
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

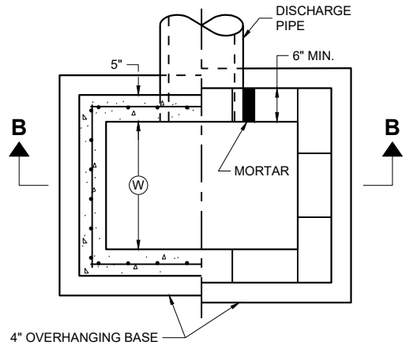
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

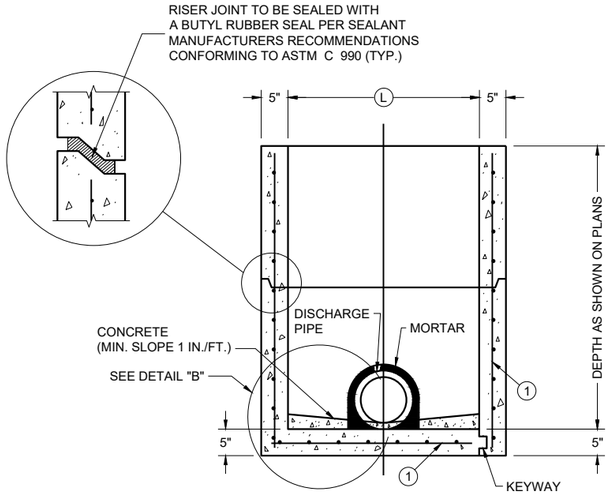
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SDD 08C06-03



PLAN VIEW



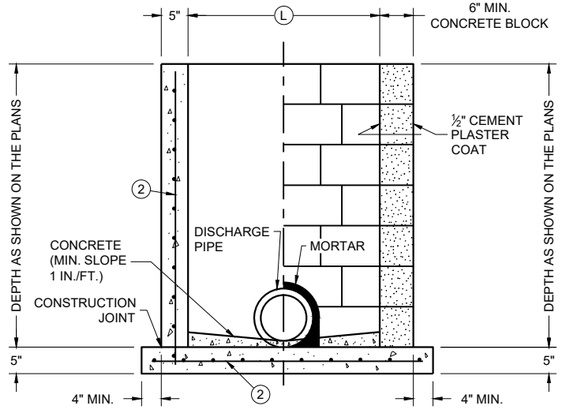
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

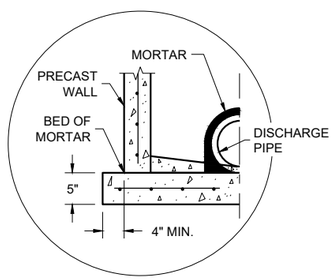
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

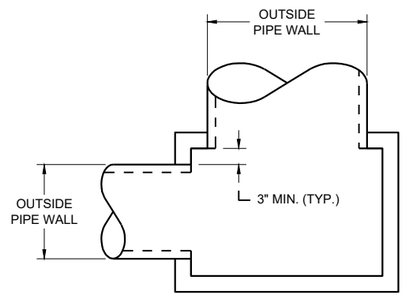
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T 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" 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 AND REINFORCED CONCRETE BASES 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.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

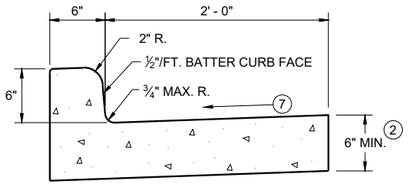
INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

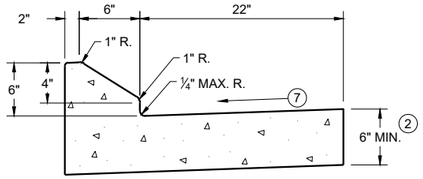
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

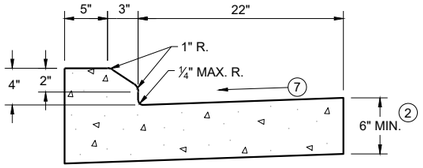
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SDD 08C07-03



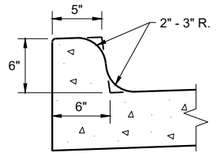
TYPES A (1) & D



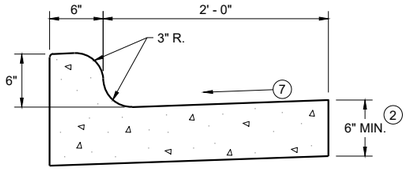
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

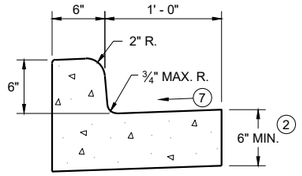


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



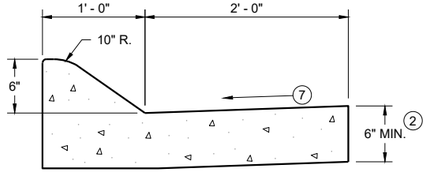
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

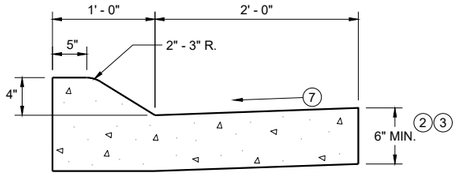


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

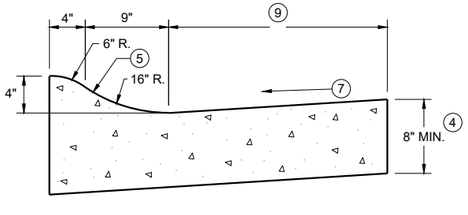


6" SLOPED CURB TYPES A (1) & D



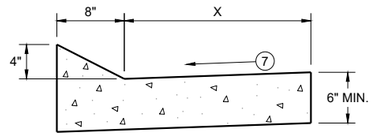
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

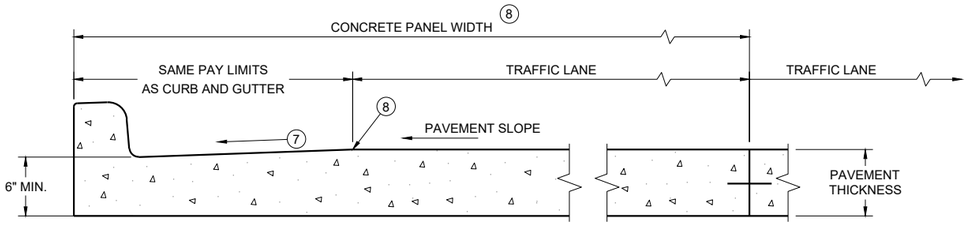


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

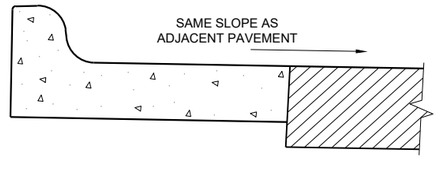
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

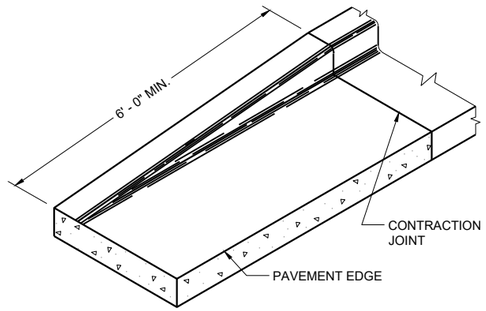
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(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

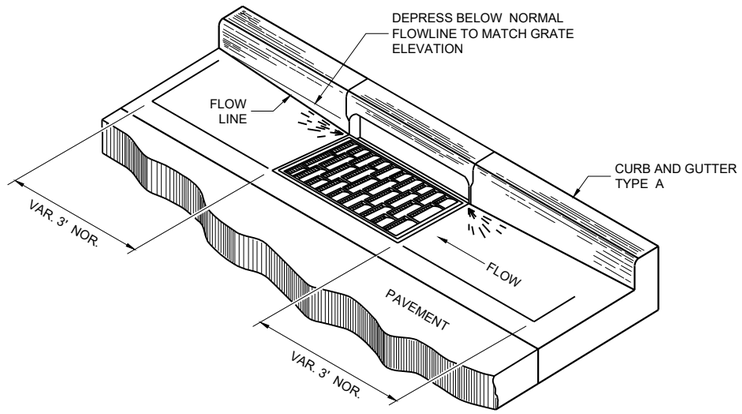
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D01-23a



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

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

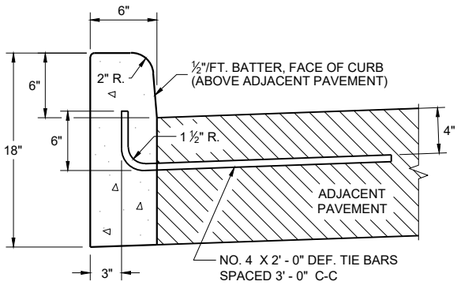
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

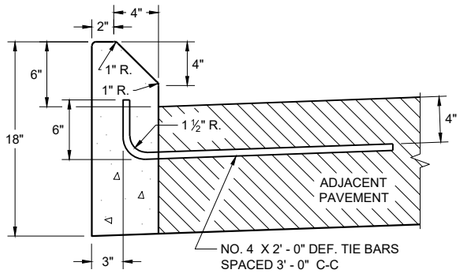
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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

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

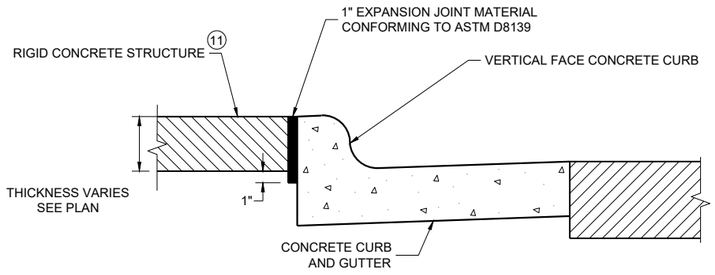


TYPES A (1) & D

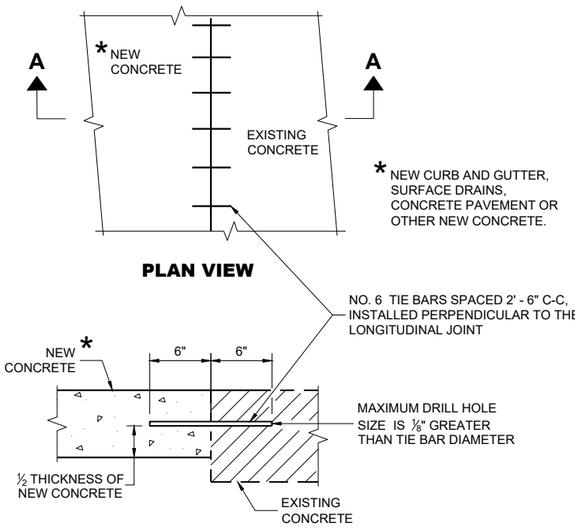


TYPES G (1) & J

CONCRETE CURB



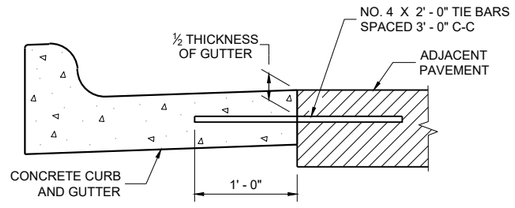
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



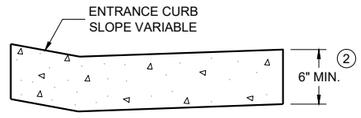
PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

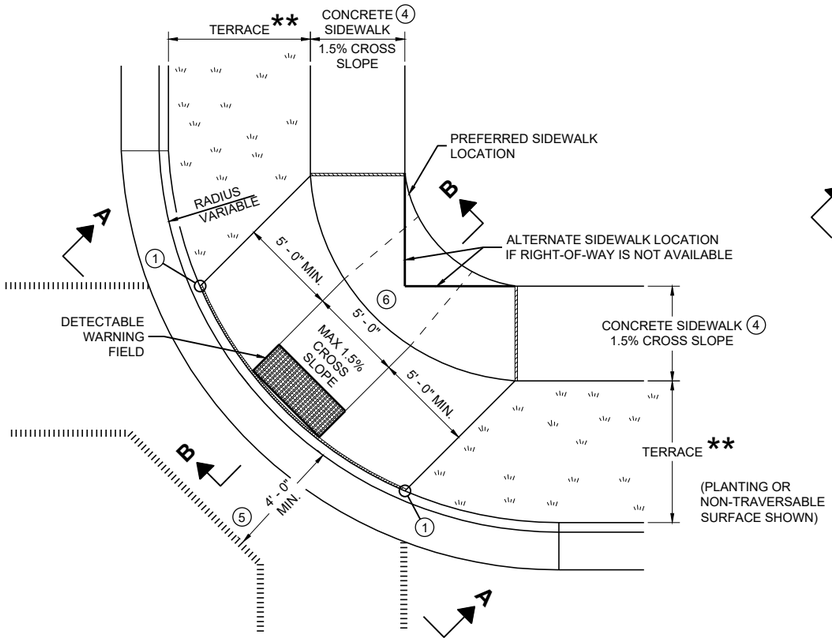
FHWA

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SDD 08D01-23b

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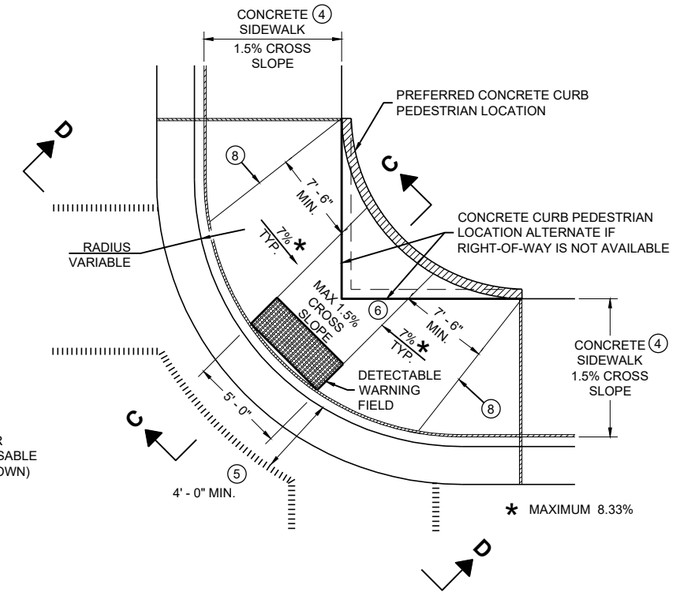
SDD 08D01-23b



PLAN VIEW

CURB RAMP TYPE 1

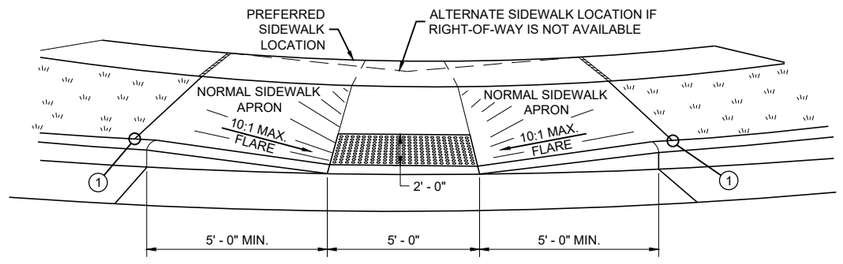
(CENTER OF CORNER RADIUS)



PLAN VIEW

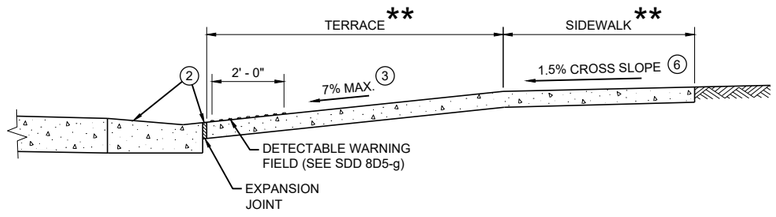
CURB RAMP TYPE 1 - A

(NO TERRACE)

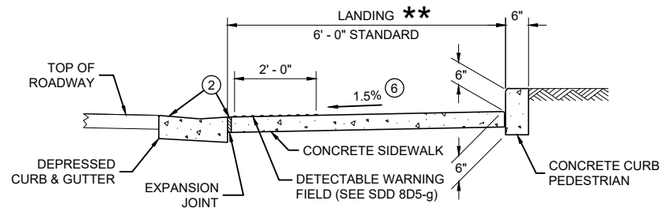


VIEW A - A FOR TYPE 1

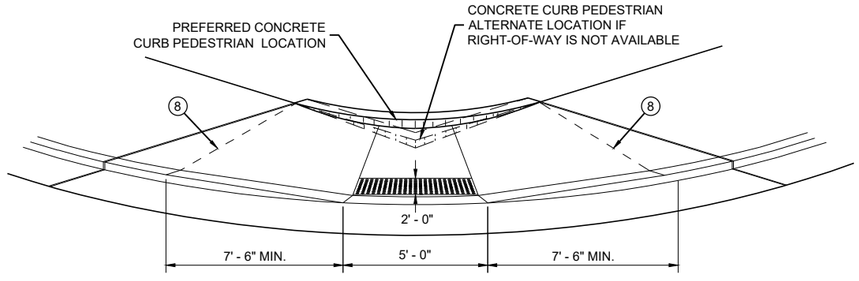
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

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

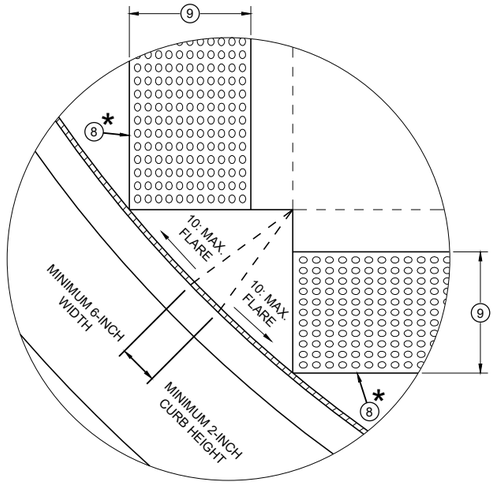
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

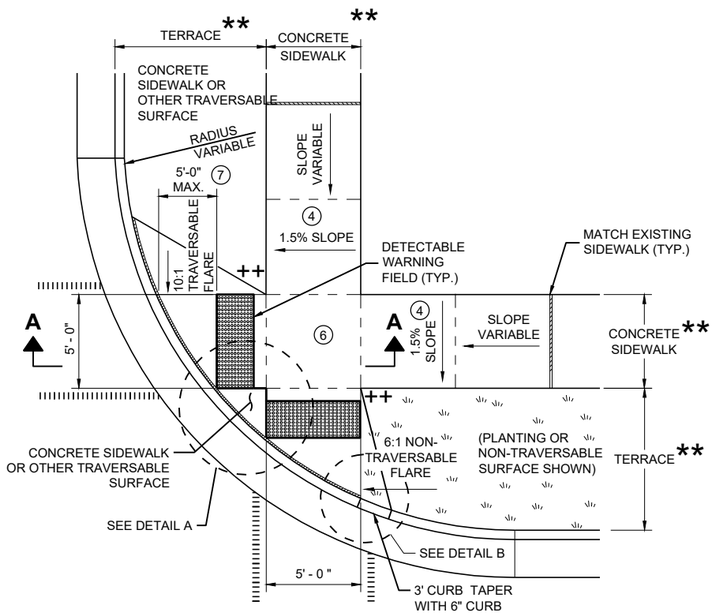
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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.

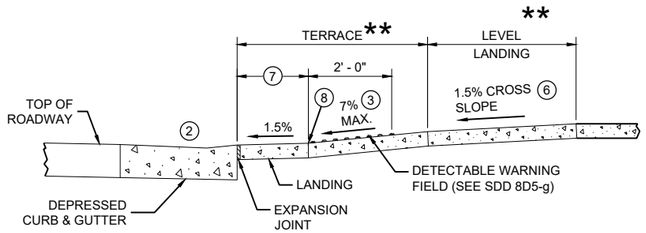
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(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.

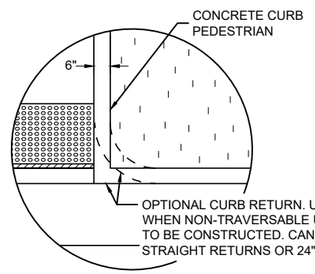


SECTION A - A FOR TYPE 2

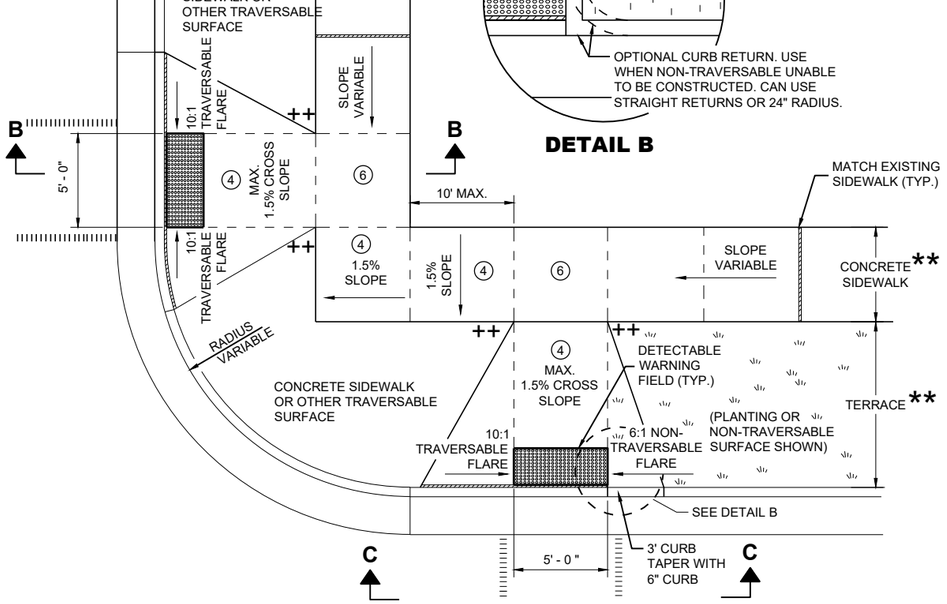
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

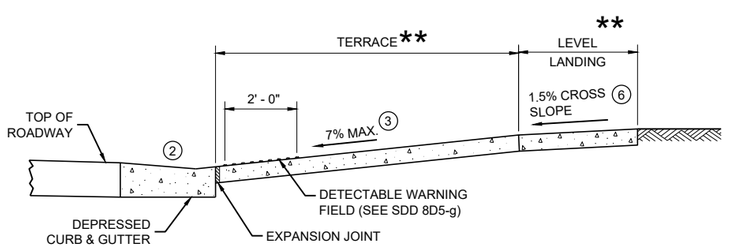
++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



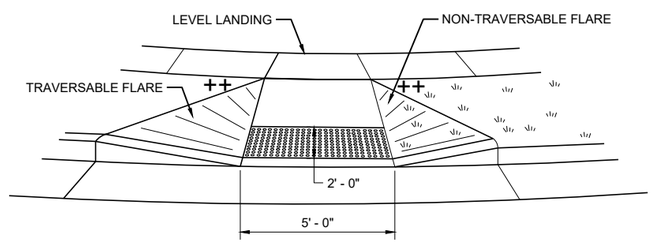
DETAIL B



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



SECTION B - B FOR TYPE 3



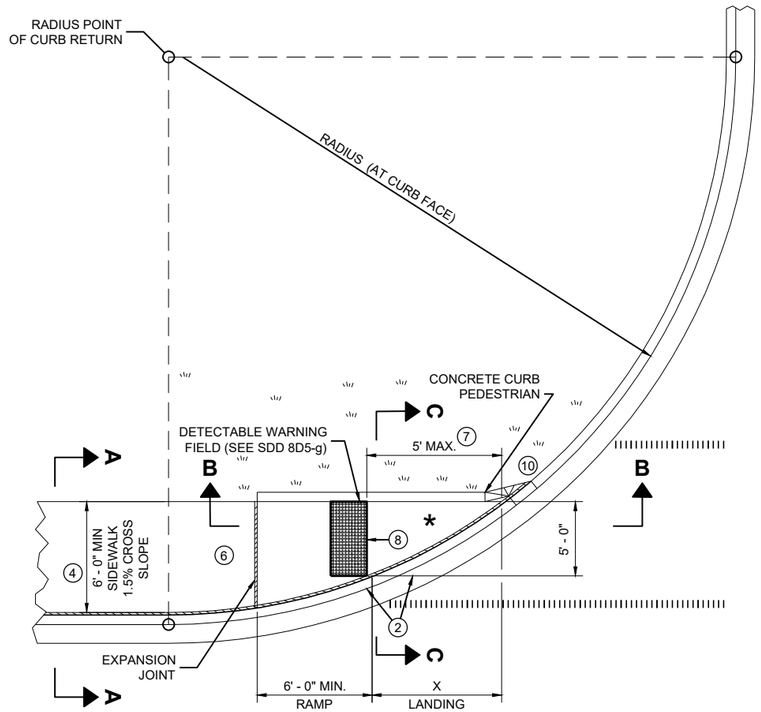
VIEW C - C FOR TYPE 3

LEGEND

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

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

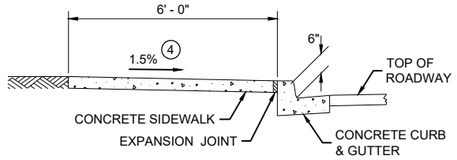


PLAN VIEW

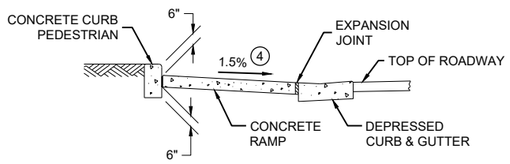
CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

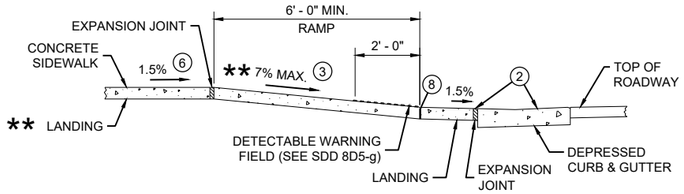
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

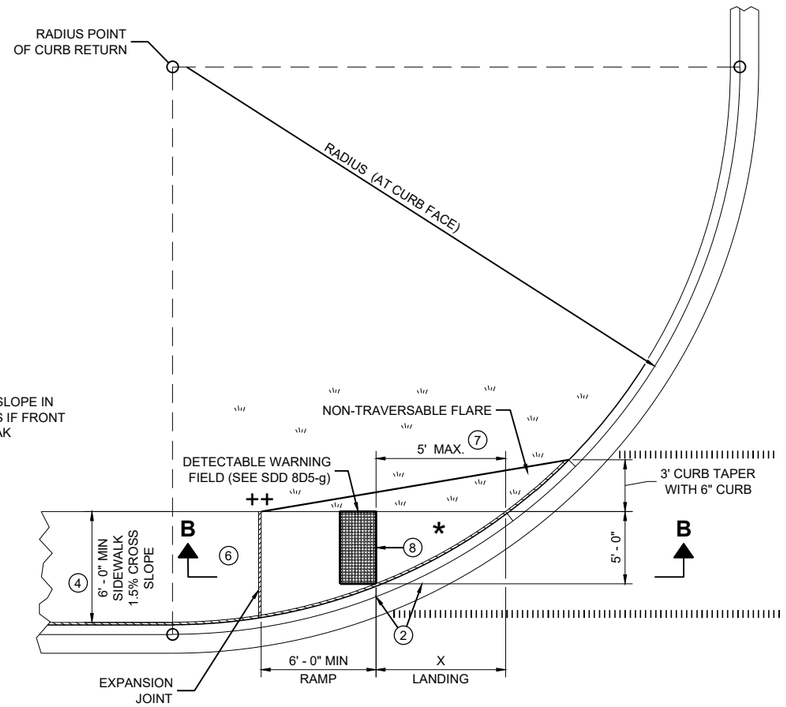


SECTION C - C FOR TYPE 4A



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

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

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.

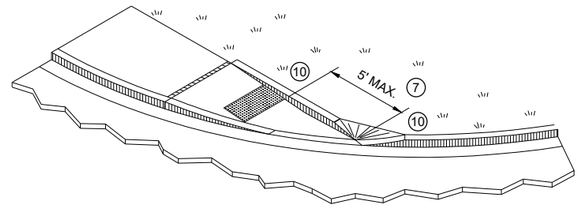
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

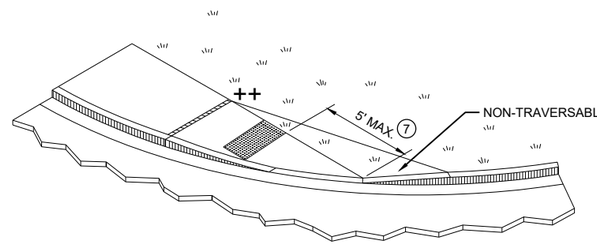
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



ISOMETRIC VIEW FOR TYPE 4A



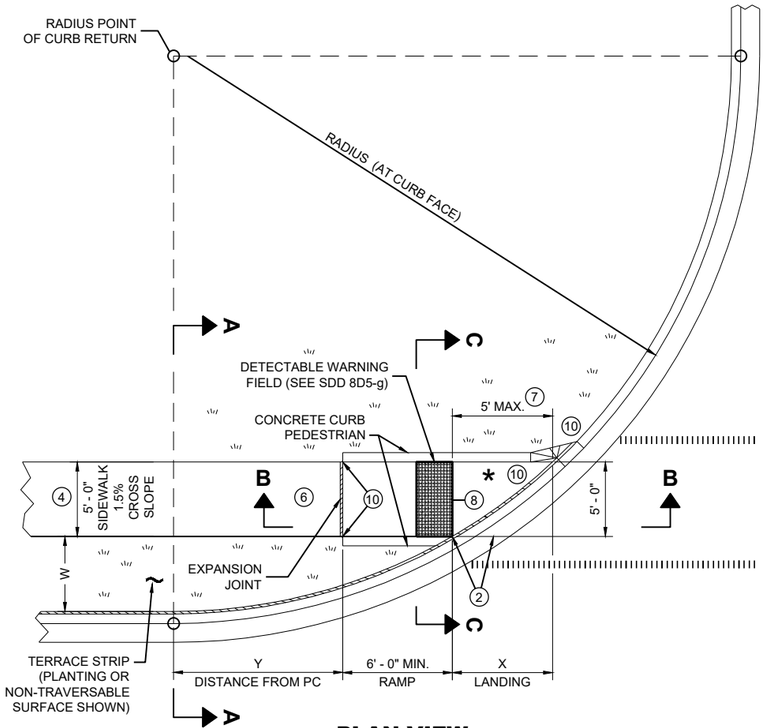
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05-21c

6



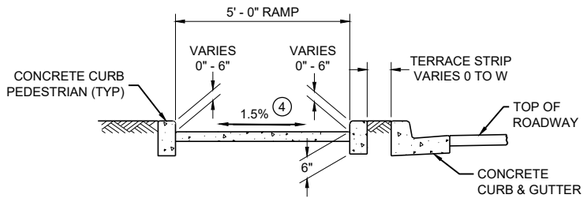
PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

LEGEND

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



SECTION C - C FOR TYPE 4B

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

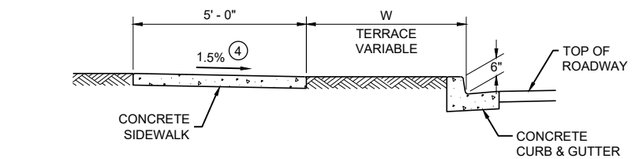
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

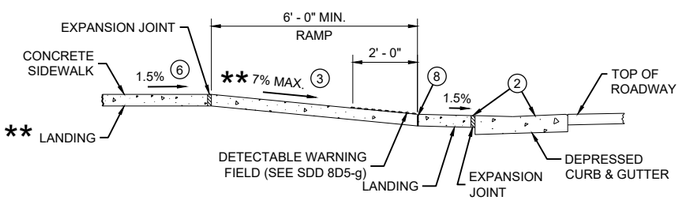
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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

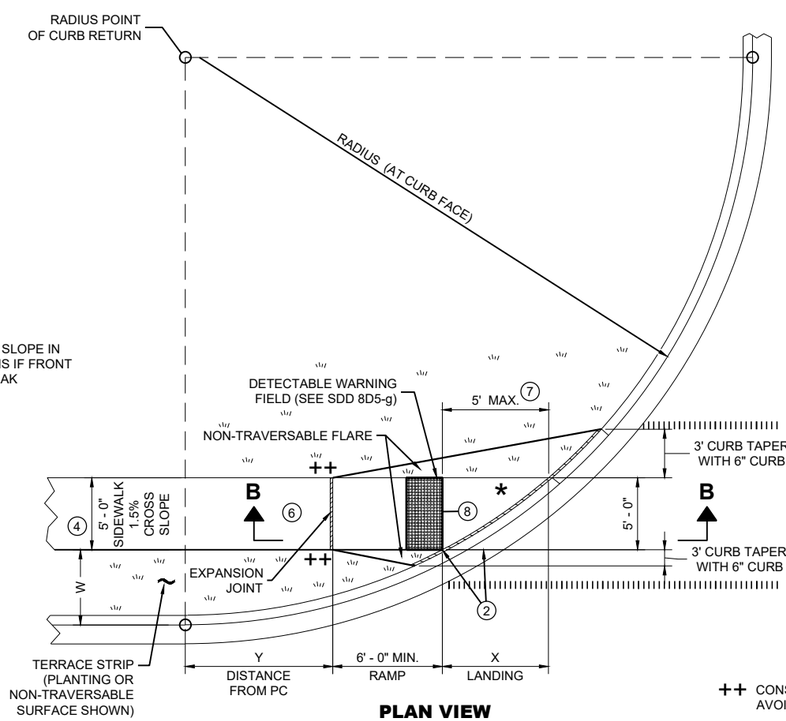


SECTION A - A FOR TYPE 4B



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

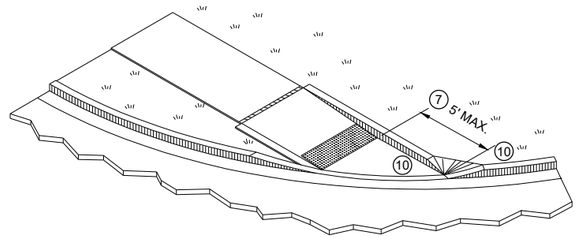
SECTION B - B FOR TYPE 4B AND TYPE 4B1



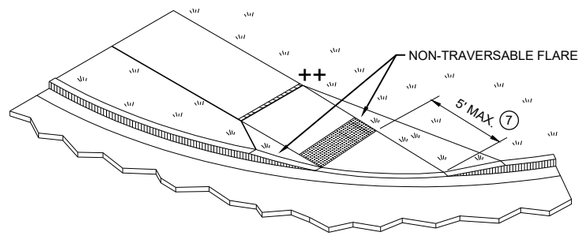
PLAN VIEW
CURB RAMP TYPE 4B1

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

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



ISOMETRIC VIEW FOR TYPE 4B

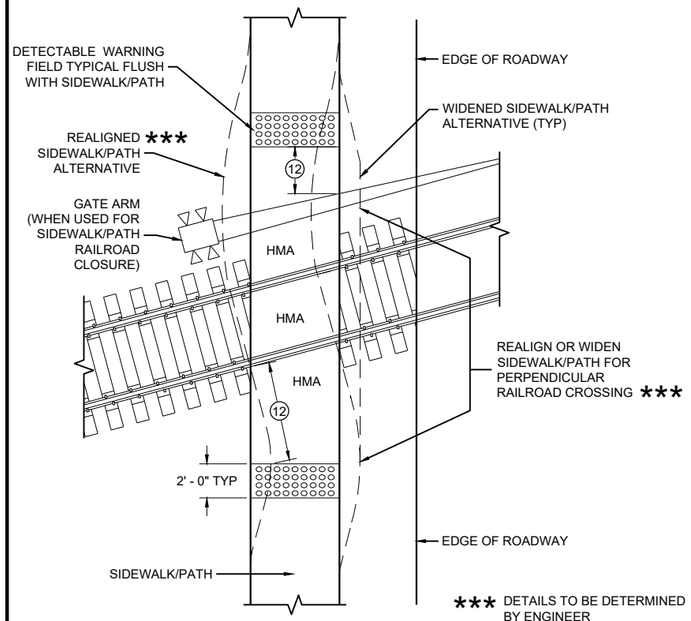


ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

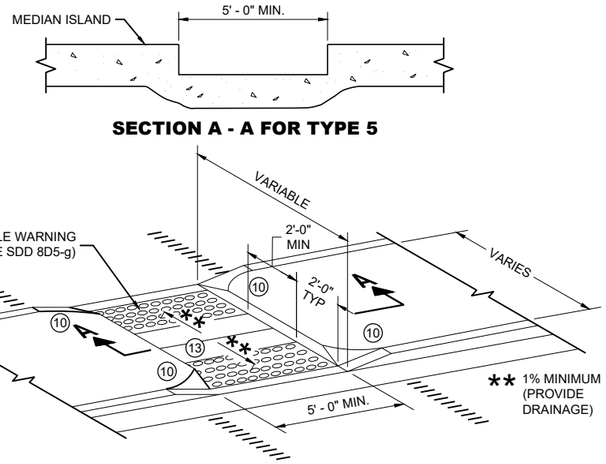
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05-21d



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5

CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

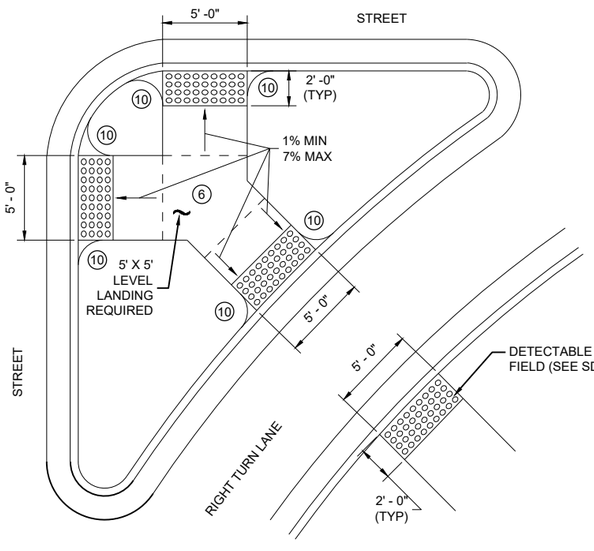
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

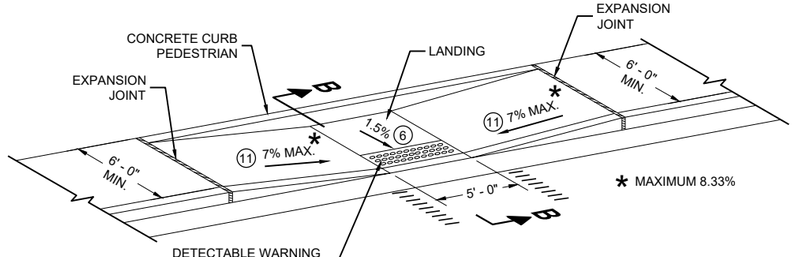
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

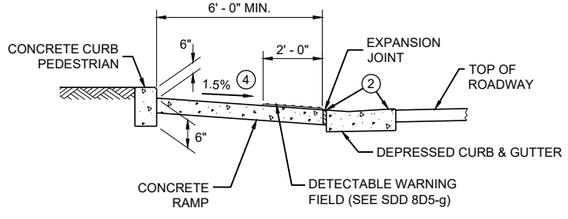
DETECTABLE WARNING AT ISLANDS

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

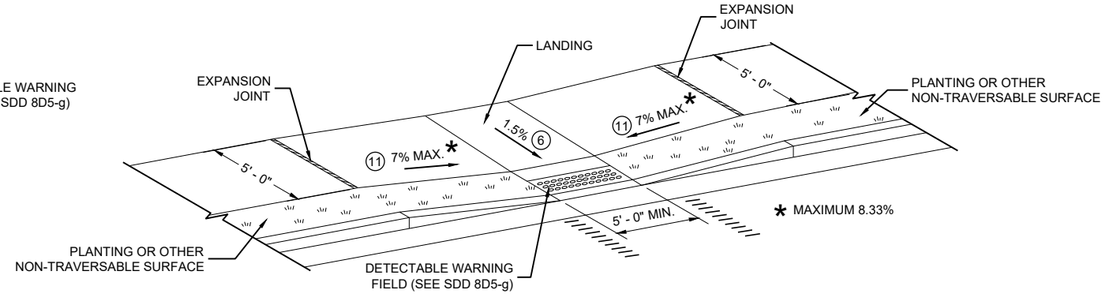


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 7B

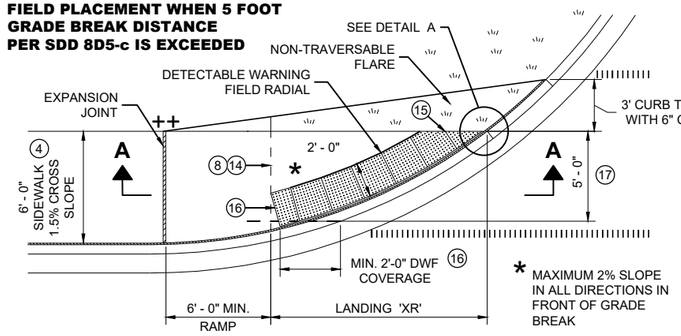
FOR INTERSECTIONS AND MID BLOCK CROSSINGS

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

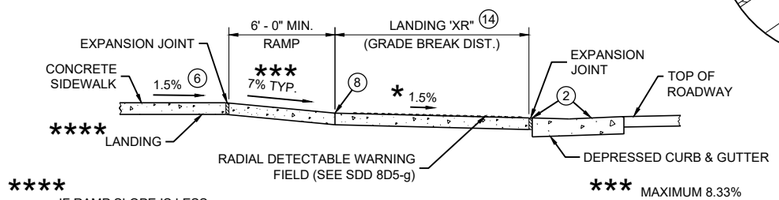
SDD 08D05-21e

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



PLAN VIEW

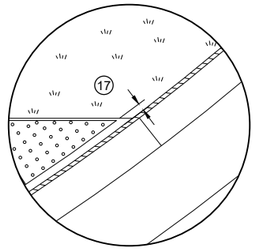
CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** 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.

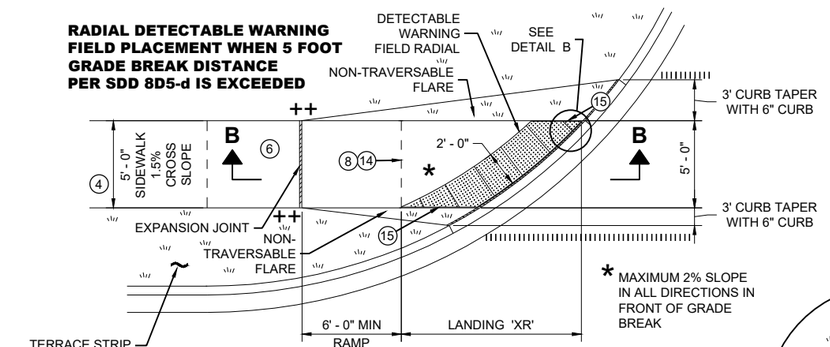
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

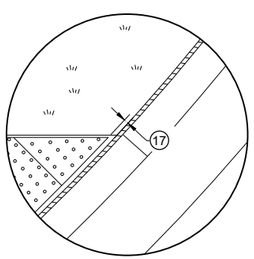
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

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

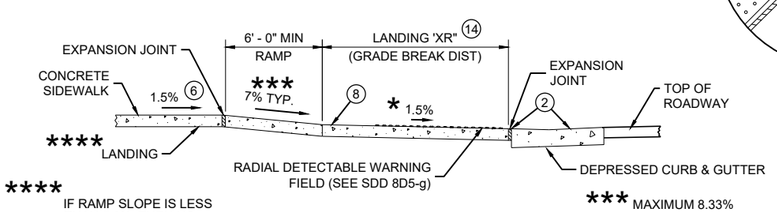


PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

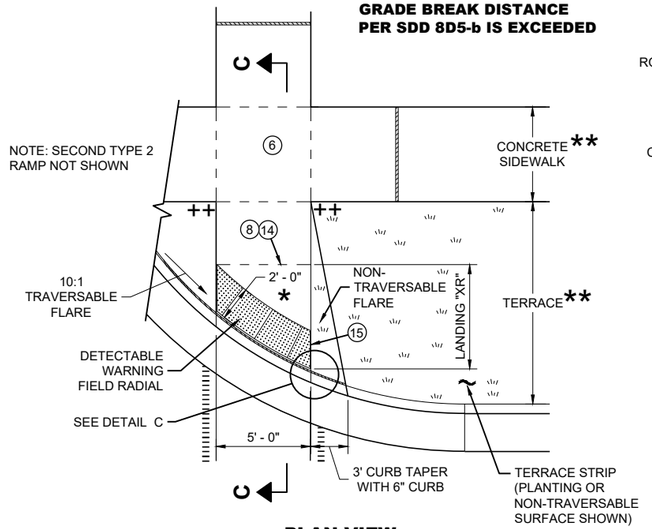


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

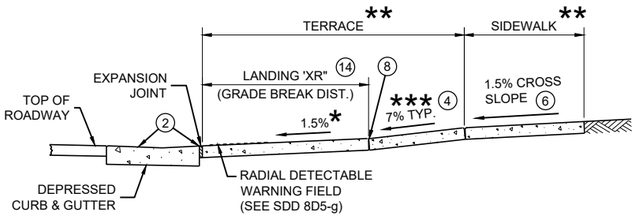
SECTION B - B FOR TYPE 4B1

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

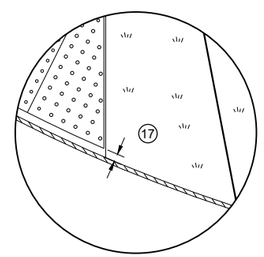


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS
RADIAL DETECTABLE WARNING

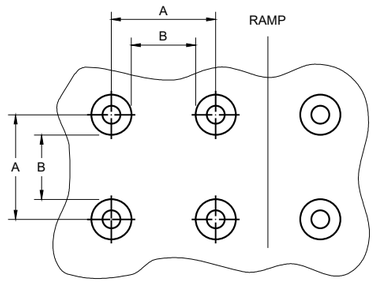
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

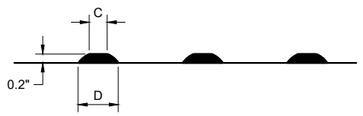
SDD 08D05-21f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

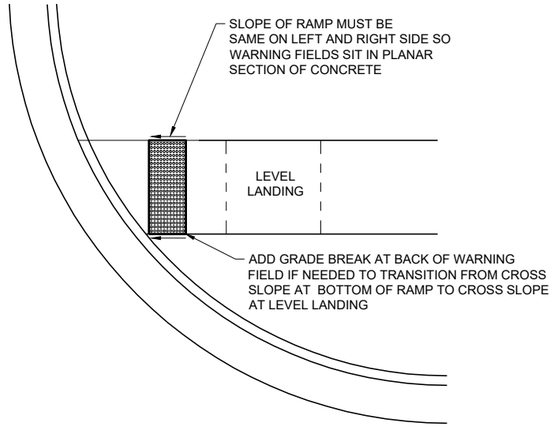
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

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

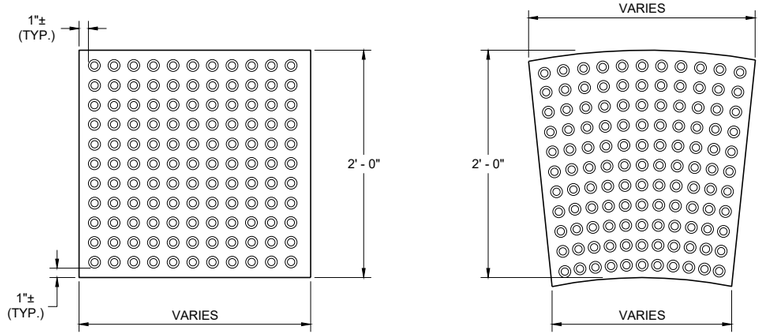
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

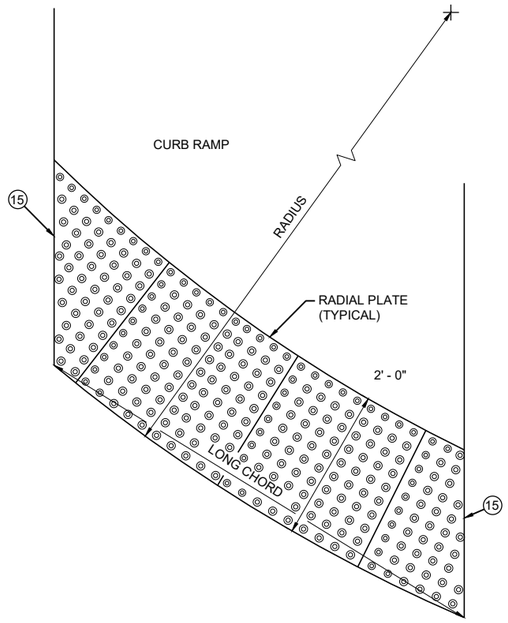
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



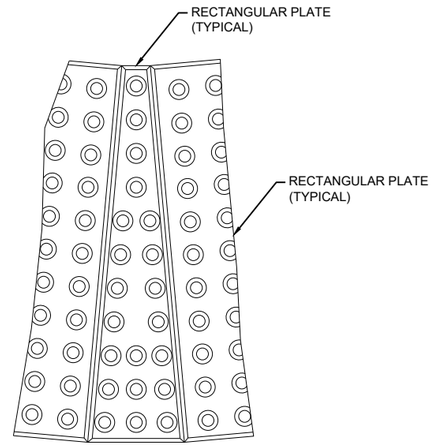
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

July 2023 — DATE

/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

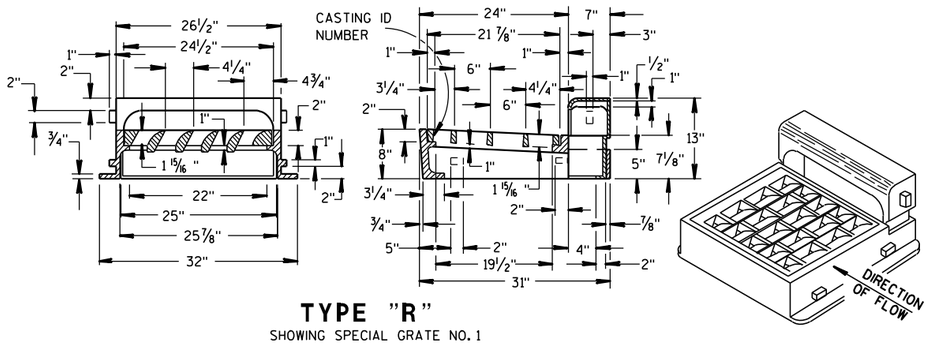
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SDD 08D05-21g

6

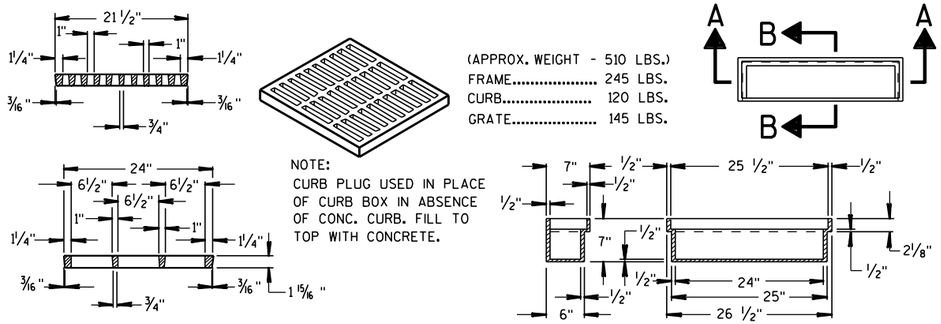
SDD 08D05-21g

INLET COVERS



TYPE "R"

SHOWING SPECIAL GRATE NO. 1
(TO BE NOTED AS R-1 IN DRAINAGE TABLE)



(APPROX. WEIGHT - 510 LBS.)
FRAME..... 245 LBS.
CURB..... 120 LBS.
GRATE..... 145 LBS.

NOTE:
CURB PLUG USED IN PLACE OF CURB BOX IN ABSENCE OF CONC. CURB. FILL TO TOP WITH CONCRETE.

GRATE FOR TYPE "R" INLET COVER

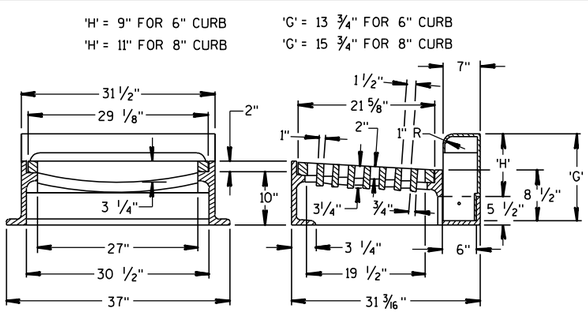
(GRATE..... 150 LBS.)
(TO BE USED UNLESS OTHERWISE NOTED IN DRAINAGE TABLE)

SECTION B-B SECTION A-A

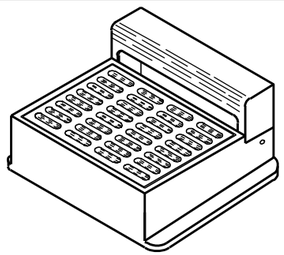
SPECIAL CURB PLUG "P"

(CURB PLUG..... 85 LBS.)
(TO BE NOTED AS R-P IN DRAINAGE TABLE)

'H' = 9" FOR 6" CURB
'H' = 11" FOR 8" CURB
'G' = 13 3/4" FOR 6" CURB
'G' = 15 3/4" FOR 8" CURB

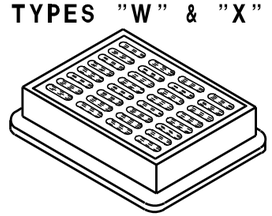


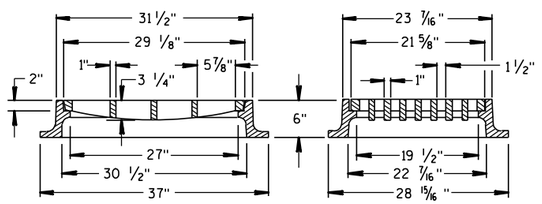
TYPE "W"



(APPROX. WEIGHT - 670 LBS.)
FRAME..... 350 LBS.
CURB BOX..... 135 LBS.
GRATE..... 185 LBS.

ALTERNATE GRATE
(FOR EXPRESSWAY RAMPS)
TYPES "W" & "X"

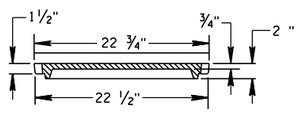




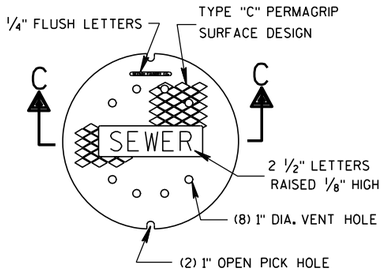
TYPE "X"

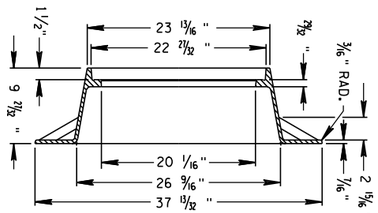
(APPROX. WEIGHT - 470 LBS.)

MANHOLE COVER



SECTION C-C





TYPE "Q"

(APPROX. WEIGHT - 290 LBS.)

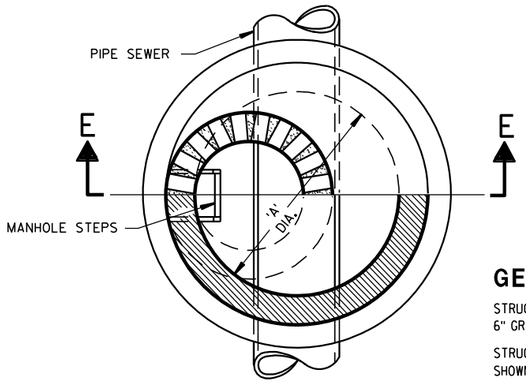
TABLE OF DIMENSIONS

TYPE	'A'	'B'	'C'
11	3'-6"	2'-8"	12" - 36"*
12	4'-0"	3'-8"	12" - 42"**
13	5'-0"	5'-8"	42" - 48"
14	6'-0"	7'-8"	54" - 60"

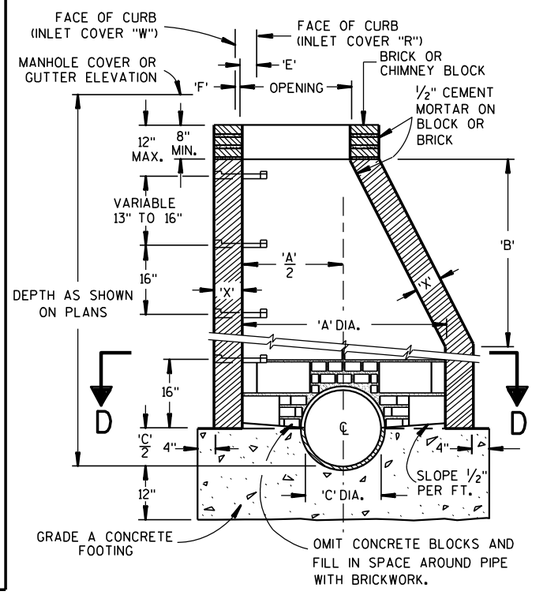
* 12" - 21" FOR PRECAST MANHOLES
** 12" - 24" FOR PRECAST MANHOLES

THE FIRST STEP SHALL BE PLACED 16" ABOVE THE BENCH.

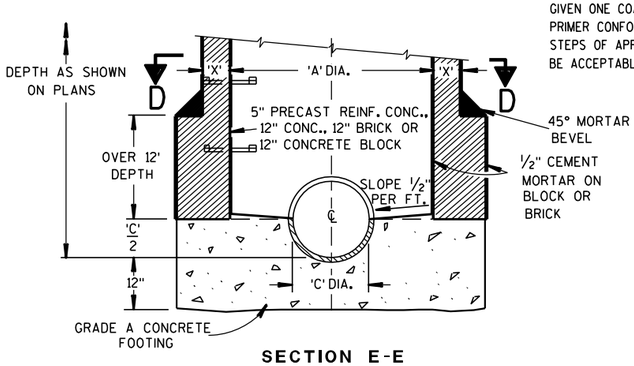
MANHOLE



HALF SECTION D-D



SECTION E-E



SECTION E-E

TYPES 11, 12, 13 & 14

TABLE OF OPENING DIMENSIONS

COVER TYPE	COVER DESCRIPTION	OPENING	'E'	'F'
"O"	ROUND	2'-2" DIA.	—	—
"W"	CURB BOX	1'-8" X 2'-6"	—	1"
"X"	INLET	1'-10" X 2'-6"	—	—
"R"	CURB BOX	2'-0" X 2'-1"	4"	—

GENERAL NOTES

STRUCTURE WALL THICKNESS 'X' TO BE 8" BRICK, 6" CONCRETE BLOCK, 6" GRADE A CONCRETE OR 5" PRECAST REINFORCED CONCRETE.

STRUCTURE FOOTINGS ARE TO BE GRADE A CONCRETE OF THE THICKNESS SHOWN IN THE DETAIL OR 5" PRECAST REINFORCED CONCRETE.

REINFORCEMENT FOR 5" PRECAST REINFORCED CONCRETE SHALL BE 6" X 6" W16 X W16 WELDED SREEL WIRE FABRIC AND SHALL BE EMBEDDED 2" CLEAR.

PRECAST INLET UNITS AND BASES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

PRECAST CONCRETE FLAT SLAB TOPS MAY BE USED ON THE STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6" IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR GRANULAR BACK-FILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

SET FRAME ELEVATION 0.03 FT. LOWER THAN ELEVATION INDICATED ON THE PLANS.

THE CONTRACTOR MAY FORM AND POUR MONOLITHIC CONCRETE INVERT PROVIDED THE PIPE ENDS ARE EXTENDED INTO THE M.H. AND NOT TERMINATED WITHIN THE M.H. WALLS.

MANHOLE STEPS

STEPS MEETING THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH; 16 INCH C-C MAX. SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM WALL EMBEDMENT OF 3 INCHES IN PRECAST MANHOLE AND 6 INCHES IN 8 INCH BRICK OR 6 INCH BLOCK MANHOLE; TREAD OF STEP SHALL HAVE A NON-SKID SURFACE AND BE FLANKED BY CLEATS, WITH A MINIMUM OF 10 INCHES CLEAR BETWEEN CLEATS, TO PREVENT FOOT SLIPPING OFF THE EDGE CLEATS SHALL BE A MINIMUM OF 3/4 INCH HIGH BY 3/4 INCH WIDE HAVING A MINIMUM THICKNESS OF 3/8 INCH. STEPS SHALL BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 300 LBS. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT. STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCING BAR WILL BE ACCEPTABLE.

MANHOLES, MANHOLE & INLET COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

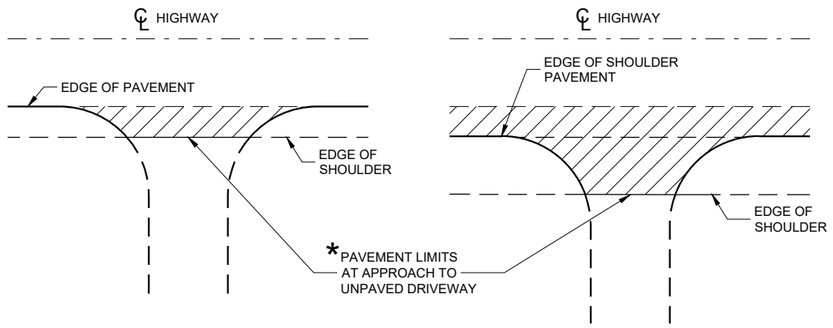
APPROVED
4/12/2011 — DATE
/S/ Jerry H. Zogg — ROADSIDE STANDARDS ENGINEER 742
FHWA

S.D.D. 8 D 17-6

S.D.D. 8 D 17-6

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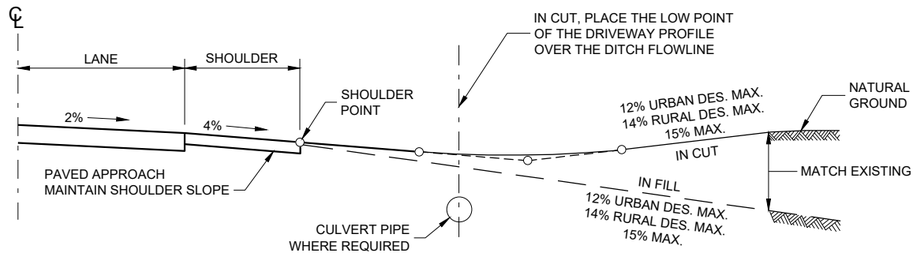
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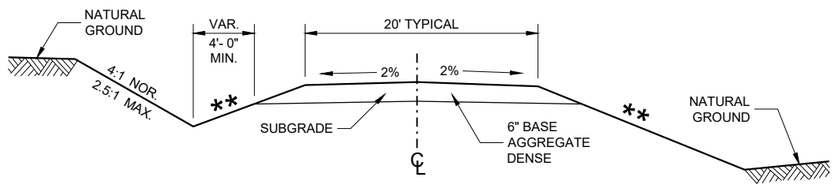
PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB AND GUTTER OR SIDEWALK)



TYPICAL DRIVEWAY PROFILES

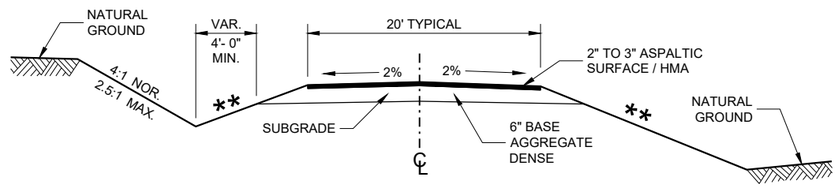


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

** SLOPE CAN VARY WITH SPEED. SEE 11-45-30.6.2

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥ 35 TO < 60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

6

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SDD 08D21 - 01

SDD 08D21 - 01

DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

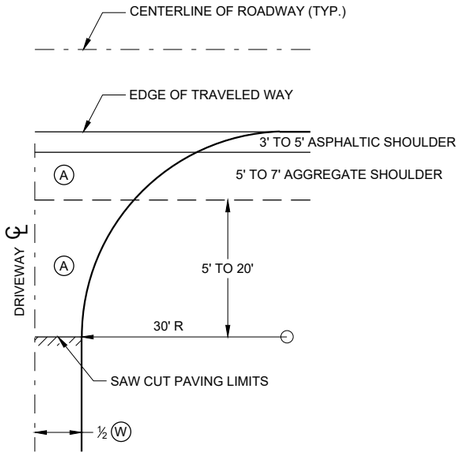
APPROVED
December 2017
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

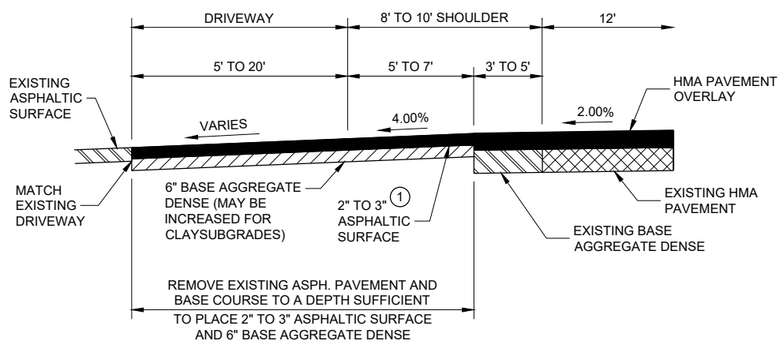
GENERAL NOTES

(1) DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.



PLAN VIEW

HALF SECTION



PROFILE VIEW

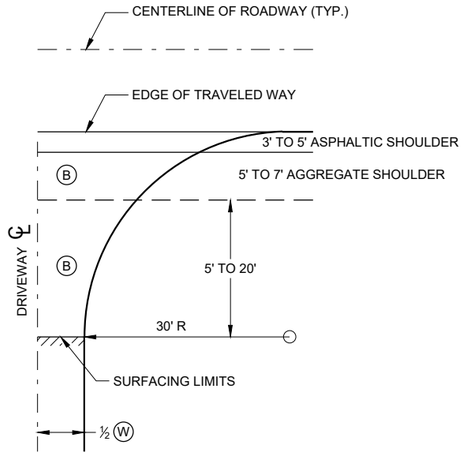
RURAL ENTRANCE WITH ASPHALTIC SURFACE

RESURFACING PROJECTS

(A) : PAID FOR AS ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES. (TON)

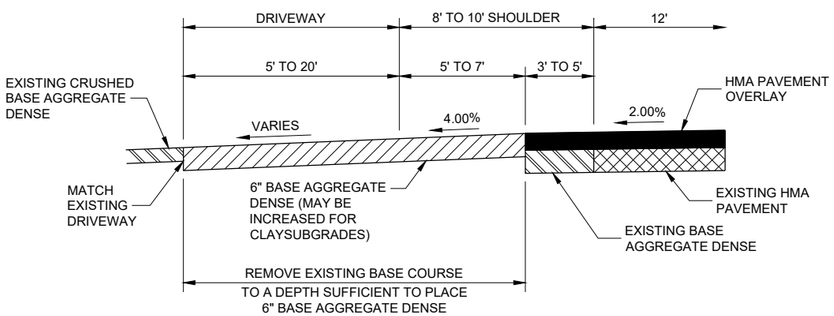
(B) : PAID FOR AS BASE AGGREGATE DENSE 1 ¼" (TON)

(W) : DRIVEWAY WIDTH 16' MIN. - 24' MAX.



PLAN VIEW

HALF SECTION



PROFILE VIEW

RURAL ENTRANCE WITH AGGREGATE SURFACE

6" BASE AGGREGATE DENSE

RESURFACING PROJECTS

DRIVEWAYS WITHOUT CURB AND GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

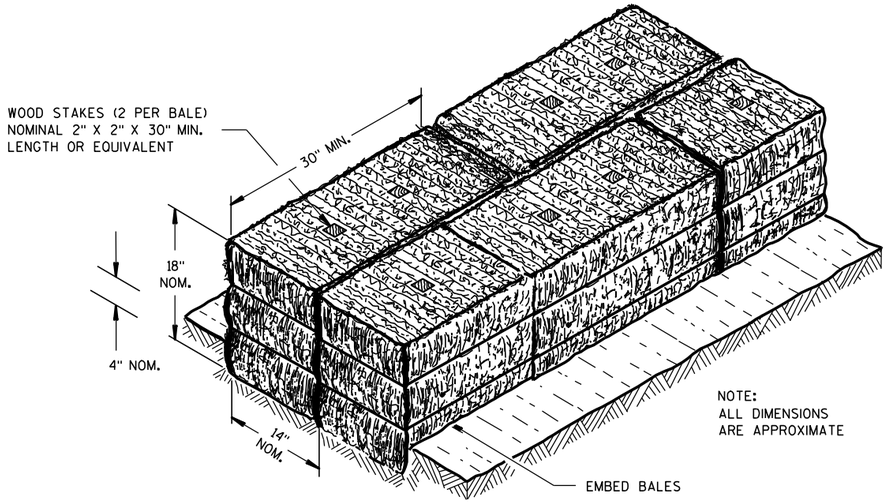
APPROVED
December 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
744
FHWA

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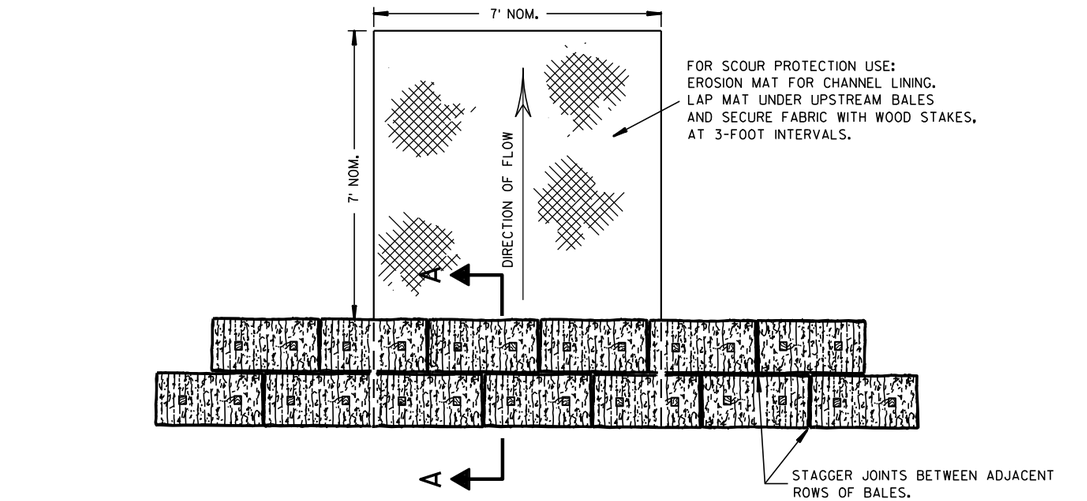
SDD 08D22 - 01

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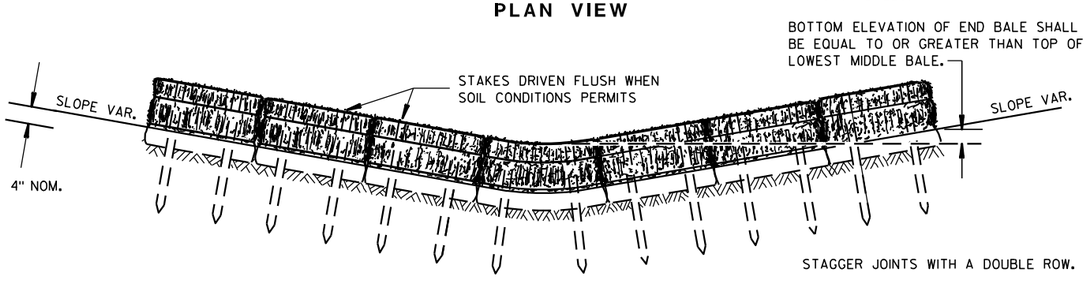
SDD 08D22 - 01



SECTION A-A



PLAN VIEW



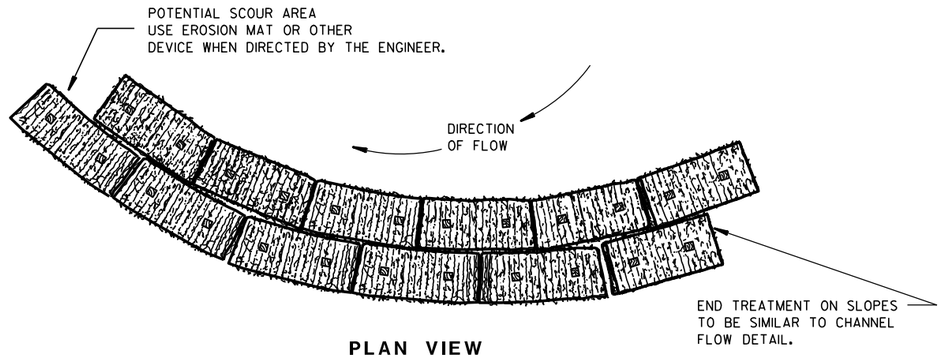
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

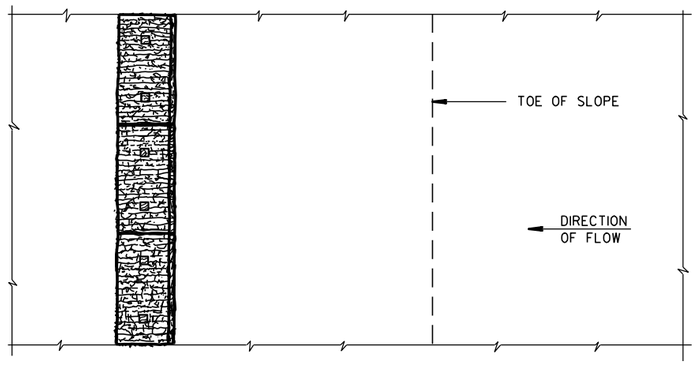
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

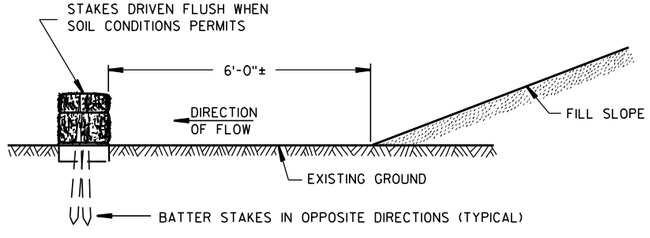


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

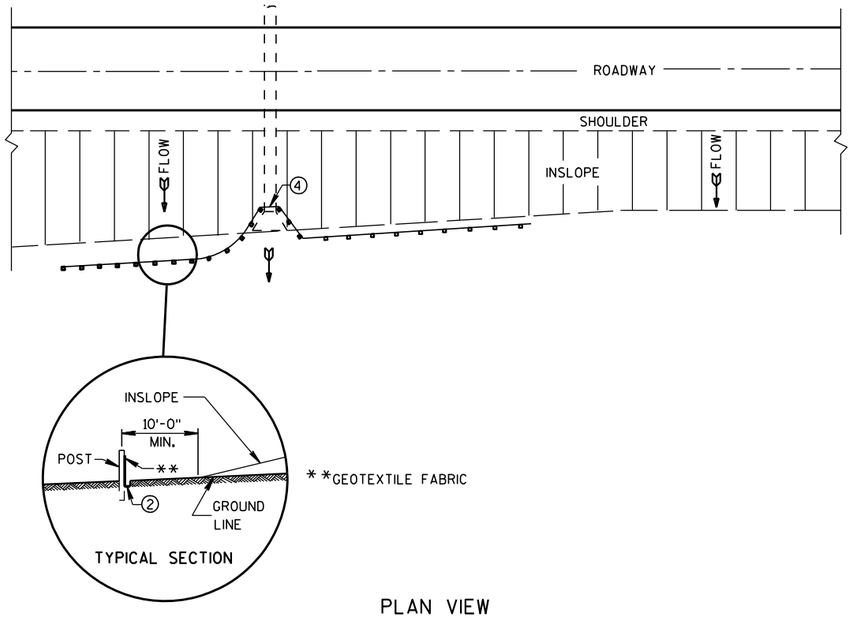
6/04/02 DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

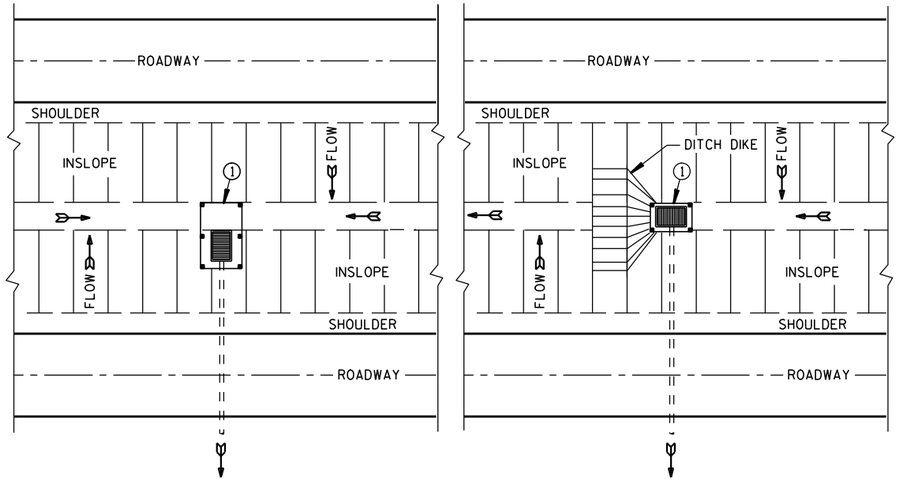
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



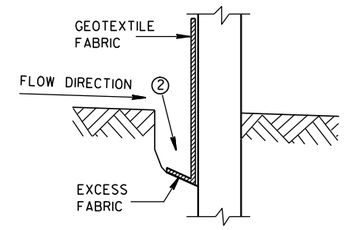
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

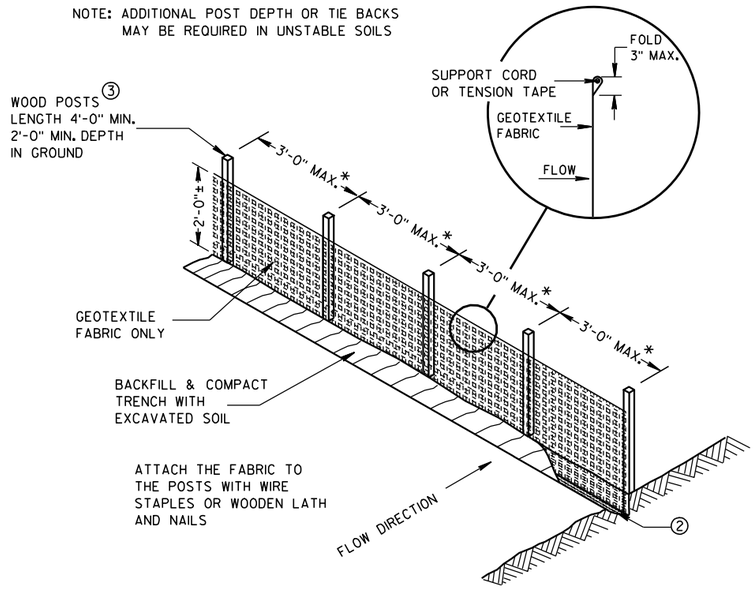
GENERAL NOTES

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

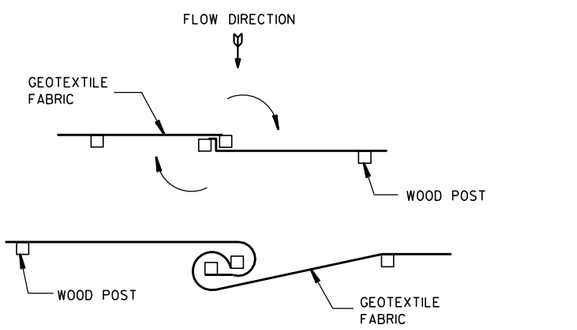
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL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



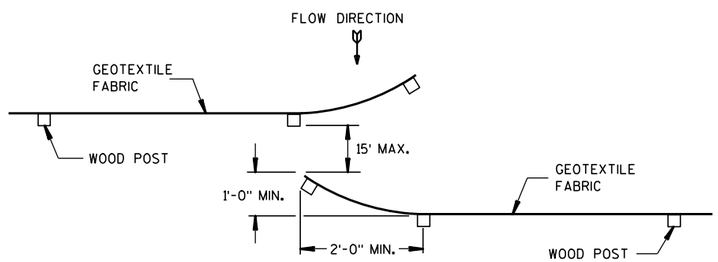
TRENCH DETAIL



SILT FENCE

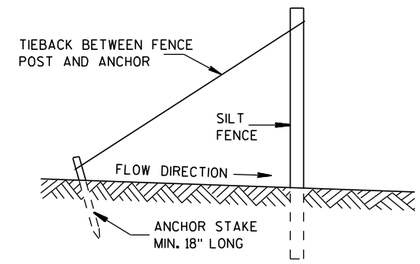


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

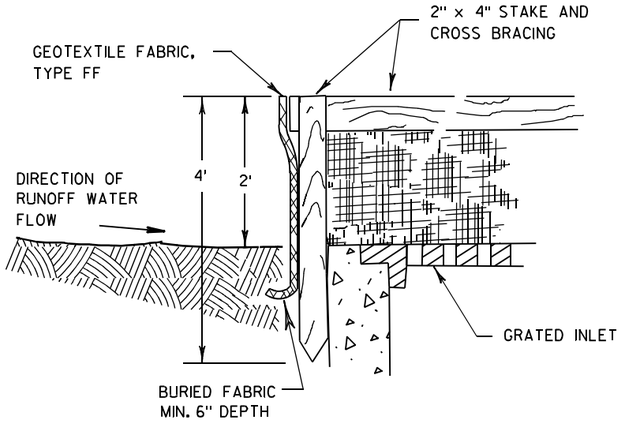
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

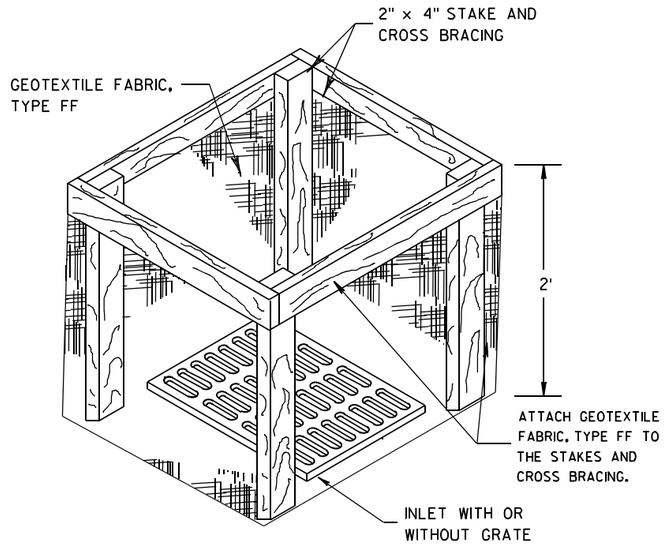
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S.D.D. 8 E 9-6

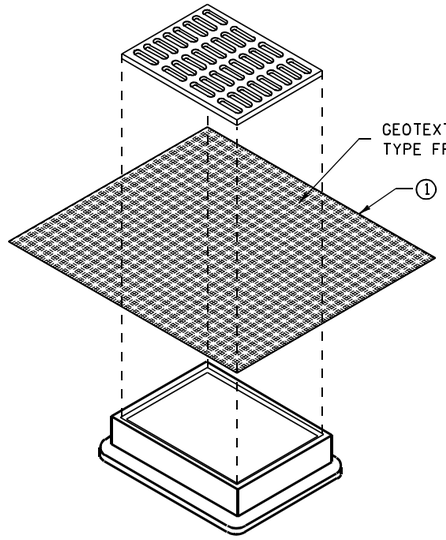
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S.D.D. 8 E 9-6



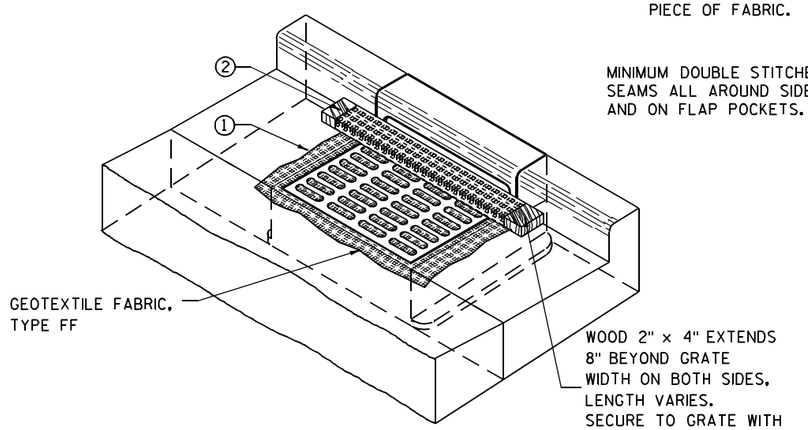


INLET PROTECTION, TYPE A

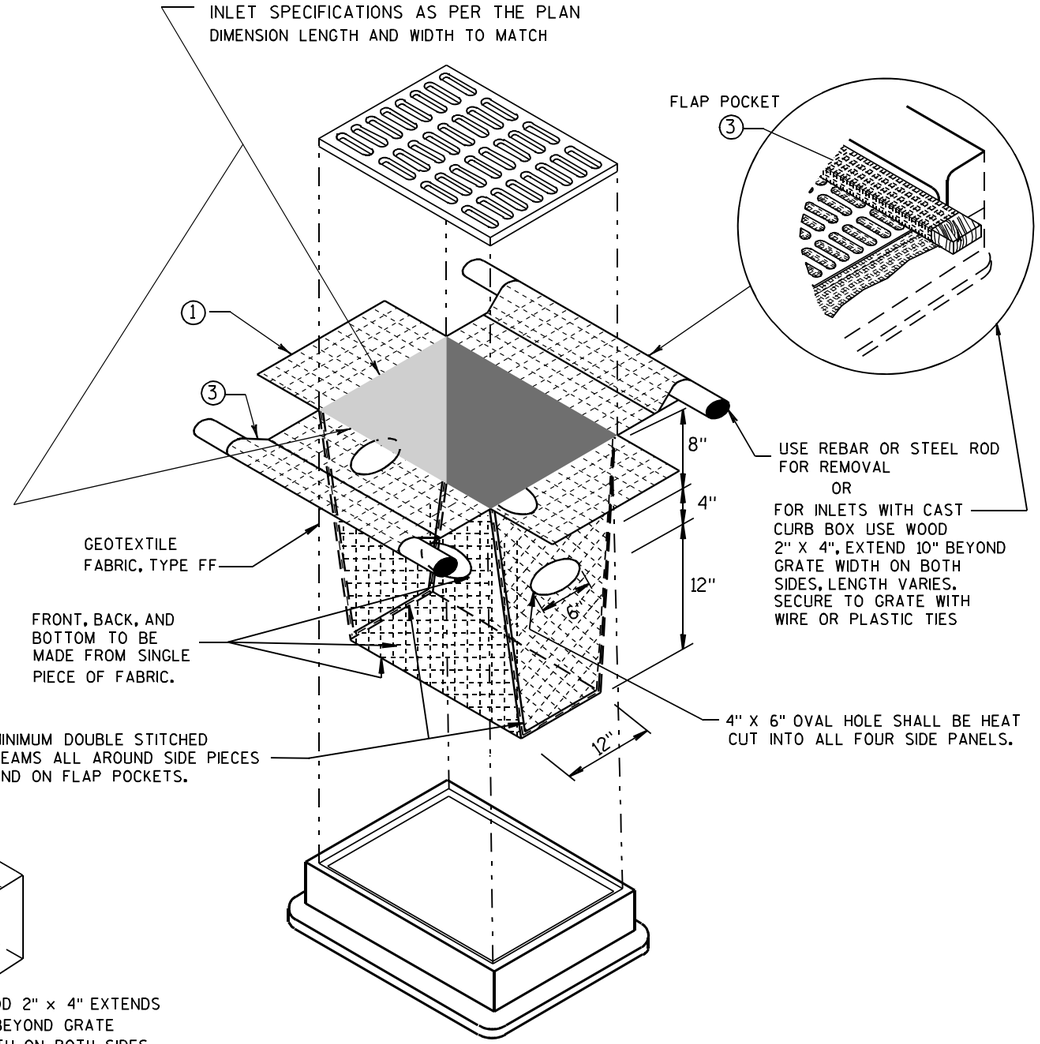


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

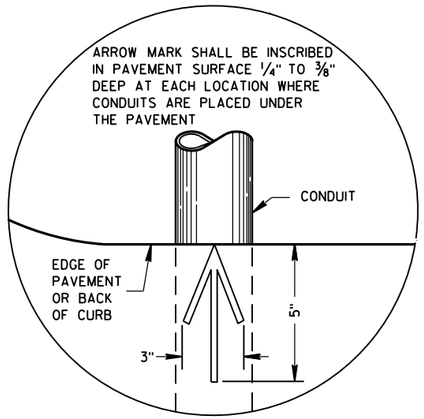
FHWA

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S.D.D. 8 E 10-2

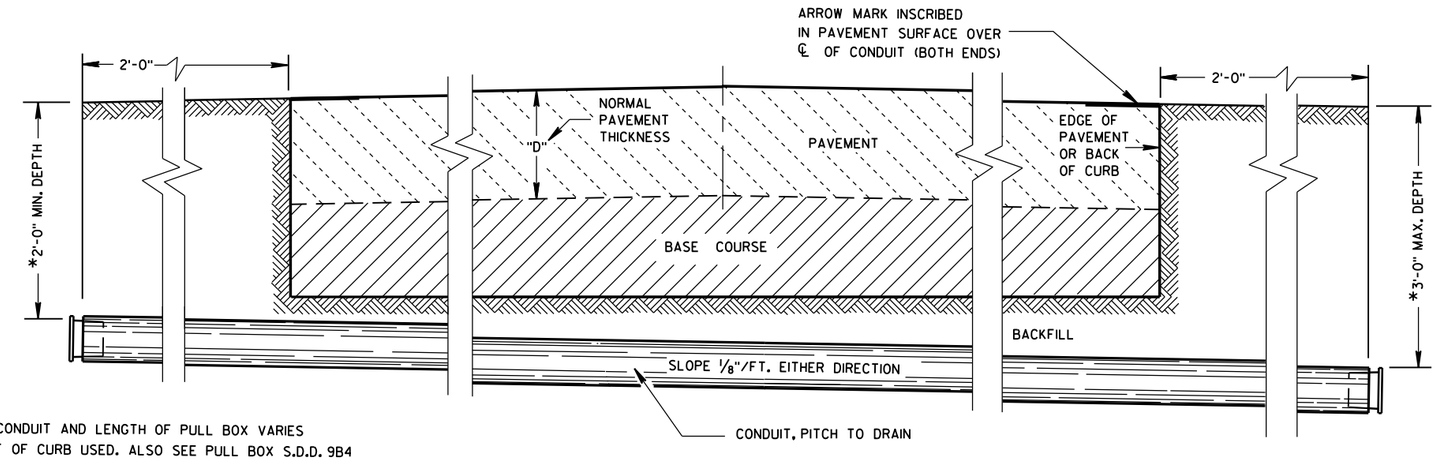
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S.D.D. 8 E 10-2



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

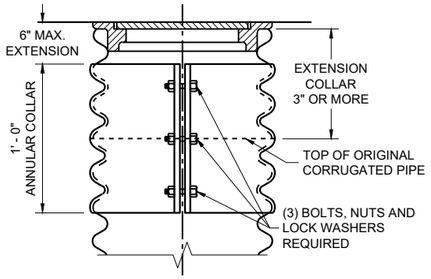
APPROVED
March, 2017
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL 748

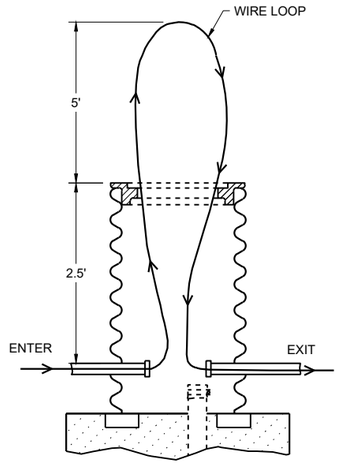
FHWA

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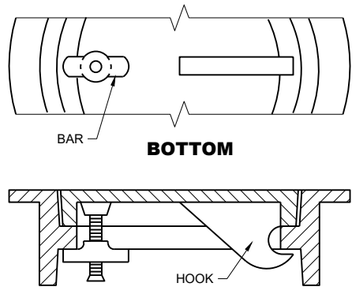
S.D.D. 9 B 2-10



CORRUGATED PIPE EXTENDER



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



BOTTOM

SECTION

ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

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 ¼".

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.

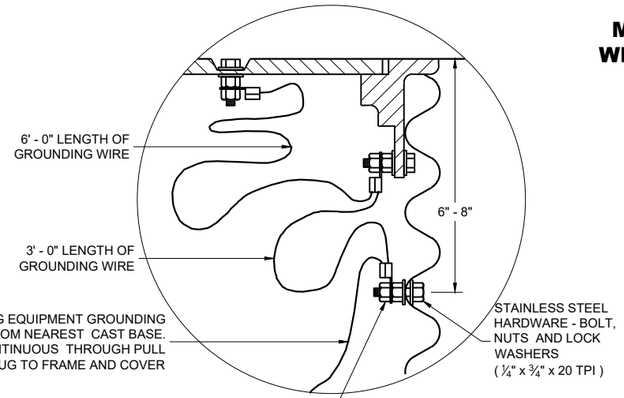
WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

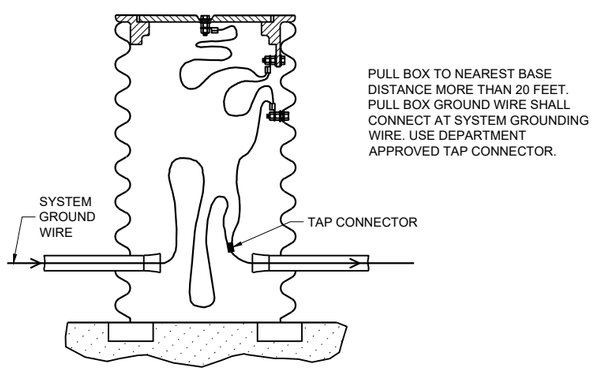
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 ¼	10 ¼	10 ¼	16 ¼	16 ¼	16 ¼	22 ¼	22 ¼	22 ¼
FRAME	E	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
FRAME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
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.

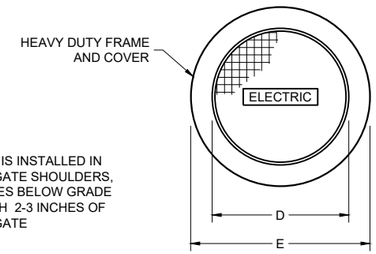
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



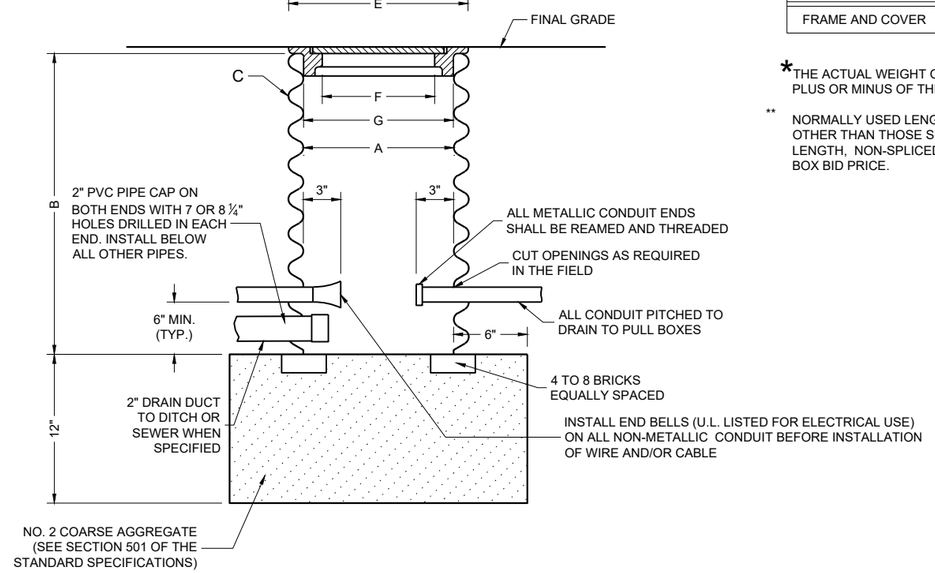
EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE



PULL BOX

PULL BOX

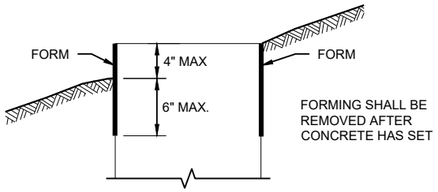
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

FHWA

6
SDD 09B04-13

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.

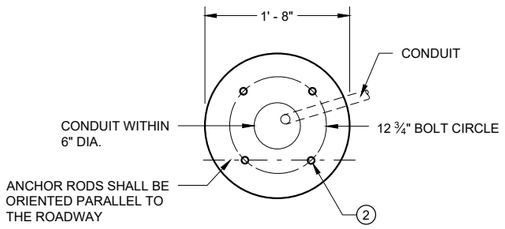
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

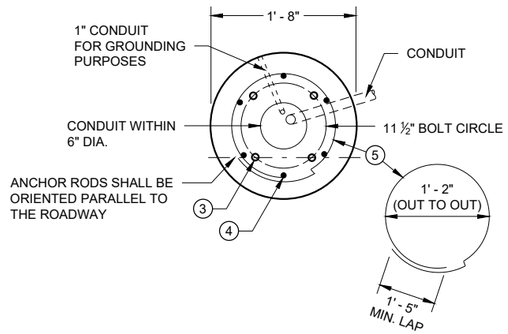
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

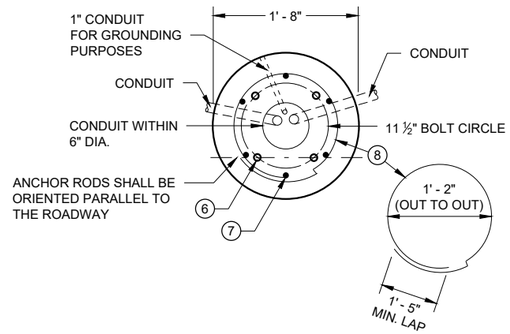
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

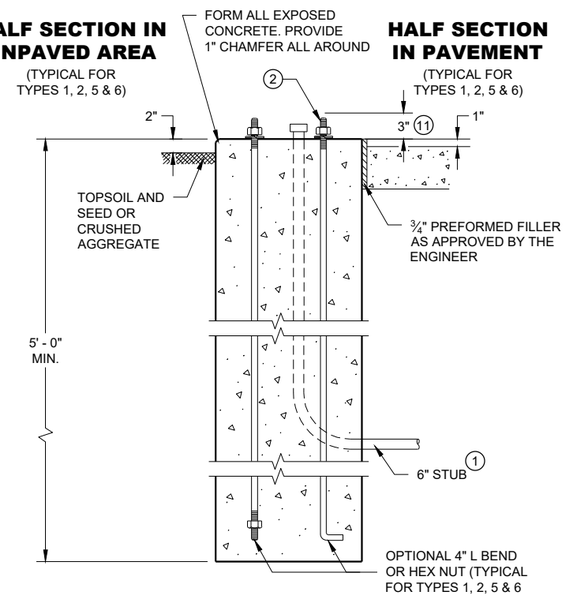
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

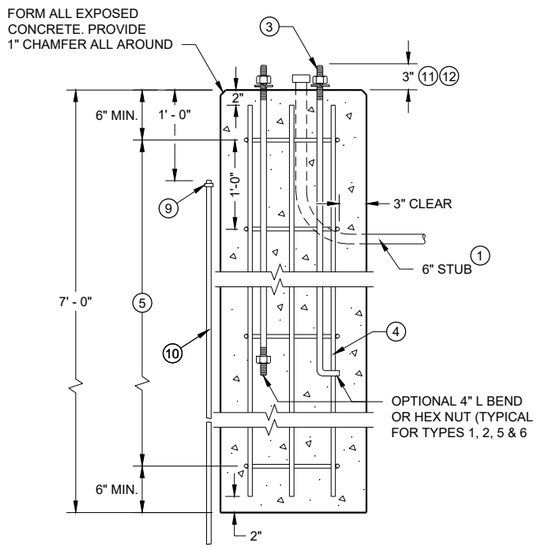
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

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

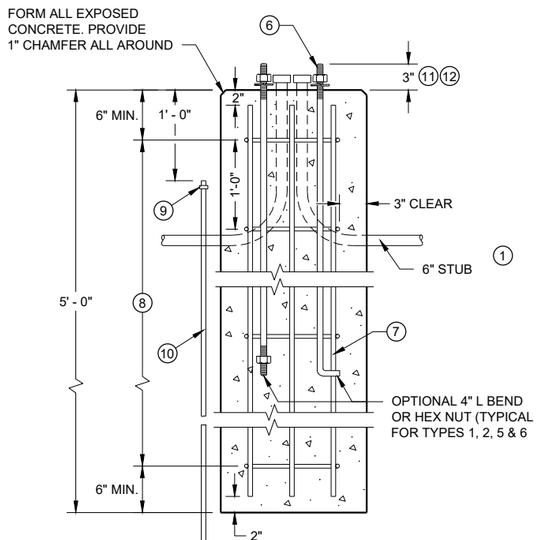
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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 750

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.

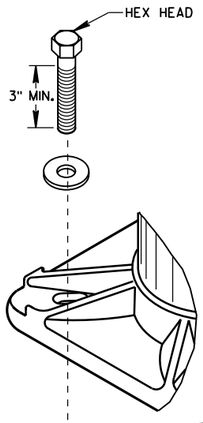
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

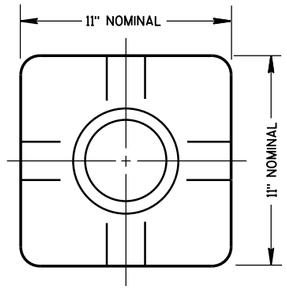
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

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

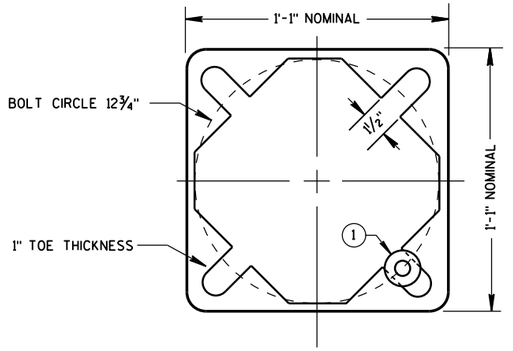
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

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

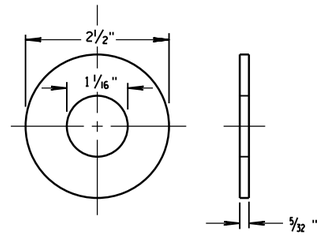




TOP VIEW
(PEDESTAL BASE)

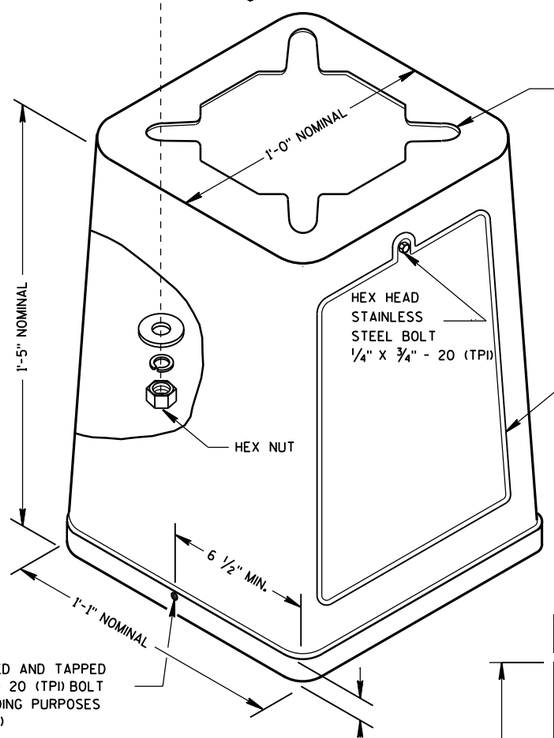


BOTTOM VIEW
(PEDESTAL BASE)

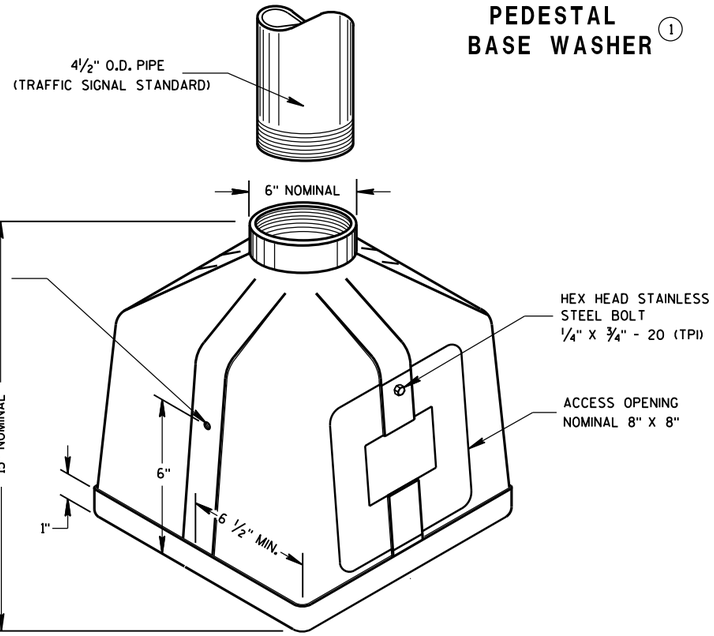


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

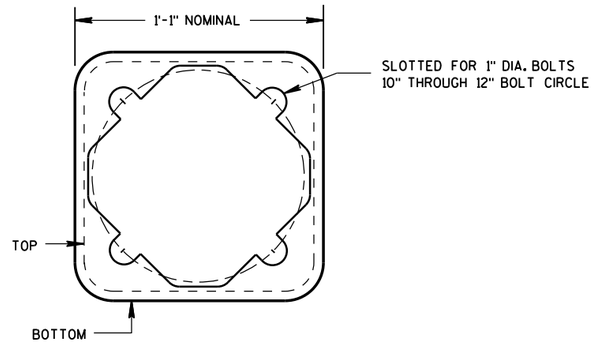


ISOMETRIC VIEW



ISOMETRIC VIEW

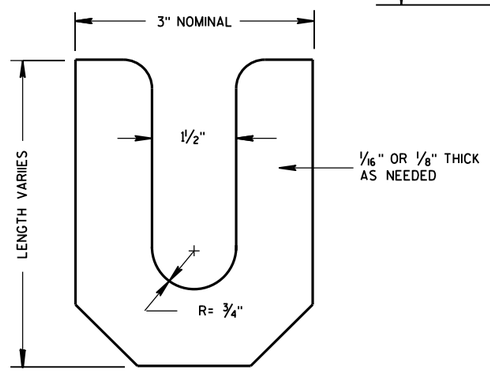
PEDESTAL BASE



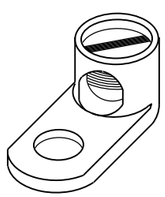
BOTTOM VIEW
(TRANSFORMER BASE)

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM



TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

751

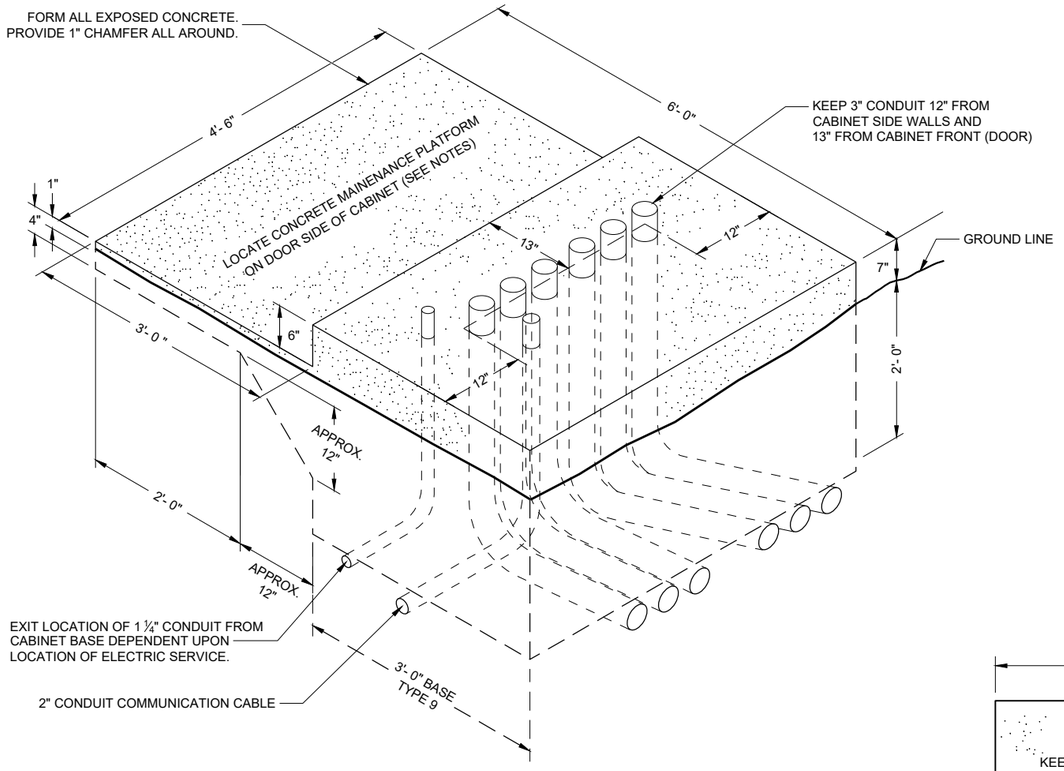
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S.D.D. 9 C 3-4

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S.D.D. 9 C 3-4

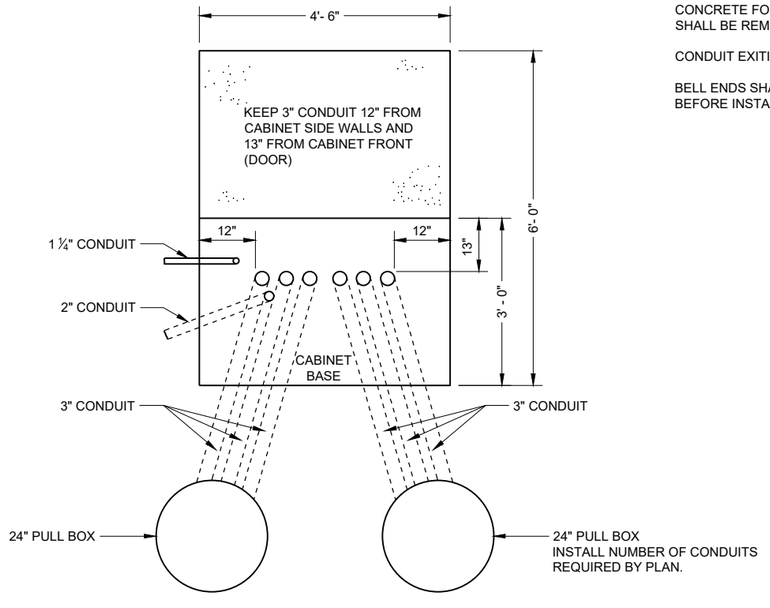
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9 SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

GENERAL NOTES

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

INSTALL FOUR INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

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

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 752

FHWA

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SDD 09C06 - 07

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SDD 09C06 - 07

GENERAL NOTES

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

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

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

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

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

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

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

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

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

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

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

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

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

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

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

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

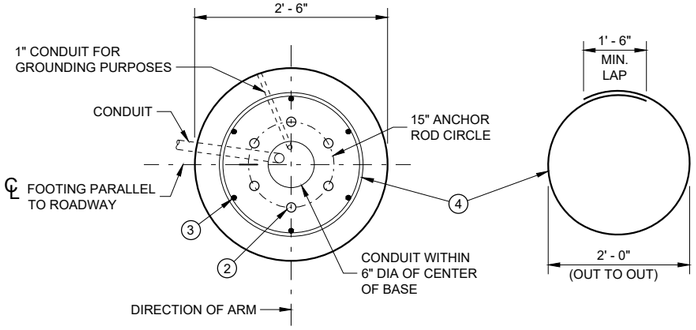
(2) (6) 1 ½ DIA. X 4' - 4" ANCHOR RODS

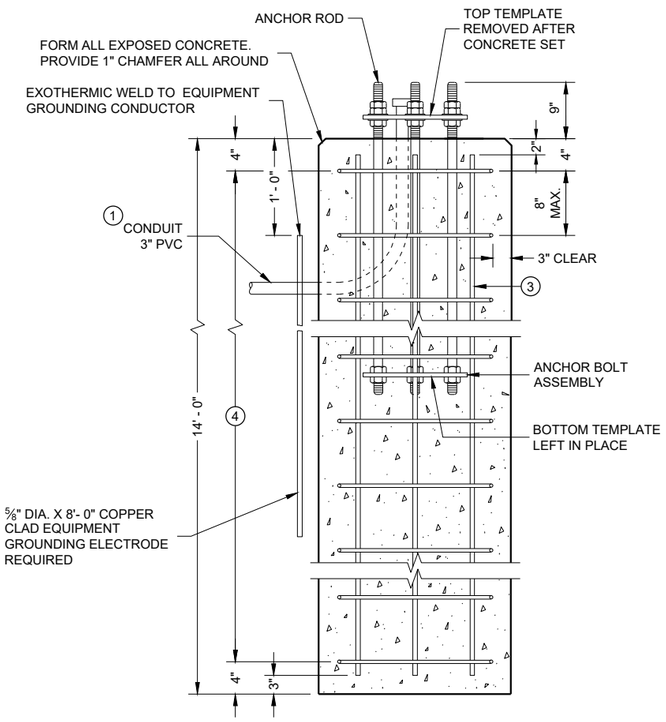
(3) (6) NO. 6 X 13' - 7" BAR STEEL REINFORCEMENT.

(4) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

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

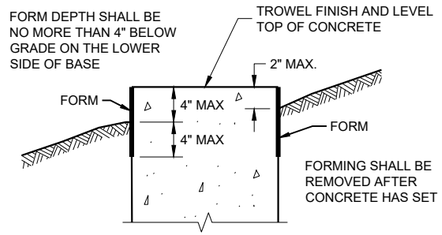
QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122



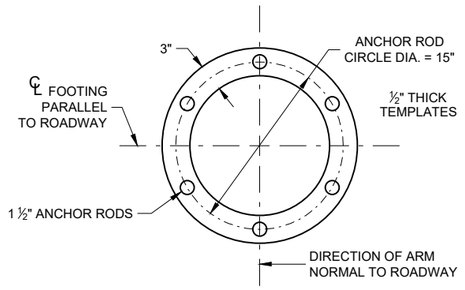


CONCRETE BASE, TYPE 10
(FOR TYPE 9, TYPE 10 AND OVER HEIGHT (OH) POLES)

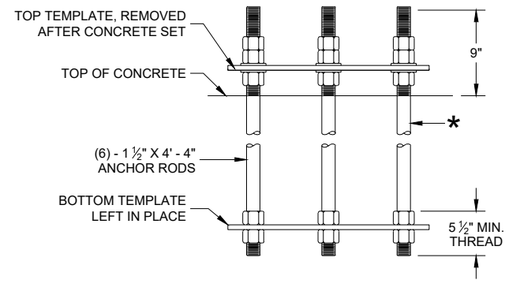
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE SDD 9C13 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

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

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demerbilek — WIND LOADED STRUCTU PROGRAM LEADER
753
FHWA

6

SDD 09C11 - 10

GENERAL NOTES

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

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

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

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

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

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

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

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

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

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

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

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

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

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

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

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

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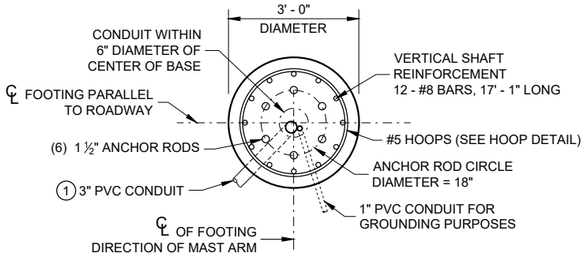
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

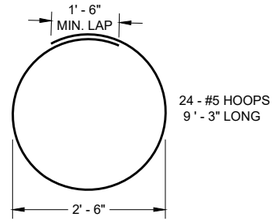
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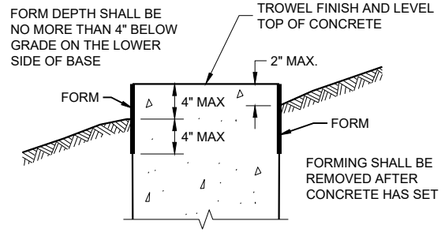
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



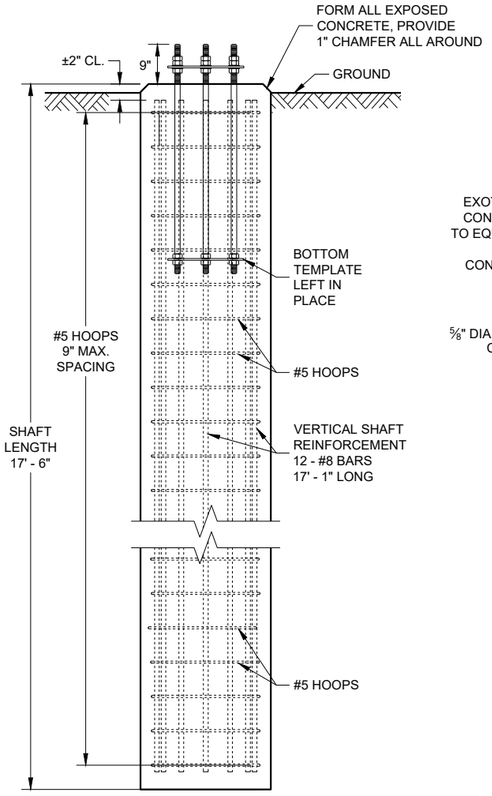
PLAN VIEW



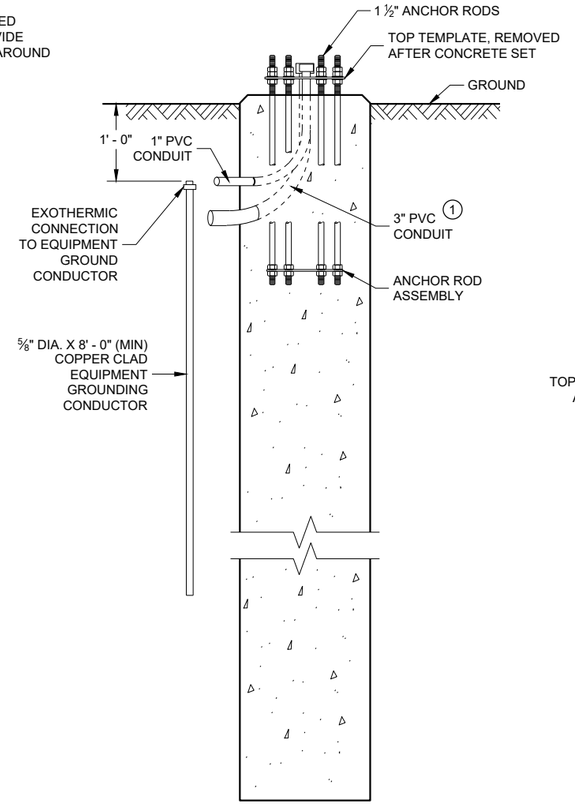
HOOP DETAIL



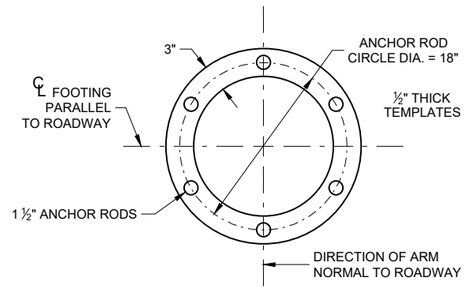
FORMING DETAIL



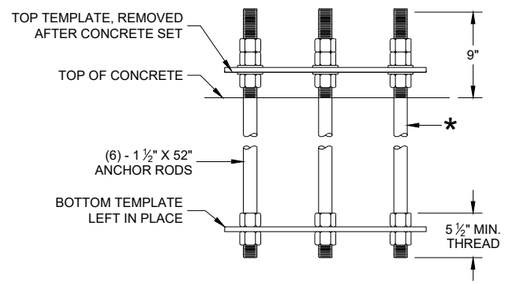
ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



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



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

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

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

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

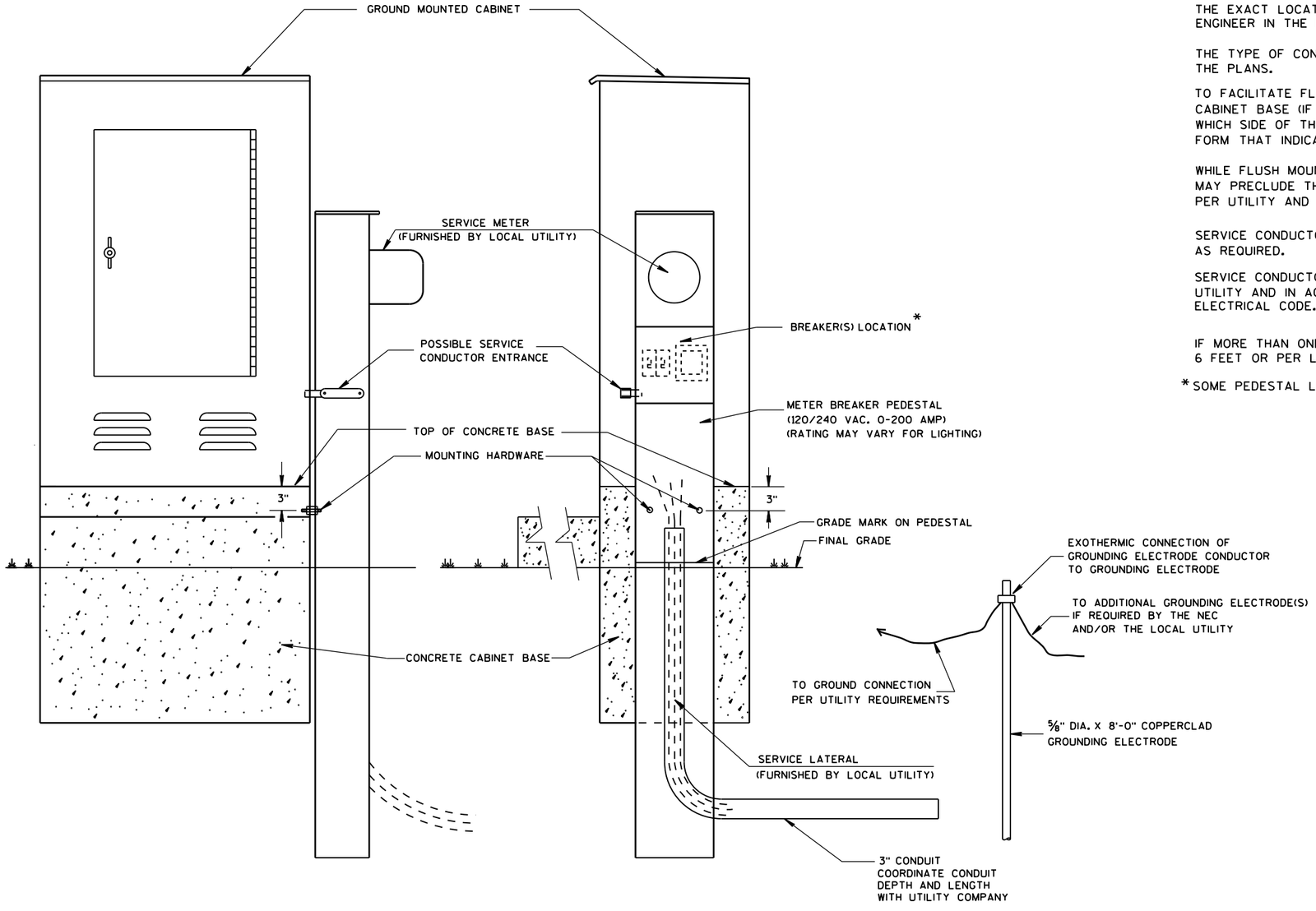
FOR USE WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6
SDD 09C15 - 01



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

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S.D.D. 9 D 1-5

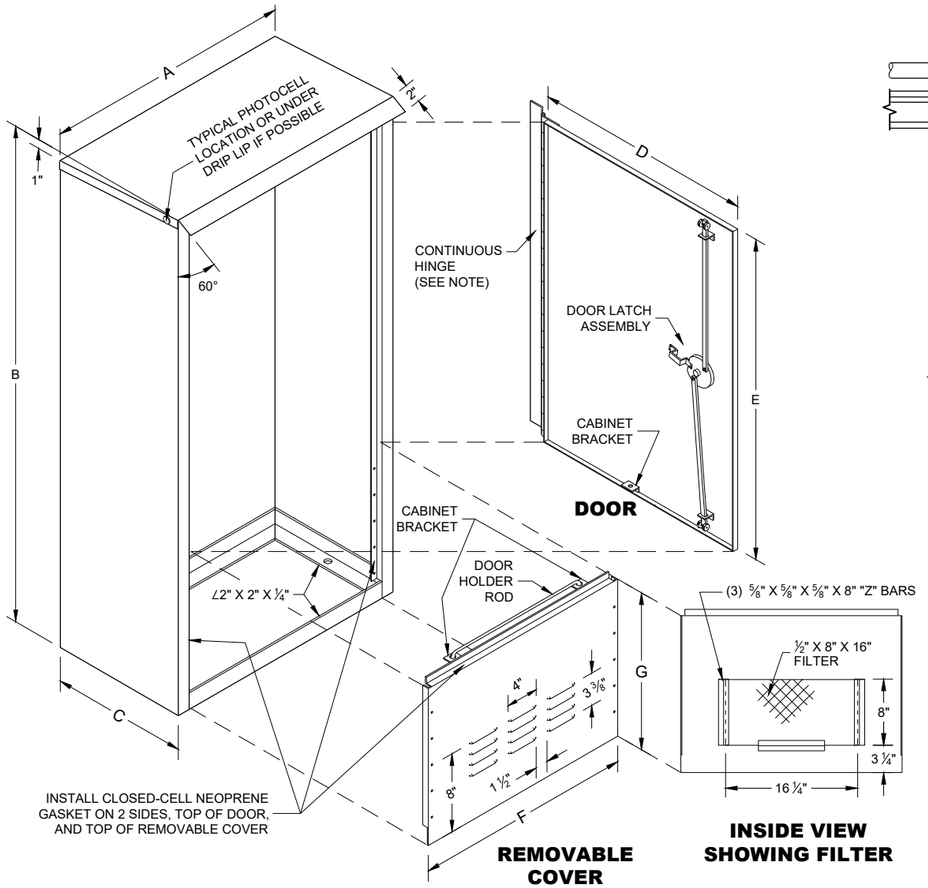
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

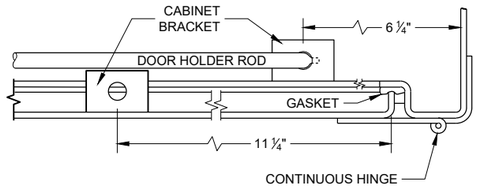
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

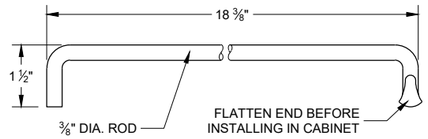
/S/ Ahmet Demirbilek
STATE ELECTRICAL 755

FHWA

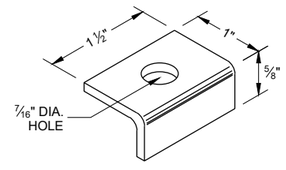




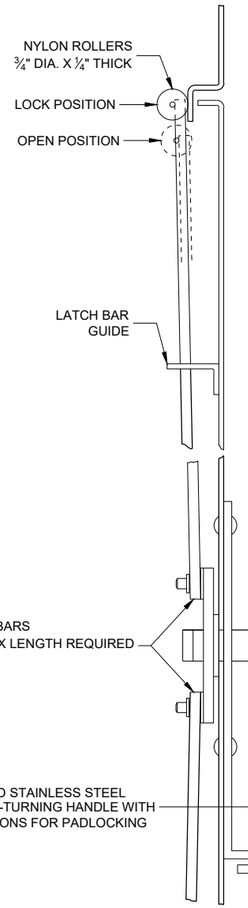
HINGE AND DOOR HOLDER

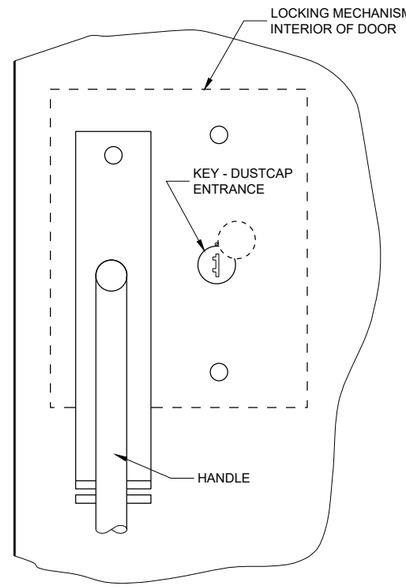


HOLDER ROD



CABINET BRACKET





SIDE VIEW **FRONT VIEW**

LATCH ASSEMBLY

GENERAL NOTES

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

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

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

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

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

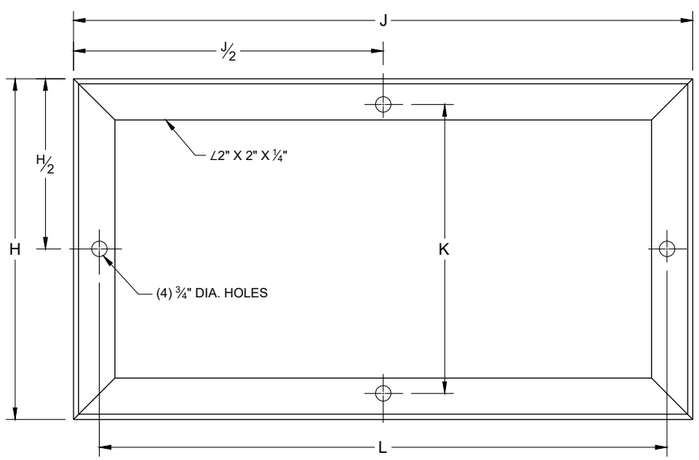
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH ¼" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH ¼" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

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

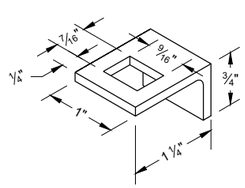
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 ½	16 ½	24
D	26 ½	34 ¾	33 ¾
E	38 ¾	38 ¾	38 ¾
F	26 ½	34 ¾	33 ¾
G	19	19	25
H	16 ½	16 ½	24
H/2	8 ¼	8 ¼	12
J	30	38	38
J/2	15	19	19
K	13 ¾	13 ¾	21 ¼
L	27 ½	35 ½	35 ½



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 756

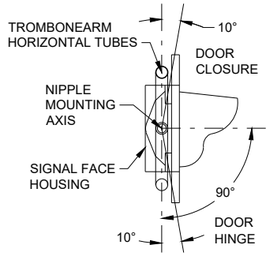
FHWA

SDD 09D02 - 03

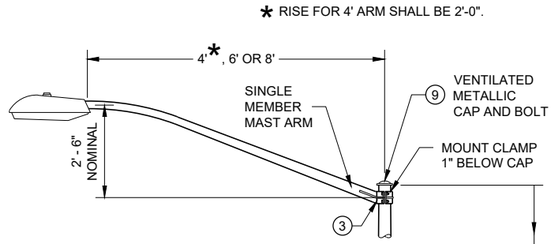
SDD 09D02 - 03

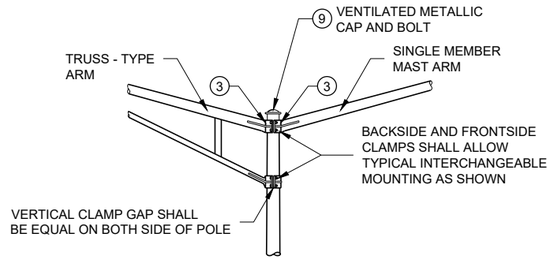
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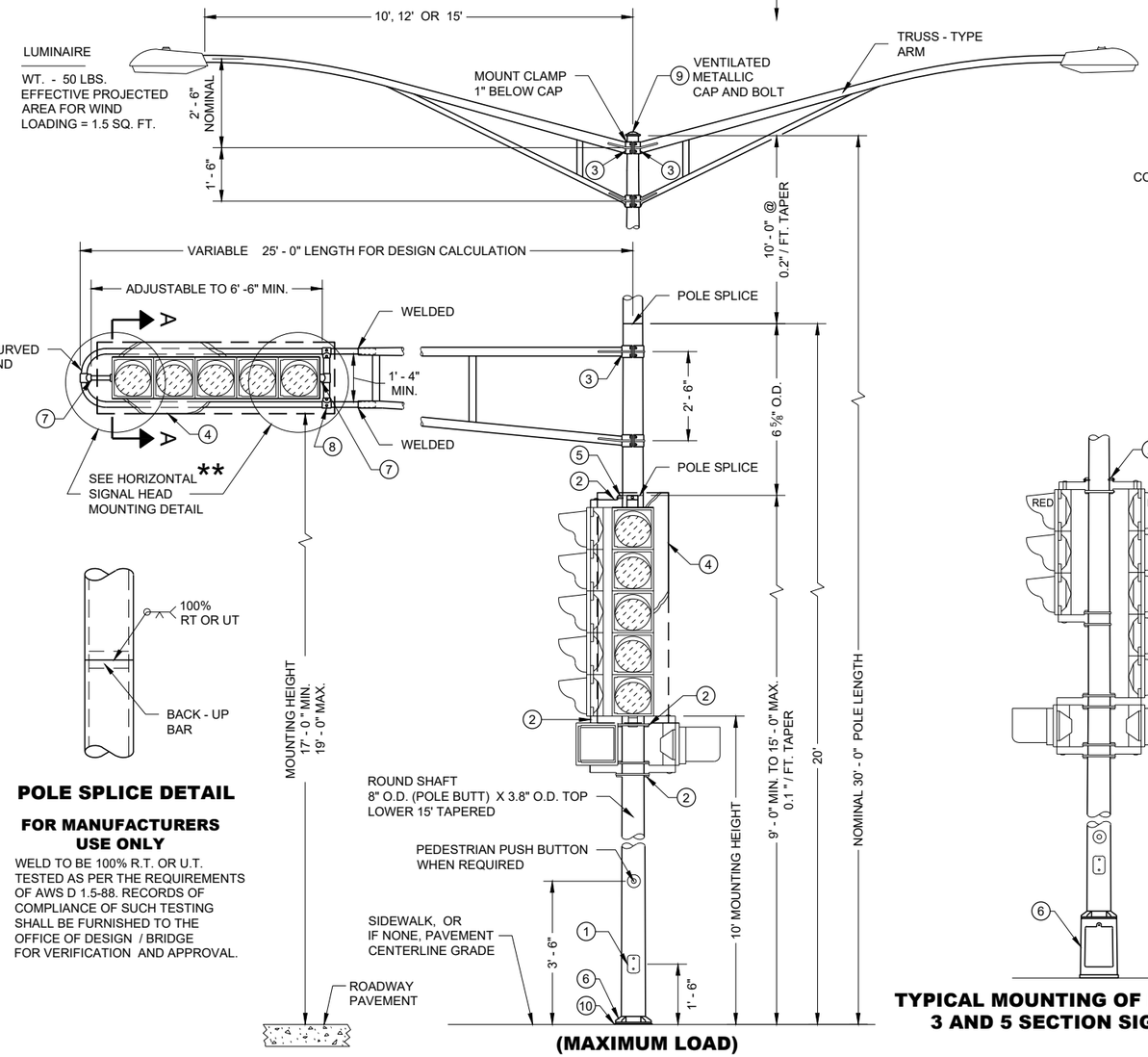


SECTION A-A

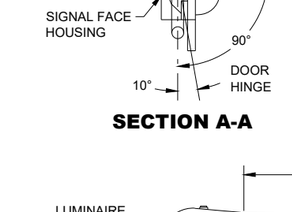




INTERCHANGEABLE MOUNTING DETAIL



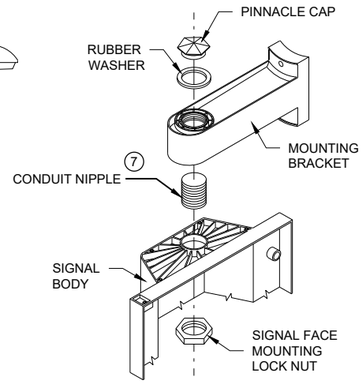
(MAXIMUM LOAD)



POLE SPLICE DETAIL

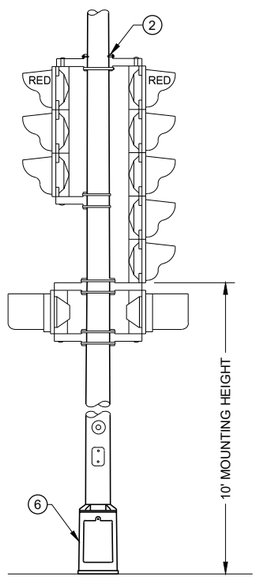
FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.

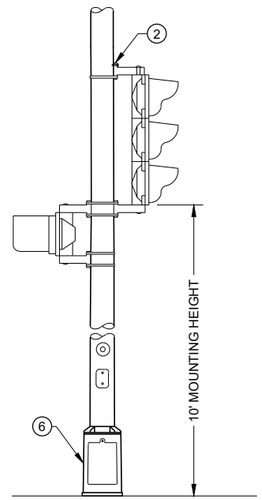


SIGNAL FACE MOUNTING DETAIL

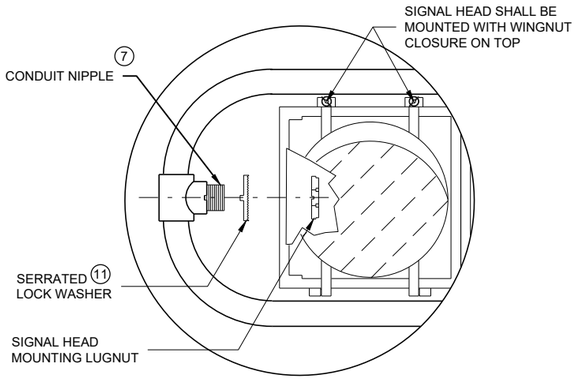
(BANDED)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 3 POLE MOUNTING CONFIGURATION

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 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) 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) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

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

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

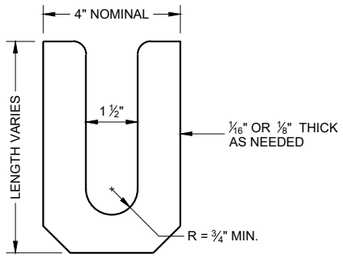
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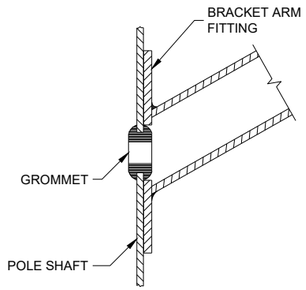
SDD 09E01 - 15b

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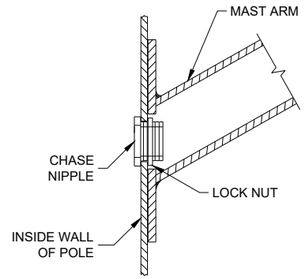
SDD 09E01 - 15b



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

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

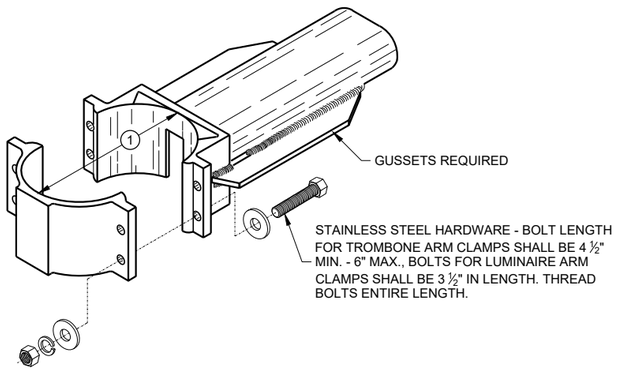
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

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

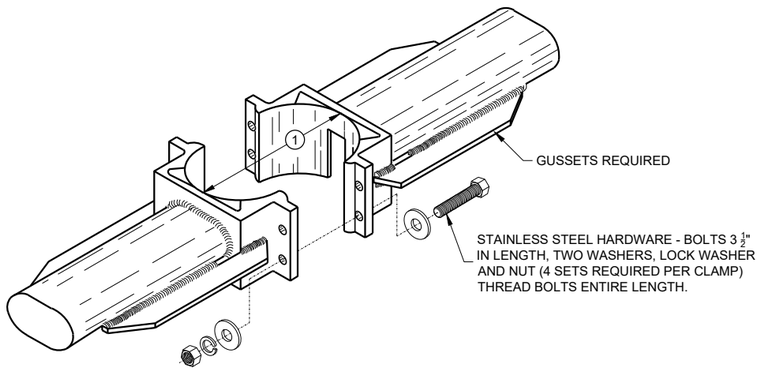
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

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

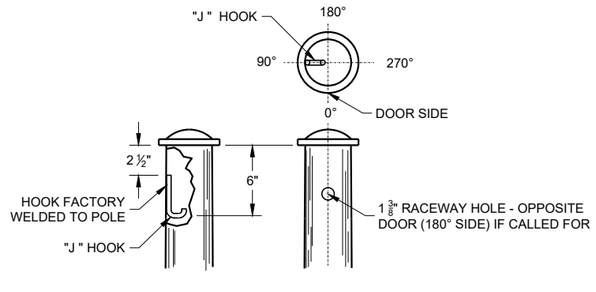
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



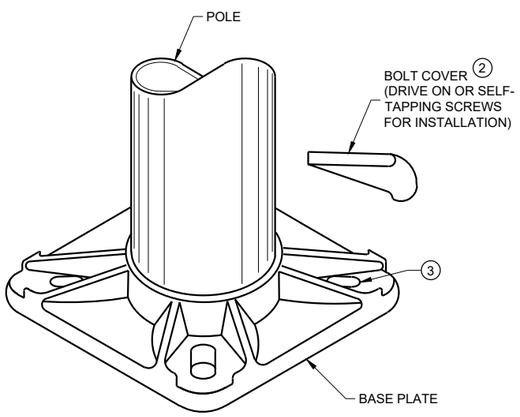
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



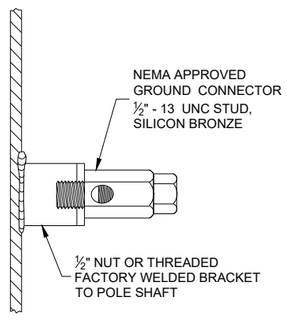
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

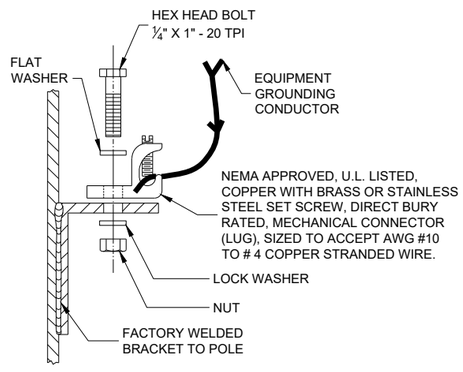


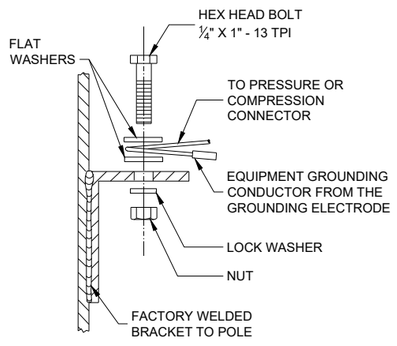
TYPICAL "J" HOOK LOCATION



BASE PLATE







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

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 758

FHWA

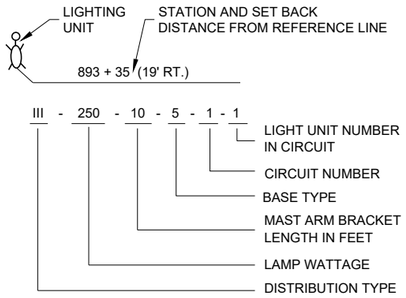
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SDD 09E01 - 15g

GENERAL NOTES

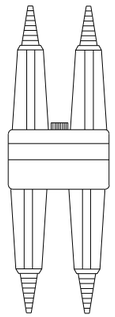
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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

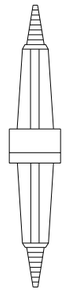
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



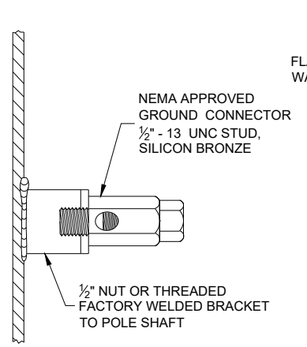
LIGHTING UNIT CODE
(TYPICAL)



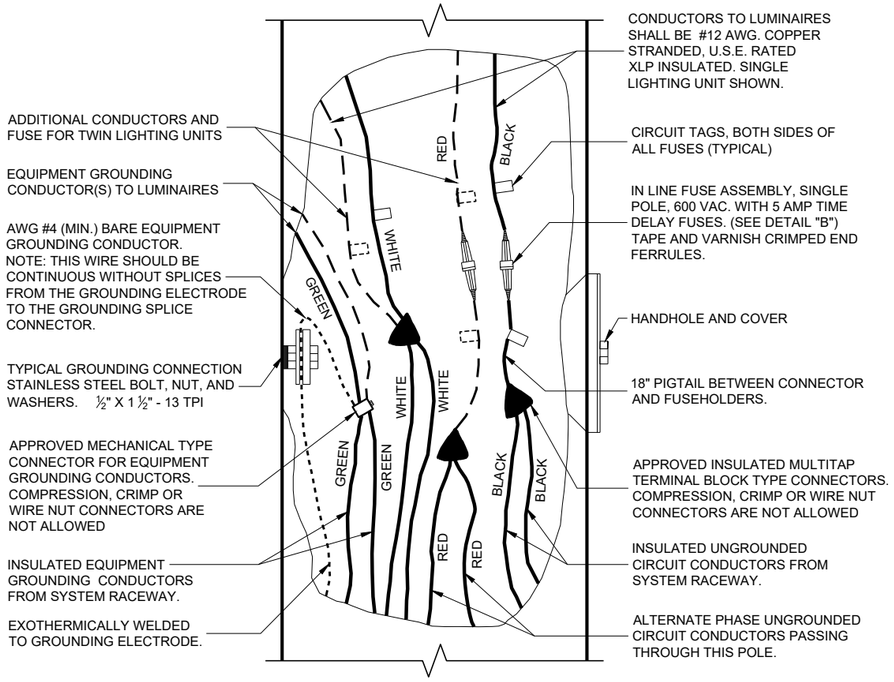
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



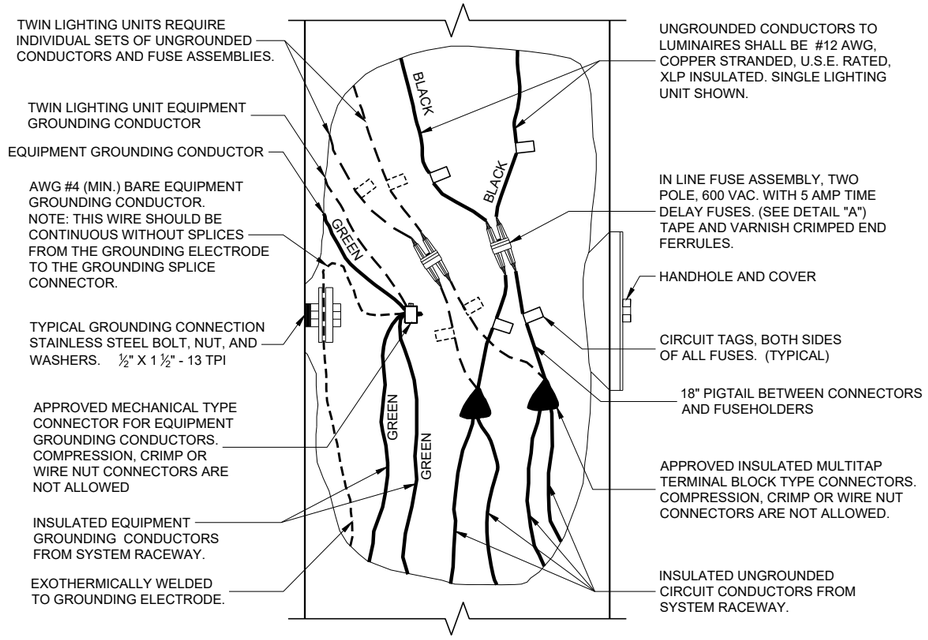
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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



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



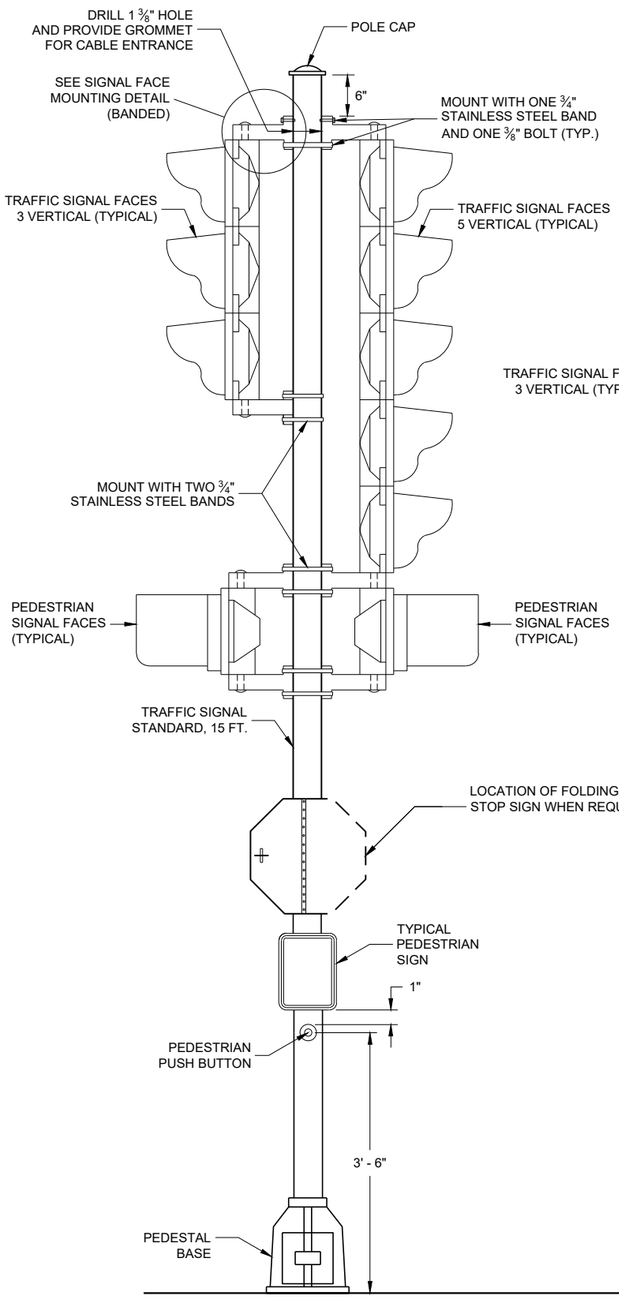
2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

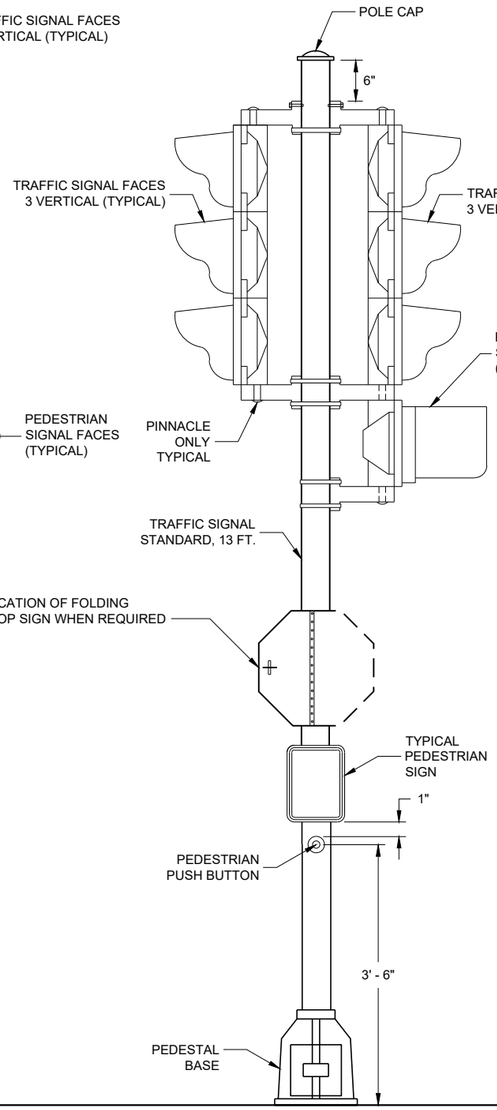
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 759

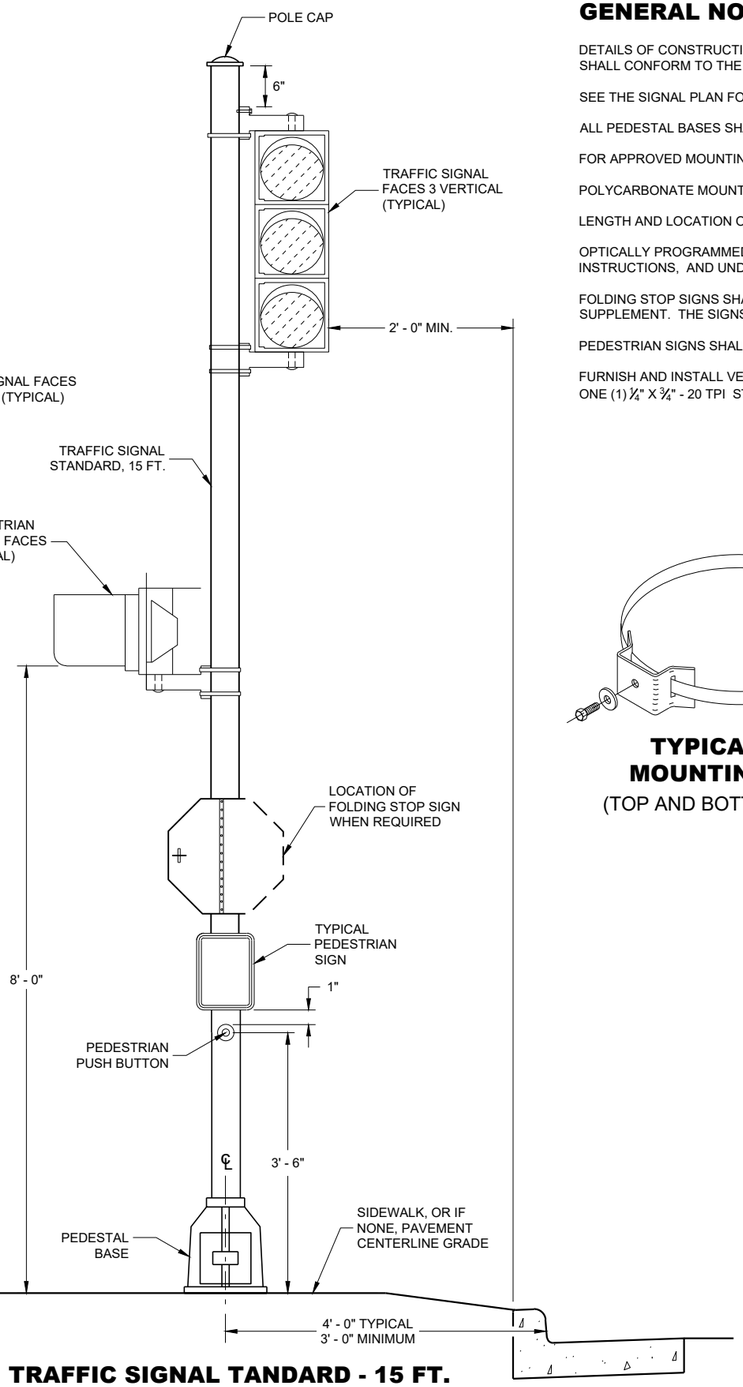
FHWA



TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

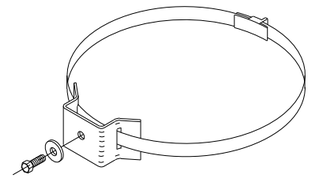
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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

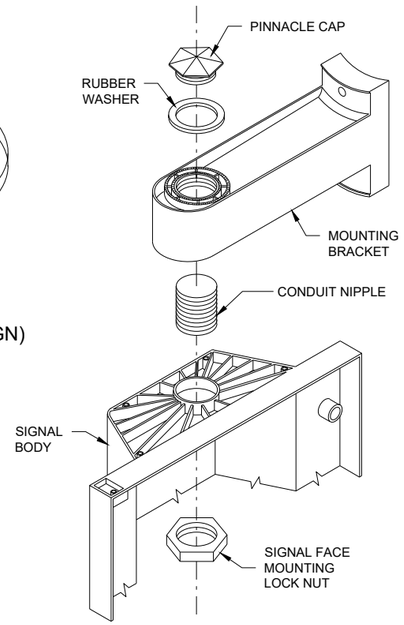
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

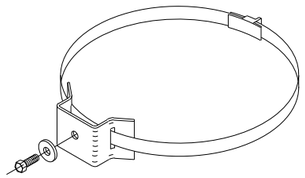
TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

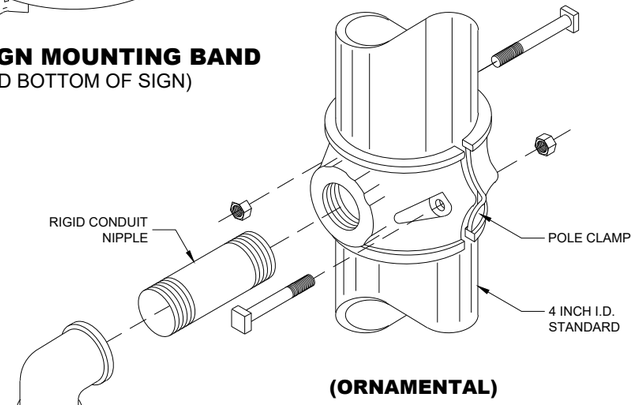
APPROVED
2/28/2013
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 760

FHWA

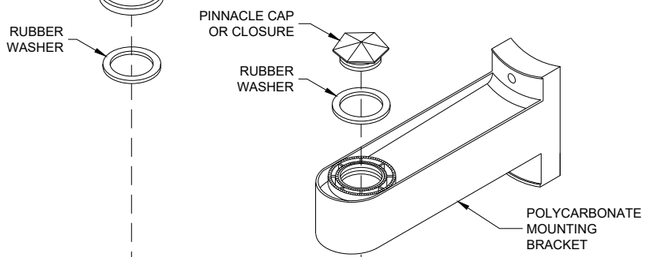
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SDD 09E06 - 05



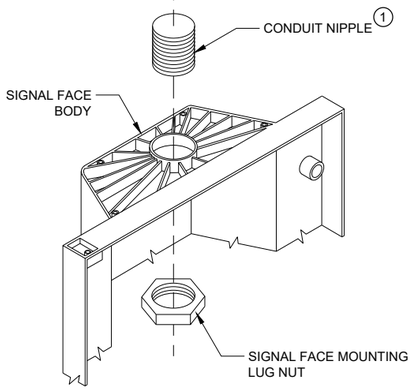
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



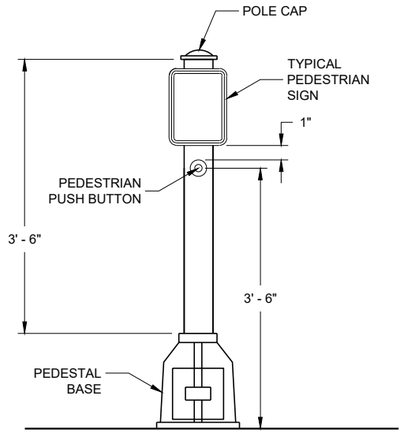
(ORNAMENTAL)



(BANDED)



SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

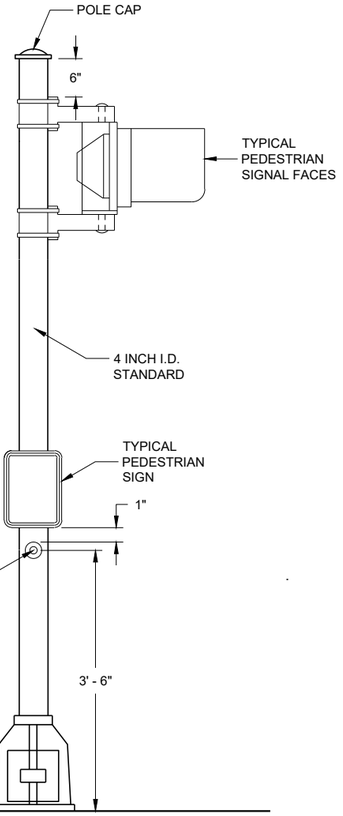
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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

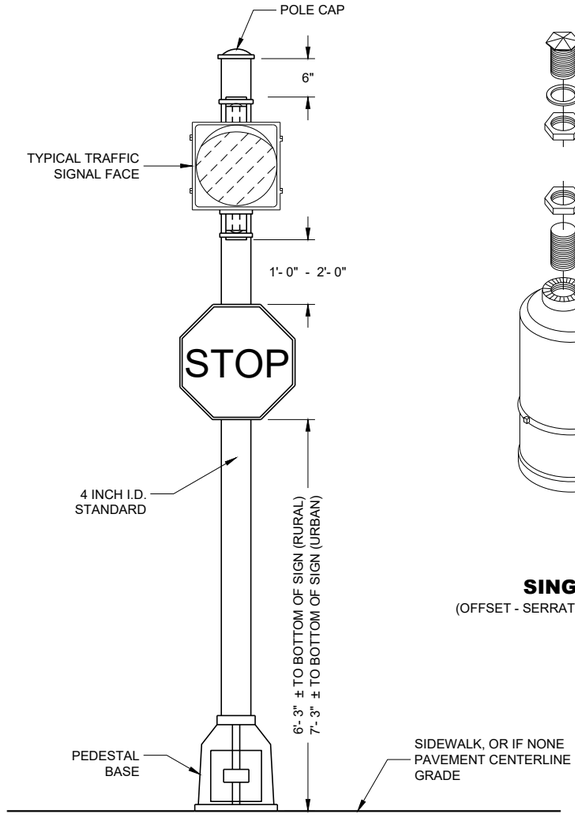
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

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

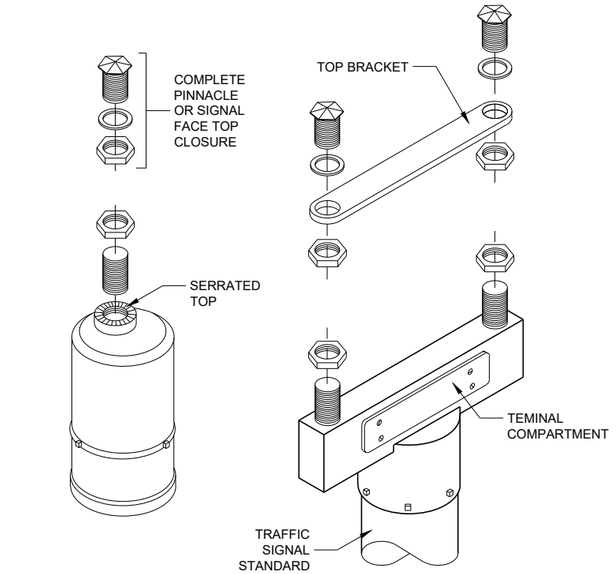
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE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



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

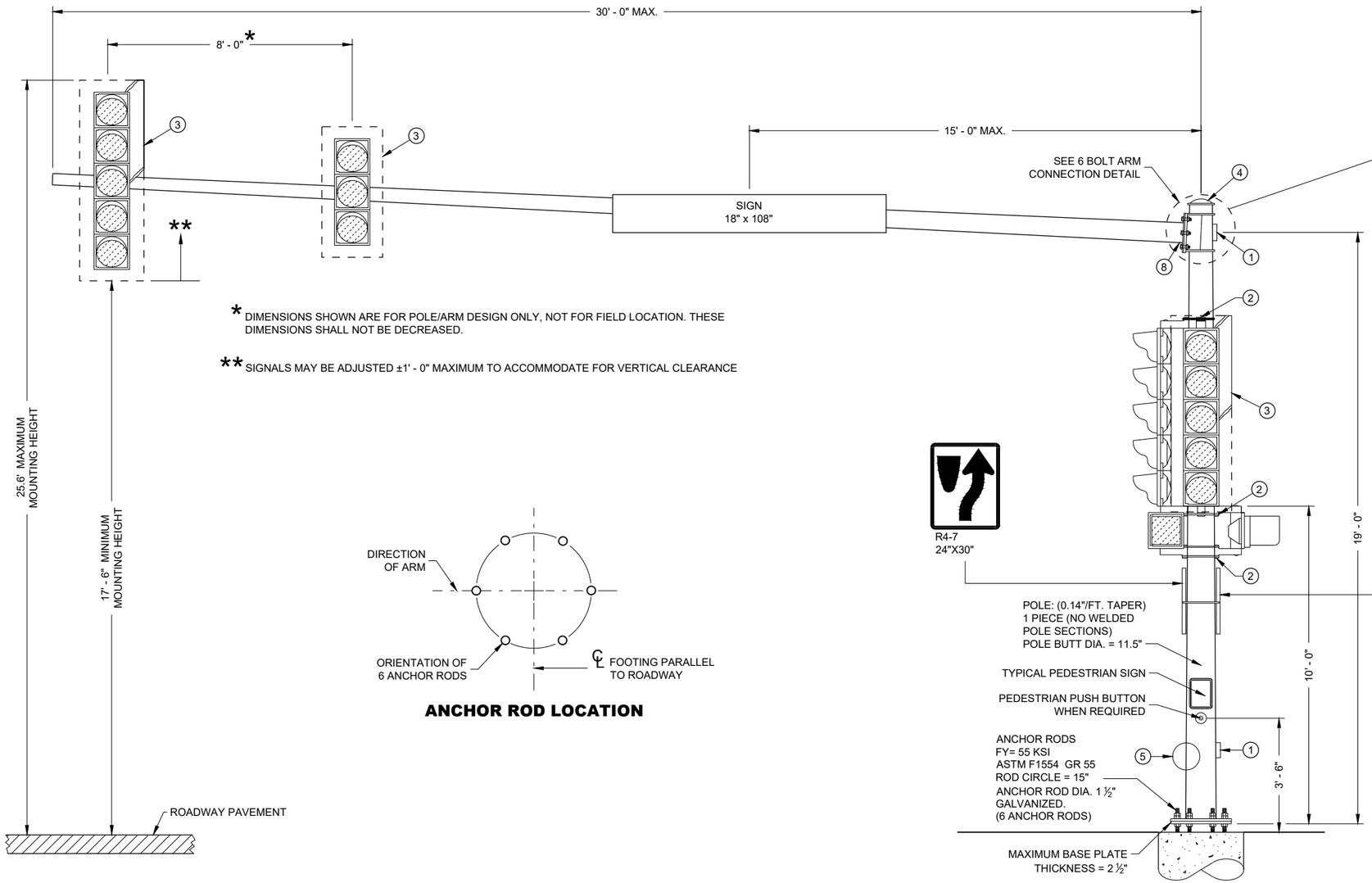
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 761

FHWA

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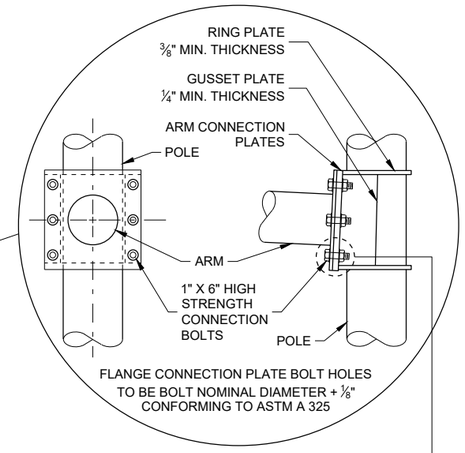
SDD 09E07 - 06



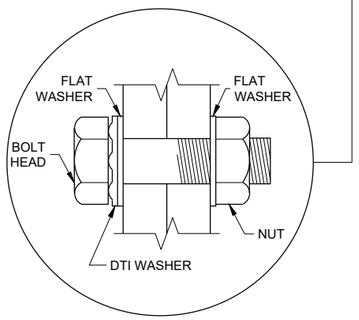
* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

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

ANCHOR ROD LOCATION



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 9 POLE
15' - 30' MONOTUBE ARM
(MAXIMUM LOAD)

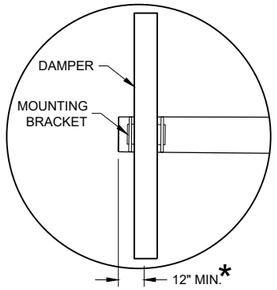
TYPE 9 POLE **15' - 30' MONOTUBE ARM**
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED August 2020 DATE /S/ Ahmet Demirbilek STATE ELECTRICAL ENGI 762
FHWA

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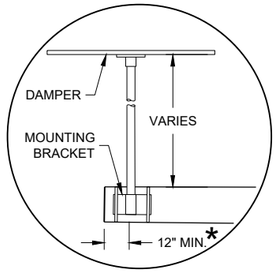
SDD 09E08 - 09a

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SDD 09E08 - 09a

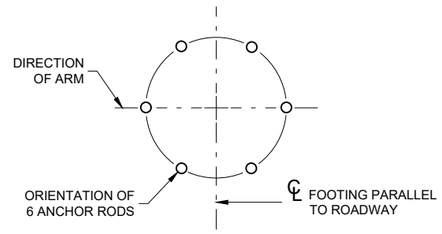


DUMBBELL VIBRATION DAMPER

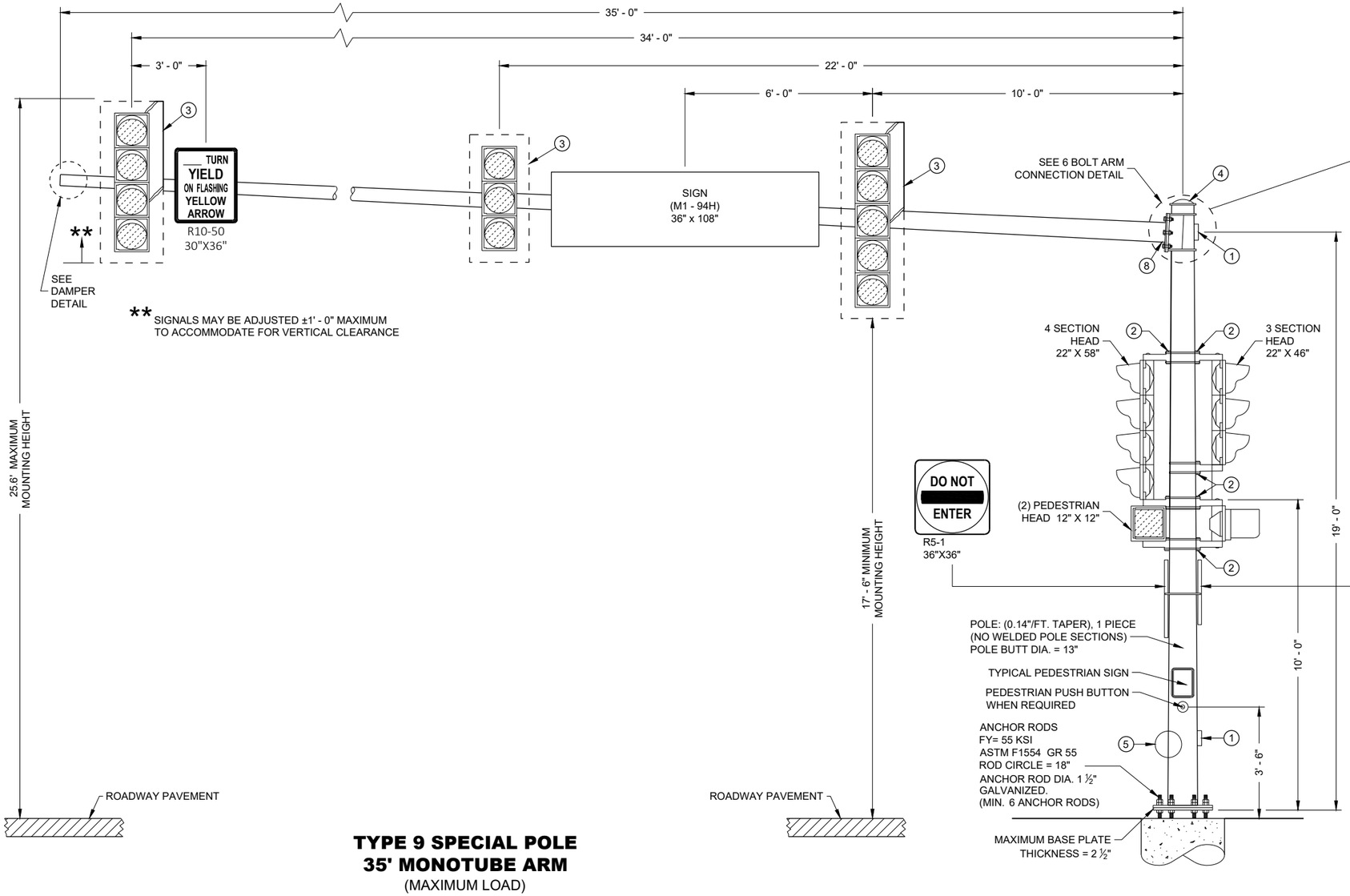


FLAT VIBRATION DAMPER

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

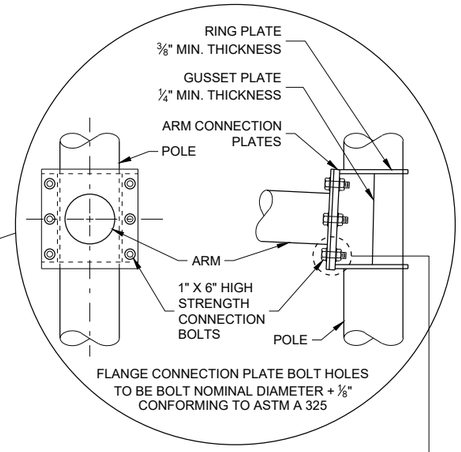


ANCHOR ROD LOCATION

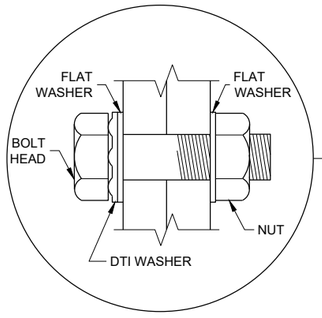


** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

TYPE 9 SPECIAL POLE
35' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 9 SPECIAL POLE
35' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

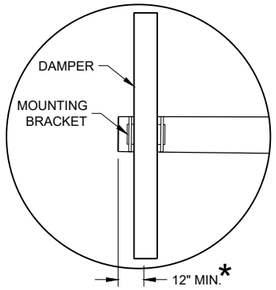
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August 2020
DATE

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STATE ELECTRICAL ENGI 763

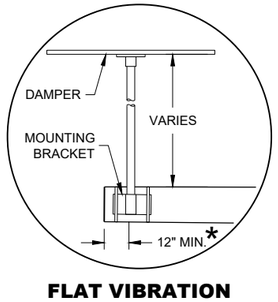
FHWA

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SDD 09E08 - 09b

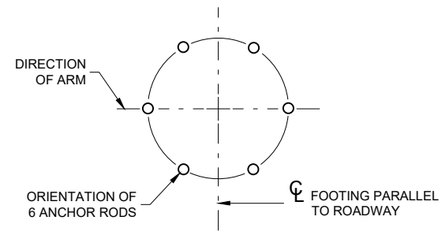


DUMBBELL VIBRATION DAMPER

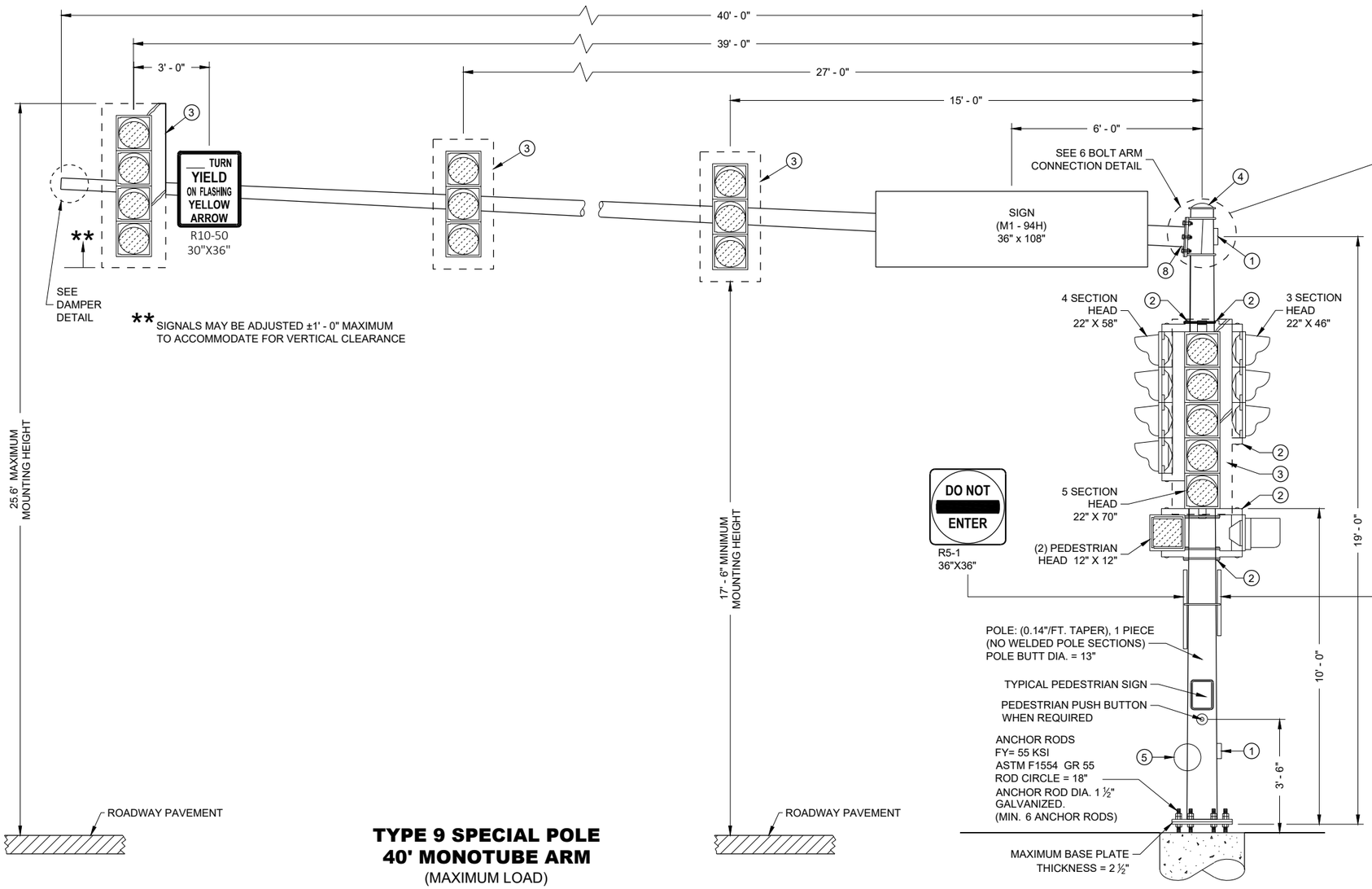


FLAT VIBRATION DAMPER

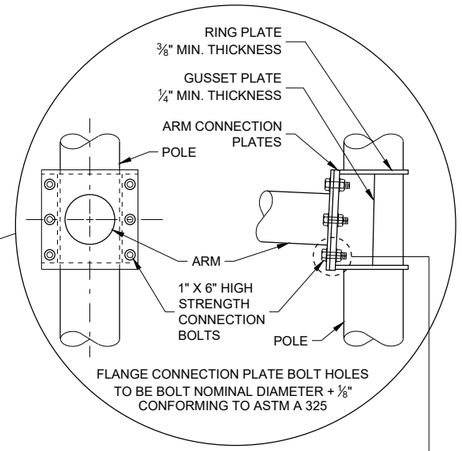
* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.



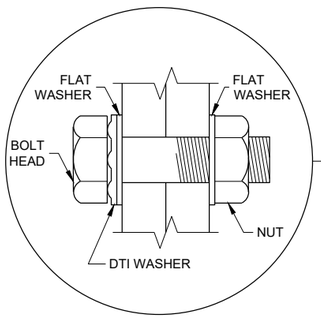
ANCHOR ROD LOCATION



TYPE 9 SPECIAL POLE 40' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 9 SPECIAL POLE 40' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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August 2020
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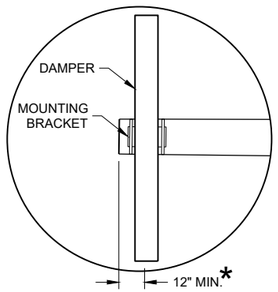
FHWA

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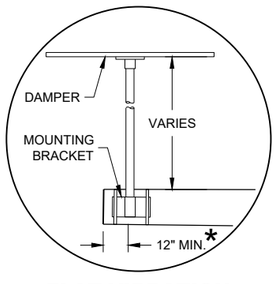
SDD 09E08 - 09c

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SDD 09E08 - 09c

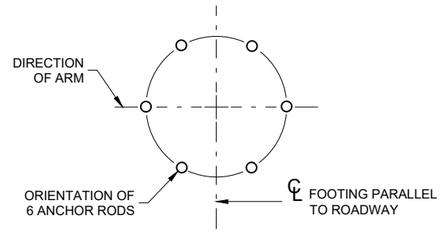


DUMBBELL VIBRATION DAMPER

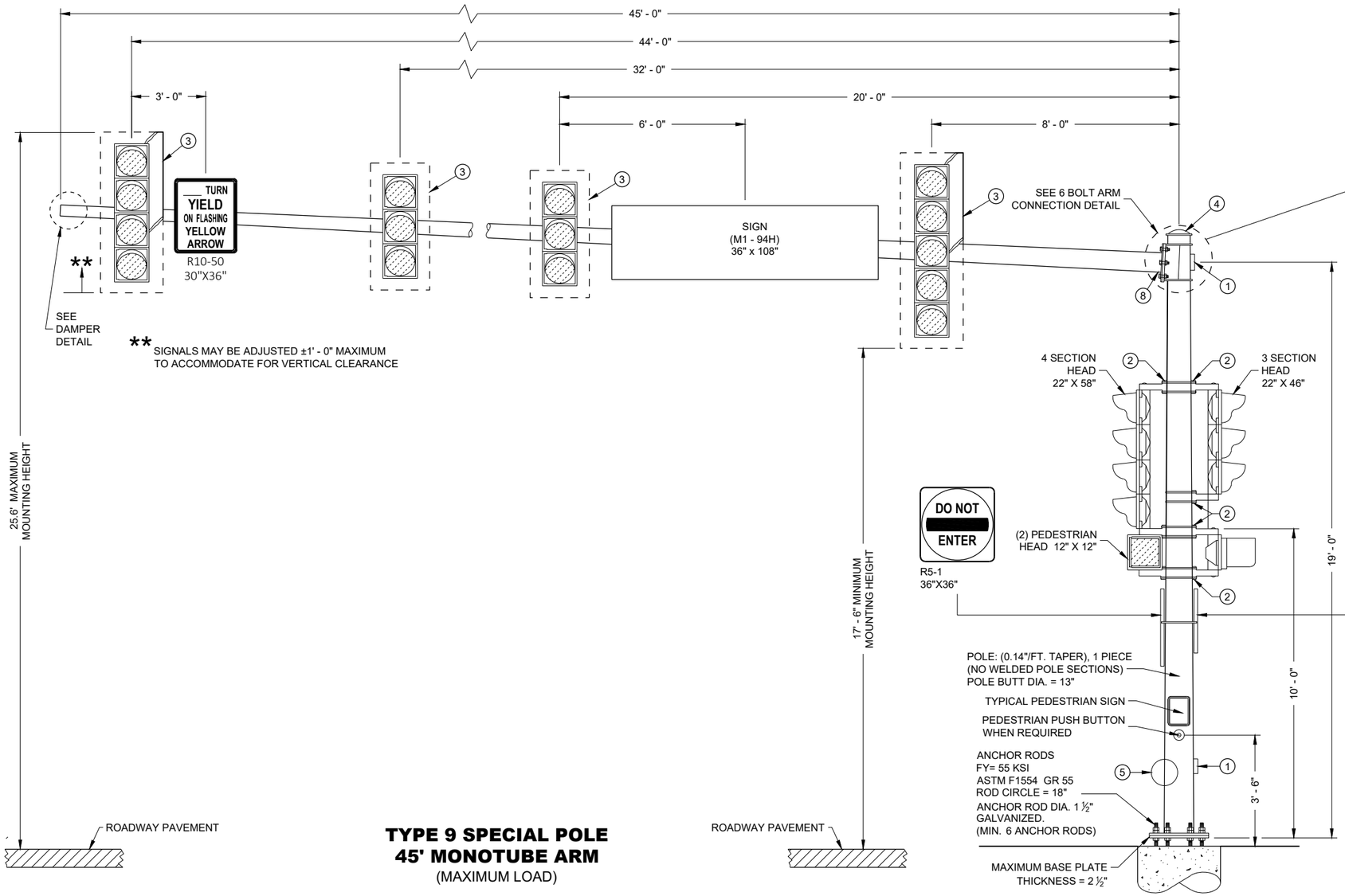


FLAT VIBRATION DAMPER

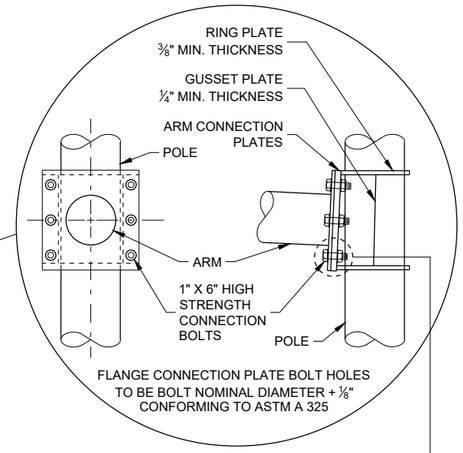
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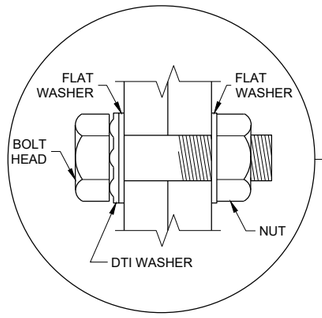
ANCHOR ROD LOCATION



TYPE 9 SPECIAL POLE 45' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 9 SPECIAL POLE 45' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 765

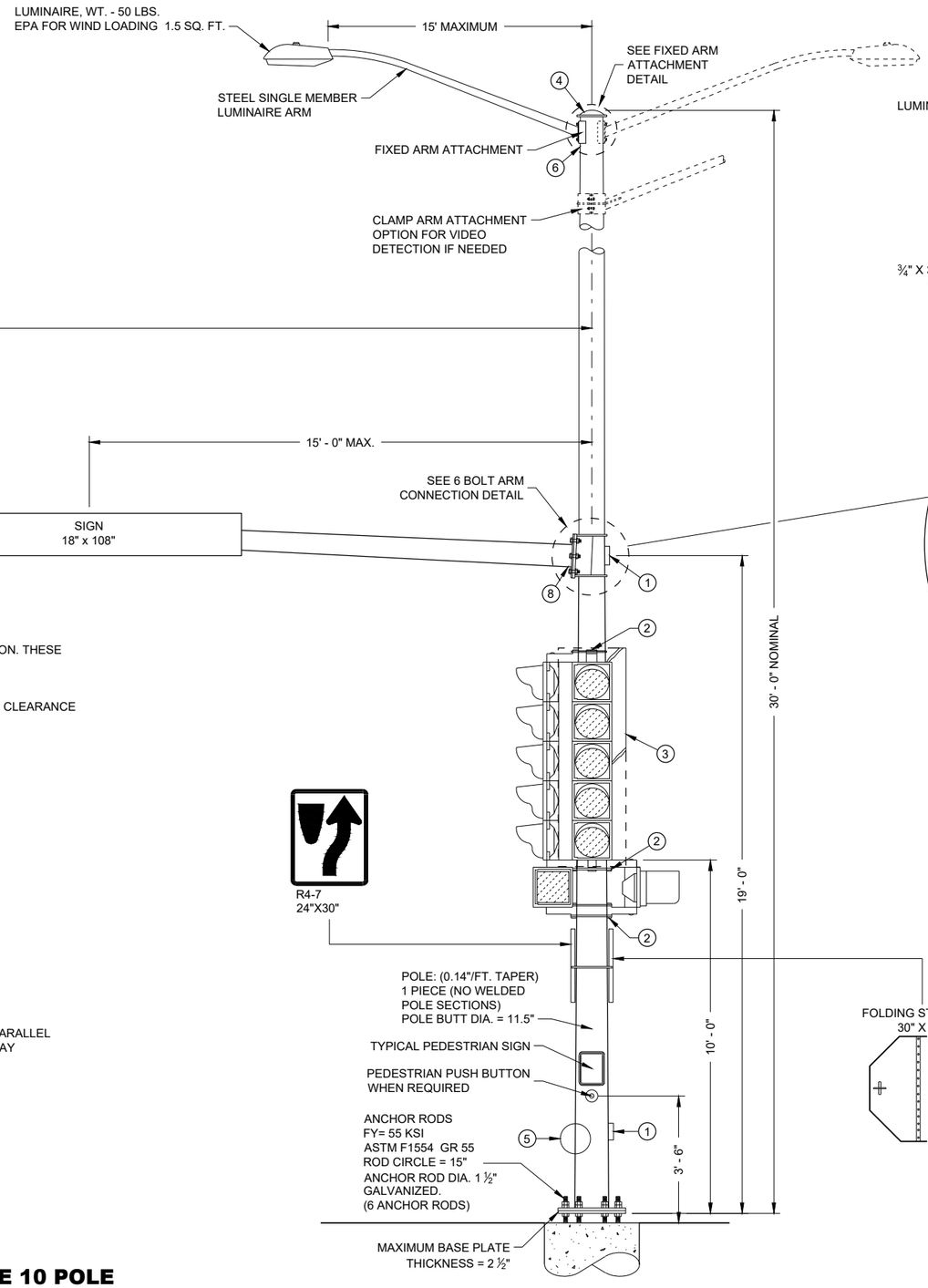
FHWA

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SDD 09E08 - 09d

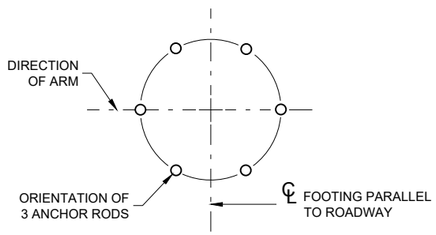
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SDD 09E08 - 09d

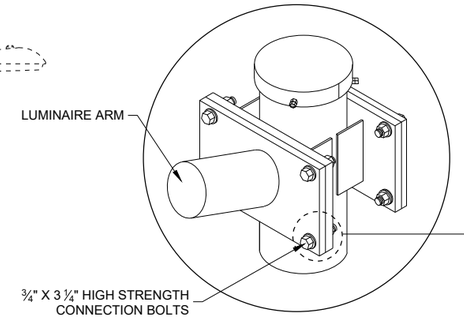


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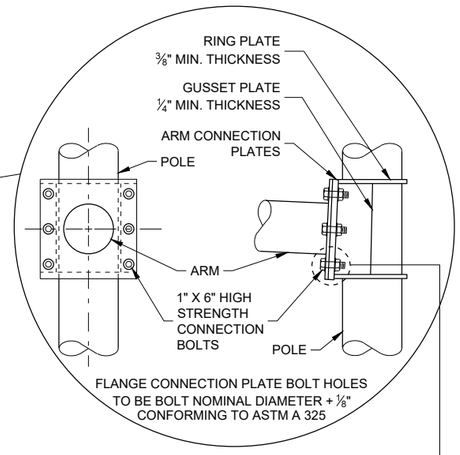
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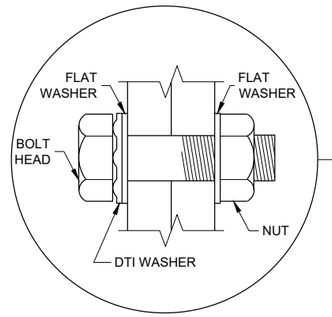
ANCHOR ROD LOCATION



FIXED ARM ATTACHMENT DETAIL



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 POLE
15' - 30' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 POLE
15' - 30' MONOTUBE ARM

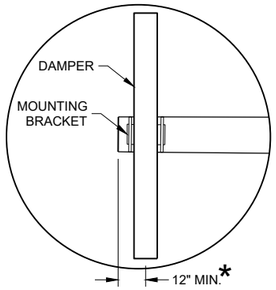
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
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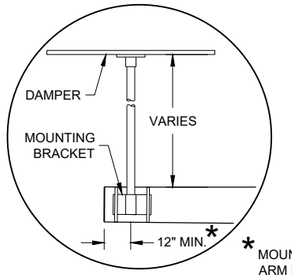
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 766

FHWA

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SDD 09E08 - 09e

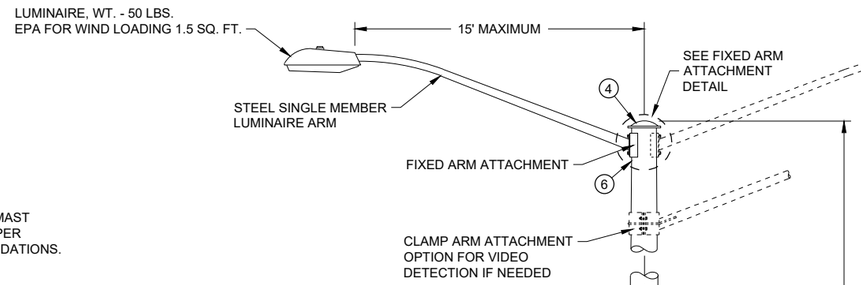


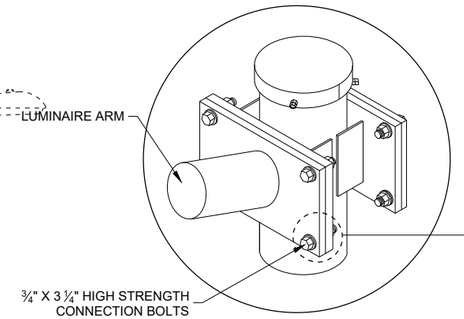
DUMBBELL VIBRATION DAMPER



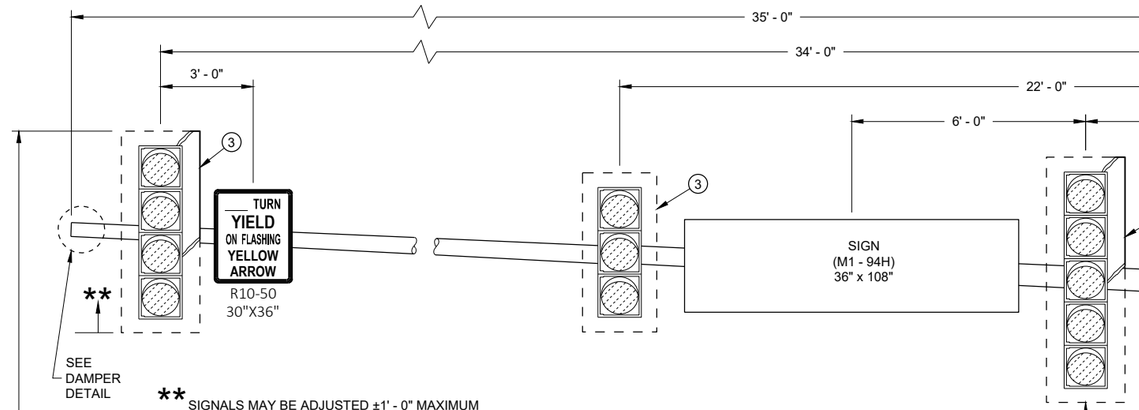
FLAT VIBRATION DAMPER

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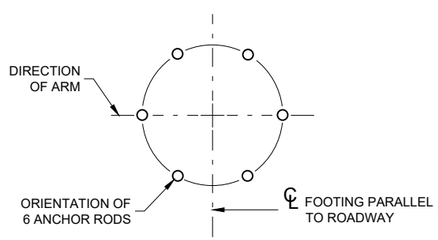




FIXED ARM ATTACHMENT DETAIL

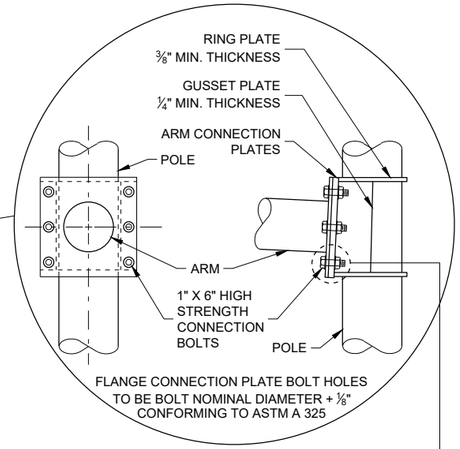


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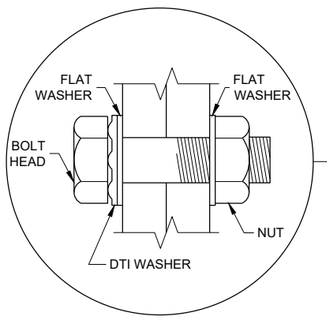


ANCHOR ROD LOCATION

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



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
35' MONOTUBE ARM

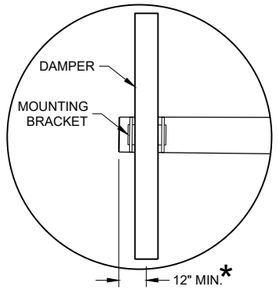
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

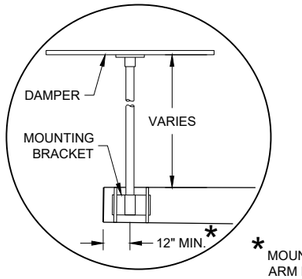
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 767

FHWA

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SDD 09E08 - 09f

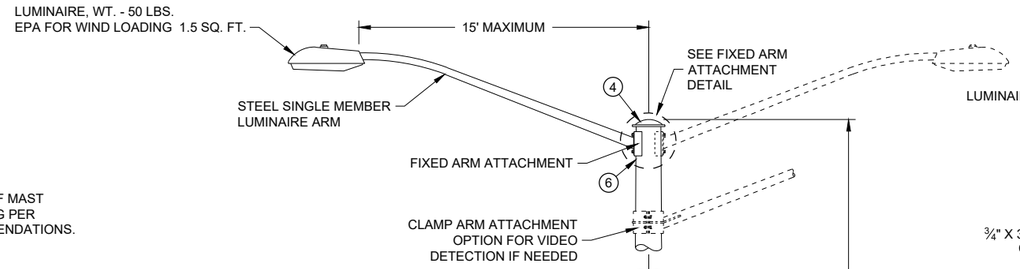


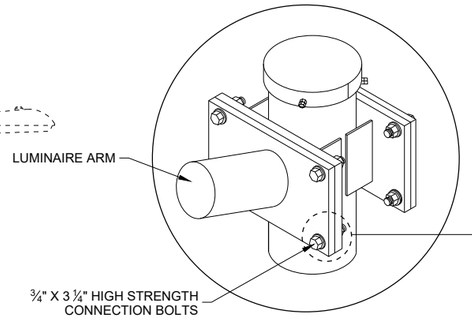
DUMBBELL VIBRATION DAMPER



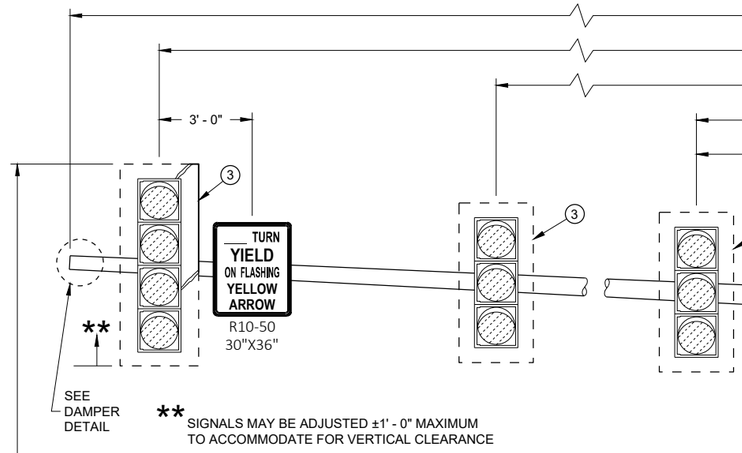
FLAT VIBRATION DAMPER

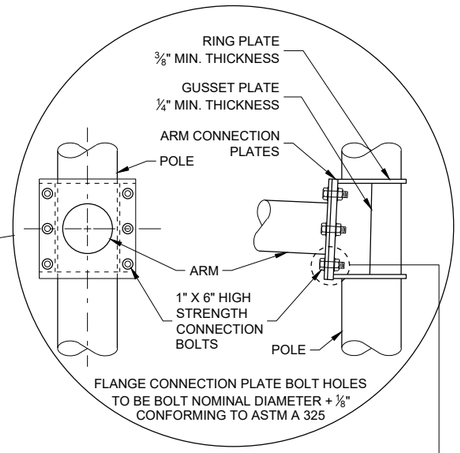
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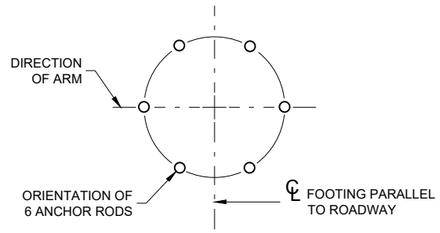


FIXED ARM ATTACHMENT DETAIL

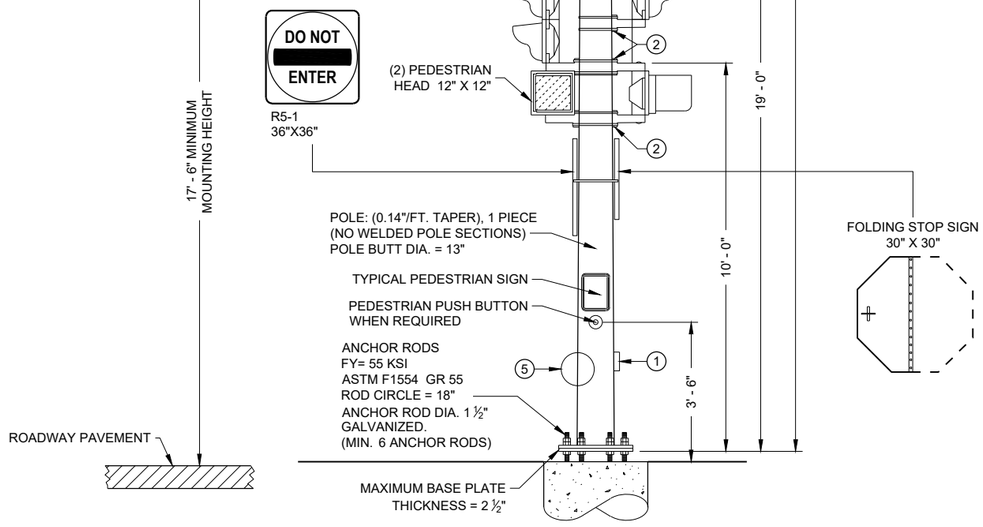


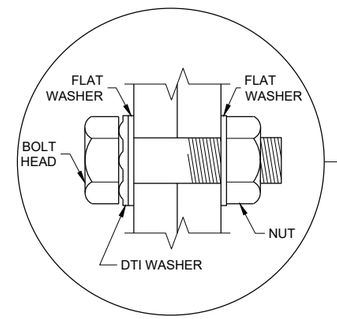


6 BOLT ARM CONNECTION DETAIL



ANCHOR ROD LOCATION





RECOMMENDED BOLT ASSEMBLY DETAIL

ROADWAY PAVEMENT

ROADWAY PAVEMENT

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

TYPE 10 SPECIAL POLE
45' MONTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 768

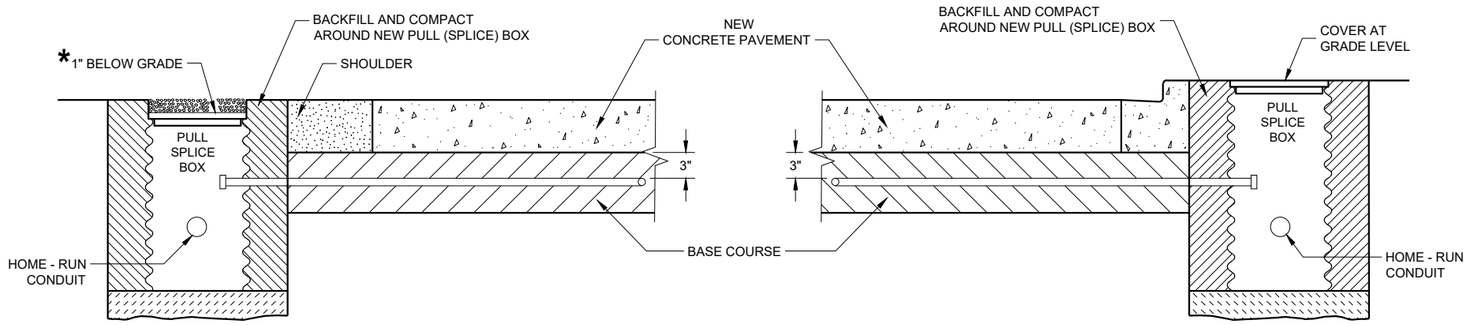
FHWA

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SDD 09E08 - 08h

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SDD 09E08 - 08h



SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

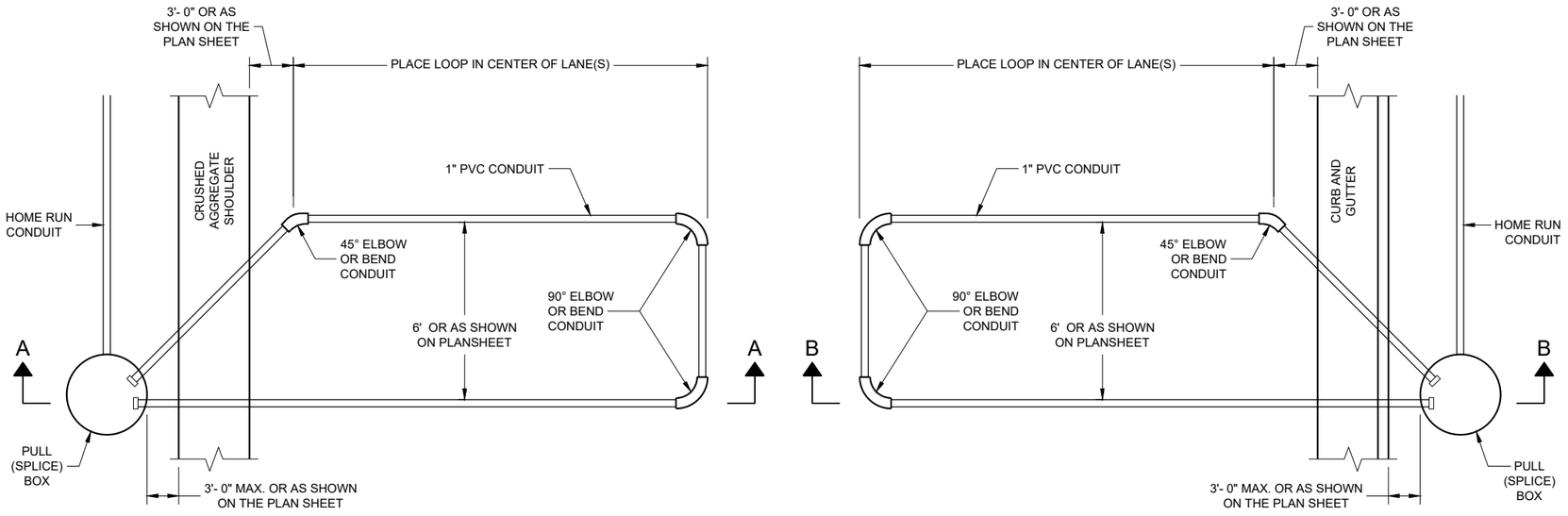
THE #12 AWG LOOP WIRE IN THE ROADSIDE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

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

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



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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

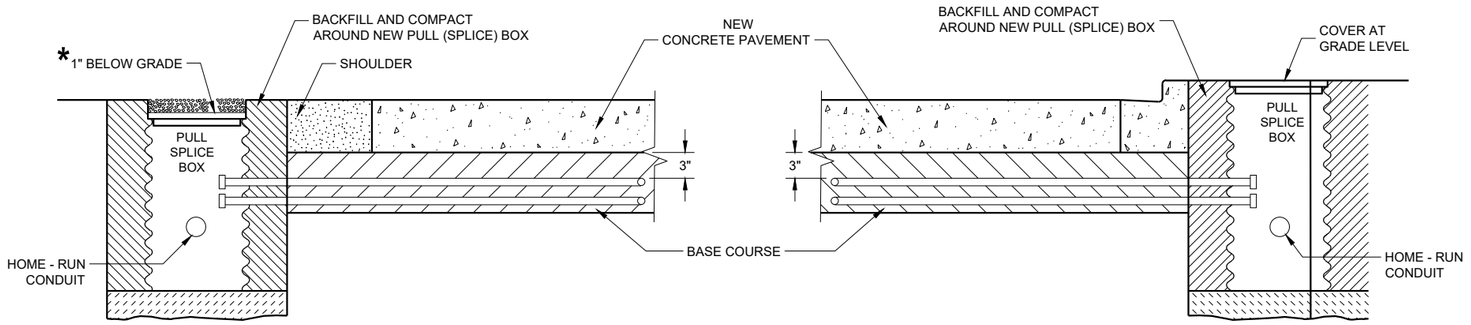
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September 2014
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/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 769
FHWA

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SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

* RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

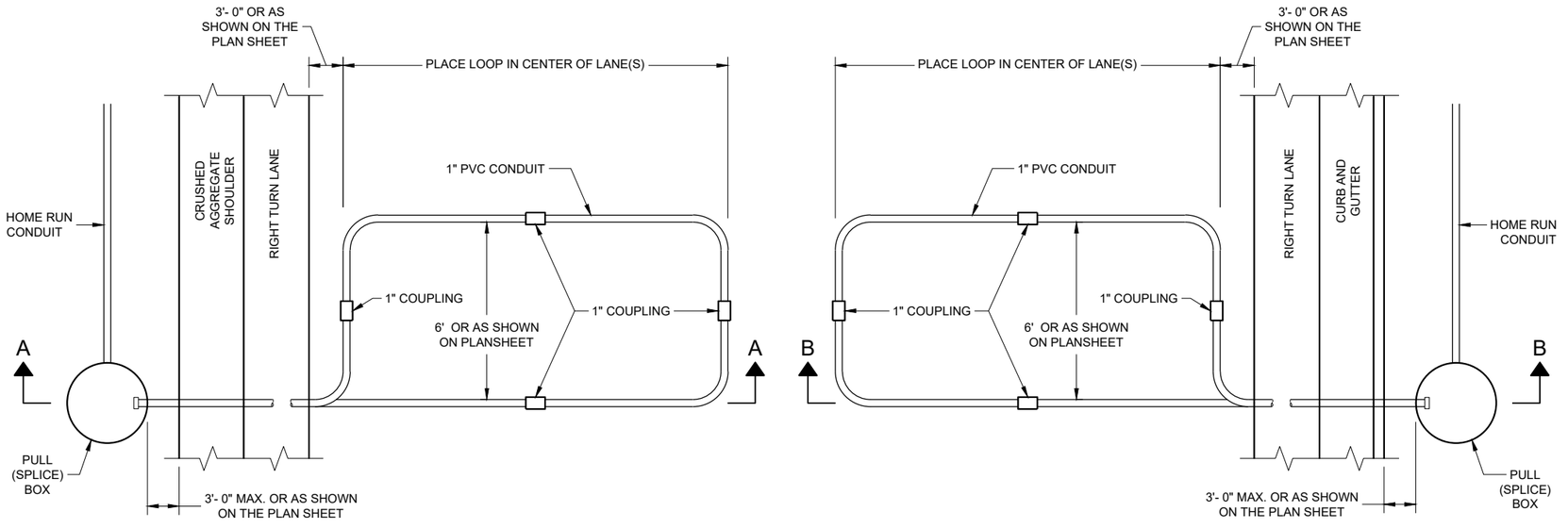
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

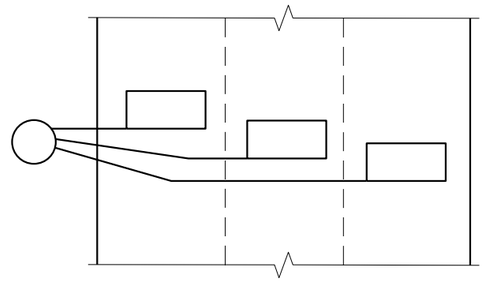
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

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

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



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



MULTI-LANE
INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

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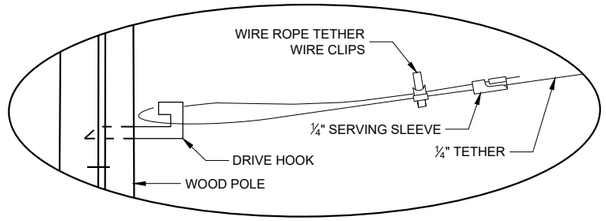
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SDD 09F15 - 04b

6

SDD 09F15 - 04b

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

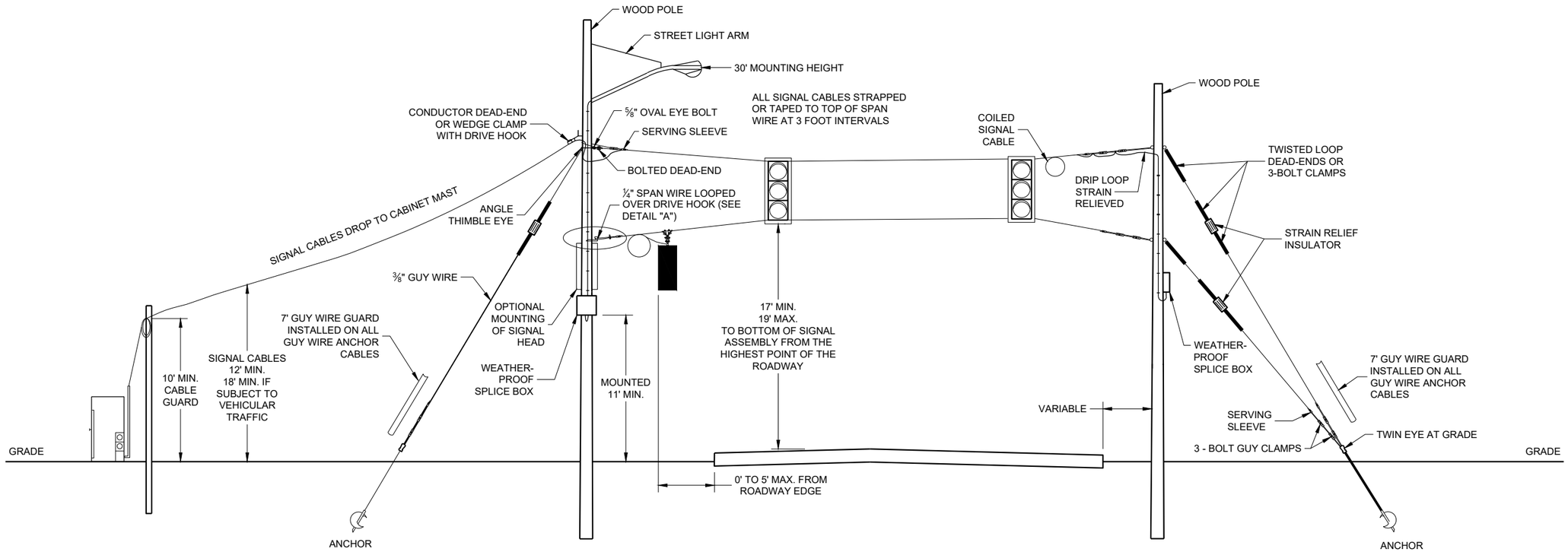


DETAIL "A"

GENERAL NOTES

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

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



SPAN WIRE
TEMPORARY SIGNALS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 771

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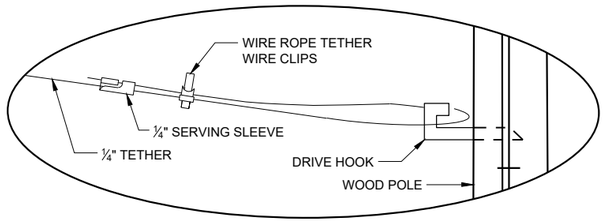
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SDD09G01 - 04a

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SDD09G01 - 04a

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

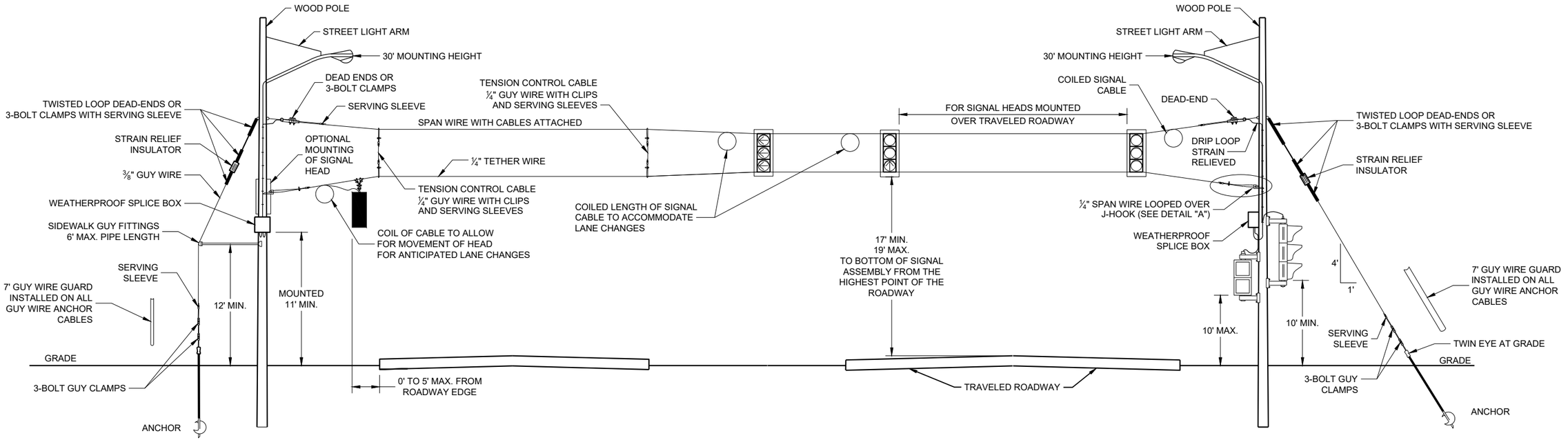


DETAIL "A"

GENERAL NOTES

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   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 772
FHWA

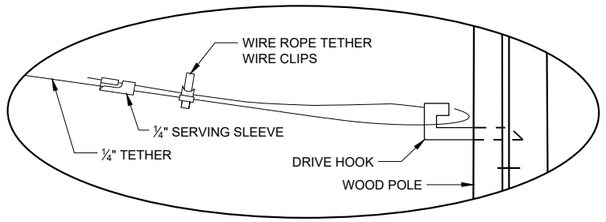
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SDD09G01 - 04b

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SDD09G01 - 04b

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

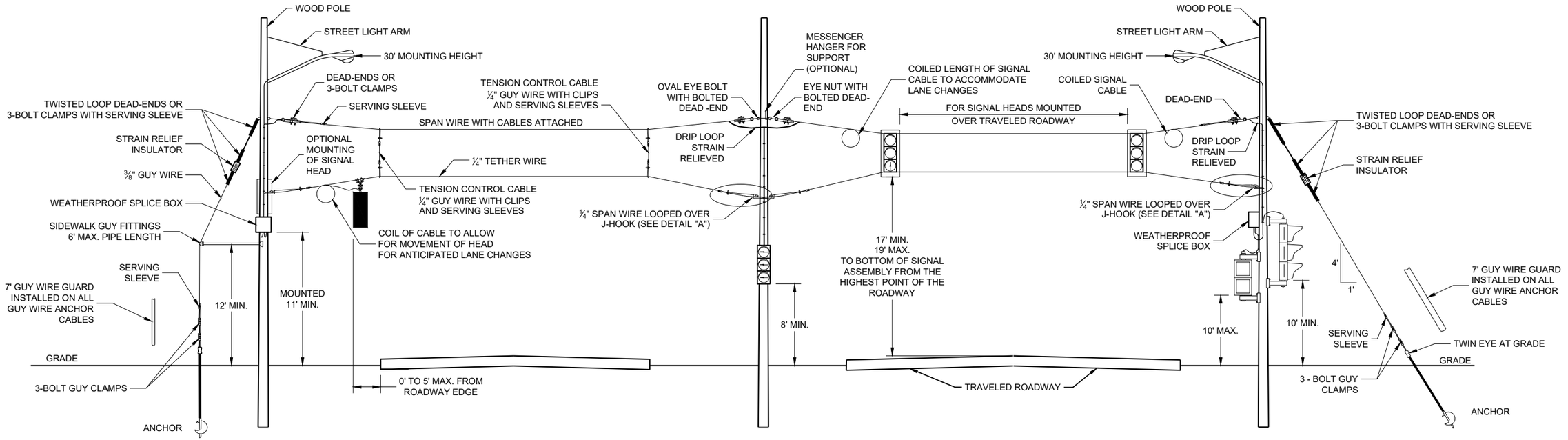


DETAIL "A"

GENERAL NOTES

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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 773

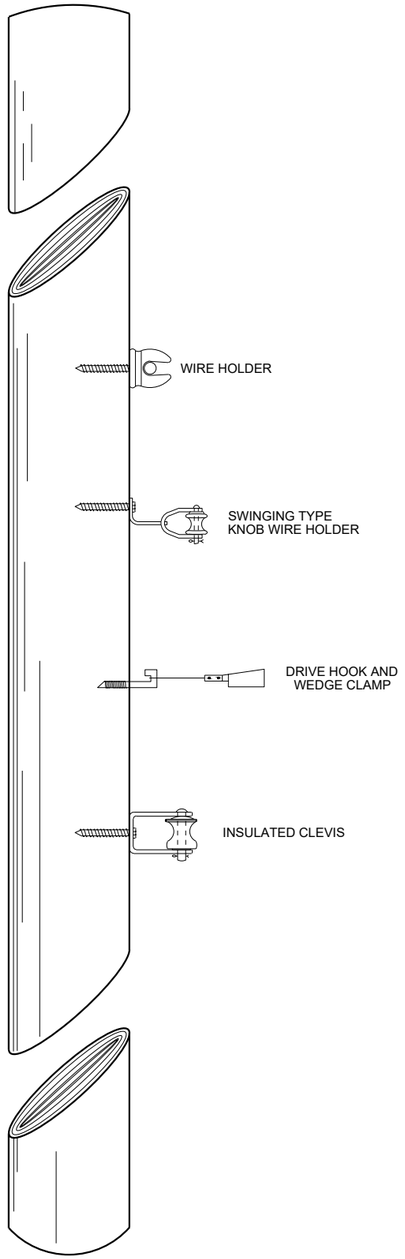
FHWA

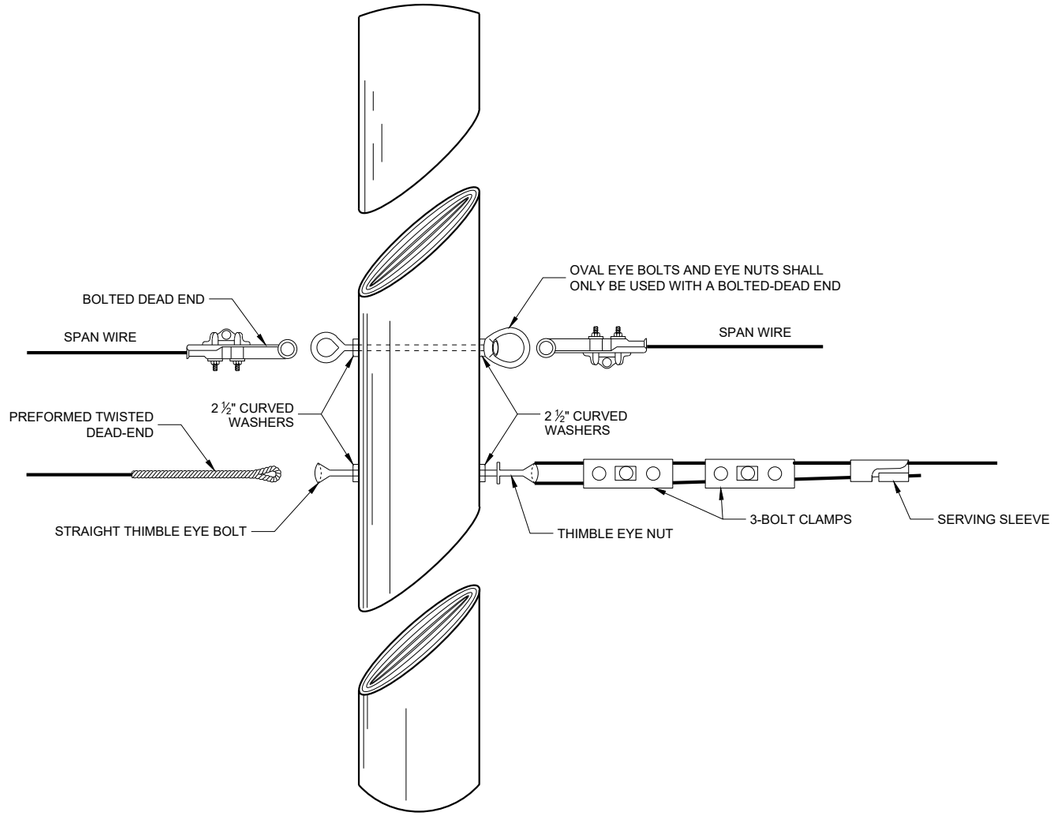
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SDD09G01 - 04c





SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

774

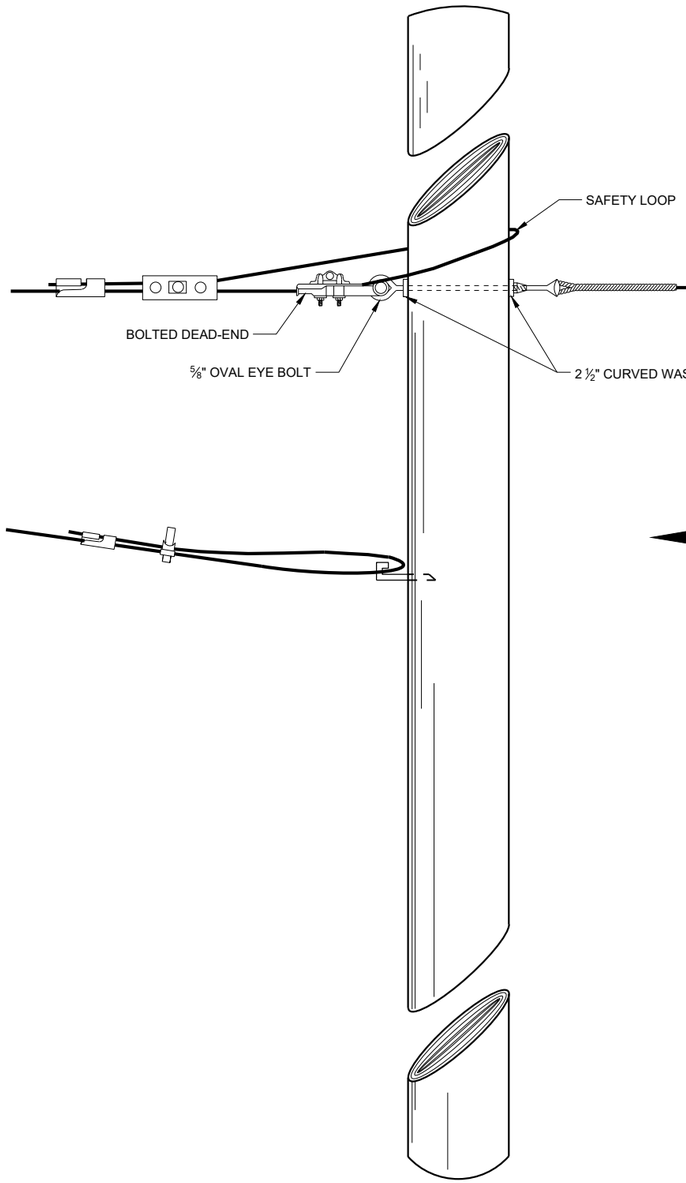
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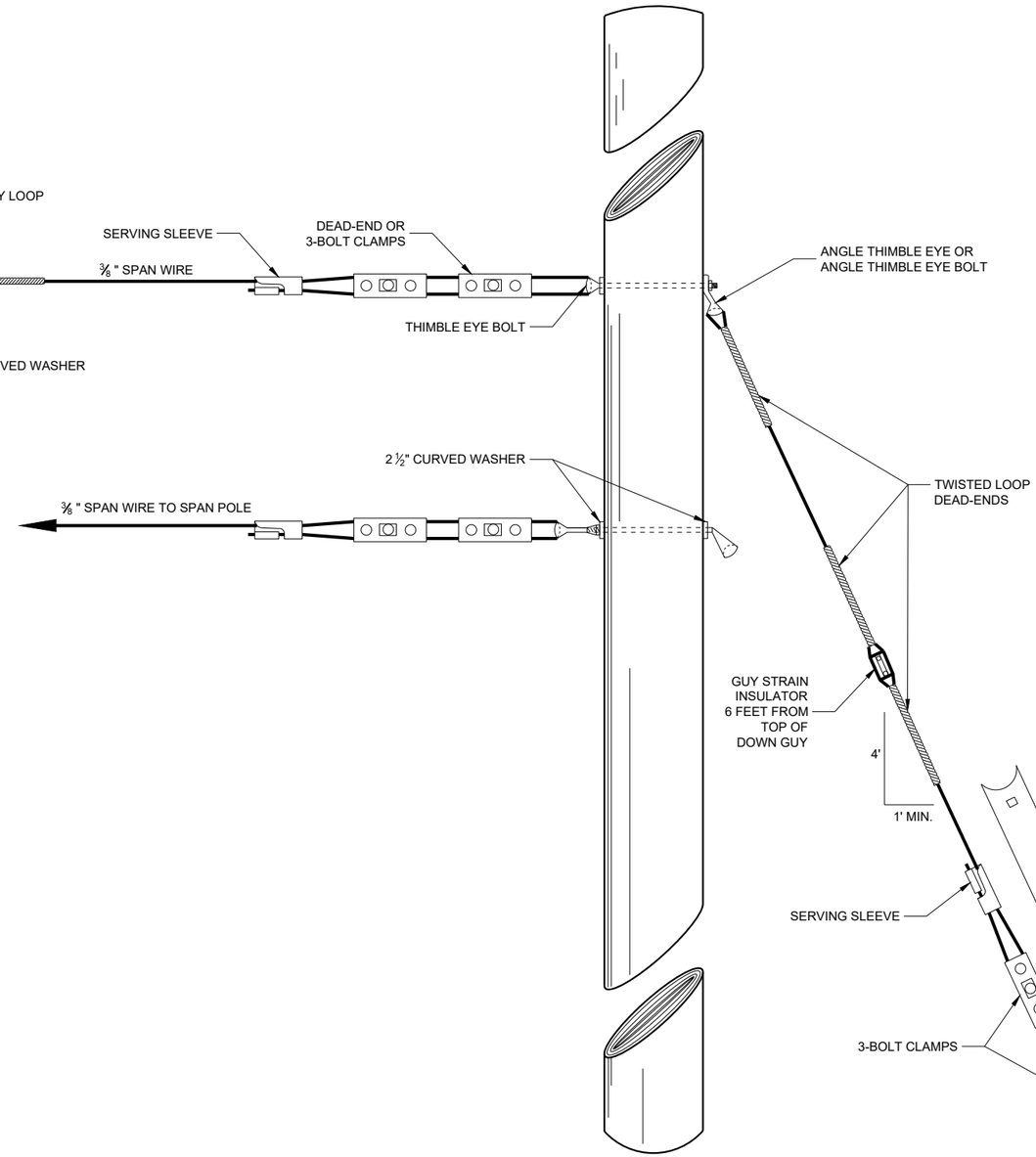
SDD 09G01 - 4d

GENERAL NOTES

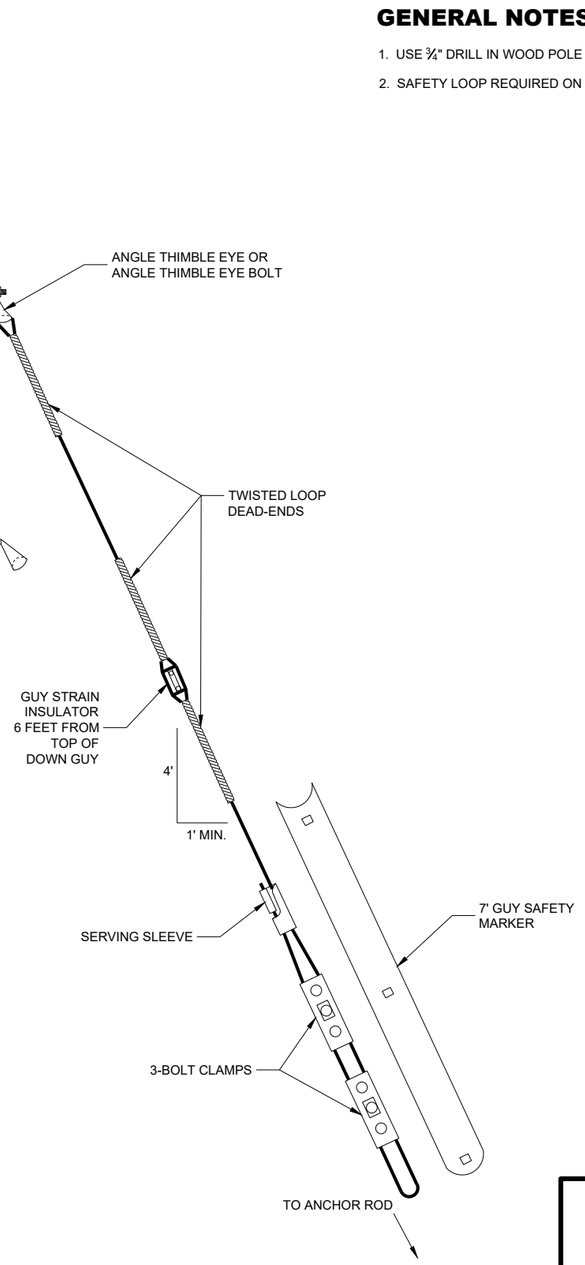
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June 2015
DATE

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ROADWAY STANDARDS DEVE ENGINEER

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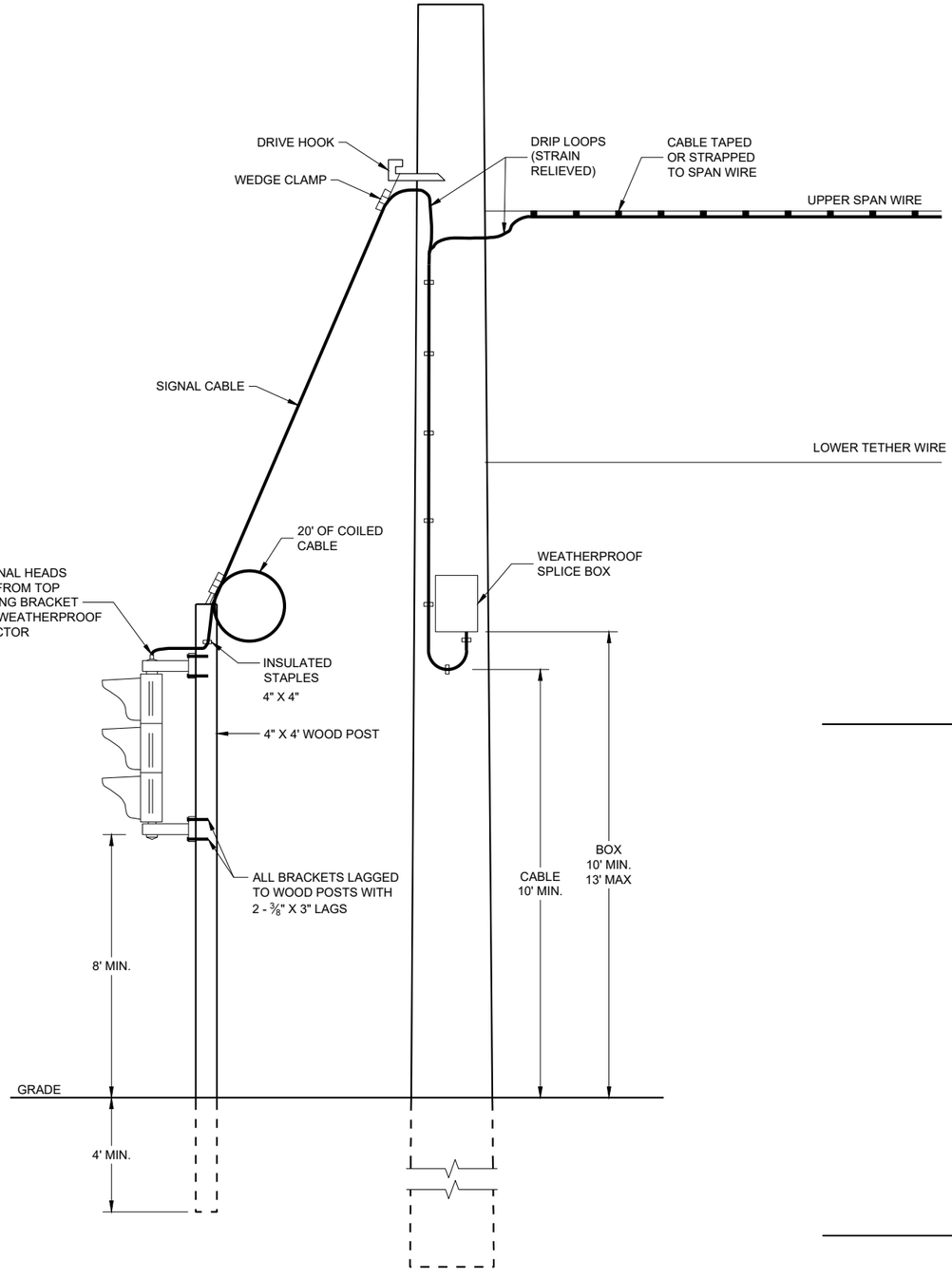
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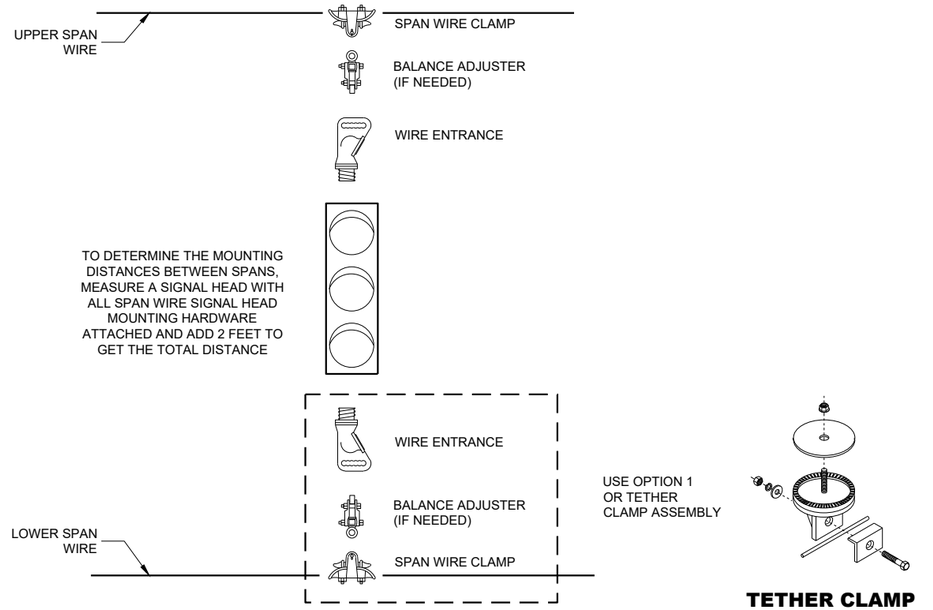
SDD 09G01 - 4e

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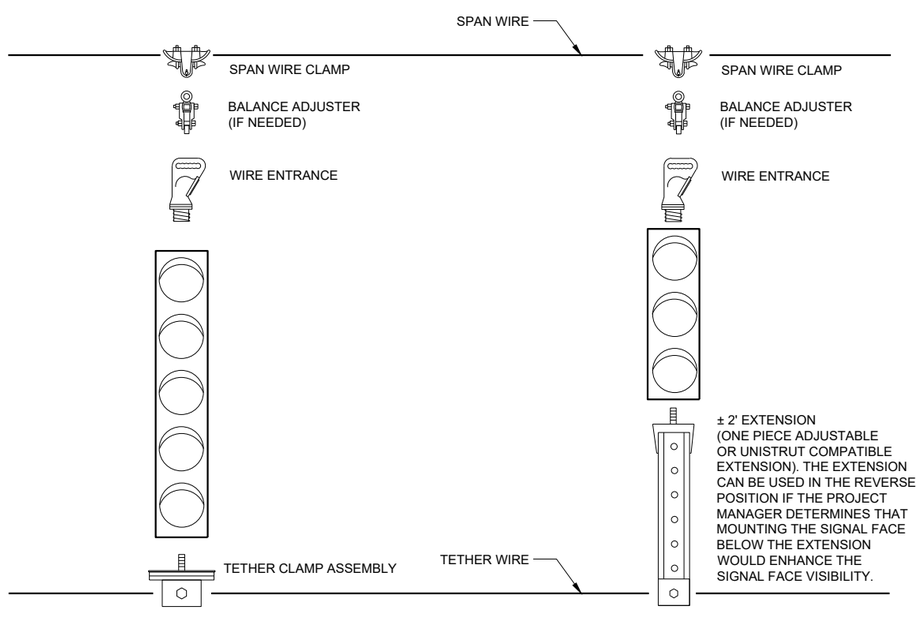
SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

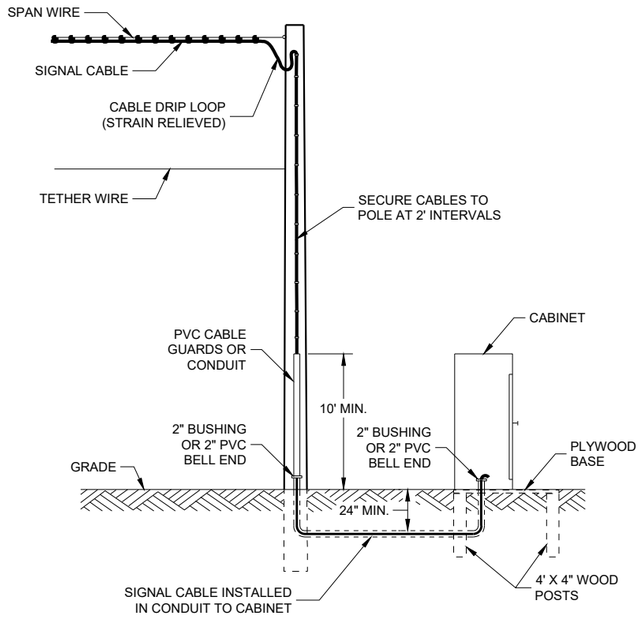
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

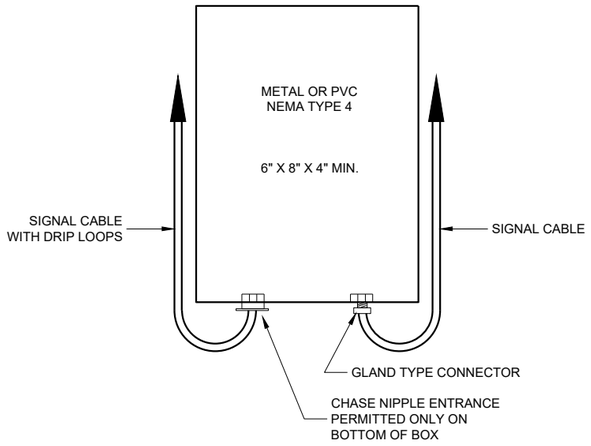
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June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER

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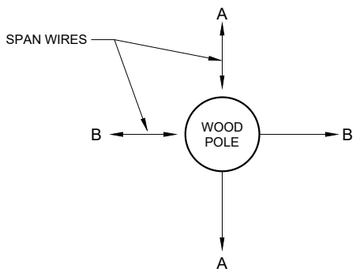
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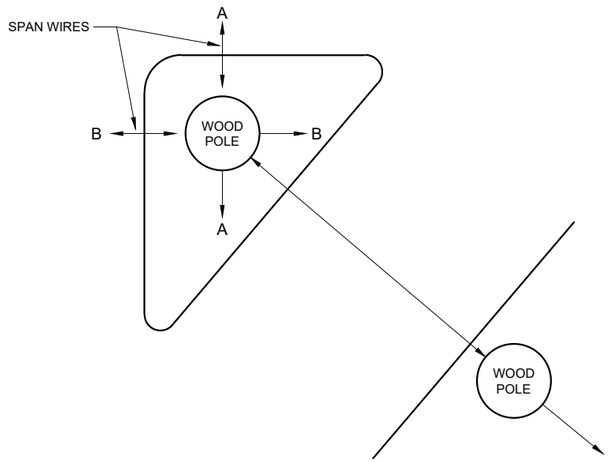
SPLICE BOX

TYPICAL SKID TYPE TEMPORARY

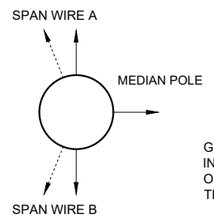


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



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

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

777

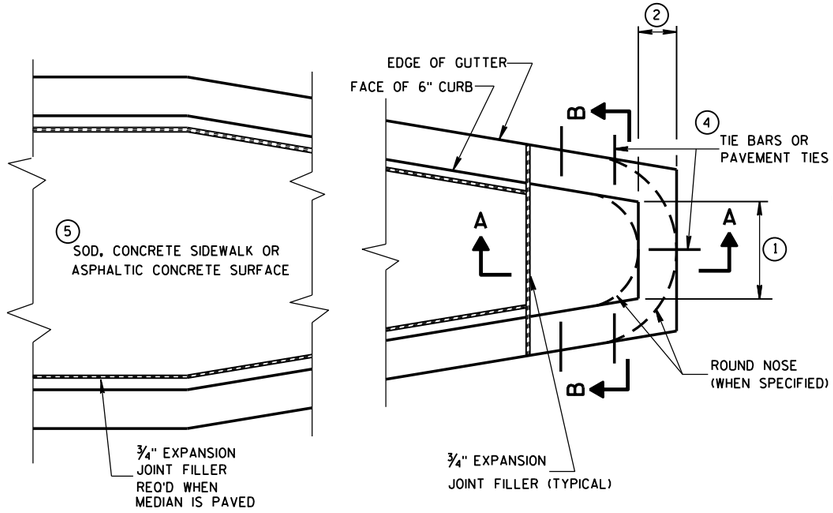
FHWA

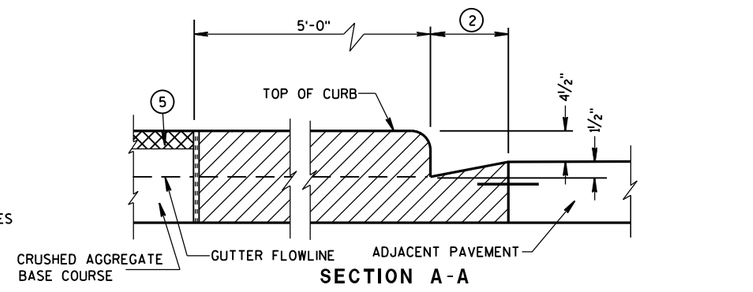
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SDD 09G01 - 4g

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SDD 09G01 - 4g





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

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

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

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

(1) NEW OR EXISTING CONCRETE PAVEMENT.

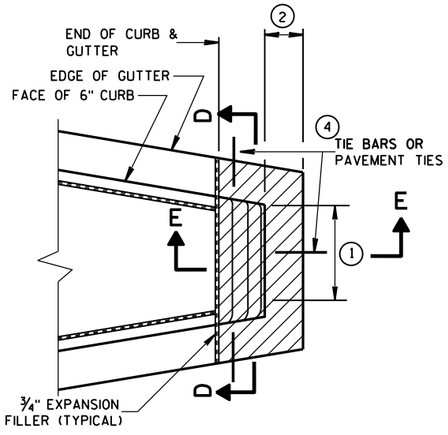
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

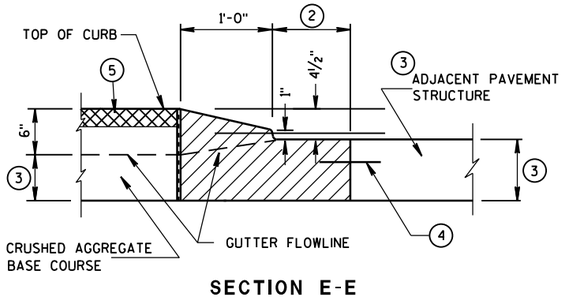
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

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

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

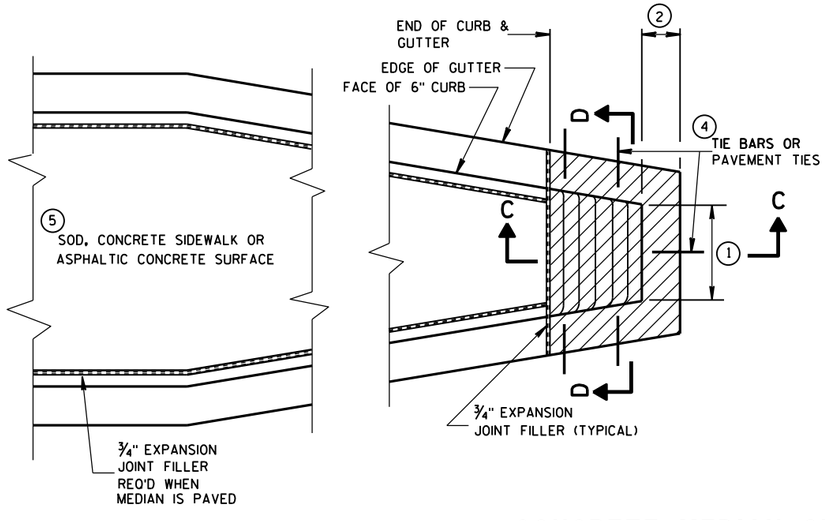
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

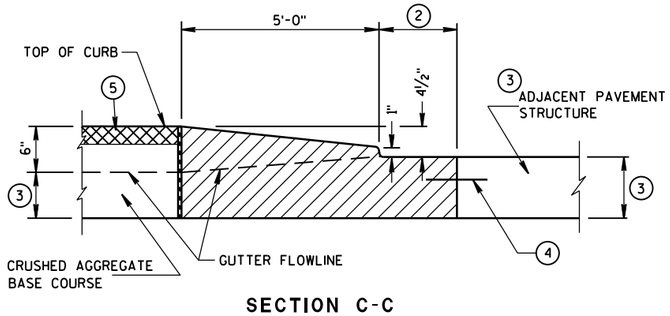




SECTION E-E

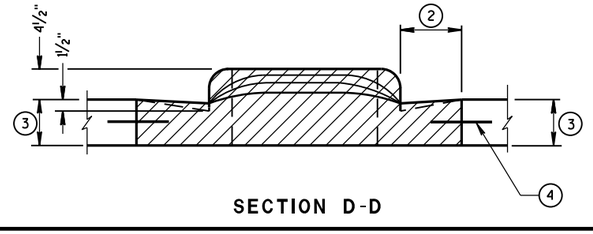
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

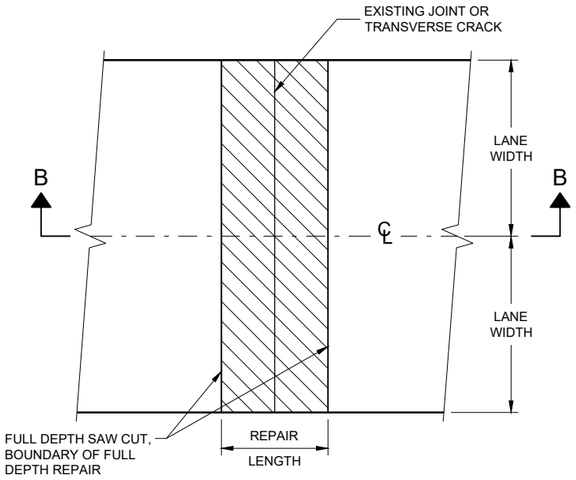
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D 778
ENGINEER
FHWA

6

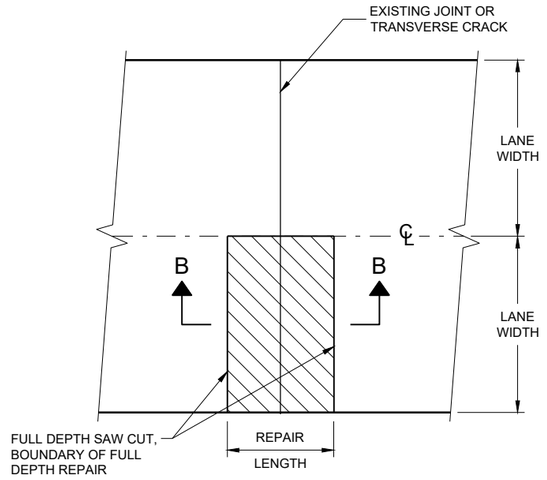
S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



PLAN VIEW
(DOUBLE LANE REPAIR)



PLAN VIEW
(SINGLE LANE REPAIR)

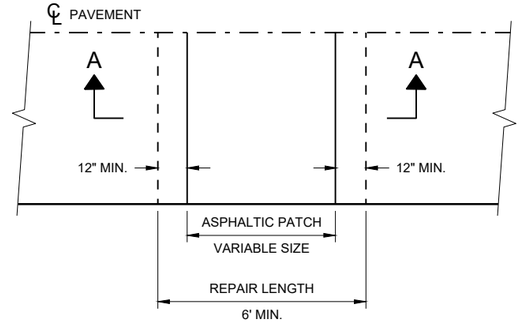
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

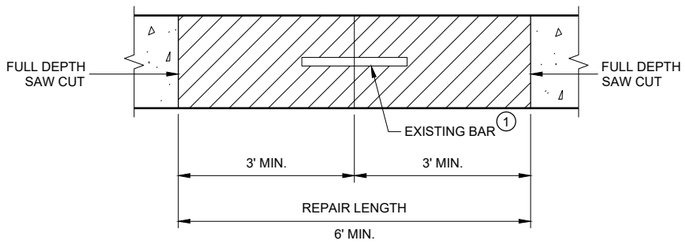
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.



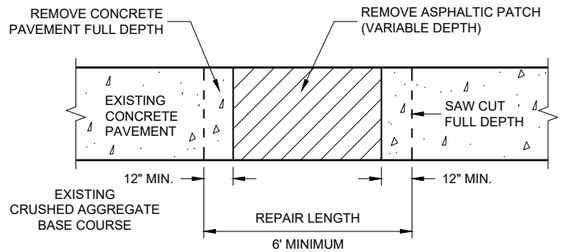
PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B

CONCRETE REMOVAL



SECTION A - A

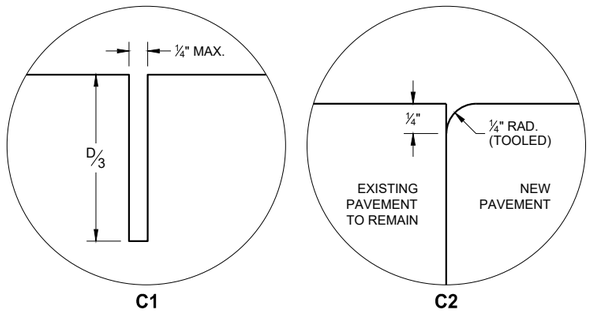
HMA PATCH REMOVAL

CONCRETE PAVEMENT
REPAIR AND REPLACEMENT

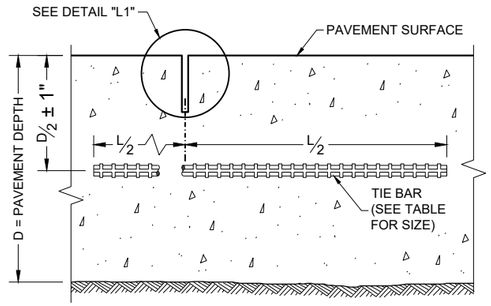
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD13C09 - 17a

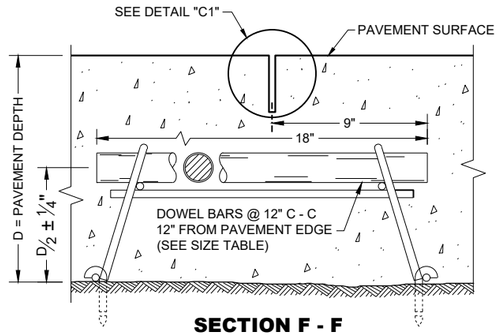


TRANSVERSE JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

DOWELED CONTRACTION JOINT

GENERAL NOTES

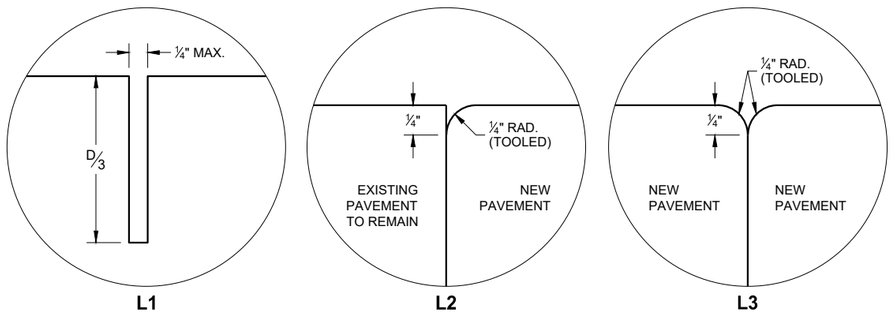
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE PAVEMENT REPAIRS OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

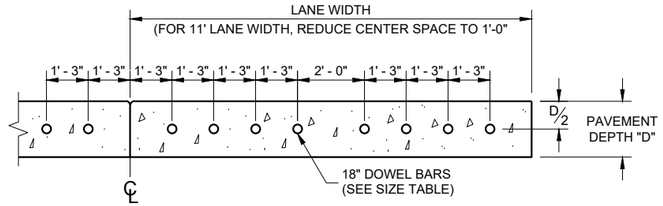
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

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

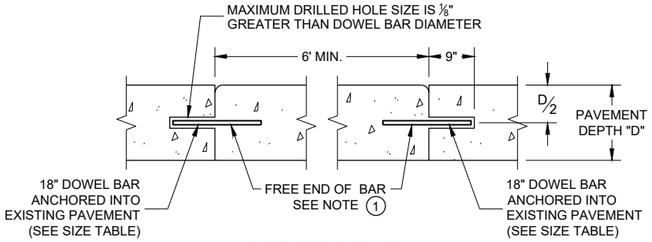


LONGITUDINAL JOINTS



SECTION E - E

DRILLED DOWEL BAR CONSTRUCTION JOINT



SECTION D - D

TIE BAR TABLE

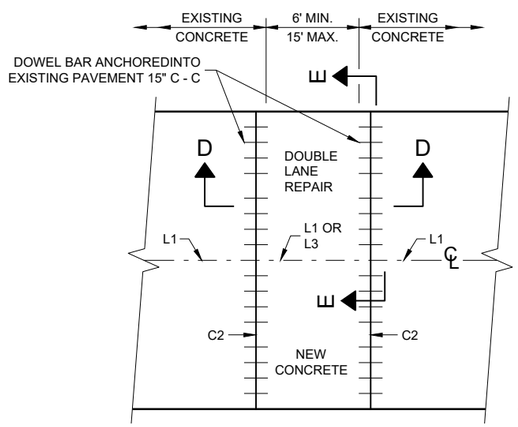
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* 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.

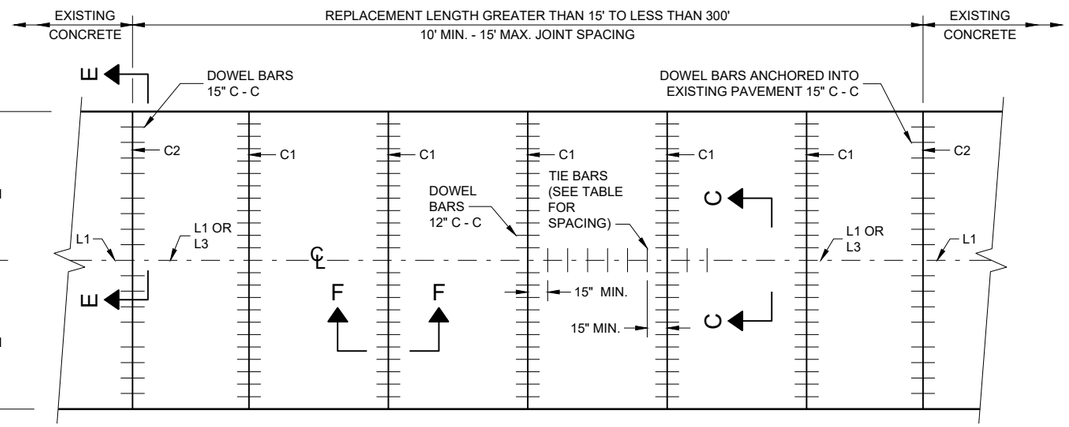
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

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



PLAN VIEW

MULTILANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

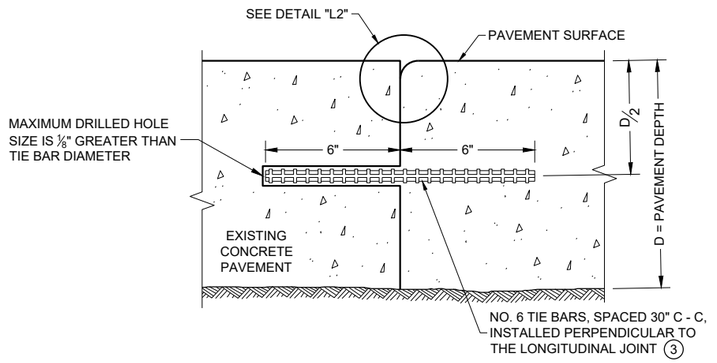
MULTILANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C09 - 17b

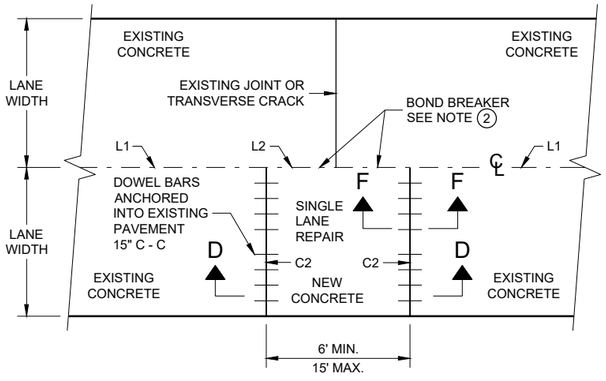


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

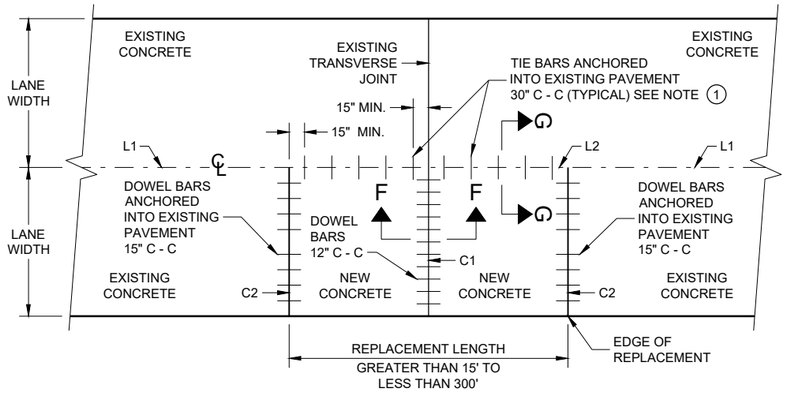
GENERAL NOTES

1. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
2. USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
3. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS
FHWA

6

SDD 13C09 - 17c

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

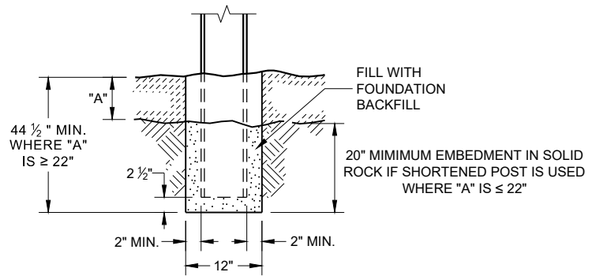
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.

(4) WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).

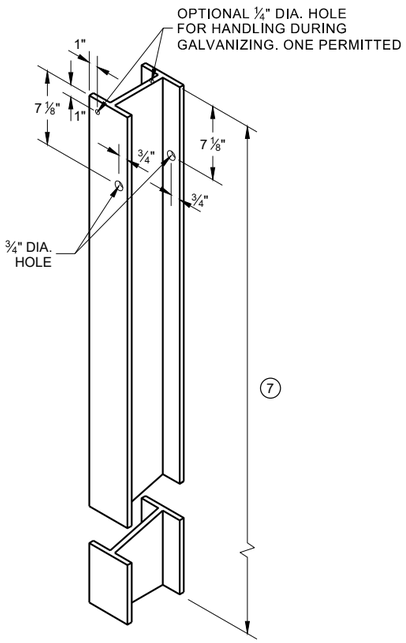
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

(6) WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

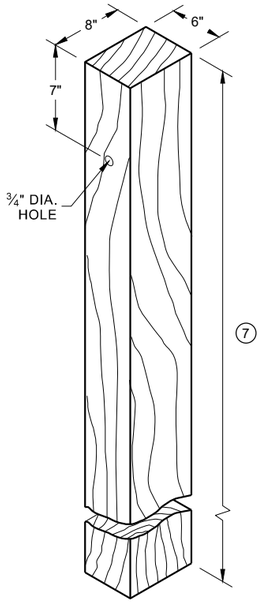
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



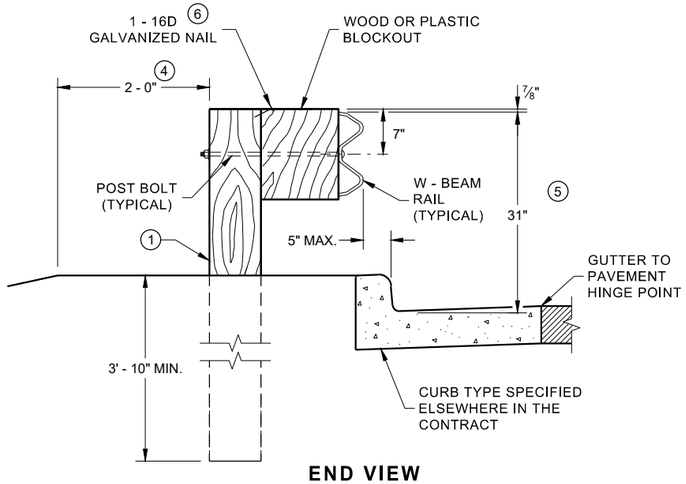
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



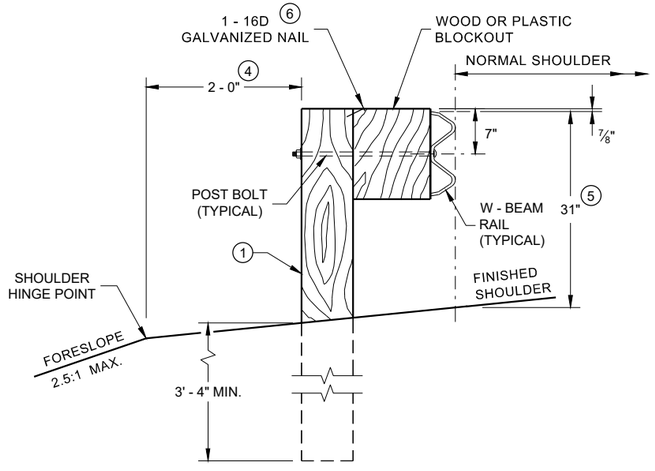
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



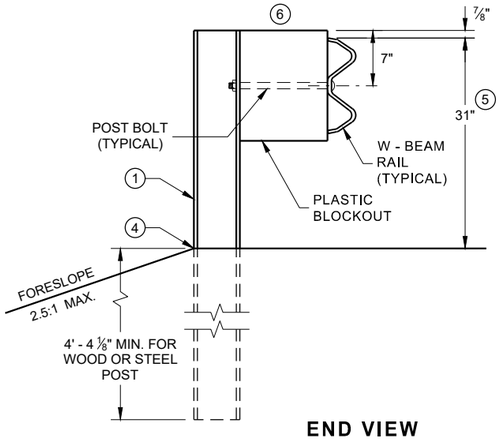
WOOD POST (6" X 8") NOMINAL (1)



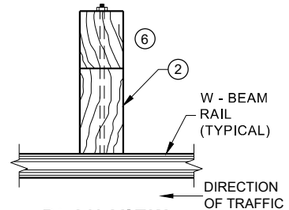
END VIEW
LOCATED ALONG A CURBED ROADWAY



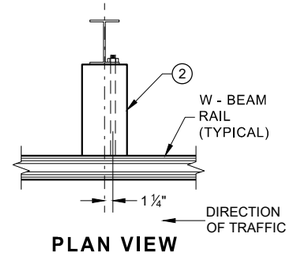
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



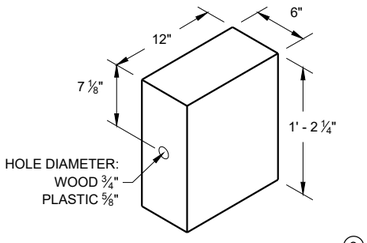
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

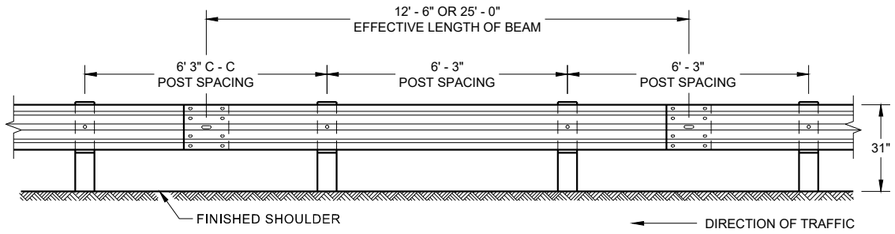
STATE OF WISCONSIN
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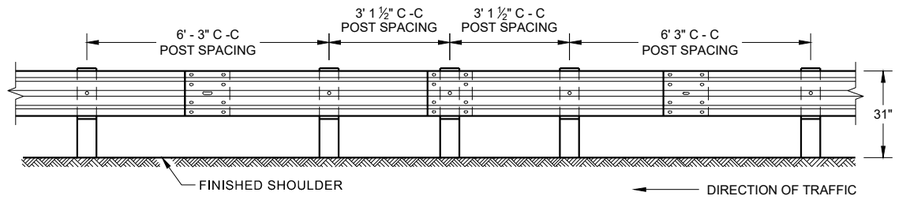
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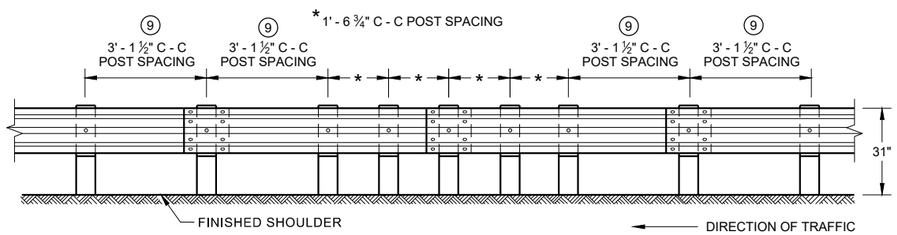
SDD 14B42 - 07a



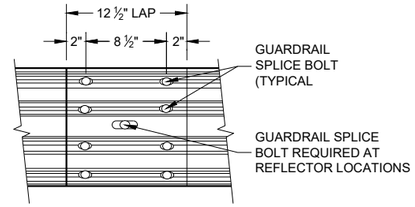
FRONT VIEW
POST SPACING STANDARD INSTALLATION



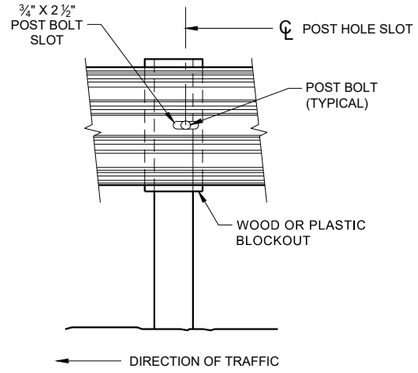
FRONT VIEW
HALF POST SPACING (HS) AND HALF POST SPACING WITH LONGER POSTS (K)



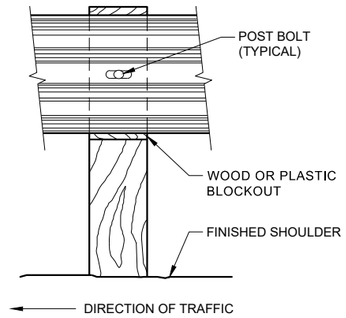
FRONT VIEW
QUARTER POST SPACING (QS)



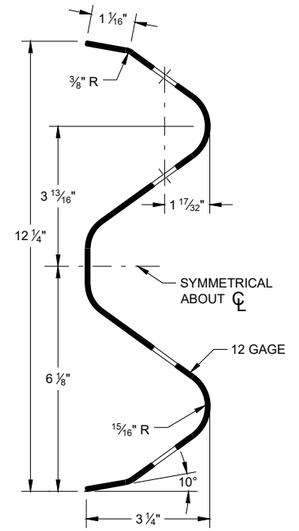
FRONT VIEW
MID-SPAN BEAM SPLICE



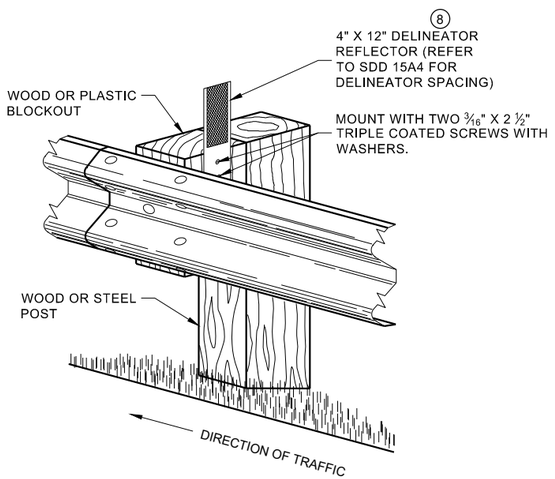
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



ONE SIDED REFLECTOR DETAIL AND TYPICAL INSTALLATION

GENERAL NOTES

⑧ DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

⑨ 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND ⅝" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

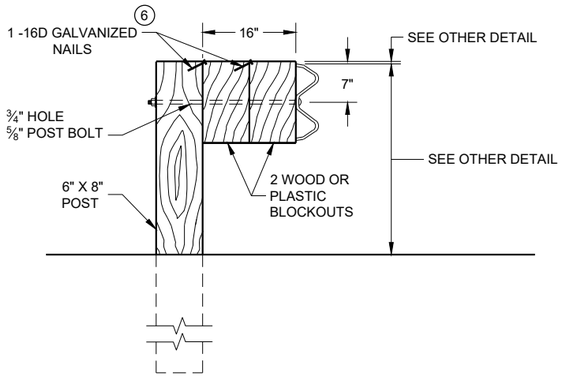
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
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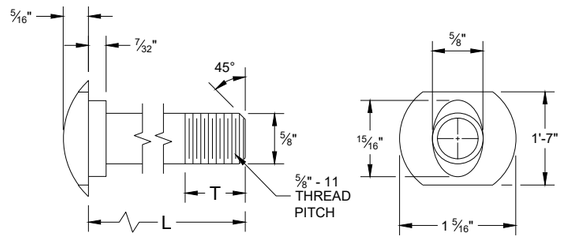


DETAIL FOR 16" BLOCKOUT DEPTH

IT IS ACCEPTABLE TO USE BLOCKOUTS UP TO 16" DEEP TO INCREASE THE POST OFFSET TO AVOID UNDERGROUND OBSTACLES. THERE IS NO LIMIT TO THE NUMBER OF POSTS THAT CAN HAVE ADDITIONAL BLOCKOUTS UP TO 16" DEEP.

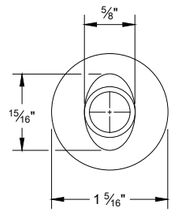
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3⁄16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

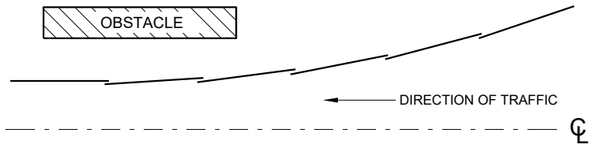


POST BOLT TABLE

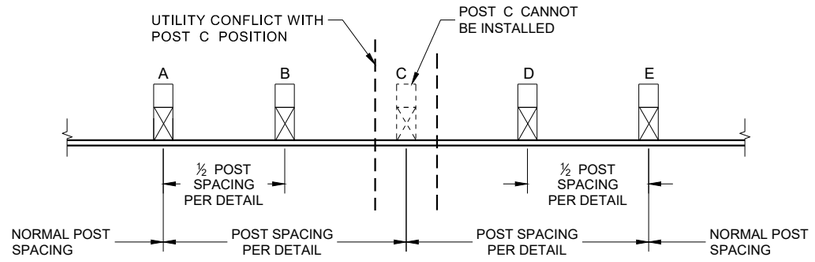
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1⁄16"
18"	4"
21"	4 1⁄16"
25"	4"



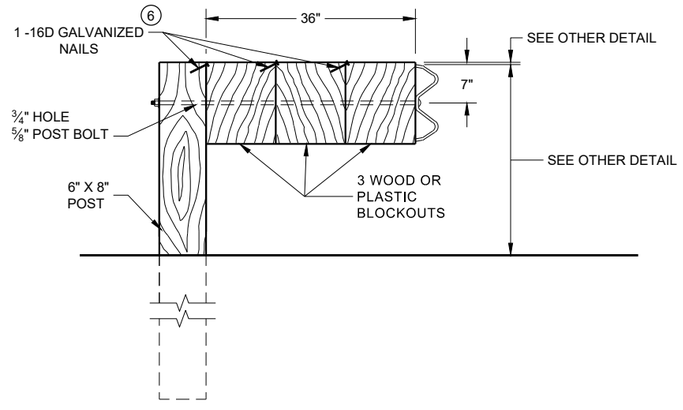
ALTERNATE BOLT HEAD



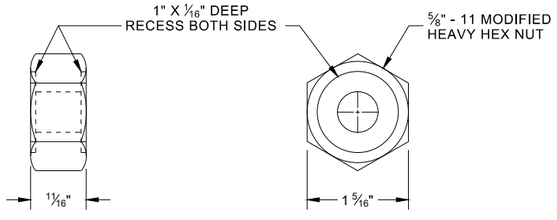
PLAN VIEW
BEAM LAPPING DETAIL



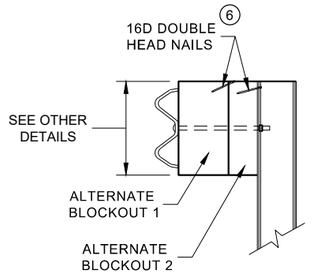
POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



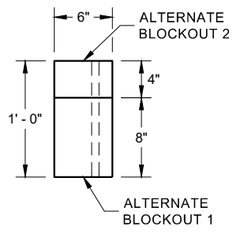
DETAIL FOR 36" BLOCKOUT DEPTH



POST BOLT, SPLICE BOLT AND RECESS NUT



SIDE VIEW



PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

NOTES: UNDER SPECIAL CIRCUMSTANCES, SUCH AS AVOIDING OBSTACLES THAT ARE NOT RELOCATED, IT IS ACCEPTABLE TO INSTALL ADDITIONAL BLOCKOUTS TO OBTAIN UP TO 36" DEPTH FOR ONE OR TWO POSTS IN A SECTION OF GUARDRAIL.

DO NOT USE 16" OR 36" BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

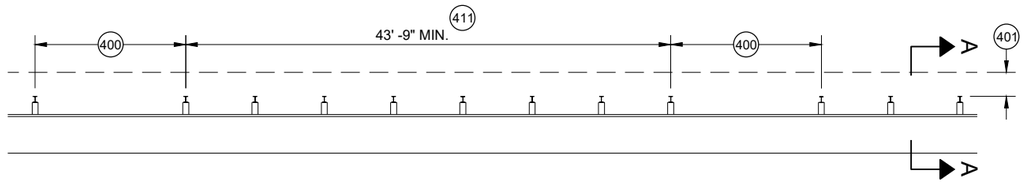
(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

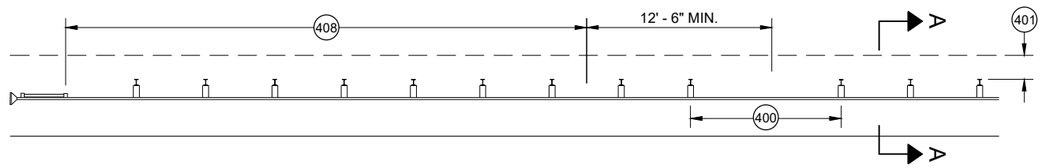
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

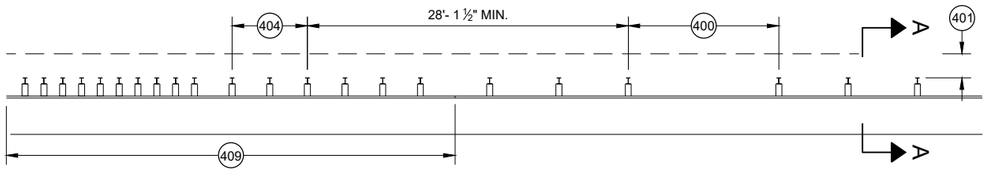
SDD 14B42 - 07c



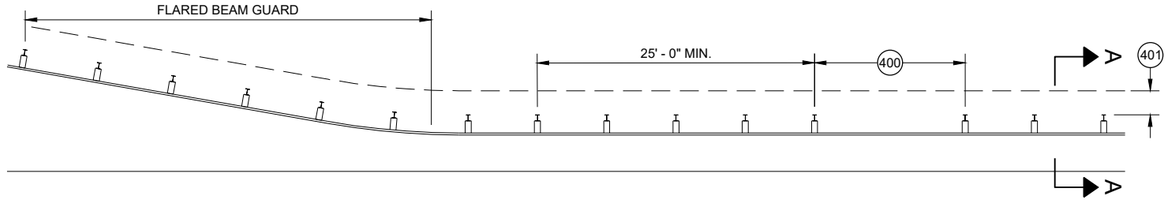
MISSING POST IN MGS GUARDRAIL



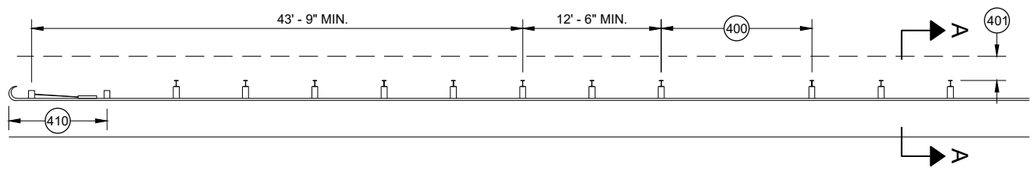
MISSING POST IN MGS GUARDRAIL NEAR EAT



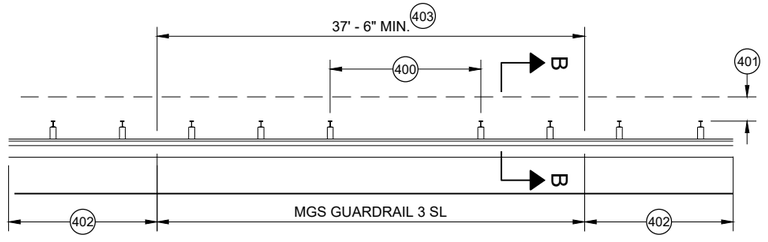
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

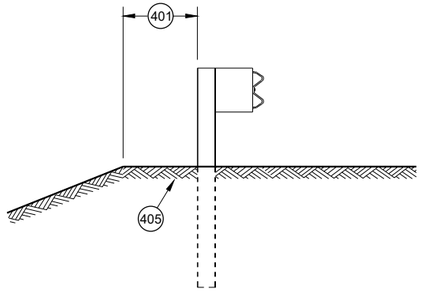


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

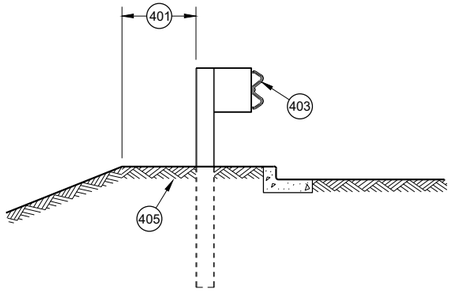


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

(400) MAX SPAN 12' - 6"
(401) 2' MIN.
(402) MGS GUARDRAIL 3
(403) NESTING BEAM GUARD
(404) ASYMMETRIC TRANSITION
(405) SOIL WELL DRAINED AND COMPACTED
(406) SEE OTHER DRAWINGS IN THIS SDD
(407) SEE OTHER DRAWINGS FOR MIN. SPACING BETWEEN SPANS
(408) SEE SDD 14B44
(409) SEE SDD 14B45
(410) SEE SDD 14B47
(411) MINIMUM DISTANCE BETWEEN MISSING POST SPANS.



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

6

SDD 14B42 - 07d

GENERAL NOTES

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL) AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED

(C) DIFFERENT MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

(D) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF - TAPPING SCREWS. ONE SCREW PER CORNER.

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

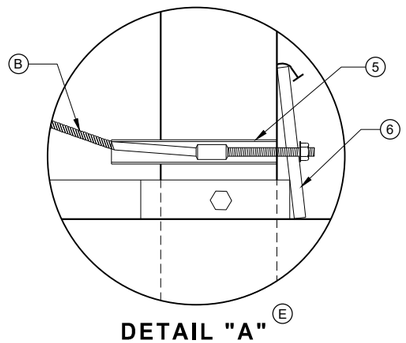
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

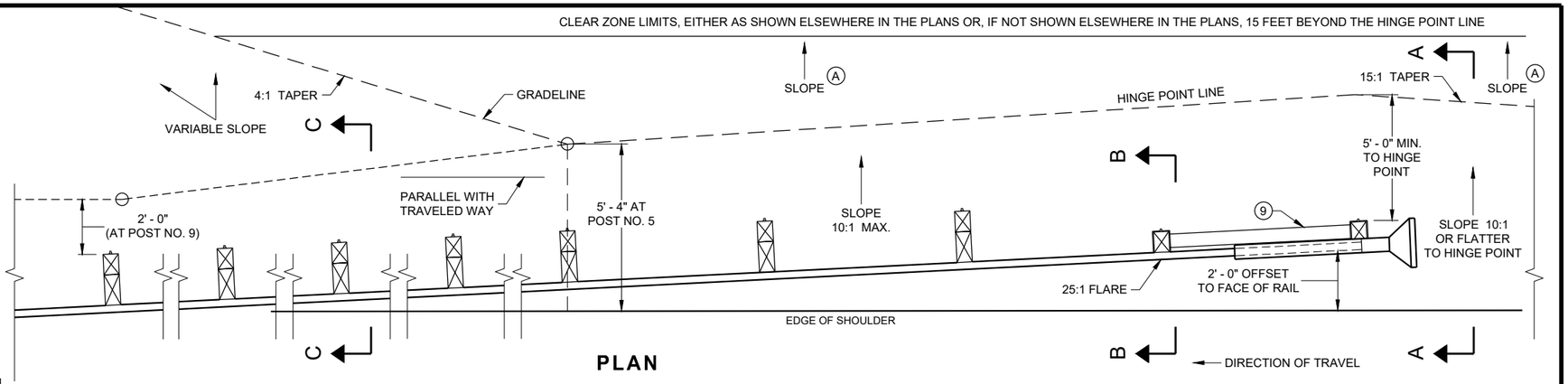
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

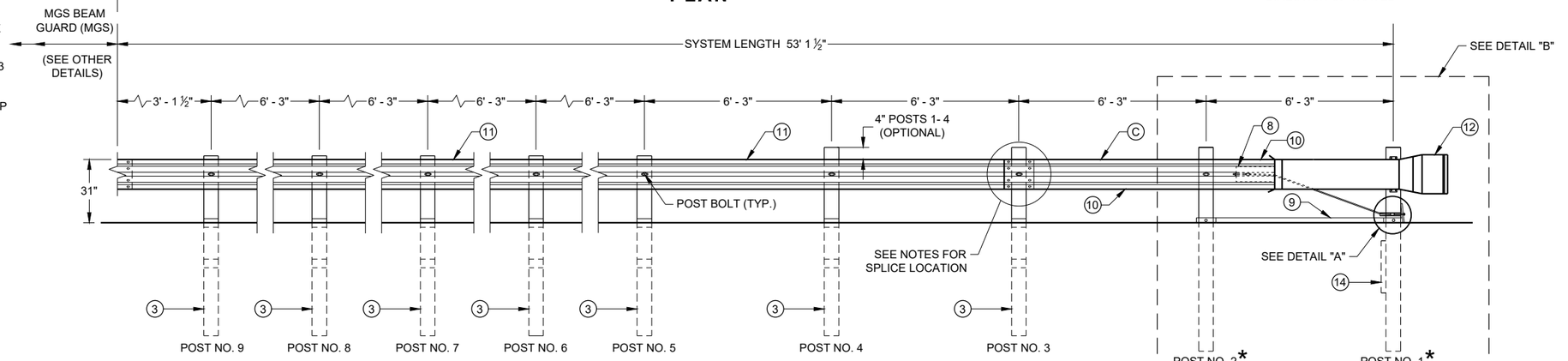
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



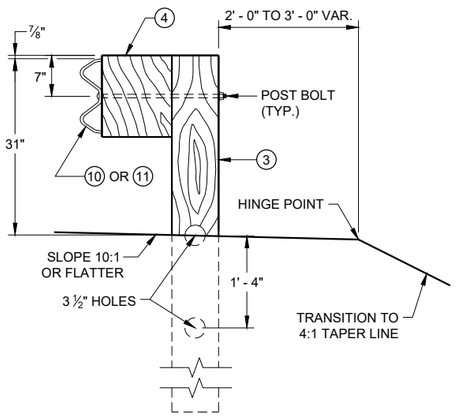
DETAIL "A" (E)



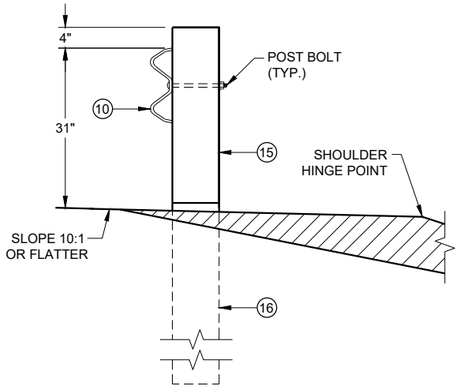
PLAN



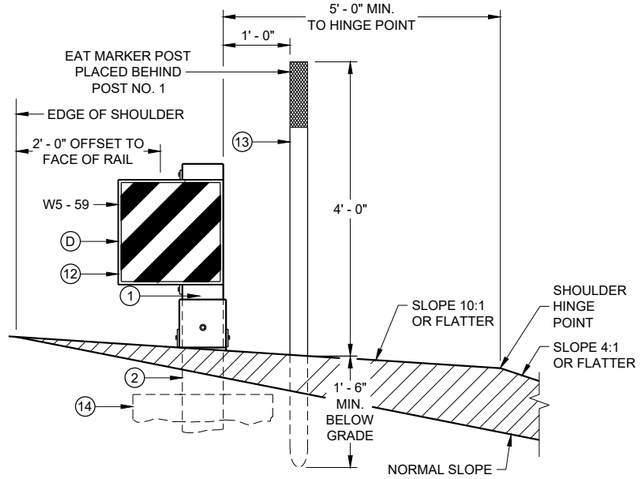
ELEVATION



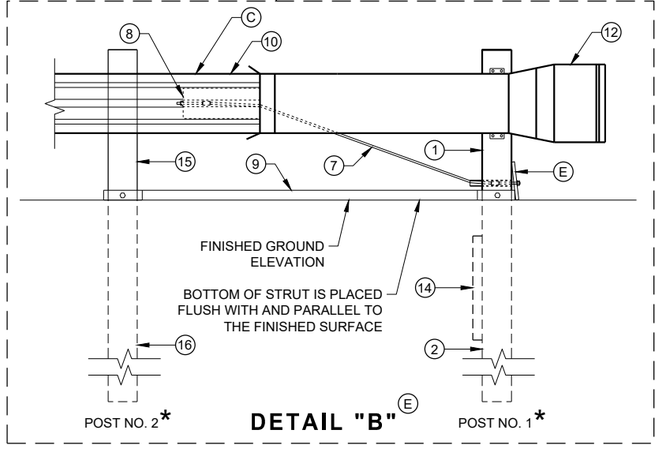
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



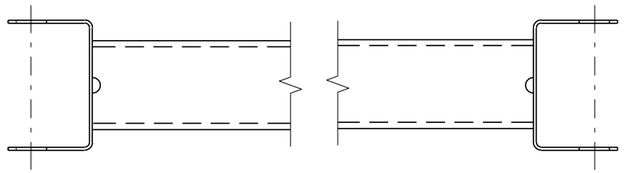
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

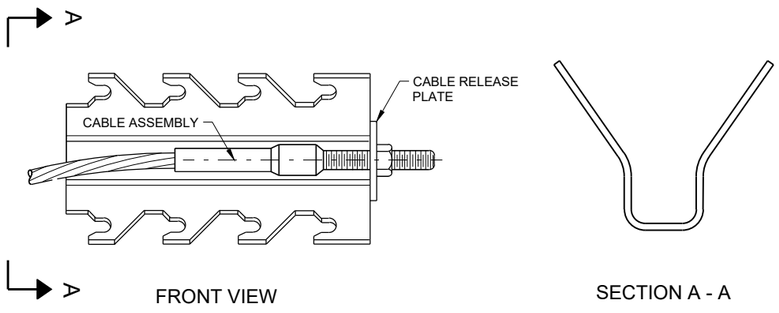
SDD 14B44 - 04a



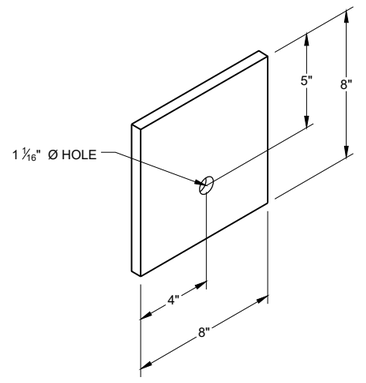
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUGACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED W-BEAM RAIL END PANEL, 12'-6" LONG.
⑪	STANDARD W-BEAM RAIL. MULTIPLE SECTIONS REQUIRED. SECTIONS VARY IN LENGTH.
⑫	IMPACT HEAD
⑬	EAT MARKER POST - YELLOW (SEE APPROVED PRODUCTS LIST)
⑭	SOIL PLATE
⑮	UPPER POST NO. 2
⑯	LOWER POST NO. 2



GENERIC ANCHOR CABLE BOX ⑨ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

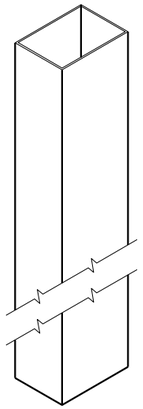
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SDD 14B44 - 04b

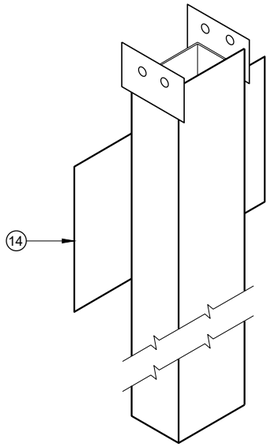
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

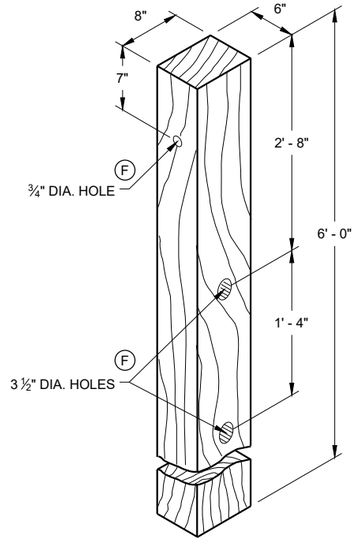
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



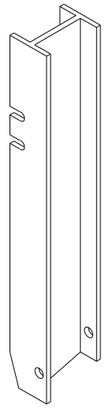
UPPER POST NO. 1 (1) (E)



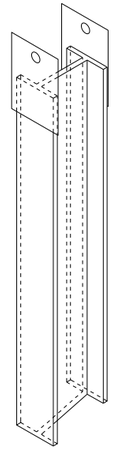
LOWER POST NO. 1 (2) (E)



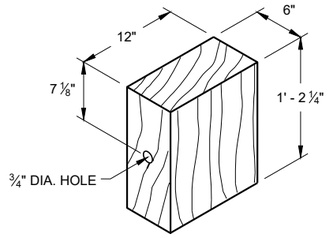
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



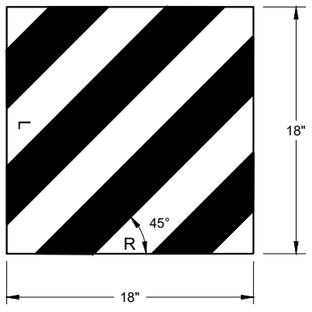
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

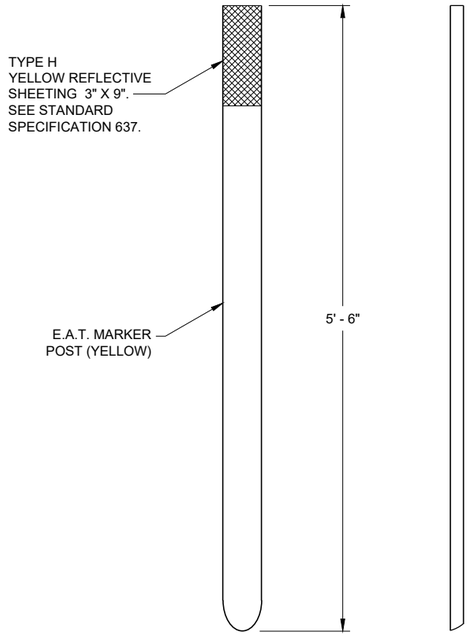


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



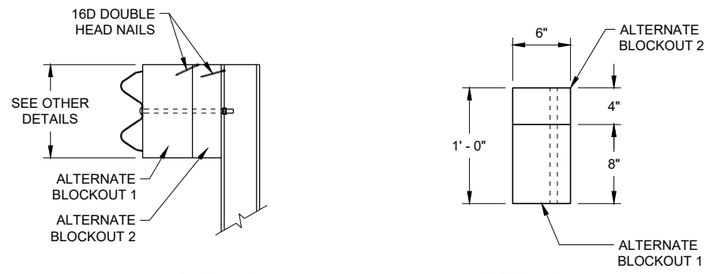
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

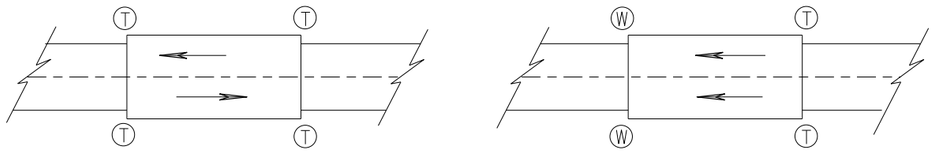
APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR
788
FHWA

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SDD 14B44 - 04c

6

SDD 14B44 - 04c



TWO WAY TRAFFIC

ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2½", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

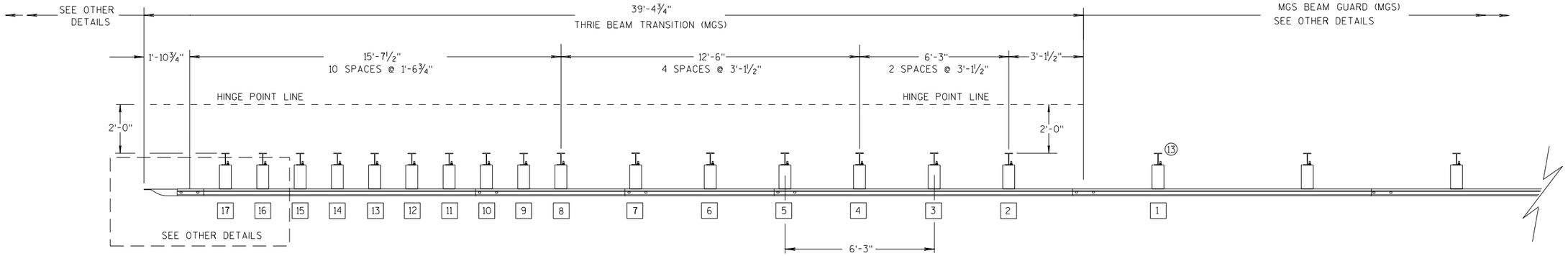
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

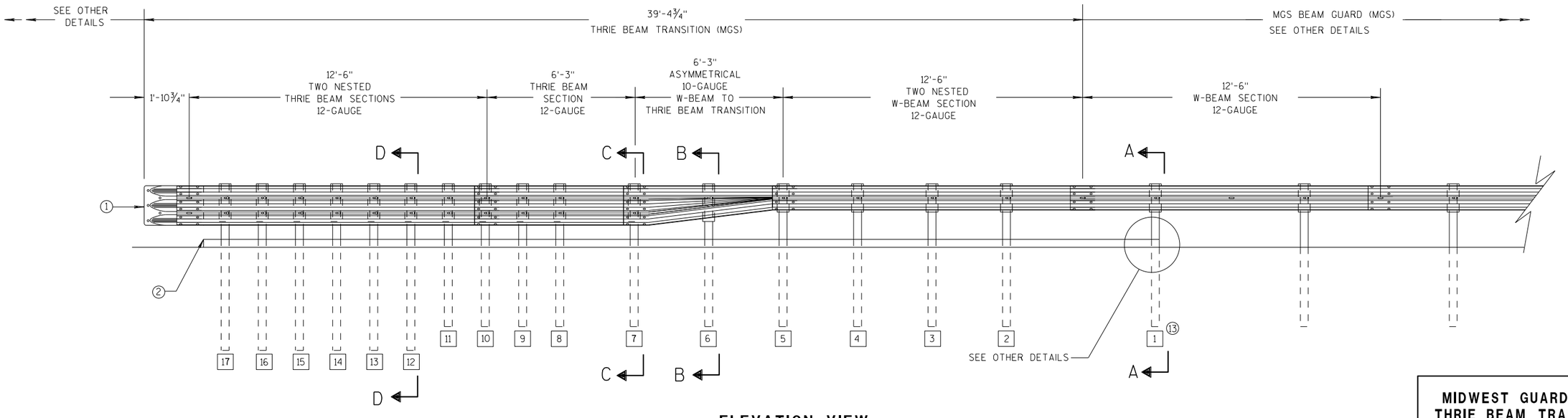
(1) BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 789

6

S.D.D. 14 B 45-5a

6

S.D.D. 14 B 45-5a

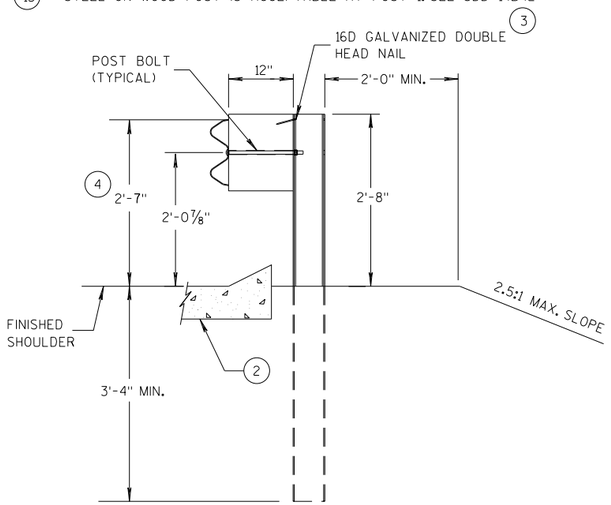
GENERAL NOTES

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

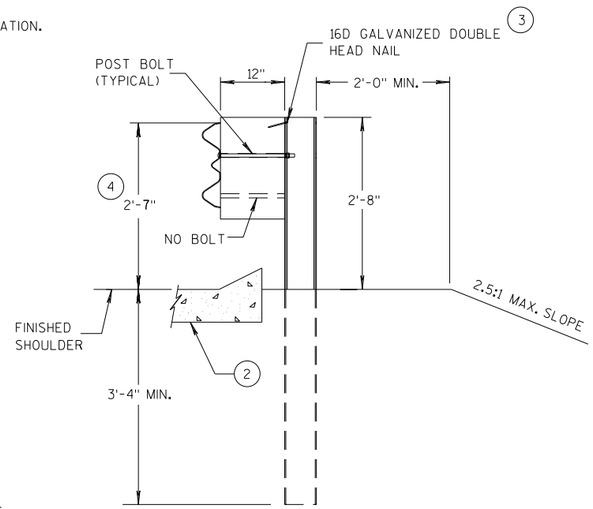
(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



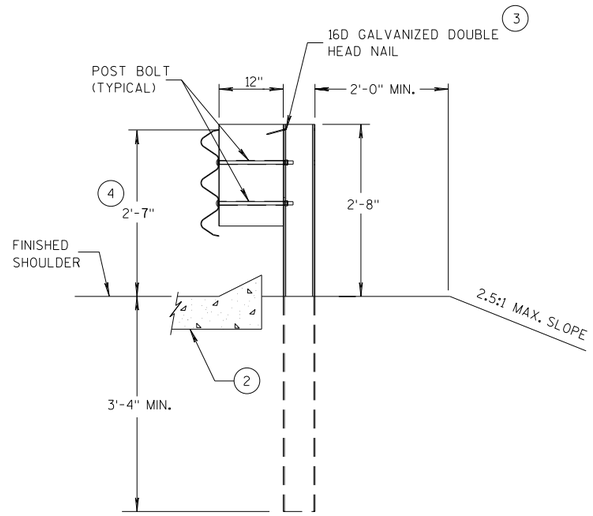
SECTION A-A (13)

POSTS 1-5



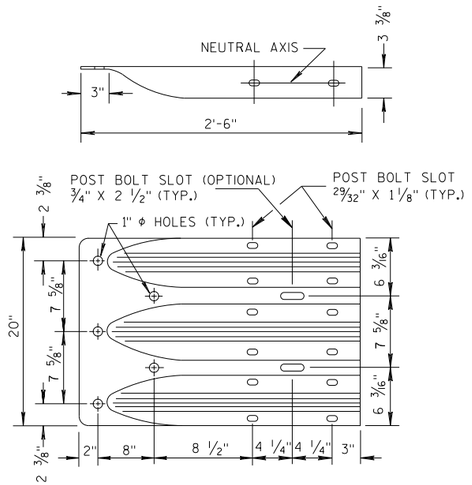
SECTION B-B

POST 6

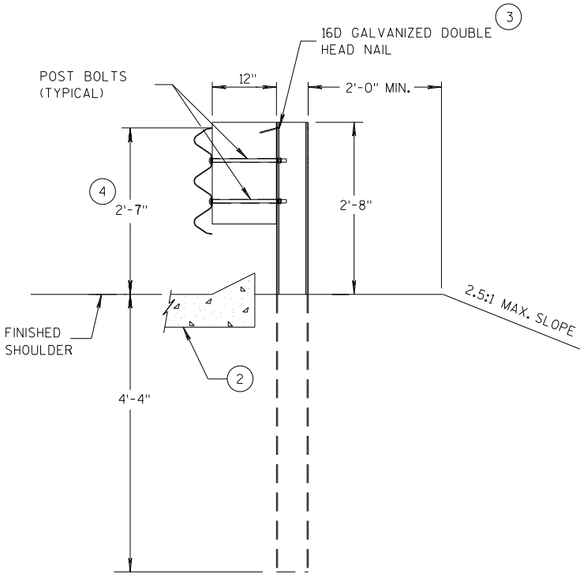


SECTION C-C

POSTS 7-11

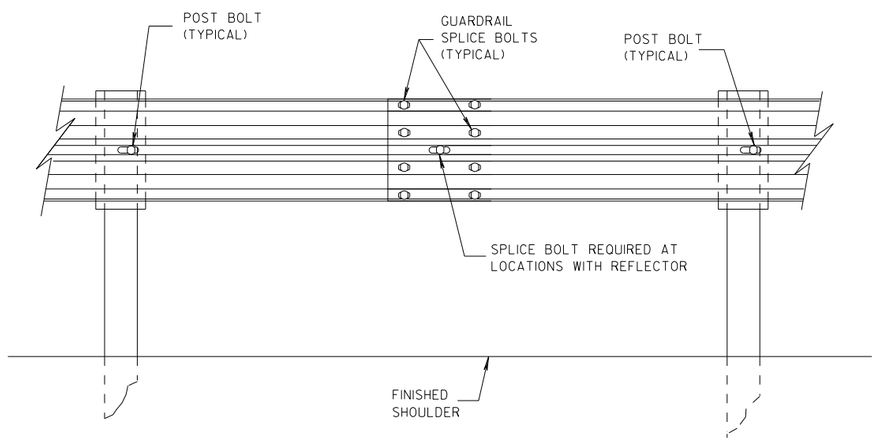


THRIE BEAM TERMINAL CONNECTOR



SECTION D-D

POSTS 12-17



SPLICE DETAIL

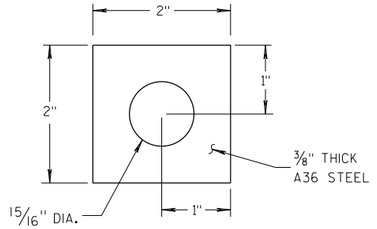
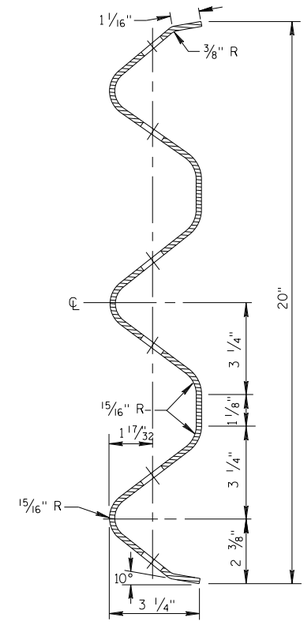


PLATE WASHER DETAIL



SECTION THRU THRIE BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

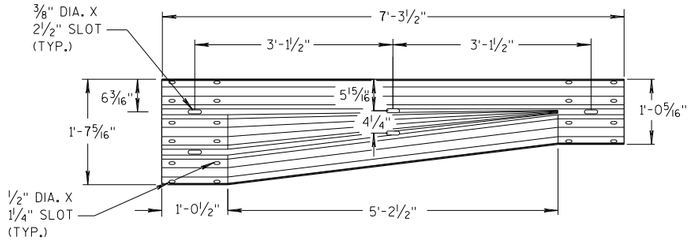
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOF 790

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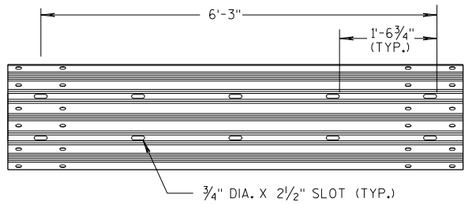
S.D.D. 14 B 45-5b

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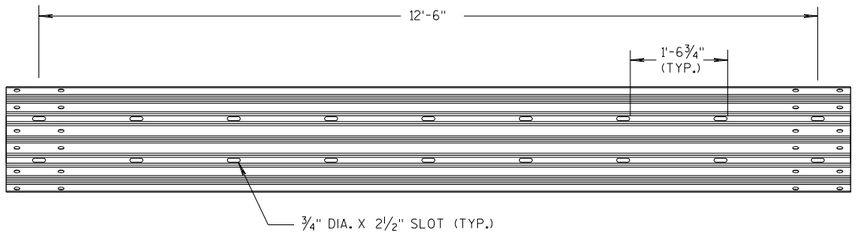
S.D.D. 14 B 45-5b



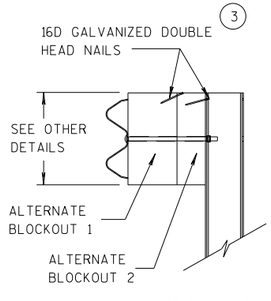
W-BEAM TO THRIE BEAM TRANSITION SECTION



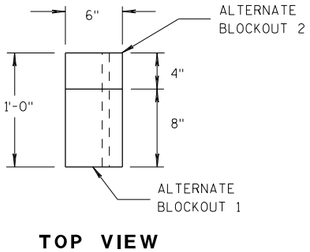
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

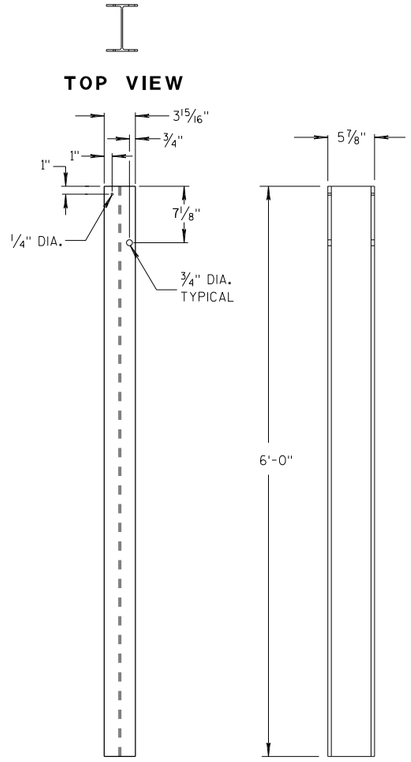


SIDE VIEW



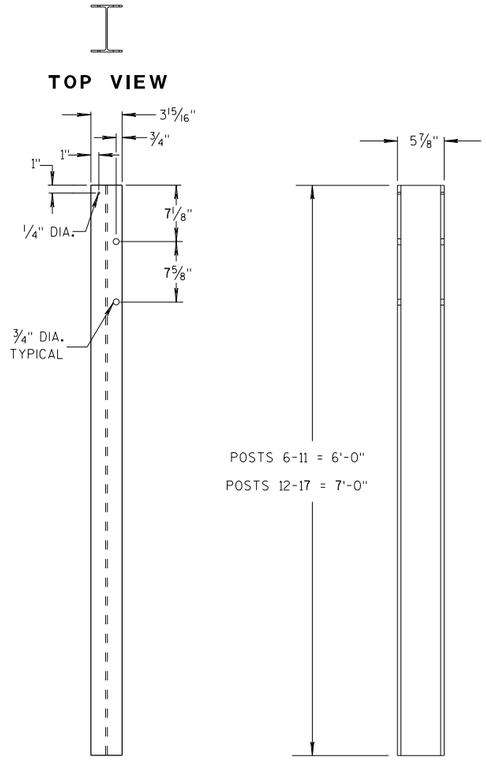
TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL



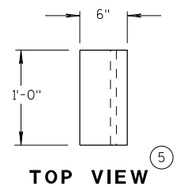
FRONT VIEW SIDE VIEW

STEEL POSTS 1-5 (13)

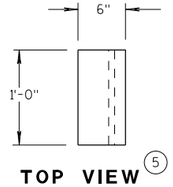


FRONT VIEW SIDE VIEW

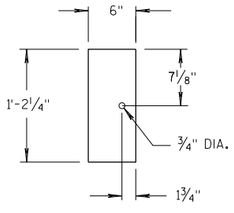
STEEL POSTS 6-17



TOP VIEW (5)

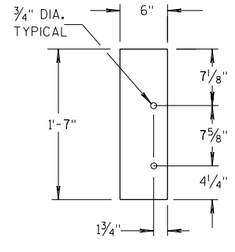


TOP VIEW (5)



FRONT VIEW

BLOCKOUT POSTS 1-5



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

(3) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

(5) WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

(13) STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

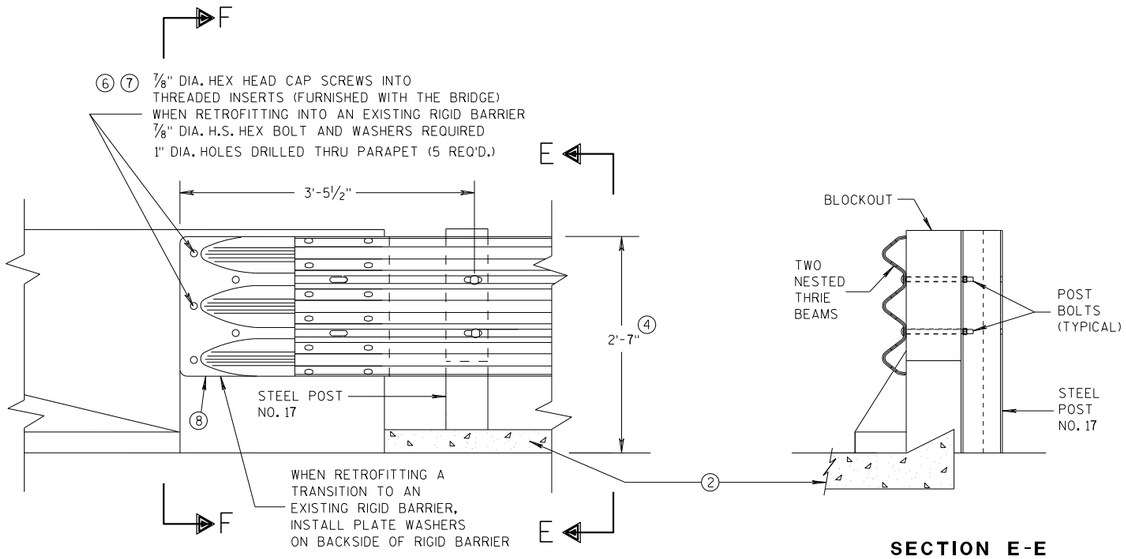
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 791

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S.D.D. 14 B 45-5c

6

S.D.D. 14 B 45-5c



FRONT VIEW

SECTION E-E

THRIE BEAM CONNECTION TO BRIDGE PARAPET WITH SQUARE ENDS

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

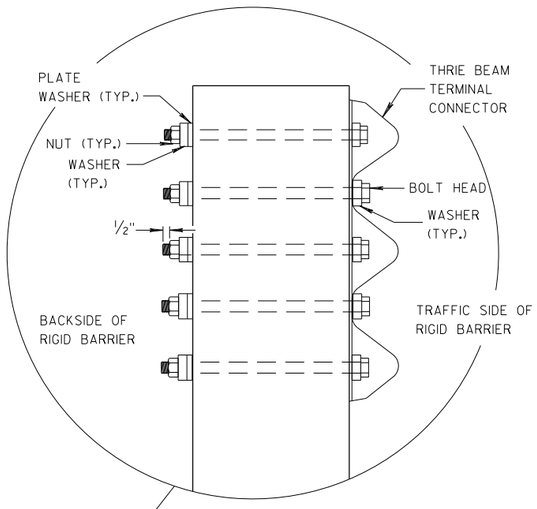
② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

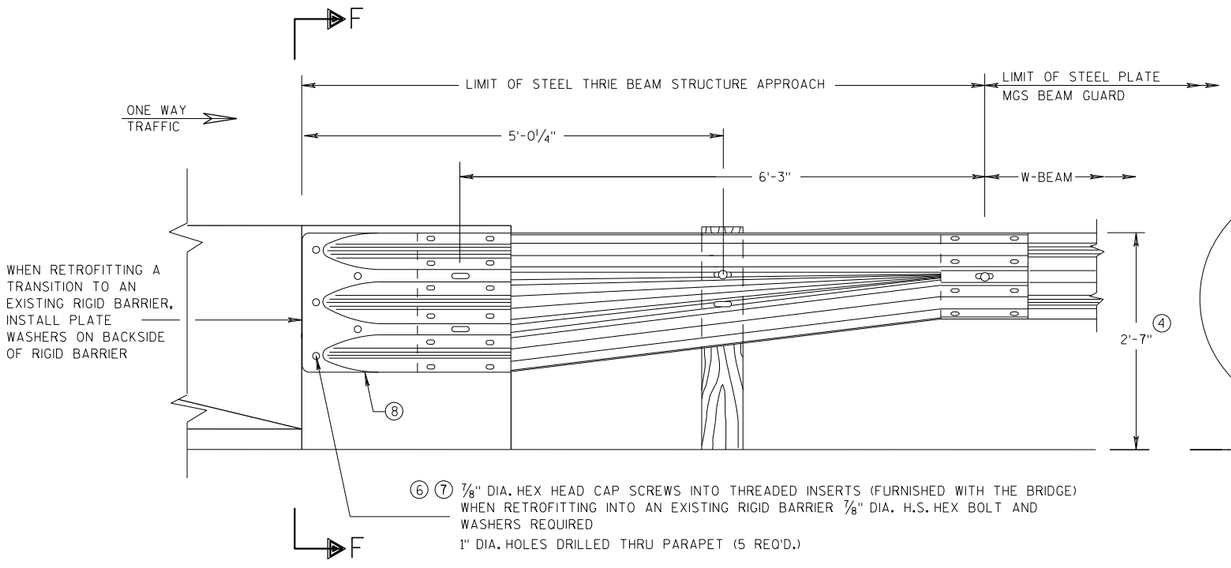
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

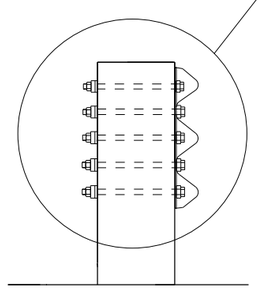
⑦ BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

⑧ THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 1/2".

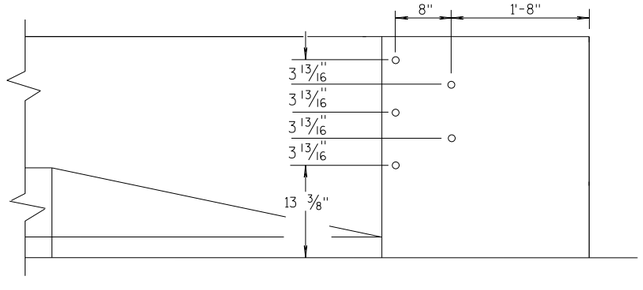




FRONT VIEW



SECTION F-F



DRILL HOLE LOCATION

W BEAM TRANSITION AND CONNECTION TO BRIDGE PARAPETS WITH SQUARE ENDS

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS D UNIT SUPERVIS NT
FHWA

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S.D.D. 14 B 45-5d

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S.D.D. 14 B 45-5d

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

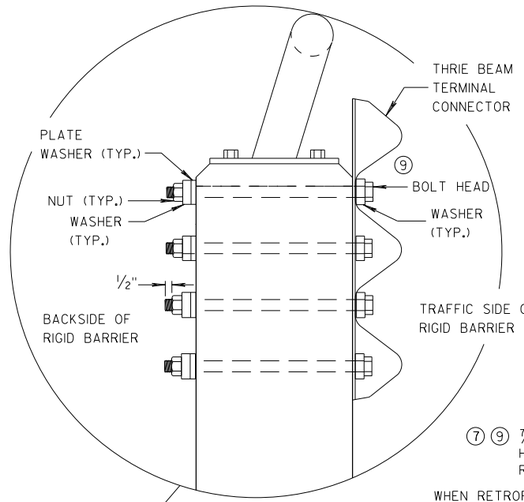
(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

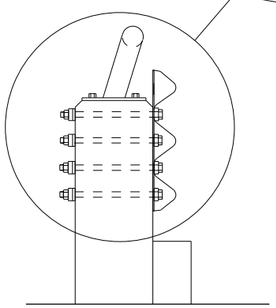
(6) DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

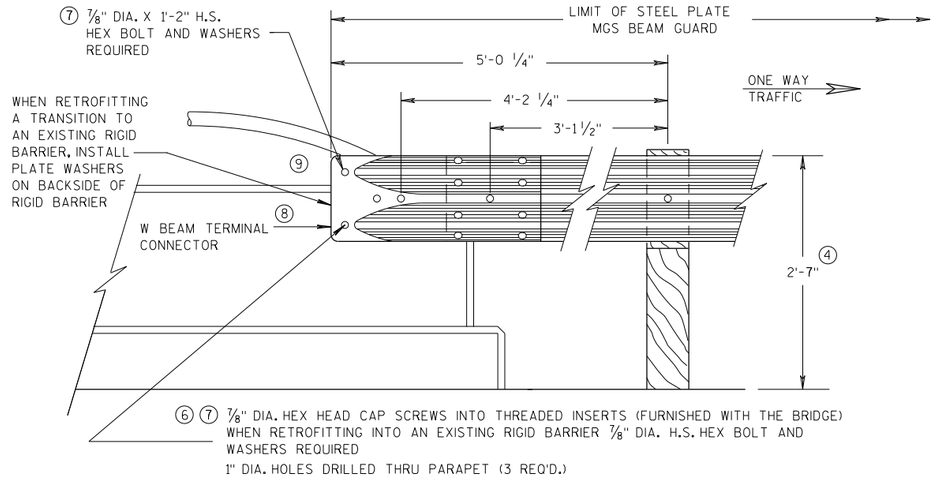
(8) THE RECESS FOR A W-BEAM CONNECTION, WHICH EXISTS ON SOME PARAPETS OF THIS TYPE, SHALL BE FILLED WITH A TREATED TIMBER BLOCKOUT. BLOCKOUT SIZE IS 1'-6" X 2'-0" X 3 ½".

(9) BOLT, NUT AND WASHERS NOT REQUIRED FOR THIS LOCATION WHEN RETROFITTING AN EXISTING PAPAPET AND THE HOLE IS EITHER ABOVE PARAPET OR WITHIN 4 INCHES OF THE EDGE OF PARAPET.





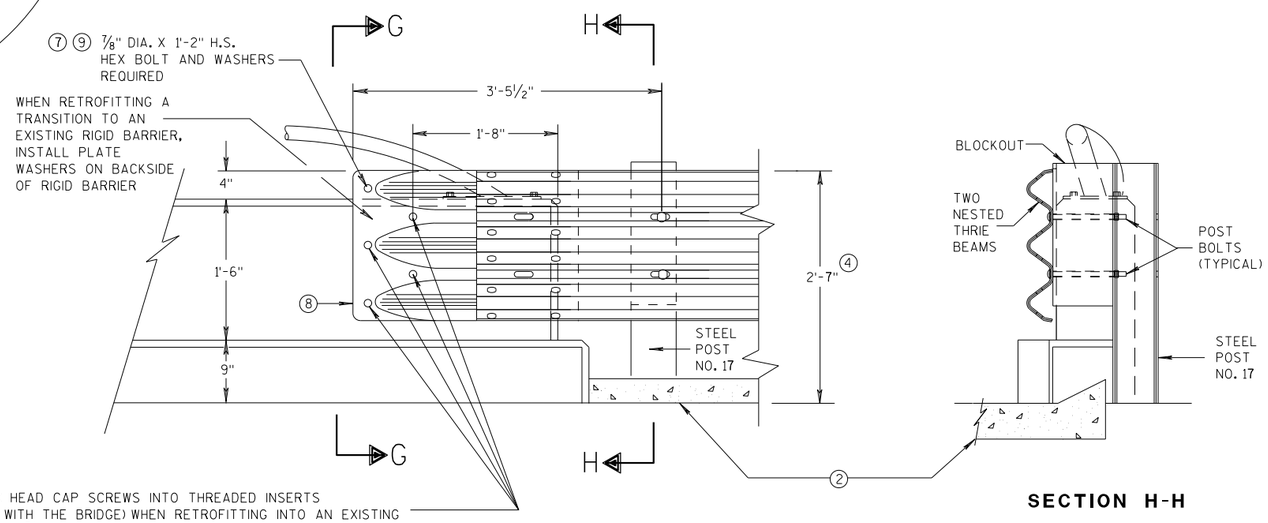
SECTION G-G



FRONT VIEW

W BEAM CONNECTION TO VERTICAL FACE PARAPET

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)



FRONT VIEW

SECTION H-H

THRIE BEAM CONNECTION TO VERTICAL FACED PARAPETS

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

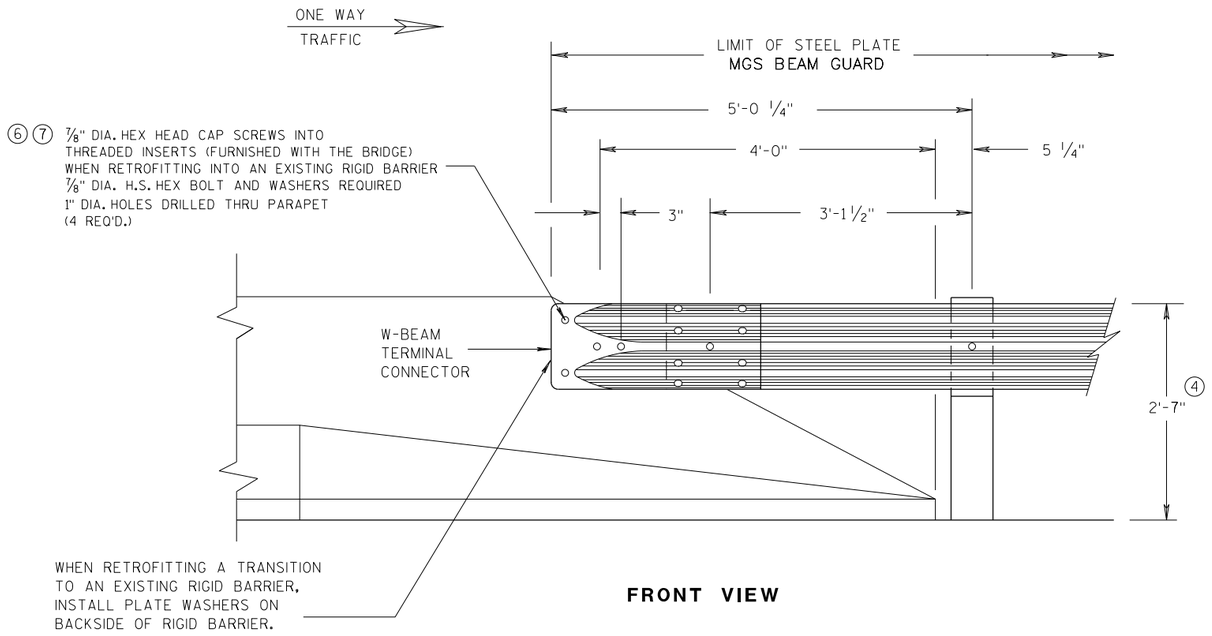
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07/2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D UNIT SUPERVIS — NT
FHWA

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S.D.D. 14 B 45-5e

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S.D.D. 14 B 45-5e



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

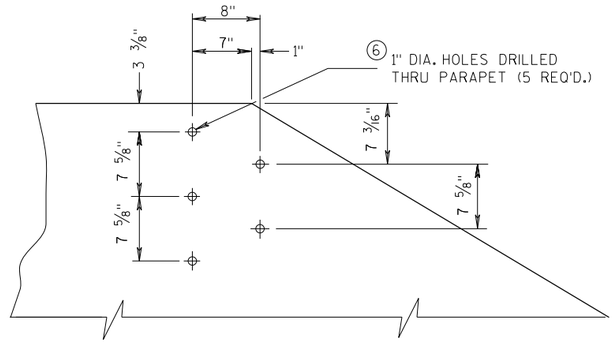
GENERAL NOTES

② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

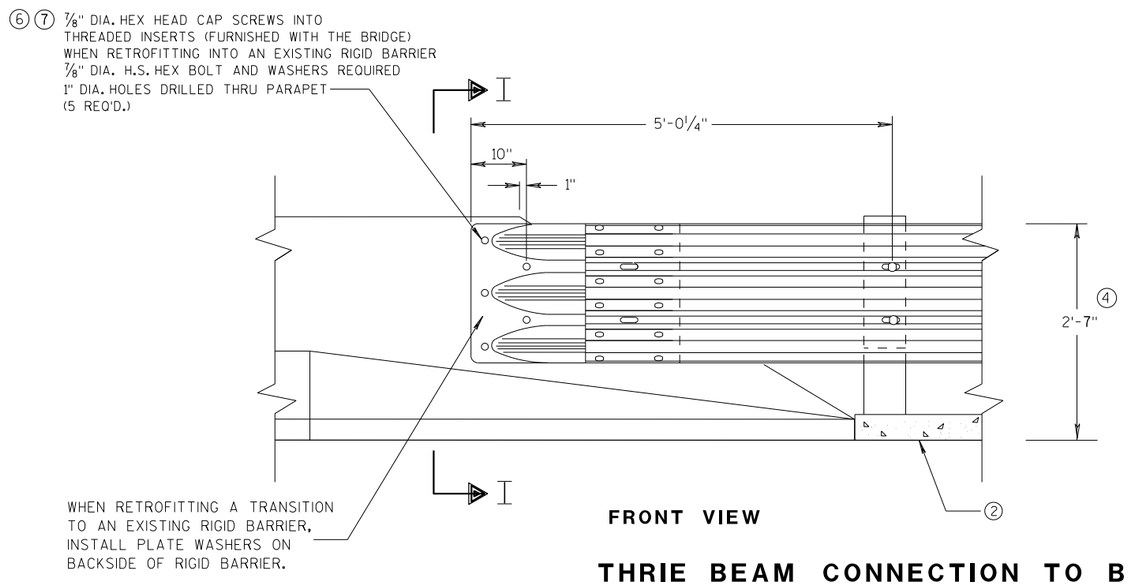
④ TOLERANCE FOR TOP OF BEAM IS ± 1".

⑥ DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

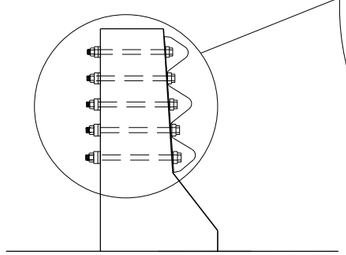
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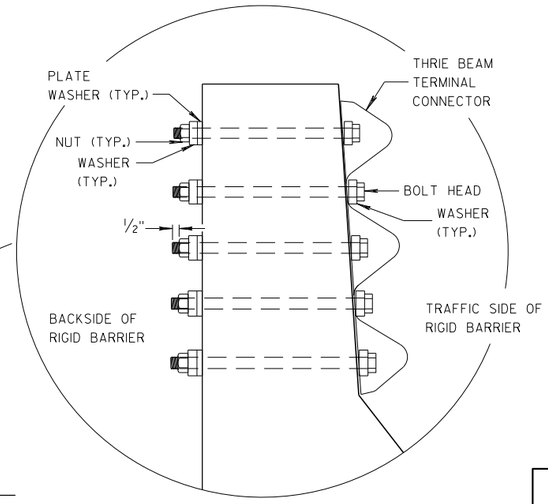
DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION I-I



THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

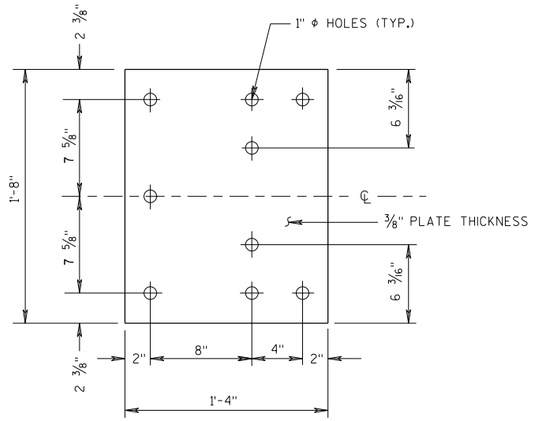
MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

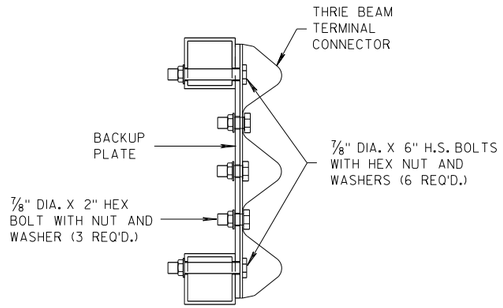
APPROVED
07/2018
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA

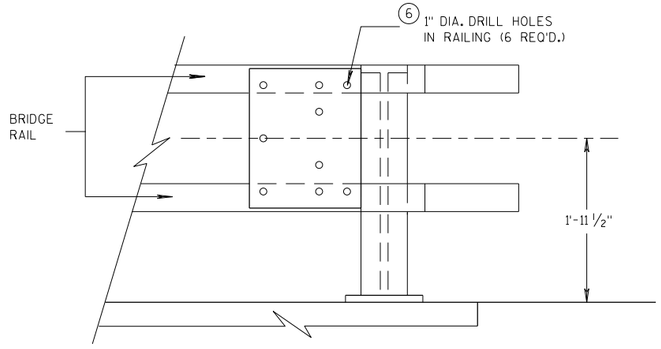
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S.D.D. 14 B 45-5f



BACK-UP PLATE DETAIL



SECTION J-J

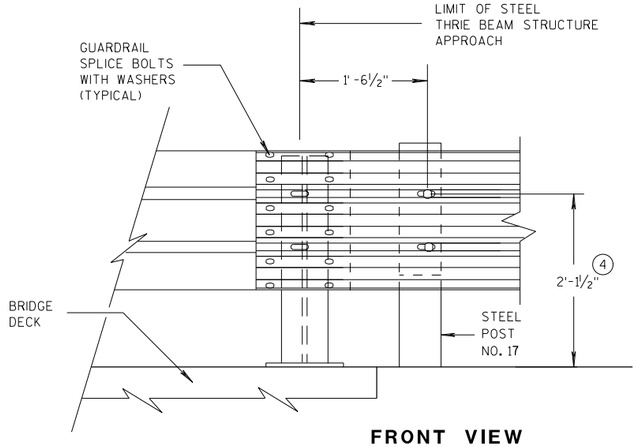


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING

GENERAL NOTES

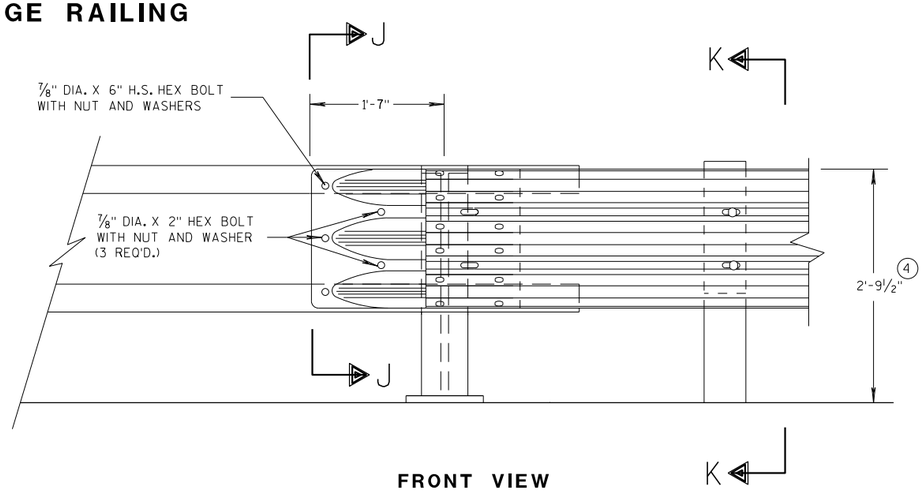
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⑥ DRILLING HOLES THROUGH THE PAPRPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

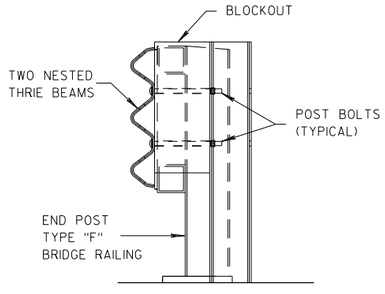


FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"



FRONT VIEW



SECTION K-K

THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED 07/2018 — DATE — FHWA

/S/ Rodney Taylor 795 — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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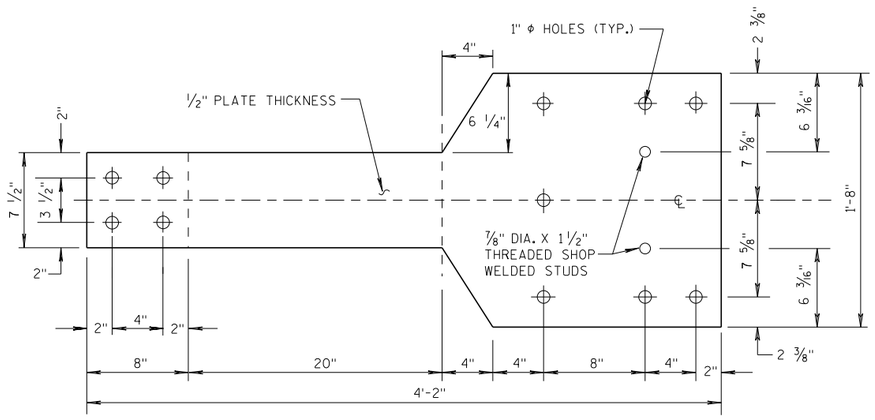
S.D.D. 14 B 45-5g

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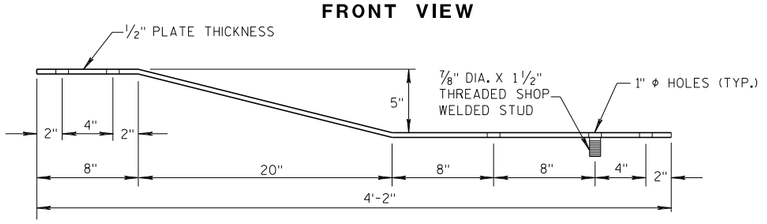
S.D.D. 14 B 45-5g

GENERAL NOTES

(4) TOLERANCE FOR TOP OF W-BEAM RAIL IS ± 1".

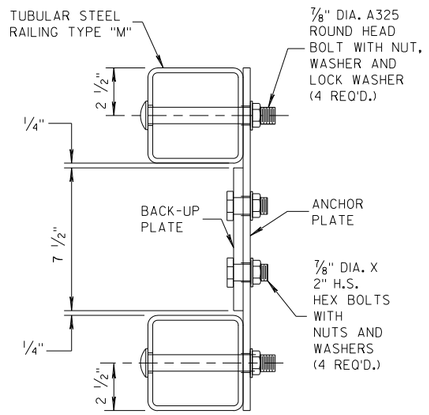


FRONT VIEW

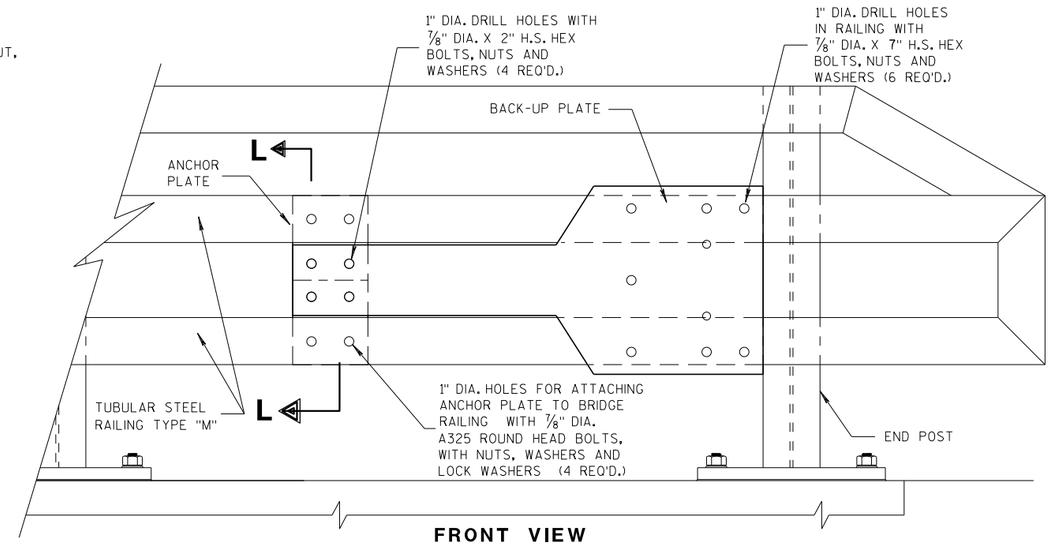


PLAN VIEW

BACK-UP PLATE DETAIL, TYPE "M"

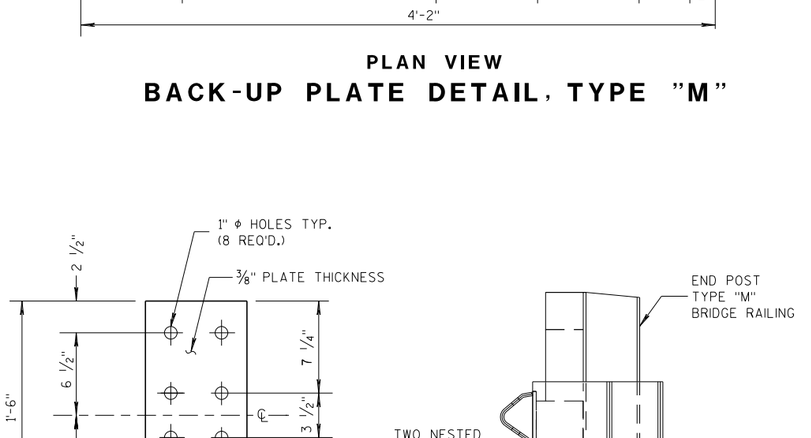


SECTION L-L



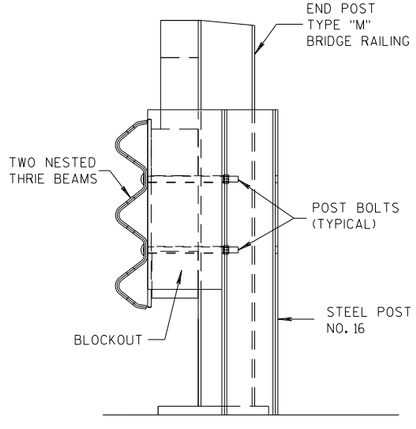
FRONT VIEW

ANCHOR AND BACK-UP PLATE MOUNTING TO BRIDGE RAILING, TYPE "M"

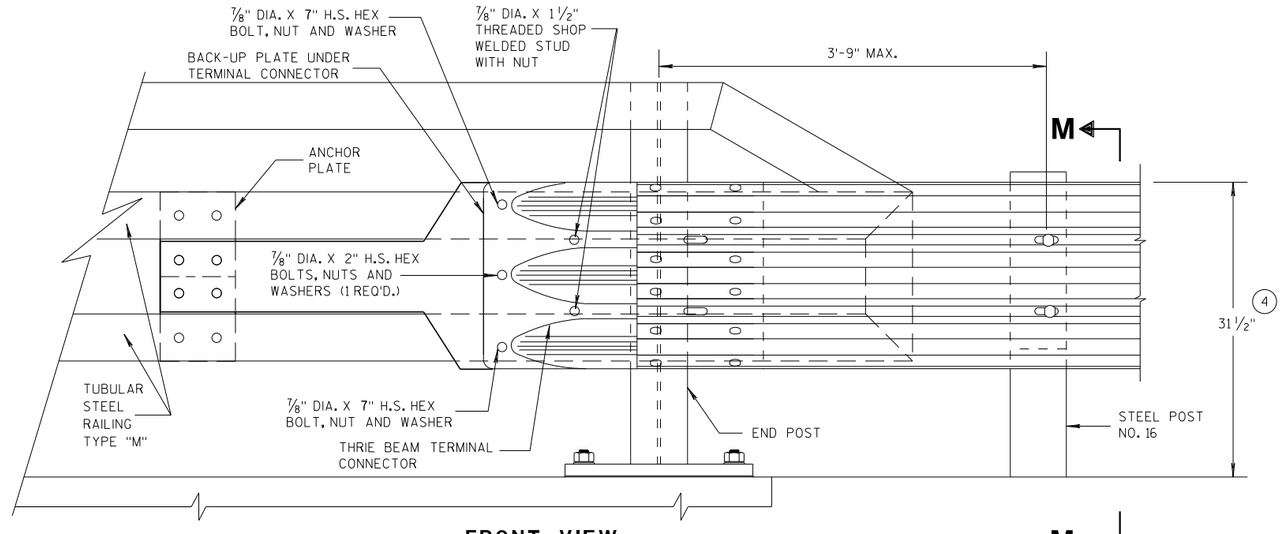


FRONT VIEW

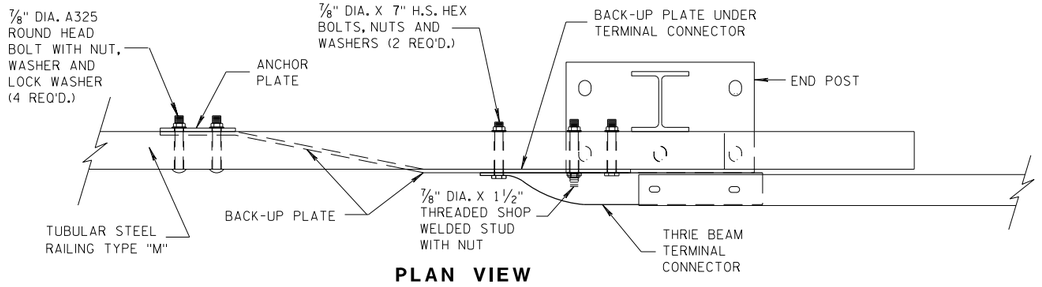
ANCHOR PLATE DETAIL, TYPE "M"



SECTION M-M



FRONT VIEW



PLAN VIEW

THRIE BEAM CONNECTION TO TUBULAR RAILING, TYPE "M"

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
07/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

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S.D.D. 14 B 45-5h

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S.D.D. 14 B 45-5h

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

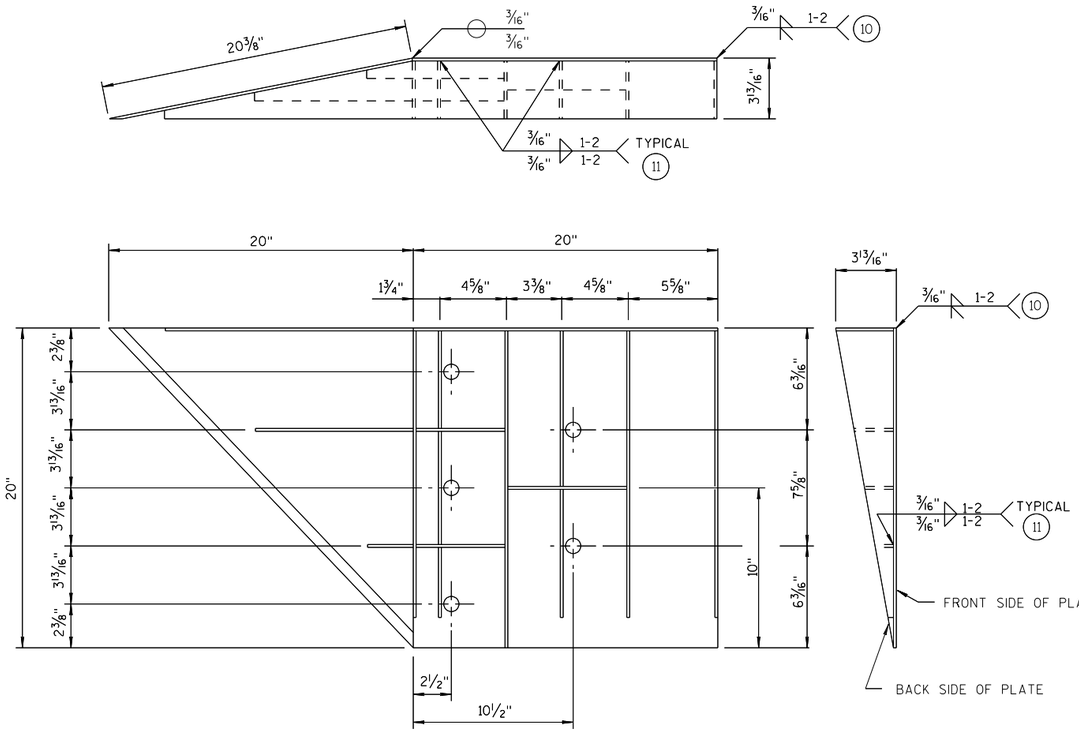
FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

FOR OPPOSITE SIDE INSTALLATION MIRROR DRAWINGS.

(10) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(11) STIFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".



WELDING INSTRUCTION

(VIEWED FROM BACK SIDE OF PLATE)

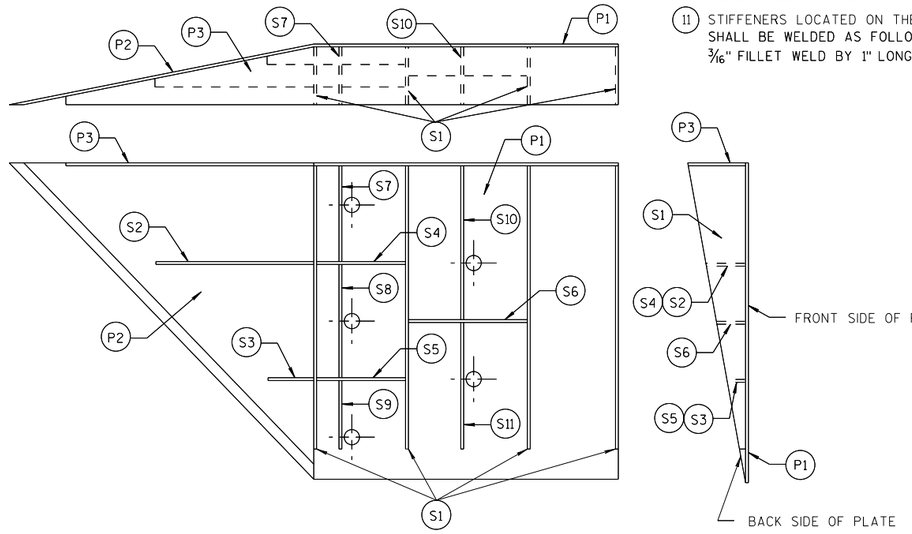


PLATE AND STIFFENER IDENTIFICATION

(VIEWED FROM BACK SIDE OF PLATE)

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)

PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

SINGLE SLOPE CONNECTION PLATE

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

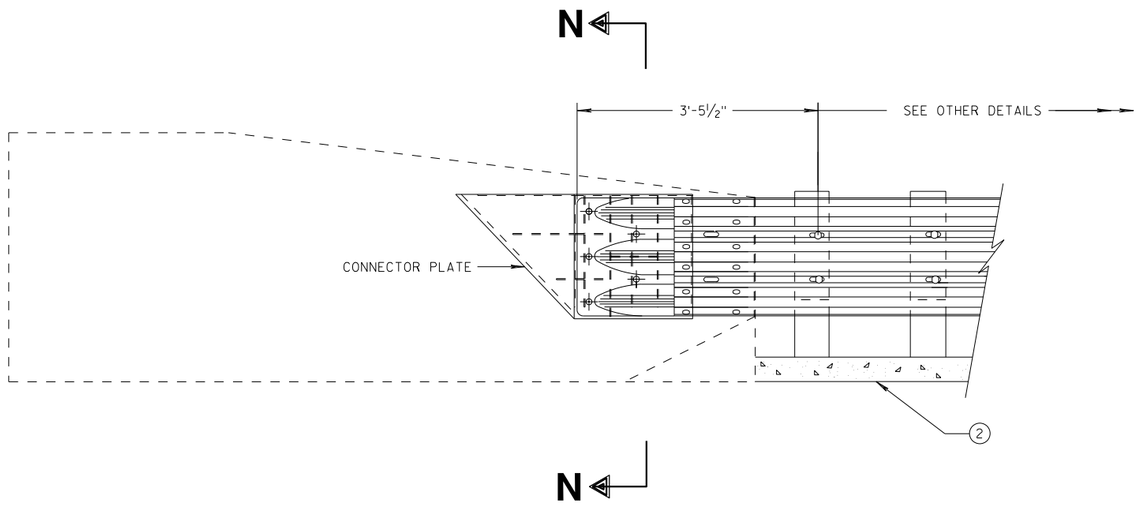
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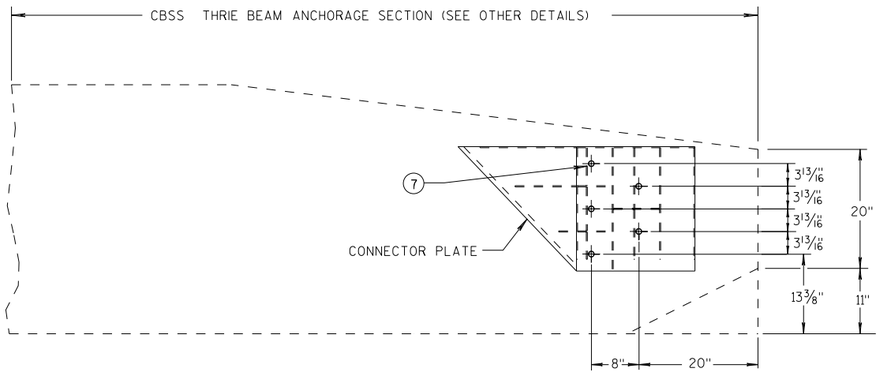
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

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S.D.D. 14 B 45-5i



THRIE BEAM CONNECTION TO SINGLE SLOPE BARRIER



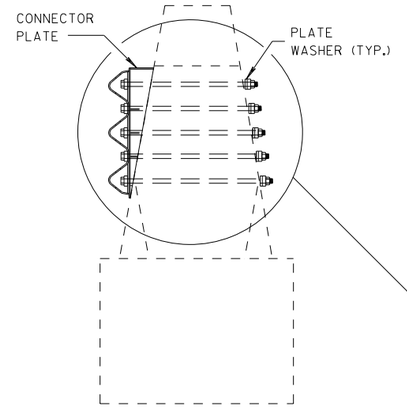
SINGLE SLOPE CONNECTION PLATE PLACEMENT

GENERAL NOTES

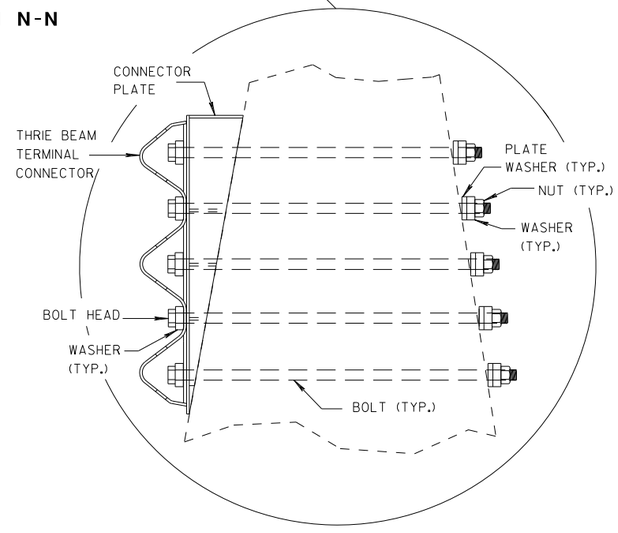
CONNECTOR PLATE, DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

(2) OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.

(7) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/32" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.



SECTION N-N



MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
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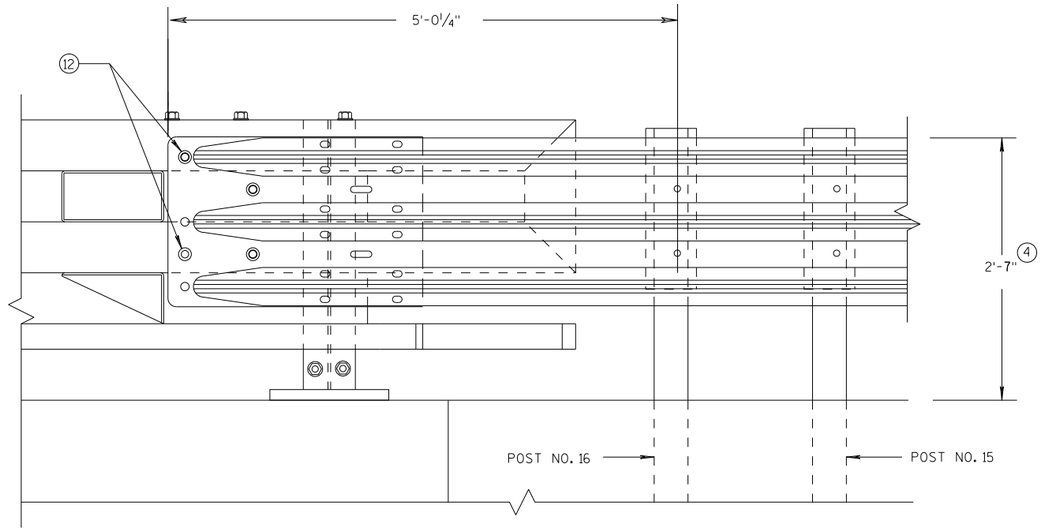
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S.D.D. 14 B 45-5j

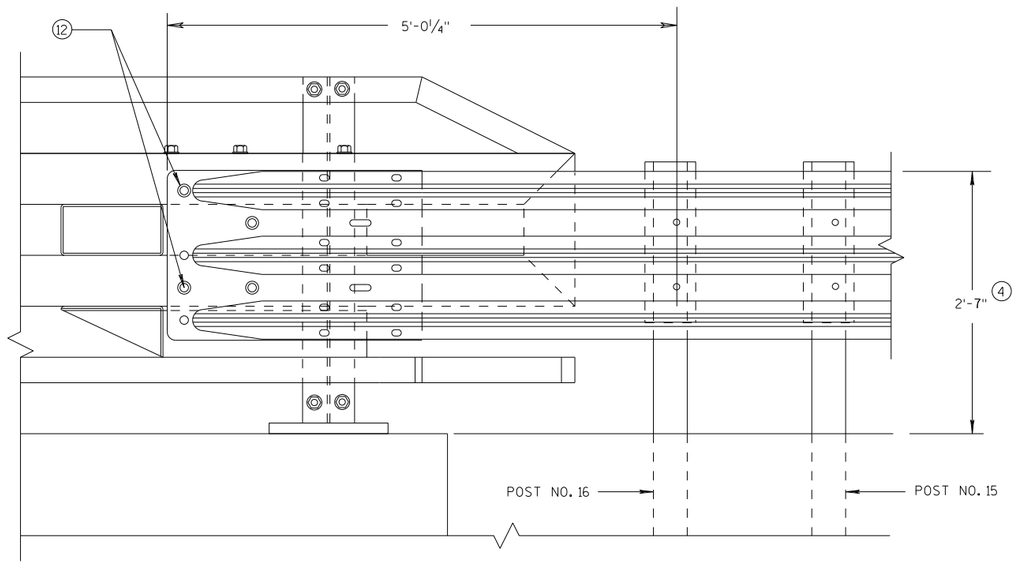
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S.D.D. 14 B 45-5j



ELEVATION OF DETAIL AT NY3 END POST

THRIE BEAM RAIL ATTACHMENT



ELEVATION OF DETAIL AT NY4 END POST

THRIE BEAM RAIL ATTACHMENT

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
FHWA

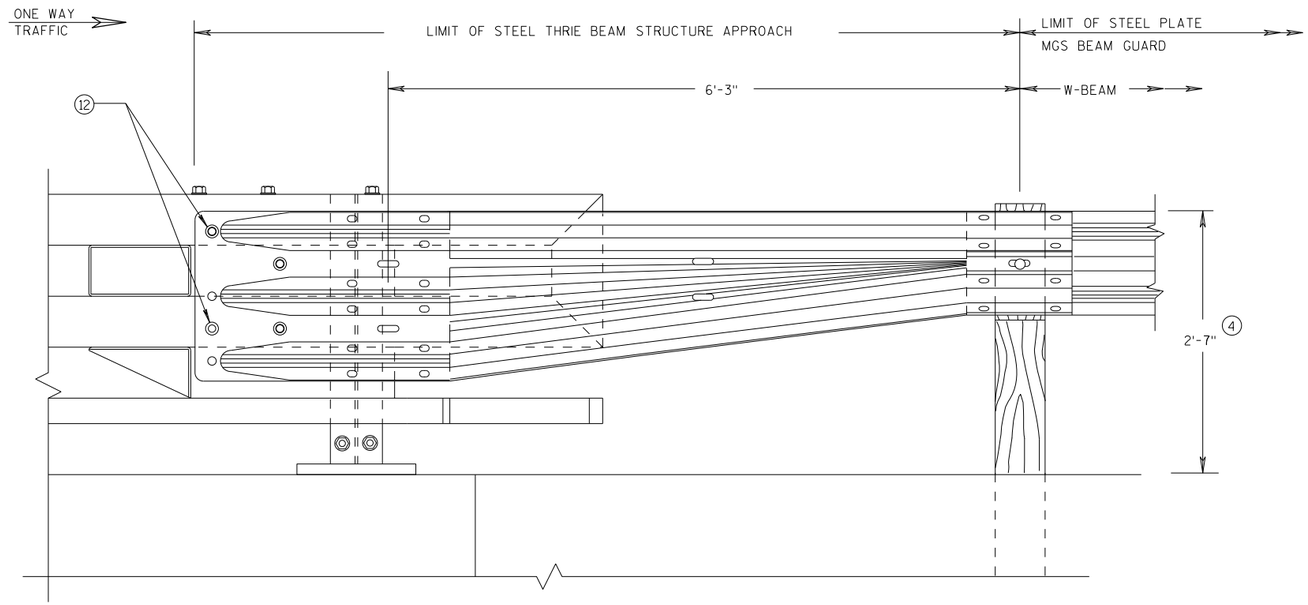
/S/ Rodney Taylor
ROADWAY STANDARDS D 799 NT
UNIT SUPERVIS

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S.D.D. 14 B 45-5k

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S.D.D. 14 B 45-5k



FRONT VIEW

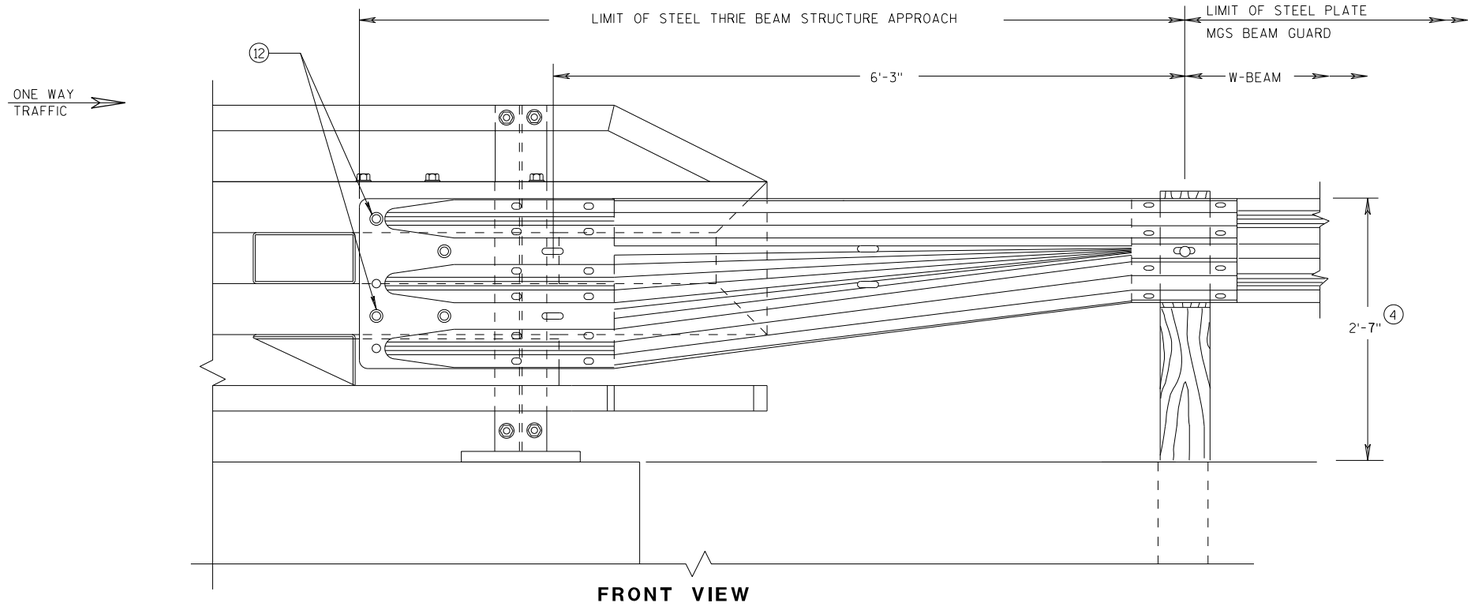
W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY3"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

GENERAL NOTES

(4) TOLERANCE FOR TOP OF BEAM IS ± 1".

(12) BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM CONNECTOR PLATE. ON BACKSIDE OF PARAPET ONE ROUND WASHER, AND NUT REQUIRED. BOLT THREAD IS TO EXTEND 1/2-INCH BEYOND NUT.



FRONT VIEW

W BEAM TRANSITION AND CONNECTION TO BRIDGE RAILING TYPE "NY4"

(USE ONLY ON THE TRAFFIC EXIT END OF ONE WAY BRIDGES)

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

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ROADWAY STANDARDS D 800
UNIT SUPERVIS

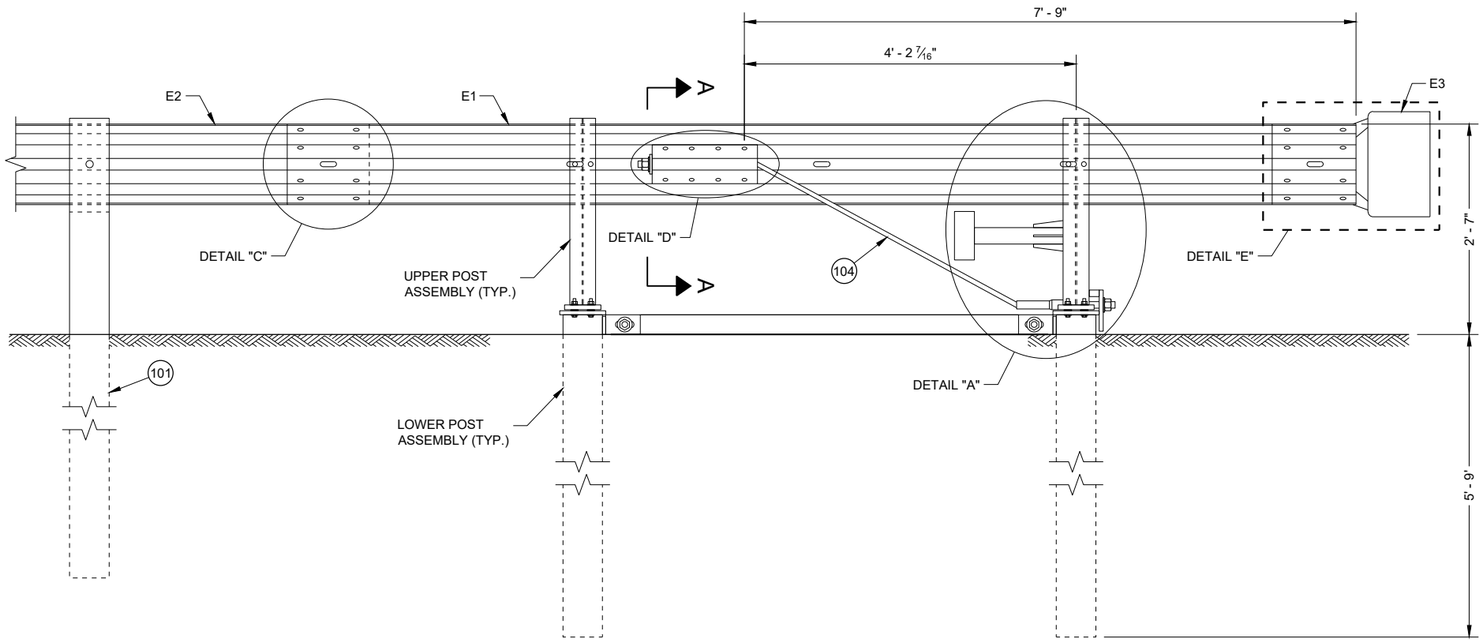
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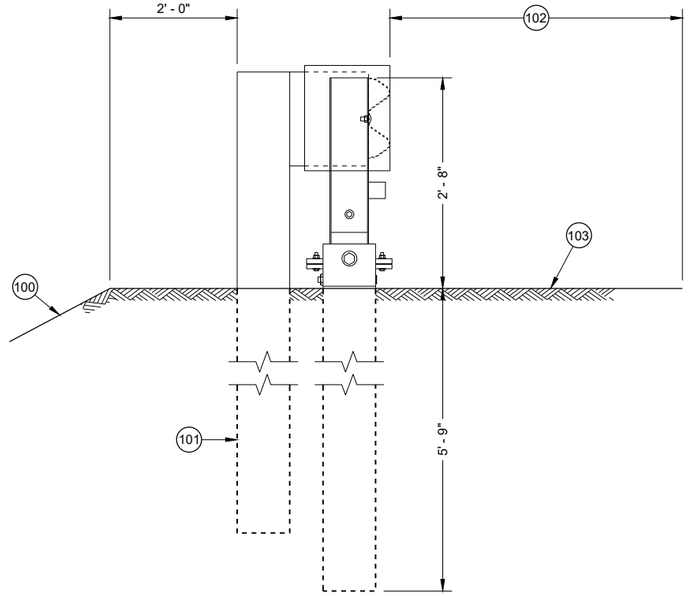
S.D.D. 14 B 45-5L

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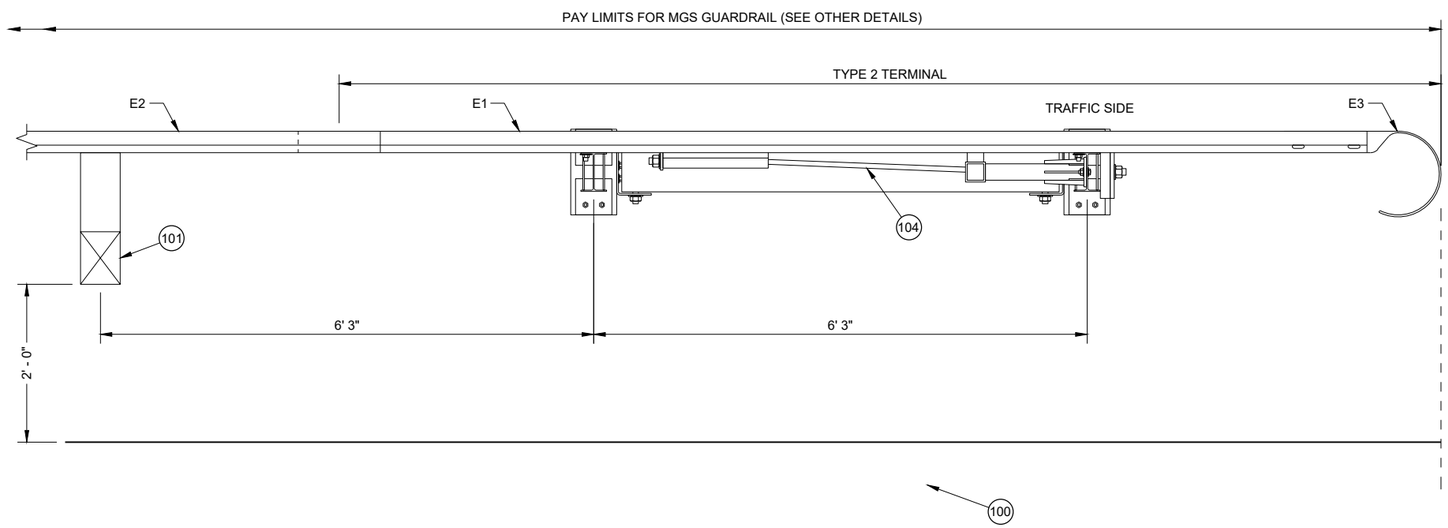
S.D.D. 14 B 45-5L



BACK VIEW
TYPE 2 TERMINAL



SIDE VIEW
TYPE 2 TERMINAL



TOP VIEW
TYPE 2 TERMINAL

GENERAL NOTES

(100) MAXIMUM SLOPE IS 2.5:1.

(101) SEE SDD 14B42 FOR MORE INFORMATION.

(102) SHOULDER

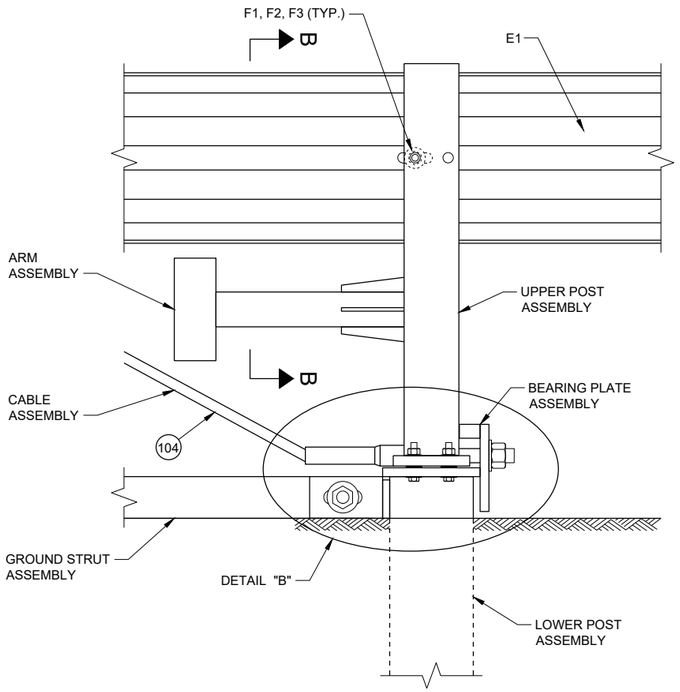
(103) MAXIMUM SLOPE IS 10:1.

(104) AFTER ASSEMBLY, CABLE IS TO BE TIGHTENED WITHOUT TWISTING THE CABLE.

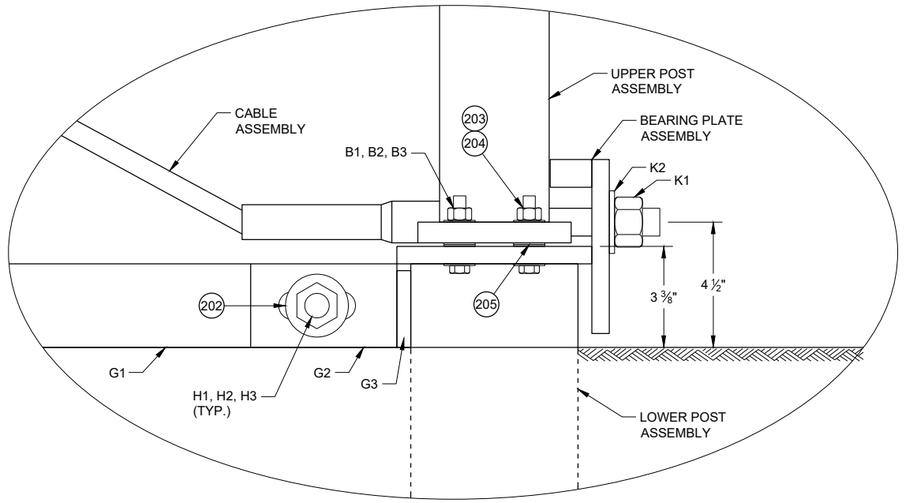
MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

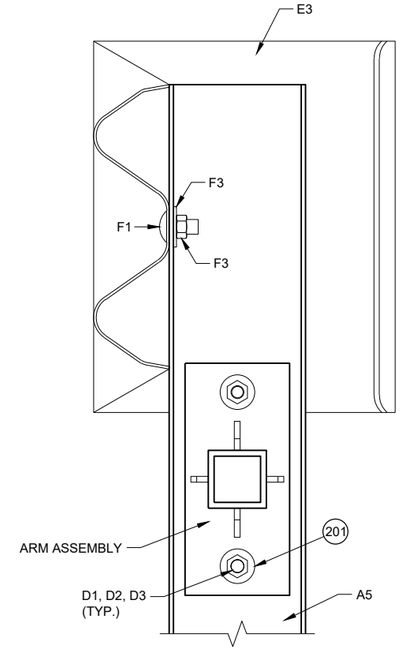
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SDD 14B47 - 05a



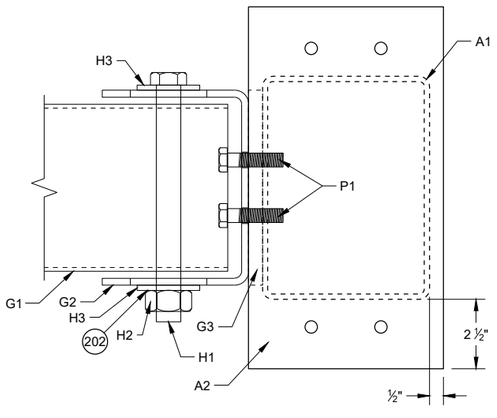
DETAIL "A"



DETAIL "B"

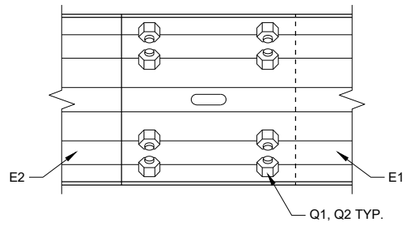


SECTION B - B



TOP VIEW

GROUND STRUT CONNECTION DETAIL



DETAIL "C"

GENERAL NOTES

200 INSTALL ONE WASHER UNDER BOLT HEAD AND RAIL AND ON WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.

201 INSTALL ONE WASHER UNDER BOLT HEAD AND UPPER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND ARM PLATE.

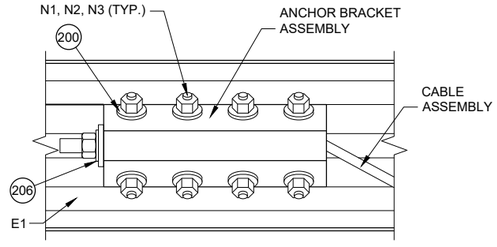
202 INSTALL ONE WASHER UNDER BOLT HEAD AND GROUND STRUT CONNECTOR AND ONE WASHER BETWEEN NUT AND GROUND STRUT CONNECTOR.

203 INSTALL ONE WASHER UNDER BOLT HEAD AND LOWER POST ASSEMBLY AND ONE WASHER BETWEEN NUT AND UPPER POST ASSEMBLY.

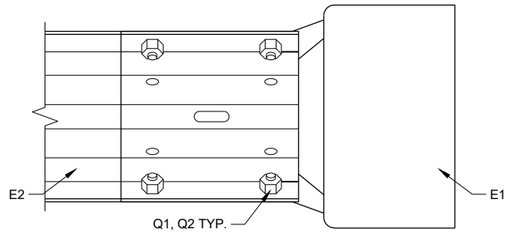
204 TORQUE VALUE IS BETWEEN 60 - 75 FT-LB.

205 TWO WASHERS BETWEEN UPPER AND LOWER POST ASSEMBLY.

206 INSTALL ONE WASHER BETWEEN NUT AND ANCHOR BRACKET ASSEMBLY.



DETAIL "D"



DETAIL "E"

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 802

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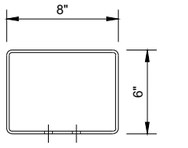
SDD 14B47 - 05b

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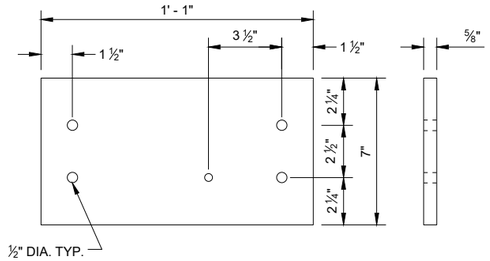
SDD 14B47 - 05b

GENERAL NOTES

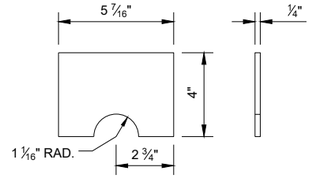
(300) TAP FOR 1/2" AFTER GALVANIZATION



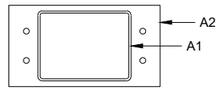
TOP VIEW



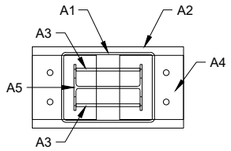
LOWER PLATE (A2)

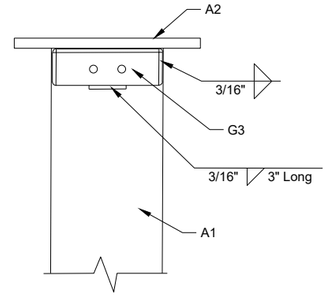


POST GUSSET (A3)

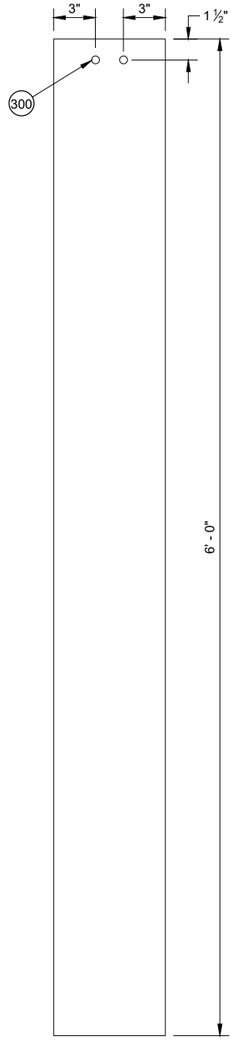


PLAN VIEW



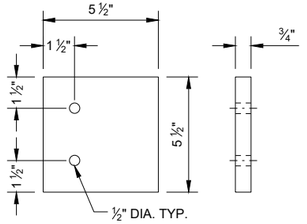


WELDING DETAIL
G3 AND A1

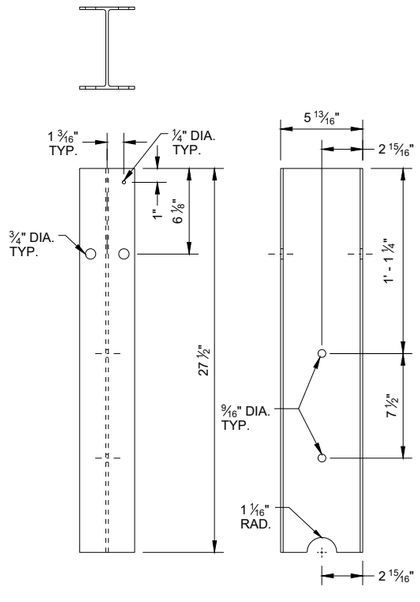


SIDE VIEW

FOUNDATION TUBE (A1)

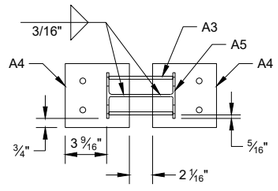


UPPER PLATE (A4)

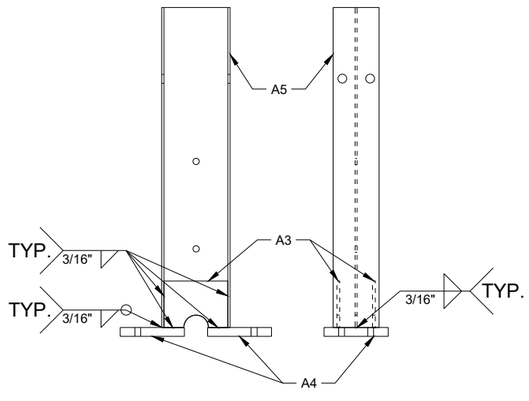


FRONT VIEW SIDE VIEW

TYPE 2 POST (A5)

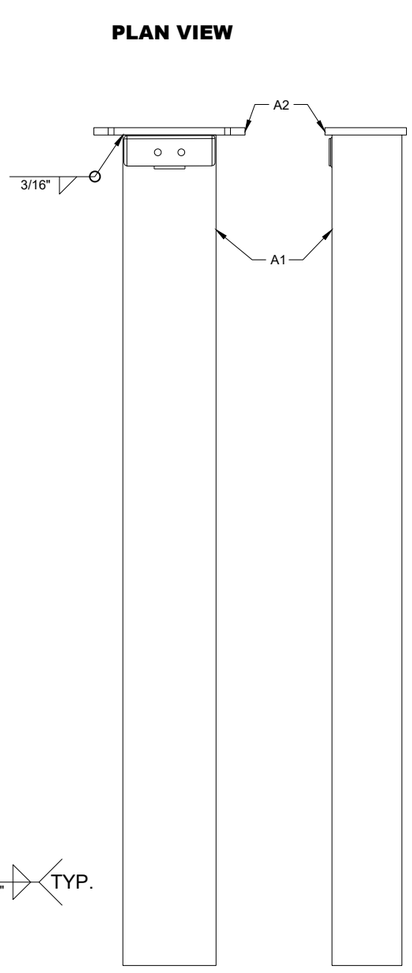


PLAN VIEW



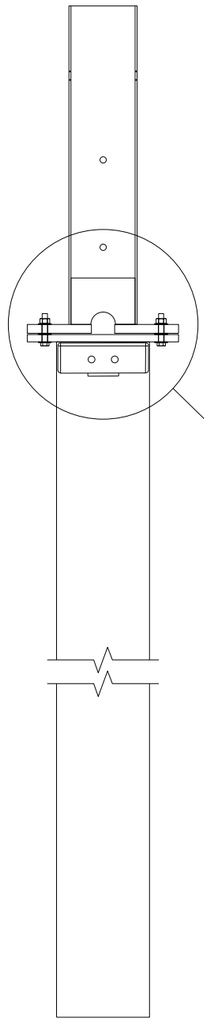
SIDE VIEW FRONT VIEW

UPPER POST ASSEMBLY

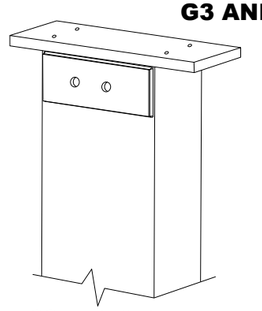


FRONT VIEW SIDE VIEW

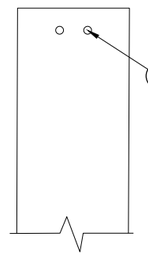
LOWER POST ASSEMBLY



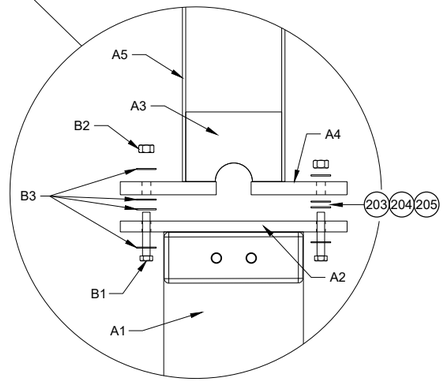
ASSEMBLED POST



ASSEMBLY DETAIL
ISOMETRIC



A1



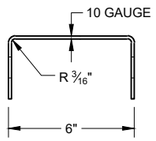
POST CONNECTION DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

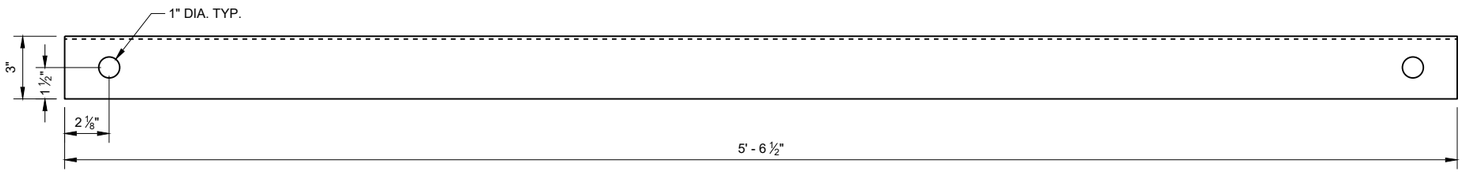
STATE OF WISCONSIN
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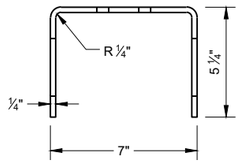


SIDE VIEW

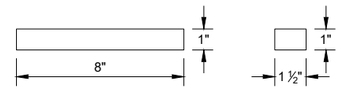


FRONT VIEW

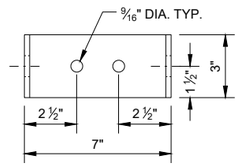
GROUND STRUT CHANNEL (G1)



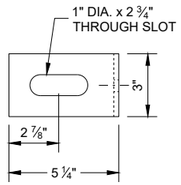
TOP VIEW



BEARING PLATE FLANGE (L2)

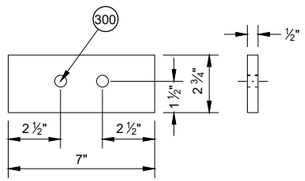


FRONT VIEW

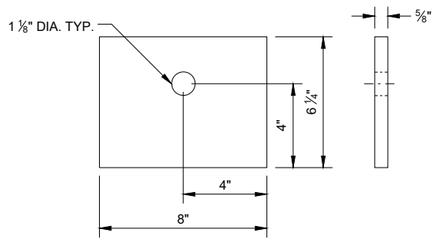


SIDE VIEW

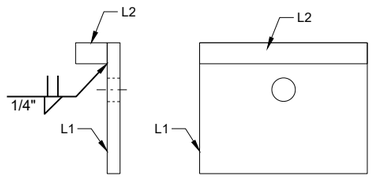
GROUND STRUT CONNECTOR (G2)



GROUND STRUT PLATE (G3)

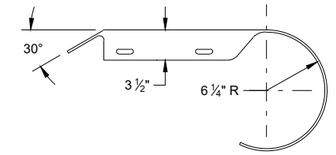


BEARING PLATE (L1)

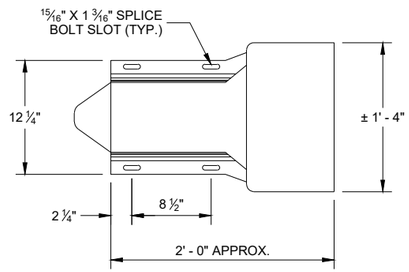


SIDE VIEW FRONT VIEW

BEARING PLATE ASSEMBLY

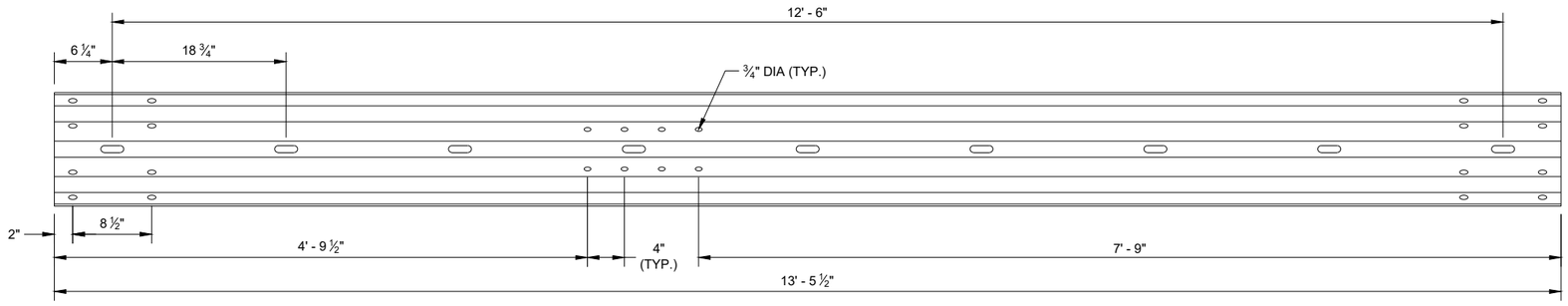


PLAN VIEW

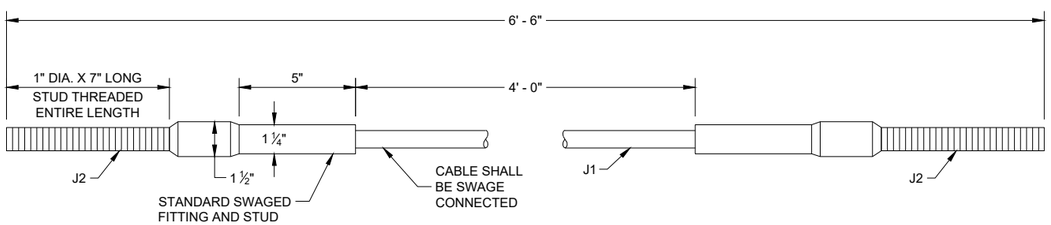


ELEVATION VIEW

ROUNDED BUFFER END (E3)



TYPE 2 GUARDRAIL (E1)



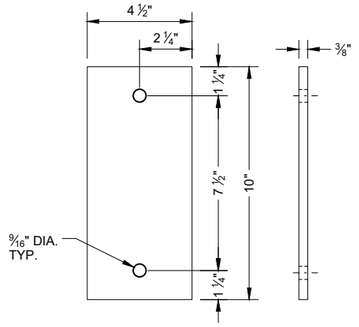
CABLE ASSEMBLY

MIDWEST GUARDRAIL SYSTEM (MGS)
TYPE 2 TERMINAL

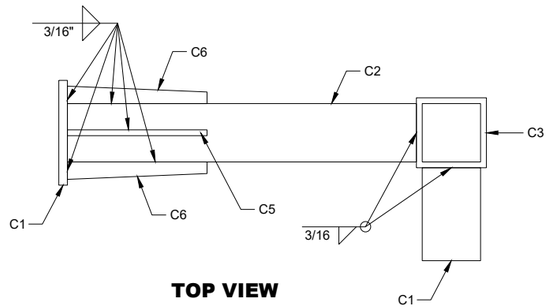
STATE OF WISCONSIN
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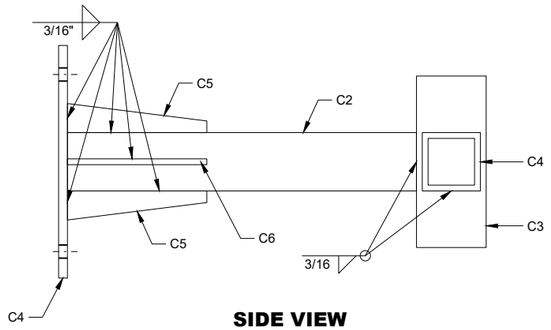
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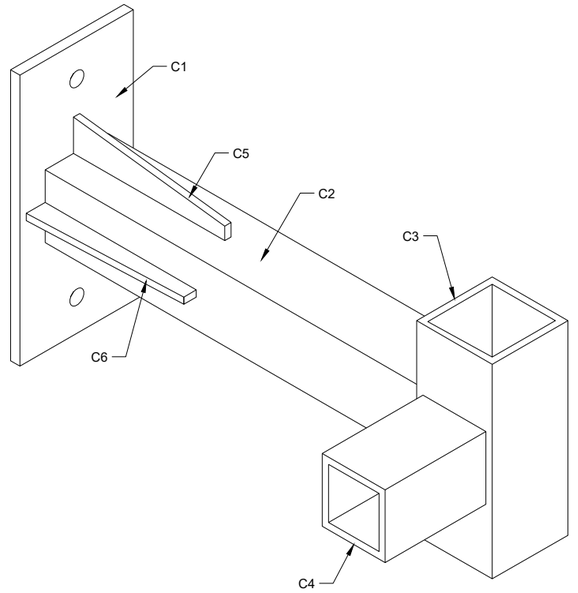
ARM PLATE (C1)



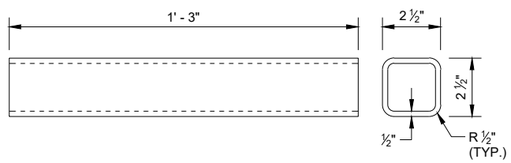
TOP VIEW
ARM ASSEMBLY



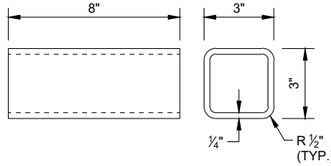
SIDE VIEW
ARM ASSEMBLY



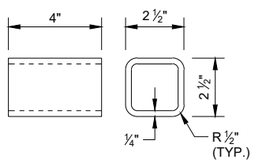
ISOMETRIC VIEW
ARM ASSEMBLY



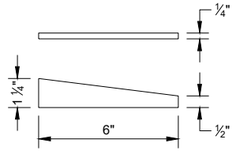
ARM TUBE 1 (C2)



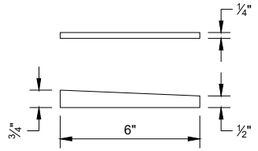
ARM TUBE 2 (C3)



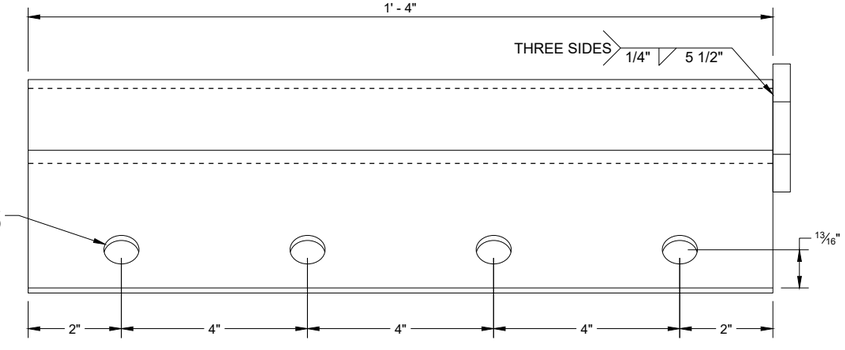
ARM TUBE 3 (C4)

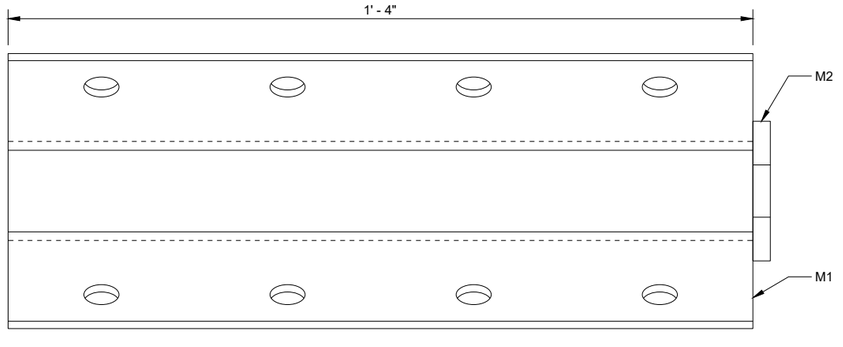


ARM GUSSET PLATE 1 (C5)

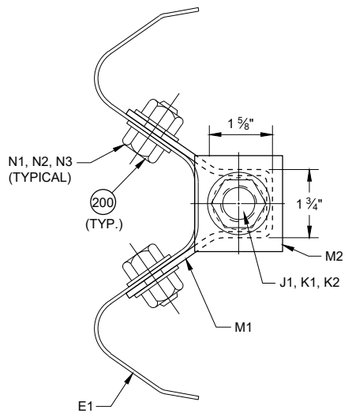


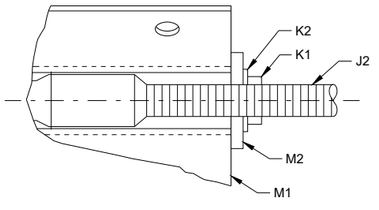
ARM GUSSET PLATE 2 (C6)



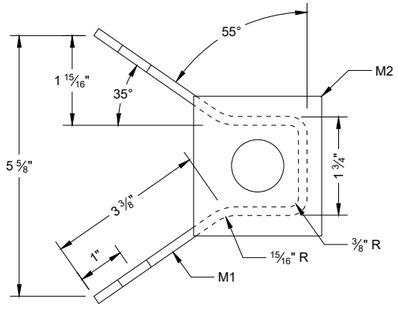


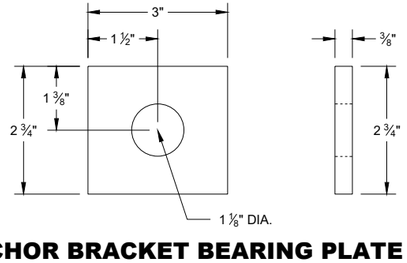
ANCHOR BRACKET (M1, M2)





SECTION A - A





ANCHOR BRACKET BEARING PLATE (M2)

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD14B47 - 05e

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
A1	TYPE 2 FOUNDATION TUBE	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
A2	LOWER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
A3	POST GUSSET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
A4	UPPER PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/4" THICKNESS
A5	TYPE 2 POST	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI, w6x9 or w6x8.5	
B1	BREAKAWAY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM F3125 GRADE A325 TYPE 1 HEAVY HEX HEAD OR SAE J429 GRADE 5 HEAVY HEX HEAD / ASTM A449 TYPE 1 HEAVY HEX HEAD. BOLTS MAY BE FULLY THREADED . PROVIDE ENOUGH THREADING FOR PROPER TIGHTENING OF BOLT.	7/16" DIA.
B2	BREAKAWAY BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/16" DIA.
B3	BREAKAWAY BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
C1	ARM ASSEMBLY PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
C2	ARM ASSEMBLY TUBE 1	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 8" x 6" x 3/16"
C3	ARM ASSEMBLY TUBE 2	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 3" x 3" x 1/4"
C4	ARM ASSEMBLY TUBE 3	AASHTO M111 / ASTM A123 ASTM A500 GRADE B OR ASTM A-501	TS 2 1/2" x 2 1/2" X 1/4"
C5	ARM ASSEMBLY GUSSET PLATE 1	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
C6	ARM ASSEMBLY GUSSET PLATE 2	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
D1	ARM ASSEMBLY BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	1/2" DIA.
D2	ARM ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	1/2" DIA.
D3	ARM ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
E1	TYPE 2 GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E2	BEAM GUARD RAIL	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
E3	BEAM GUARD ROUNDED BUFFER END	AASHTO M180 CLASS A TYPE 2 12 GAUGE APPROVED PRODUCER	
F1	POST BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
F2	POST BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
F3	POST BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291/ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
G1	GROUND STRUT CHANNEL	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" x 11 3/4" x 10 GAUGE
G2	GROUND STRUT CONNECTOR	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/4" THICKNESS
G3	GROUND STRUT PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1/2" THICKNESS

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MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 806

BILL OF MATERIALS - TYPE 2 TERMINAL (MGS)

PART	DESCRIPTION	MATERIALS SPECIFICATIONS	NOTES
H1	GROUND STRUT BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	7/8" DIA.
H2	GROUND STRUT BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	7/8" DIA.
H3	GROUND STRUT BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC HEAVY HEX HEAD 5/8" ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
J1	BCT CABLE	AASHTO M30 / ASTM A741 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS), 6 x 19 INDEPENDENT WIRE CORE (IWRC) IMPROVED PLOW STEEL (IPS) TYPE II OR IIC, CLASS C ZINC COATED MIN. BREAKING STRENGTH OF 42.7 KIPS	**3/4" DIA.**
J2	BCT CABLE	UNC 1" ASTM A576 GRADE 1035 SWAGE FITTINGS ARE TO BE FACTORY SWEDGED. MIN BREAKING STRENGTH OF 42.7 KIPS ASME B30.26 "FORGED, CAST, OR DIE STAMPED WITH THE FOLLOWING IN TO CONNECTION: NAME OF MANUFACTURE OR TRADEMARK OF CONNECTION'S MANUFACTURER, SIZE OR RATED LOAD, GRADE FOR ALLOY EYEBOLTS."	
K1	CABLE ASSEMBLY NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1" DIA.
K2	CABLE ASSEMBLY WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1	1" DIA.
L1	BEARING PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	5/8" THICKNESS
L2	BEARING PLATE FLANGE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	1" THICKNESS
M1	BEAM GUARD ANCHOR BRACKET	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	
M2	BEAM GUARD ANCHOR END PLATE	AASHTO M111 / ASTM A123 ASTM A36 MIN. STRENGTH 36 KSI, OR ASTM A529 MAX. STRENGTH 50 KSI, OR ASTM A572 MAX STRENGTH 50 KSI, OR ASTM A709 MAX STRENGTH 50 KSI, OR ASTM A992 MAX STRENGTH 50 KSI	3/8" THICKNESS
N1	ANCHOR BRACKET BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	5/8" DIA.
N2	ANCHOR BRACKET BOLT WASHER	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 F436 TYPE 1 (HARDEN WASHER ONLY)	5/8" DIA.
N3	ANCHOR BRACKET BOLT NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 /ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	
P1	FOUNDATION TUBE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1/ ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	1/2" DIA.
Q1	SPLICE BOLT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC AASHTO M180 HEAD ASTM A307 GRADE B OR SAE J429 GRADE 2 OR ASTM F1554 GRADE 36	
Q2	SPLICE NUT	HOT DIP AASHTO M232 CLASS / ASTM A153 CLASS C / ASTM F2329 C OR MECHANICAL GAL. TO AASHTO M298 CLASS 50 TYPE 1 / ASTM B695 CLASS 50 TYPE 1 UNC OVER TAP NUTS AS SPECIFIED IN AASHTO 291 / ASTM A 563 AASHTO M180 RECESSED HEAVY HEX HEAD ASTM A563DH OR SAE J995 GRADE 5	5/8" DIA.

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SDD 14B47 - 05g

MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023
DATE

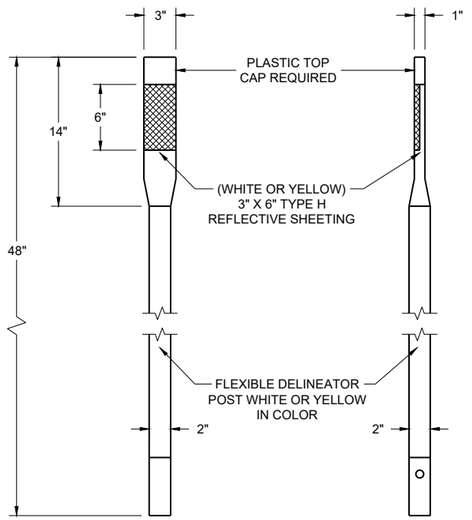
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

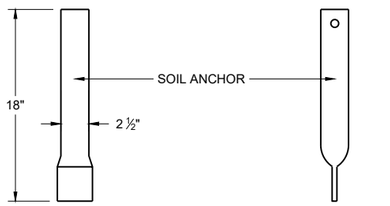
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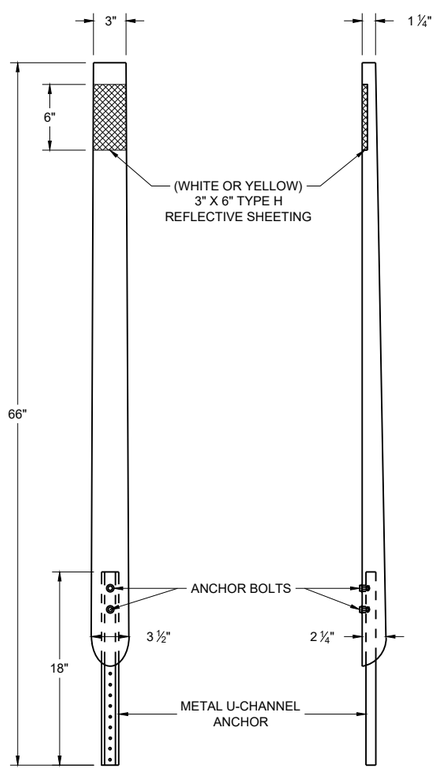
SDD 14B47 - 05g





FRONT VIEW SIDE VIEW

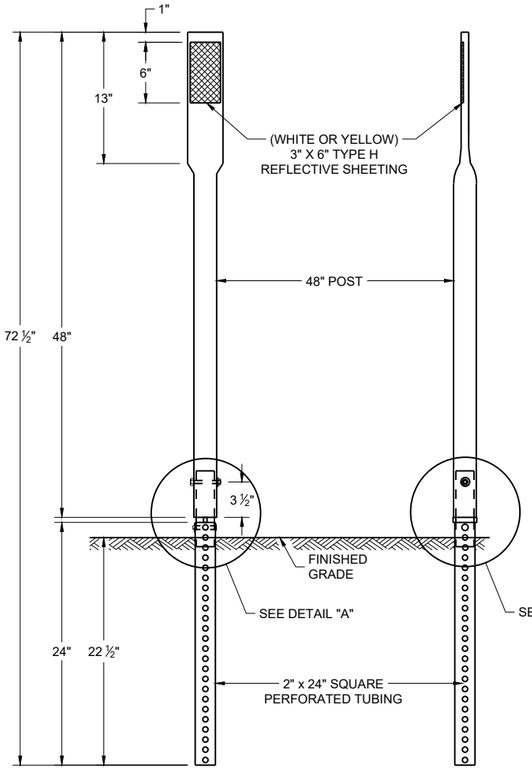
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE DELINEATOR POSTS

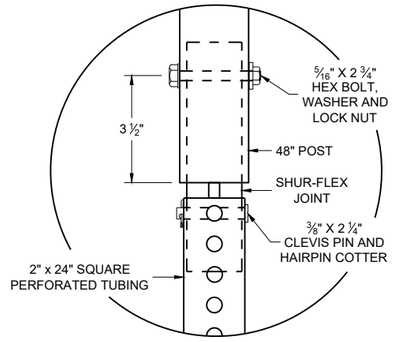


FRONT VIEW SIDE VIEW

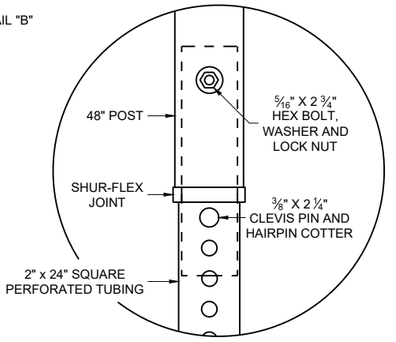
ALTERNATE 3

GENERAL NOTES

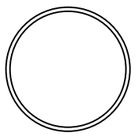
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



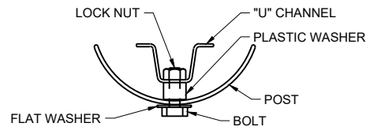
DETAIL A



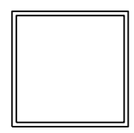
DETAIL B



SECTION A - A



SECTION B - B

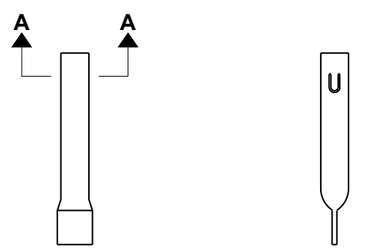


SECTION C - C

REFLECTOR SPACING TABLE

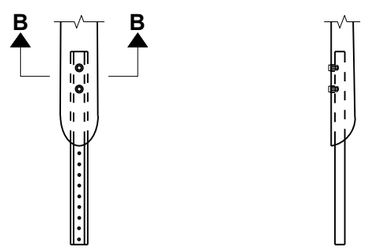
REFLECTOR SPACING	LOCATION
* 100' C-C	RAMPS
400' C-C	MAINLINE

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



FRONT VIEW SIDE VIEW

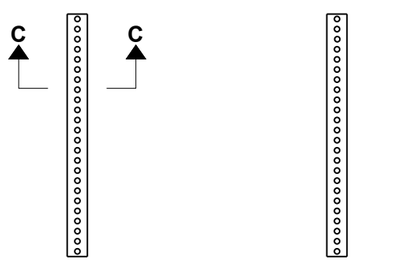
ALTERNATE 1



FRONT VIEW SIDE VIEW

ALTERNATE 2

FLEXIBLE MARKER POST ANCHORS



FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE DELINEATOR POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2024
DATE

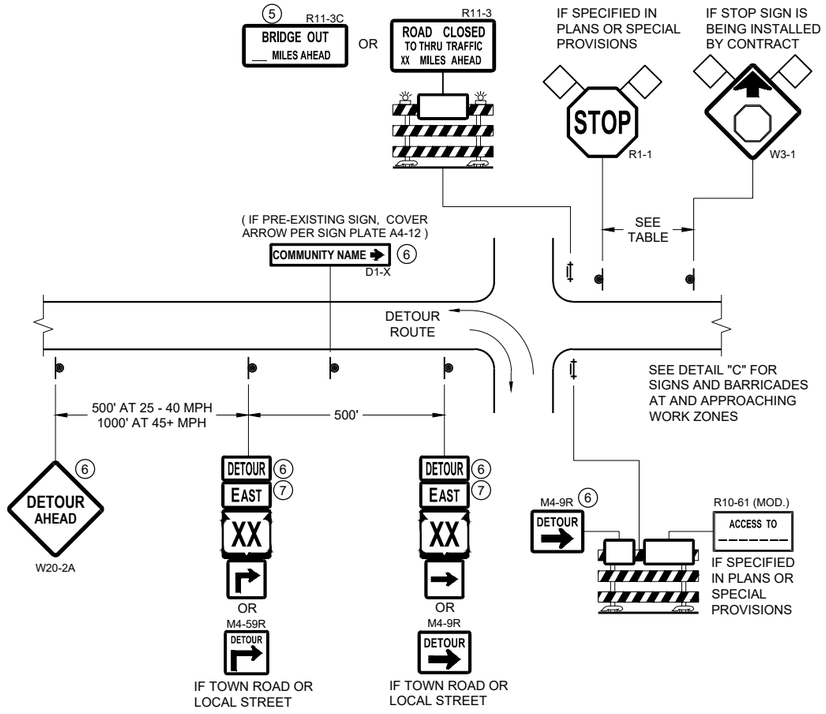
/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

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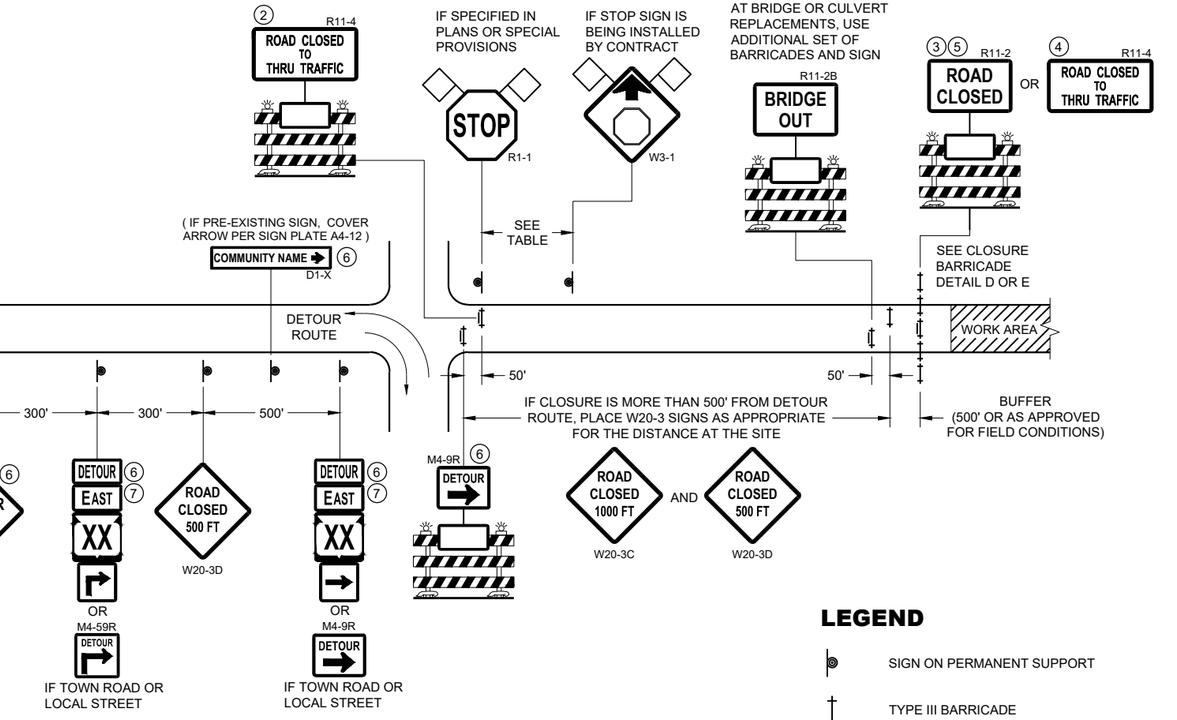
SDD 15A04-08a

SDD 15A04-08a



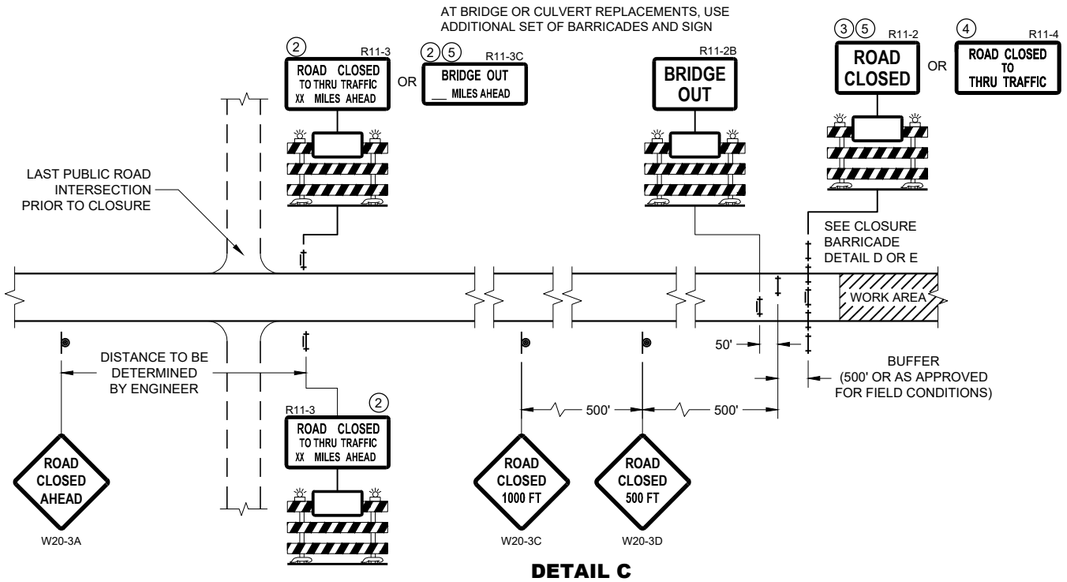
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

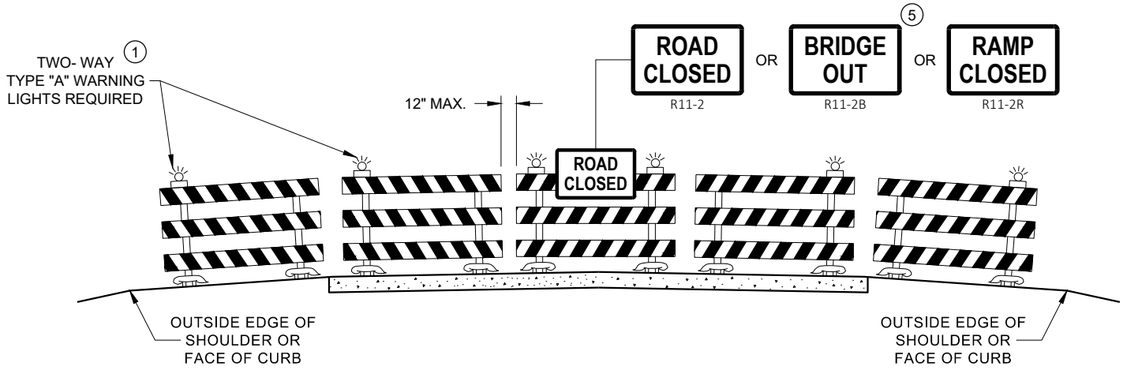
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

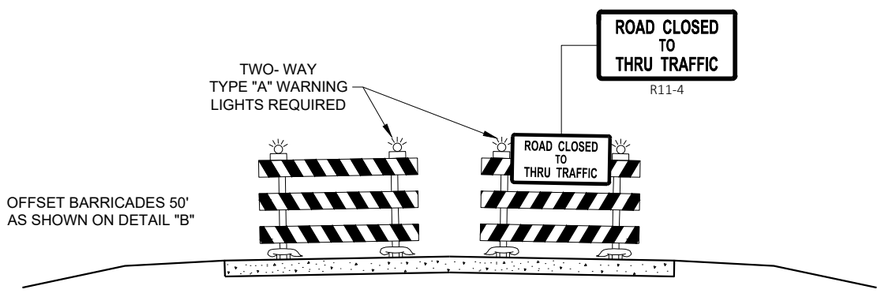
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SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE 810
FHWA

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SDD 15C02 - 09b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4
- OR XX — M1 - 6
- OR COUNTY X — M1 - 5A
- M05 - 1
- OR M06 - 1
- OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

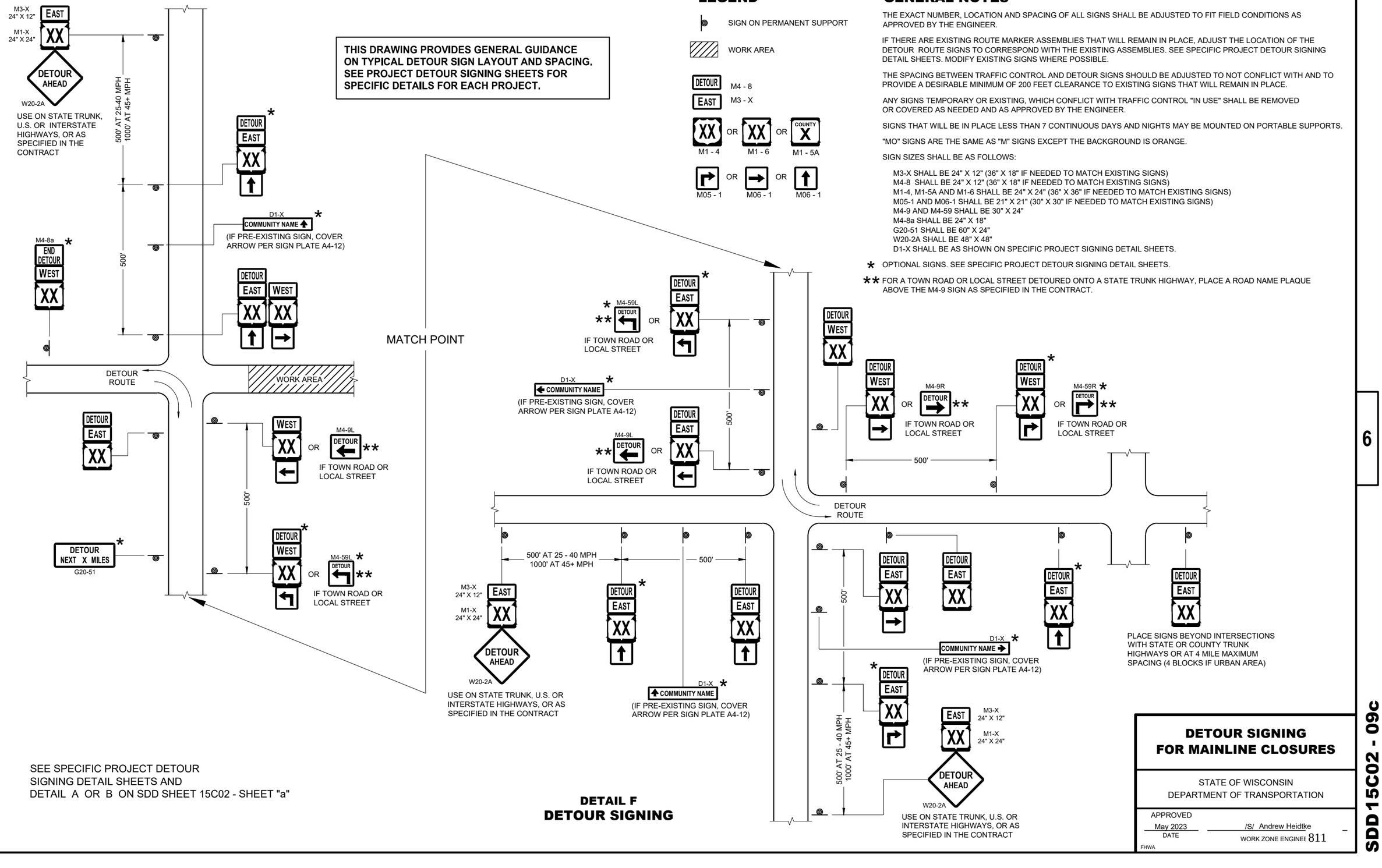
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

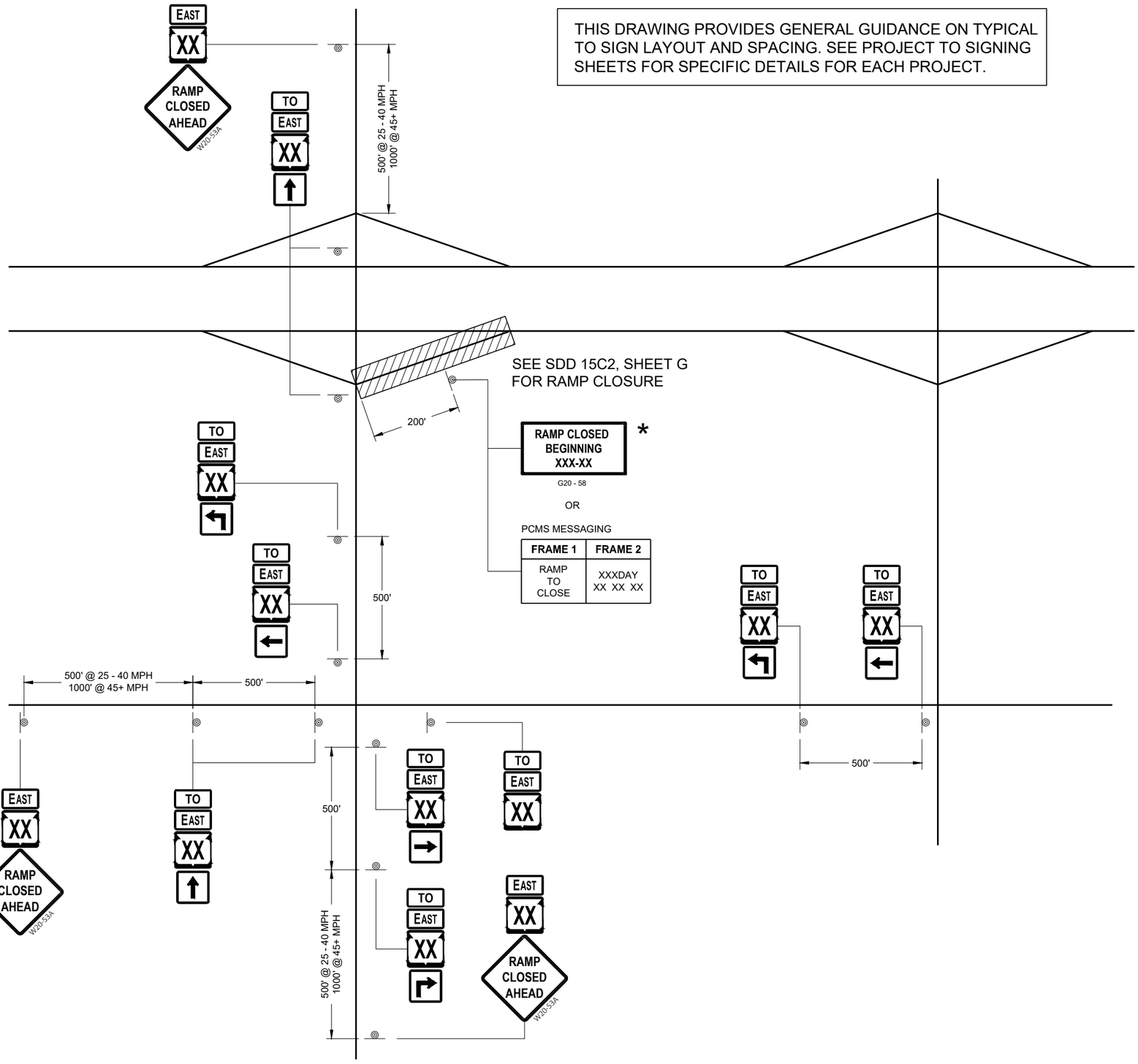
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

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SDD 15C02 - 09c

SDD 15C02 - 09c



THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL TO SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

SIGN ON PERMANENT SUPPORT

TO EAST — MO4 - 5, M3 - X

XX M1 - 6 OR XX M1 - 4 OR INTERSTATE XX M1 - 1

M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE TO ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND TO 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 SHALL 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 FOLLOW:
- M3 - X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 1, M1 - 4, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).
- W20 - 53A SHALL BE 48" X 48"

* PLACE "RAMP CLOSED BEGINNING" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR LAYOUT.

ON RAMP LANE CLOSURE

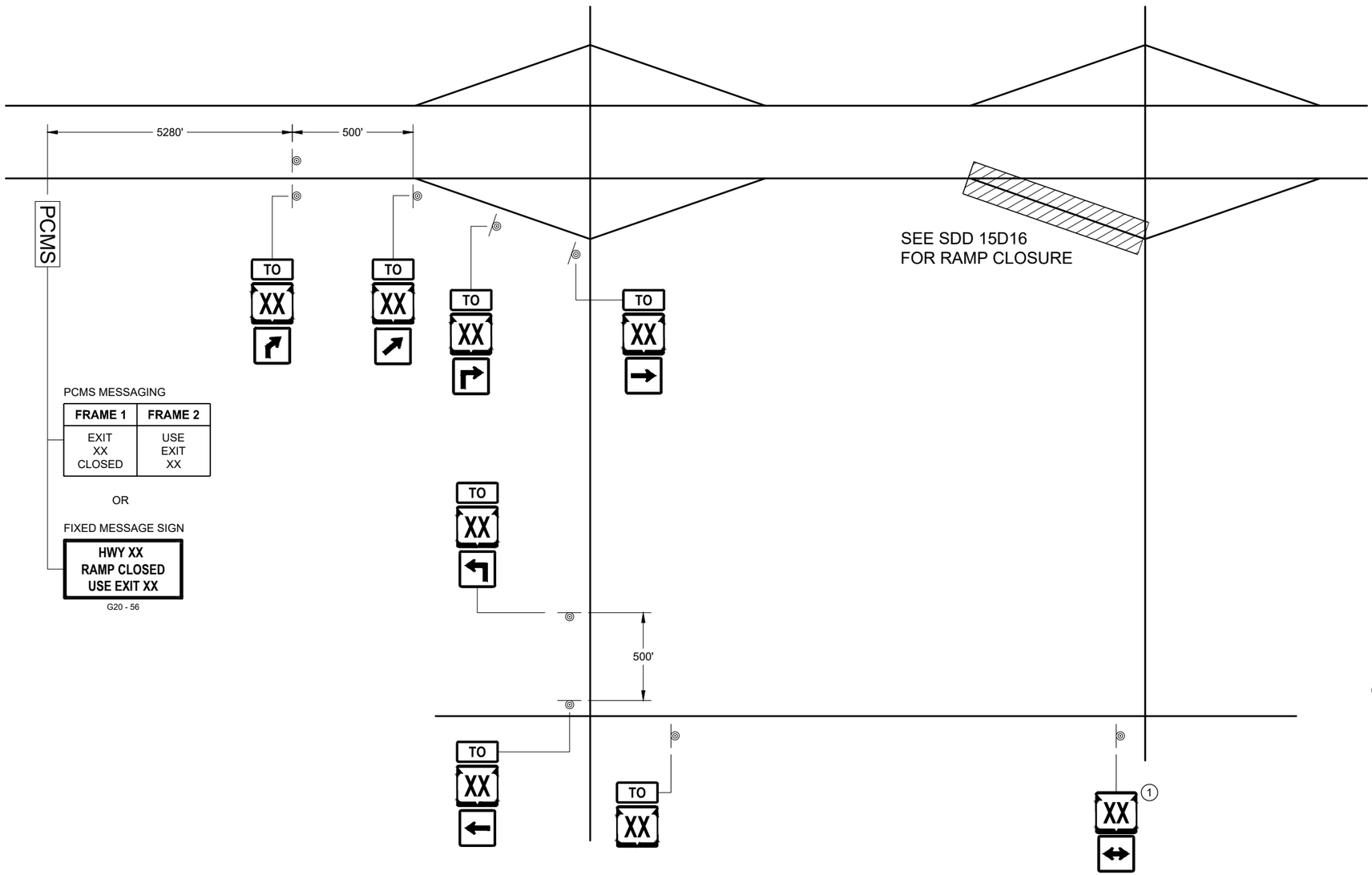
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DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
812
FHWA

6

SDD 15C02 - 09d

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL "TO" MO-4 SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.



PCMS MESSAGING

FRAME 1	FRAME 2
EXIT XX CLOSED	USE EXIT XX

OR

FIXED MESSAGE SIGN

HWY XX
RAMP CLOSED
USE EXIT XX

G20 - 56

LEGEND

SIGN ON PERMANENT SUPPORT

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TO MO4 - 5

XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A

M05 - 1 OR M05 - 2 OR M06 - 1 OR M06 - 2 OR M06 - 4

GENERAL NOTES

SEE SDD 15D16 "TRAFFIC CONTROL, EXIT RAMP CLOSURE" DETAIL FOR TRAFFIC CONTROL AT EXIT RAMP CLOSURE.

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

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE "TO" MO-4 ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND "TO" MO-4 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 SHALL 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 FOLLOW:
- MO4 - 5 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, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).

(1) ONLY ADD IF THERE ARE NO EXISTING ROUTE MARKERS FOR THE INTERSECTING ROADWAY.

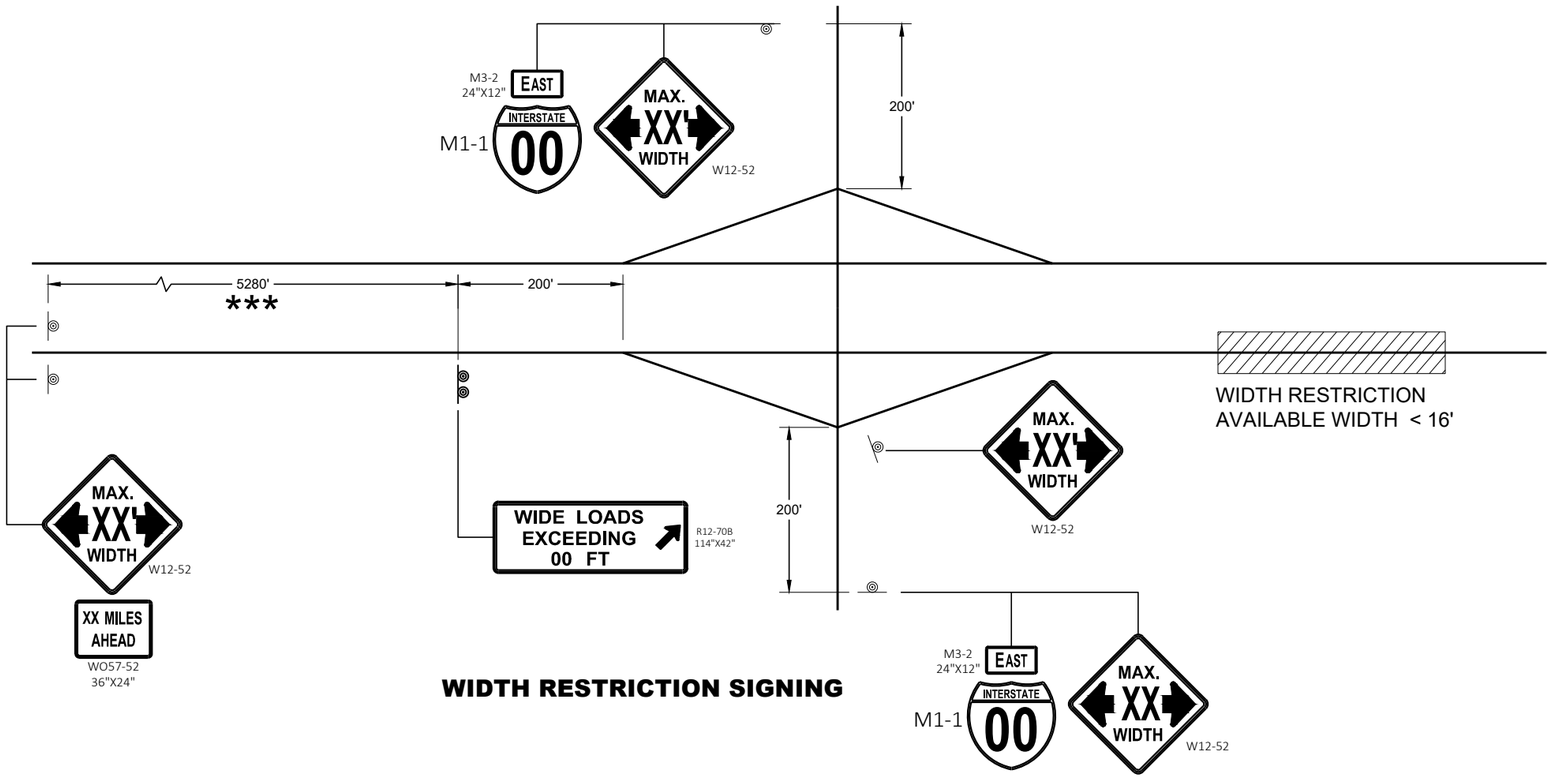
OFF RAMP
LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

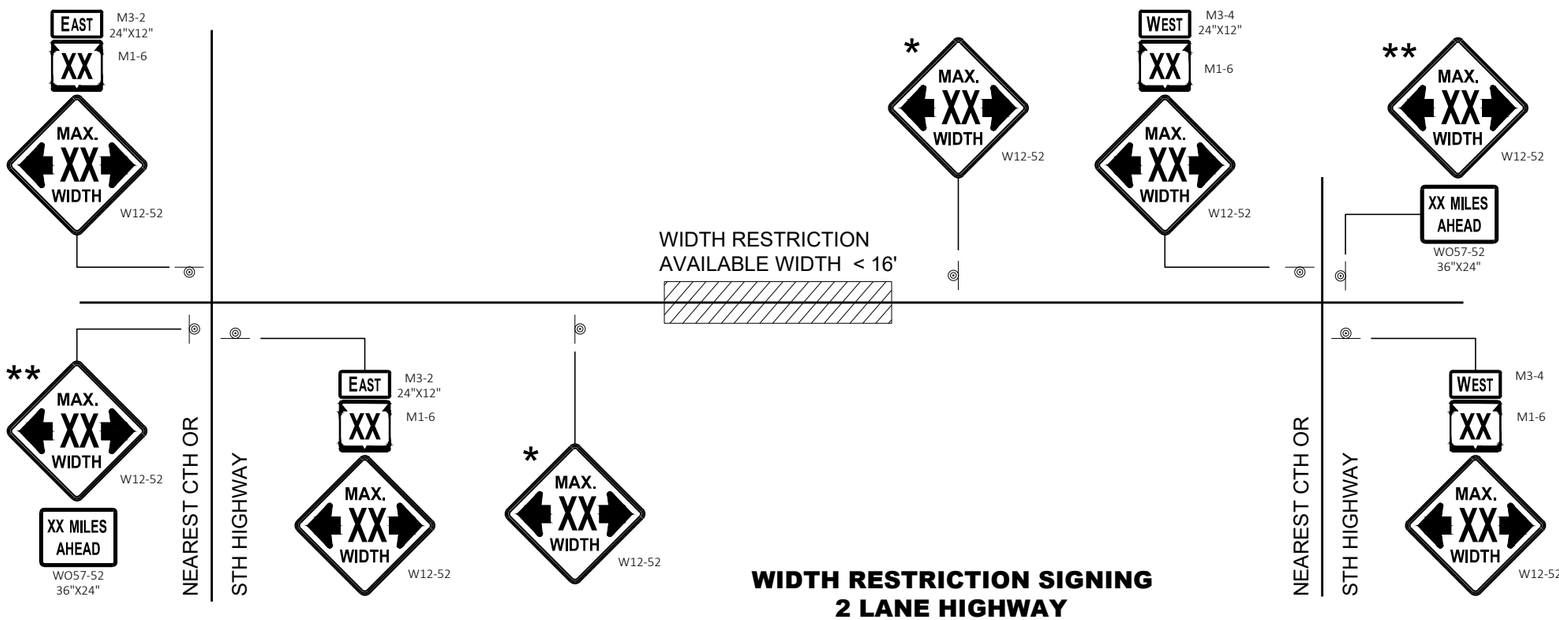
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WIDTH RESTRICTION SIGNING



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

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

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

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

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

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

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

** SIGN SHALL BE VISIBLE FROM ROADWAY.

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



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

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
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APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

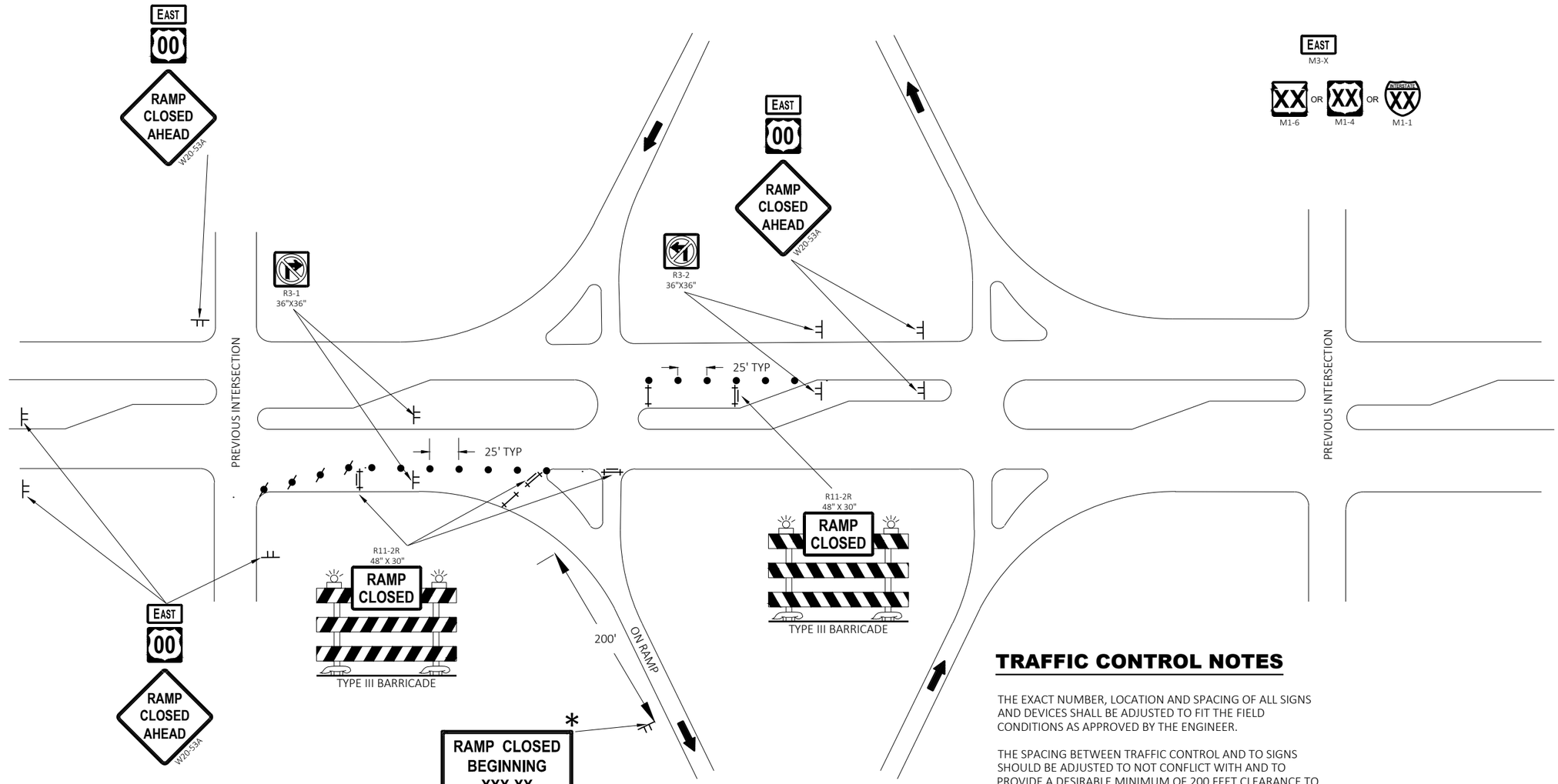
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LEGEND

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL AND TO 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 THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24"x24" (36" x18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-1, M1-4, AND M1-6 SHALL BE 24"x24" (36"x36" IF NEEDED TO MATCH EXISTING SIGNS)
- W20-53A SHALL BE 48"X48"

* PLACE "RAMP CLOSED BEGINNING" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR LAYOUT.

TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE

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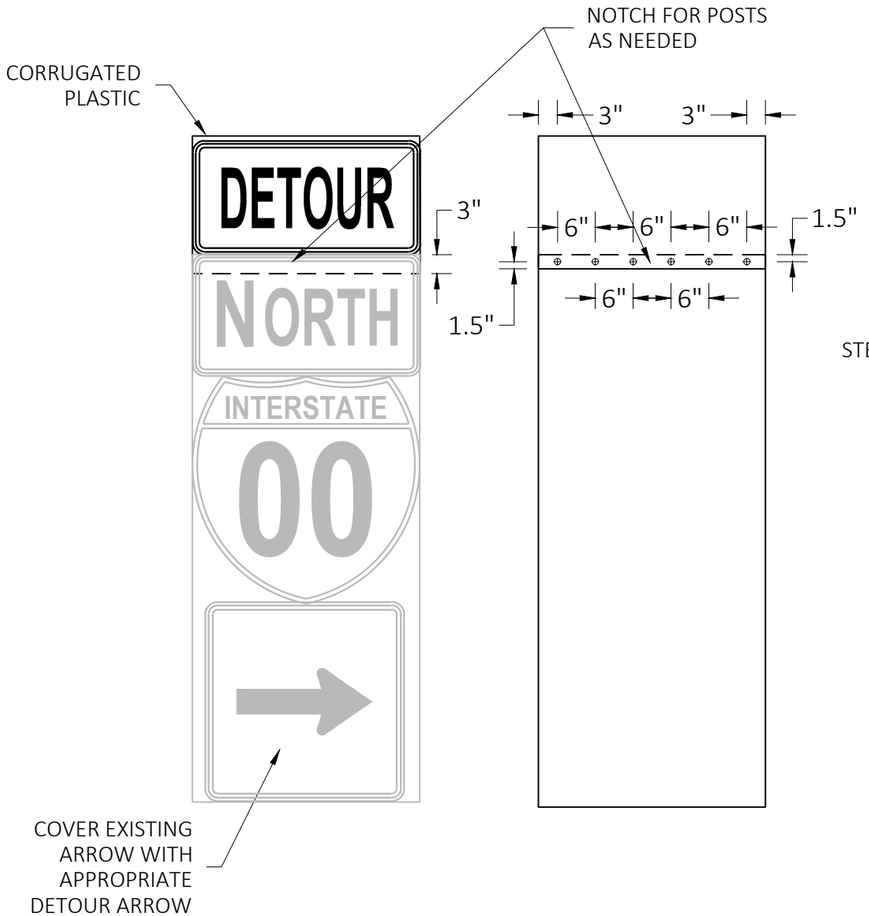
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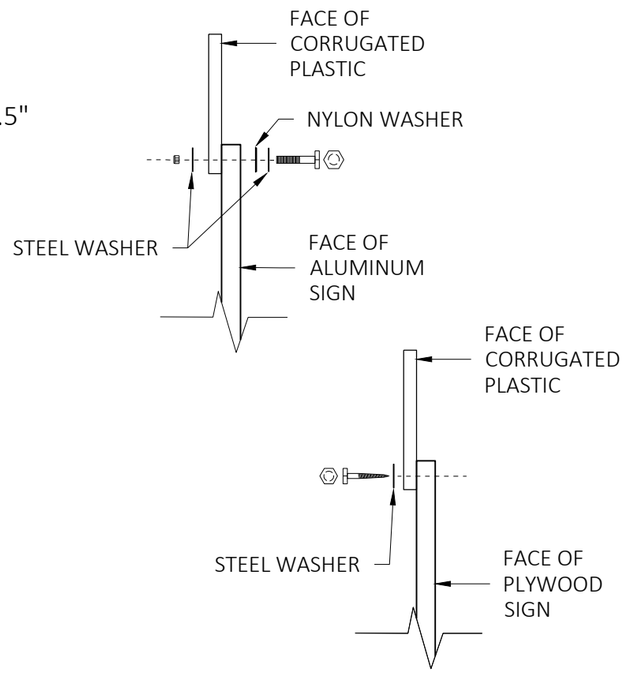
SDD 15C02-09g

FRONT SIDE

BACK SIDE

SIDE VIEW





GENERAL NOTES

CELLS OF CORRUGATED PLASTIC SHALL BE VERTICALLY ORIENTED.

PROVIDE A 0.4-INCH THICK BASE CORRUGATED PLASTIC WITH A 0.035-INCH WALL THICKNESS AND 0.4-INCH CELL SIZE.

FOR 36" WIDE SIGNS: USE 6 FASTENERS AS SHOWN.

FOR 24" WIDE SIGNS: USE 4 FASTENERS WITH EDGE SPACING AS SHOWN AND 6" SPACING BETWEEN FASTENERS.

METAL WASHERS, NUTS, BOLTS AND LAGS 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, SC3

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.

PLYWOOD SIGNS:
LAG SCREWS - 5/16" x 1"
ALUMINUM SIGNS:
MACHINE BOLTS - 5/16" x 1-1/4" LENGTH W/NUTS
WASHERS:
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

MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

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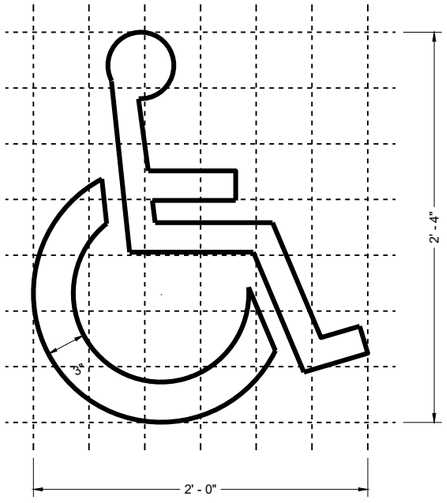
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May 2023 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVEL ENGINEER
FHWA

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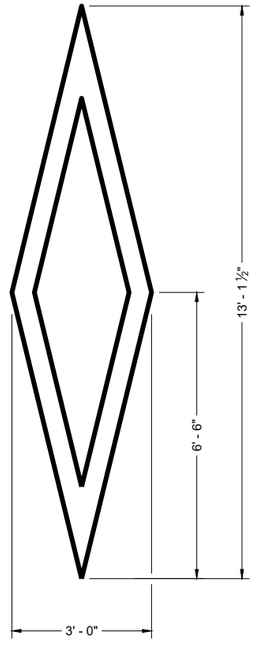
SDD 15C02-09h

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

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SDD 15C07-16a

PAVEMENT MARKING SYMBOLS

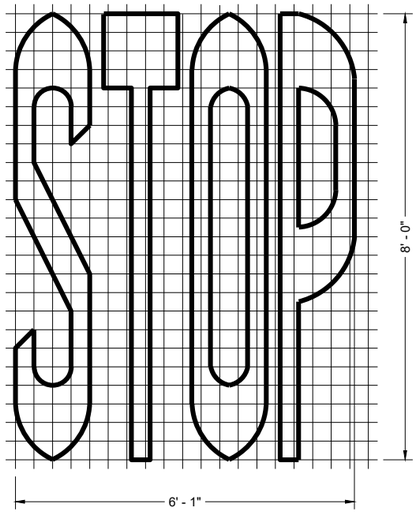
STATE OF WISCONSIN
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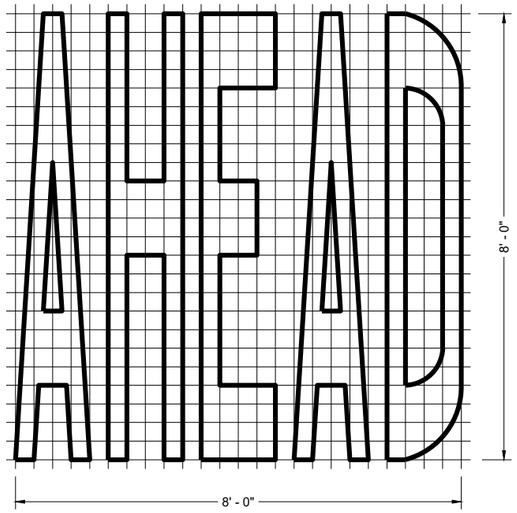
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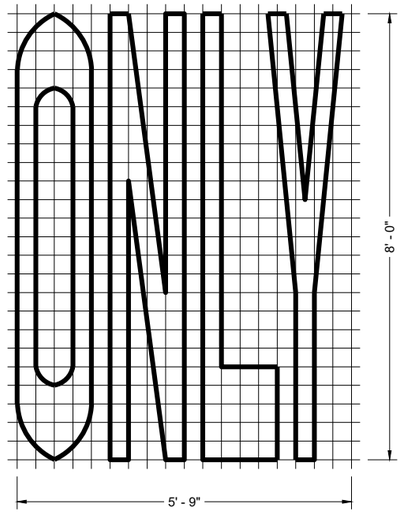
November 2024
DATE

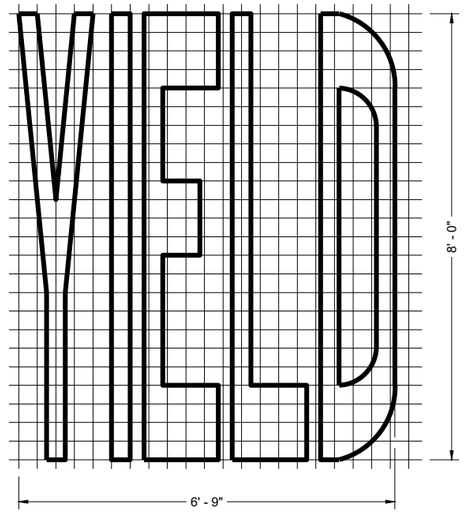
/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

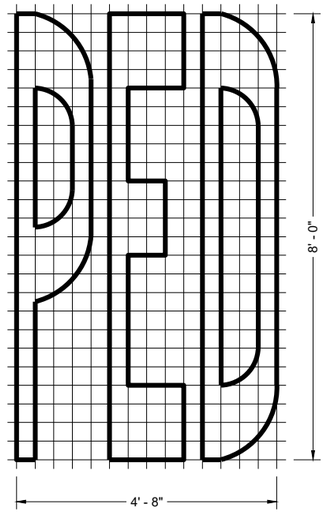
FHWA

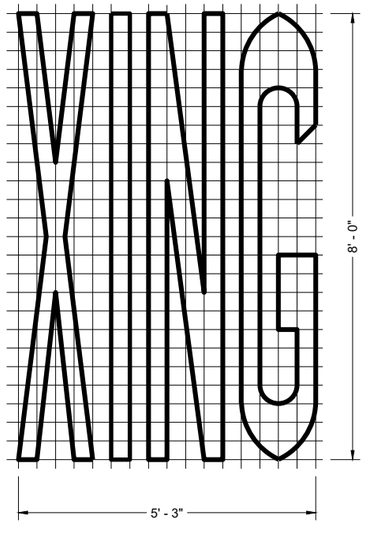


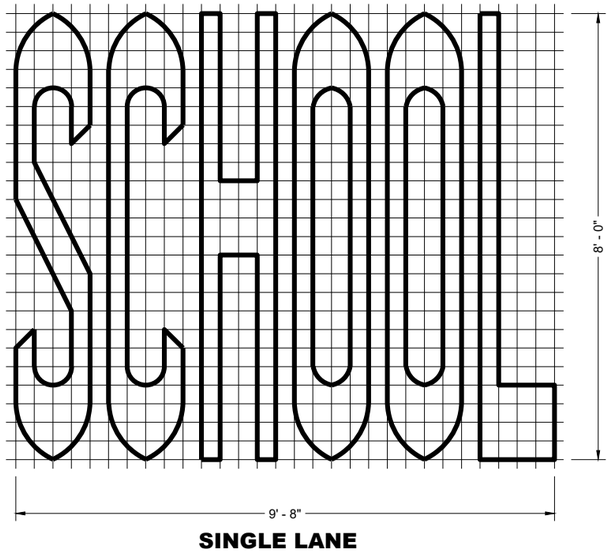




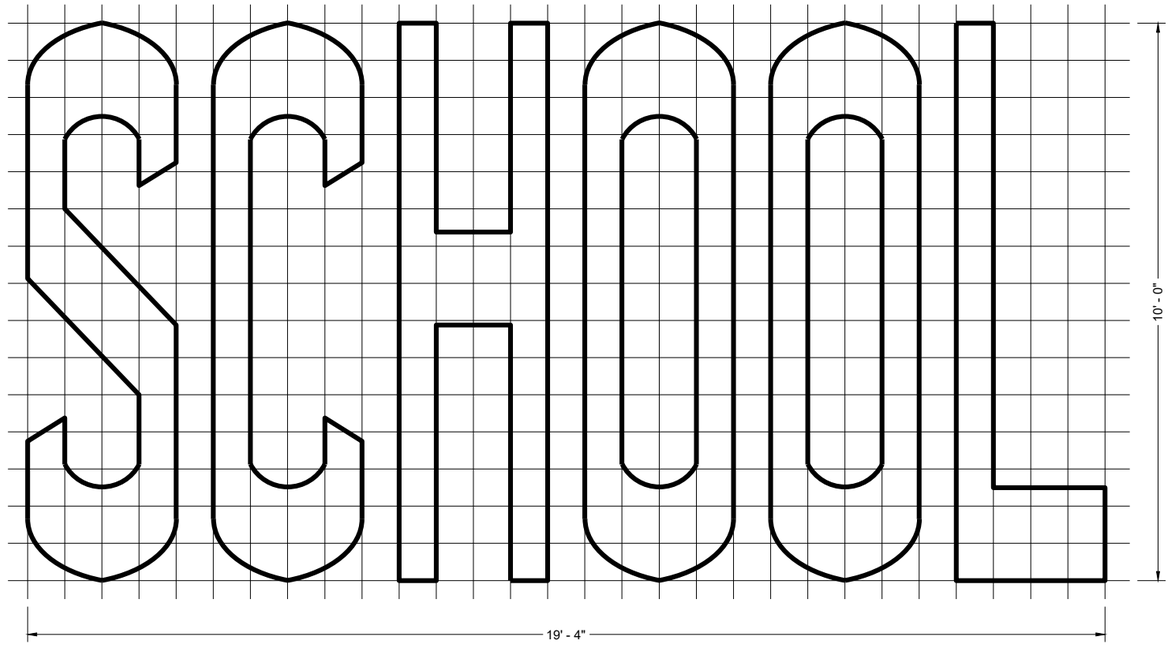








SINGLE LANE



TWO - LANE

GENERAL NOTES

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PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

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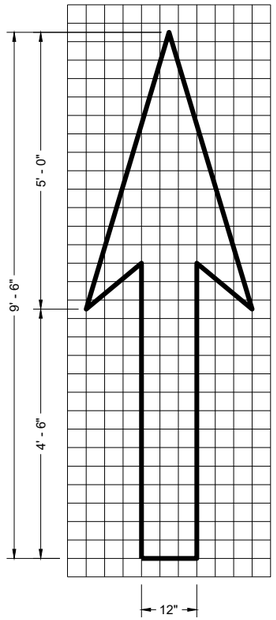
SDD 15C07-16b

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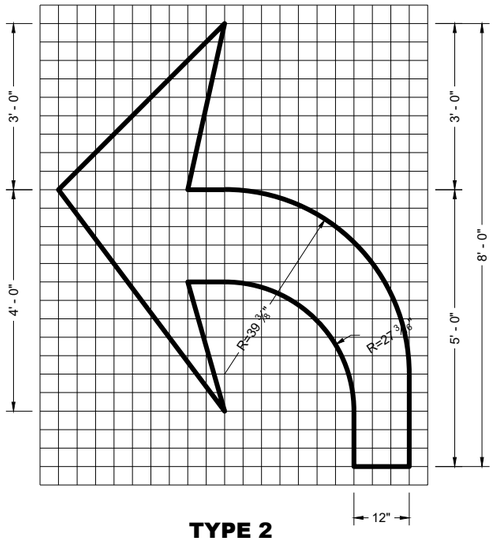
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GENERAL NOTES

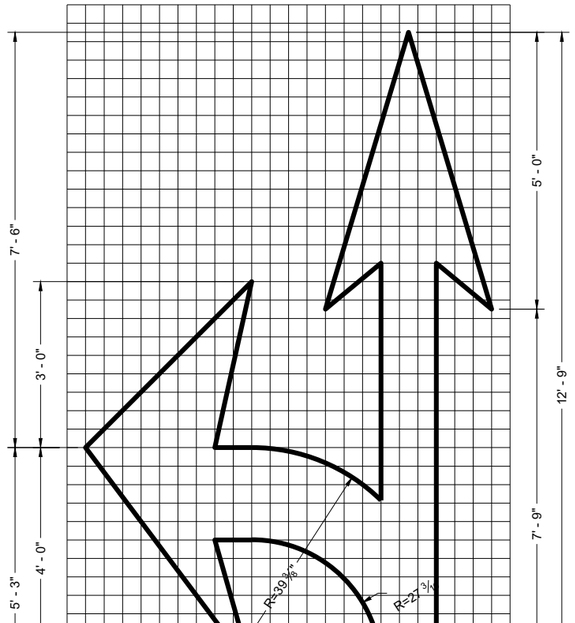
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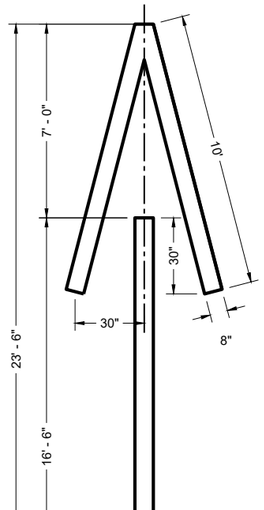
TYPE 1



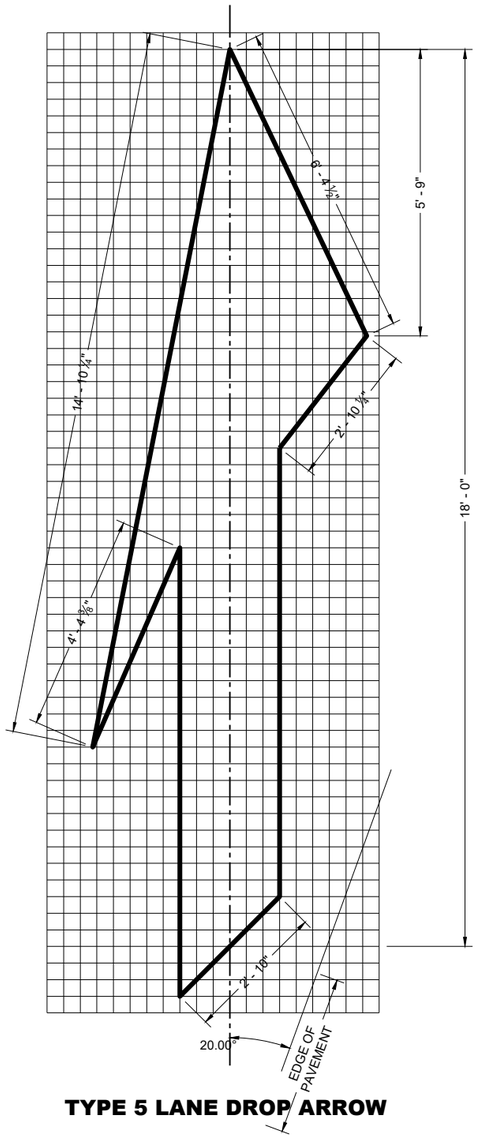
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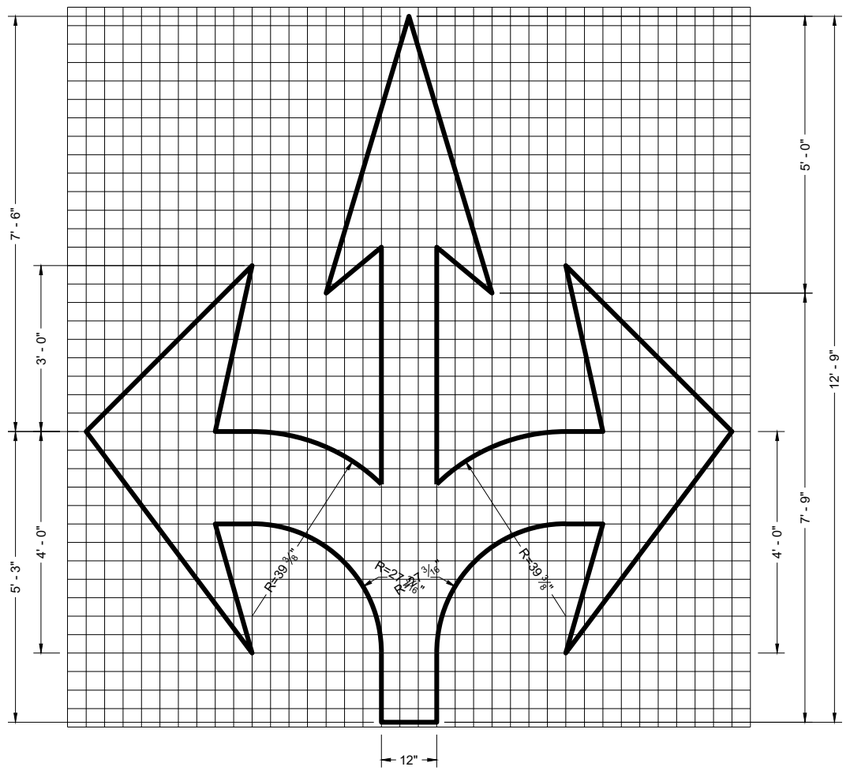
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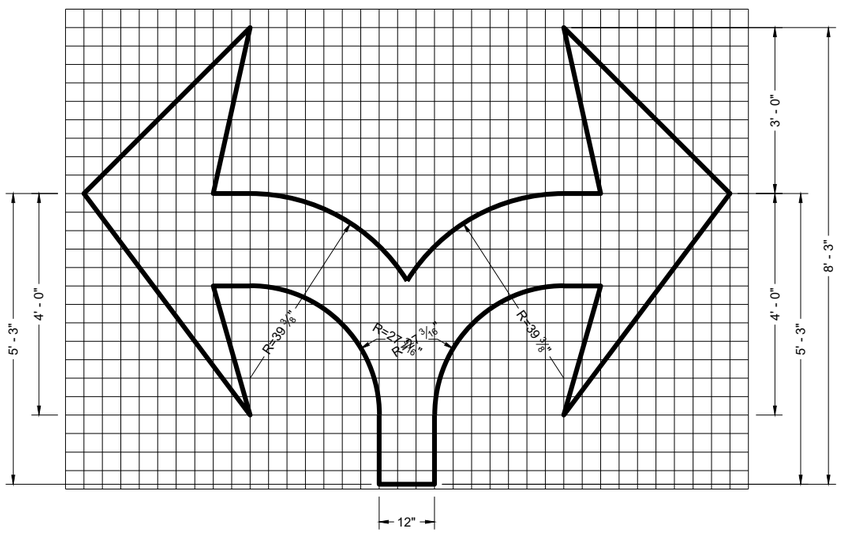
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

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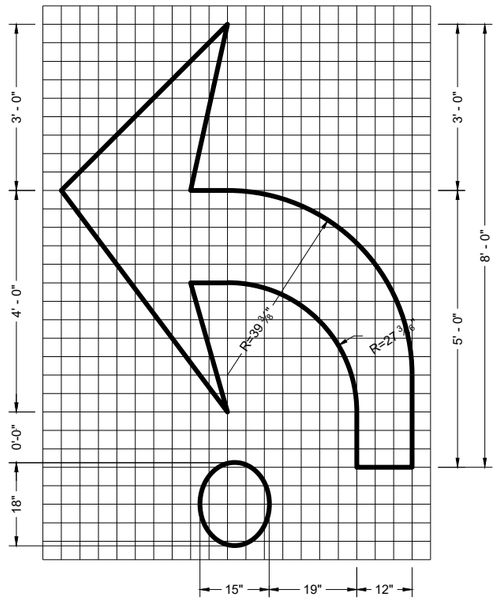
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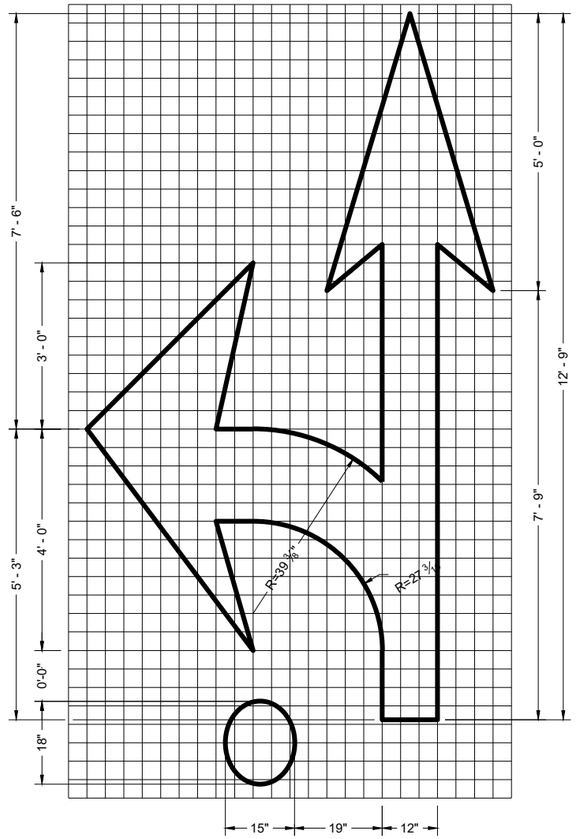
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GENERAL NOTES

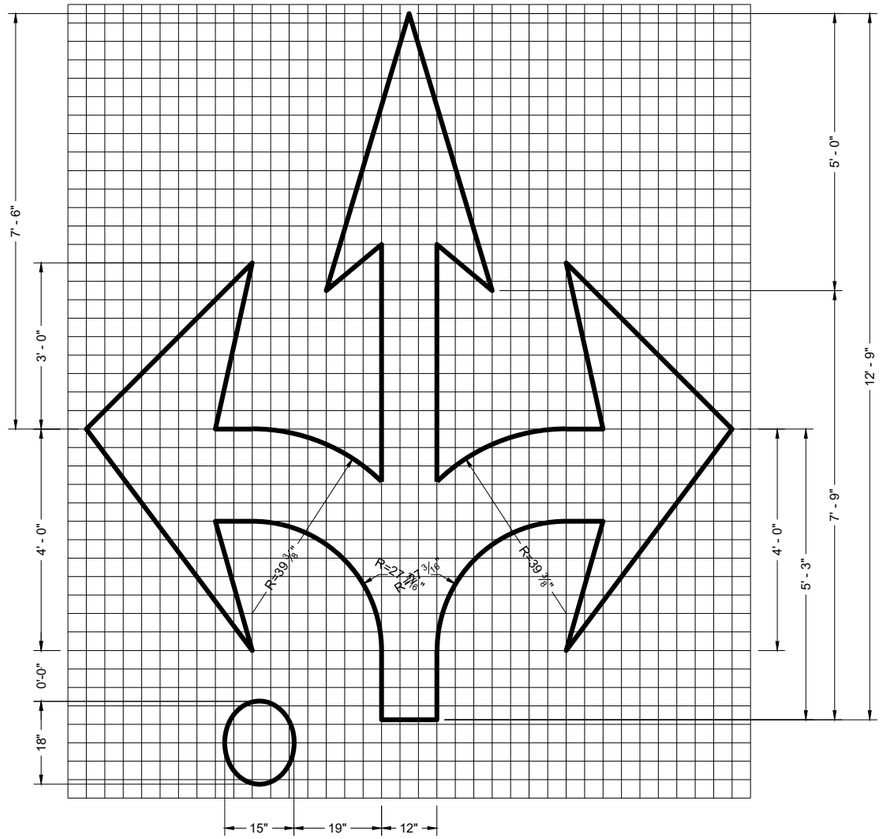
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



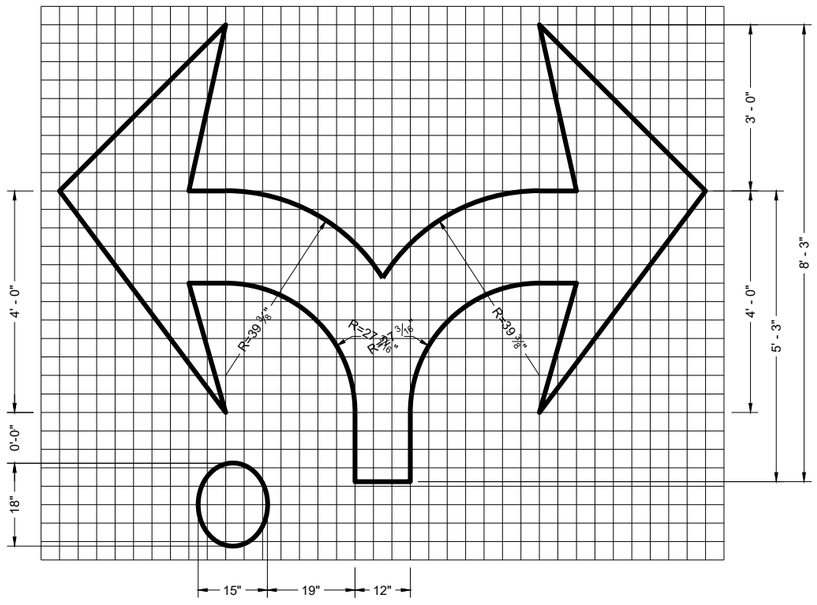
TYPE 2R



TYPE 3R



TYPE 6R



TYPE 7R

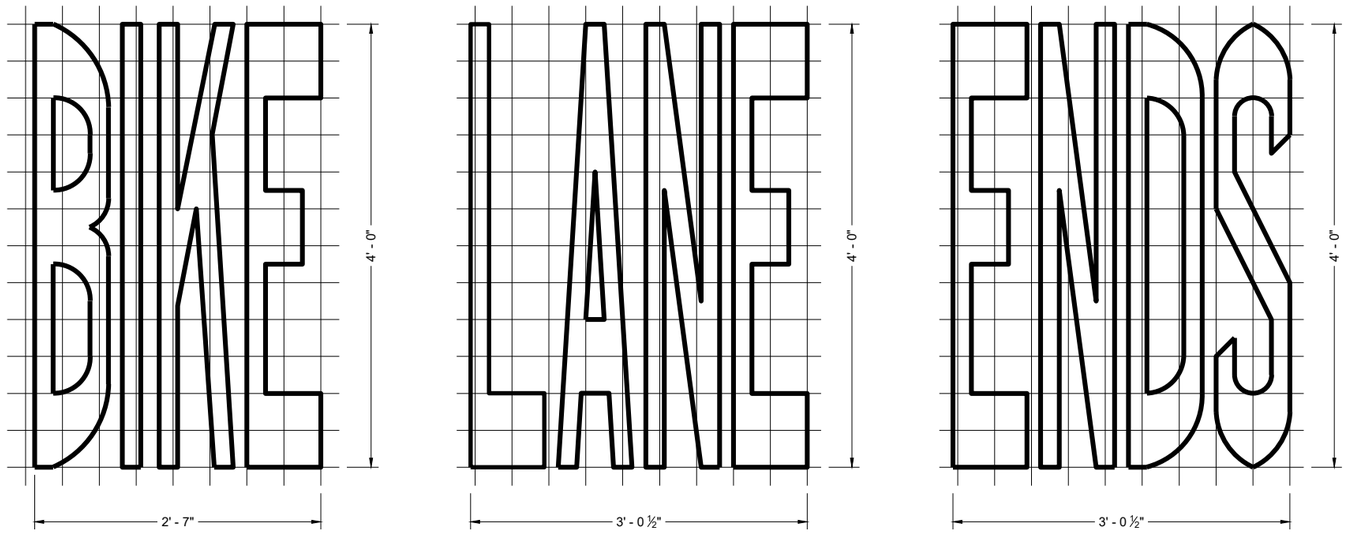
ROUNDABOUT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15C07-16d

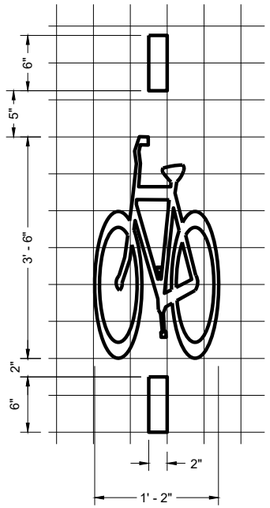


BIKE LANE WORDS

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 ARROW



BICYCLE DETECTOR PAVEMENT MARKING

BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
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/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

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SDD 15C07-16e

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SDD 15C07-16e

GENERAL NOTES

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

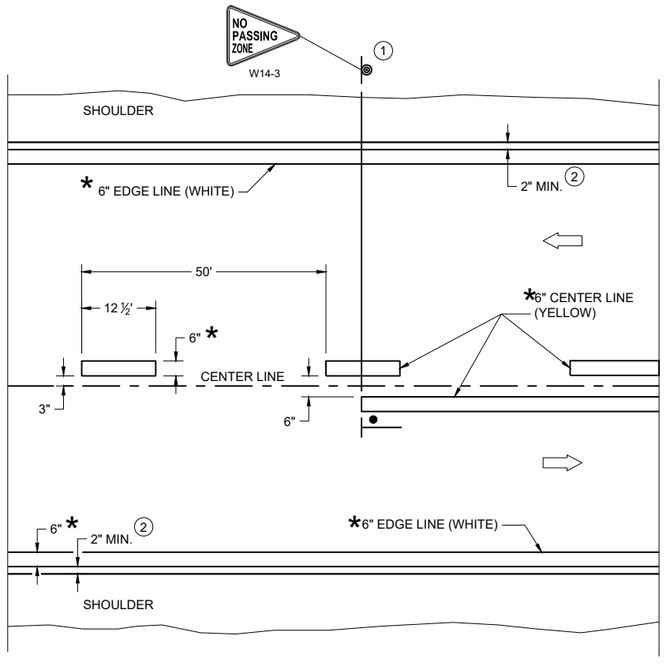
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

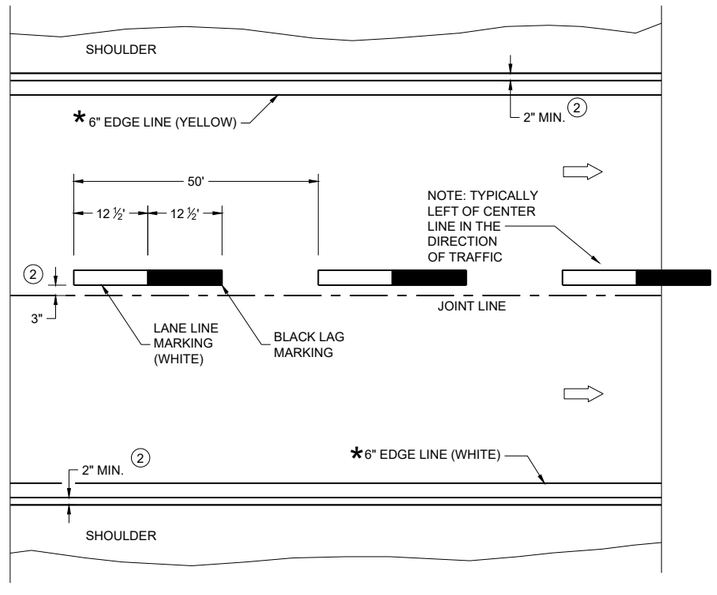
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

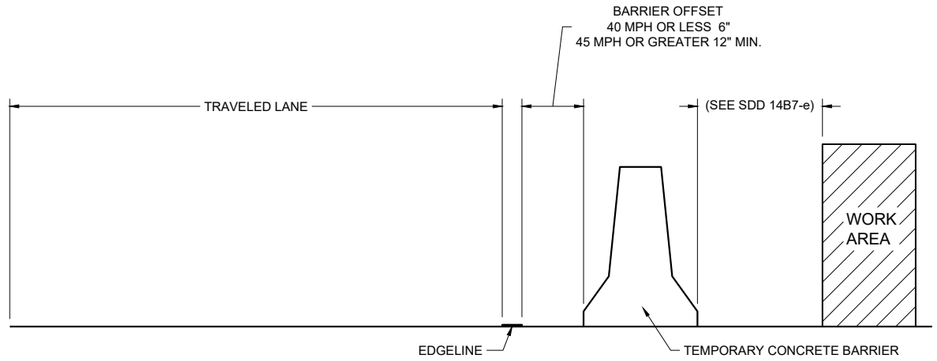
APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer
FHWA

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SDD 15C08-23a

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SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

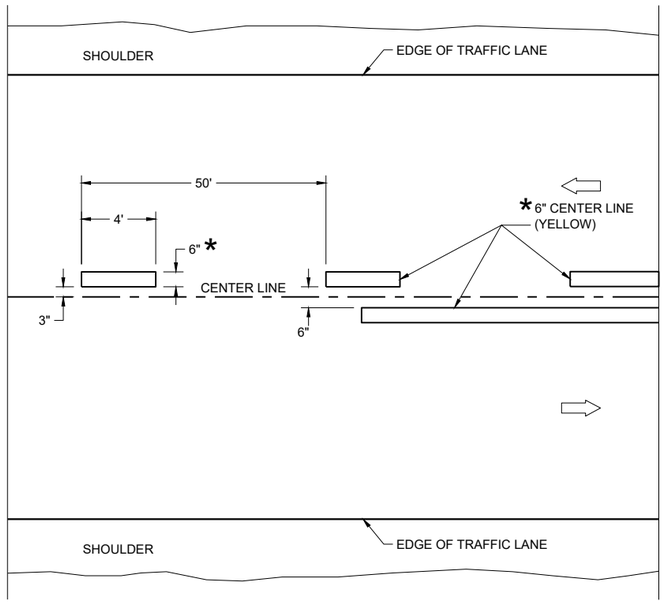
GENERAL NOTES

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

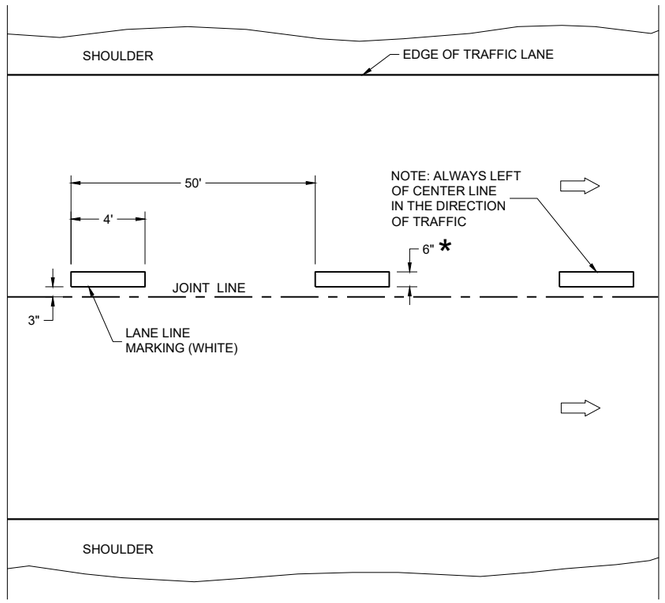
LEGEND

DIRECTION OF TRAFFIC

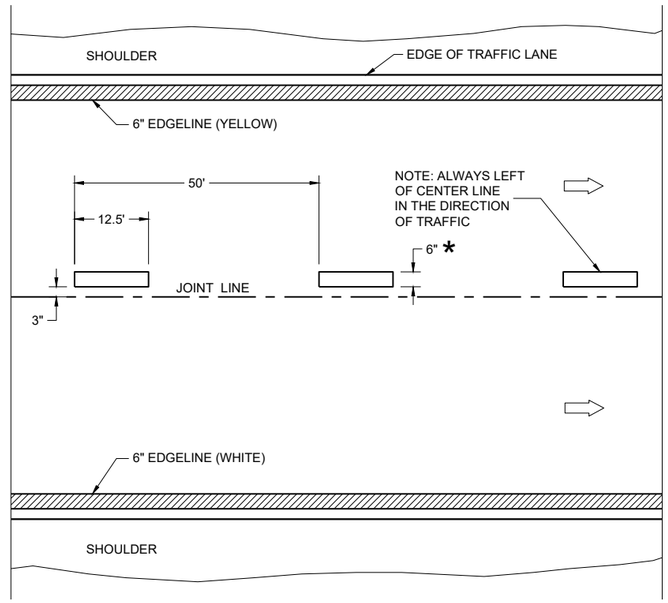
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

6

SDD 15C08-23b

6

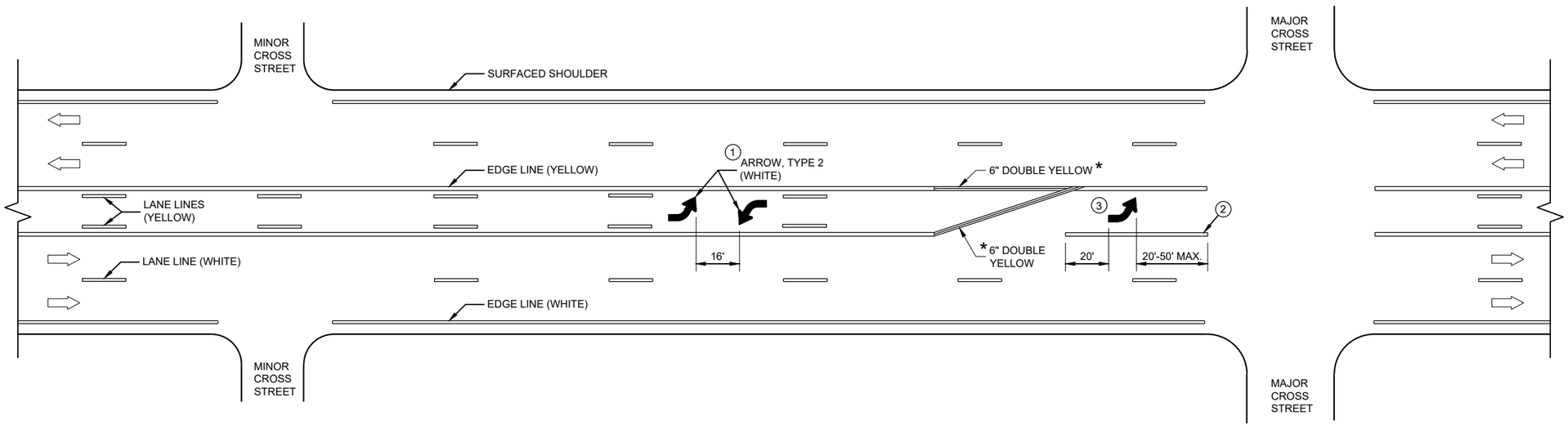
SDD 15C08-23b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

⇨ DIRECTION OF TRAFFIC

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY LEFT TURN LANE

6

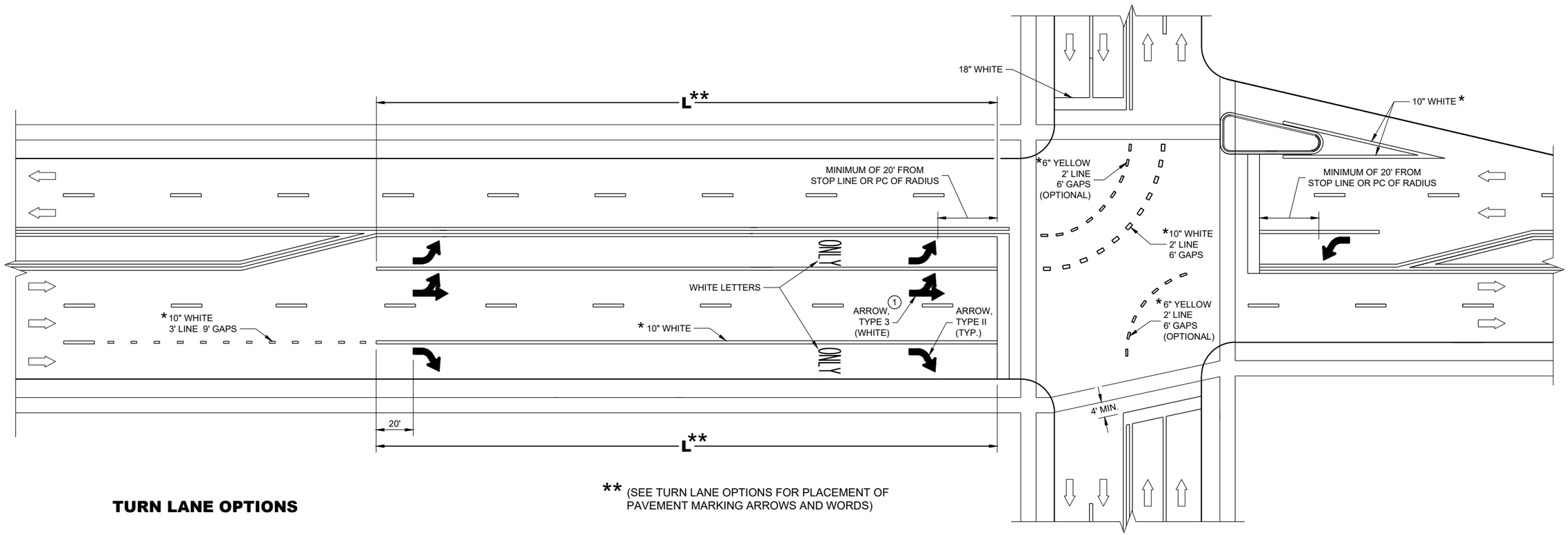
SDD 15C08-23c

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA· 824

6

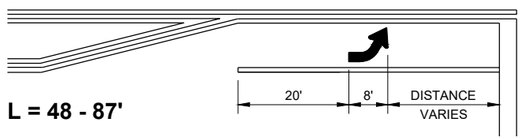
SDD 15C08-23c



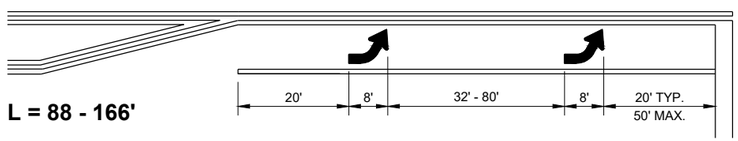
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

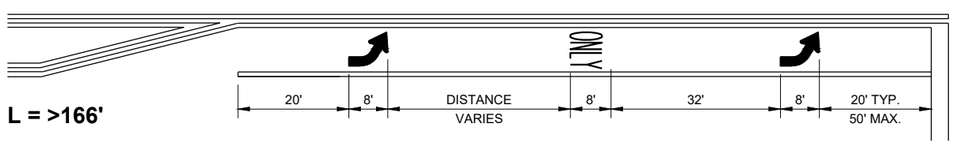
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

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

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

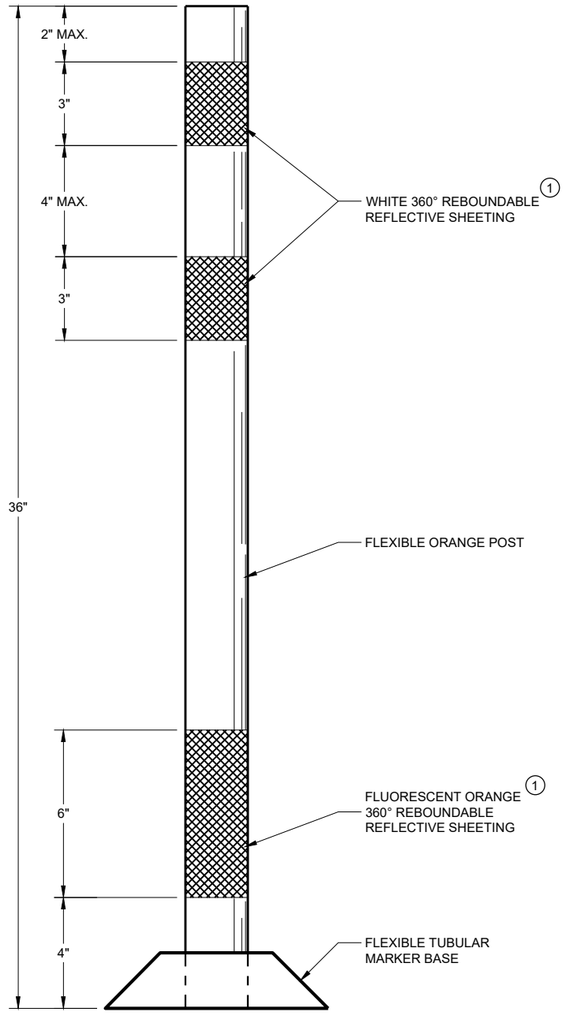
PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08-23d

SDD 15C08-23d



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

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

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

826

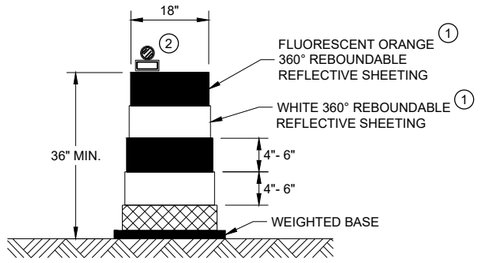
FHWA

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SDD 15C11 - 10a

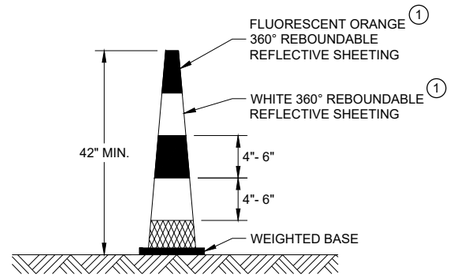
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

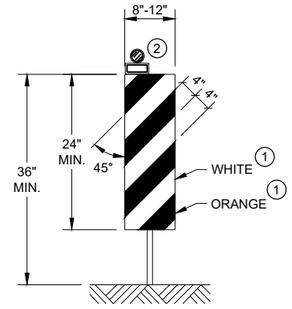
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

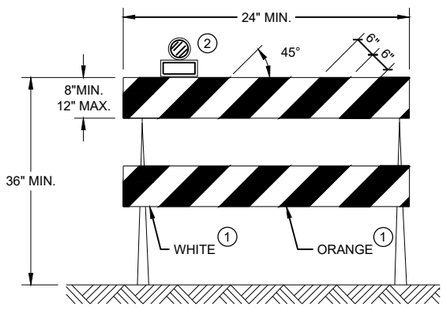
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



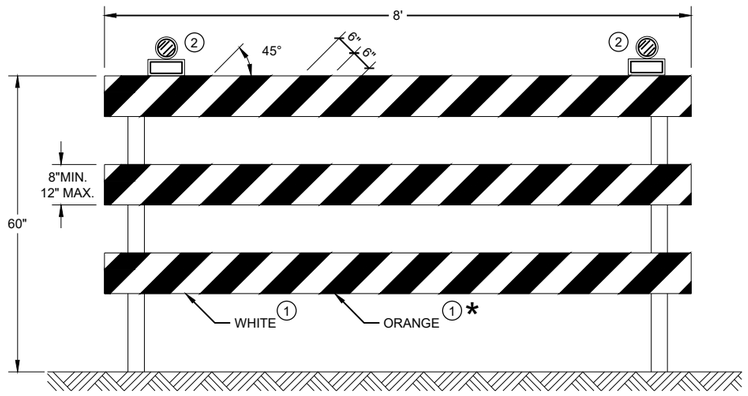
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

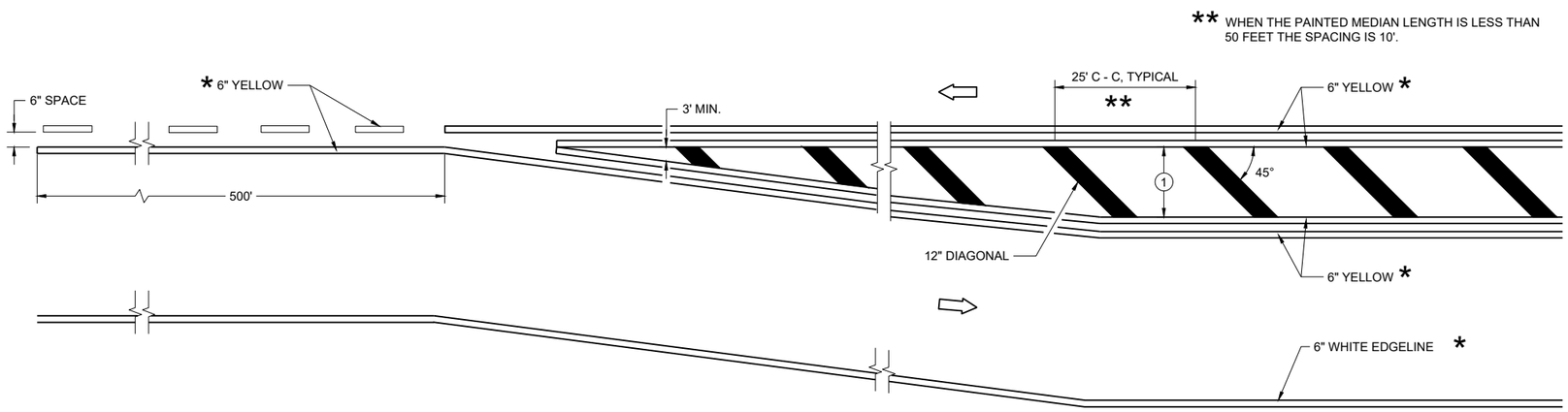
/S/ Andrew Heidtke
WORK ZONE ENGINEE

827

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SDD 15C11 - 10b



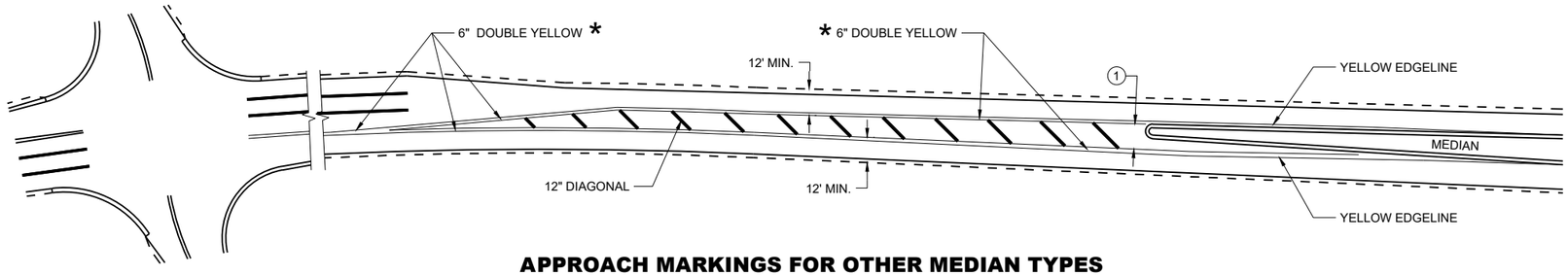
MEDIAN ISLAND DETAIL

GENERAL NOTES

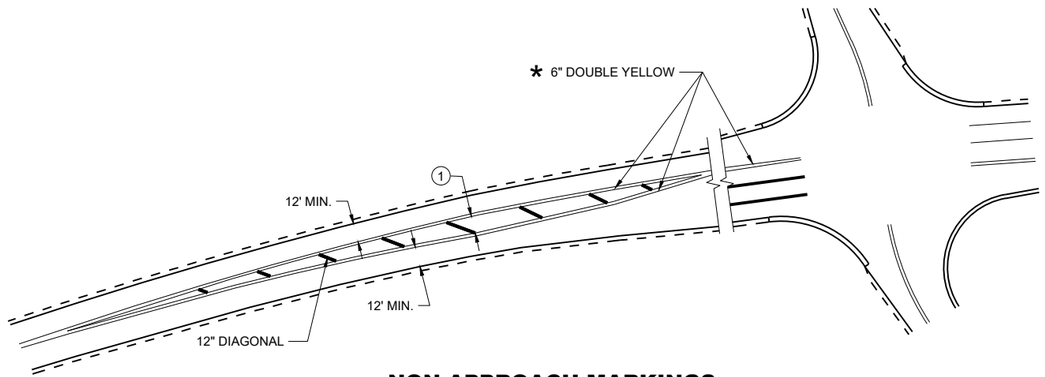
(1) DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT THE WIDEST POINT. OMIT DIAGONALS IF WIDTH IS LESS THAN 4 FEET.

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

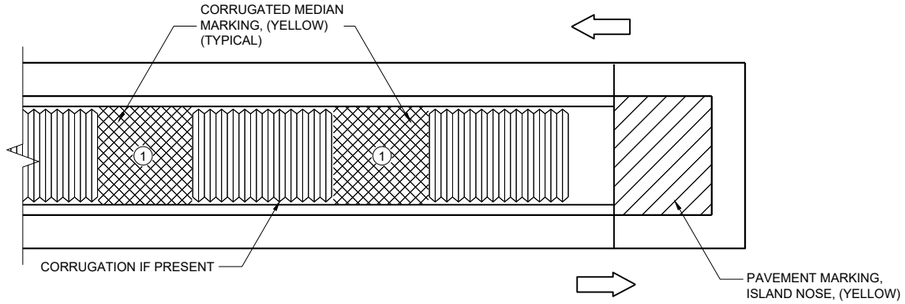
/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

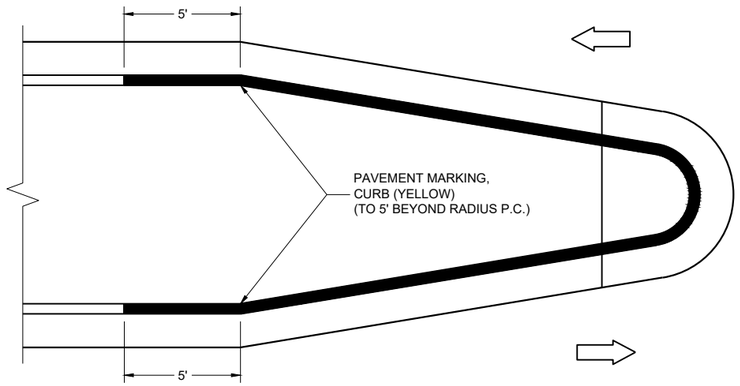
6

SDD 15C18-09a

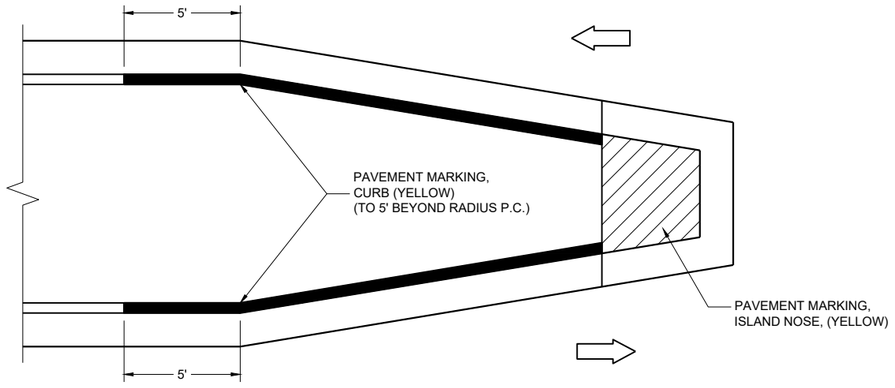
SDD 15C18-09a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

**TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS**

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

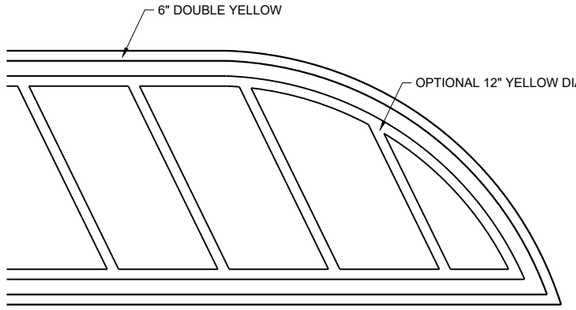
(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL



FLUSH MEDIAN ISLAND NOSE

**PAVEMENT MARKINGS,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024
DATE

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Statewide Pavement Marking Engineer

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REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED

GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

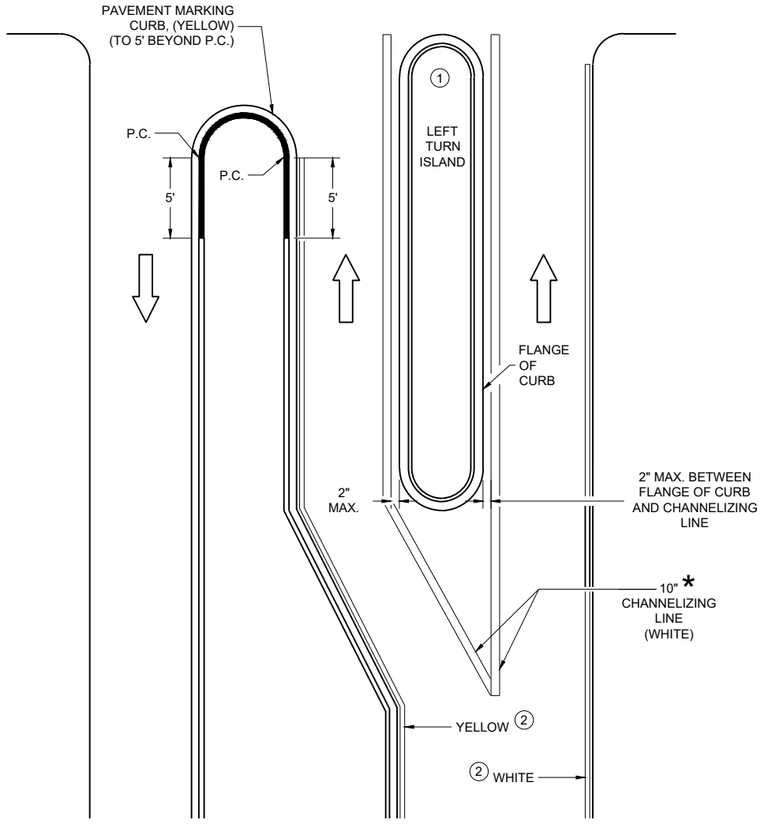
(1) MARK CURB NOSES YELLOW.

(2) MARK ACCORDING TO TABLE.

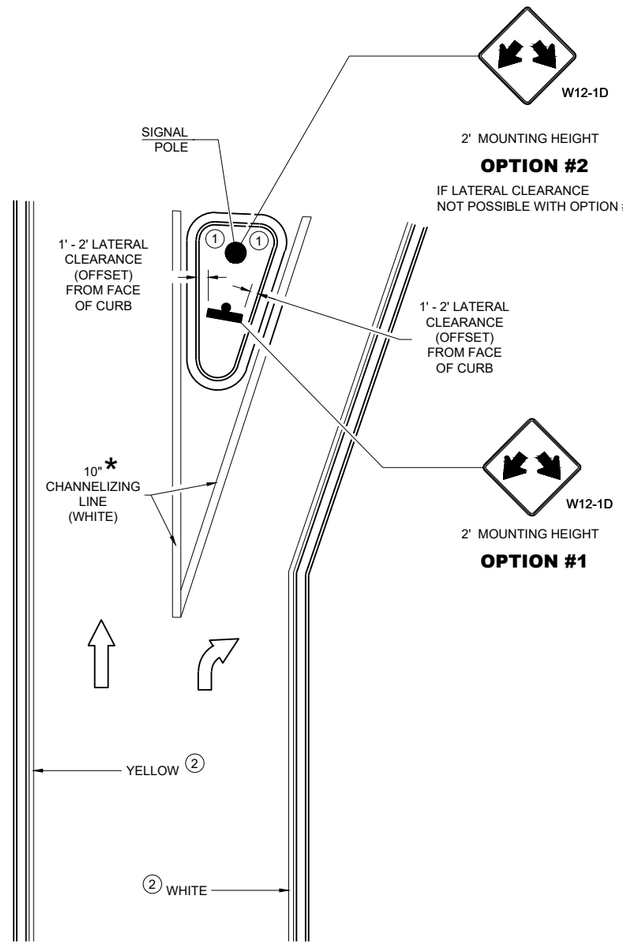
(3) CHEVRON MAY BE OMITTED IF LESS THAN 4" WIDE

DIRECTION OF TRAVEL

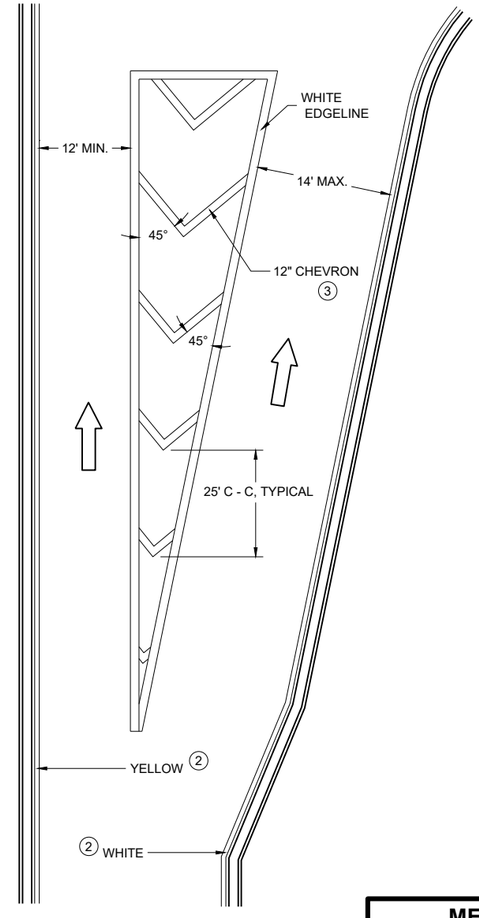
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



LEFT TURN & MEDIAN ISLAND



RIGHT TURN ISLAND



TURN LANE DETAIL

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2024 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer

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SDD 15C18-09c

GENERAL NOTES

SIGNING AND MARKING IS SHOWN AS TYPICAL PLACEMENT. FIELD CONDITIONS MAY DICTATE CHANGES IN SIGNING AND MARKING PLACEMENT.

(1) USED ONLY WHEN APPROVED BY REGION TRAFFIC ENGINEER.

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

** SIGNS MAY BE OMITTED IF SPACE DOES NOT PERMIT PLACEMENT.

*** IF POSTED SPEED IS 45 MPH OR GREATER, PLACE W5-54 SIGN UNDER R4-7 SIGN. MOUNT W5-54 SIGN AT 4' MOUNTING HEIGHT (TOP OF ROADWAY TO BOTTOM OF SIGN).

LEGEND

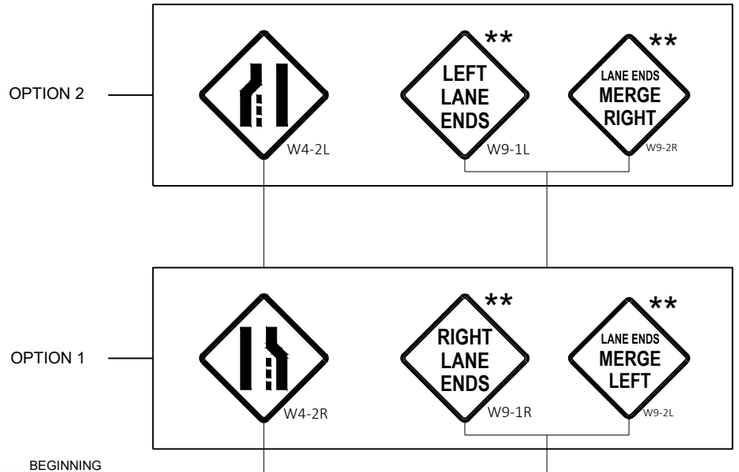
A DISTANCE DEPENDENT ON SPEED (SEE TABLE)

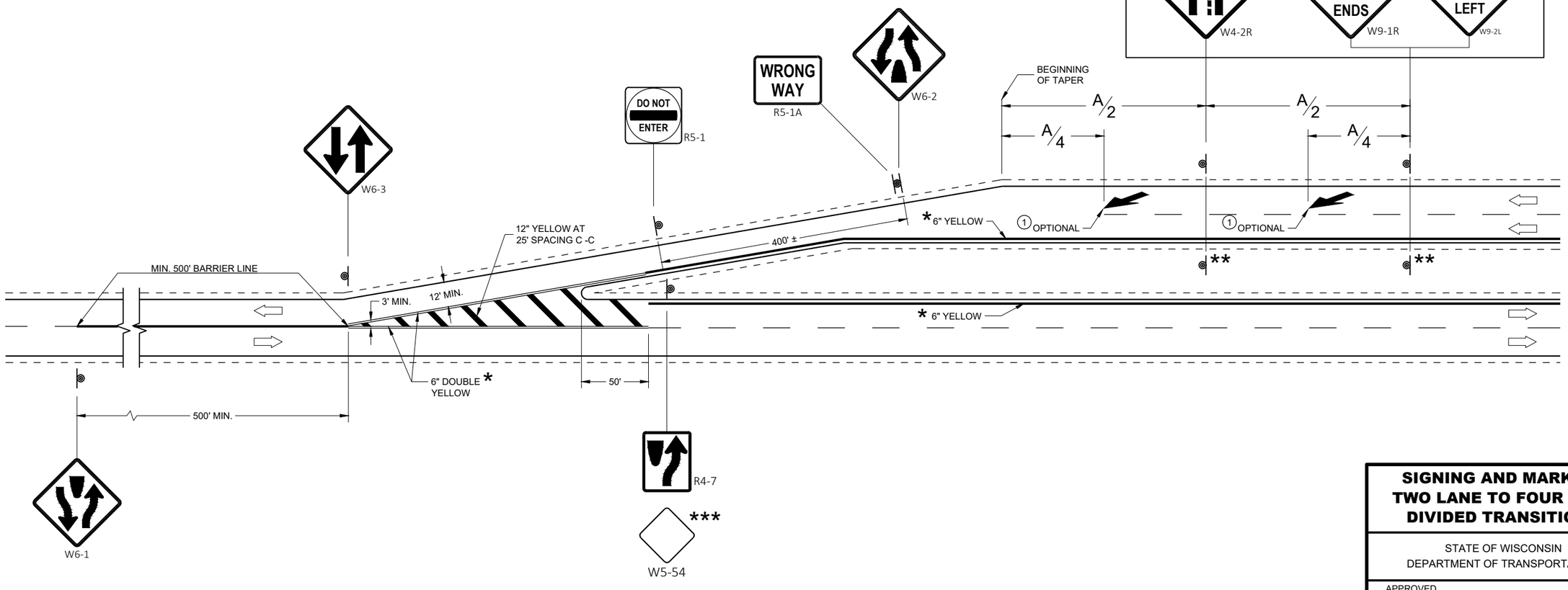
SIGN MOUNTED ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
25	325'
30	460'
35	565'
40	670'
45	775'
50	885'
55	990'
65	1200'
70	1250'





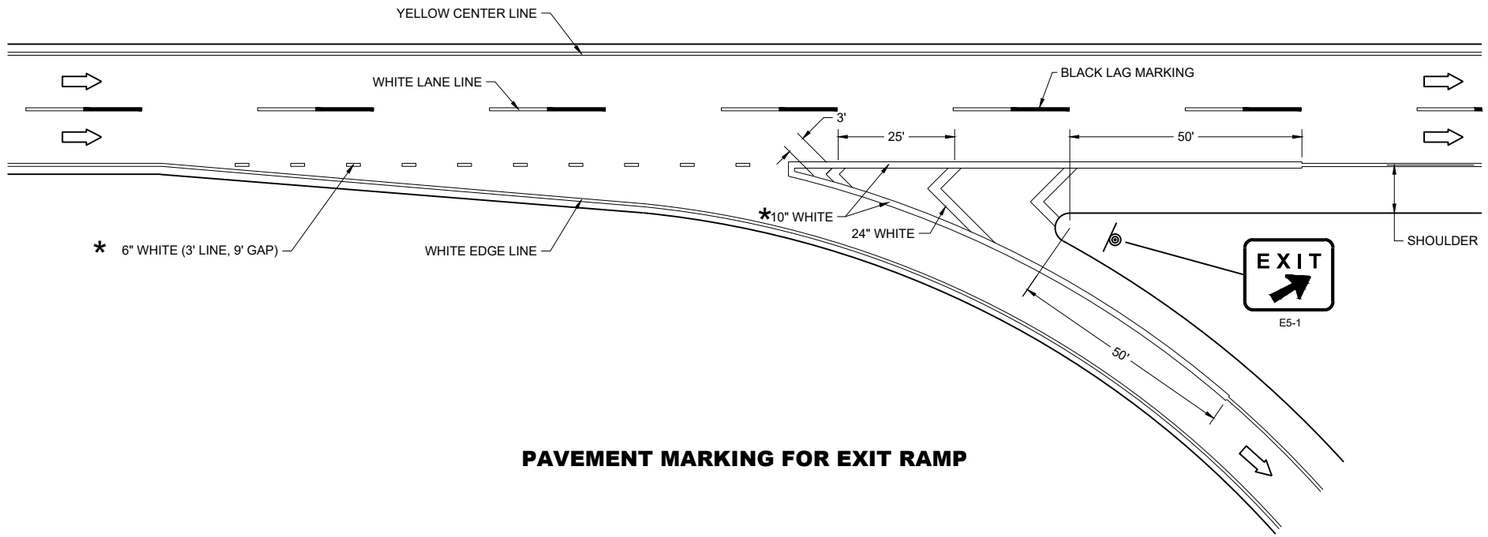
SIGNING AND MARKING TWO LANE TO FOUR LANE DIVIDED TRANSITIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

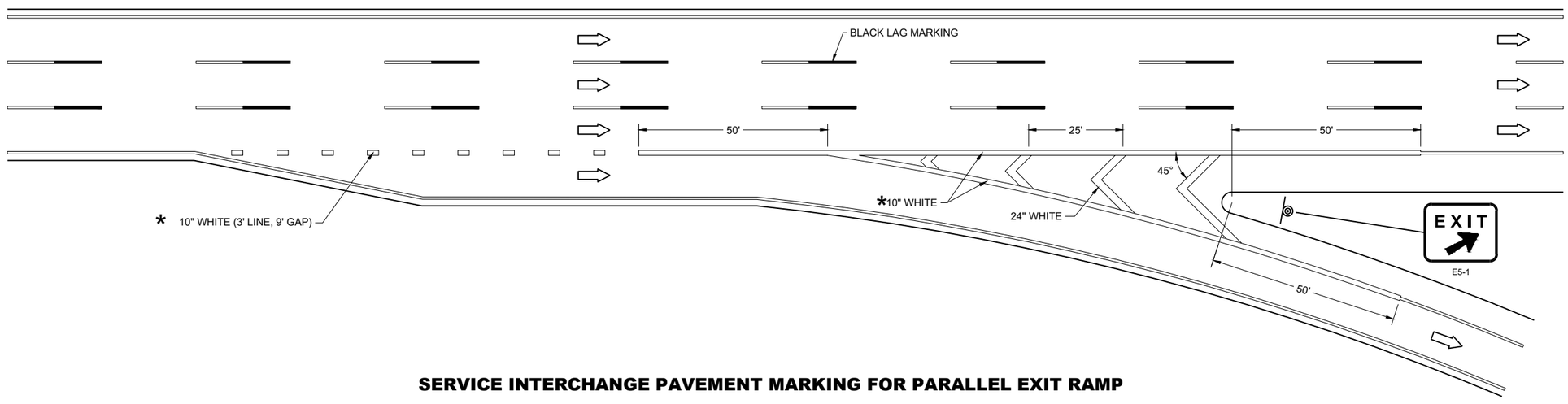
APPROVED
May 2023 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

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SDD 15C21-11



PAVEMENT MARKING FOR EXIT RAMP



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL EXIT RAMP

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING, EXIT RAMP AND PARALLEL EXIT RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15C31-07a

GENERAL NOTES

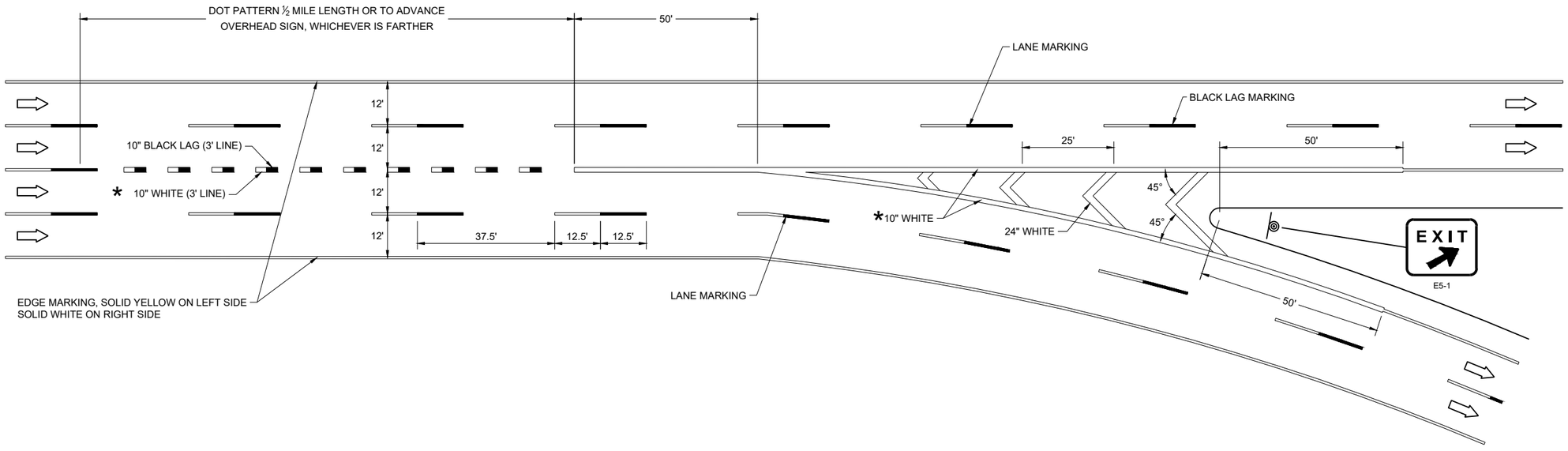
PLACE GROOVE 3 INCHES LEFT OF JOINT.

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



6

SDD 15C31-07b

PAVEMENT MARKING, MAJOR SPLIT FREEWAY TO FREEWAY

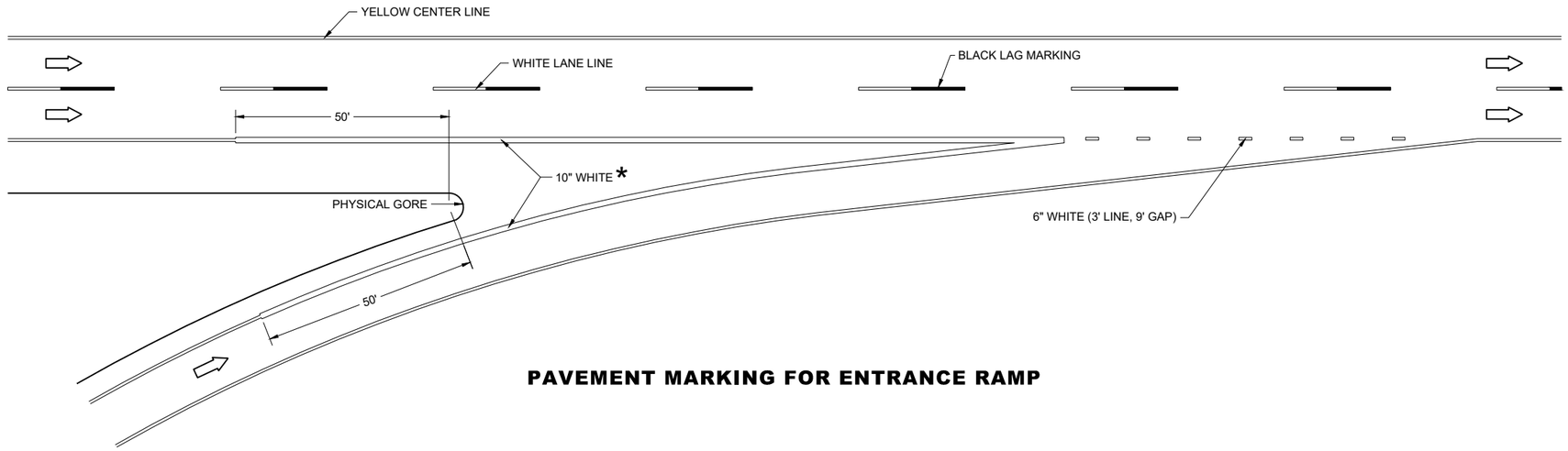
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C31-07b

GENERAL NOTES

PLACE GROOVE 3 INCHES LEFT OF JOINT.

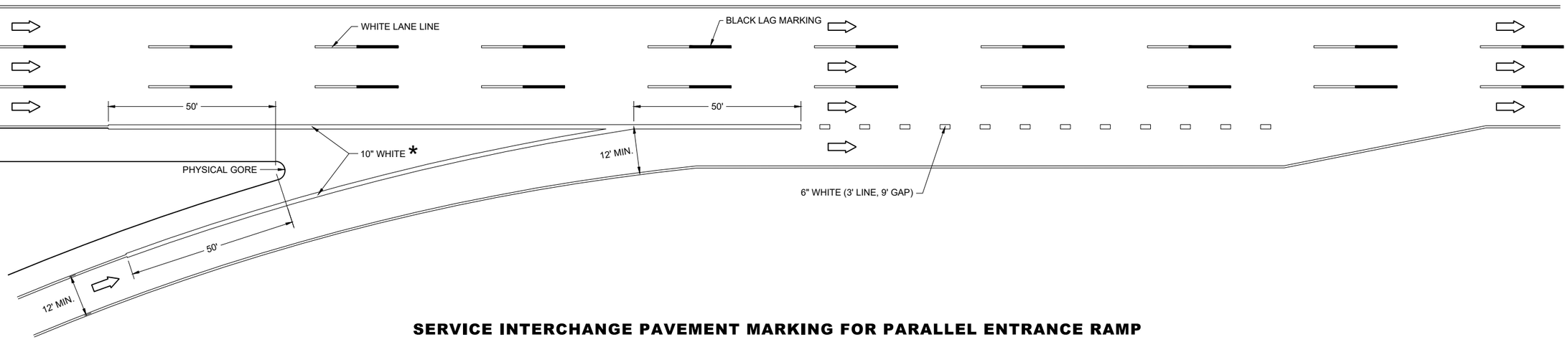


PAVEMENT MARKING FOR ENTRANCE RAMP

LEGEND

DIRECTION OF TRAVEL

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



SERVICE INTERCHANGE PAVEMENT MARKING FOR PARALLEL ENTRANCE RAMP

6

SDD 15C31-07c

PAVEMENT MARKING, ENTRANCE RAMP AND PARALLEL ENTRANCE RAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

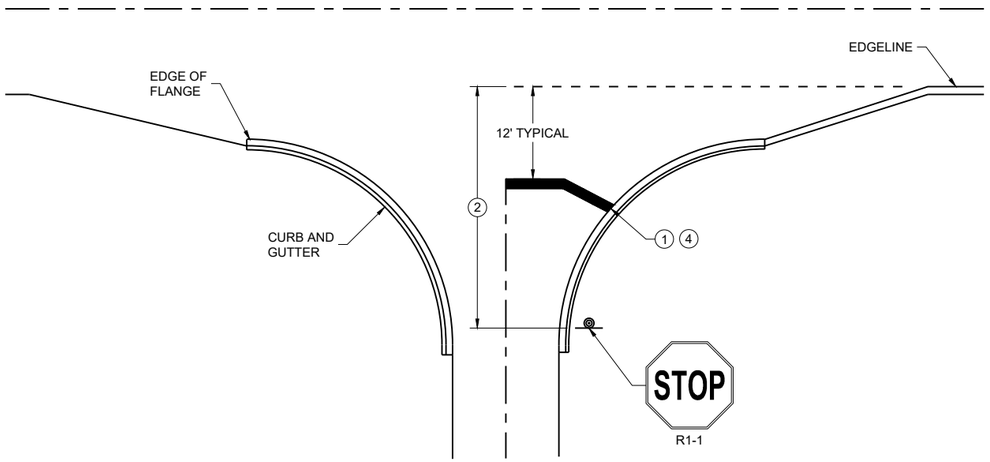
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SDD 15C31-07c

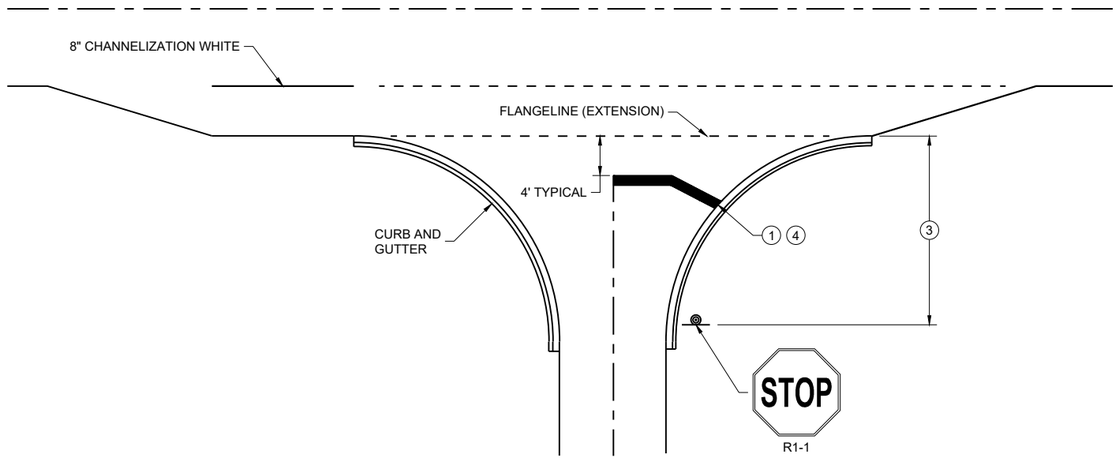
GENERAL NOTES

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

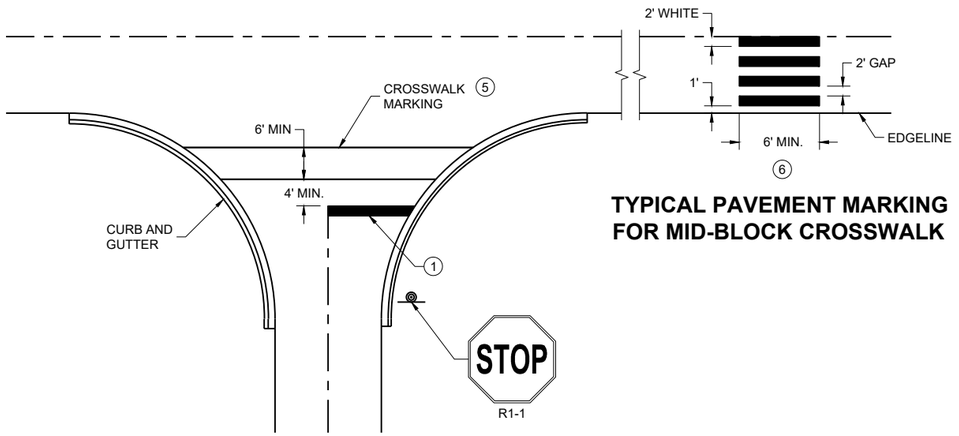
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE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



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

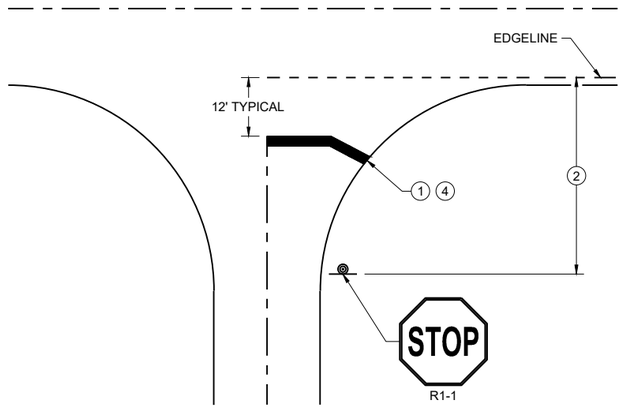


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD 15C33-05

6

SDD 15C33-05

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

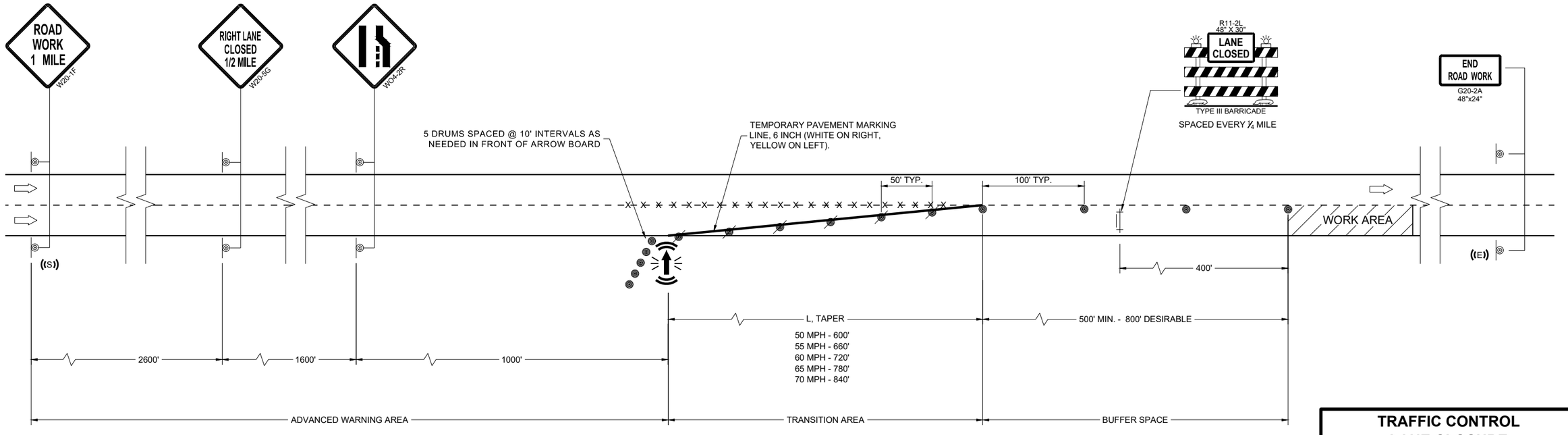
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TRAFFIC CONTROL
LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 15D12-14a

6

SDD 15D12-14a

GENERAL NOTES

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

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CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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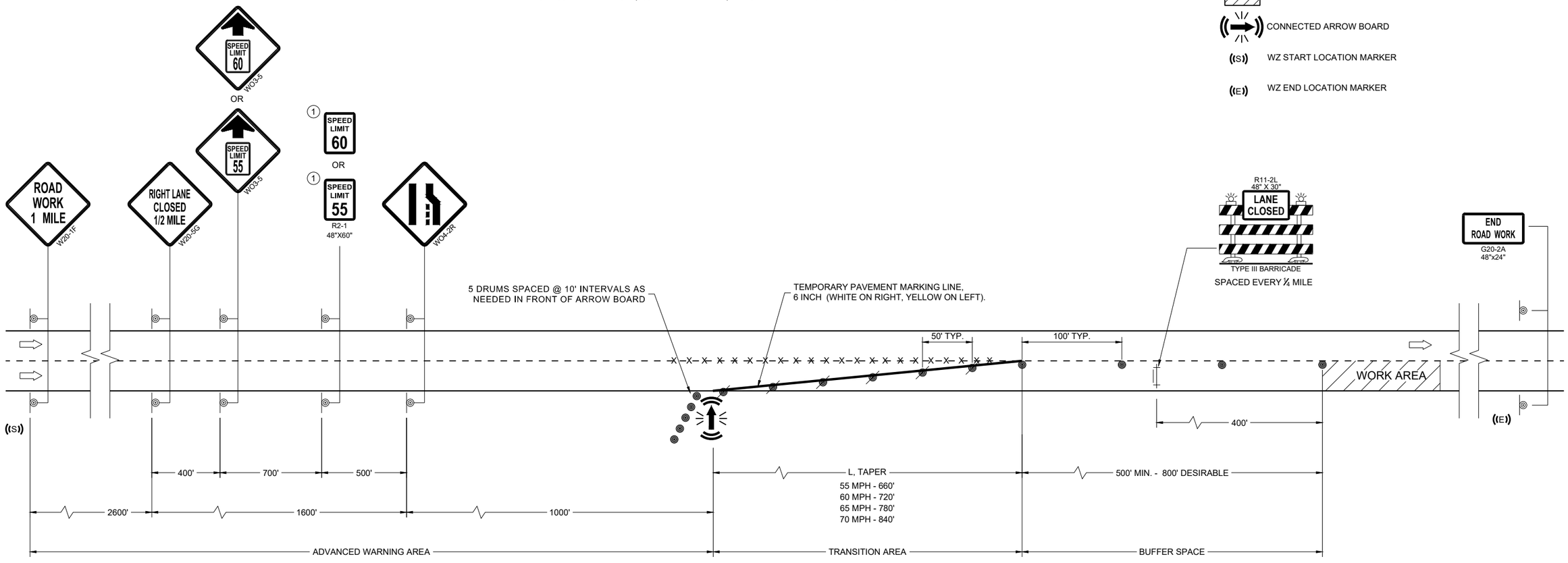
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(1) A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6 SDD 15D12-14b

6 SDD 15D12-14b

LEGEND

- SIGN ON PERMANENT SUPPORT
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- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER
- CONNECTED ARROW BOARD
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- (S) — PORTABLE TRAFFIC SENSOR (PTS)
- FBS — FLASHING BEACON SIGNS

STOPPED OR SLOW TRAFFIC WHEN FLASHING
WO8-76
96" x 48"

GENERAL NOTES

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

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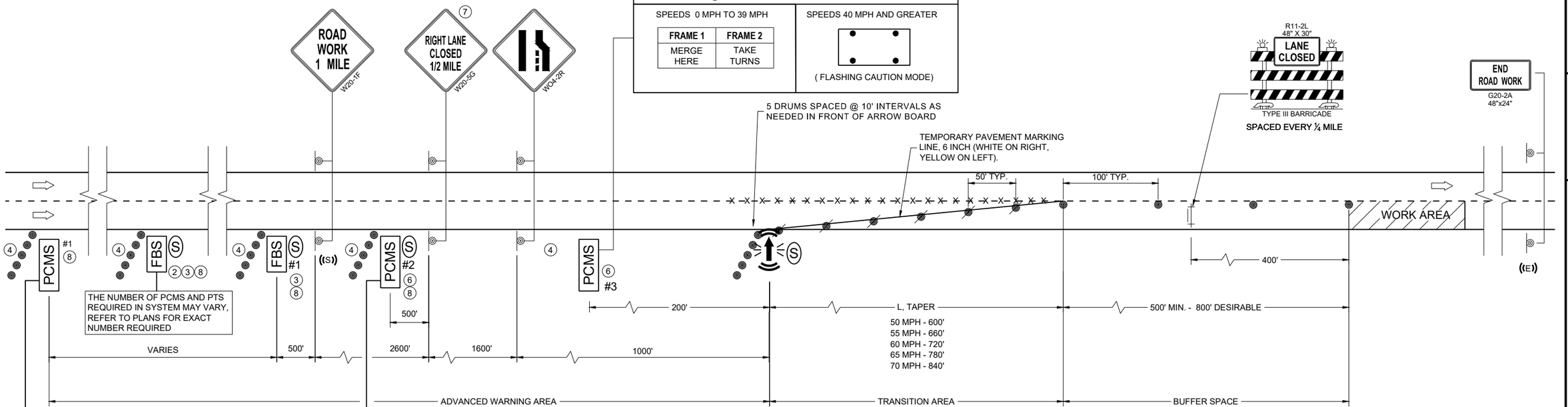
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CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

PORTABLE TRAFFIC SENSOR (PTS) MAY BE MOUNTED ON PCMS, FBS, ARROW BOARD OR OTHER TRAILER DEVICES.

1. IF THERE ARE MORE THAN TWO LANES, CHANGE FRAME 2 OF THE PCMS TO STATE "USE ALL LANES".
2. PLACE FLASHING BEACON SIGNS EVERY ONE MILE BETWEEN PCMS #1 AND FBS #1. THE NUMBER OF FBS MAY BE MORE THAN SHOWN ON THIS DETAIL.
3. FOR THREE LANE CONFIGURATION, PLACE FBS ON BOTH SIDES OF ROADWAY. CHANGE PCMS #1 FRAME 2 MESSAGE TO "USE ALL LANES".
4. 5 DRUMS SPACED @ 10' INTERVALS AS NEEDED.
5. PCMS SHALL FOLLOW ARROW BOARD STANDARDS WHEN DISPLAYING FLASHING FOUR CORNER CAUTION MODE.
6. TO REMOVE OBSTRUCTION OF THE ARROW BOARD BY THE PCMS, OFFSET THE PCMS AS NEEDED FROM THE EDGE LINE
7. IF THERE IS AN APPROVED TEMPORARY SPEED DECLARATION, ADD WO-3-5 SIGNS 400 FEET AFTER THE W20-5G SIGNS AND ADD R2-1 SIGNS (48"x60") 700 FEET AFTER THE WO3-5 SIGNS. A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A "RESUME SPEED LIMIT" SIGN 200 FEET MINIMUM (800 FEET DESIRABLE) BEYOND THE G30-3A "END ROAD WORK" SIGN.
8. IF THERE ARE MORE THAN TWO LANES OR IF SPECIFIED IN THE PLANS, PLACE PCMS AND FBS ON THE SAME SIDE OF THE ROADWAY.



TRAFFIC CONTROL, DYNAMIC LATE MERGE SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Erin Schwark — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6
SDD 15D12-14c

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER
- CONNECTED ARROW BOARD
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- (S) — PORTABLE TRAFFIC SENSOR (PTS)
- FBS — FLASHING BEACON SIGNS

STOPPED OR SLOW TRAFFIC WHEN FLASHING
WO8-76
96" x 48"

GENERAL NOTES

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FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS. WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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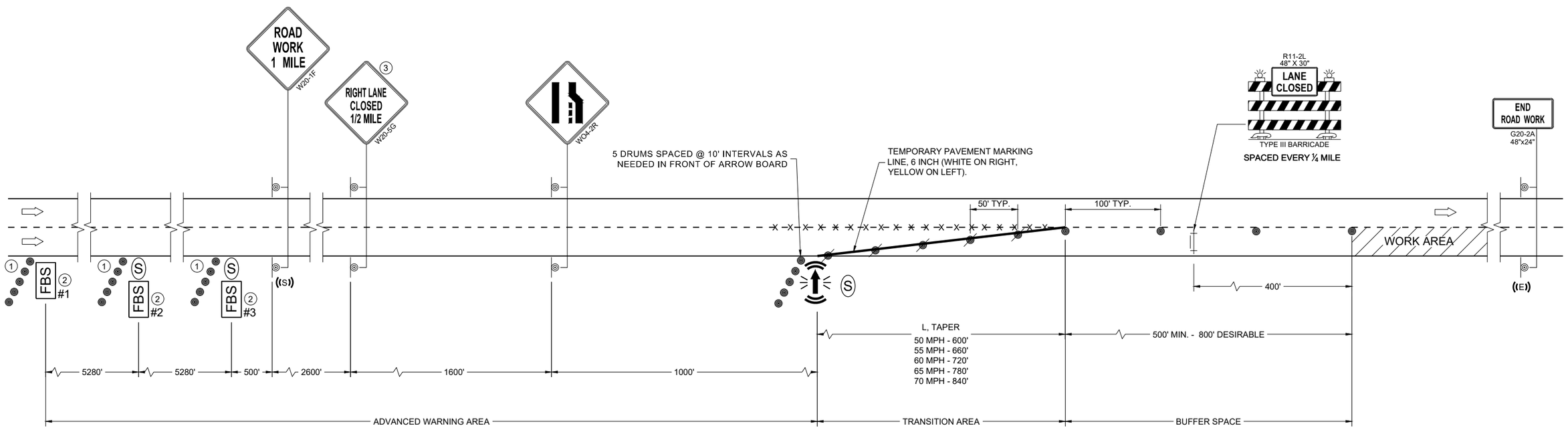
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PORTABLE TRAFFIC SENSOR (PTS) MAY BE MOUNTED ON THE FBS, ARROW BOARD OR OTHER TRAILER DEVICES.

(1) 5 DRUMS SPACED AT 10 FOOT INTERVALS AS NEEDED.

(2) IF THERE ARE MORE THAN TWO LANES OR IF SPECIFIED IN THE PLANS, PLACE FBS ON BOTH SIDES OF THE ROADWAY.

(3) IF THERE IS AN APPROVED TEMPORARY SPEED DECLARATION, ADD WO-3-5 SIGNS 400 FEET AFTER THE W20-5G SIGNS AND ADD R2-1 SIGNS (48"x60") 700 FEET AFTER THE WO3-5 SIGNS. A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A "RESUME SPEED LIMIT" SIGN 200 FEET MINIMUM (800 FEET DESIRABLE) BEYOND THE G30-3A "END ROAD WORK" SIGN.



TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Erin Schwark — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6 SDD 15D12-14d

6 SDD 15D12-14d

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- (S) — PORTABLE TRAFFIC SENSOR (PTS)
- (S) — WZ START LOCATION MARKER
- (E) — WZ END LOCATION MARKER

GENERAL NOTES

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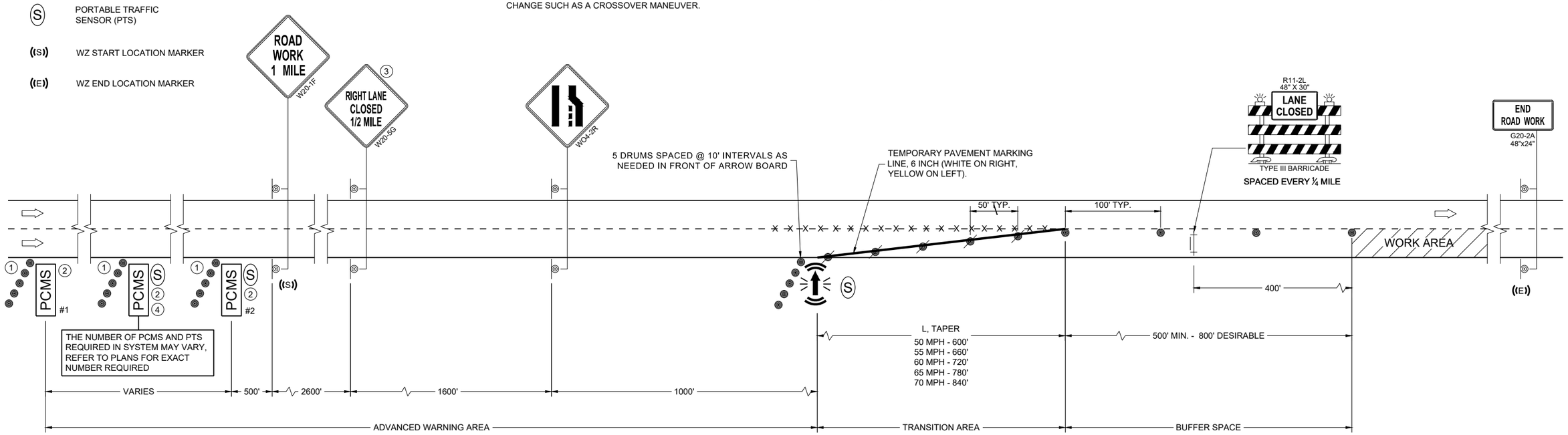
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PORTABLE TRAFFIC SENSOR (PTS) MAY BE MOUNTED ON PCMS, ARROW BOARD OR OTHER TRAILER DEVICES.

1. 5 DRUMS SPACED AT 10 FOOT INTERVALS AS NEEDED.
2. IF THERE ARE MORE THAN TWO LANES OR IF SPECIFIED IN THE PLANS, PLACE PCMS ON BOTH SIDES OF THE ROADWAY.
3. IF THERE IS AN APPROVED TEMPORARY SPEED DECLARATION, ADD WO-3-5 SIGNS 400 FEET AFTER THE W20-5G SIGNS AND ADD R2-1 SIGNS (48"x60") 700 FEET AFTER THE WO3-5 SIGNS. A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A "RESUME SPEED LIMIT" SIGN 200 FEET MINIMUM (800 FEET DESIRABLE) BEYOND THE G30-3A "END ROAD WORK" SIGN.
4. PLACE PCMS EVERY ONE MILE BETWEEN PCMS #1 AND PCMS #2, OR AS THE ENGINEER DIRECTS. THE NUMBER OF PCMS MAY BE MORE THAN SHOWN ON THIS DETAIL.
5. PCMS SHALL FOLLOW ARROW BOARD STANDARDS WHEN DISPLAYING FLASHING FOUR CORNER CAUTION MODE OR ARROW MERGE MODE.



⑤ PCMS MESSAGING

SPEEDS 0 MPH TO 19 MPH		SPEEDS 20 MPH TO 39 MPH		SPEEDS 40 MPH AND GREATER
FRAME 1	FRAME 2	FRAME 1	FRAME 2	
STOPPED TRAFFIC AHEAD	EXPECT DELAYS	SLOW TRAFFIC AHEAD	PREPARE TO STOP	(FLASHING CAUTION MODE)

TRAFFIC CONTROL, LANE CLOSURE, TRAFFIC QUEUE WARNING SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Erin Schwark — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 15D12-14e

6

SDD 15D12-14e

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER
- TEMPORARY TAPE RUMBLE STRIPS (VARIABLE SPACING)
- PORTABLE TRAFFIC SENSOR (PTS)

GENERAL NOTES

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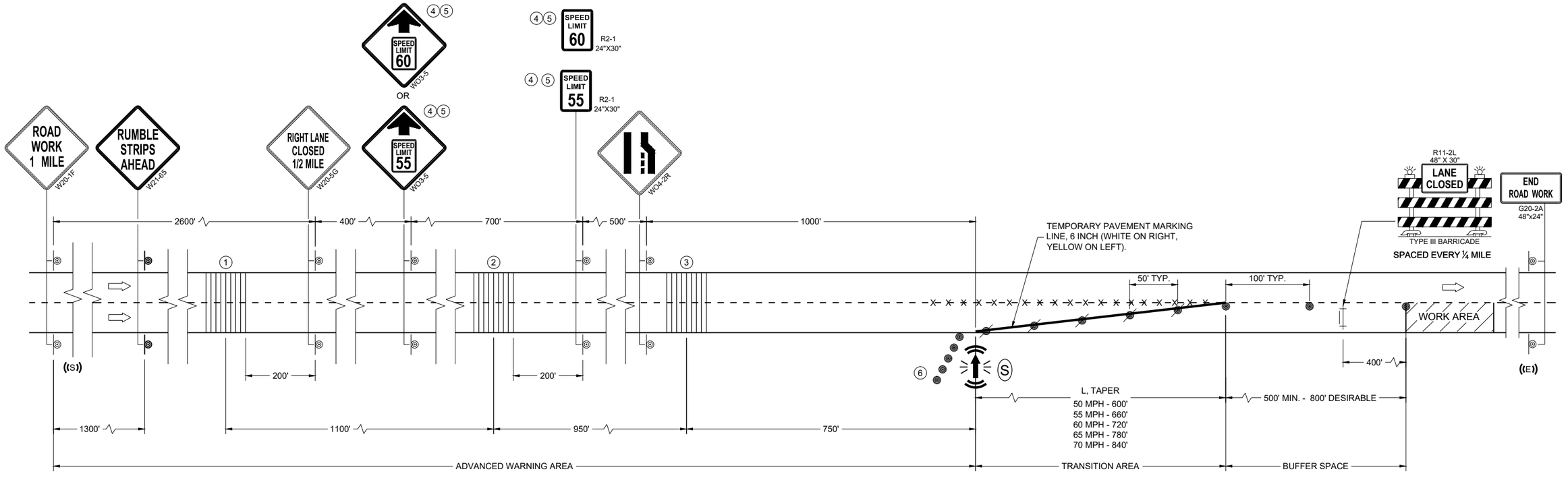
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CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

USE THIS DETAIL FOR PLACEMENT OF TEMPORARY TAPE RUMBLE STRIPS AND W21-65 SIGNS. SEE APPROPRIATE LANE CLOSURE SDD FOR DETAILS OF OTHER TRAFFIC CONTROL DEVICES AND SIGNS.

1. NINE RUMBLE STRIPS WITH 10 FOOT SPACING BETWEEN EACH INDIVIDUAL STRIP.
2. NINE RUMBLE STRIPS WITH 5 FOOT SPACING BETWEEN EACH INDIVIDUAL STRIP.
3. NINE RUMBLE STRIPS WITH 1.5 FOOT SPACING BETWEEN EACH INDIVIDUAL STRIP.
4. COVER OR REMOVE PER APPROVED TEMPORARY SPEED DECLARATION.
5. IF NO APPROVED SPEED DECLARATION, OMIT SIGNS.
6. 5 DRUMS SPACED AT 10 FOOT INTERVALS AS NEEDED.



TRAFFIC CONTROL, LANE CLOSURE, WITH TEMPORARY TAPE RUMBLE STRIPS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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SDD 15D12-14f

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

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

IF THE SPEED LIMIT WILL CHANGE BASED ON THE PRESENCE OF WORKERS, USE THE TAPER LENGTH THAT MATCHES THE HIGHER OF THE TWO SPEEDS FOR A CONTINUOUS LANE CLOSURE.

(1) EXISTING POST MOUNTED SPEED LIMIT SIGNS SHOULD BE COVERED OR REMOVED.

(2) PLACE DSLT IN ADVANCE WARNING AREA AND THROUGHOUT PROJECT LIMITS. IF THE LANE CLOSURE MOVES DOWNSTREAM, LEAVE DSLT IN PLACE.

(3) AT EXISTING POST MOUNTED SPEED LIMIT SIGN AFTER THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. IF THERE IS NOT AN EXISTING SIGN, PLACE 1,500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP

(4) IF WORK AREA STARTS LESS THAN 1,000 FEET FROM END OF LANE CLOSURE TAPER, OMIT DIGITAL SPEED LIMIT TRAILER AT THAT LOCATION.

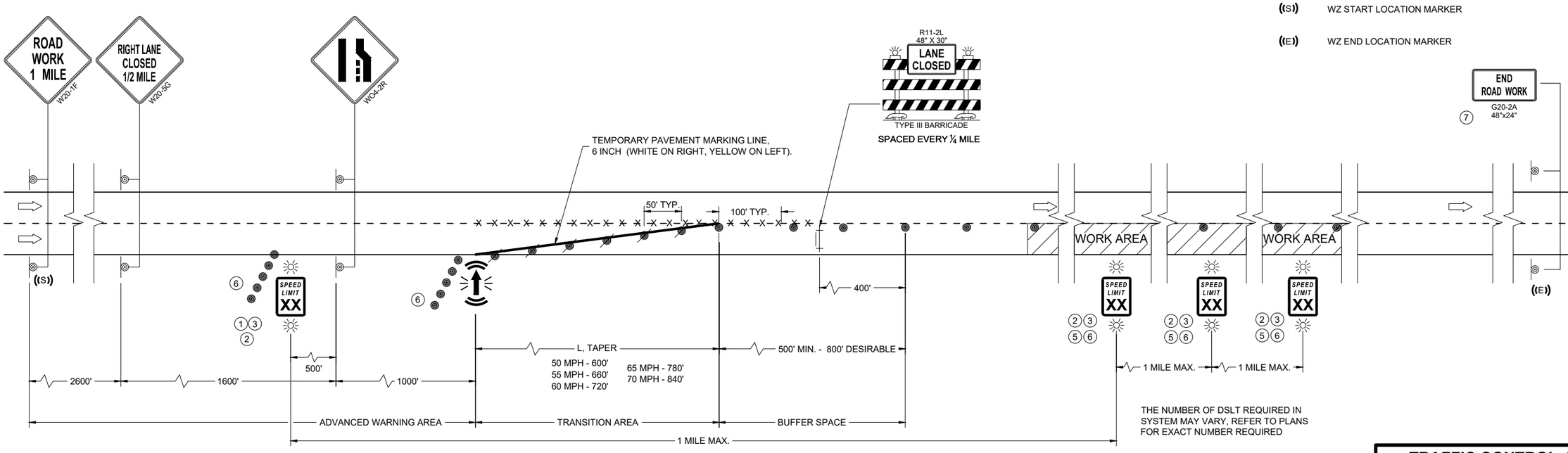
(5) PLACE A DIGITAL SPEED LIMIT TRAILER A MINIMUM OF EVERY ONE MILE. MODIFY PLACEMENT AS DIRECTED BY ENGINEER WHEN DIGITAL SPEED LIMIT TRAILER IS LOCATED IN CLOSE PROXIMITY TO AN ACCELERATION LANE OF AN ENTRANCE RAMP.

(6) 5 DRUMS SPACED @ 10' INTERVALS AS NEEDED.

(7) INCLUDE NON-DIGITAL R2-1 RESUME SPEED LIMIT SIGNS 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END ROAD WORK" SIGN.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- DIGITAL SPEED LIMIT TRAILER (DSLT)
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER



TRAFFIC CONTROL, LANE CLOSURE, DIGITAL SPEED REDUCTION SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6 SDD 15D12-14g

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

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.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

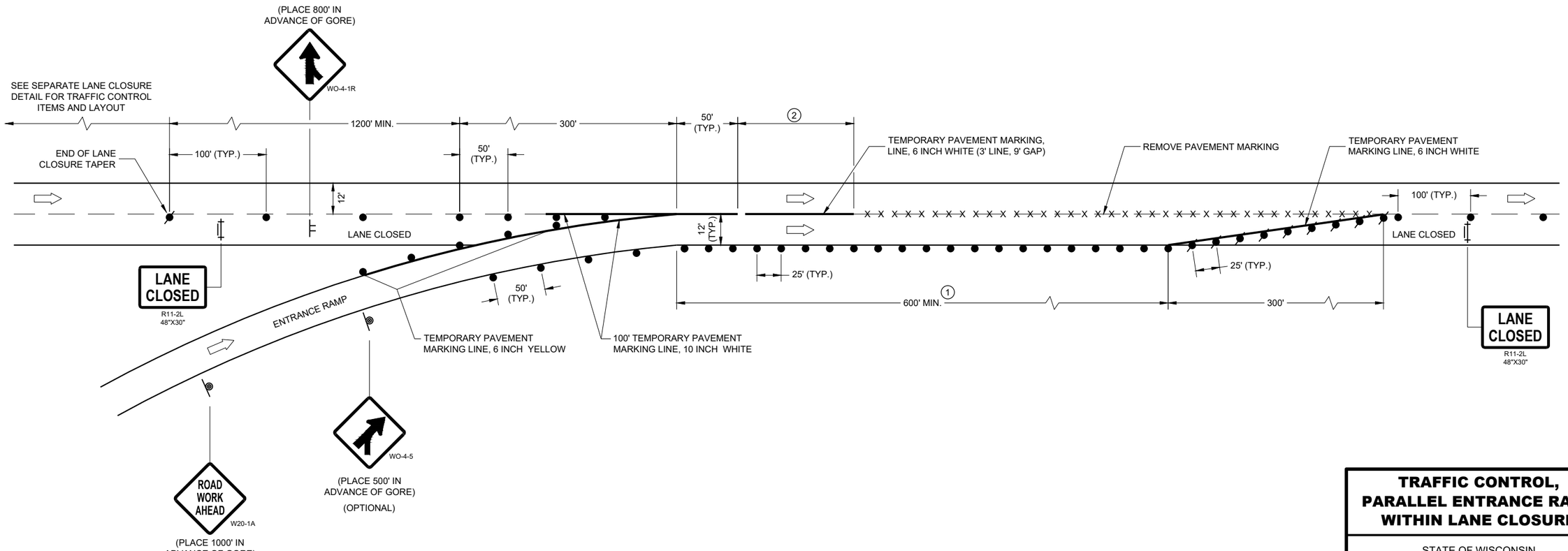
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REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

(1) EXTEND THE LENGTH OF THE MERGE ARE IF THE ENTERING (DESIGN) SPEED IS LESS THAN 50MPH OR IF THE MAINLINE GRADE EXCEEDS ±2.2%.

(2) END TEMPORARY PAVEMENT MARKING LINE AT ½ THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.



TRAFFIC CONTROL, PARALLEL ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D15-07a

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

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.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

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

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS /OR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

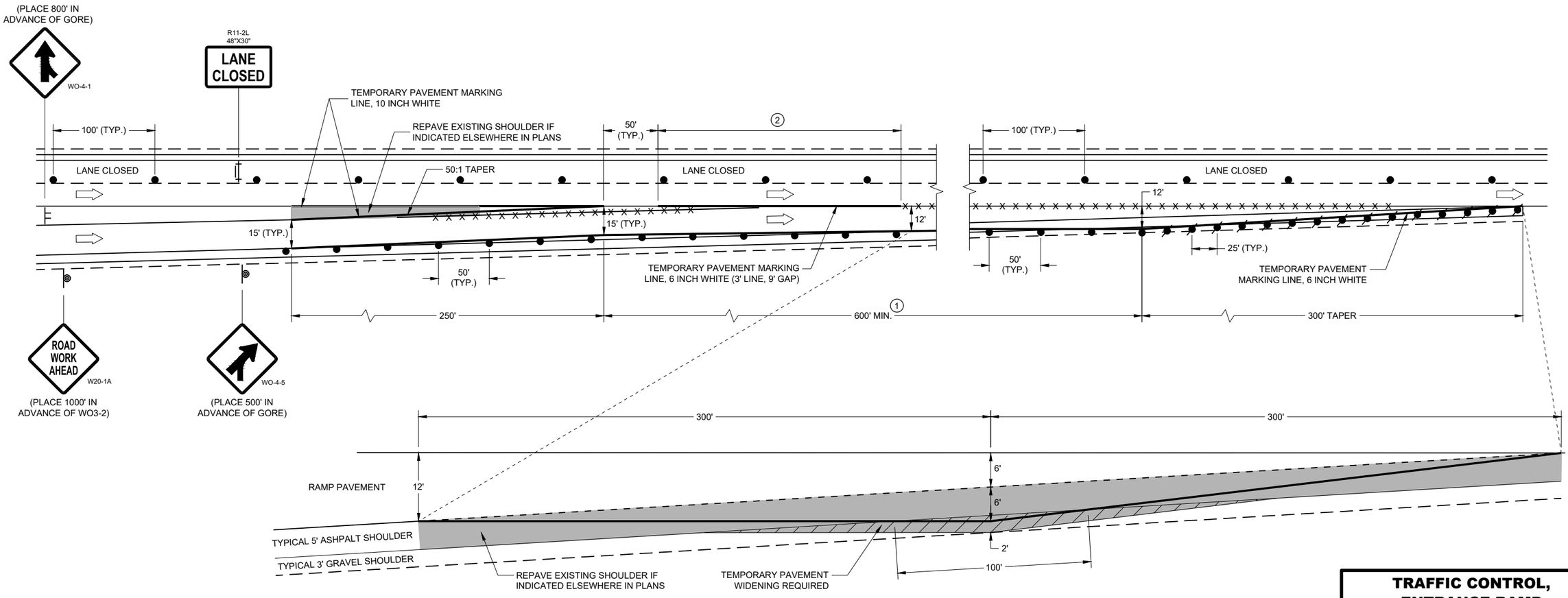
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WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) EXTEND THE LENGTH OF THE MERGE AREA IF THE ENTERING (DESIGN) SPEED OF THE RAMP IS LESS THAN 50 MPH OR IF THE MAINLINE GRADE EXCEEDS ±2.2%.

(2) END TEMPORARY PAVEMENT MARKING LINE AT ½ THE LENGTH OF FULL WIDTH OF THE ACCELERATION LANE.



TEMPORARY PAVEMENT DETAIL

(EXISTING RAMP DIMENSIONS MAY VARY, ADJUST TEMPORARY PAVEMENT ACCORDINGLY)

TRAFFIC CONTROL, ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE 844
FHWA

6

SDD 15D15-07b

6

SDD 15D15-07b

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

TYPE III BARRICADE WITH ATTACHED SIGN

FLAGS, 16" X 16" MIN., ORANGE

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

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.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONSECUTIVE DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS. USE SUPPORTS THAT PROVIDE A MINIMUM OF 5 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT.

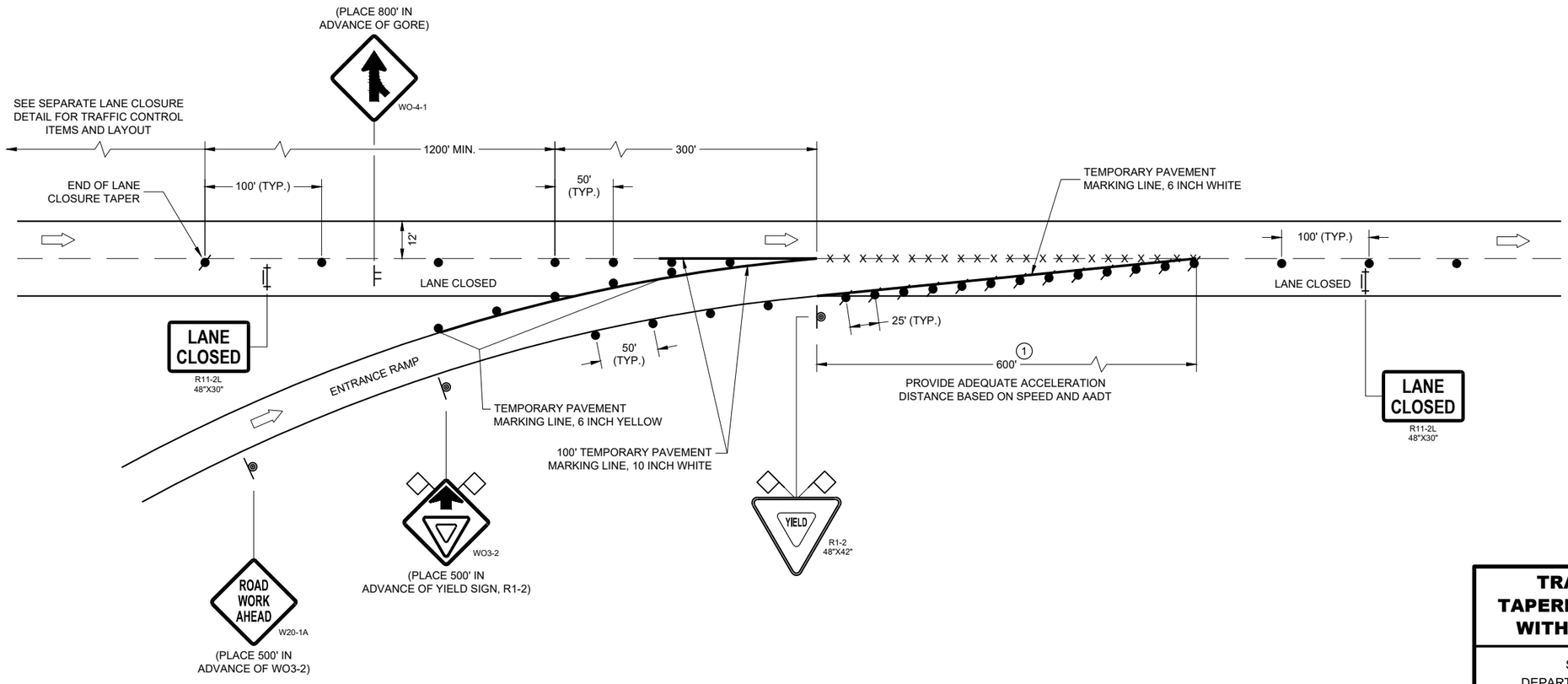
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REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

(1) CONSULT WITH REGIONAL WORK ZONE ENGINEER IF NEED TO REDUCE LENGTH EXISTS.



TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

845

FHWA

6

SDD 15D15-07c

6

SDD 15D15-07c

LEGEND

SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT

TYPE III BARRICADE WITH ATTACHED SIGN

FLAGS, 16" X 16" MIN., ORANGE

DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

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

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

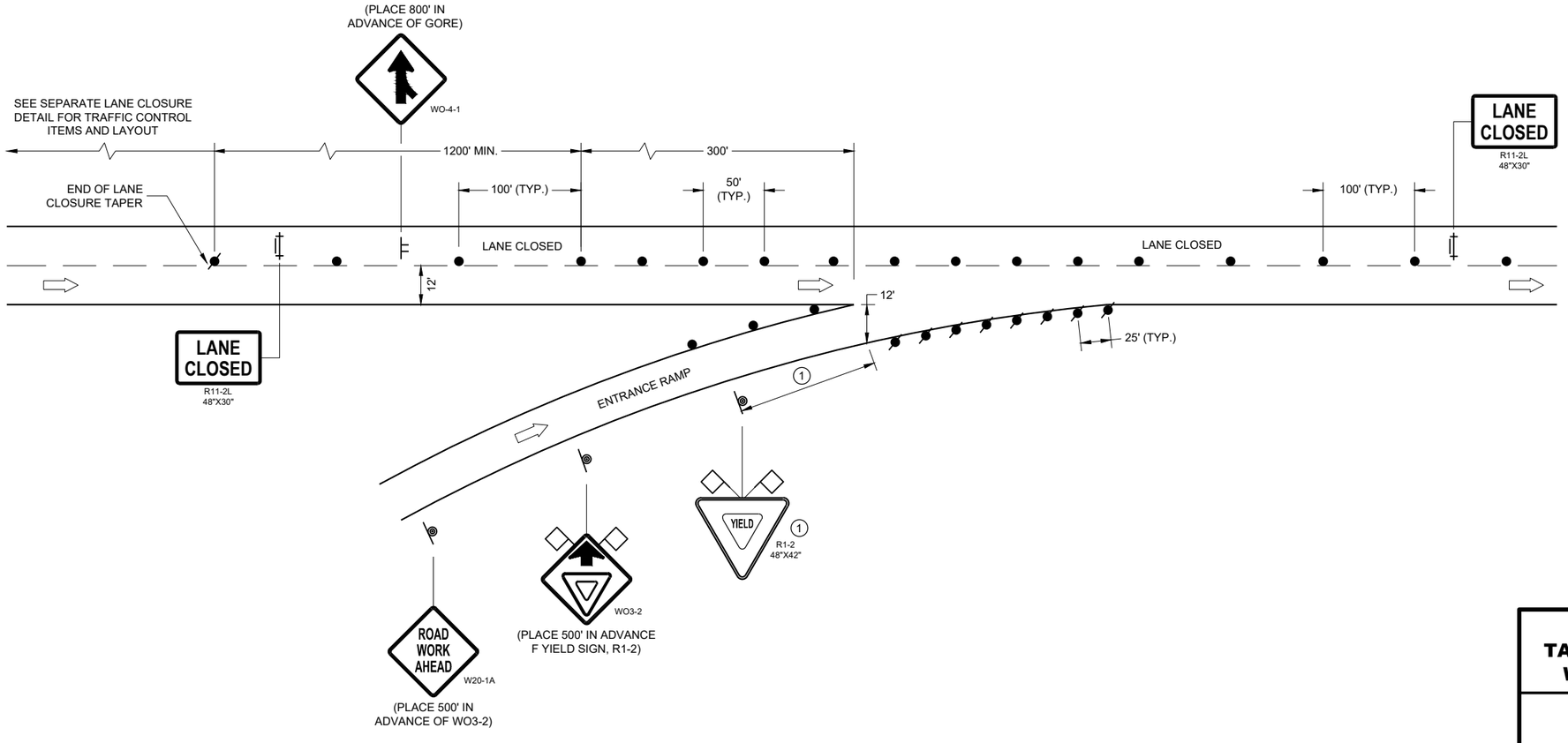
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IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

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

(1) PLACE YIELD SIGN TO PROVIDE ADEQUATE SIGHT DISTANCE AND ACCELERATION DISTANCE.



TRAFFIC CONTROL, TAPERED ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D15-07d

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

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.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

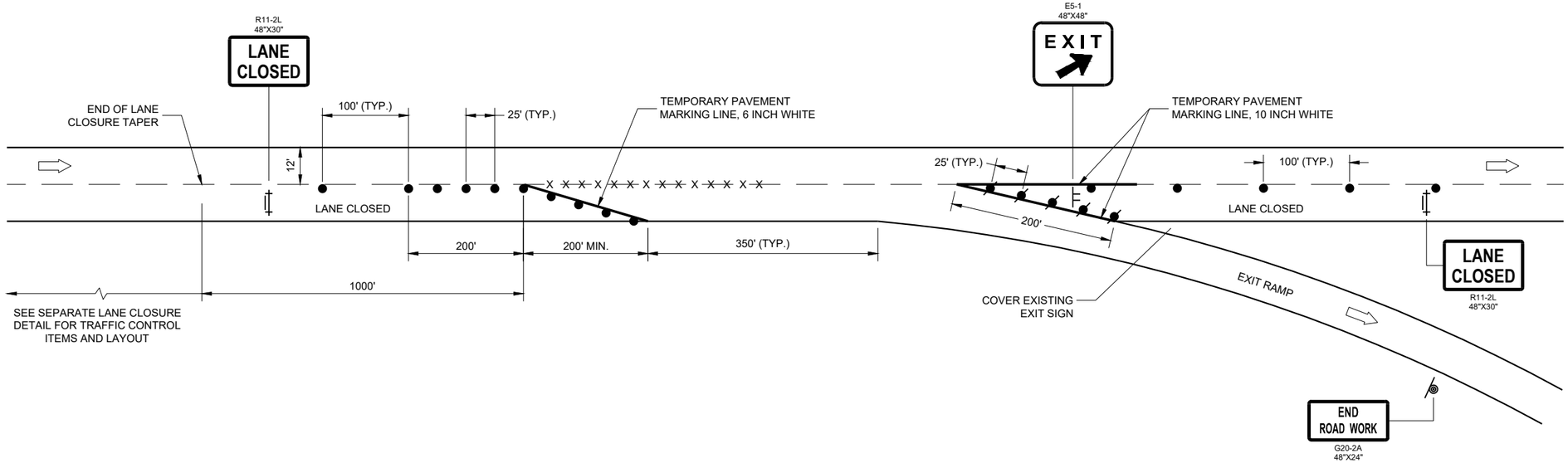
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IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE EXIT RAMP AND MAINLINE TRAFFIC.

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.

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

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



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SDD 15D15-07e

TRAFFIC CONTROL, PARALLEL EXIT RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D15-07e

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

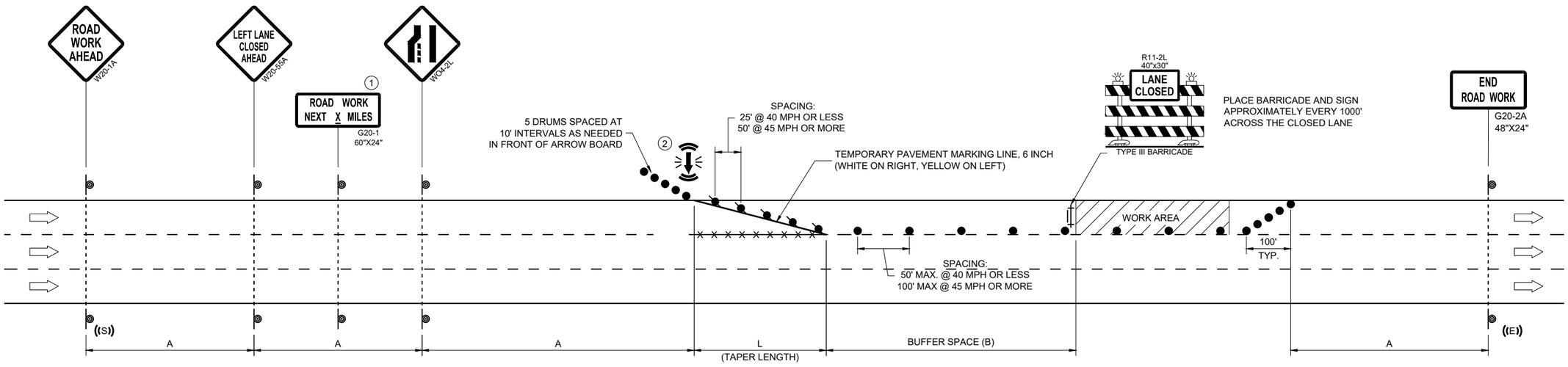
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

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

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



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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D20-09a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

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

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

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

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

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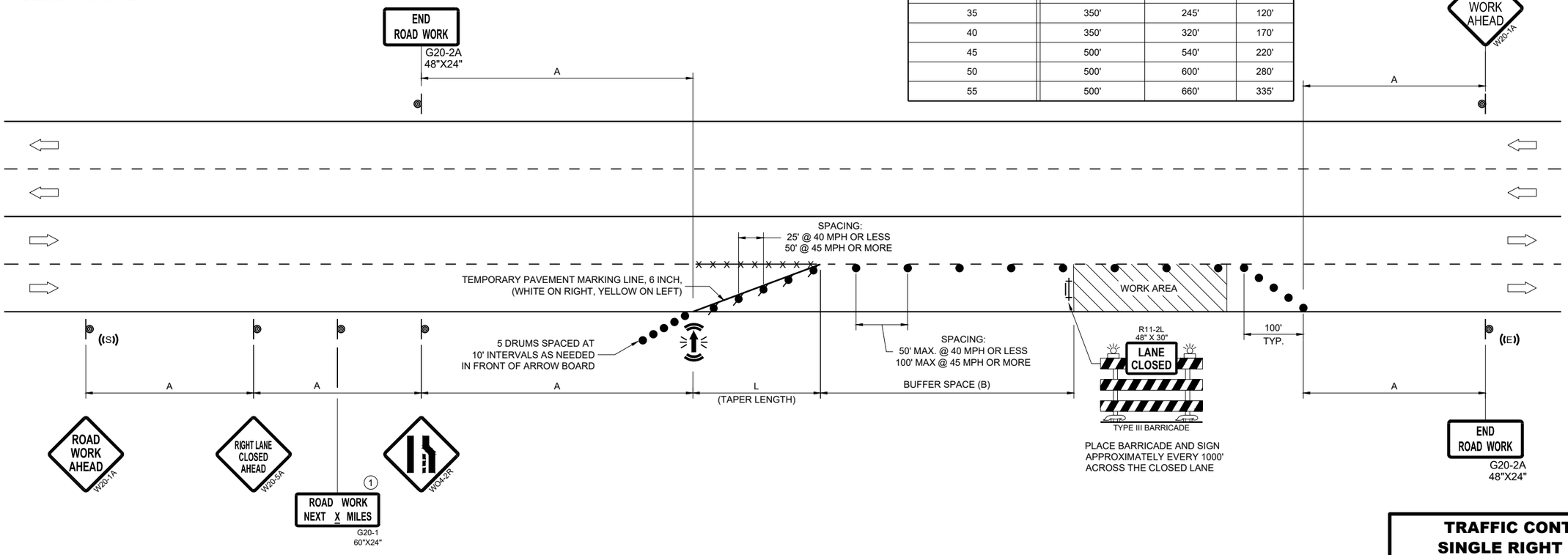
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CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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

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



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

November 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D20-09b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

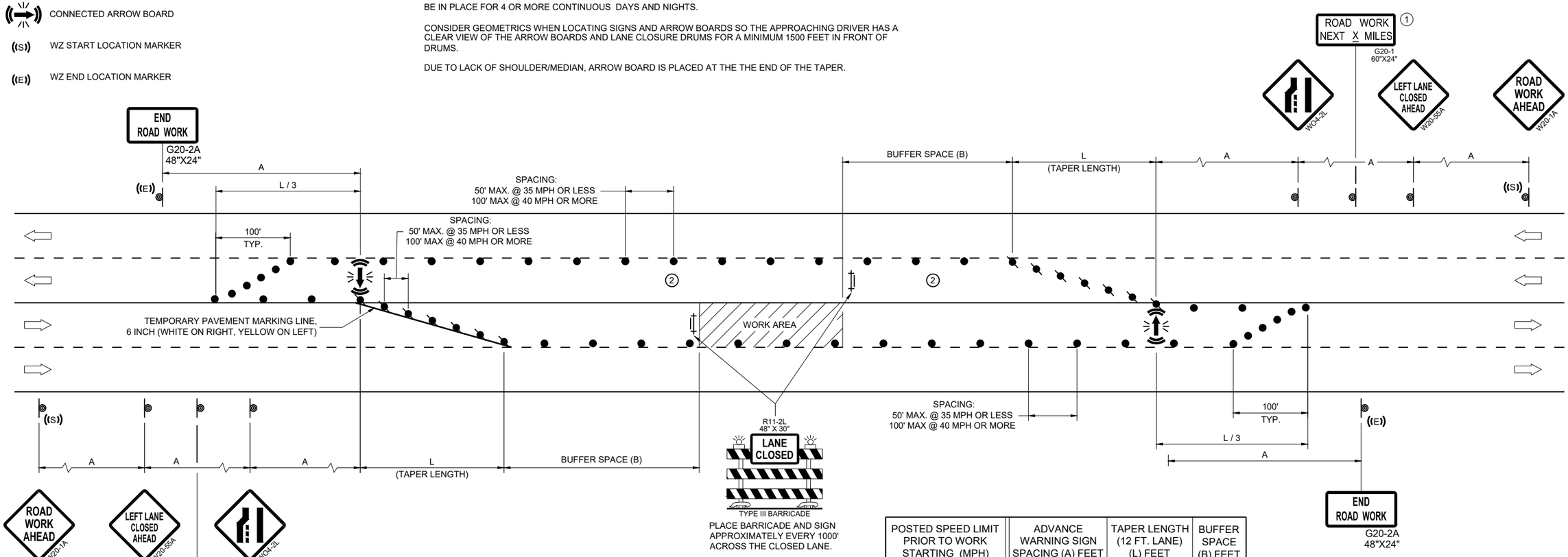
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CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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

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



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
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35	350'	245'	120'
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TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

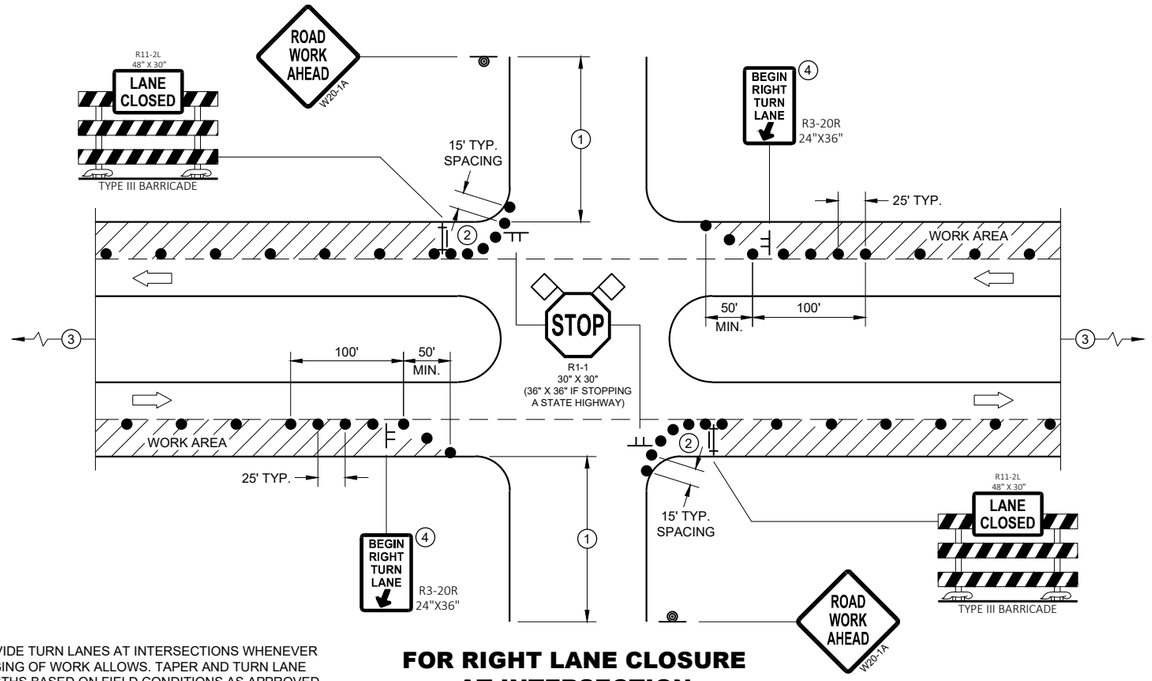
APPROVED

November 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D20-09c



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

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

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

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

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

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

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

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

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

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

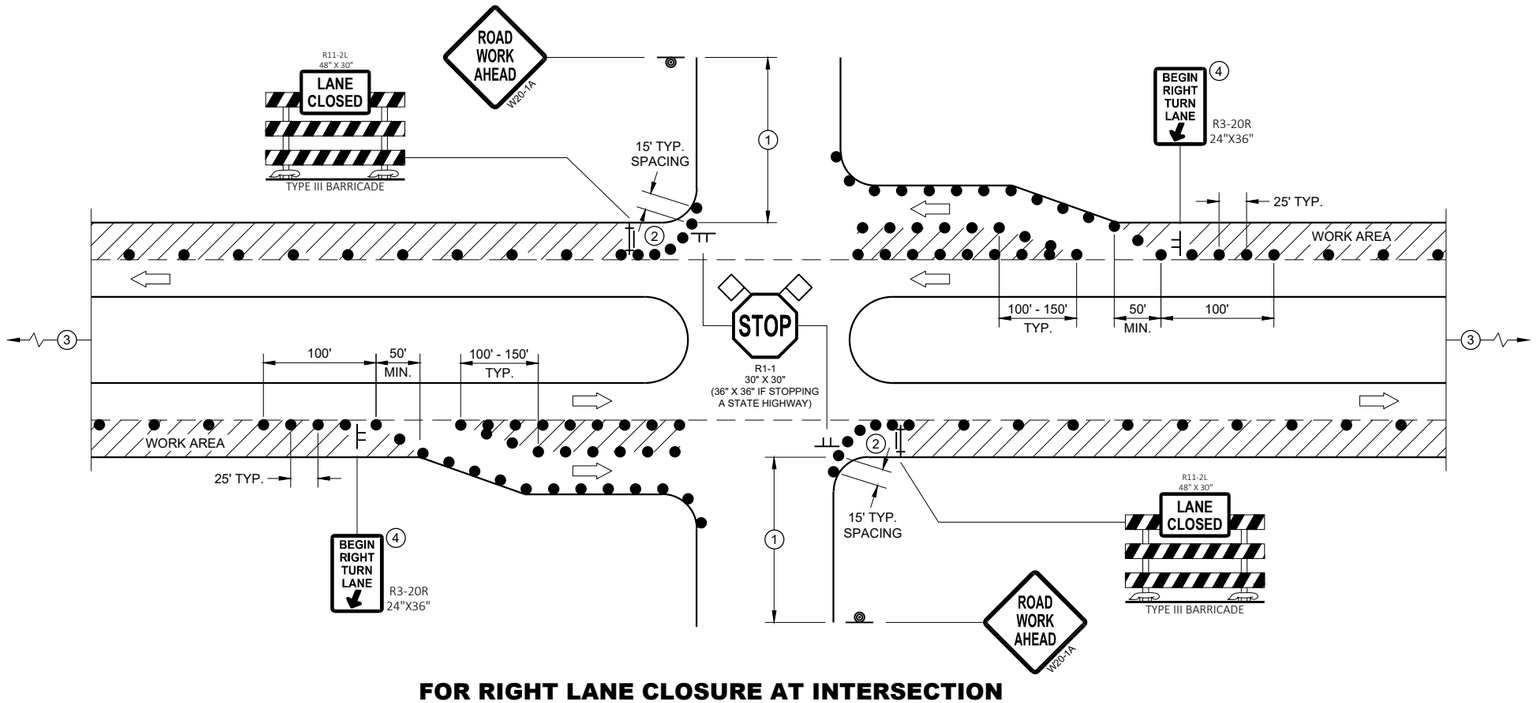
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(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

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

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

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



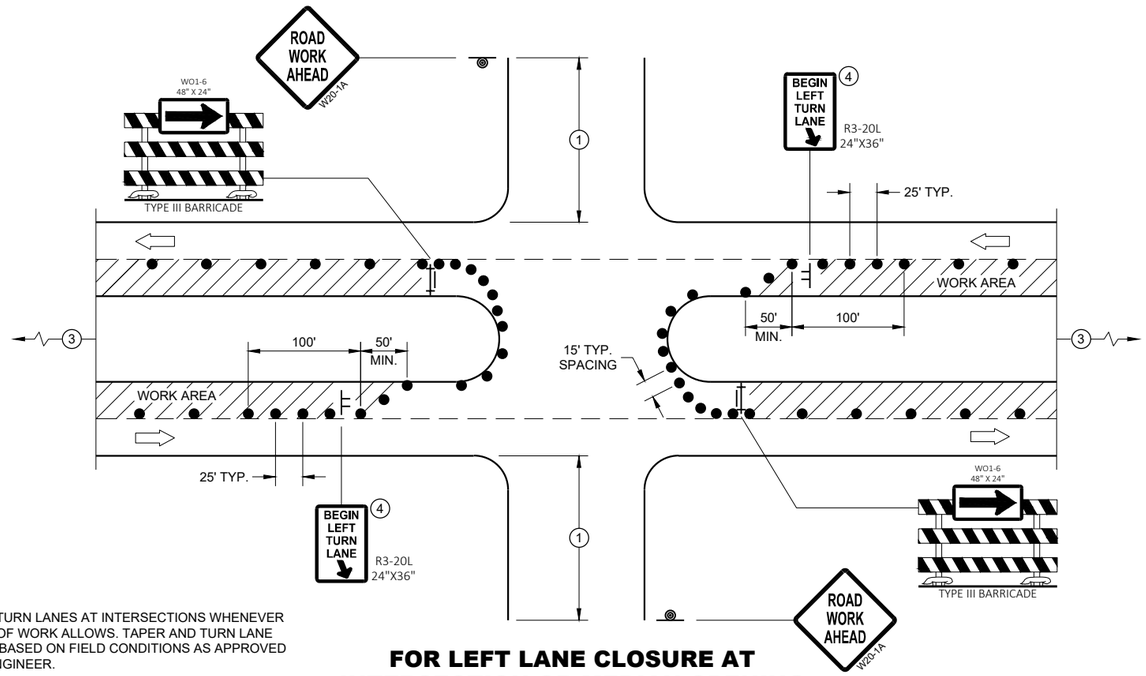
FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

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

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



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

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

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

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

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

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

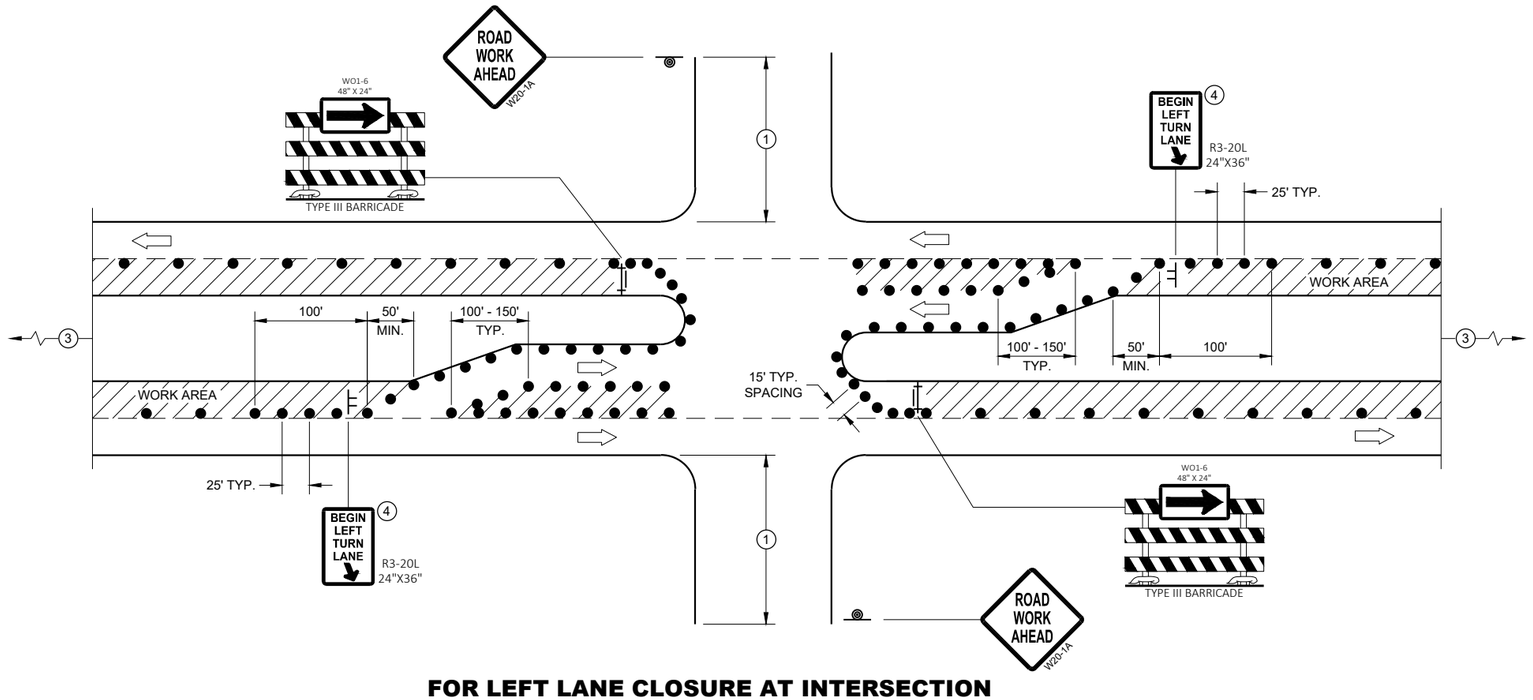
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(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

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

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

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



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

LEGEND

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

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA
- CONNECTED ARROW BOARD
- (IS) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45 MPH, USE SDD 15D14.

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

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

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

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

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

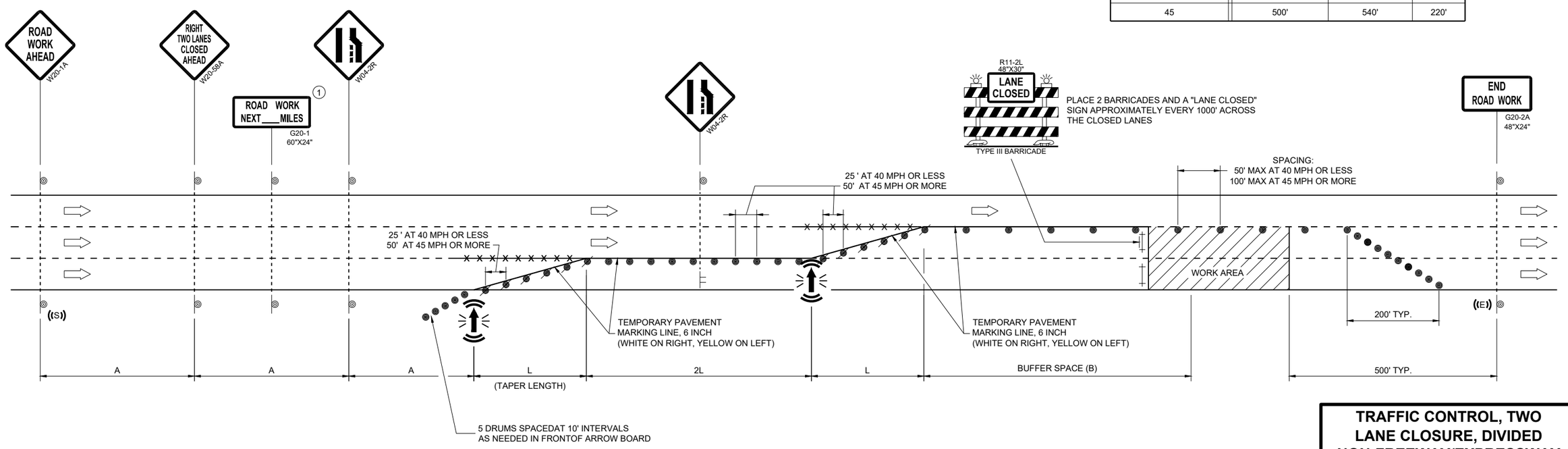
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25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'



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

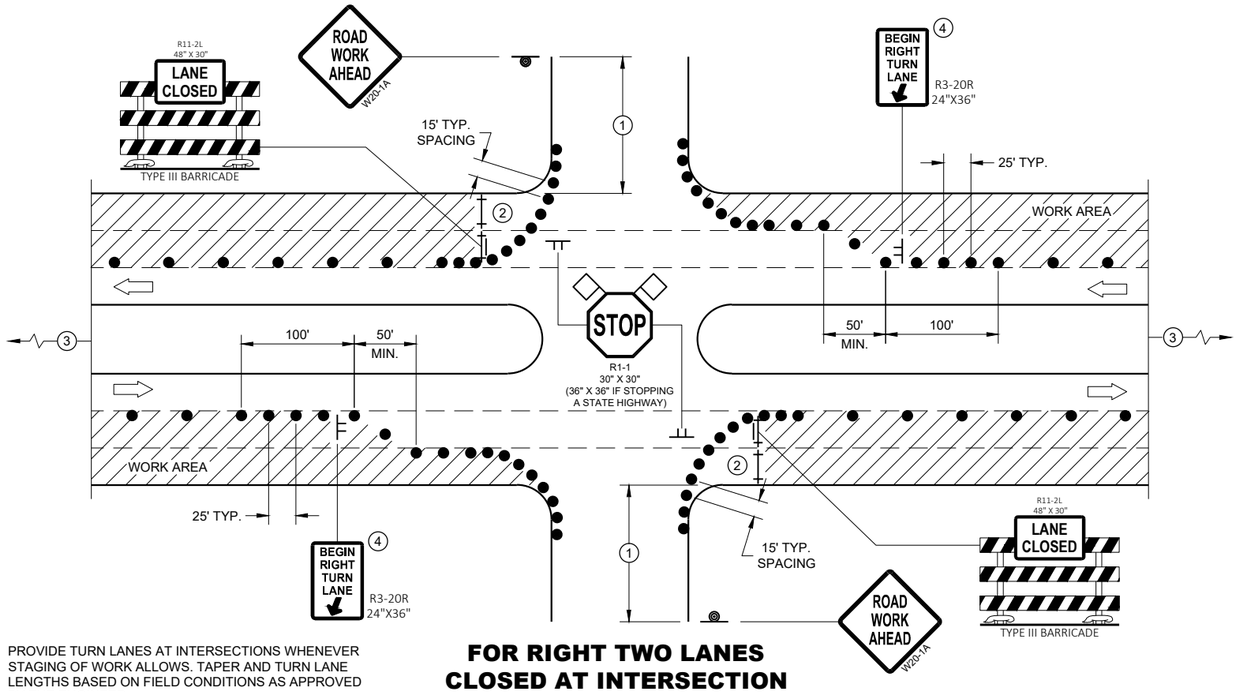
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15D22-07



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

FOR RIGHT TWO LANES CLOSED AT INTERSECTION

GENERAL NOTES

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

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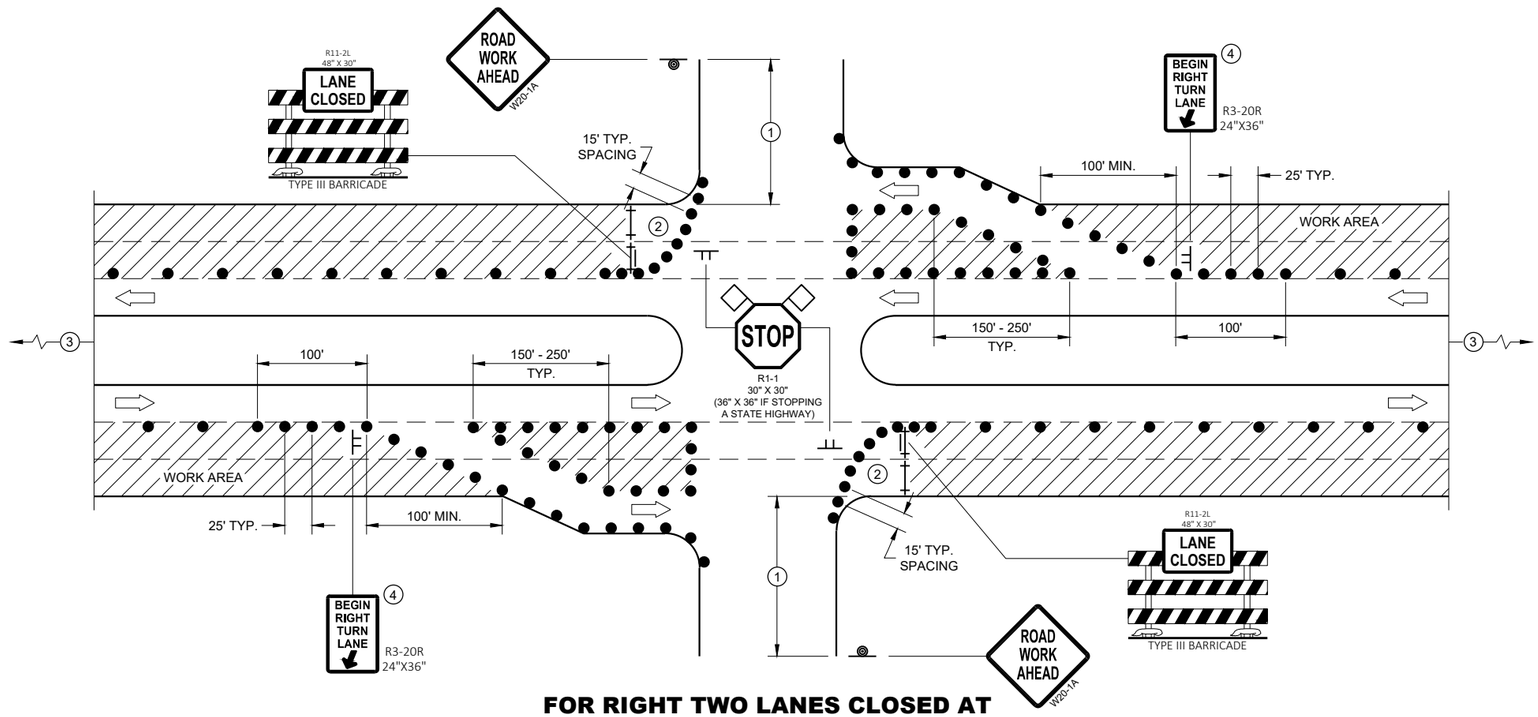
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350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

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

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

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



FOR RIGHT TWO LANES CLOSED AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

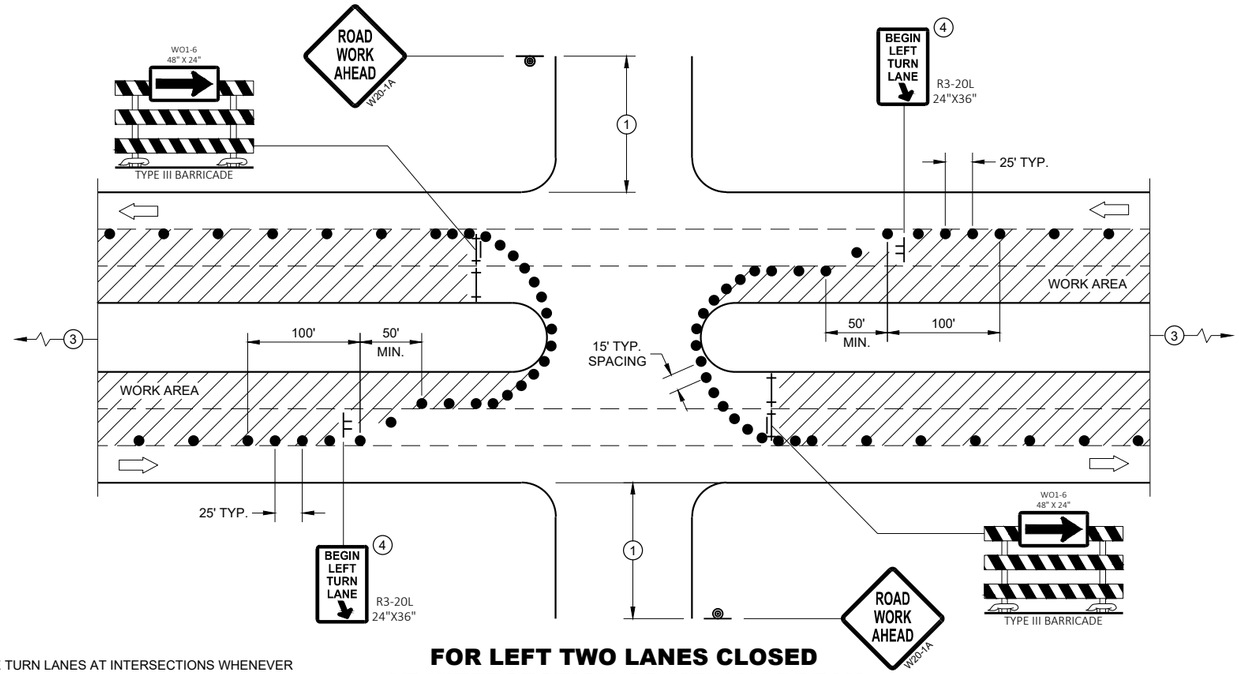
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN TWO RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D23 - 07a



FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK

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

GENERAL NOTES

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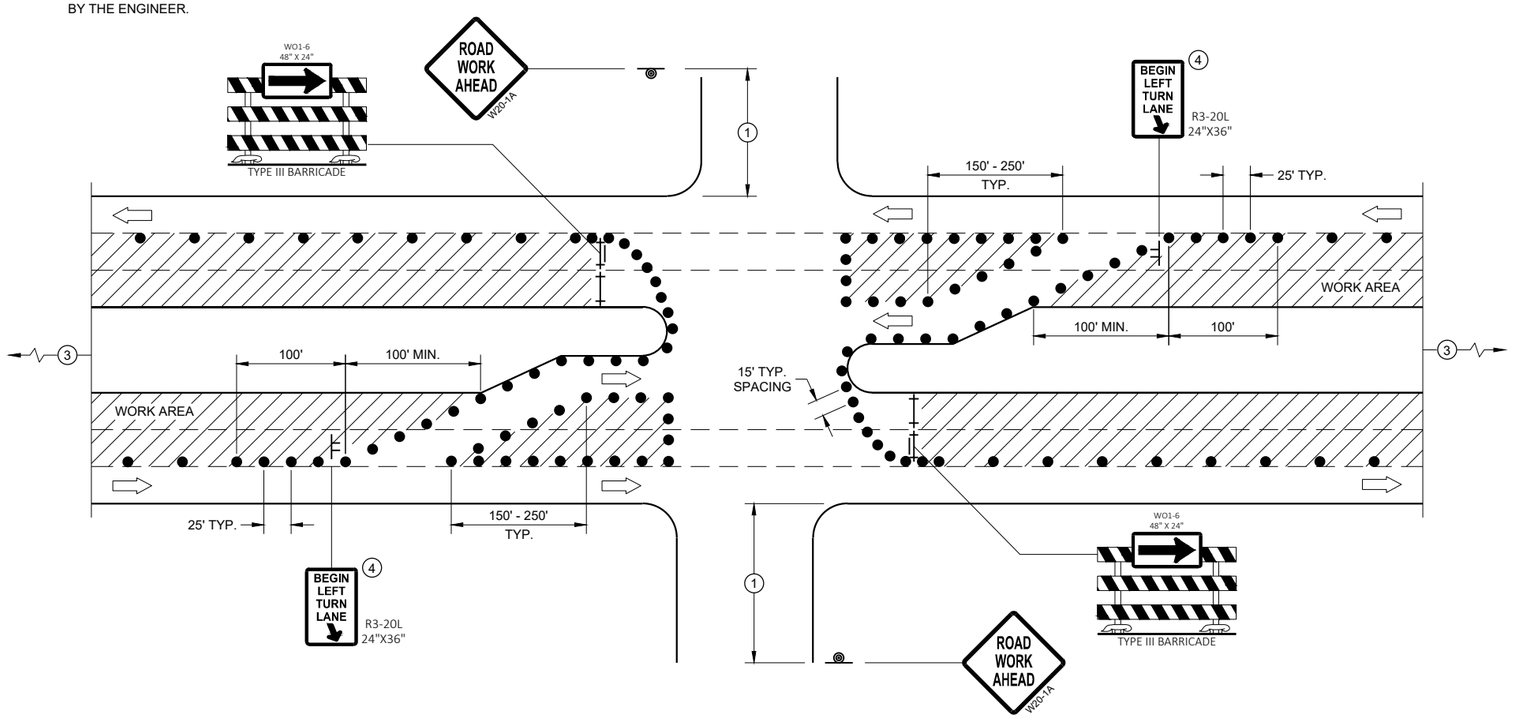
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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

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

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



FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK (WITH LEFT TURN BAY OPEN)

LEGEND

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

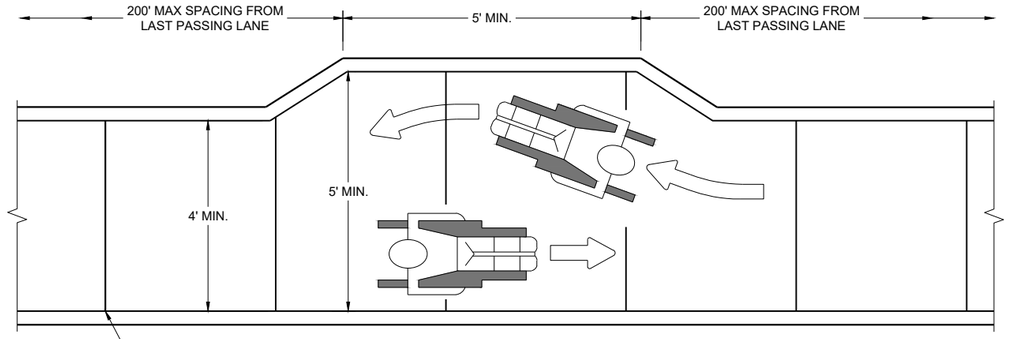
TRAFFIC CONTROL, INTERSECTION WITHIN TWO LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

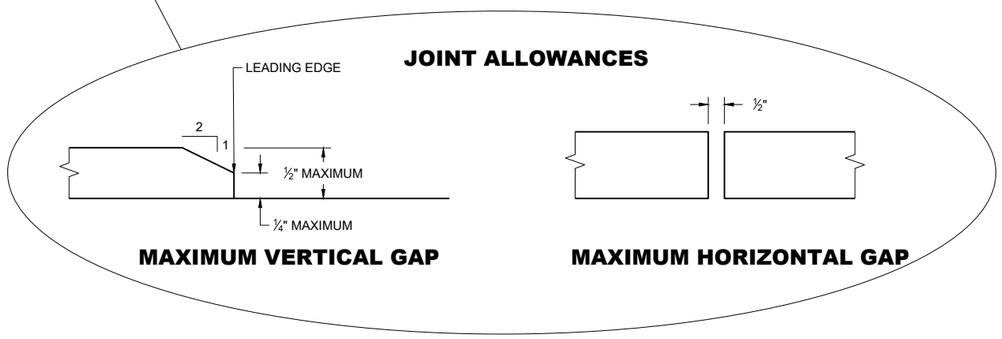
APPROVED
August 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER 855

FHWA



NARROW SIDEWALK PASSING DETAIL



MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

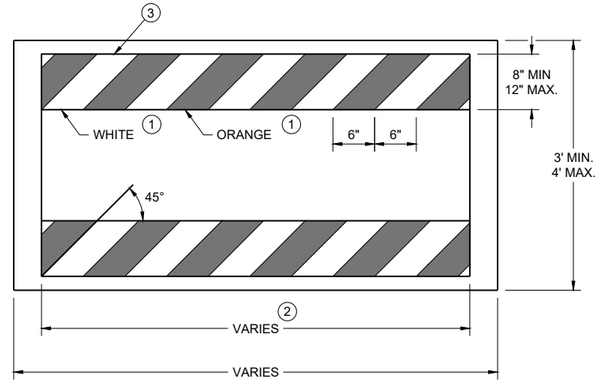
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

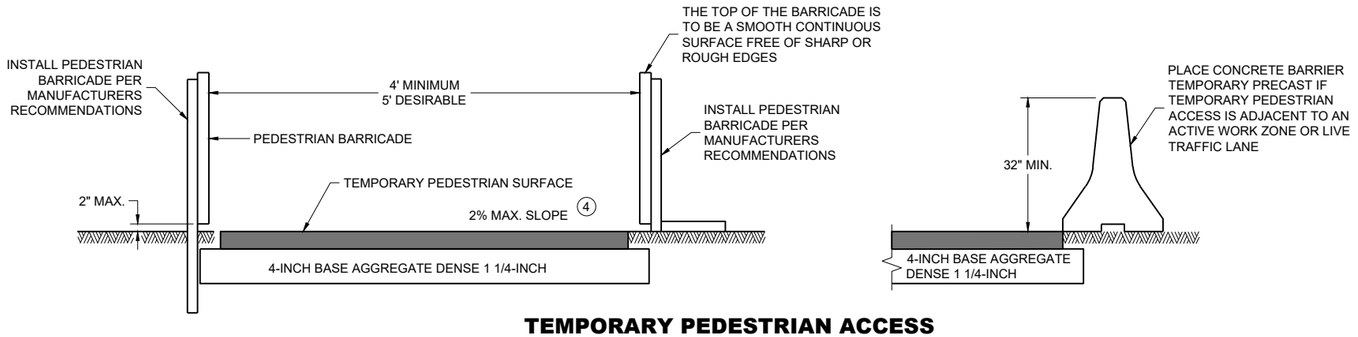
(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

(4) WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.



TEMPORARY PEDESTRIAN BARRICADE *

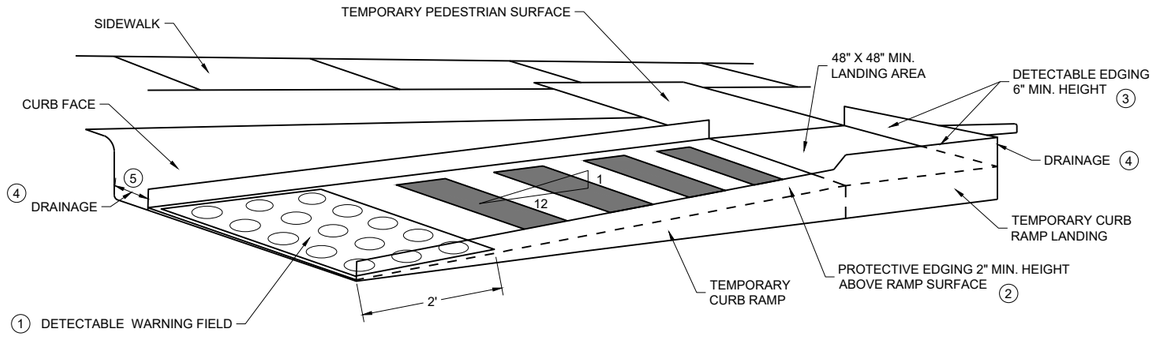


TEMPORARY PEDESTRIAN ACCESS

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-10a



PERSPECTIVE VIEW

GENERAL NOTES

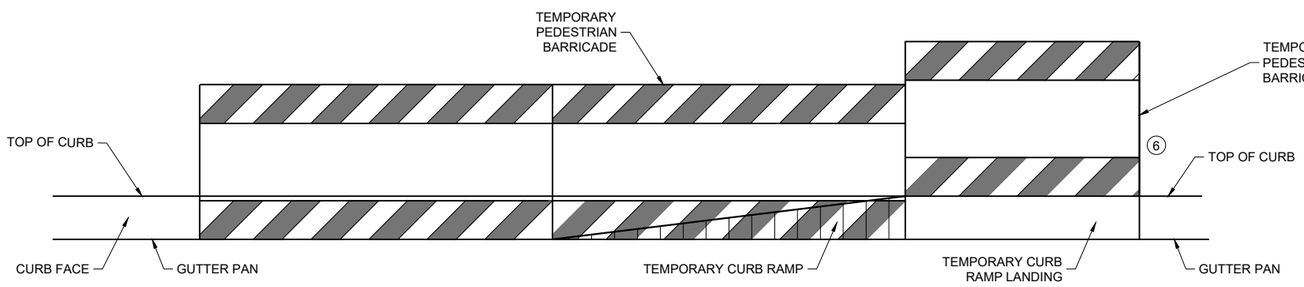
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

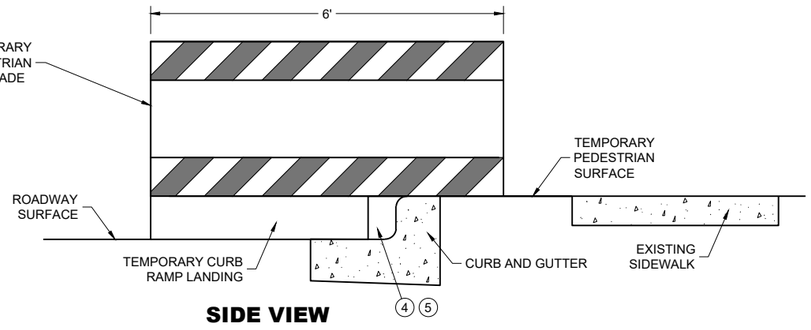
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

1. INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
5. ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.
6. IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

6

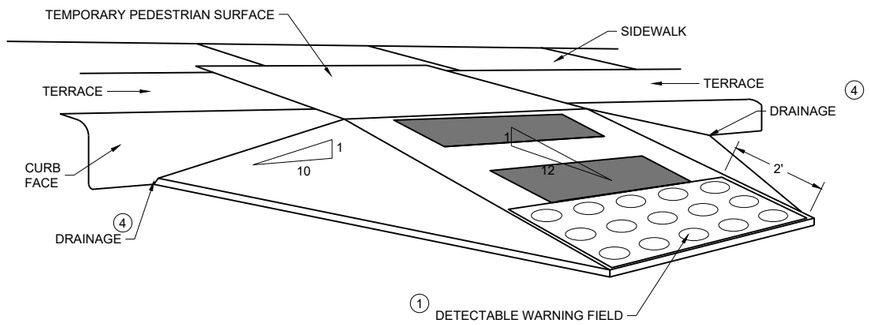
SDD 15D30-10b

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

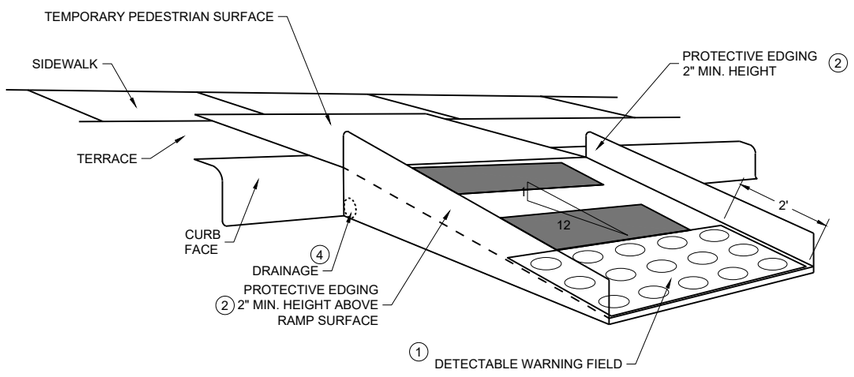
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-10b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

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

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

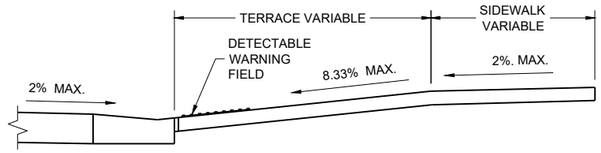
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SDD 15D30-10c

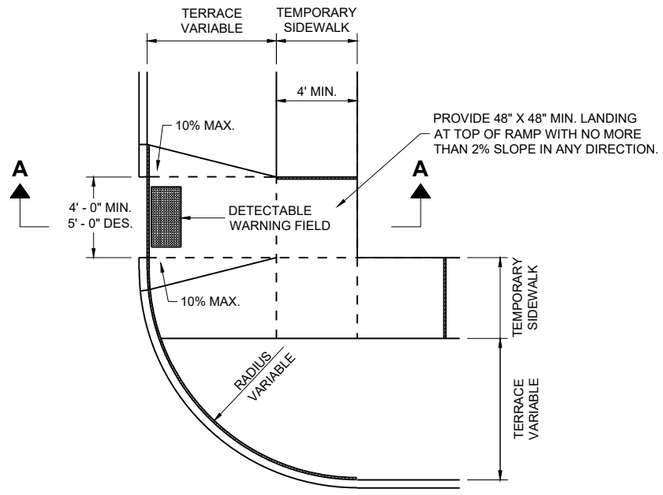
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES



SECTION A - A



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

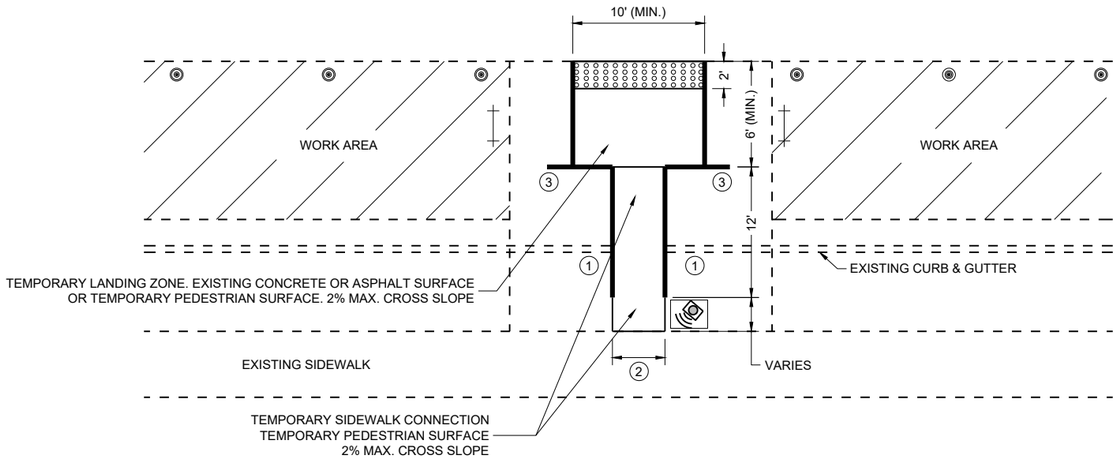
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

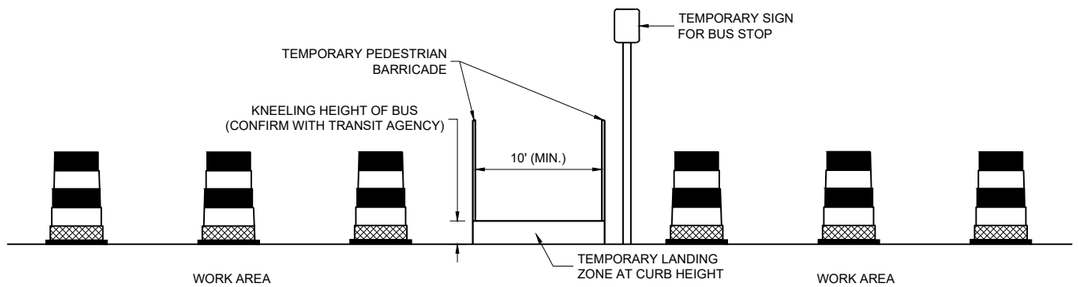
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — <position>
FHWA

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SDD 15D30-10d



PLAN VIEW



PROFILE VIEW TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

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

PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

6

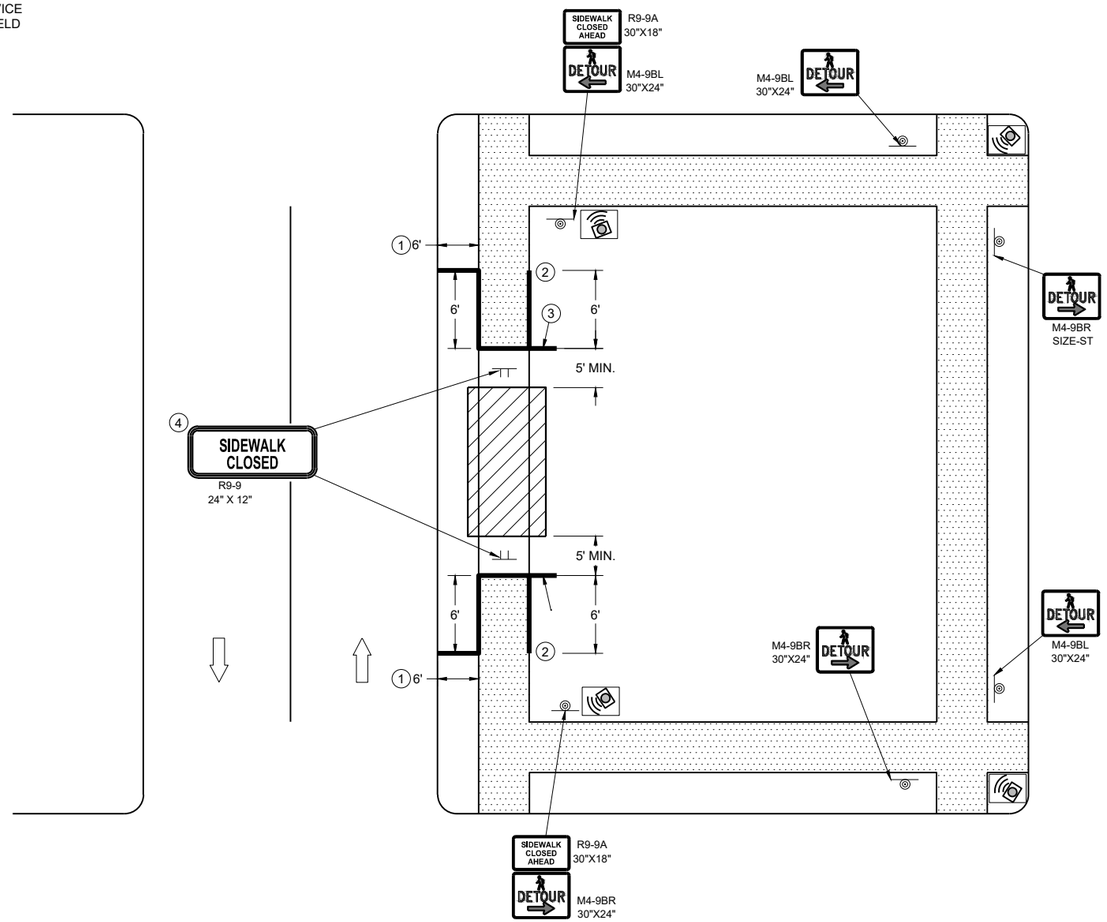
SDD 15D30-10e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

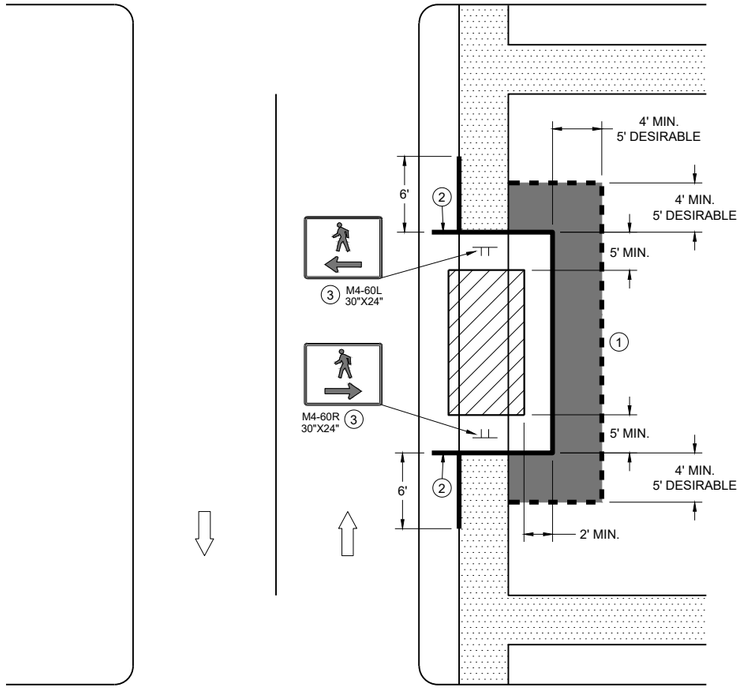
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

(1) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(2) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK BYPASS
SINGLE SIDE

6

SDD 15D30-10g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

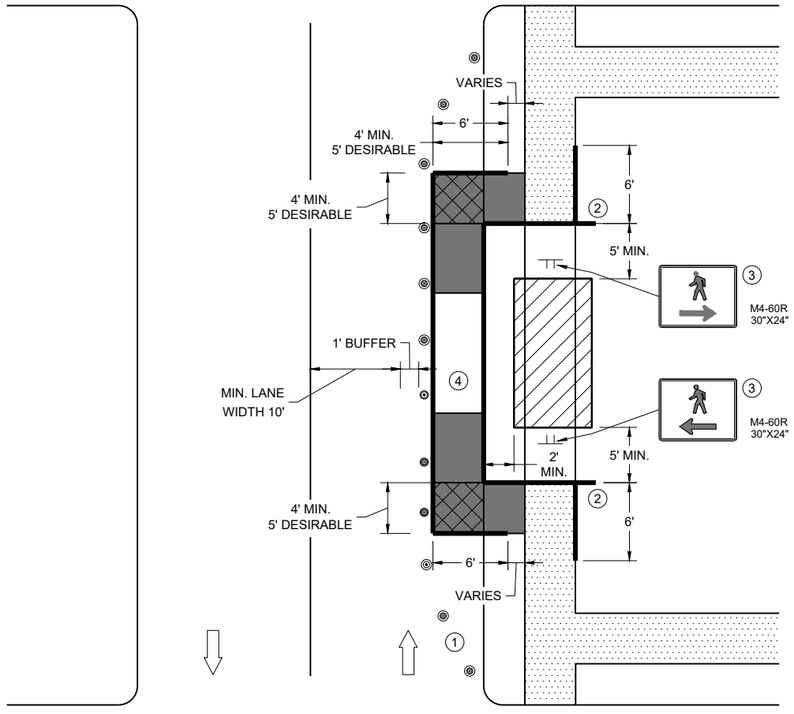
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

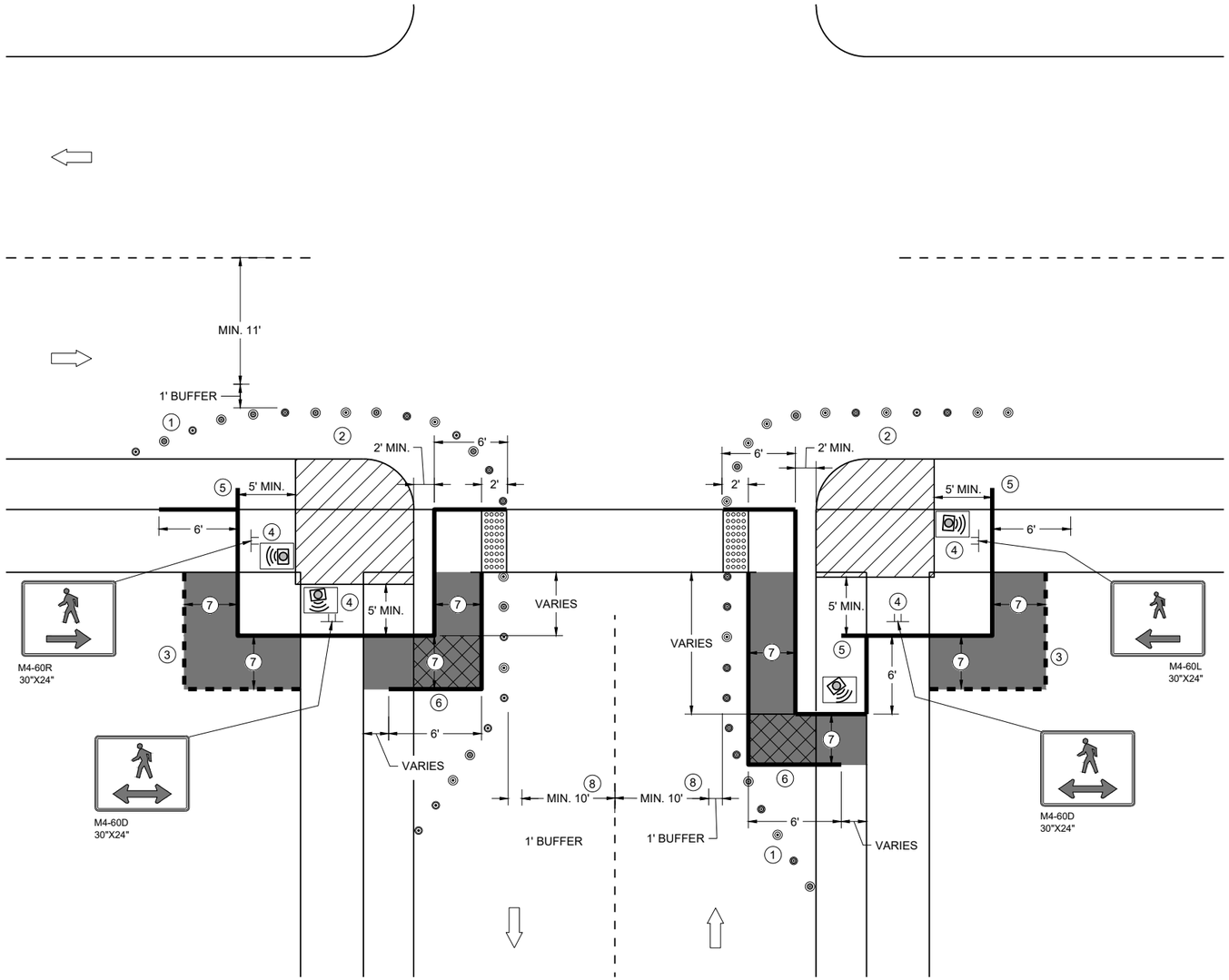


SIDEWALK BYPASS, SINGLE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-10h



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

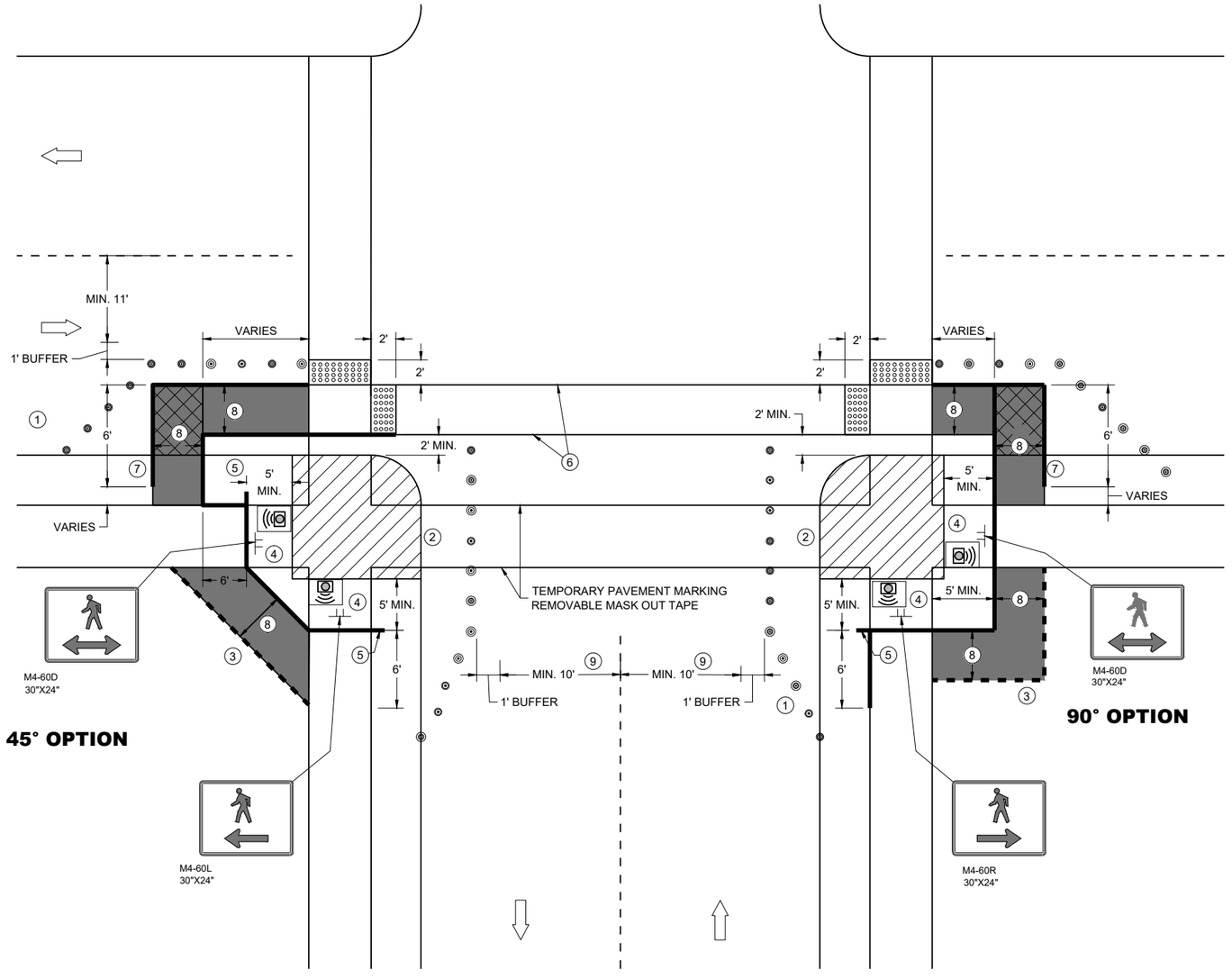
1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS

(3) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

(5) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.

(6) WHITE 6" TEMPORARY PAVEMENT MARKING

(7) IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

(8) 4 FEET MINIMUM, 5 FEET DESIRABLE

(9) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

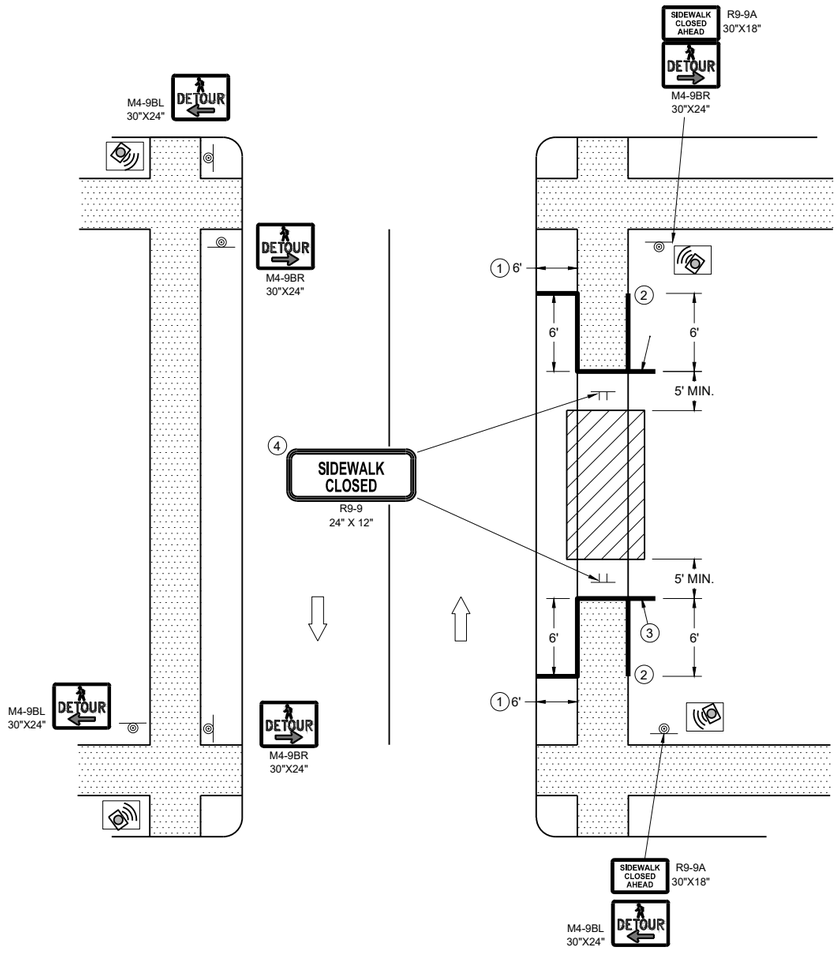
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-10j

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

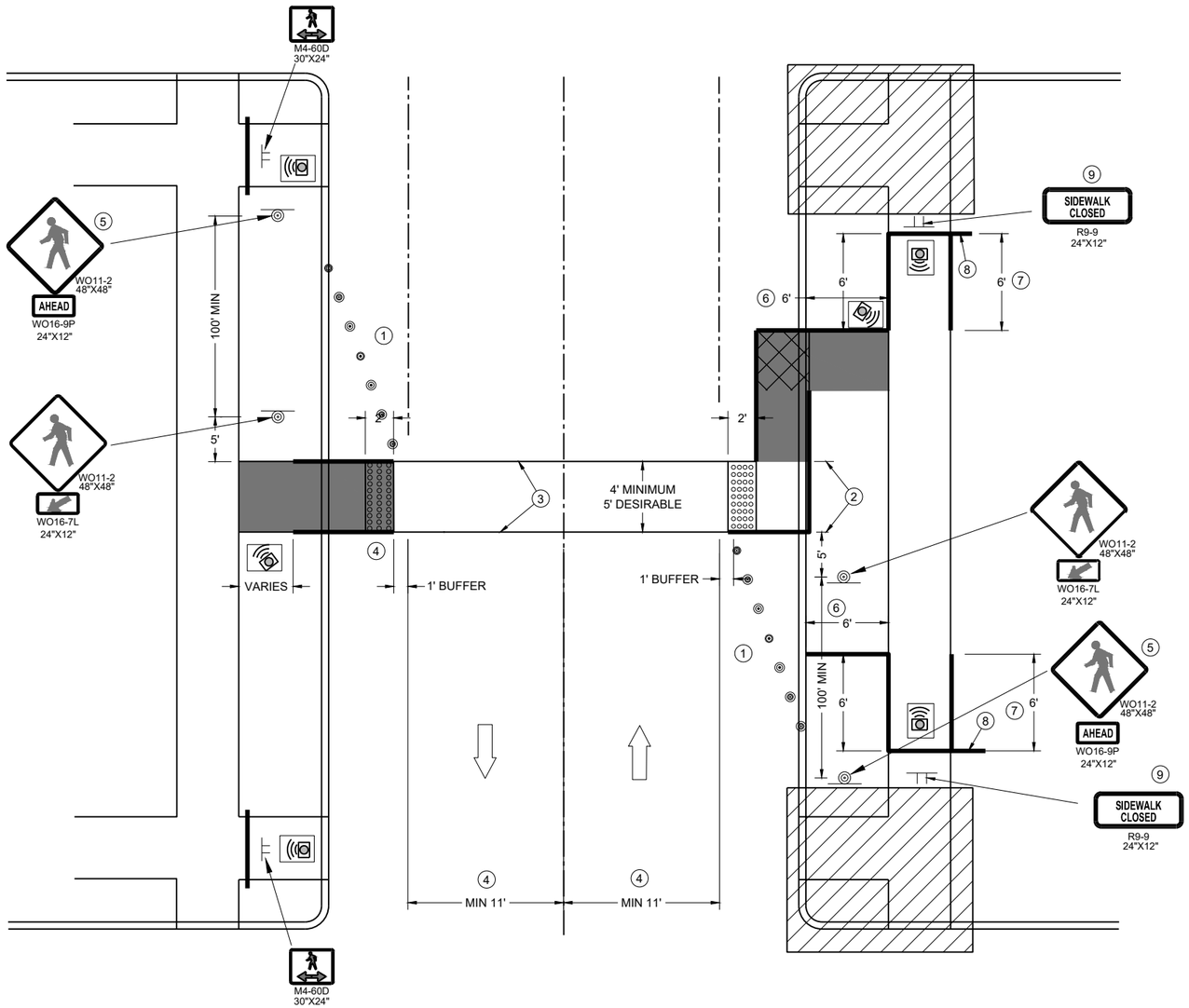
1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-10k



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

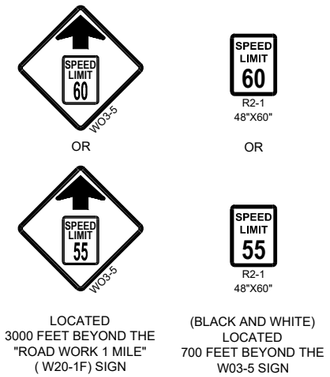
DIRECTION OF TRAFFIC

CONCRETE BARRIER TEMPORARY PRECAST

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

FULL SHIFT							
SHIFTING TAPER L/2							
POSTED SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	225	248	270	293	315	338	360
50	250	275	300	325	350	375	400
55	275	303	330	358	385	413	440
60	300	330	360	390	420	450	480
65	325	358	390	423	455	488	520
70	350	385	420	455	490	525	560



IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 3 MILES.

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

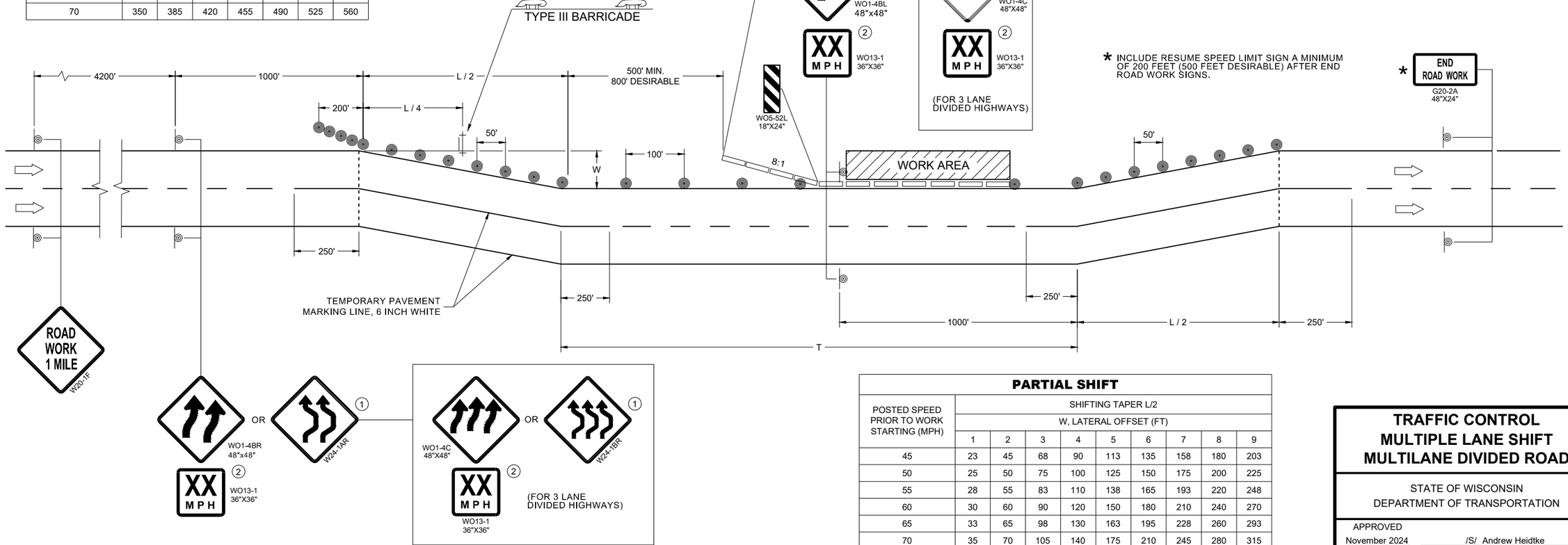
REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINES IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY WHEN T < 600', OMIT WO1-4C.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.



PARTIAL SHIFT									
POSTED SPEED PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2								
	W, LATERAL OFFSET (FT)								
	1	2	3	4	5	6	7	8	9
45	23	45	68	90	113	135	158	180	203
50	25	50	75	100	125	150	175	200	225
55	28	55	83	110	138	165	193	220	248
60	30	60	90	120	150	180	210	240	270
65	33	65	98	130	163	195	228	260	293
70	35	70	105	140	175	210	245	280	315

TRAFFIC CONTROL
MULTIPLE LANE SHIFT
MULTILANE DIVIDED ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

6

SDD 15D41-05a

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

CONCRETE BARRIER TEMPORARY PRECAST

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

TEMPORARY TAPE RUMBLE STRIPS (VARIABLE SPACING)

FULL SHIFT							
SHIFTING TAPER L/2							
POSTED SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	225	248	270	293	315	338	360
50	250	275	300	325	350	375	400
55	275	303	330	358	385	413	440
60	300	330	360	390	420	450	480
65	325	358	390	423	455	488	520
70	350	385	420	455	490	525	560



OR



LOCATED 3000 FEET BEYOND THE "ROAD WORK 1 MILE" (W20-1F) SIGN



OR



(BLACK AND WHITE) LOCATED 700 FEET BEYOND THE W03-5 SIGN

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 3 MILES.

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT. ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

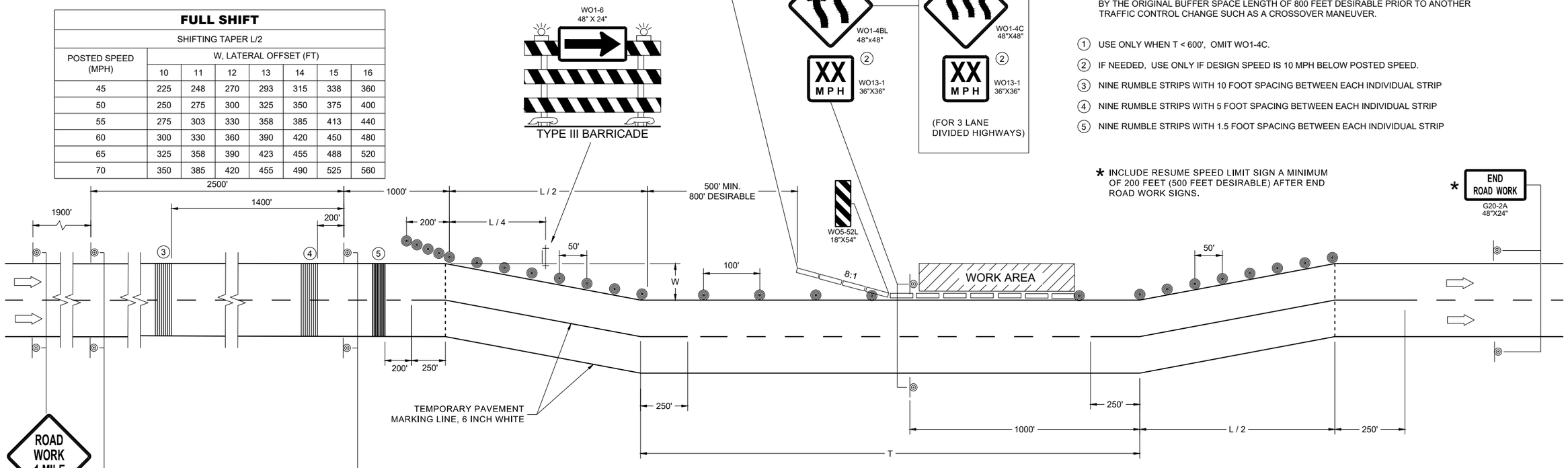
(1) USE ONLY WHEN T < 600', OMIT WO1-4C.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(3) NINE RUMBLE STRIPS WITH 10 FOOT SPACING BETWEEN EACH INDIVIDUAL STRIP

(4) NINE RUMBLE STRIPS WITH 5 FOOT SPACING BETWEEN EACH INDIVIDUAL STRIP

(5) NINE RUMBLE STRIPS WITH 1.5 FOOT SPACING BETWEEN EACH INDIVIDUAL STRIP



PARTIAL SHIFT									
POSTED SPEED PRIOR TO WORK STARTING (MPH)	SHIFTING TAPER L/2								
	W, LATERAL OFFSET (FT)								
	1	2	3	4	5	6	7	8	9
45	23	45	68	90	113	135	158	180	203
50	25	50	75	100	125	150	175	200	225
55	28	55	83	110	138	165	193	220	248
60	30	60	90	120	150	180	210	240	270
65	33	65	98	130	163	195	228	260	293
70	35	70	105	140	175	210	245	280	315

TRAFFIC CONTROL MULTIPLE LANE SHIFT DIVIDED ROAD TEMPORARY TAPE RUMBLE STRIPS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

6

SDD 15D41-05b

6

SDD 15D41-05b

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

RIGHT CLOSURE SHOWN (LEFT LANE CLOSURE SIMILAR)

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

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

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

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

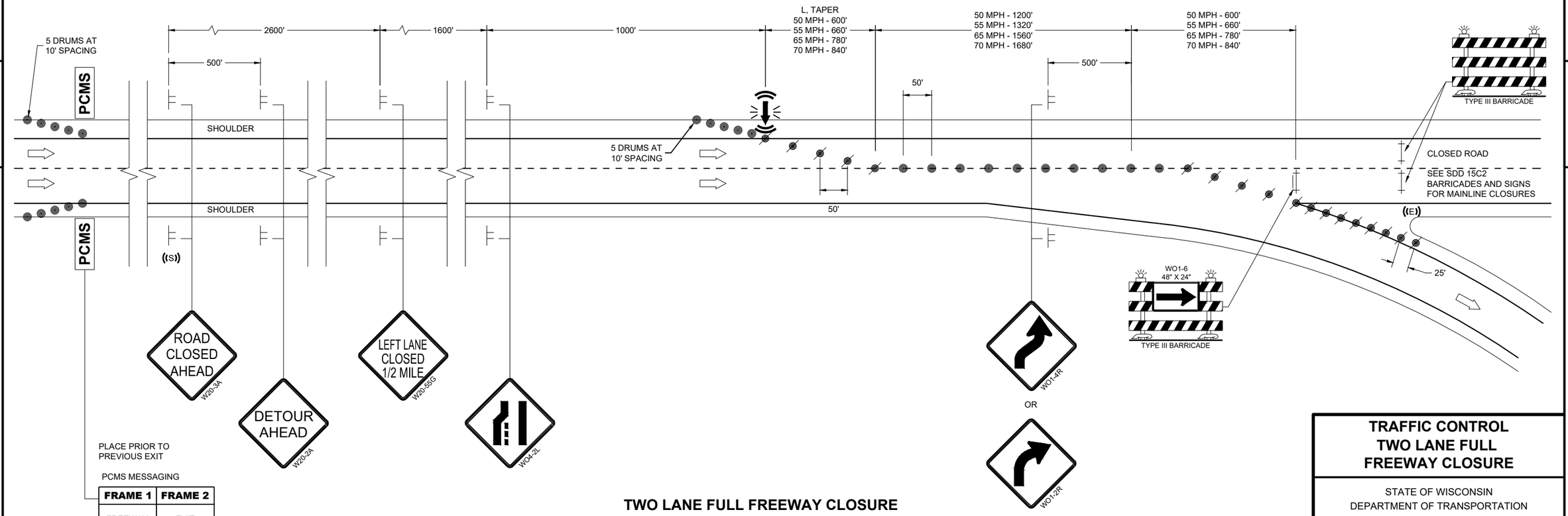
WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND / OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS EACH CLOSED LANE TO HELP REINFORCE THE DRUM LINE.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

REFER TO DETOUR ROUTES FOR TRAFFIC GUIDANCE SIGNING.

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



PLACE PRIOR TO PREVIOUS EXIT

PCMS MESSAGING

FRAME 1	FRAME 2
FREEWAY CLOSED	EXIT AHEAD

TWO LANE FULL FREEWAY CLOSURE

TRAFFIC CONTROL TWO LANE FULL FREEWAY CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke

FHWA

6

SDD 15D42-04

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- WZ START LOCATION MARKER
- WZ END LOCATION MARKER

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

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

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

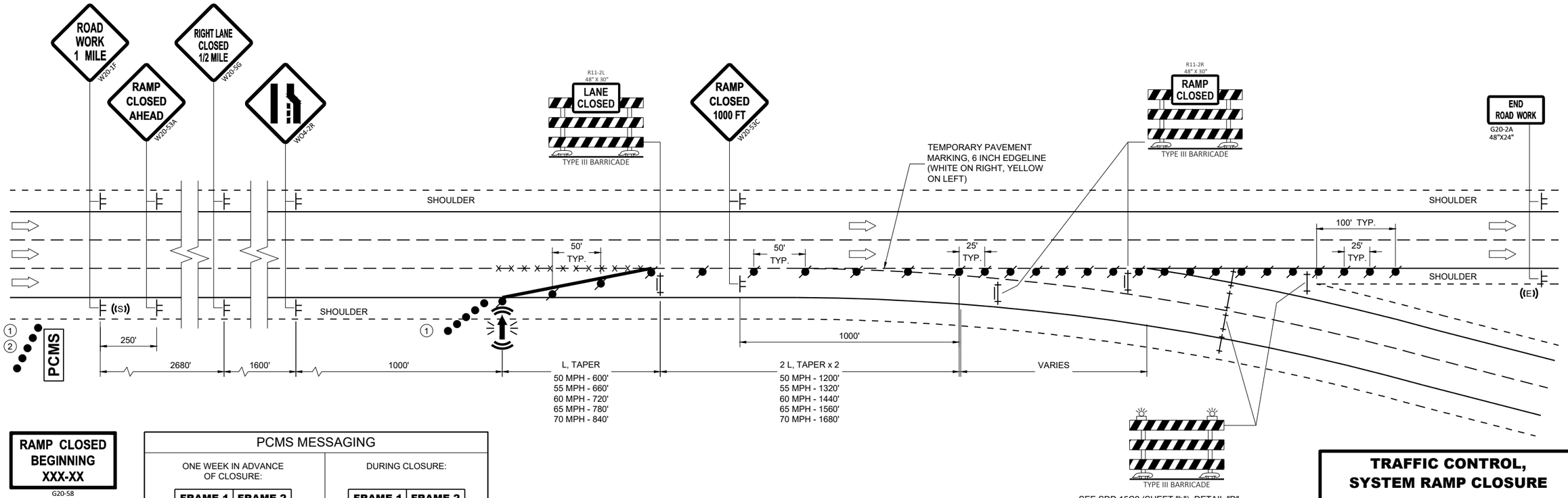
REMOVE ALL ARROW BOARDS AND DEVICES BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS.

REFER TO SDD 15C2 FOR SETTING DETOUR SIGNAGE.

ADD FREEWAY SHIELD AND DIRECTION IF APPLICABLE. COVER EXISTING RAMP AND LANE SIGNS IF APPLICABLE.

(1) 5 DRUMS SPACED AT 10 FOOT INTERVALS.

(2) DURING THE PRE-WARNING PERIOD, PLACE THE PCMS AT THE SYSTEM RAMP THAT IS TO BE CLOSED. DURING CLOSURE PERIOD, PLACE PCMS OR FMS AT LAST AVAILABLE EXIT IN ADVANCE OF SYSTEM RAMP CLOSURE. IF DYNAMIC MESSAGE SIGNS (DMS) ARE AVAILABLE, COORDINATE POTENTIAL SIGN MESSAGES WITH THE TRAFFIC MANAGEMENT CENTER (TMC).



SEE SDD 15C2 (SHEET "b"), DETAIL "D" "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" PLACE BARRICADES TO FULLY SEAL OFF ROAD

RAMP CLOSED BEGINNING XXX-XX
G20-58

PCMS MESSAGING	
ONE WEEK IN ADVANCE OF CLOSURE:	DURING CLOSURE:

FRAME 1	FRAME 2
RAMP TO CLOSE	XXXDAY XX XX XX

FRAME 1	FRAME 2
HWY XX RAMP CLOSED	USE ALT ROUTE

TRAFFIC CONTROL, SYSTEM RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D49-04

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					
		3	4	5	6	7	8
25	200	10	14	17	21	24	28
30	200	15	20	25	30	35	40
35	350	20	27	34	40	47	54
40	350	26	35	44	53	62	70
45	500	45	59	74	89	104	119
50	500	50	66	83	99	116	132
55	500	54	73	91	109	127	145

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

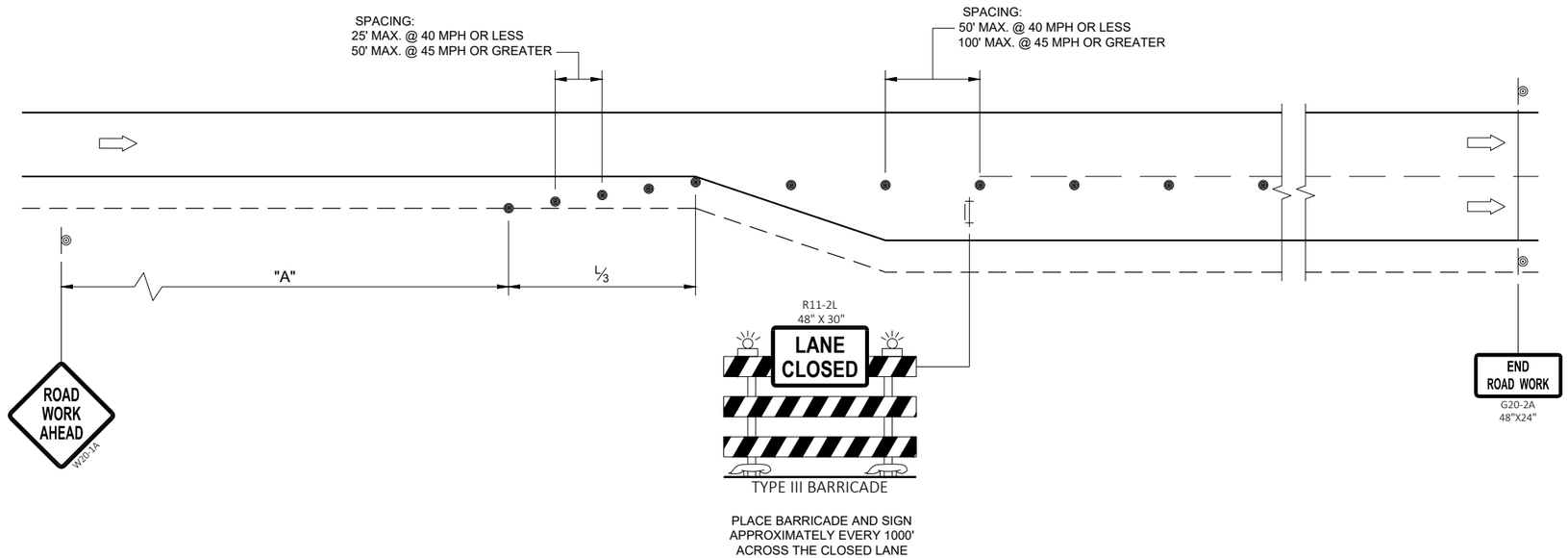
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

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

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.



PLACE BARRICADE AND SIGN APPROXIMATELY EVERY 1000' ACROSS THE CLOSED LANE

TRAFFIC CONTROL
ADDED LANE CLOSURE
WITHOUT LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6
SDD 15D50-03a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER (L/2) FEET
25	200	60
30	200	90
35	350	120
40	350	160
45	500	270
50	500	300
55	500	330

GENERAL NOTES

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"x36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

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

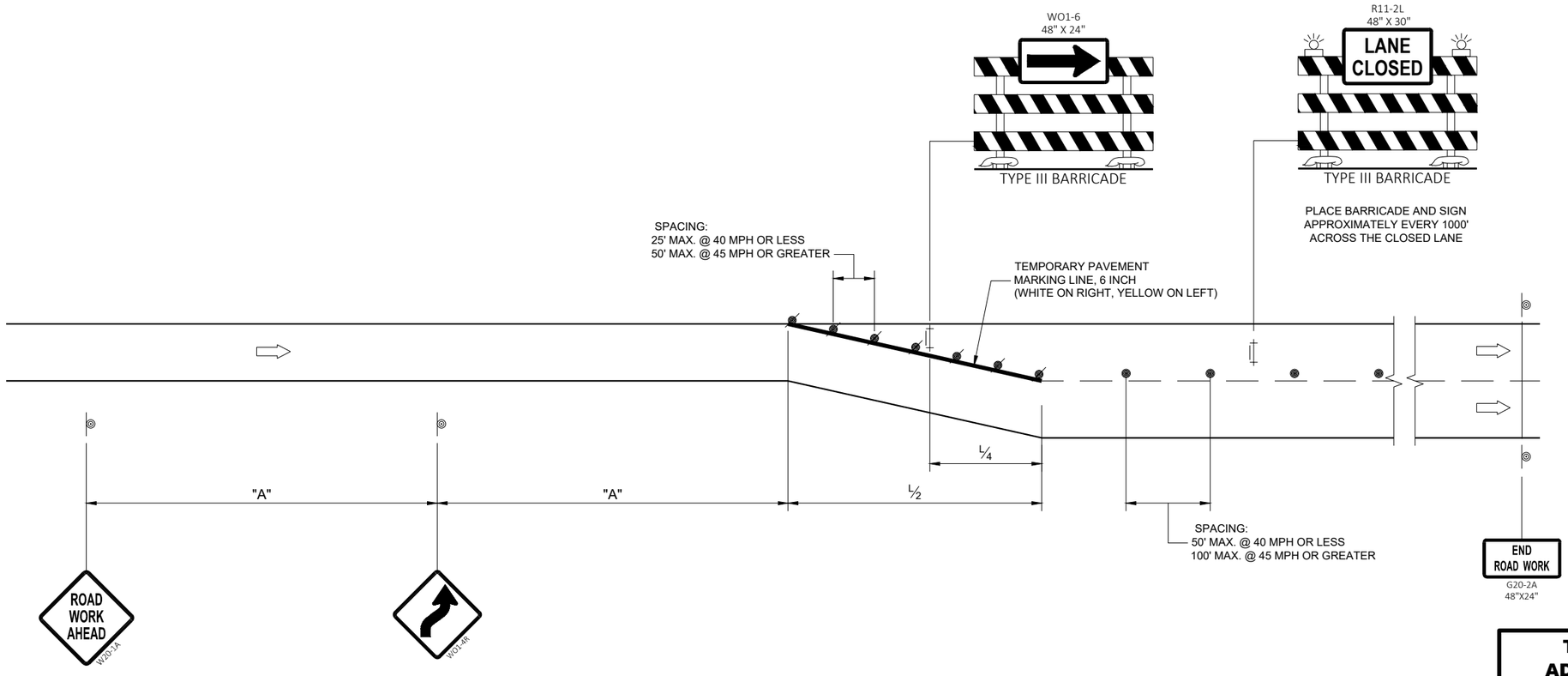
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION WORK IS LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS.

PLACE TEMPORARY PAVEMENT MARKING AND PLACE TEMPORARY PAVEMENT LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.



TRAFFIC CONTROL, ADDED LANE CLOSURE WITH LANE SHIFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

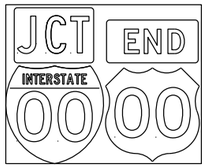
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE 873
FHWA

6
SDD 15D50-03b

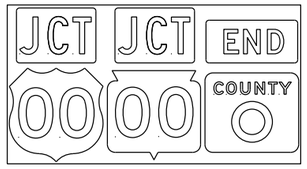
TYPICAL ASSEMBLIES



J1-1



J1-2



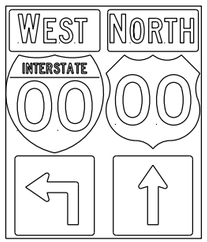
J1-3



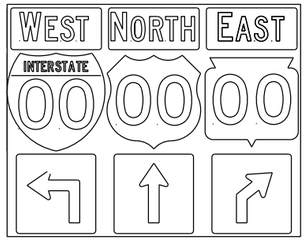
JR1-1



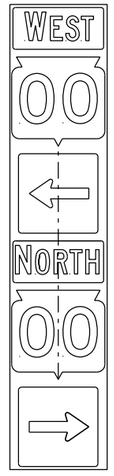
J2-1



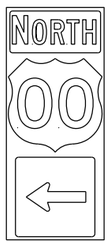
J2-2



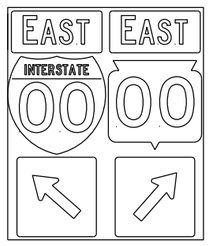
J2-3



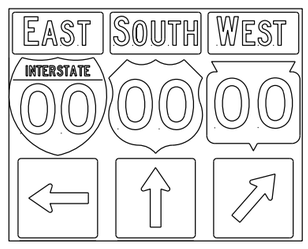
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



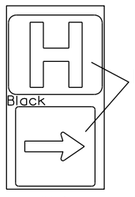
J3-1



J3-2



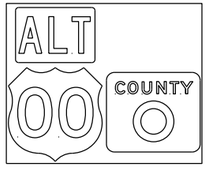
J3-3



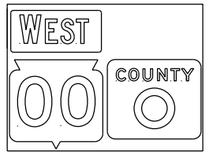
JH-1



J4-1



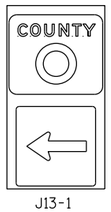
J4-2



J4-2



J12-1



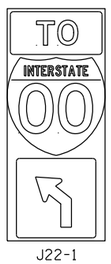
J13-1



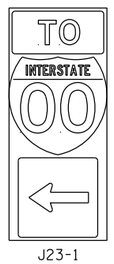
J32-1



J33-1



J22-1



J23-1



JR13-1

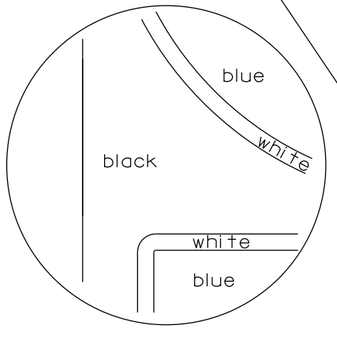


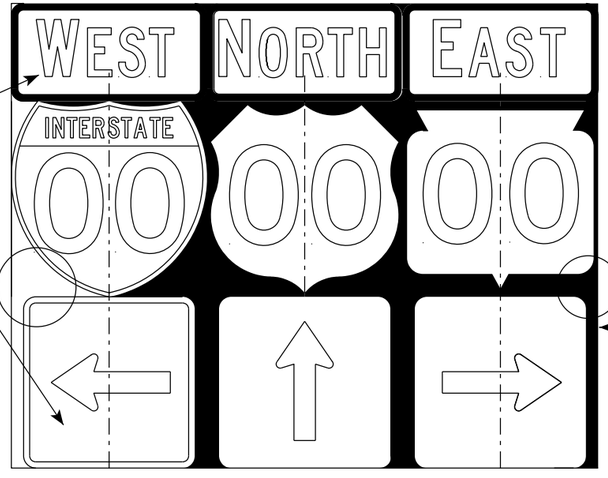
JR23-1

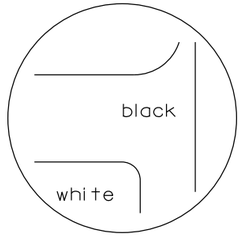


JR99-1

blue background
with interstate







black background

NOTES

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

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

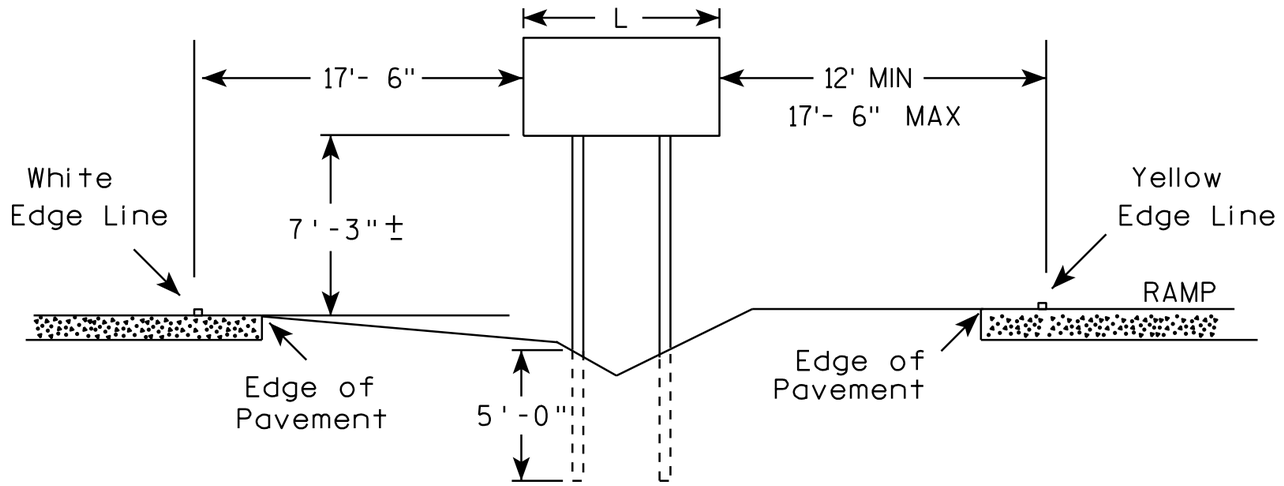
WISCONSIN DEPT OF TRANSPORTATION

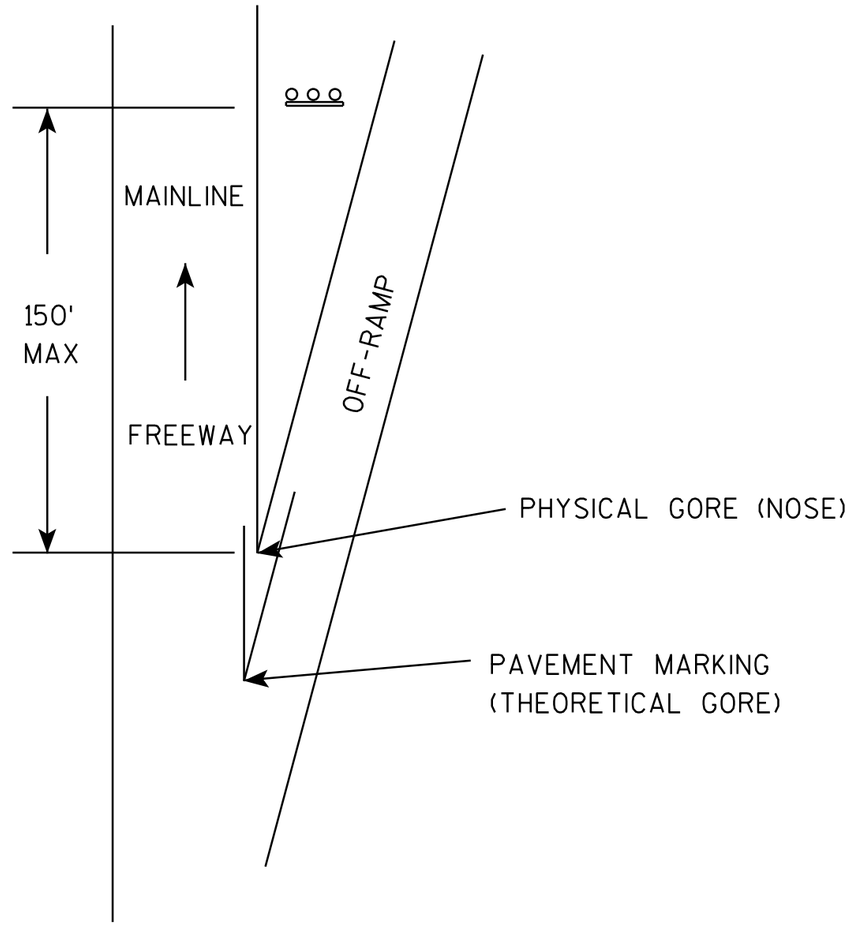
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

SHEET NO: 874 E





GENERAL NOTES

1. The 150 foot distance from the physical gore (where pavement ends) will normally provide the offsets as shown.
2. If roadway geometrics permit, the sign may be closer than the 150 foot distance as long as the offsets are maintained.
3. At no time shall the location be greater than 150 feet. If the normal offsets cannot be maintained, they can be reduced to 6 feet from the edge of the paved shoulder (both freeway and ramp).
4. The offset from edge of sign to the yellow edge line on the ramp is shown as a minimum of 12 feet and a maximum of 17 feet, 6 inches. Preference is adhering to the maximum rather than the minimum dimension.
5. When L is equal to or exceeds 10 feet, use 3 posts as per A4-4.
6. The (∓) tolerance for the mounting height is 3 inches.

7

7

TYPICAL INSTALLATION
OF TYPE II SIGNS ON
WOOD POSTS IN GORE

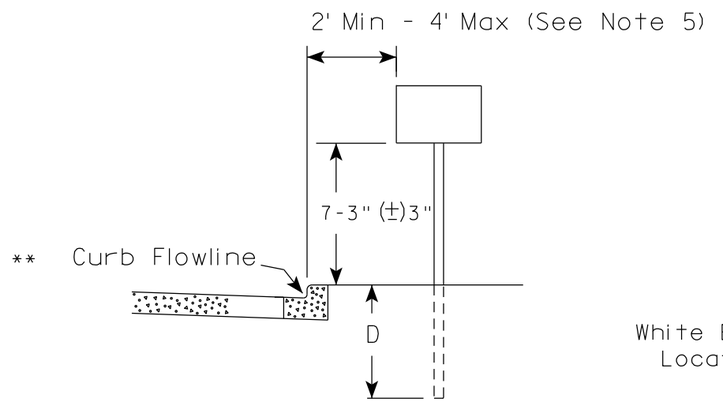
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

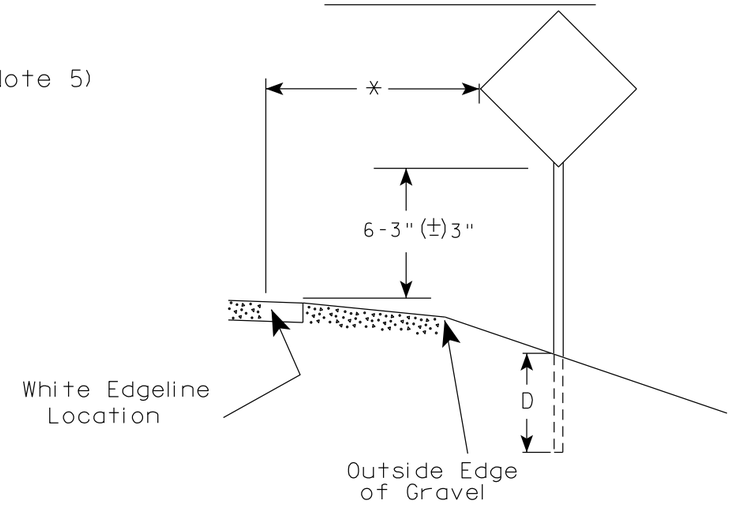
DATE 2/06/14 PLA 875 A4-2.3

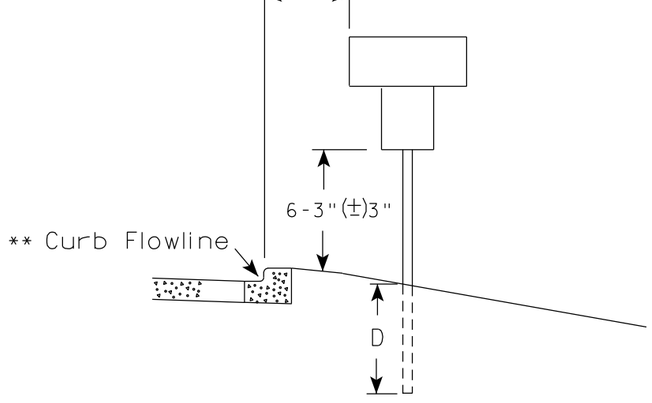
PROJECT NO: | SHEET NO: E

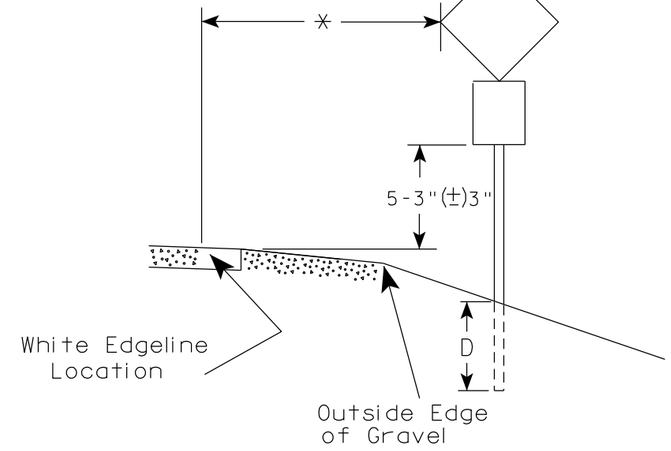
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

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

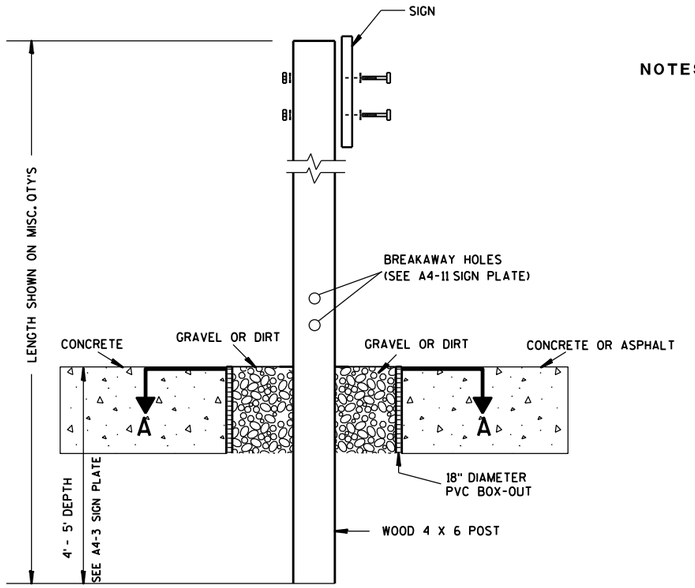
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

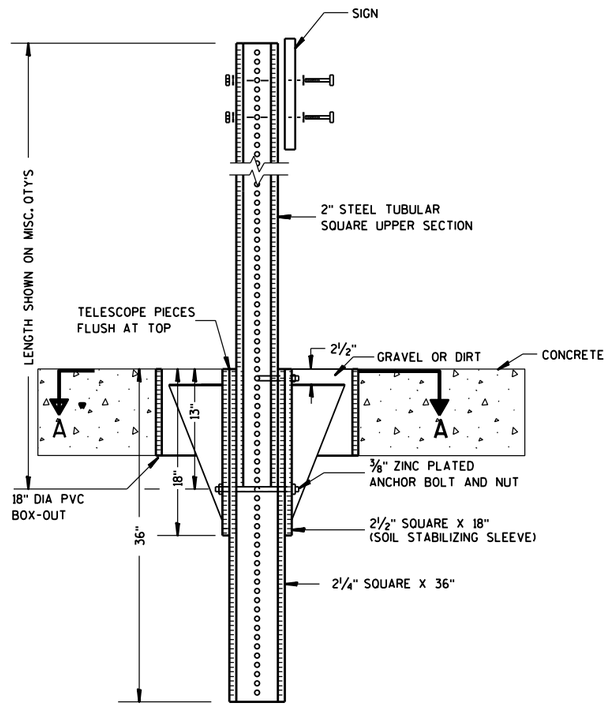
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 876	E



ELEVATION VIEW

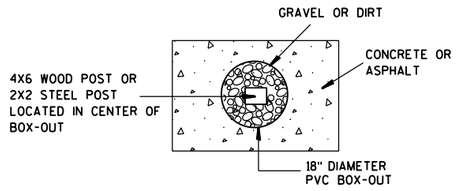
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

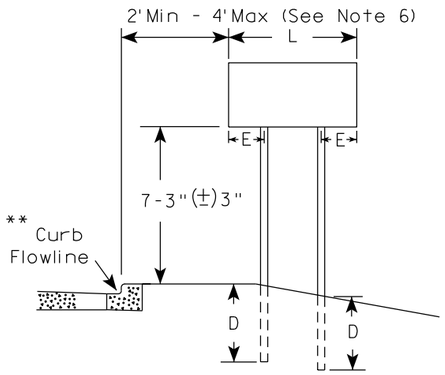
APPROVED Matthew R Rauch
for State Traffic Engineer

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

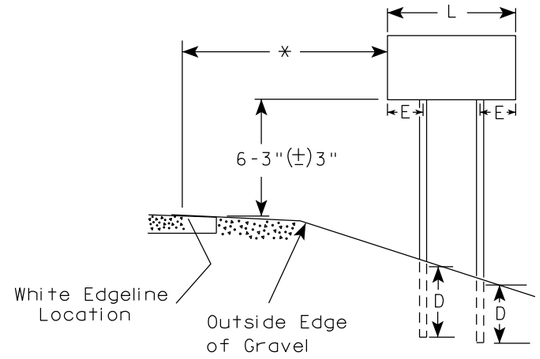
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

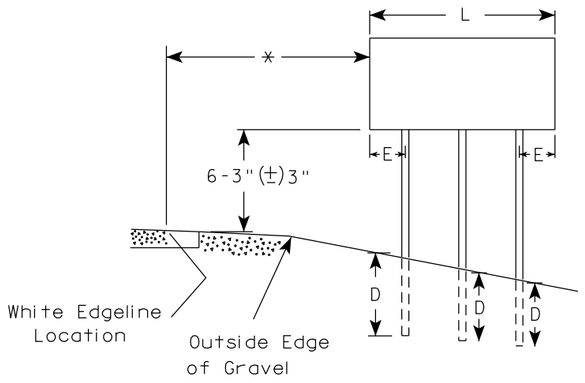
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

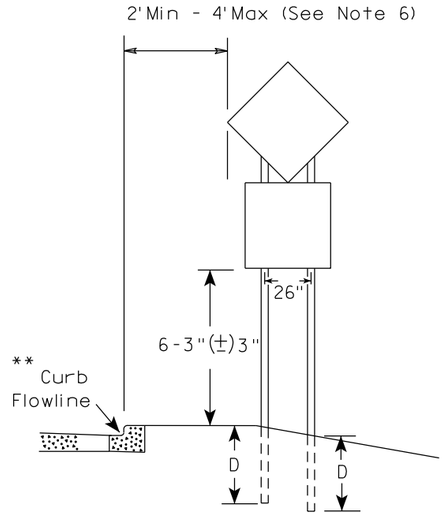
URBAN AREA



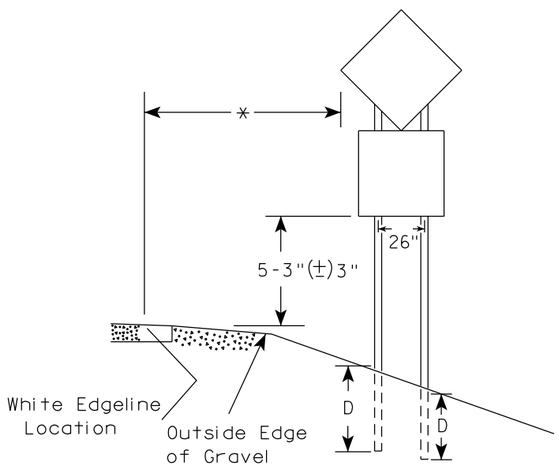
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

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

GENERAL NOTES

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

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

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

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

POST EMBEDMENT DEPTH

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

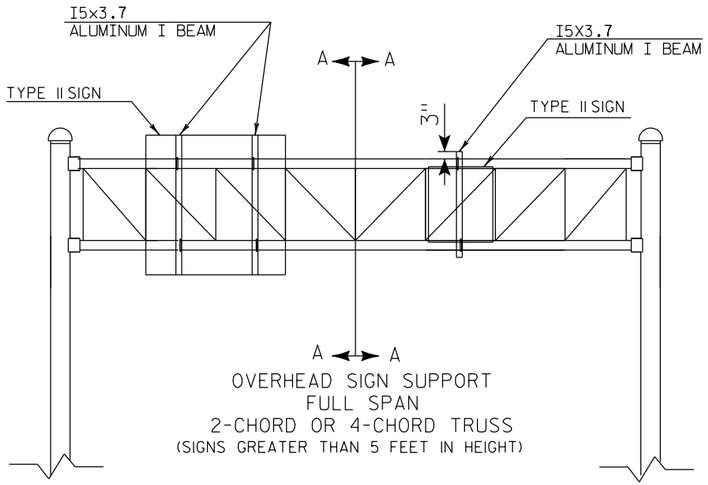
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

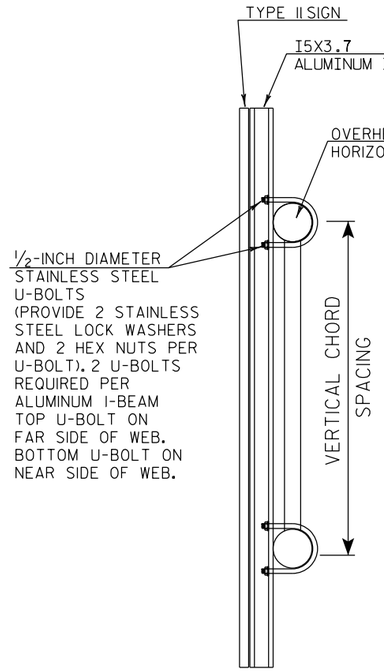
APPROVED Matthew R Rauch
for State Traffic Engineer

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

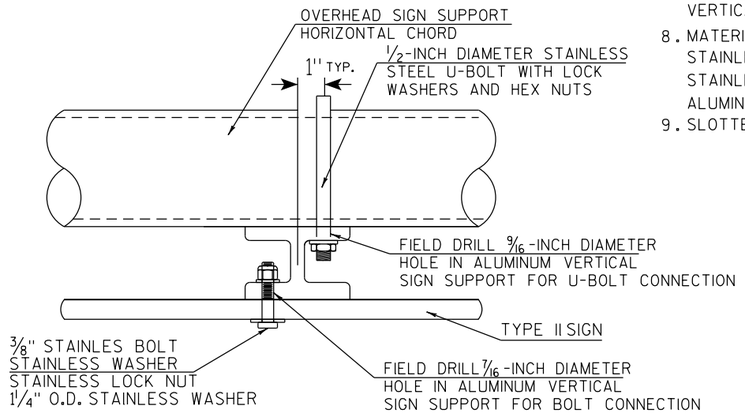
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 878	E



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



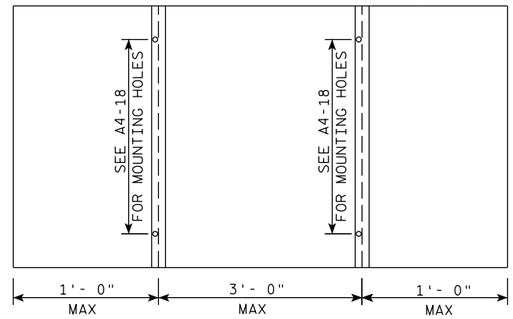
CUT SECTION A-A



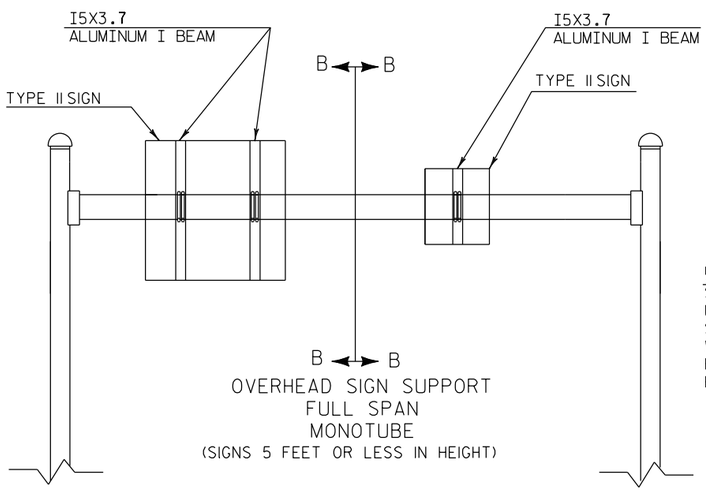
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

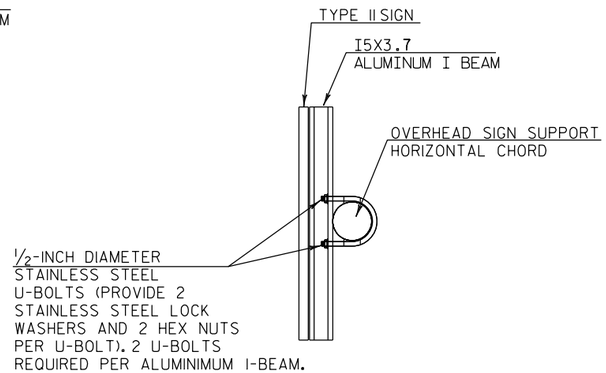
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE STAINLESS BOLTS AT BOLT HOLES IN SIGN PANEL PER SIGN PLATE A4-18.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS, BOLTS, AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



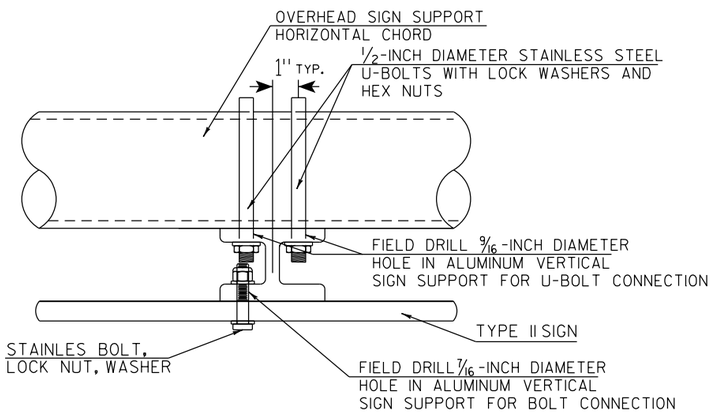
SPACING OF I5X3.7 ALUMINUM
MULTIPLE VERTICAL SIGN SUPPORTS



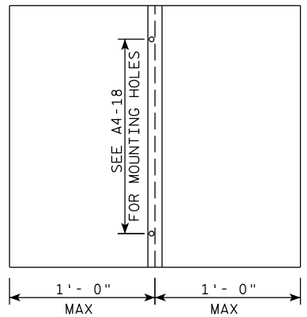
OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW



SPACING OF I5X3.7 ALUMINUM
SINGLE VERTICAL SIGN SUPPORT

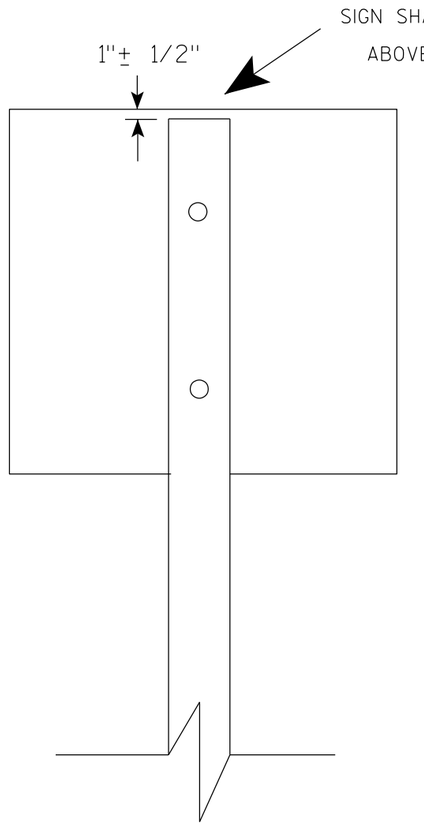
TYPE II SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

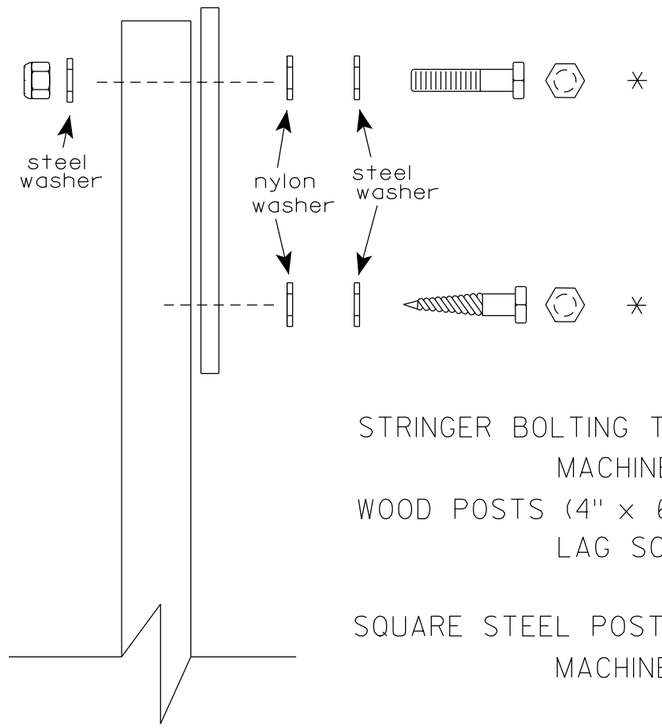
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 879	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

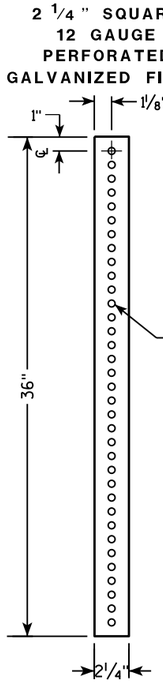
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

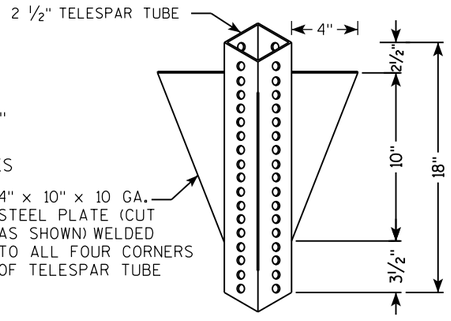
SHEET NO: 880 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

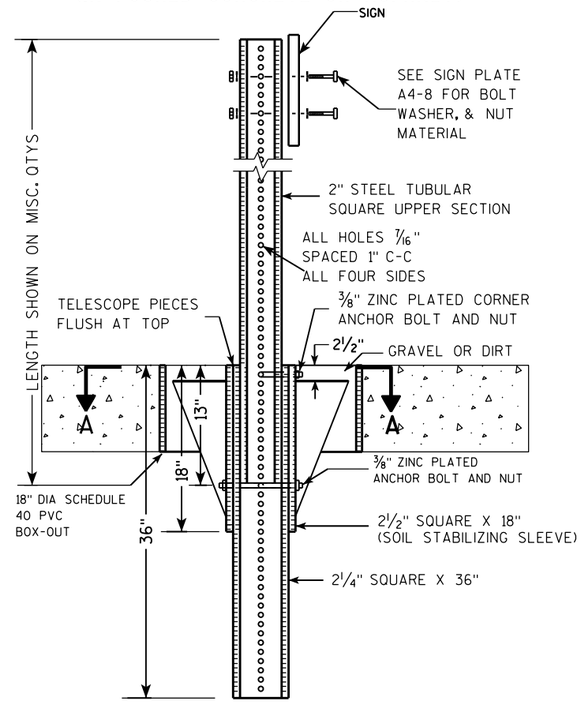
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



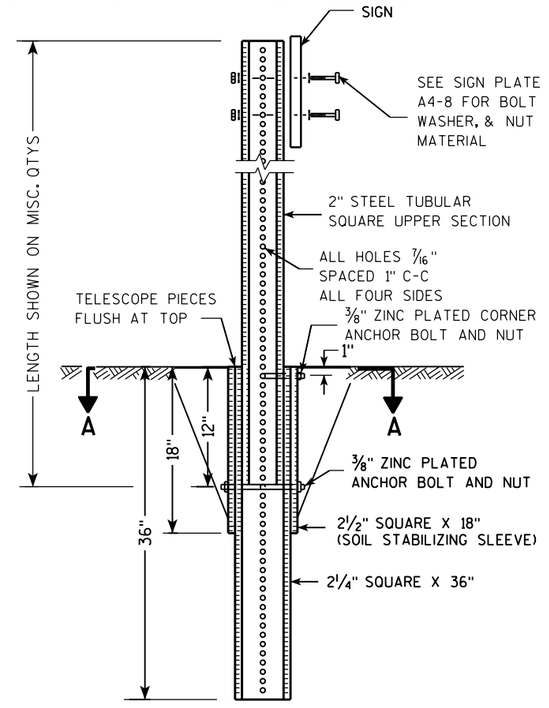
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

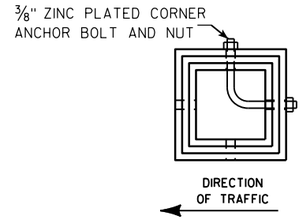


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

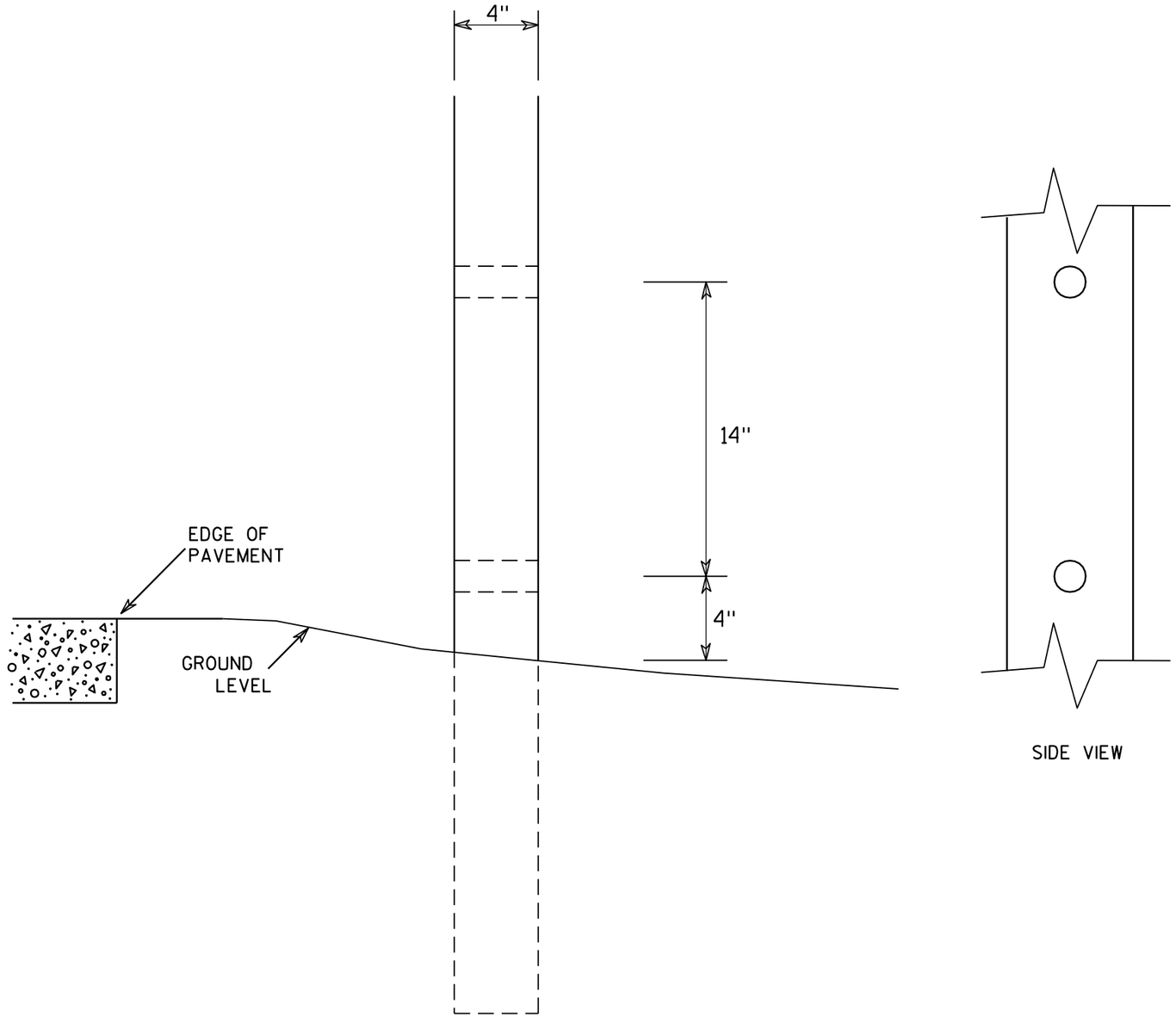
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 881 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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

WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

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

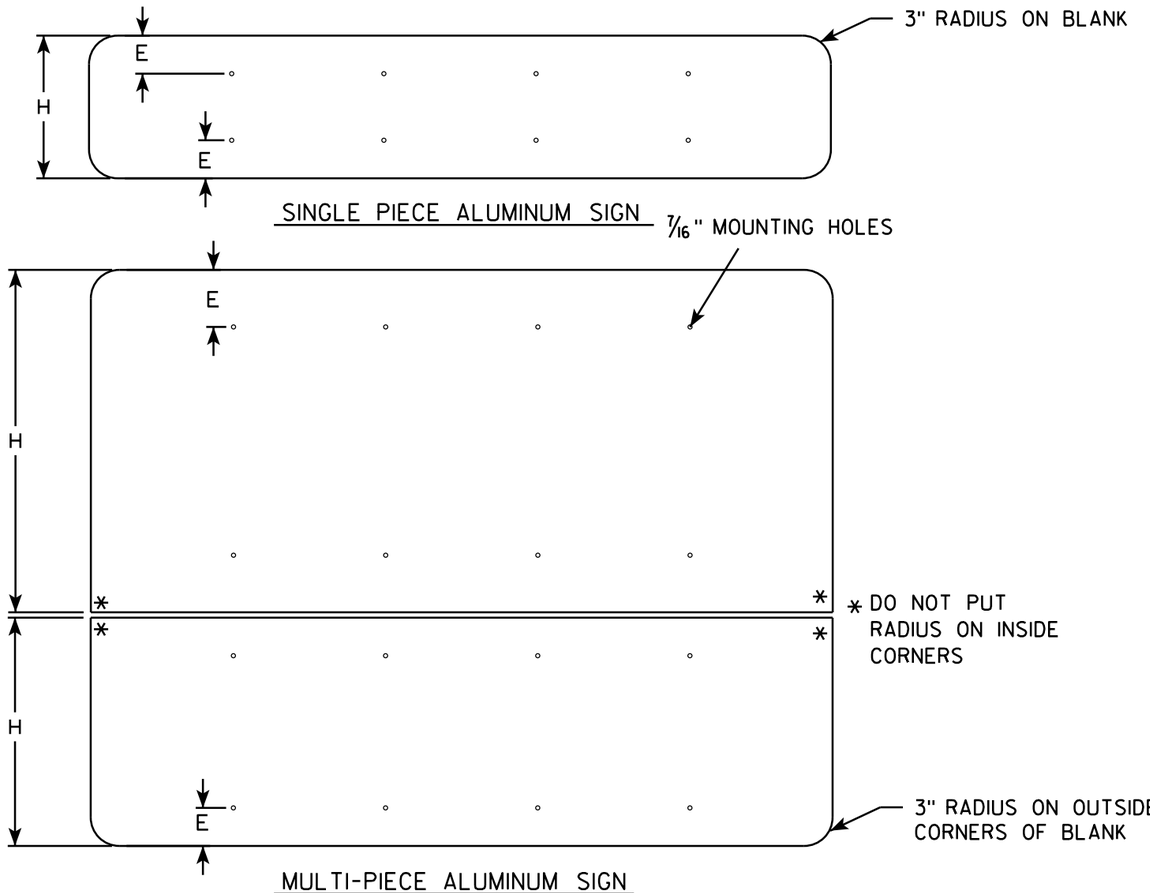
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

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

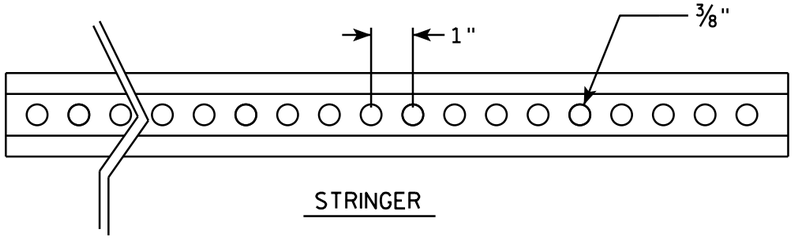
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 882	E



GENERAL NOTES

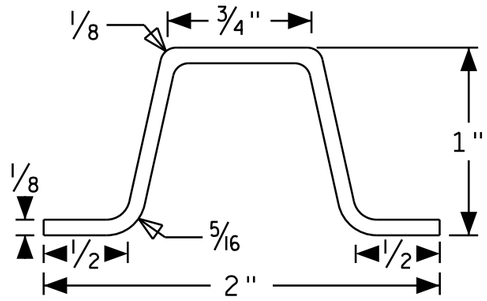
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 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"

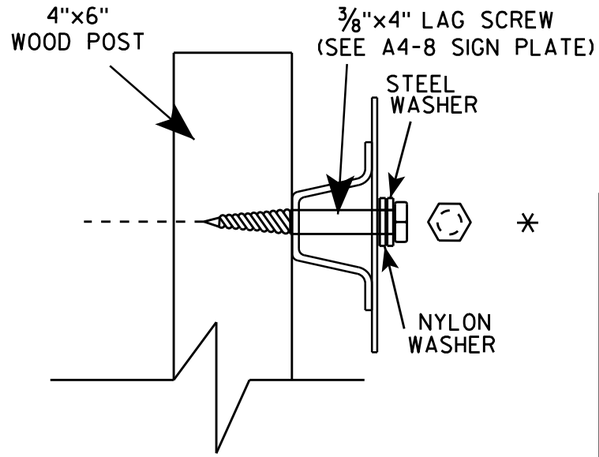


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

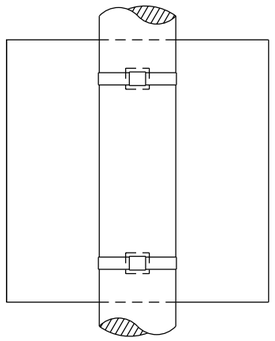
DATE 4/26/16 PLATE NO A4-18.1

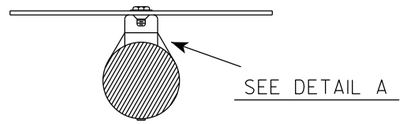
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

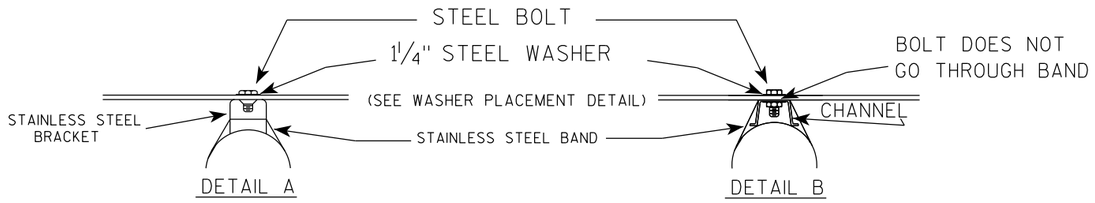
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

SINGLE SIGN



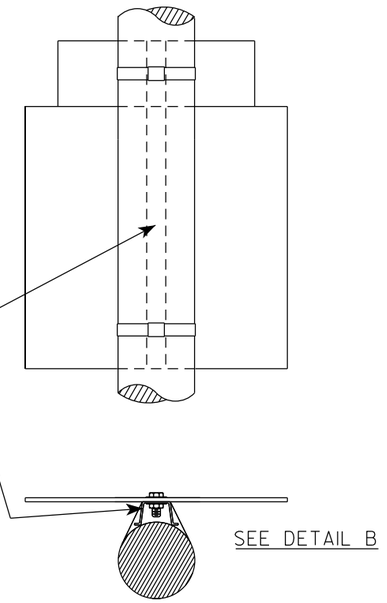




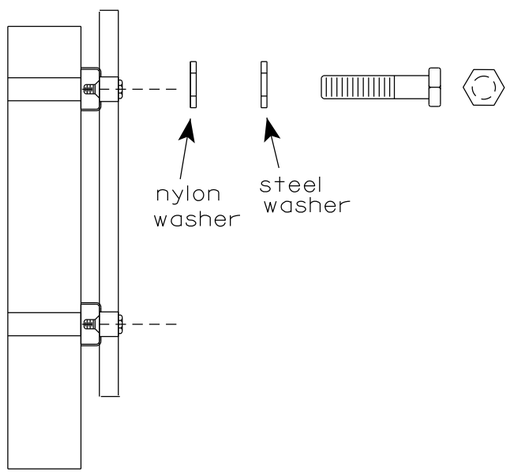
GENERAL NOTES

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

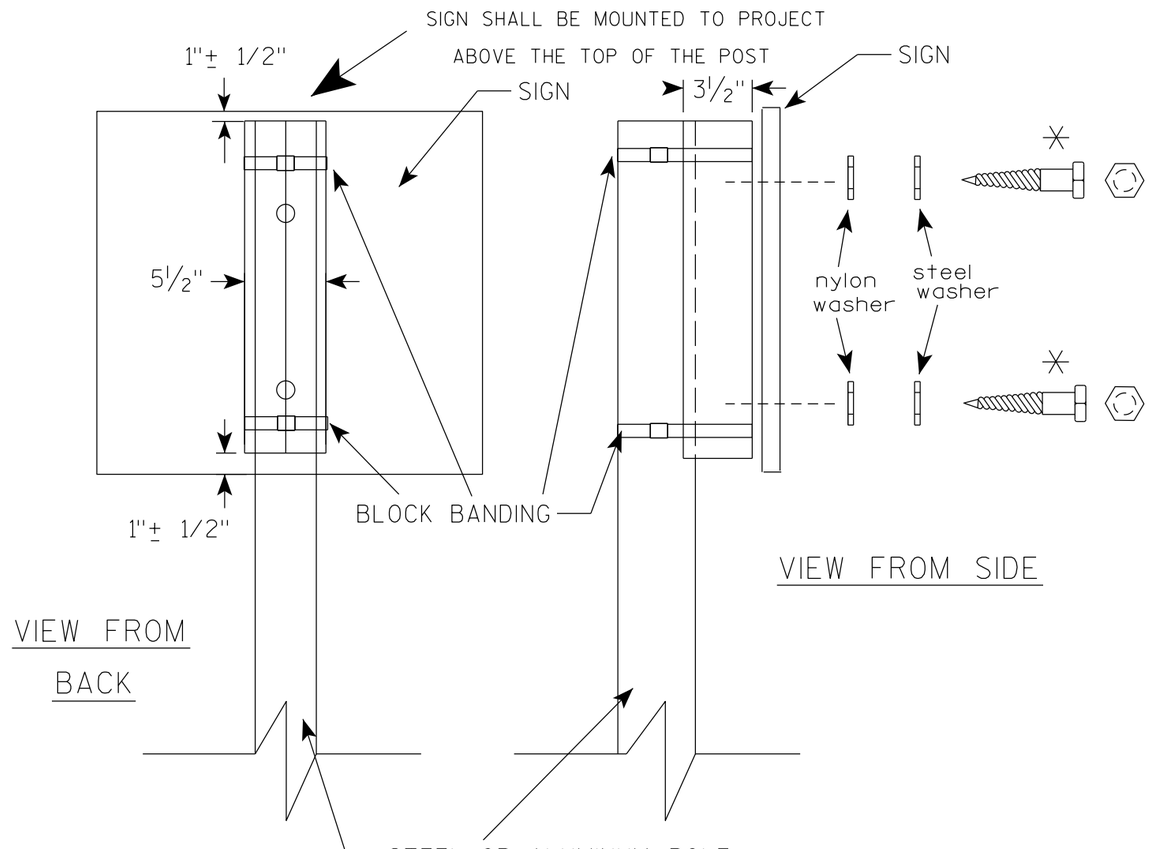
WISCONSIN DEPT OF TRANSPORTATION

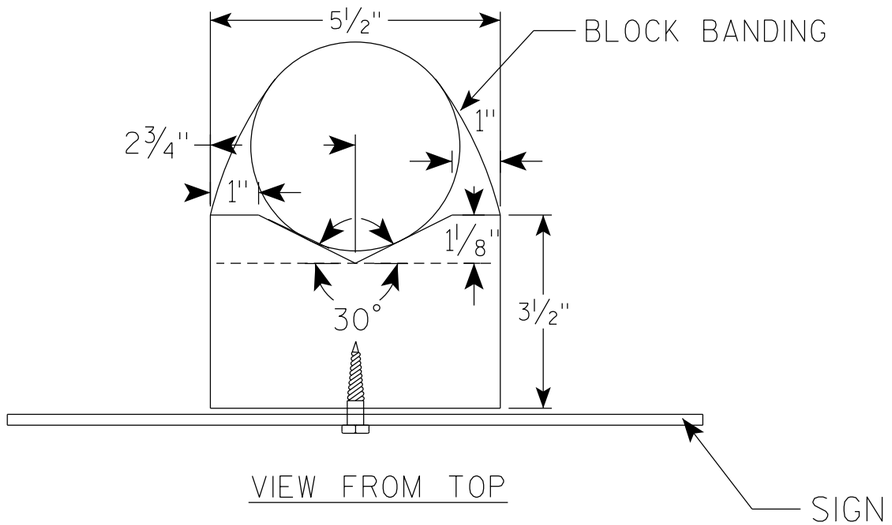
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 884	E

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





GENERAL NOTES

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

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

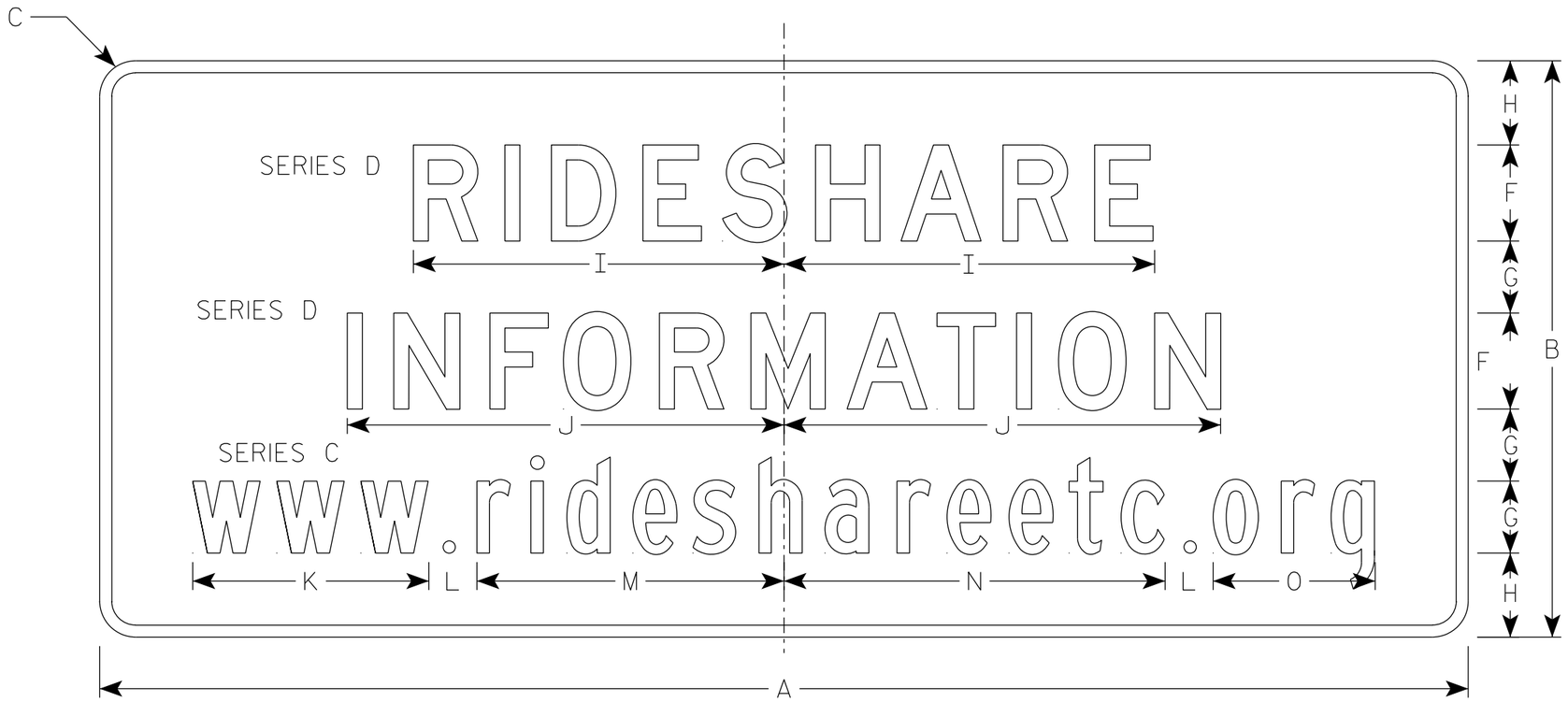
DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 885 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Blue
   Message - White
3. Message Series - Lines 1 & 2 are Series D and Line 3 is Series C



D12-2B

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	84	36	2 1/4		3/4	6	4 1/2	5 1/4	24 1/4	28 5/8	14 3/4	3	19 1/4	23 7/8	10 1/8												21.0
2M	84	36	2 1/4		3/4	6	4 1/2	5 1/4	24 1/4	28 5/8	14 3/4	3	19 1/4	23 7/8	10 1/8												21.0
3	84	36	2 1/4		3/4	6	4 1/2	5 1/4	24 1/4	28 5/8	14 3/4	3	19 1/4	23 7/8	10 1/8												21.0
4	114	48	3		1	8	6	7	30 7/8	36 3/8	19 3/4	4 1/4	25 5/8	31 3/4	13 1/2												38.0
5	114	48	3		1	8	6	7	30 7/8	36 3/8	19 3/4	4 1/4	25 5/8	31 3/4	13 1/2												38.0

STANDARD SIGN
D12-2B

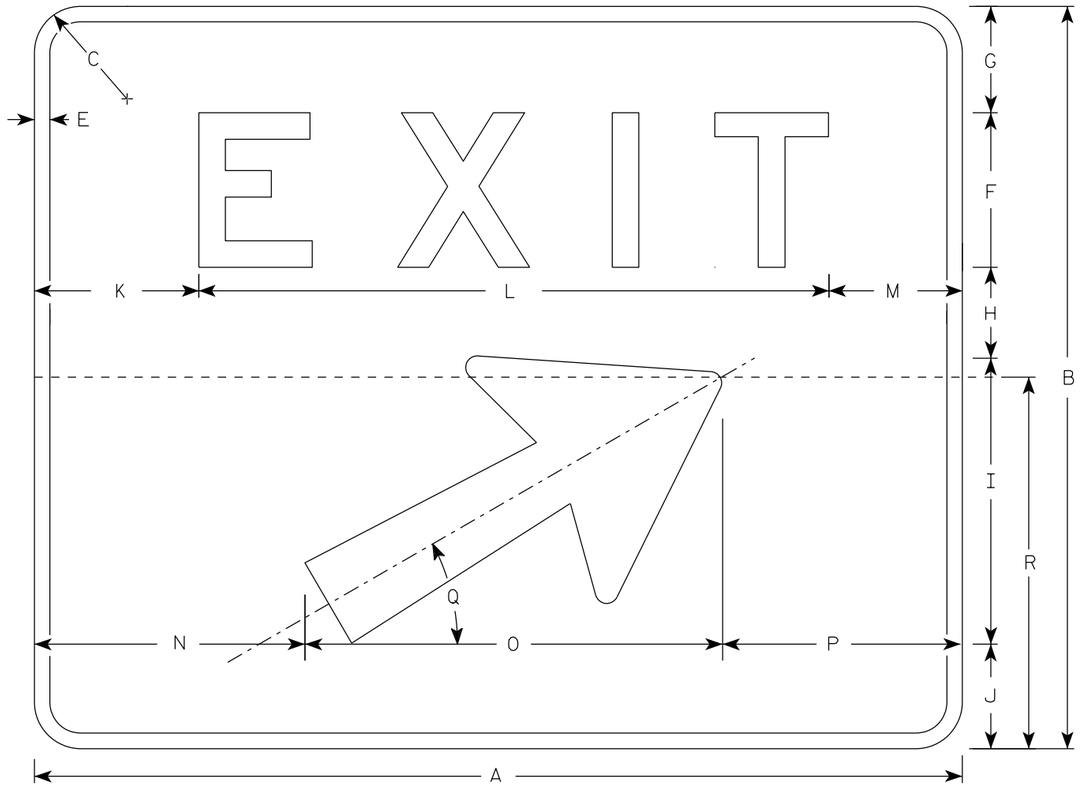
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/6/24 PLATE NO. D12-2B.4

PROJECT NO:

SHEET NO: 886 E



E5-1

NOTES

1. Sign is Type II - Type H reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E
4. Sign shall be split into two seperate pieces as shown on the detail by the dashed line (----------) for sizes 4 & 5.
5. Arrow is Type "A" from sign plate A1-1.
6. As per the Standard Spec's, this sign shall not have a vertical joint.
7. Size 3 E5-1 shall only be used in a Work Zone application with a Temporary Sign Support

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																											
2M																											
3	48	48	3		1	10	6 7/8	5 7/8	18 1/2	6 3/4	8 1/2	31 1/8	8 3/8	11 1/2	27	9 1/2	30°	30									16.0
4	60	48	3		1	10	6 7/8	5 7/8	18 1/2	6 3/4	10 5/8	40 3/4	8 5/8	17 1/2	27	15 1/2	30°	30									20.0
5	72	60	3		1	12	9 3/4	10	18 1/2	9 3/4	13 1/4	48 1/2	10 1/4	23 1/2	27	21 1/2	30°	30									30.0

STANDARD SIGN

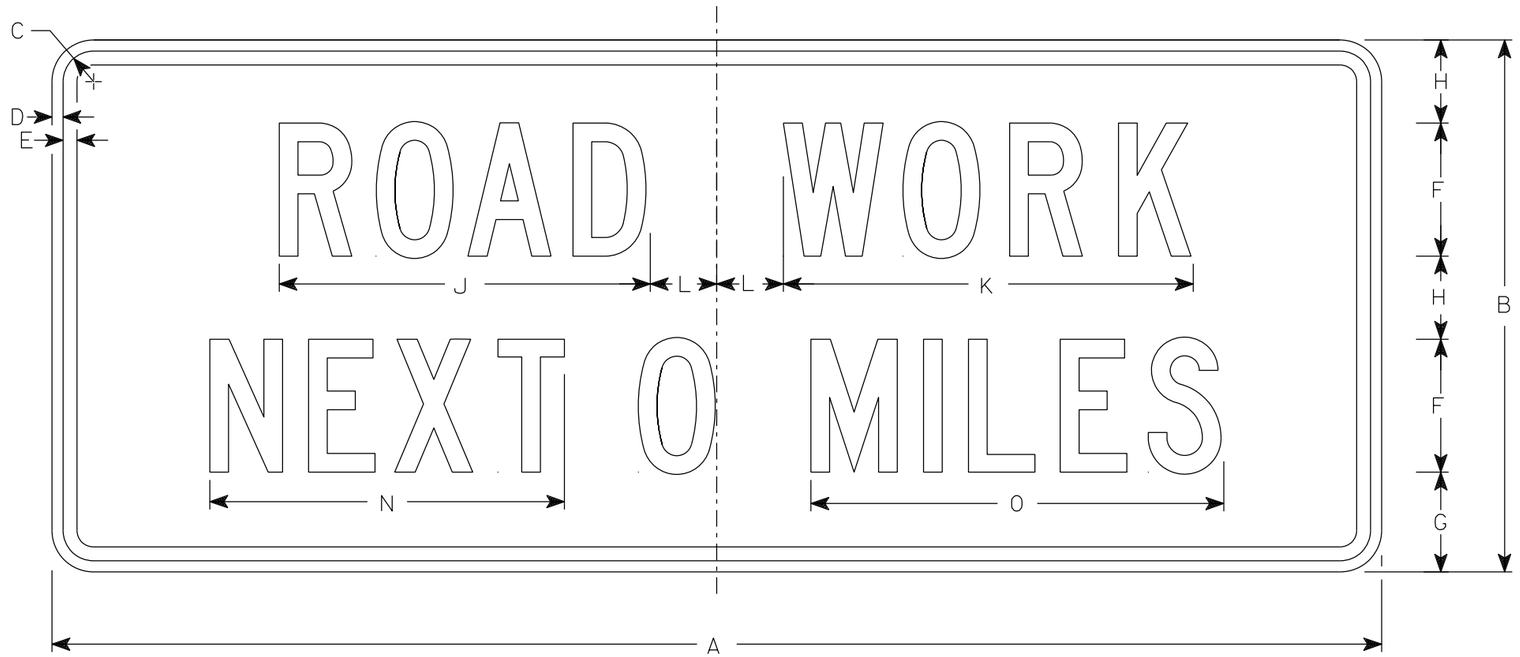
E5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. E5-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 887	E



G20-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10.0
2M	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10.0
3	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10.0
4	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10.0
5	60	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4		16 3/4	18 1/2	3		16	18 5/8												10.0

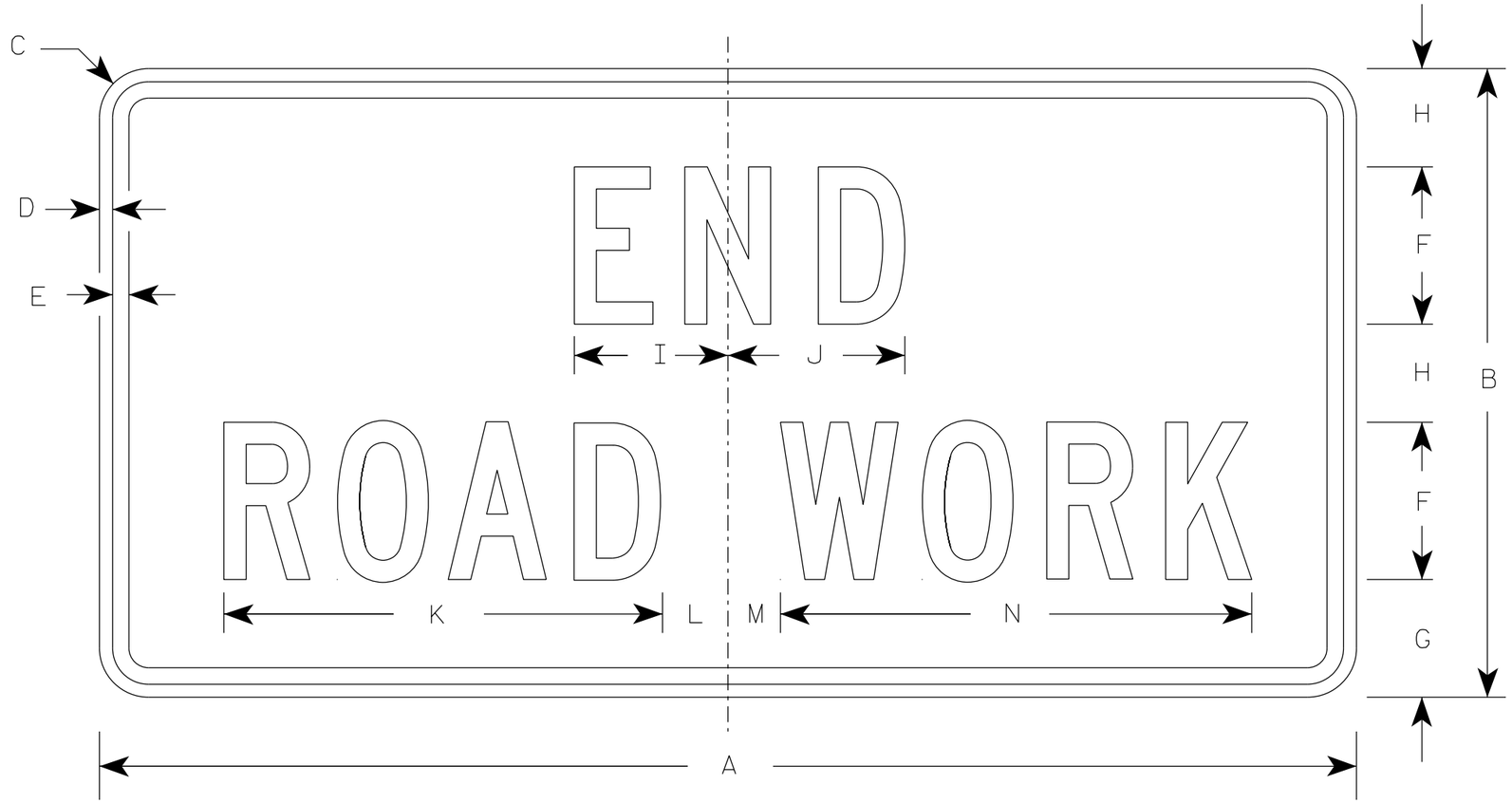
STANDARD SIGN
G20-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-1.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 888	E



G20-2A

NOTES

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

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

STANDARD SIGN

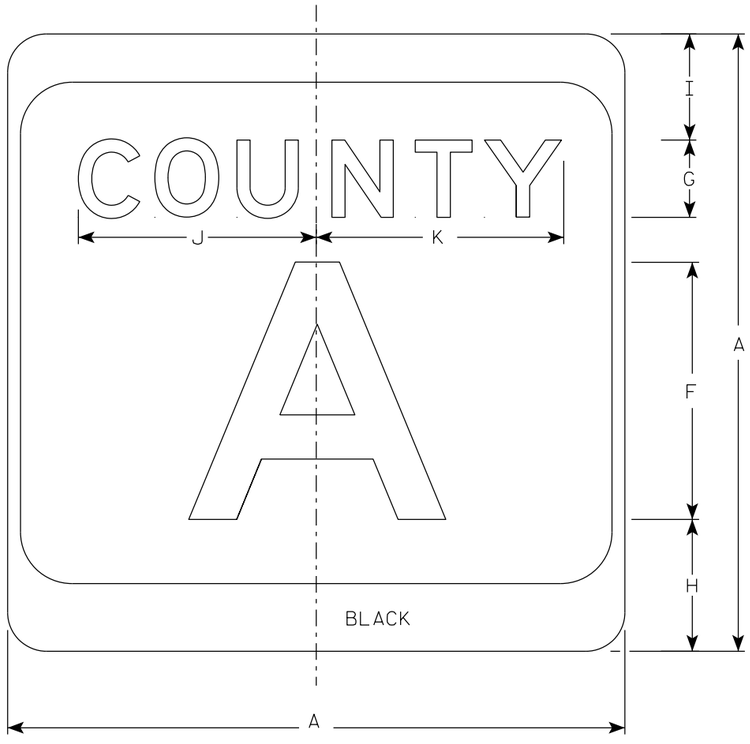
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

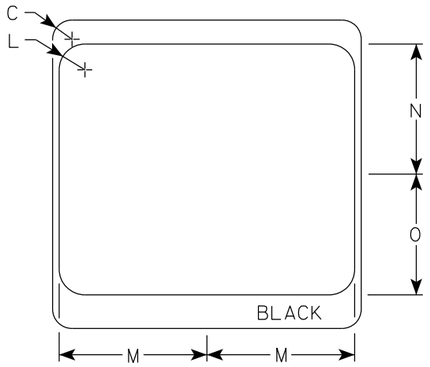
APPROVED Matthew R Rauch
for State Traffic Engineer

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

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

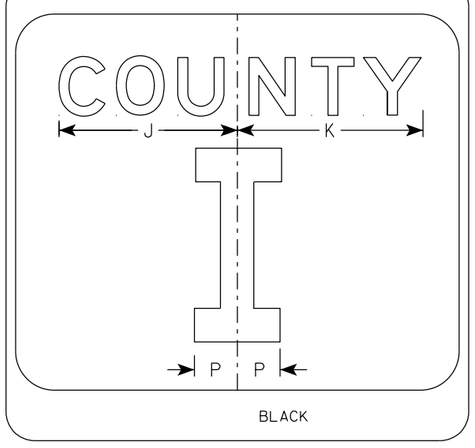


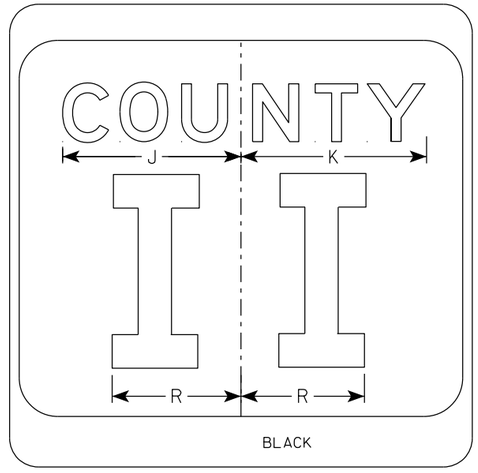
M1-5A



NOTES

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





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

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

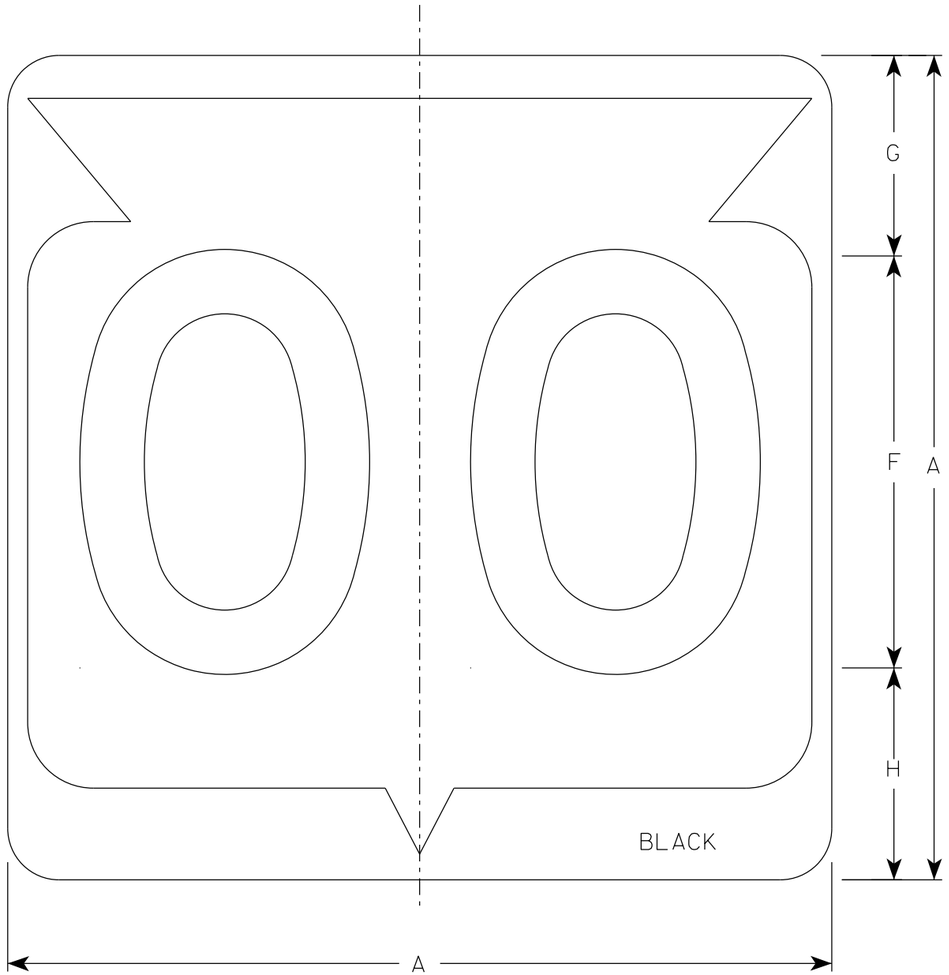
DATE 11/8/2022 PLATE NO. M1-5A.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

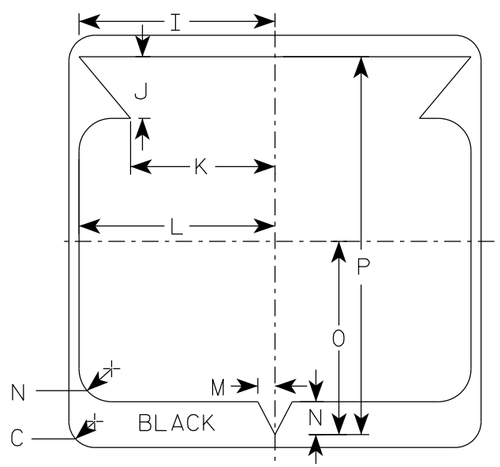
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn PLOT DATE : 8-NOV 2022 8:26 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7



M1-6



NOTES

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

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

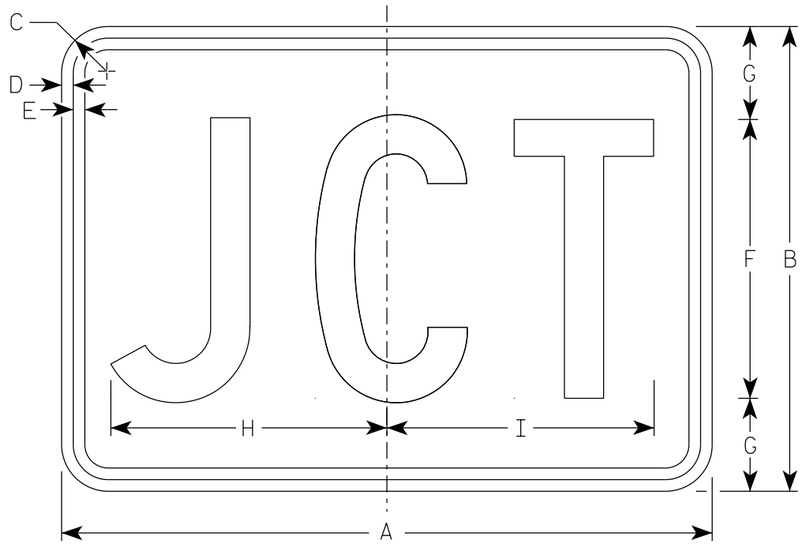
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

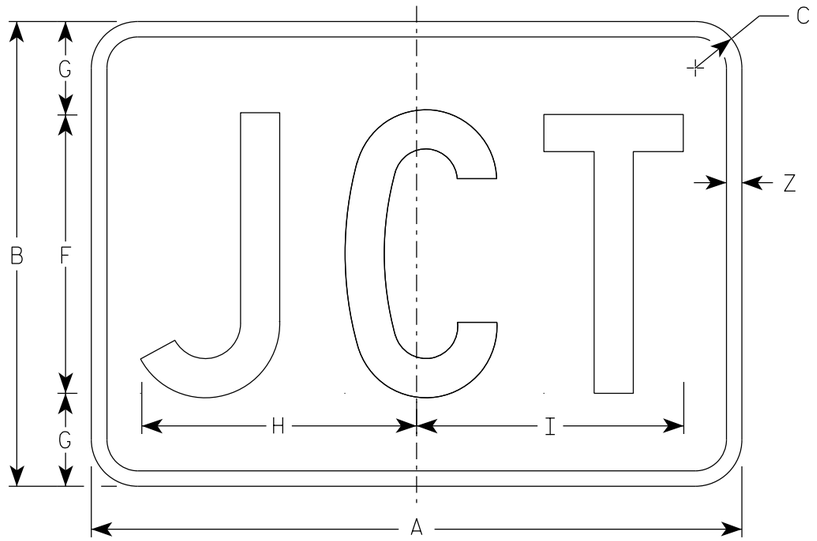
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 891	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
2M	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
3	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
4	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
5	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40

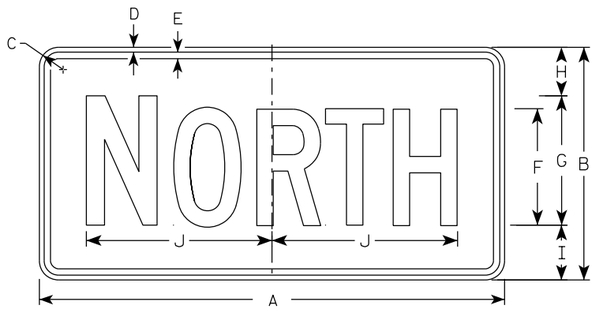
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

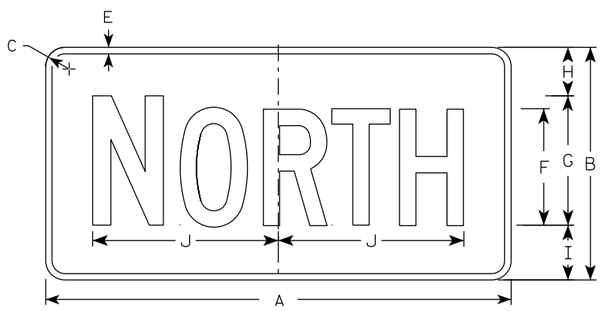
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M2-1.14

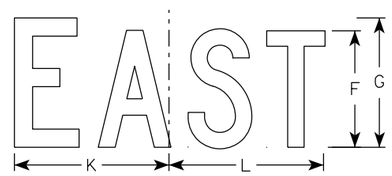
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 892 | E



M3-1
MM3-1
MP3-1



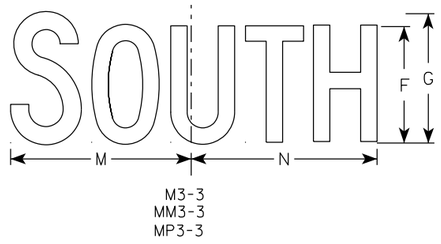
MB3-1
MK3-1
MN3-1



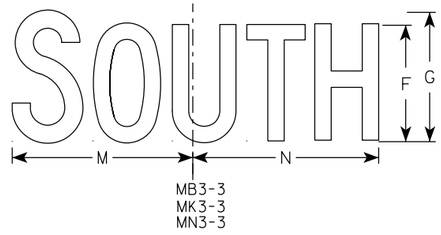
M3-2
MM3-2
MP3-2



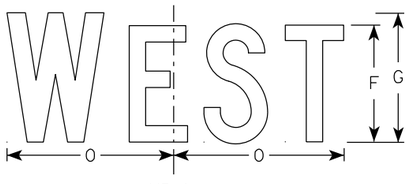
MB3-2
MK3-2
MN3-2



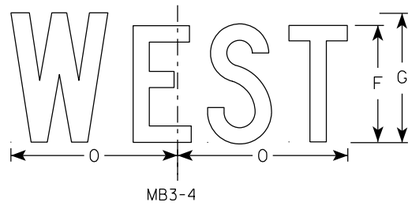
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

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

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

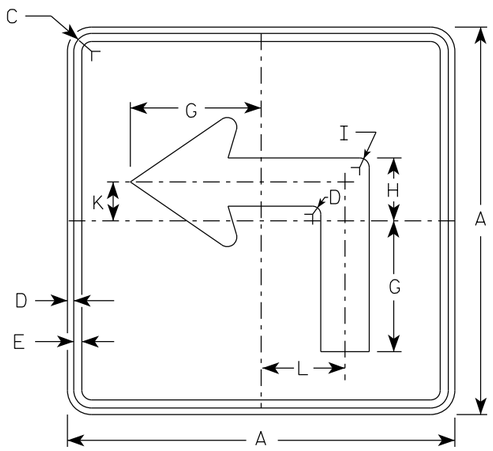
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

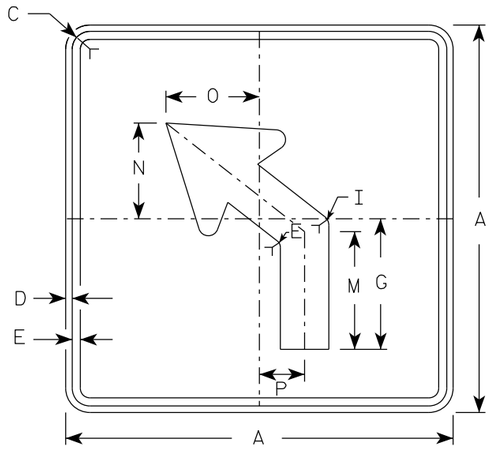
APPROVED Matthew R Rauch
For State Traffic Engineer

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

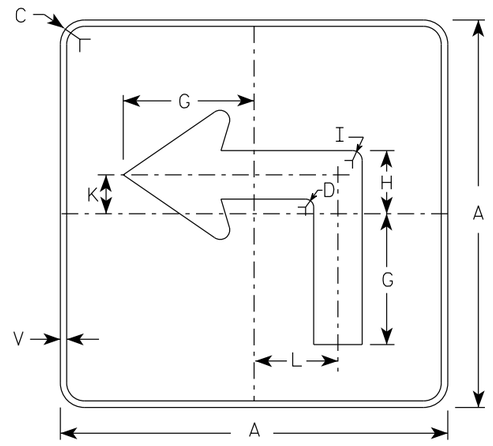
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 893 | E



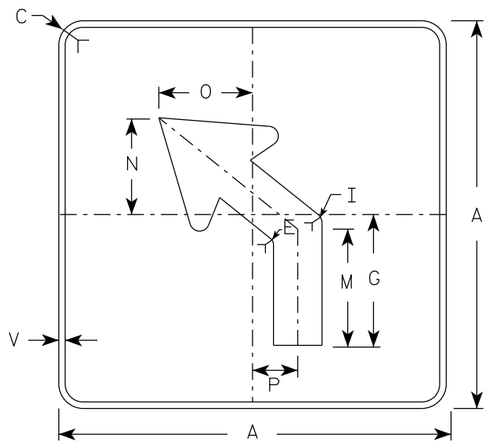
M5-1L
MM5-1L
MO5-1L
MP5-1L



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



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

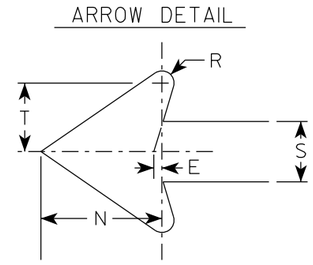


MB5-2L
MK5-2L
MN5-2L
MR5-2L

NOTES

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

ARROW DETAIL



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

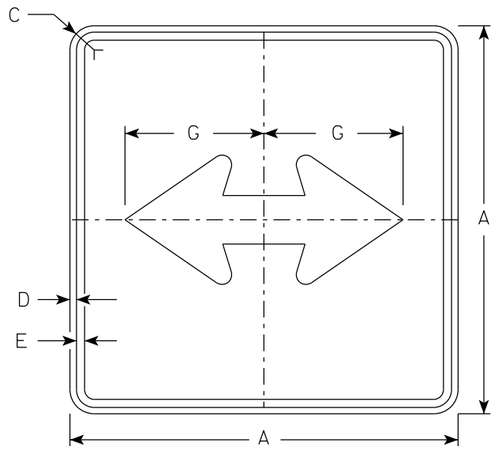
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

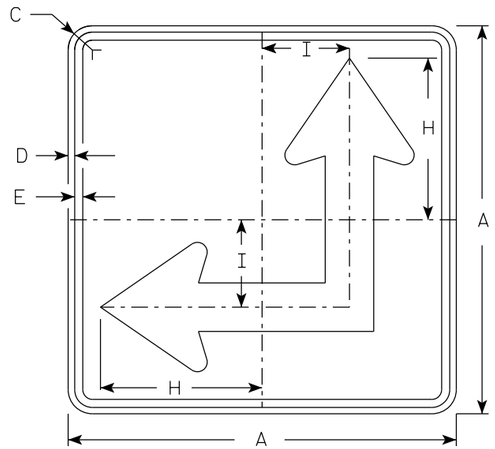
APPROVED Matthew R Rauch
for State Traffic Engineer

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

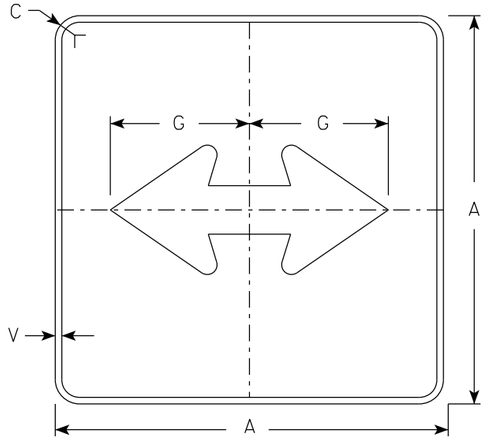
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 894 | E



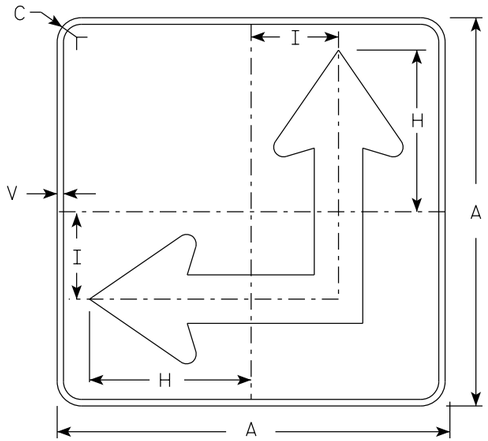
M6-4
MM6-4
MO6-4
MP6-4



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



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

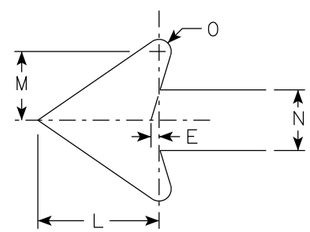


MB6-6
MK6-6
MN6-6
MR6-6

NOTES

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

ARROW DETAIL



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

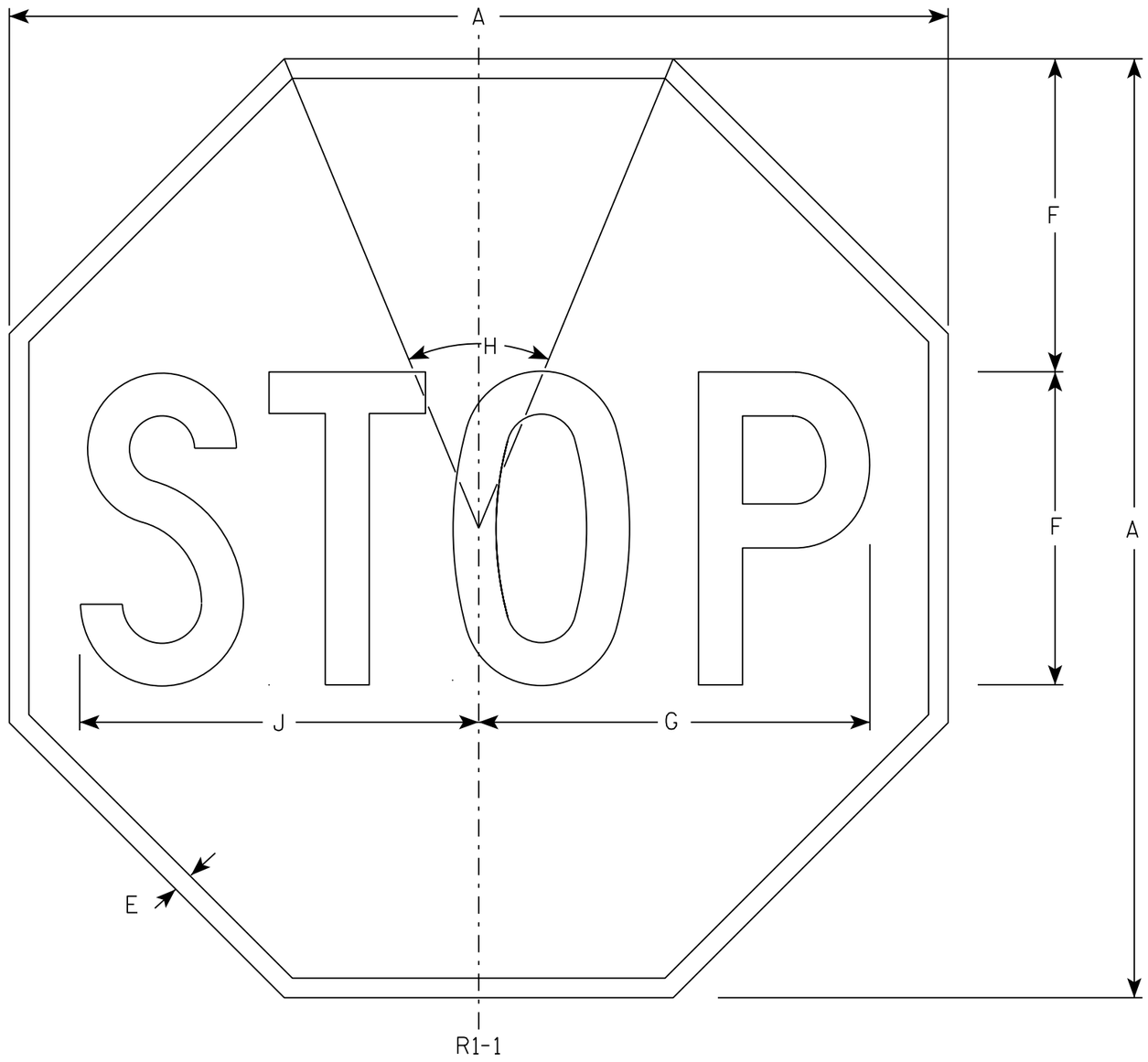
STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 895 | E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

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

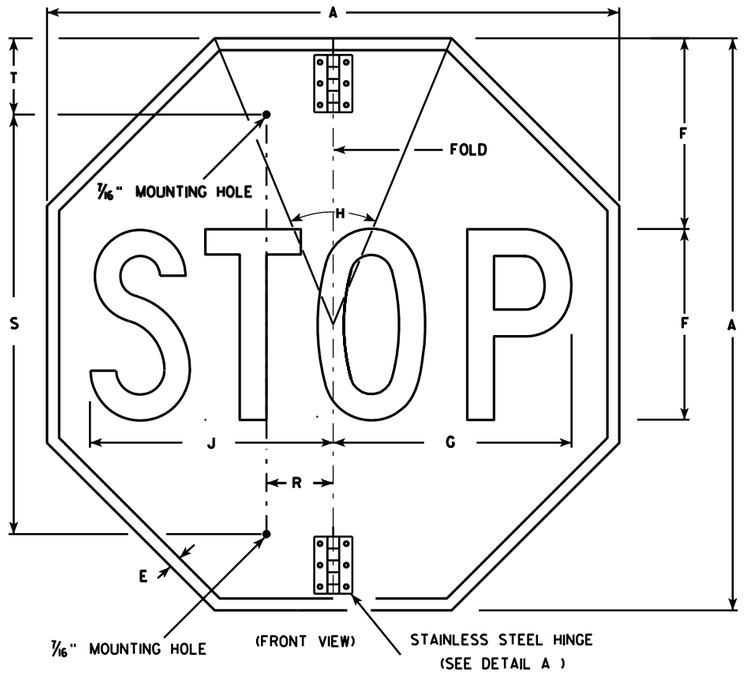
R1-1

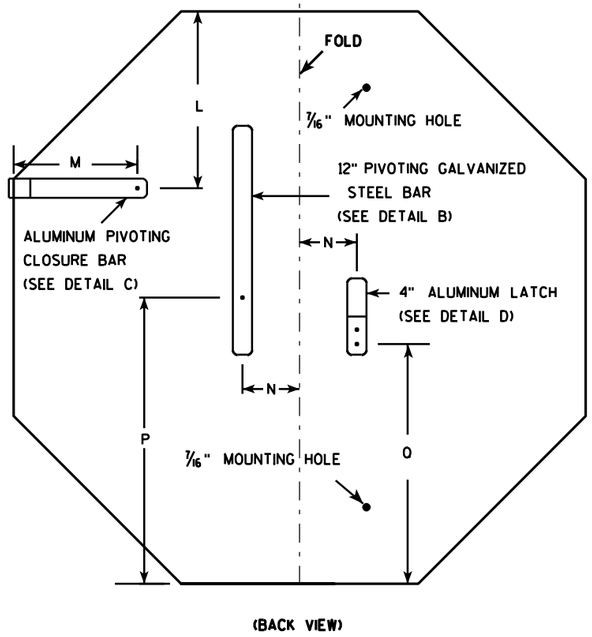
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

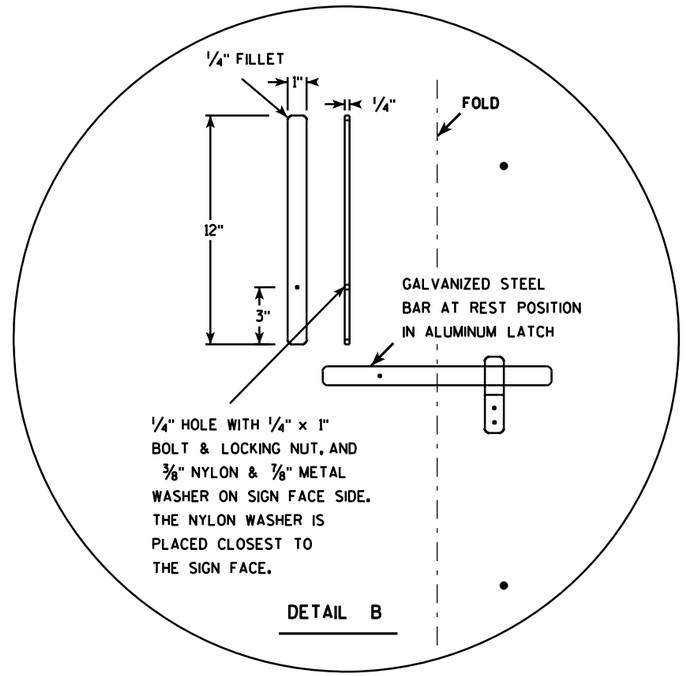
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 896	E

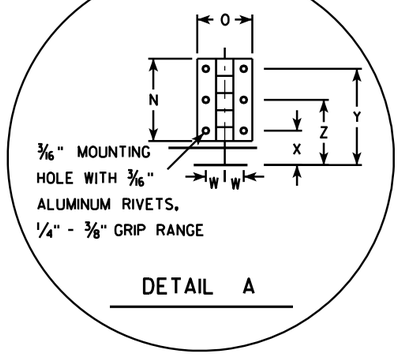


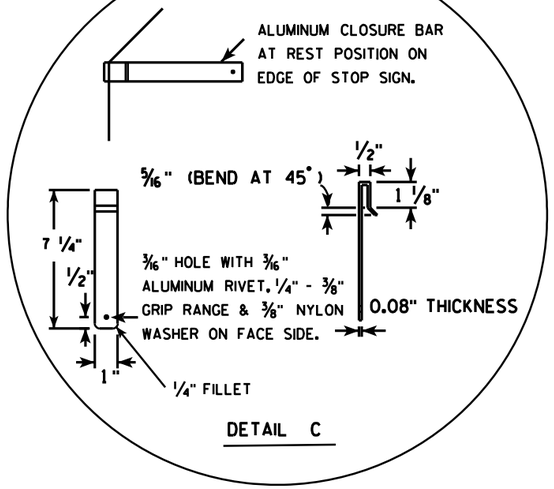


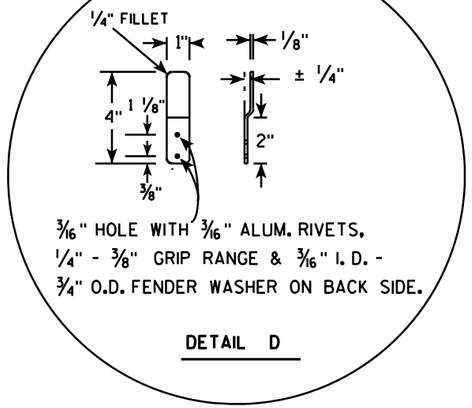
NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.









SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

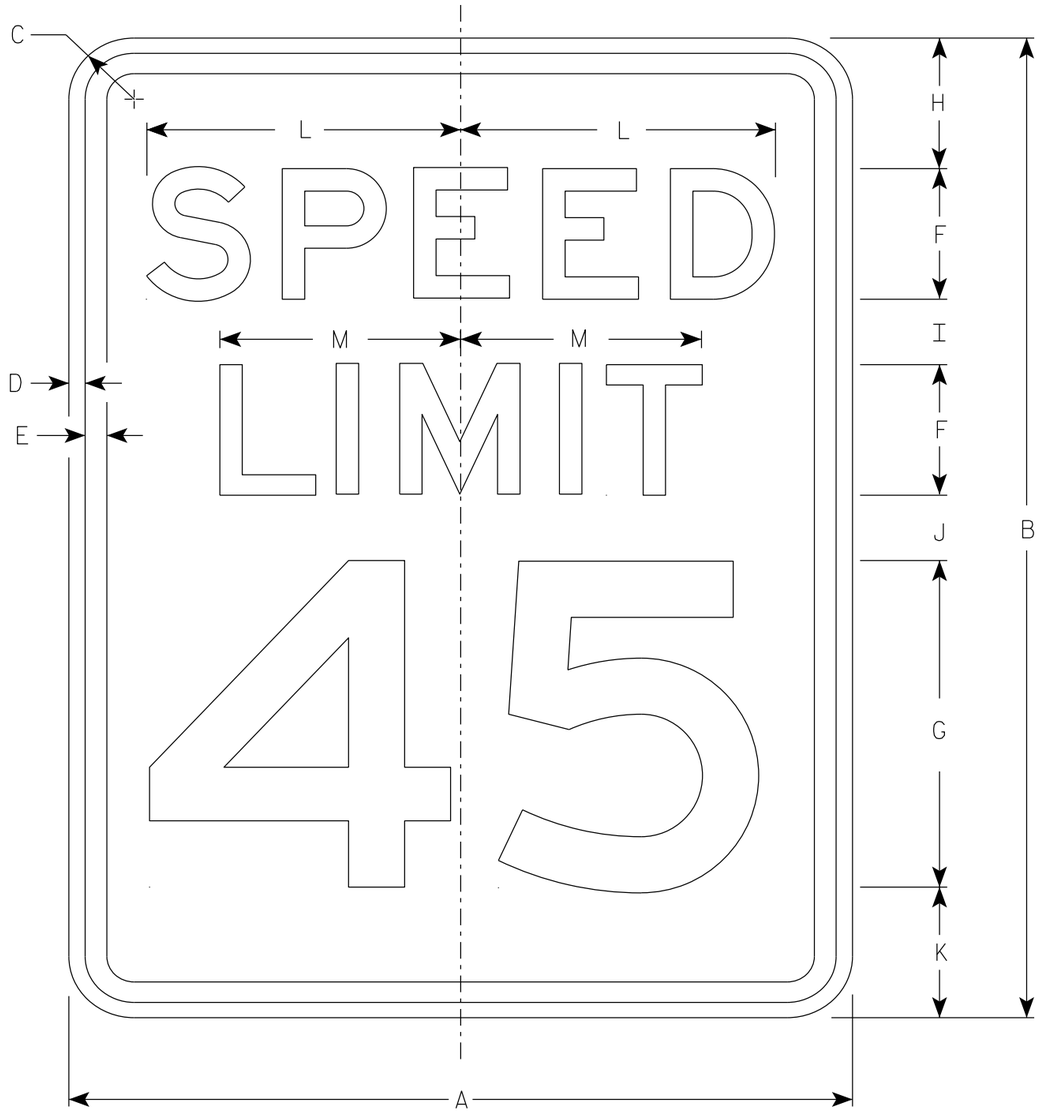
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 897	E



R2-1

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	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 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	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

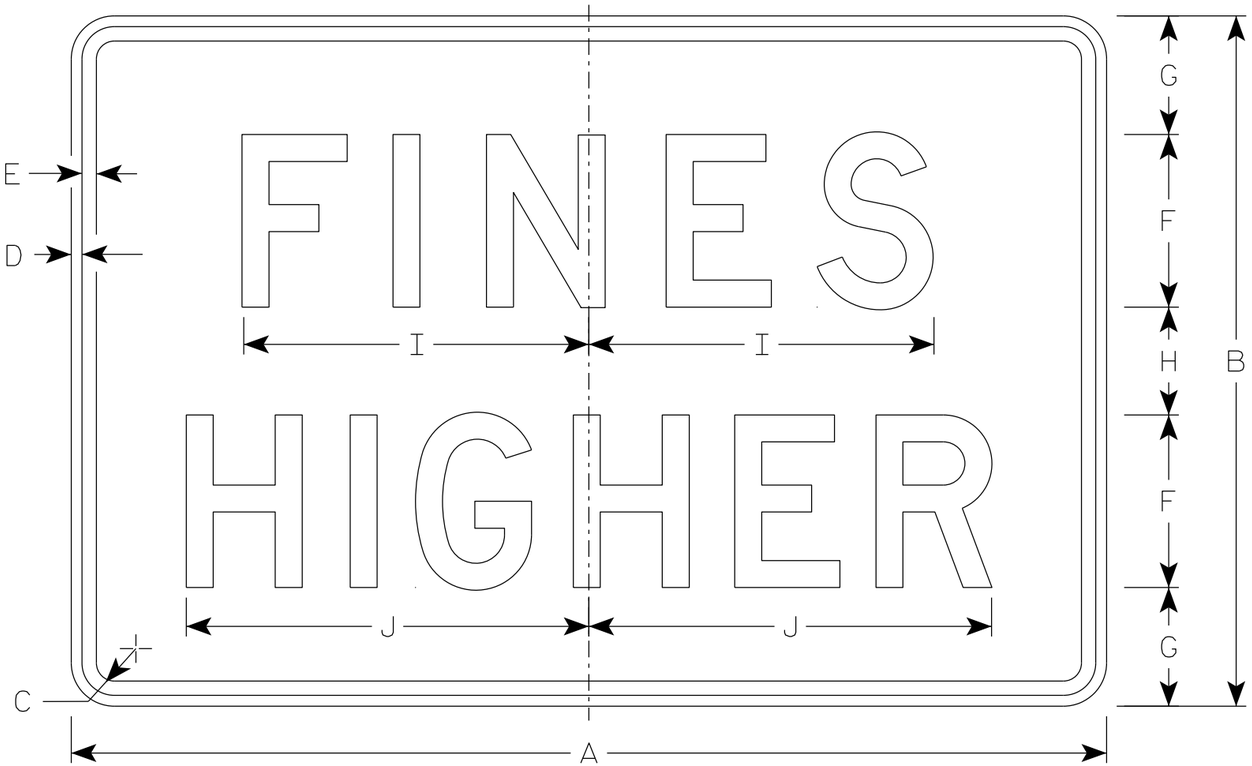
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 898 | E

NOTES

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



R2-6P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/2	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/2	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/2	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/2	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 7/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

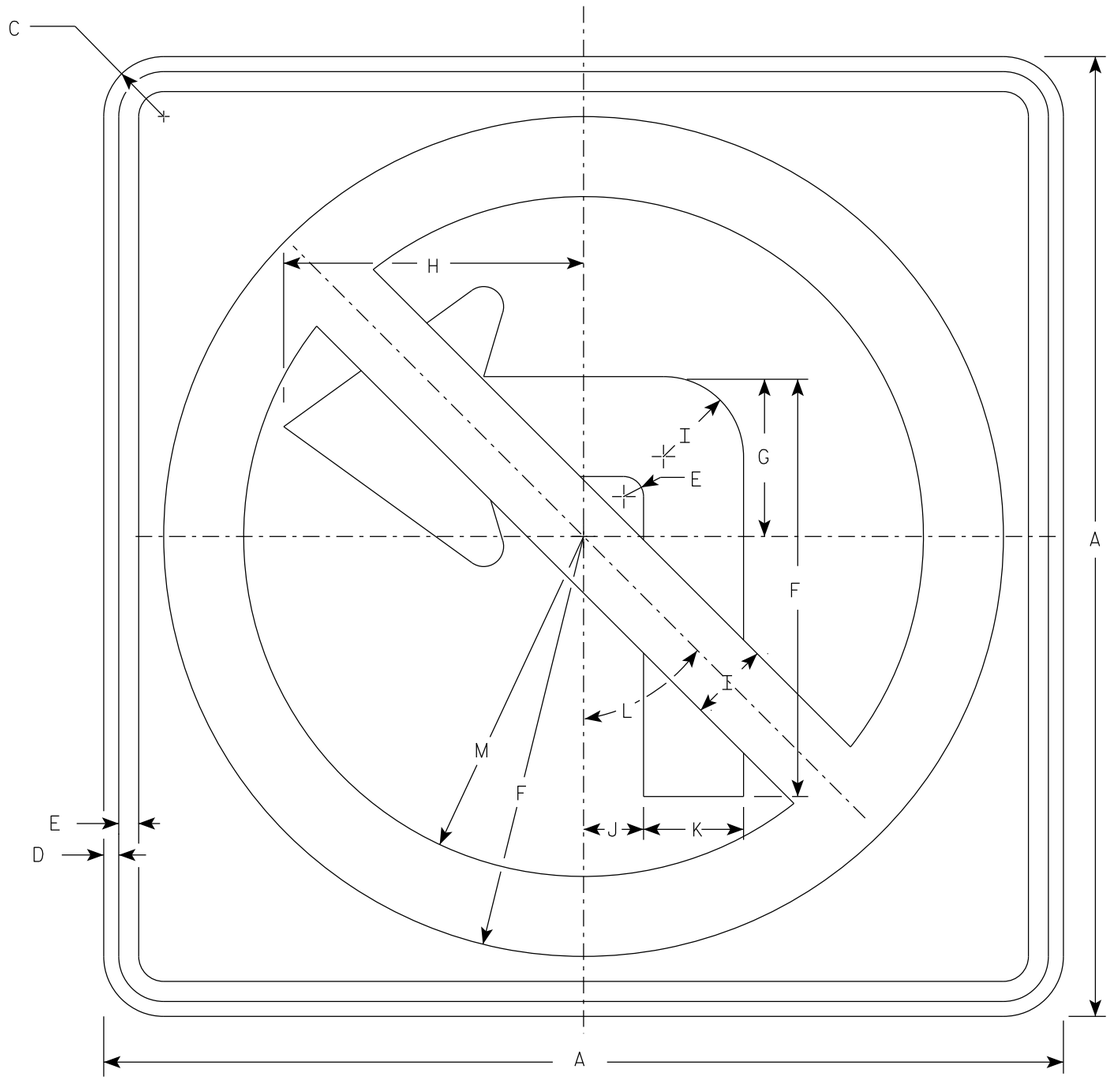
STANDARD SIGN
R2-6P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-6P.3

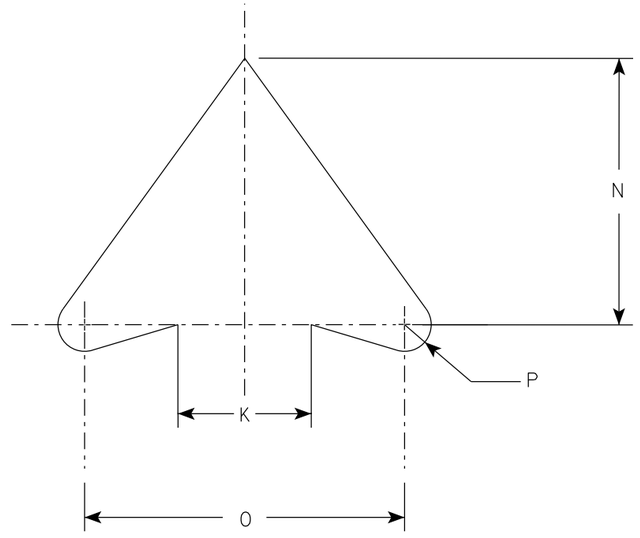
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 899 | E



R3-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

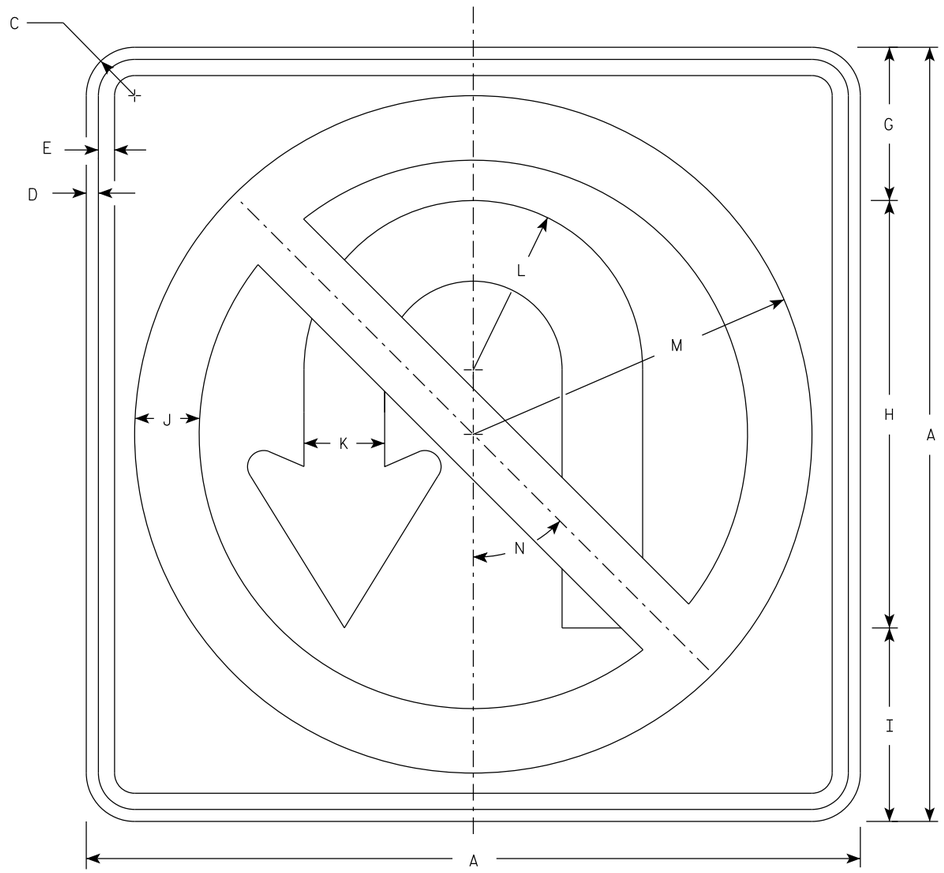
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-2.11

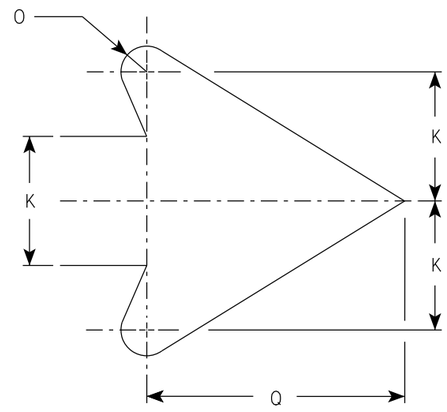
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 900 | E



R3-4

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/2	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		2 1/4	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

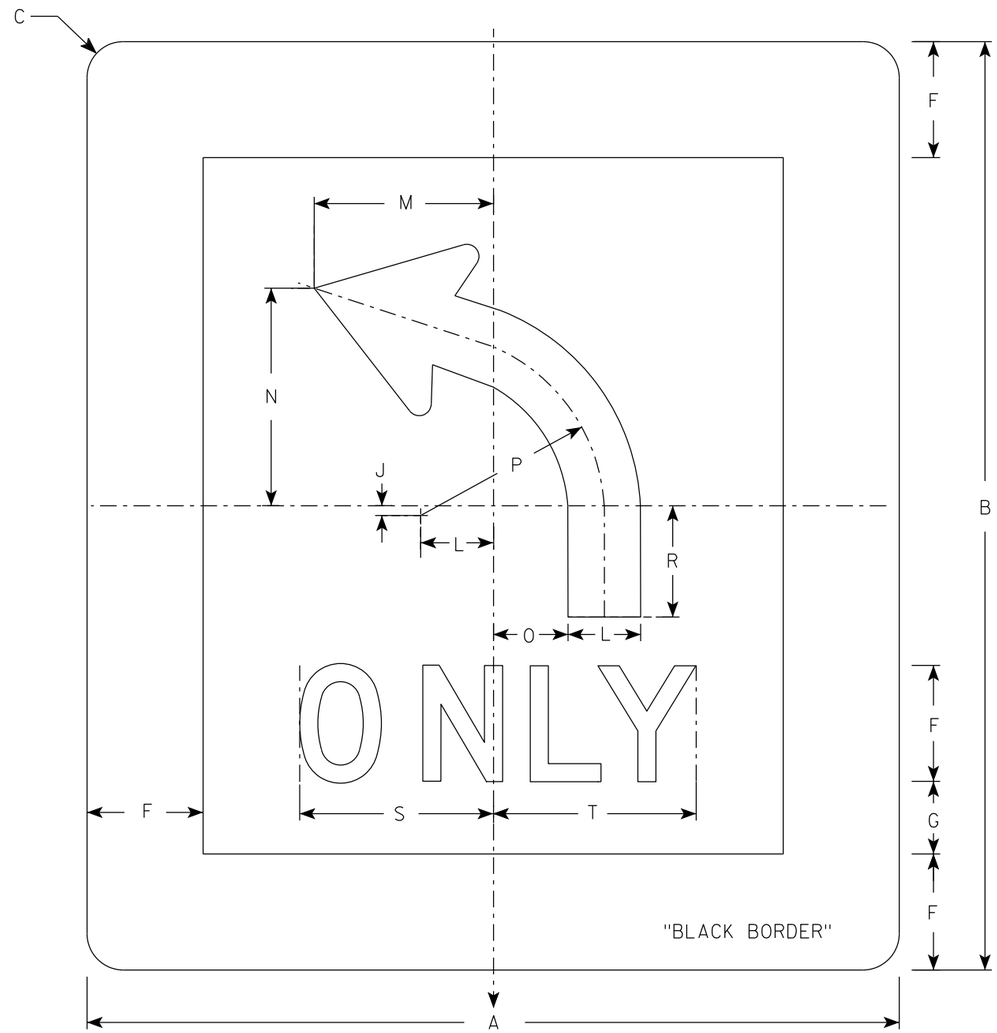
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/23 PLATE NO. R3-4.12

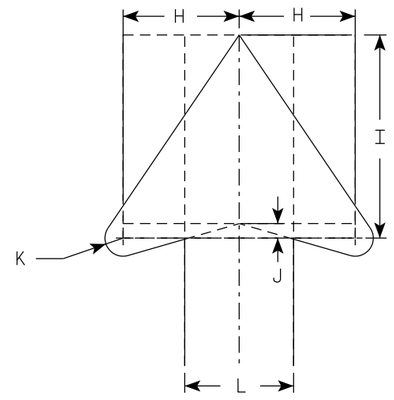
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 901	E



R3-5L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R3-5R is the same as R3-5L except curved portion of arrow points right.
5. The 6" border is non-reflective black.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	42	48	1 7/8			6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							14.0
2M	42	48	1 7/8			6	3 3/4	4	7	1/2	5/8	3 3/4	9 1/4	11 1/4	3 7/8	9 1/2		5 3/4	10	10 1/2							14.0
3																											
4																											
5																											

STANDARD SIGN
R3-5

WISCONSIN DEPT OF TRANSPORTATION

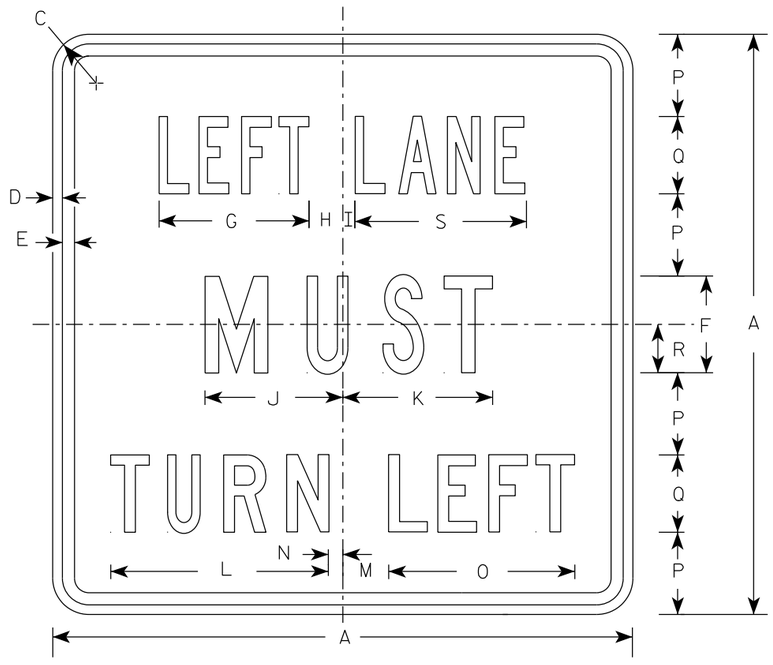
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/26/24 PLATE NO. R3-5.7

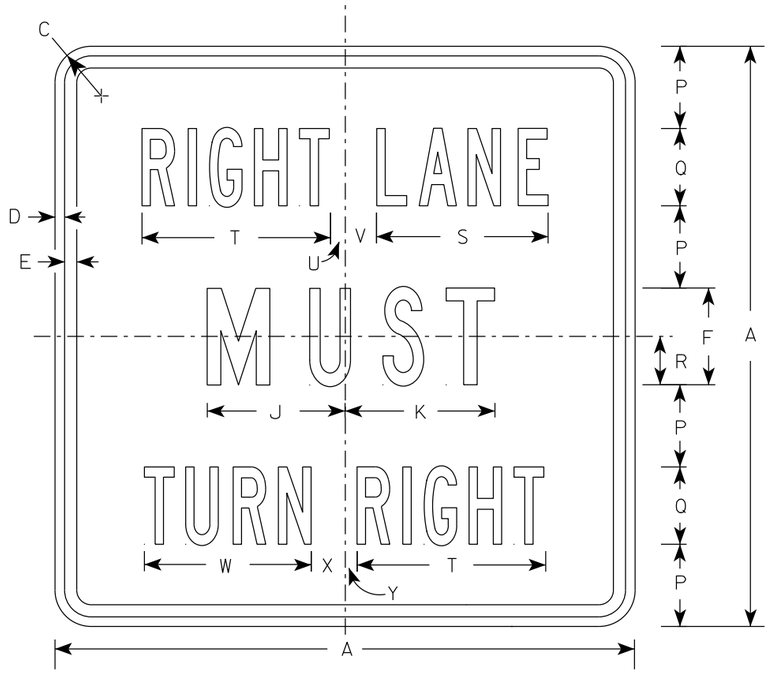
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 902 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.



R3-7L



R3-7R

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 7/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 7/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		2 1/4	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

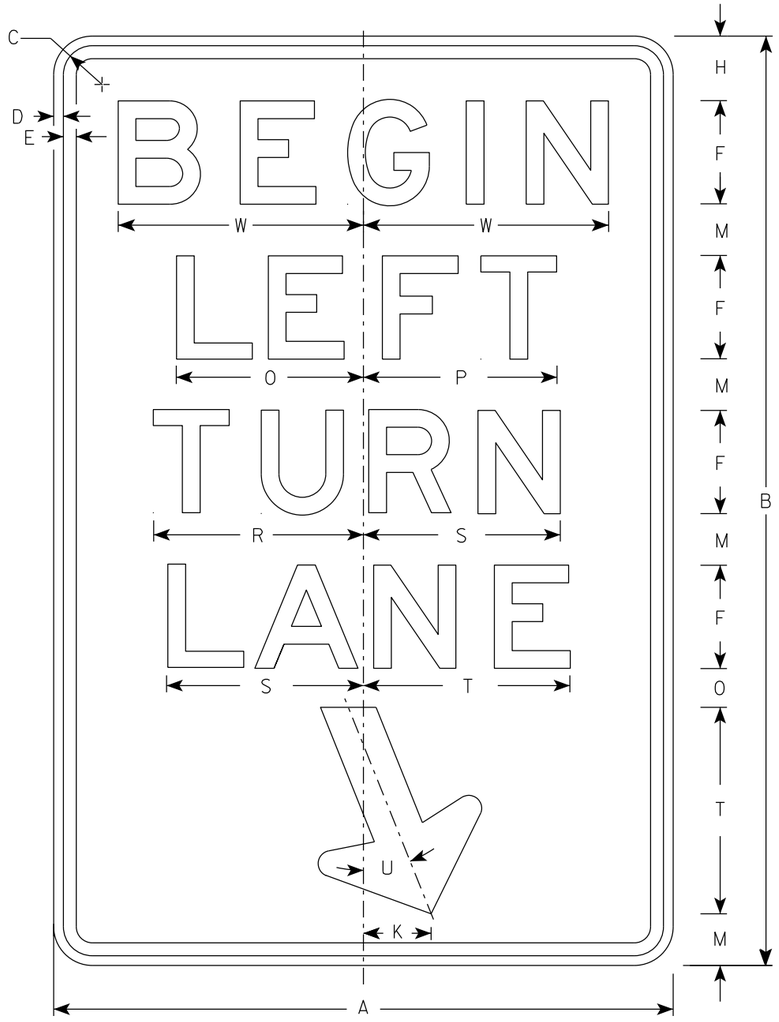
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/23 PLATE NO. R3-7.4

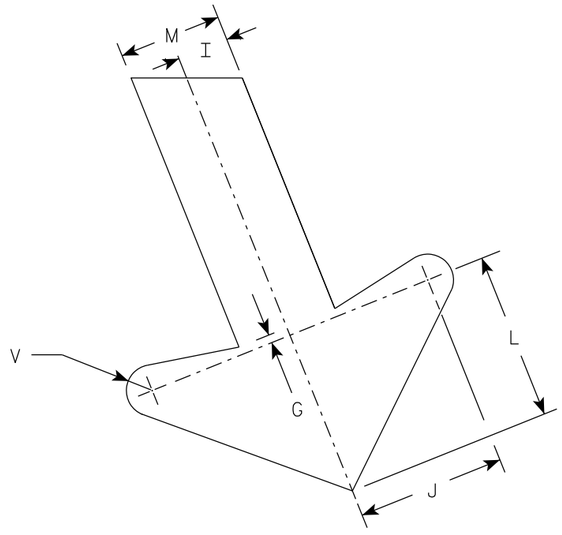
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 903 | E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - 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	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

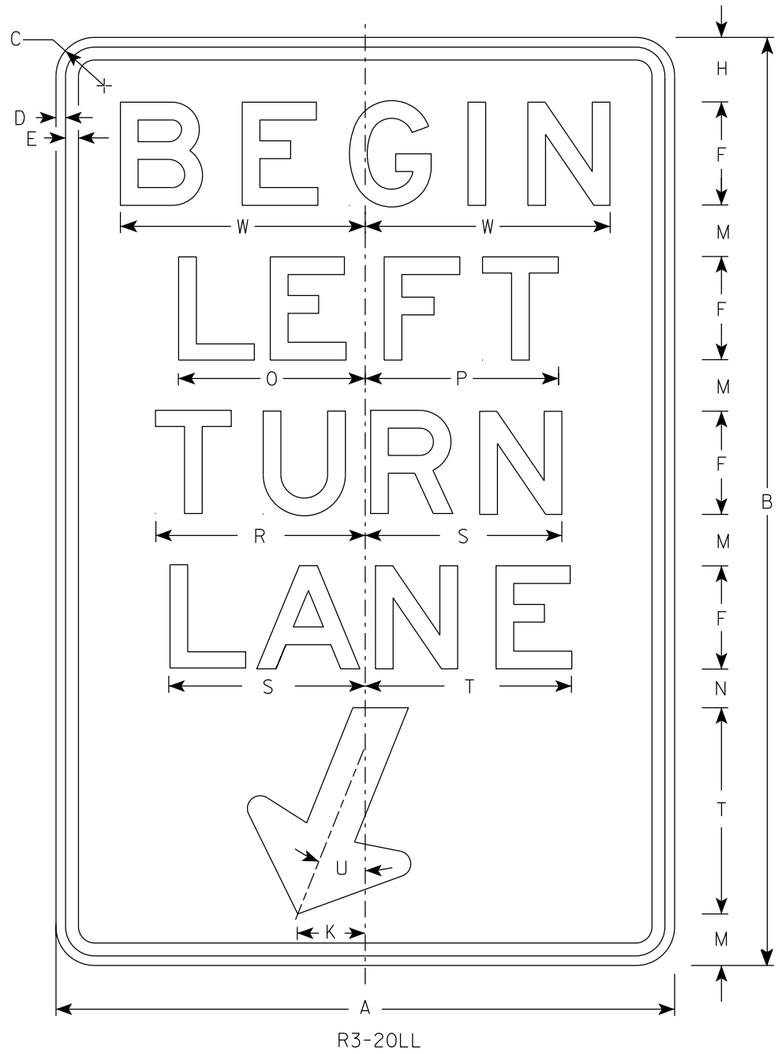
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20L.8

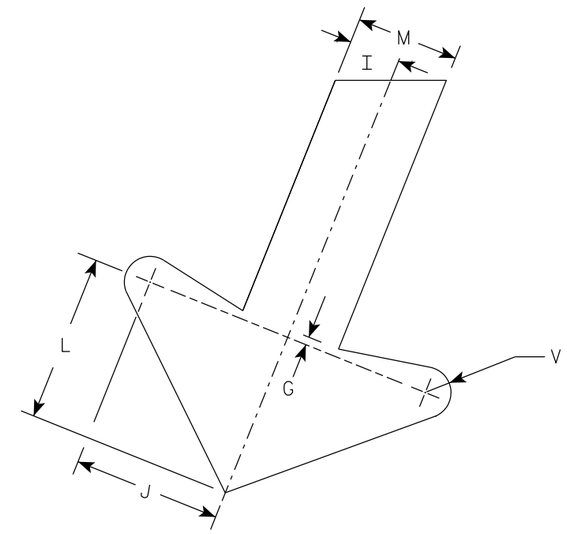
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 904 | E



R3-20LL

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - 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	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

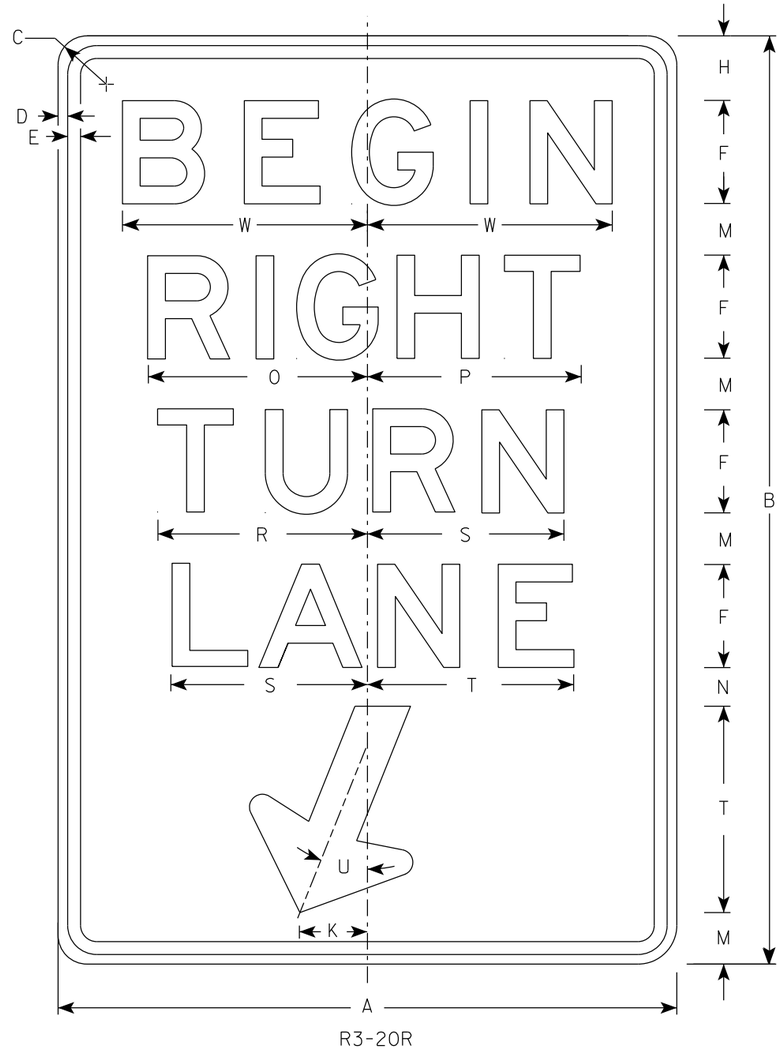
STANDARD SIGN
R3-20LL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20LL.2

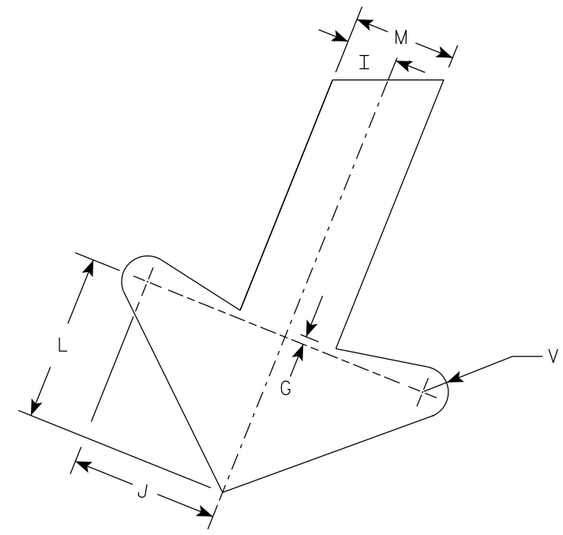
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 905 | E



R3-20R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - 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	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/2	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 7/8	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

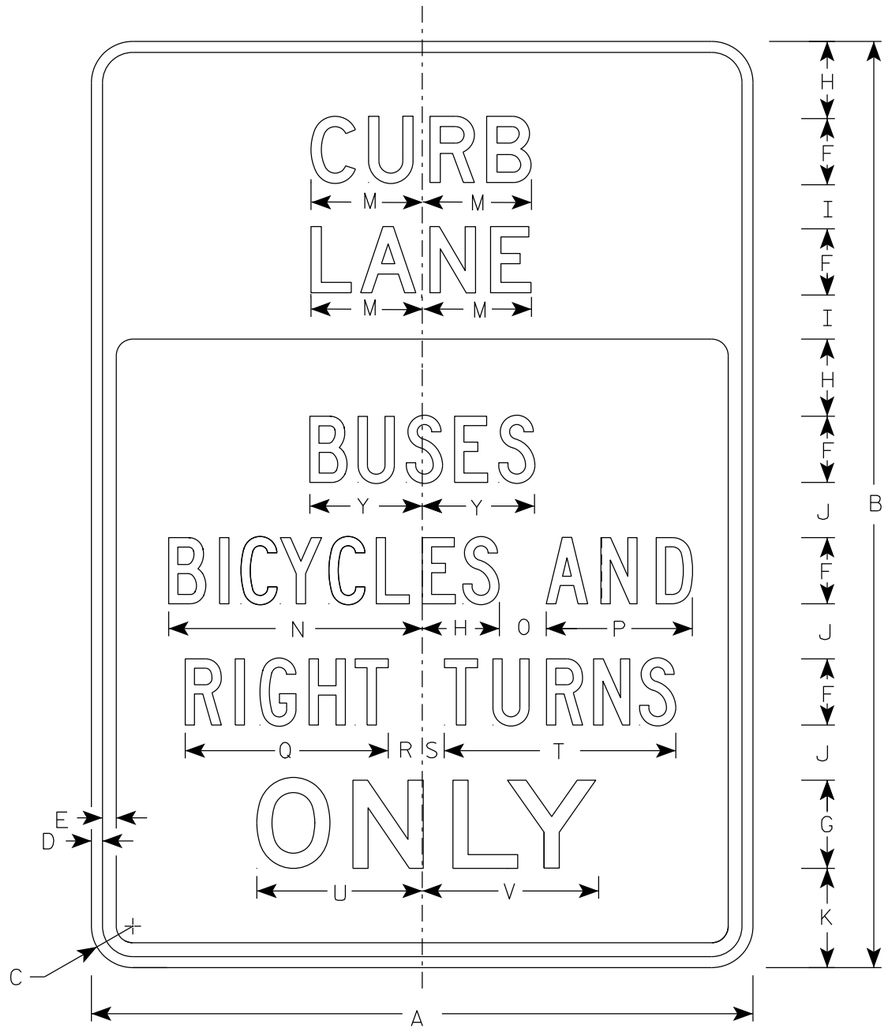
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-20R.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 906 | E



R3-52C

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Message Series - See Note 5
4. Top symbol and legend are White Type H Reflective with a Black background,
   Bottom legend is Black with White Type H Reflective background.
5. Lines 1 and 2 are series D.
   Lines 3 and 4 and 5 are Series C
   Bottom line 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																											
2S	30	42	1 7/8	1/2	5/8	3	4	3 1/2	2	2 1/2	4 1/2		5	11 1/2	2 1/8	6 5/8	9 1/4	1 1/2	1	10 1/2	7 1/2	8			5 1/8		8.75
2M	30	42	1 7/8	1/2	5/8	3	4	3 1/2	2	2 1/2	4 1/2		5	11 1/2	2 1/8	6 5/8	9 1/4	1 1/2	1	10 1/2	7 1/2	8			5 1/8		8.75
3																											
4																											
5																											

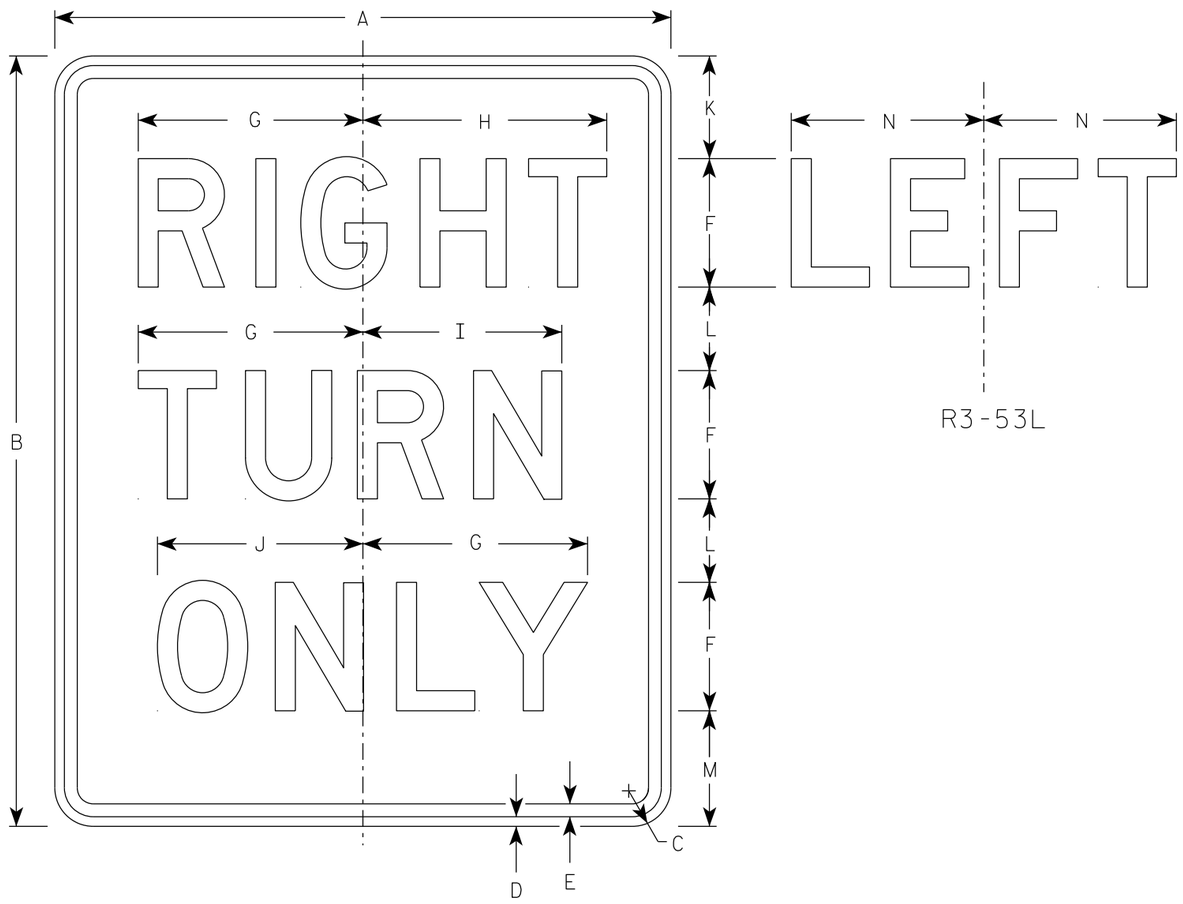
STANDARD SIGN
R3-52C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. R3-52C.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 907 | E



R3-53R

R3-53L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. 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 1/2	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 1/2	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 1/2	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

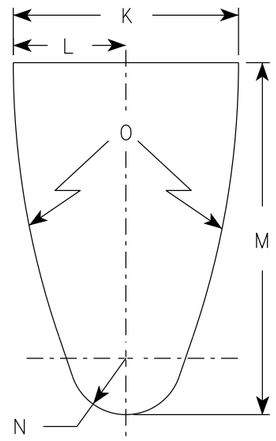
WISCONSIN DEPT OF TRANSPORTATION

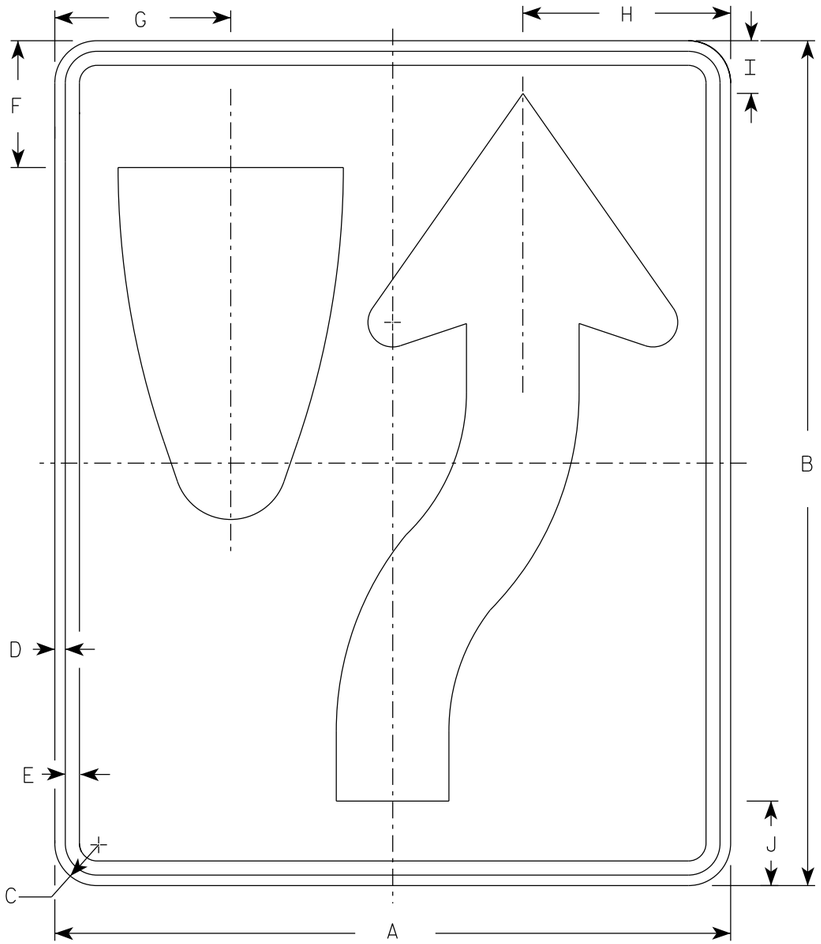
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-53.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 908 | E

DIVIDER DETAIL



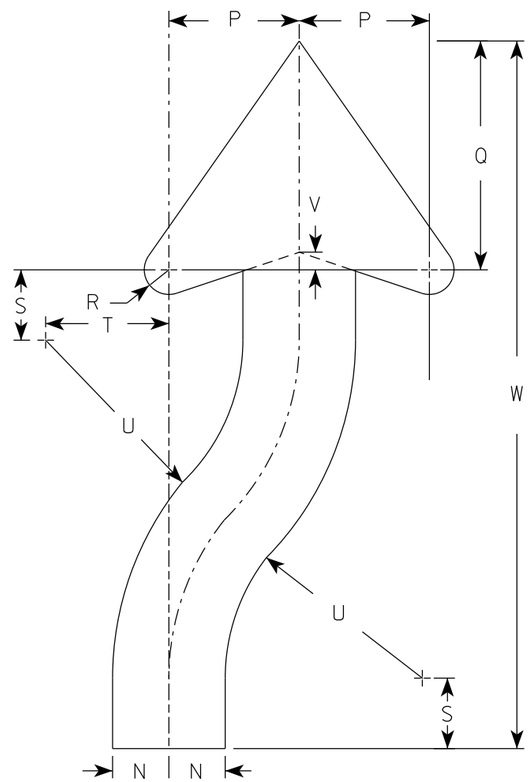


R4-7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. 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 1/2	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 1/2	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 1/2	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 7/8	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 7/8	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	3	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

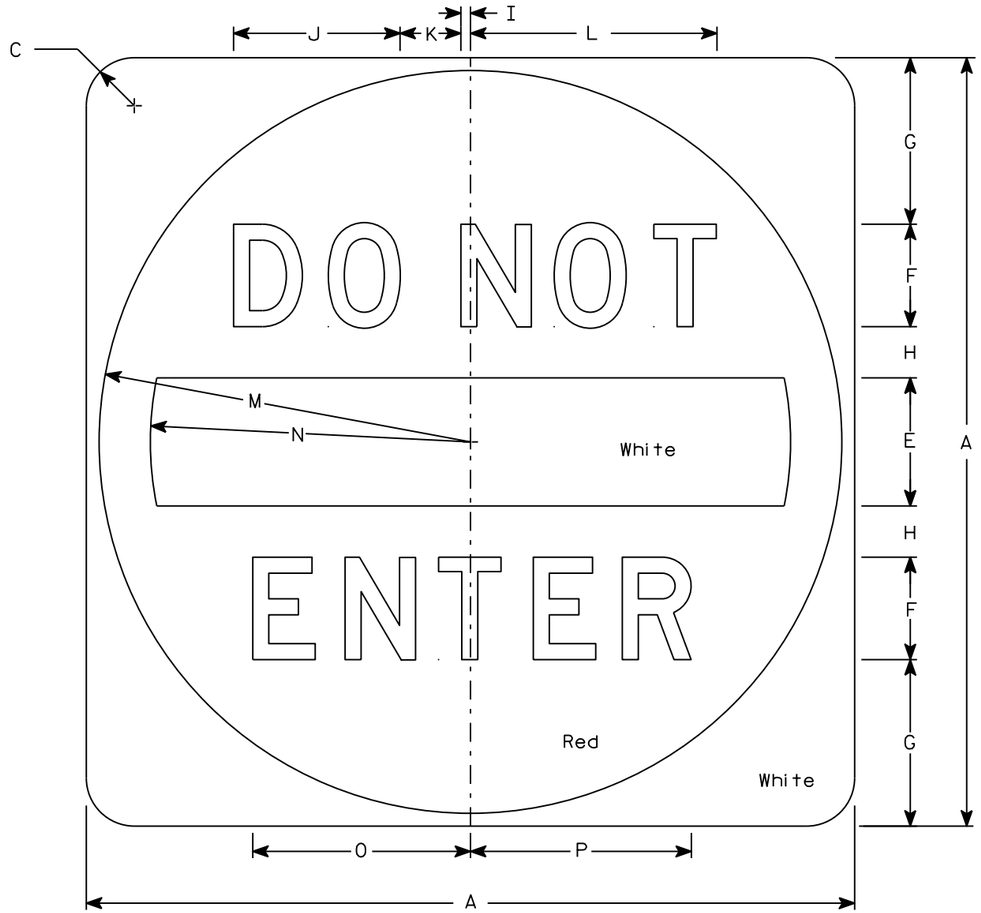
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 8/17/23 PLATE NO. R4-7.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 909	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

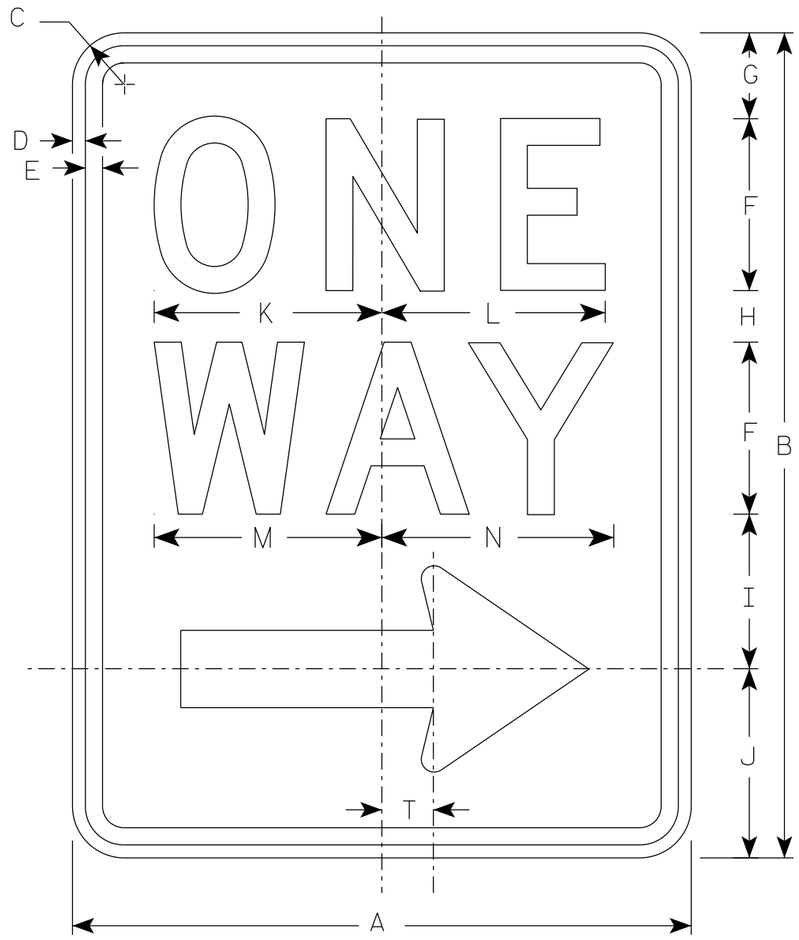
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 910 | E

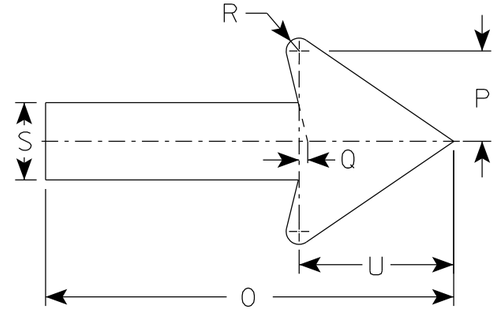
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. R6-2L same as R6-2R except arrow points to the left.



R6-2R

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
1	18	24	1 1/2	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	1 1/2	1 1/2	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 7/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

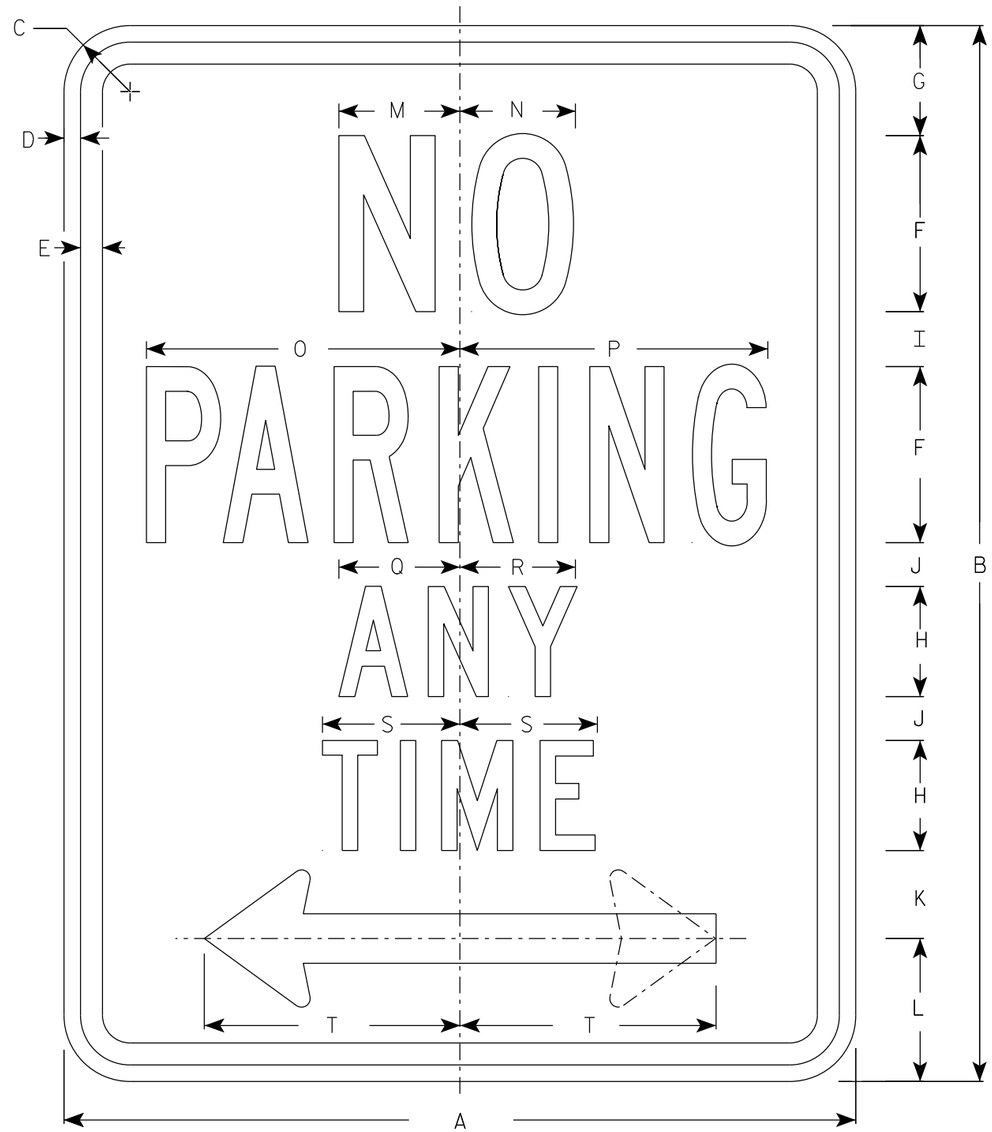
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 911	E

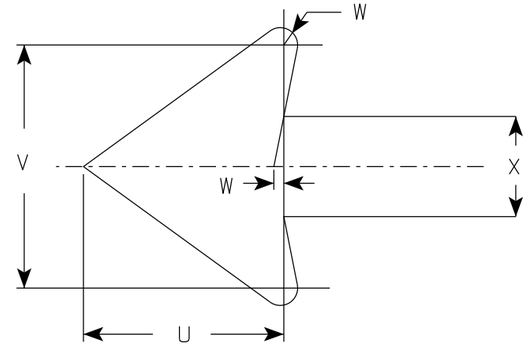


R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 4
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)

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	12	18	1 ½	⅜	⅜	3	1 ⅞	2	⅞	⅝	1 ½	2 ½	2	2	4 ⅞	4 ⅞	2 ¼	2 ⅛	2 ½	3 ⅞	1 ½	1 ¾	⅛	¾			1.5
2S	18	24	1 ½	⅜	½	4	2 ½	2 ½	1 ¼	1	2	3 ¼	2 ¾	2 ⅝	7 ⅛	7	2 ¾	2 ⅝	3 ⅛	5 ⅞	2 ¼	2 ⅝	¼	1 ⅛			3.0
2M	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
3	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

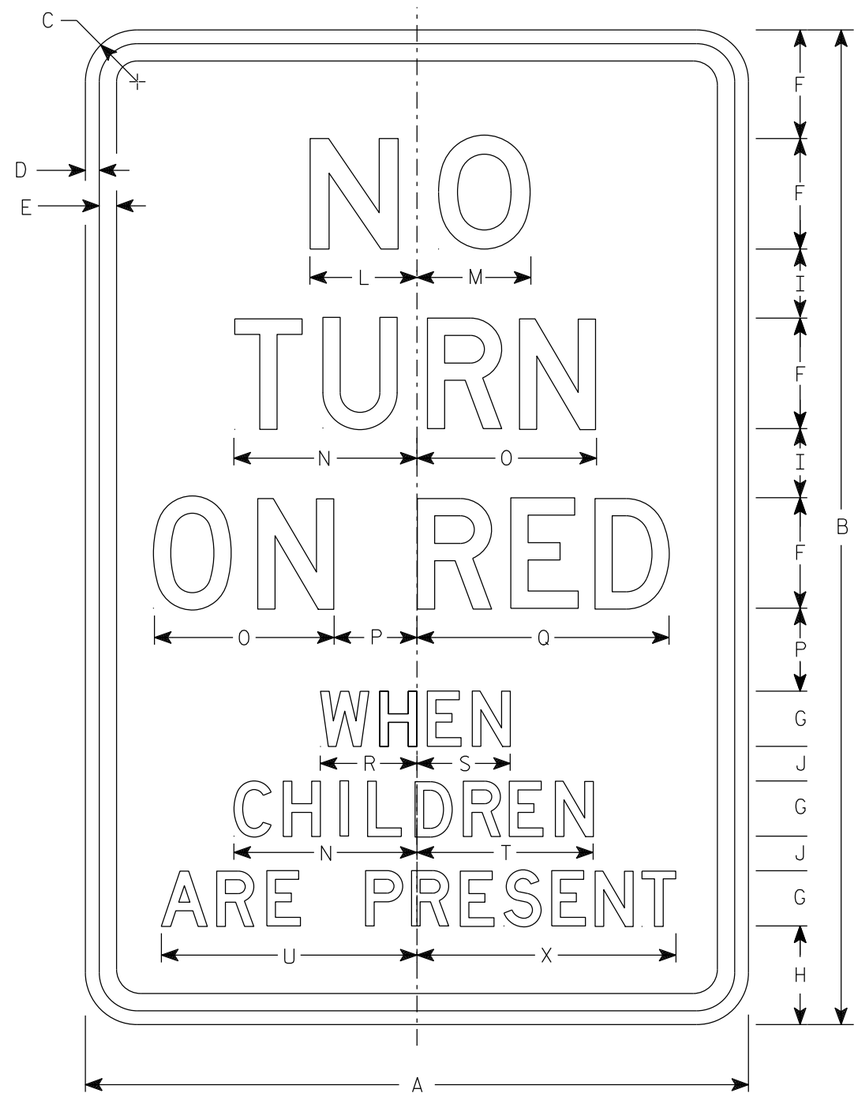
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R7-1.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 912	E

7

7



R10-11S

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series E.
   Lines 2 thru 6 are 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	24	36	1 1/2	3/8	1/2	4	2	3 1/2	2 1/2	1 1/4	4 1/2	3 7/8	4 1/8	6 5/8	6 1/2	3	9 1/8	3 1/2	3 3/8	6 3/8	9 1/4			9 3/8			6.0
2M	24	36	1 1/2	3/8	1/2	4	2	3 1/2	2 1/2	1 1/4	4 1/2	3 7/8	4 1/8	6 5/8	6 1/2	3	9 1/8	3 1/2	3 3/8	6 3/8	9 1/4			9 3/8			6.0
3																											
4																											
5																											

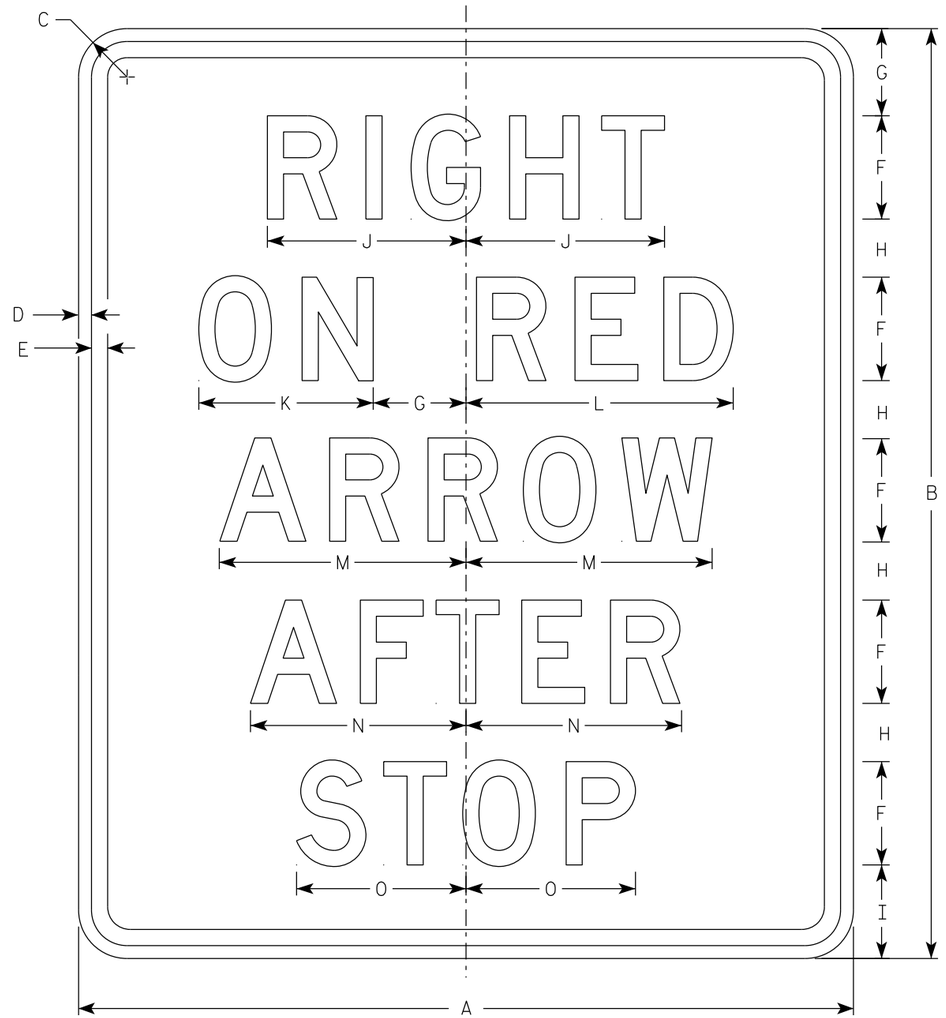
STANDARD SIGN
R10-11S

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/31/24 PLATE NO. R10-11S.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 913	E



R10-17A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
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	36	1 7/8	1/2	5/8	4	3 3/8	2 1/4	3 5/8	7 3/4	6 3/4	10 3/8	9 1/2	8 3/8	6 5/8												7.5
2M	30	36	1 7/8	1/2	5/8	4	3 3/8	2 1/4	3 5/8	7 3/4	6 3/4	10 3/8	9 1/2	8 3/8	6 5/8												7.5
3																											
4																											
5																											

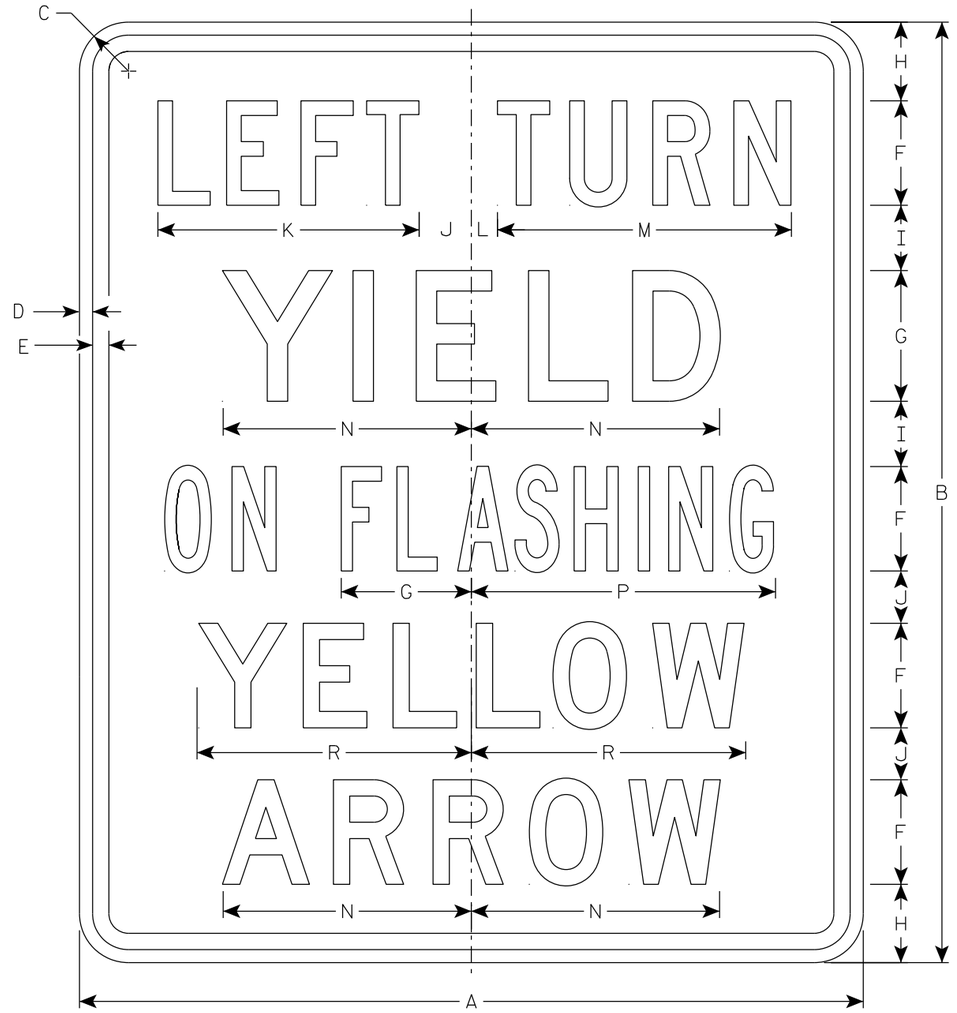
STANDARD SIGN
R10-17A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R10-17A.3

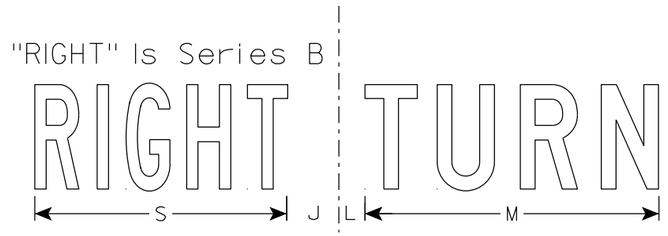
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 914 | E



R10-50L

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series C.
   Lines 2, 4 and 5 are Series D.
   Line 3 is Series B.



R10-50R

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 7/8	1/2	5/8	4	5	3	2 1/2	2	10	1	11 1/4	9 1/2	4 1/4	11 5/8		10 1/2	9 5/8								7.5
2M	30	36	1 7/8	1/2	5/8	4	5	3	2 1/2	2	10	1	11 1/4	9 1/2	4 1/4	11 5/8		10 1/2	9 5/8								7.5
3																											
4																											
5																											

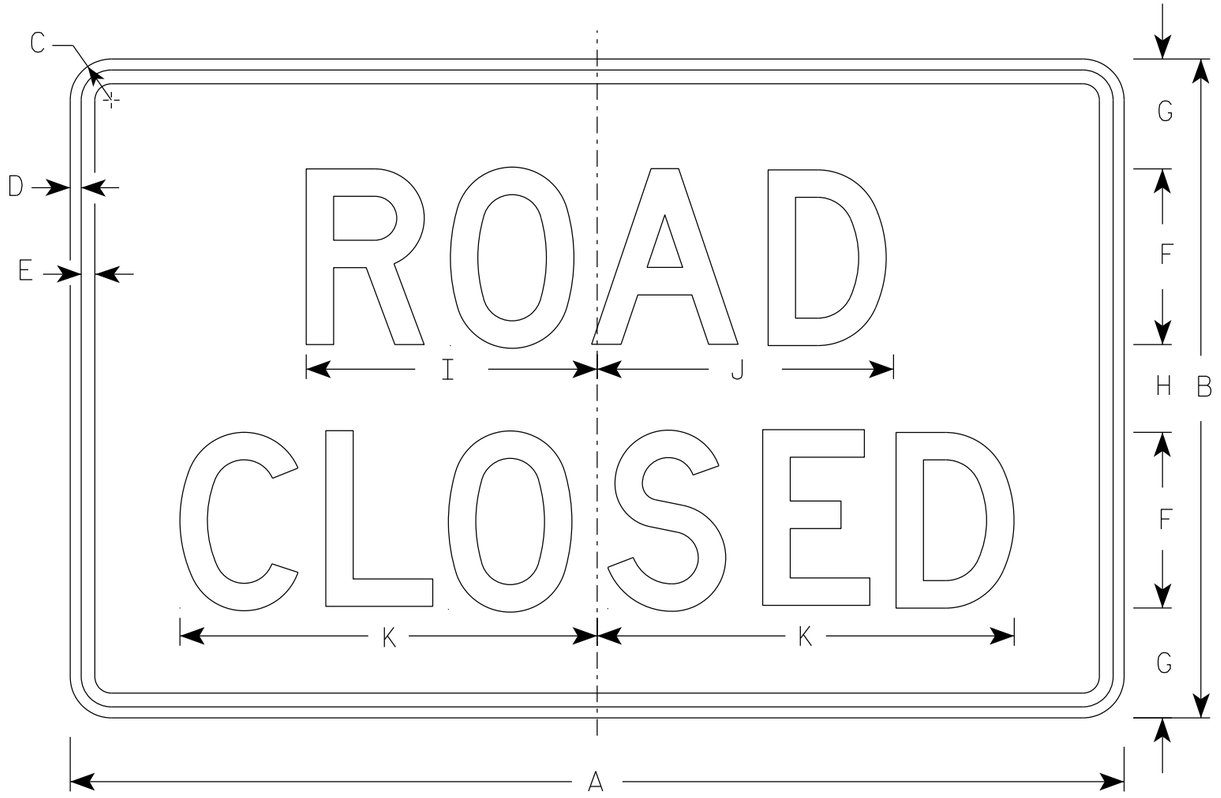
STANDARD SIGN
R10-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R10-50.3

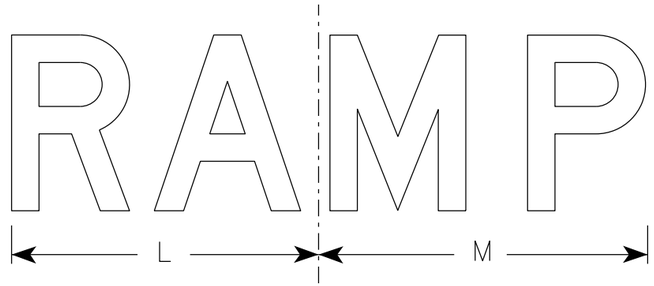
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 915 | E



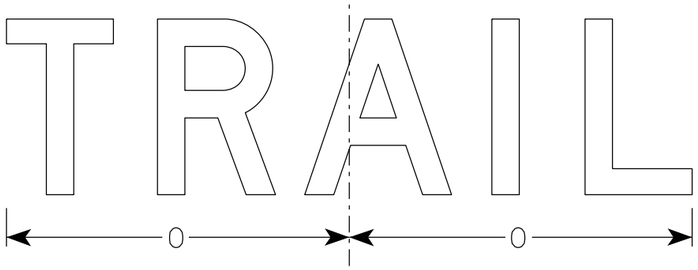
R11-2

NOTES

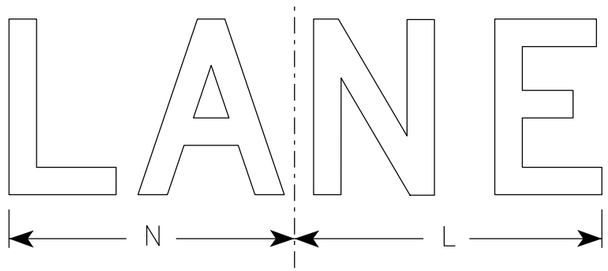
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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 7/8	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 7/8	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 7/8	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 7/8	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 7/8	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

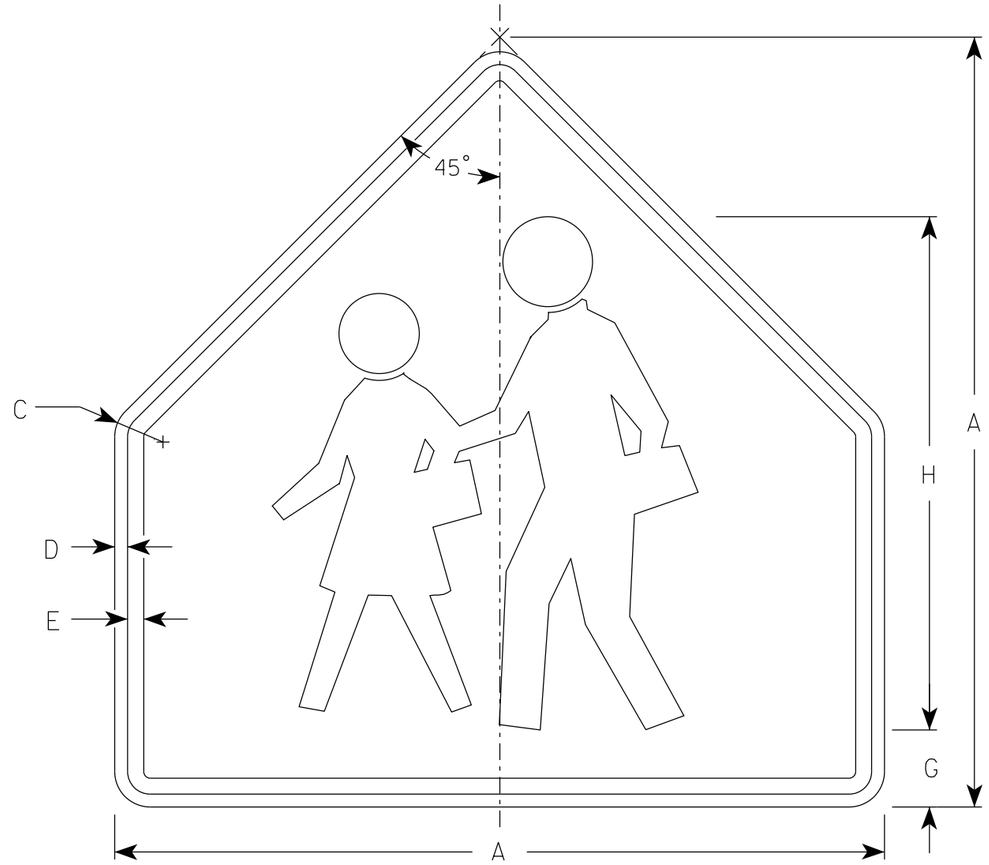
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-2.12

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

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 5-FEB 2024 2:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7



S1-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   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	30		1 3/8	1/2	5/8		3	20																			4.69
2S	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
2M	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		1 7/8	3/4	1		4 3/4	32																			12
5																											

STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

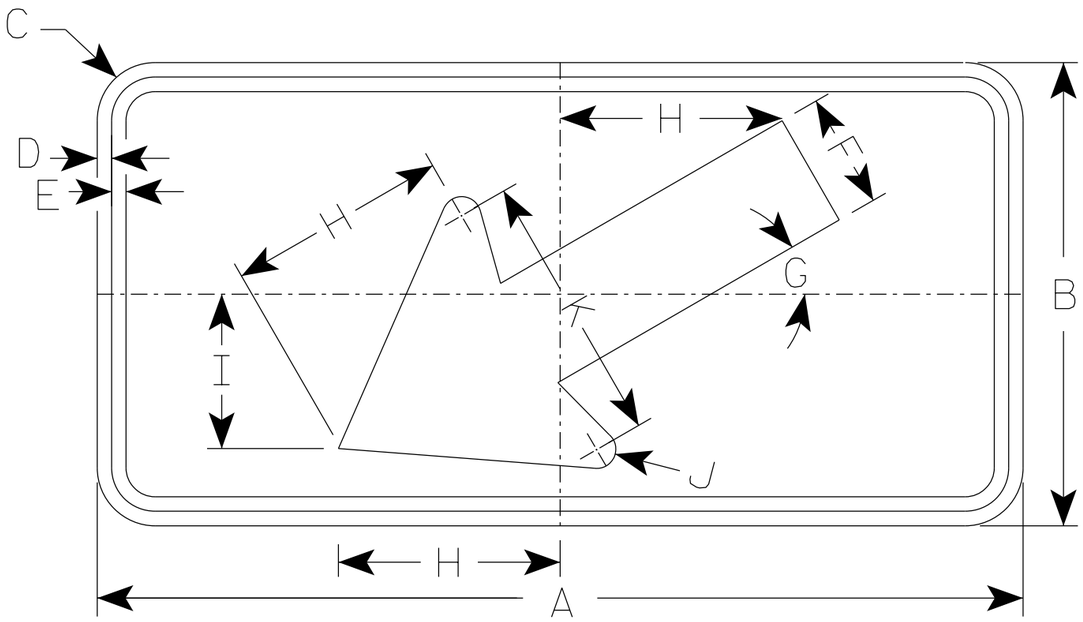
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/16/2023 PLATE NO. S1-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 917 E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black
3. S16-7R is the same as S16-7L except the arrow is reversed along the vertical centerline.



S16-7L

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 ½	⅜	⅜	3	30°	5 ¾	4	½	7																2.0
2S	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
2M	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
3	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
4	48	24	1 ⅞	½	⅝	6	30°	11 ½	8	1	14																8.0
5																											

STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

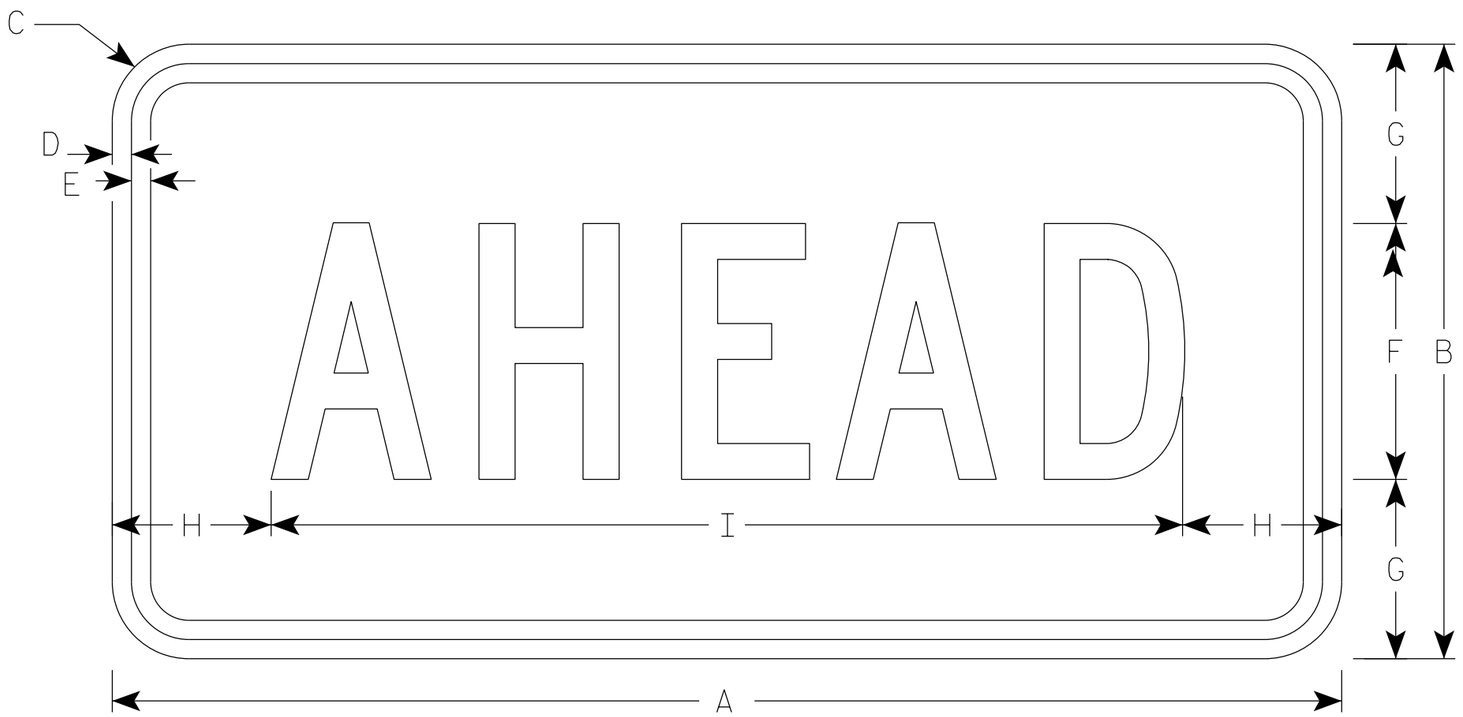
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/2023 PLATE NO. S16-7.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 918 | E

NOTES

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



S16-9P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/2	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/2	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

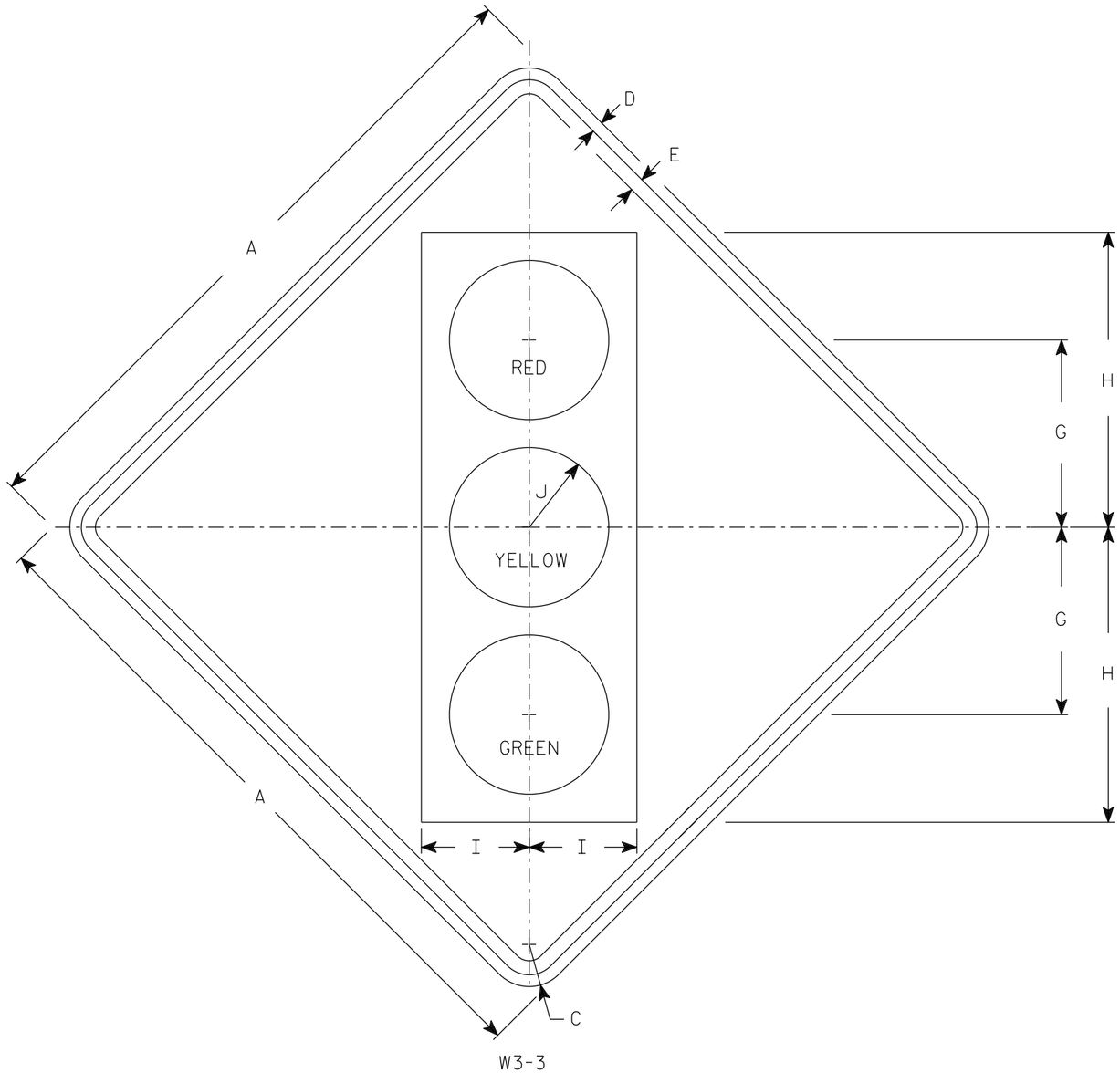
STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/2023 PLATE NO. S16-9P.2

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



W3-3

NOTES

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

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

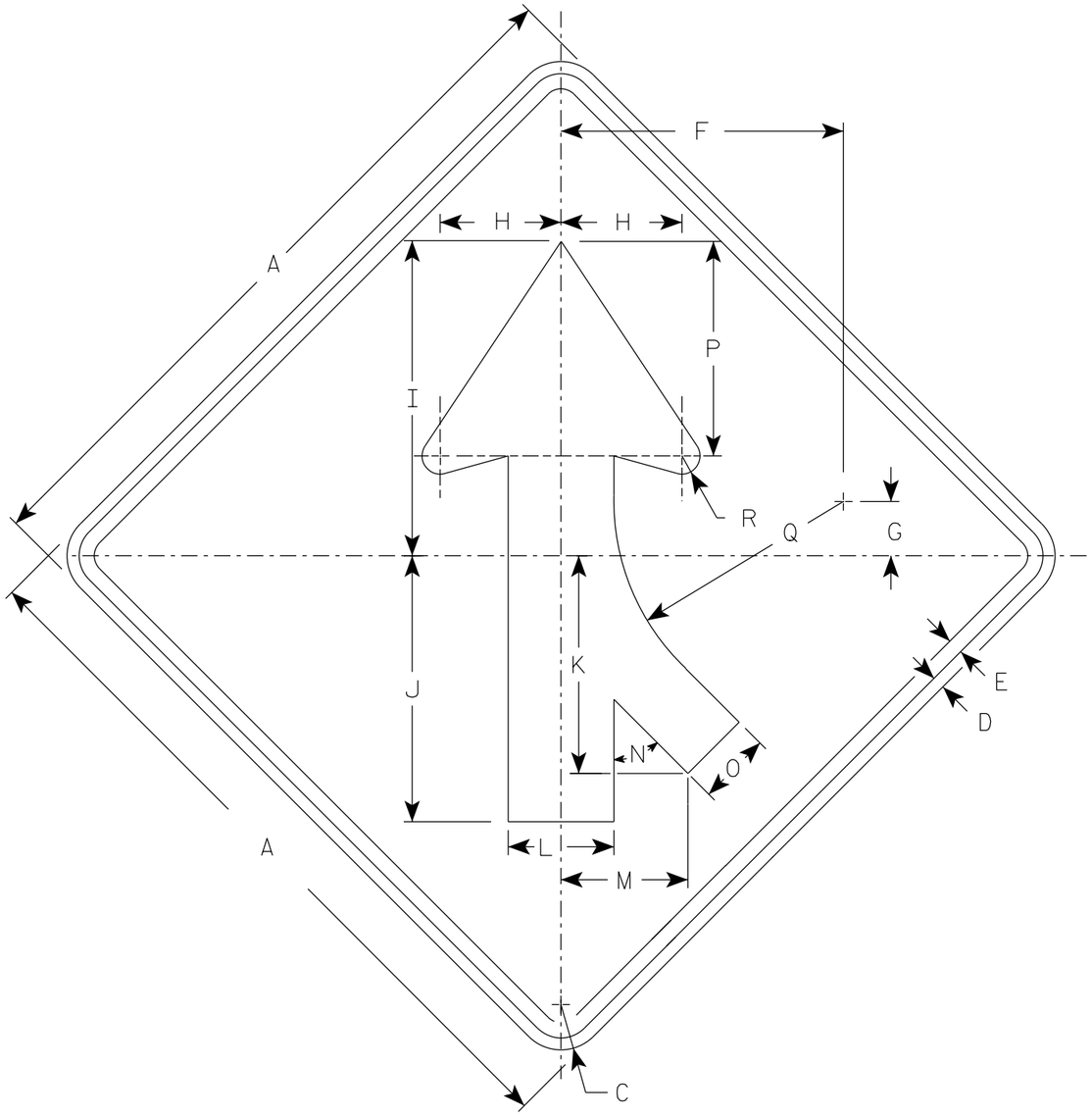
STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 920	E



W4-1R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W4-1L is the same as W4-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	11 5/8	2 1/2	5	13	11	9	4 3/8	5 1/4	45°	3	8 7/8	9 1/2	3/4									6.25
2S	36		2 1/4	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2M	36		2 1/4	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
3	36		2 1/4	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
4	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

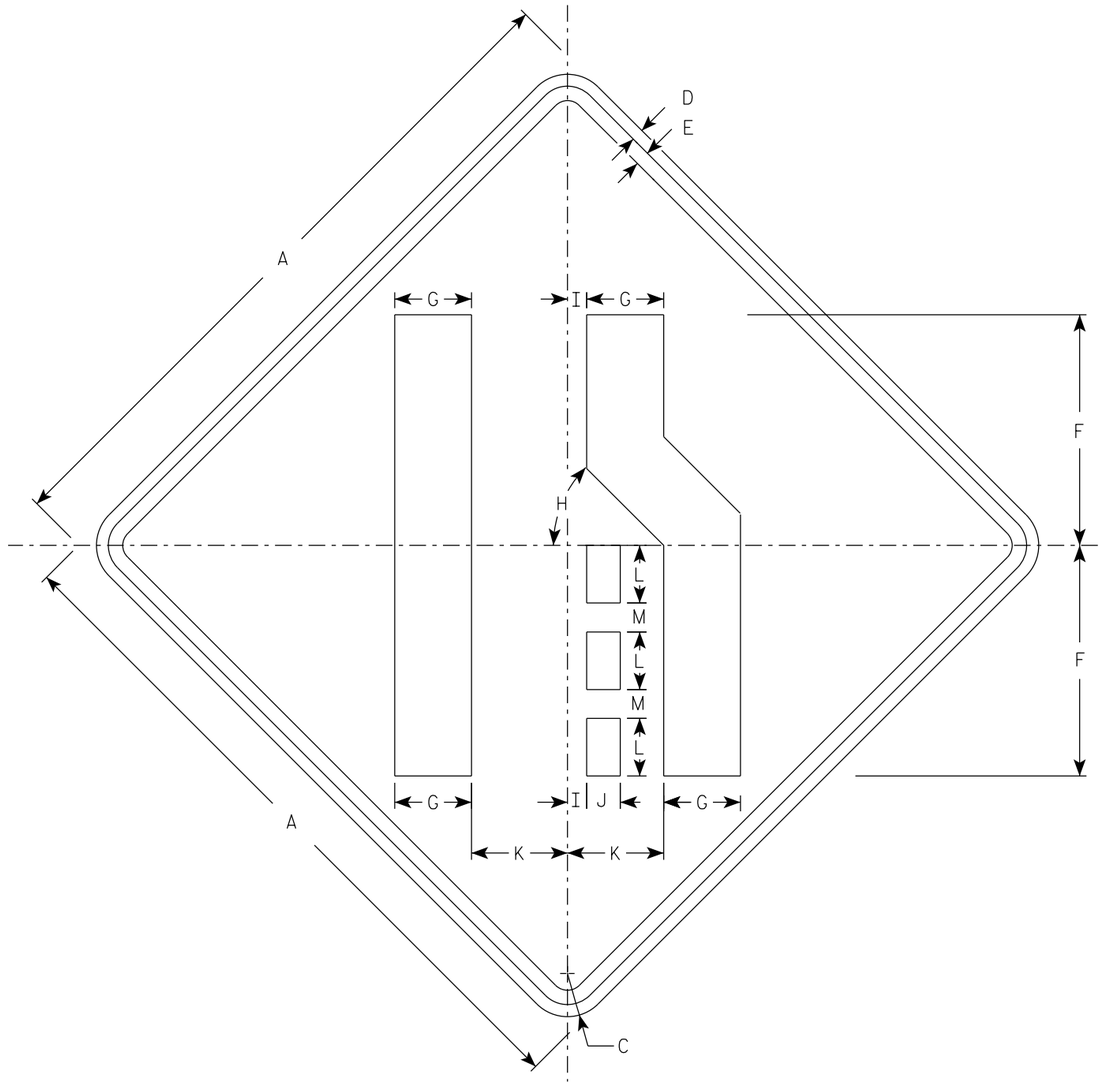
STANDARD SIGN
W4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/31/2023 PLATE NO. W4-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 921 E



W4-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W4-2L is the same as W4-2R except the symbolis 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	30		1 7/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W4-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/31/2023 PLATE NO. W4-2.15

PROJECT NO:

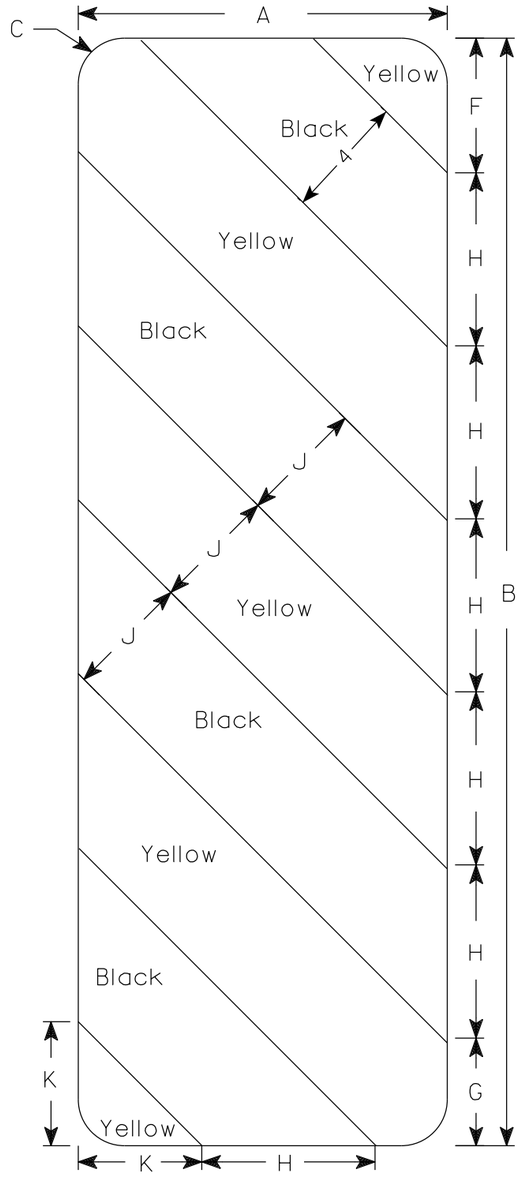
SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W42.DGN PLOT DATE : 31-AUG 2023 11:15 PLOT BY : dotc4c

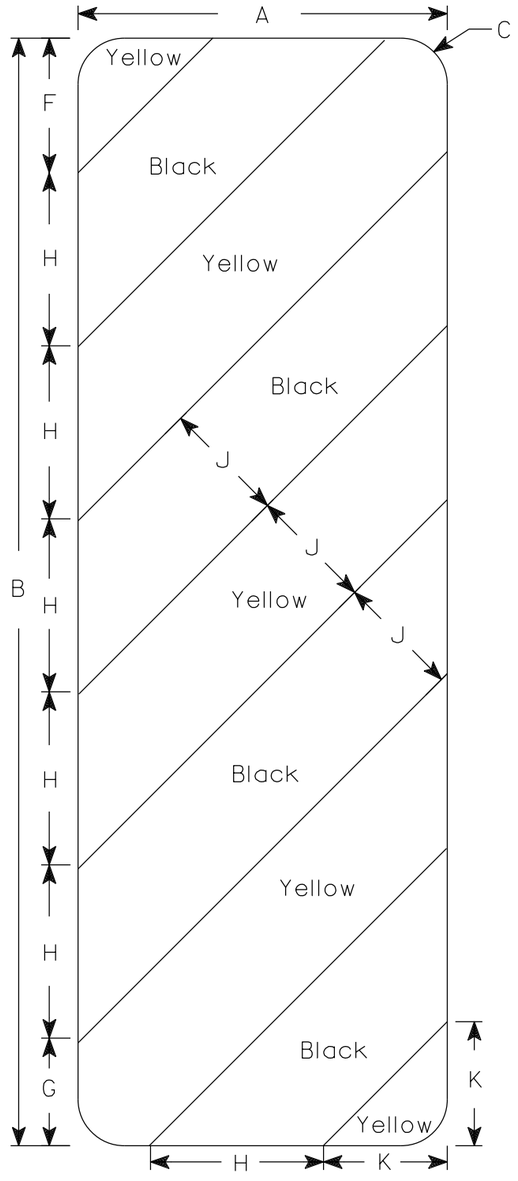
WISDOT/CADDS SHEET 42

7

7



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. 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	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36	1 1/2			4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54	1 1/2			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

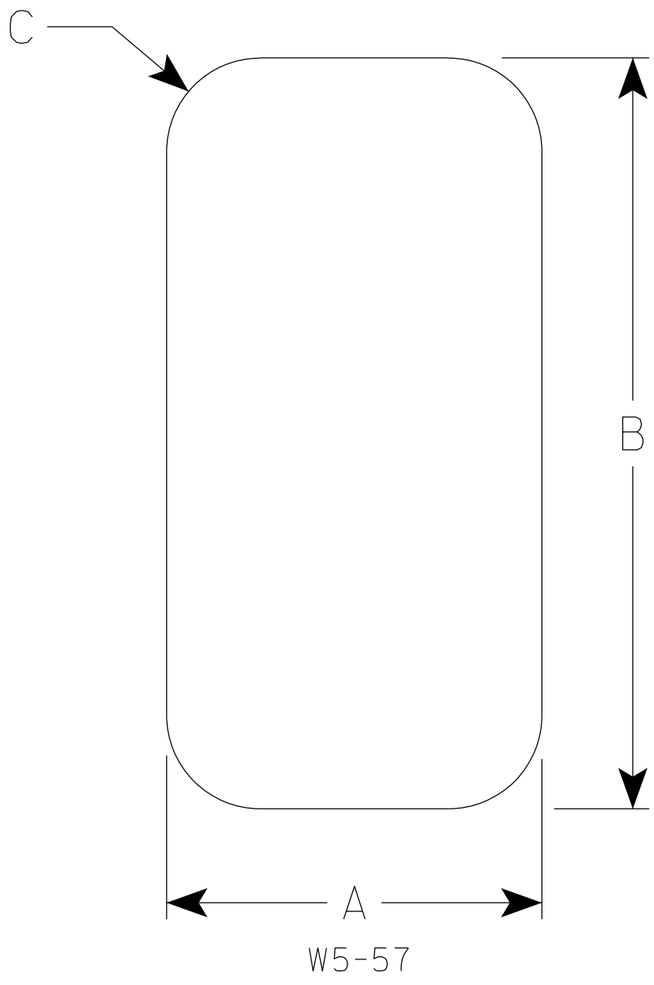
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/4/2024 PLATE NO. W5-52.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 923 E

7

7



W5-57

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	6	12	1 ½																								.5
2M	6	12	1 ½																								.5
3																											
4																											
5																											

STANDARD SIGN

W5-57

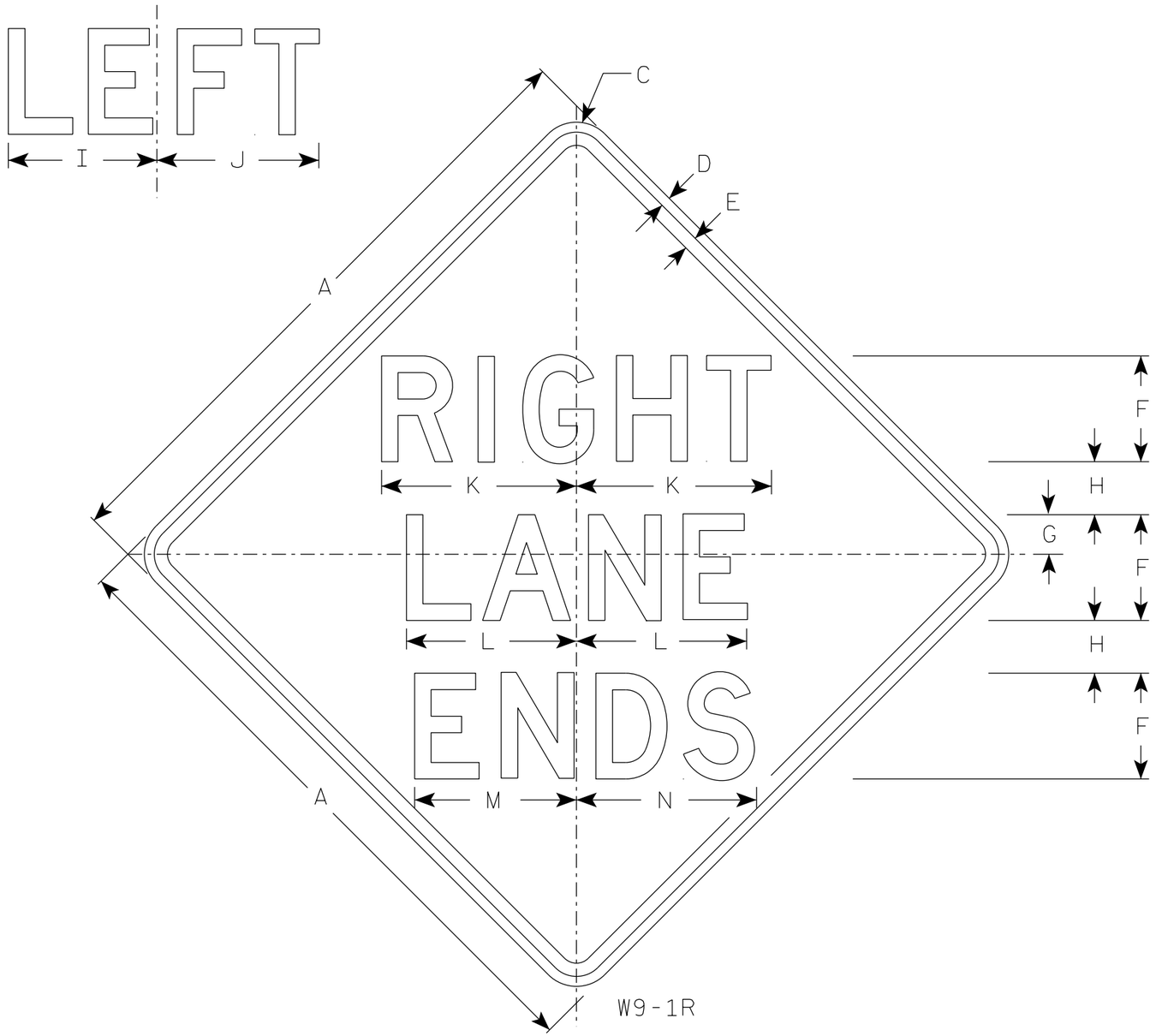
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/5/2024 PLATE NO. W5-57.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 924 E

7



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. W9-1L same as W9-1R except the word Left replaces 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	30		1 7/8	1/2	5/8	5	1 1/2	2 1/2	7 1/8	7 5/8	9 1/4	8 1/8	7 5/8	8 5/8													6.25
2S	36		2 1/4	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
2M	36		2 1/4	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
3	36		2 1/4	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
4	36		2 1/4	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
5	48		3	3/4	1	8	3	4	11 1/4	12 1/4	14 3/4	12 7/8	12 1/4	13 5/8													16.0

STANDARD SIGN

W9-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/9/2023 PLATE NO. W9-1.9

PROJECT NO:

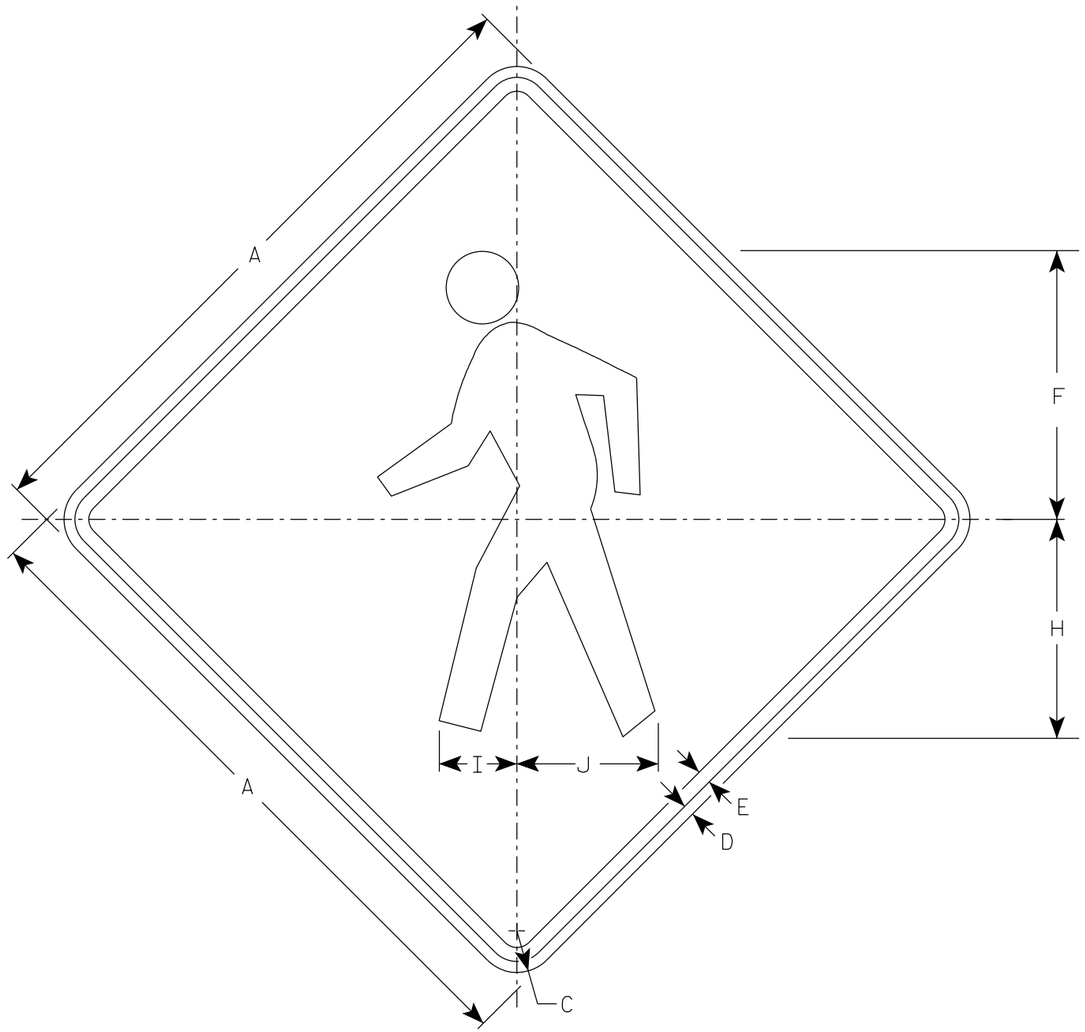
SHEET NO: 925 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W91.dgn PLOT DATE : 9-NOV 2023 1:03 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

7

7



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 1/2	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 7/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

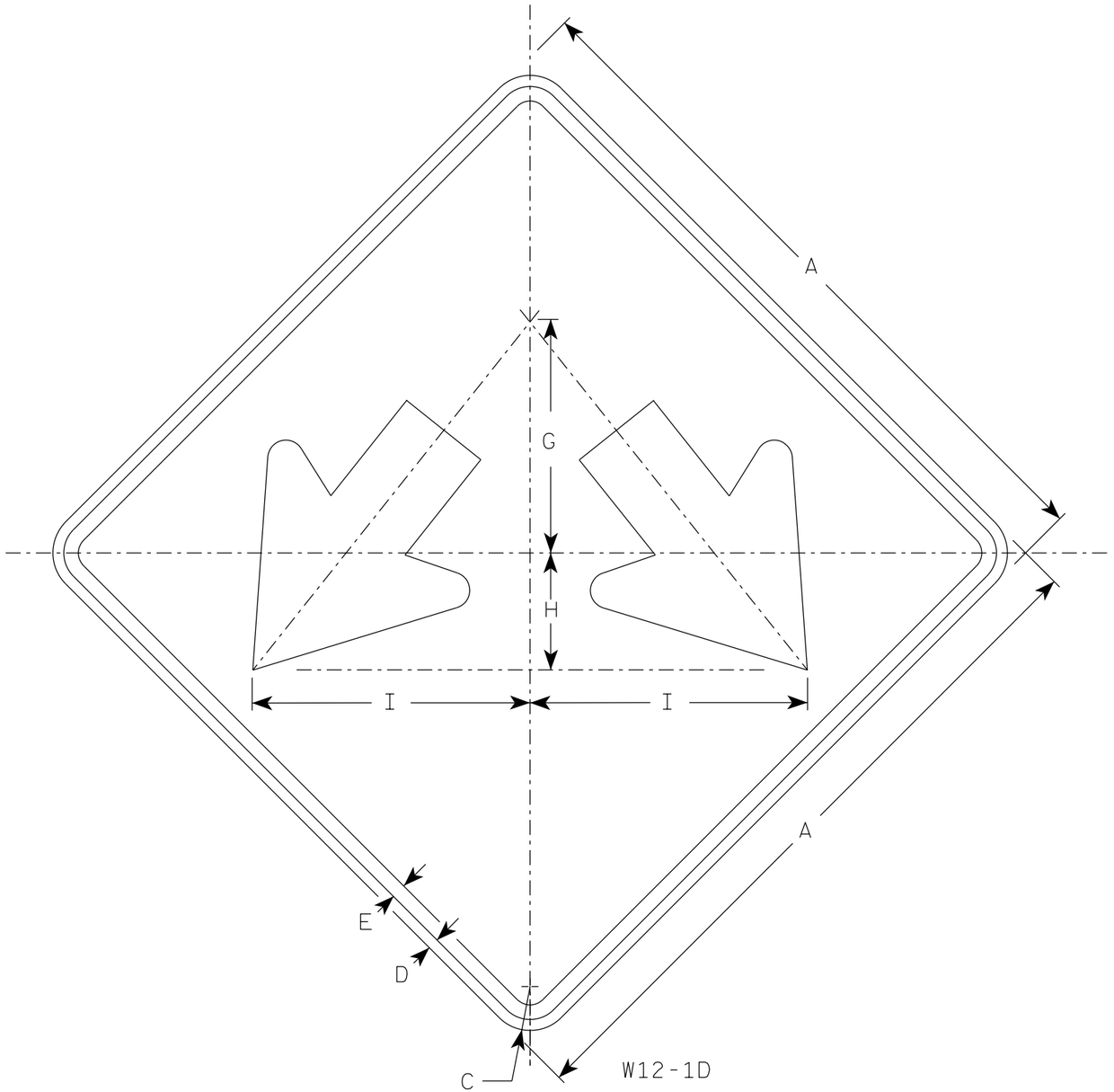
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

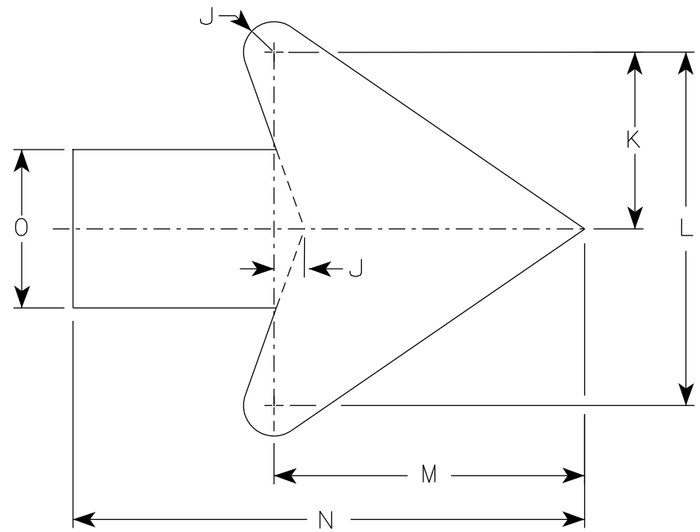
DATE 6/15/2023 PLATE NO. W11-2.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 926 E



NOTES

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



Arrow Detail

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

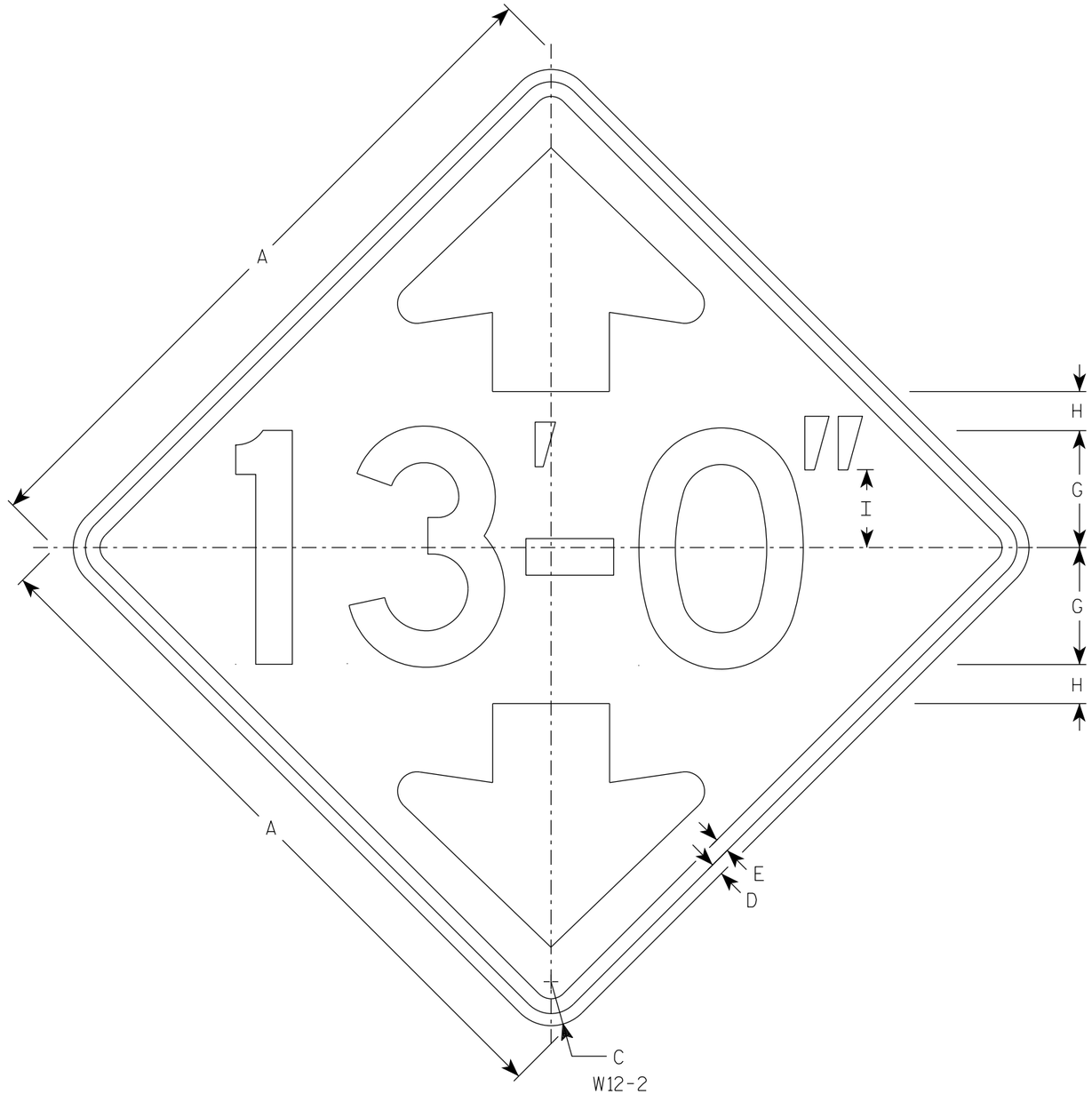
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

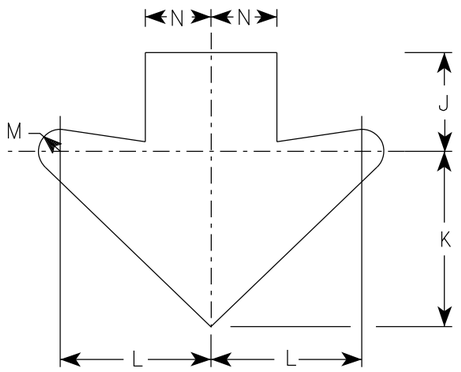
DATE 11/30/2023 PLATE NO. W12-1D.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 927	E

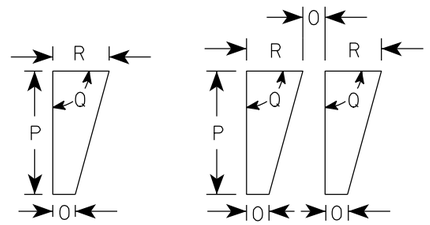


NOTES

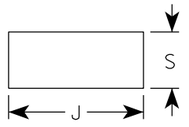
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Substitute appropriate numerals and optically adjust spacing of numerals, hyphen, foot & inch marks to achieve proper balance.



Arrow Detail



Foot Mark & Inch Mark Detail



Hyphen 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	30		1 7/8	1/2	5/8		5	1 5/8	3 3/8	3 3/4	6 5/8	5 3/4	3/4	2 1/2	1/2	2 1/4	90°	1	1 5/8								6.25
2S	36		2 1/4	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.0
2M	36		2 1/4	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.0
3	36		2 1/4	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.0
4	36		2 1/4	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.0
5	48		3	3/4	1		8	2 5/8	5 1/2	5 7/8	10 5/8	9 1/4	1 3/8	4	5/8	3 5/8	90°	1 5/8	2 1/2								16.0

STANDARD SIGN
W12-2

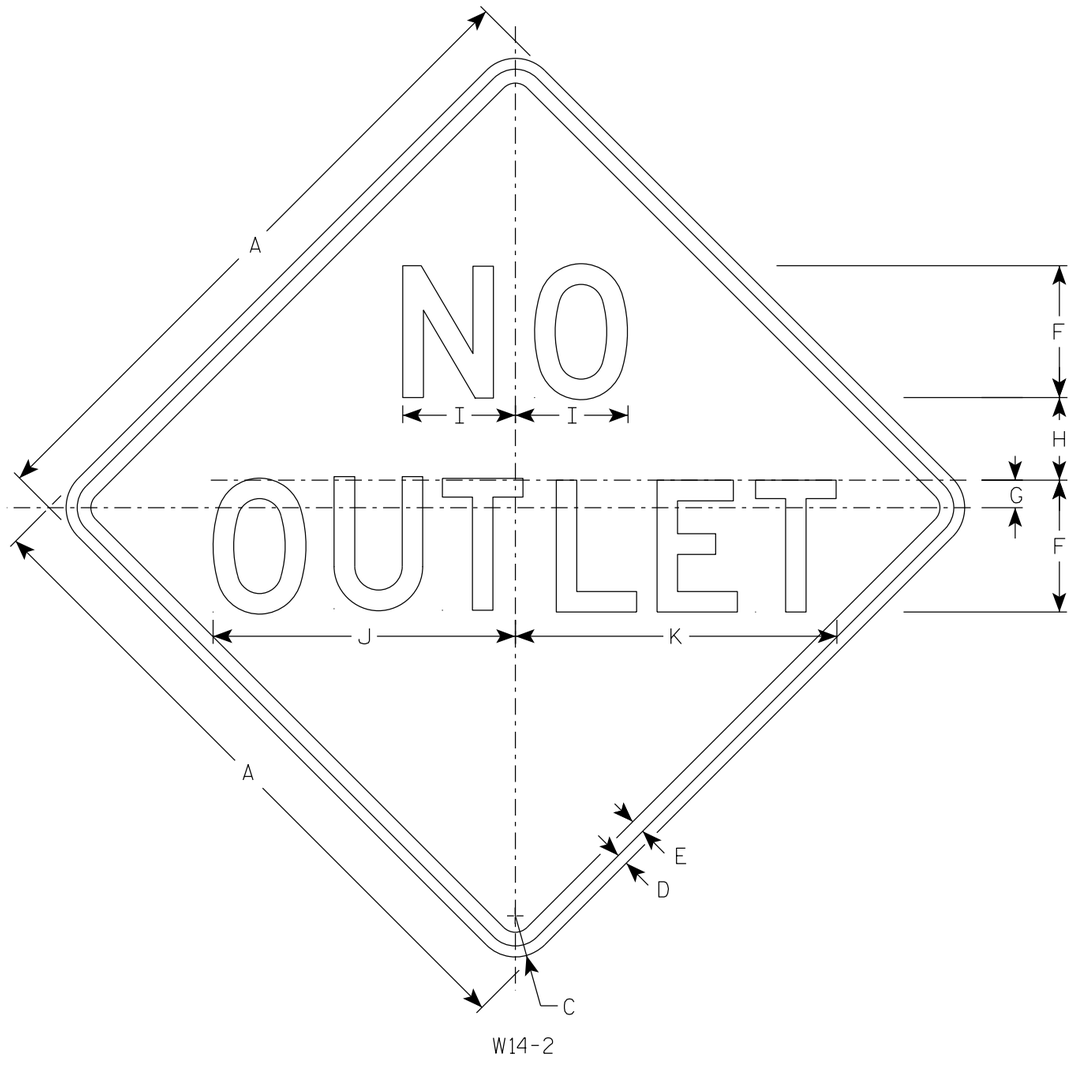
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/30/2023 PLATE NO. W12-2.11

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W122.dgn PLOT DATE : 30-NOV 2023 3:01 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W14-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
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	24		1 1/2	3/8	1/2	5	1	2 3/4	4 1/8	11 3/4	12 3/8																4.0
2S	30		1 7/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
2M	30		1 7/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
3	36		2 1/4	5/8	3/4	7	1 3/8	4 5/8	6	16 1/8	17 1/8																9.0
4																											
5																											

STANDARD SIGN
W14-2

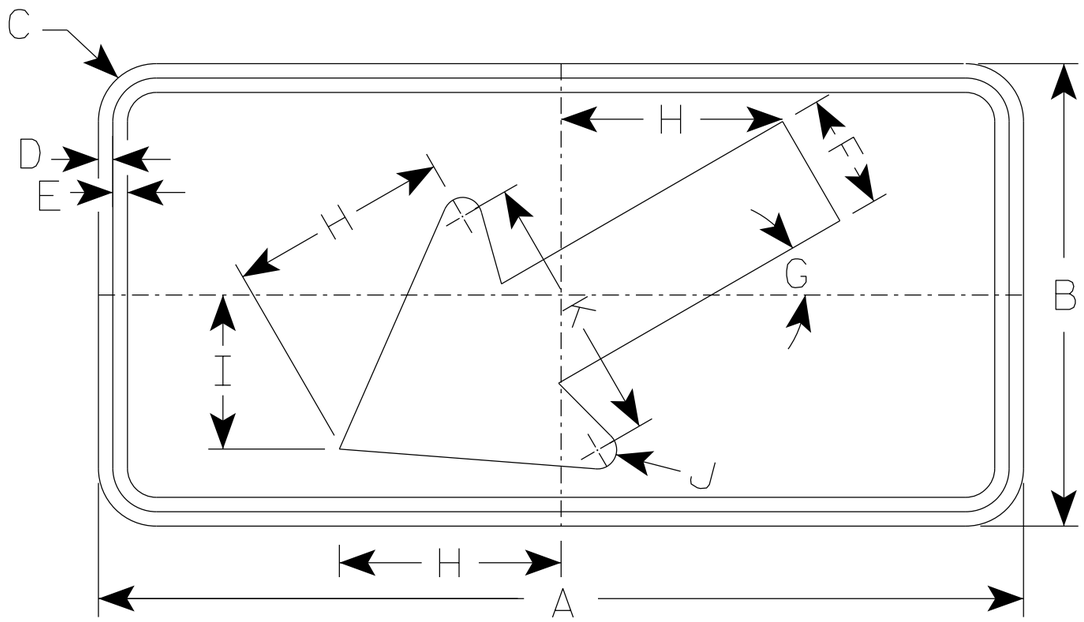
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/8/2024 PLATE NO. W14-2.4

PROJECT NO:

SHEET NO: 929 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 ½	⅜	⅜	3	30°	5 ¾	4	½	7																2.0
*	2M	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
*	3	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
*	4	48	24	1 ⅞	½	⅝	6	30°	11 ½	8	1	14																8.0
	5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

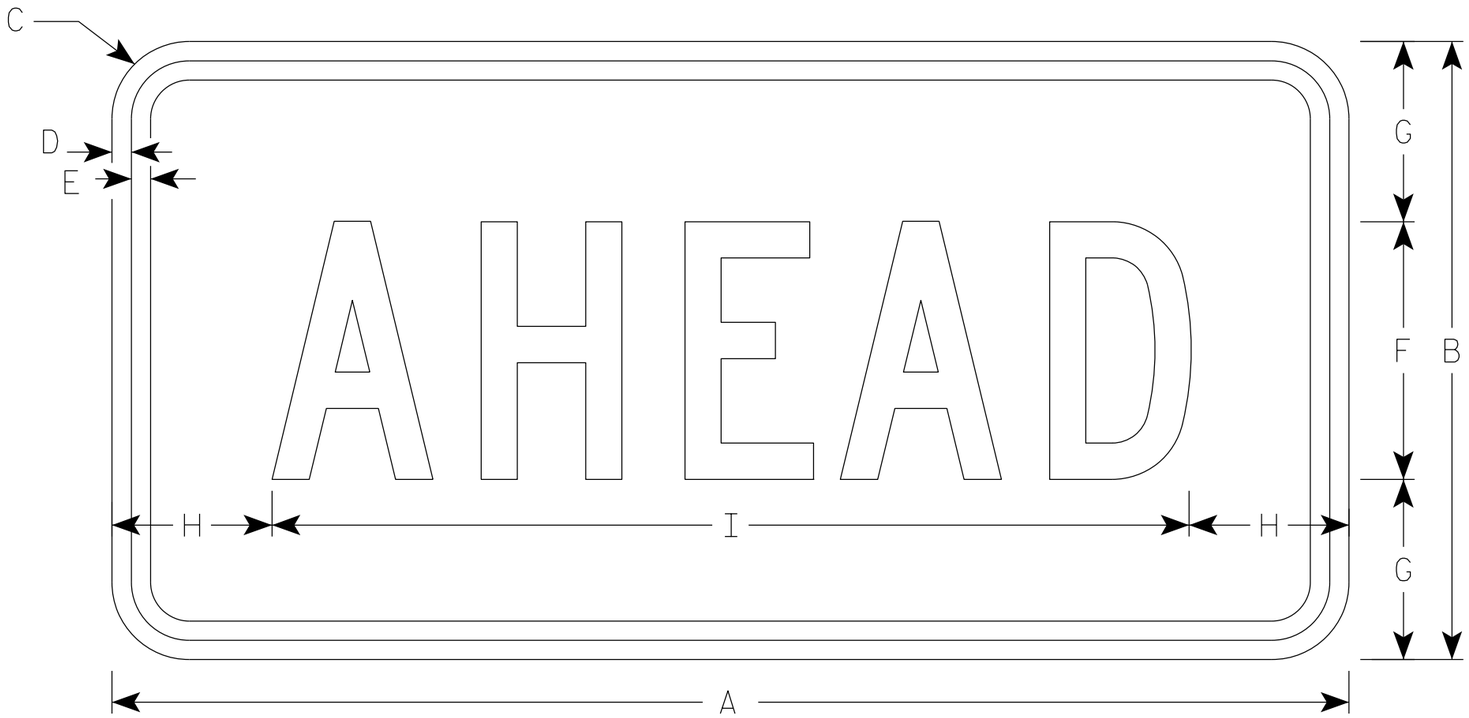
DATE 1/9/2024 PLATE NO. W16-7.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 930 E

7

NOTES

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



W16-9P

* For 36" x 36" Warning Signs, use 30" x 18" W16-9P signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-9P 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 1/2	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
*	2M	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
*	3	30	18	1 1/2	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
*	4	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
	5																											

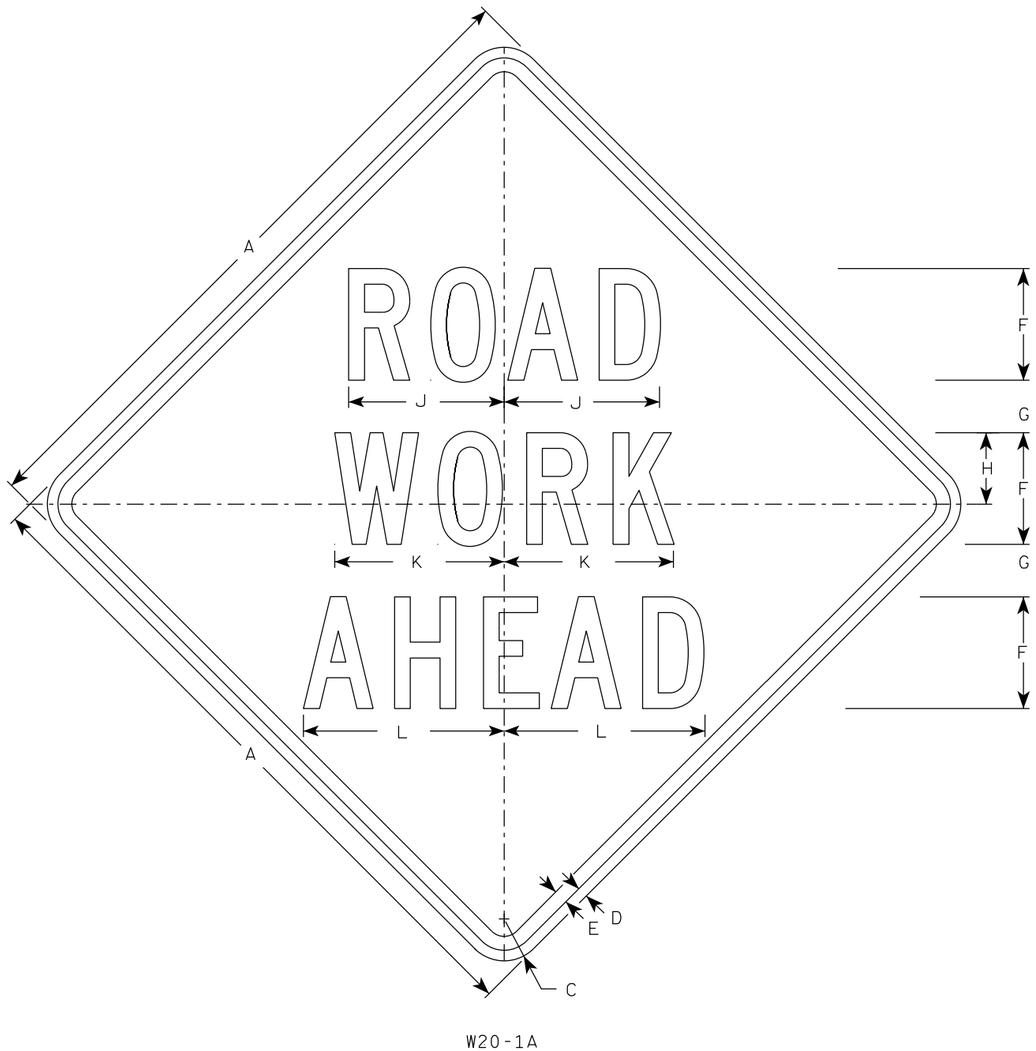
STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

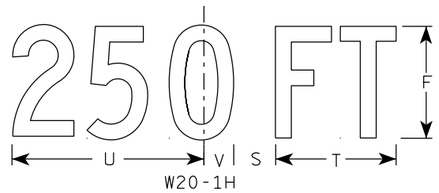
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/9/2024 PLATE NO. W16-9P.9

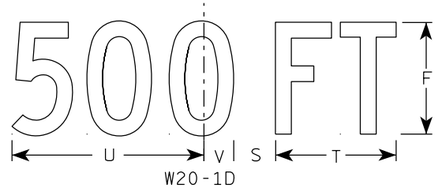
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 931 E



W20-1A



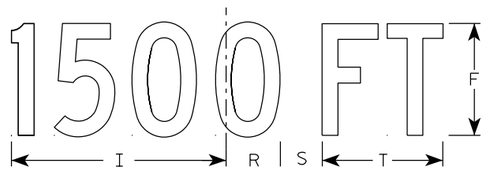
W20-1H



W20-1D



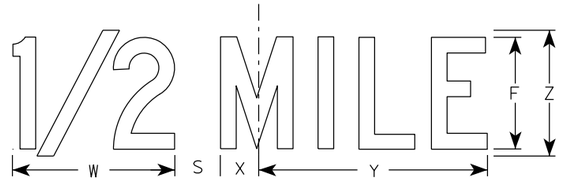
W20-1C



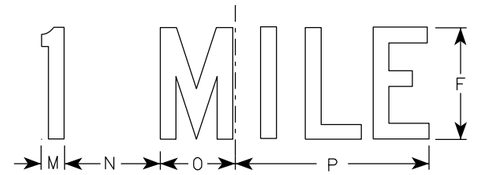
W20-1B

NOTES

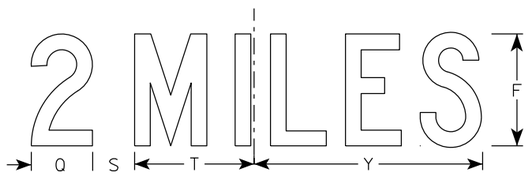
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

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

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

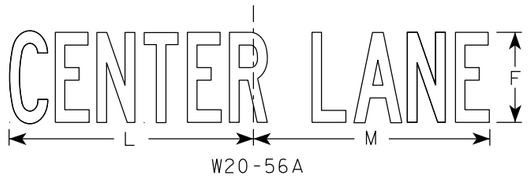
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

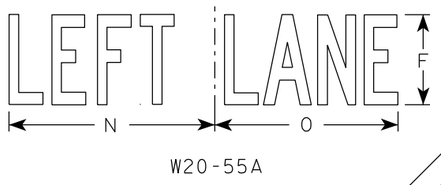
DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

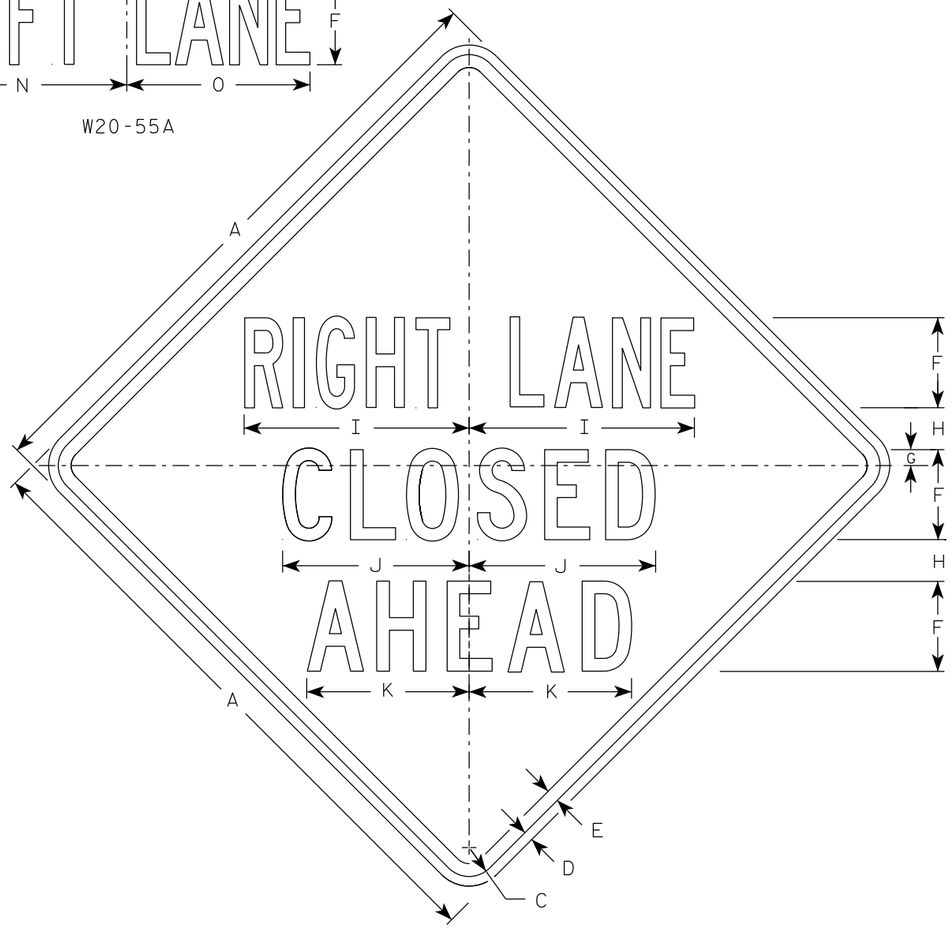
SHEET NO: 932 E



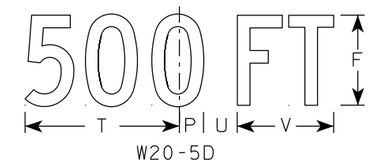
W20-56A



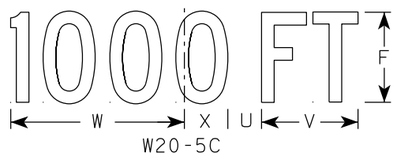
W20-55A



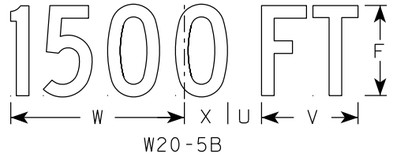
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	2 1/4	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

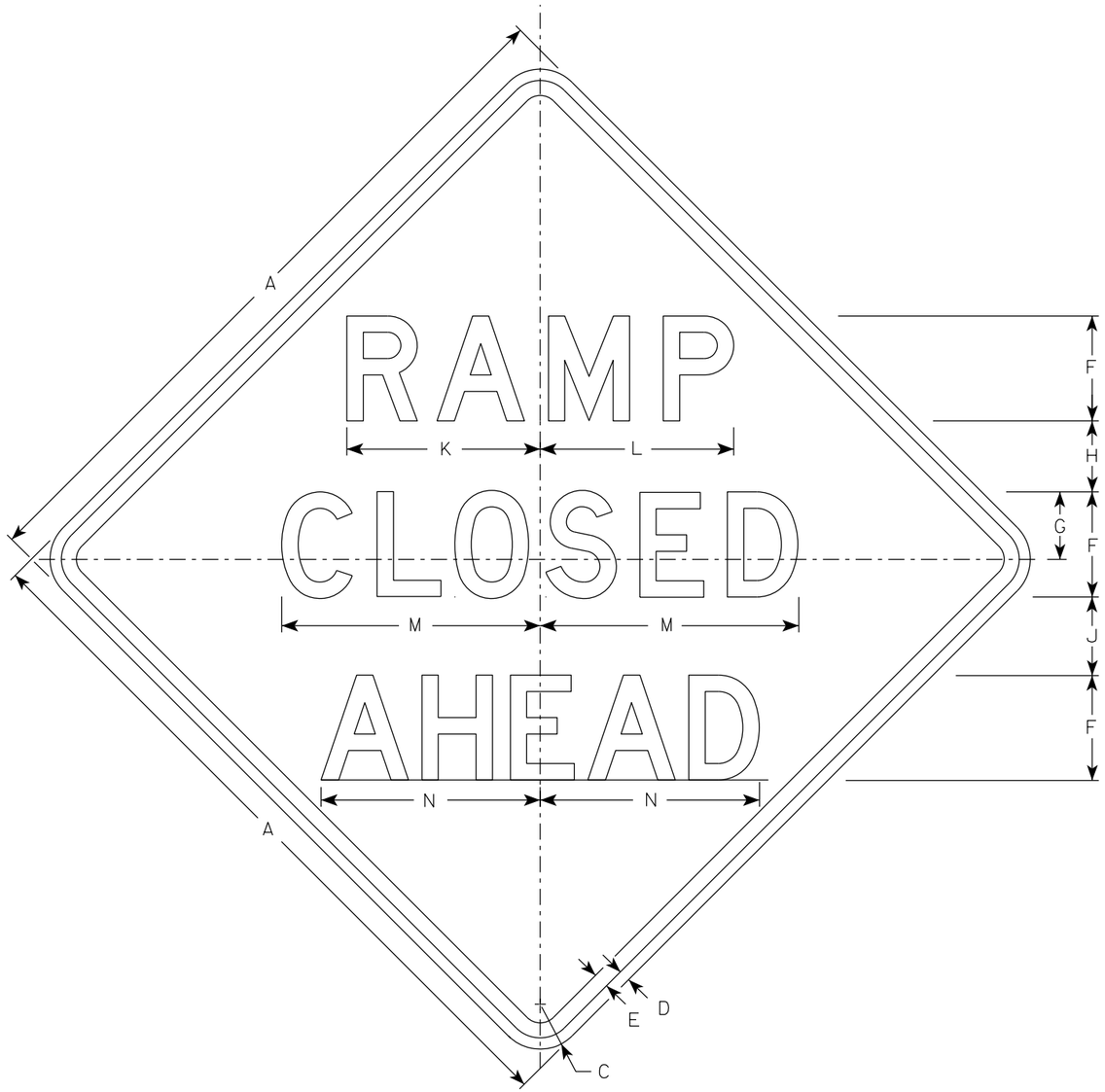
STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

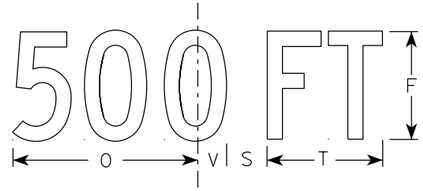
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. W20-5.12

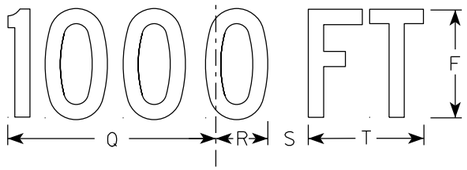
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 933 | E



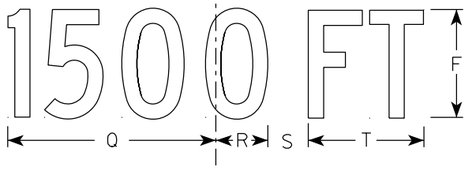
W20-53A



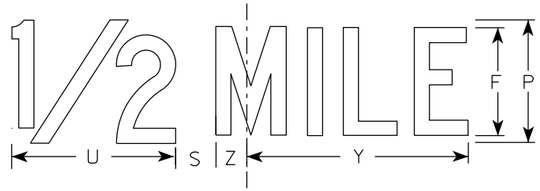
W20-53D



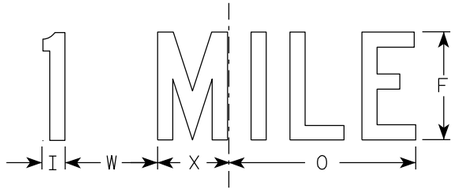
W20-53C



W20-53B



W20-53G



W20-53F

NOTES

1. Sign is Type II - Type F Reflective
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		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	9 1/4	9 1/4	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		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	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		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	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		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	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		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	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		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	12 7/8	12 7/8	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

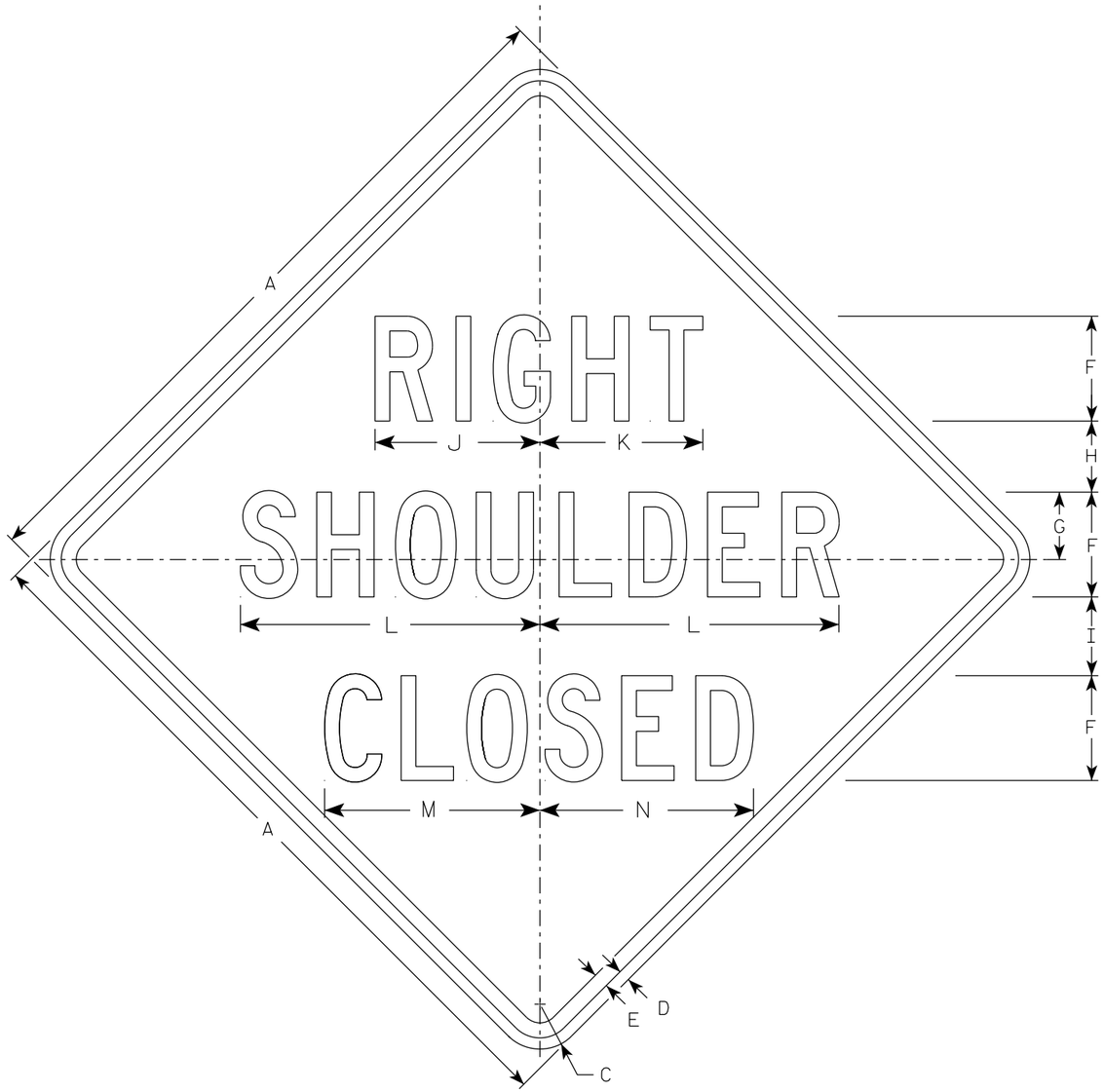
STANDARD SIGN
W20-53A,B,C,D,F,G

WISCONSIN DEPT OF TRANSPORTATION

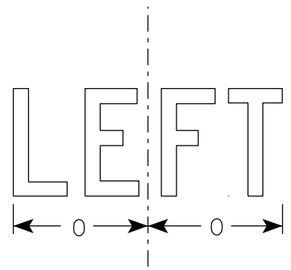
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-53.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W21-5A



W21-5AL

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
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	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	4	7 7/8	7 3/4	14 1/4	10 1/4	10 1/8	6 1/4												9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	5 1/4	11	10 7/8	20	14 3/8	14 1/4	8 3/4												16.0

STANDARD SIGN
W21-5A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

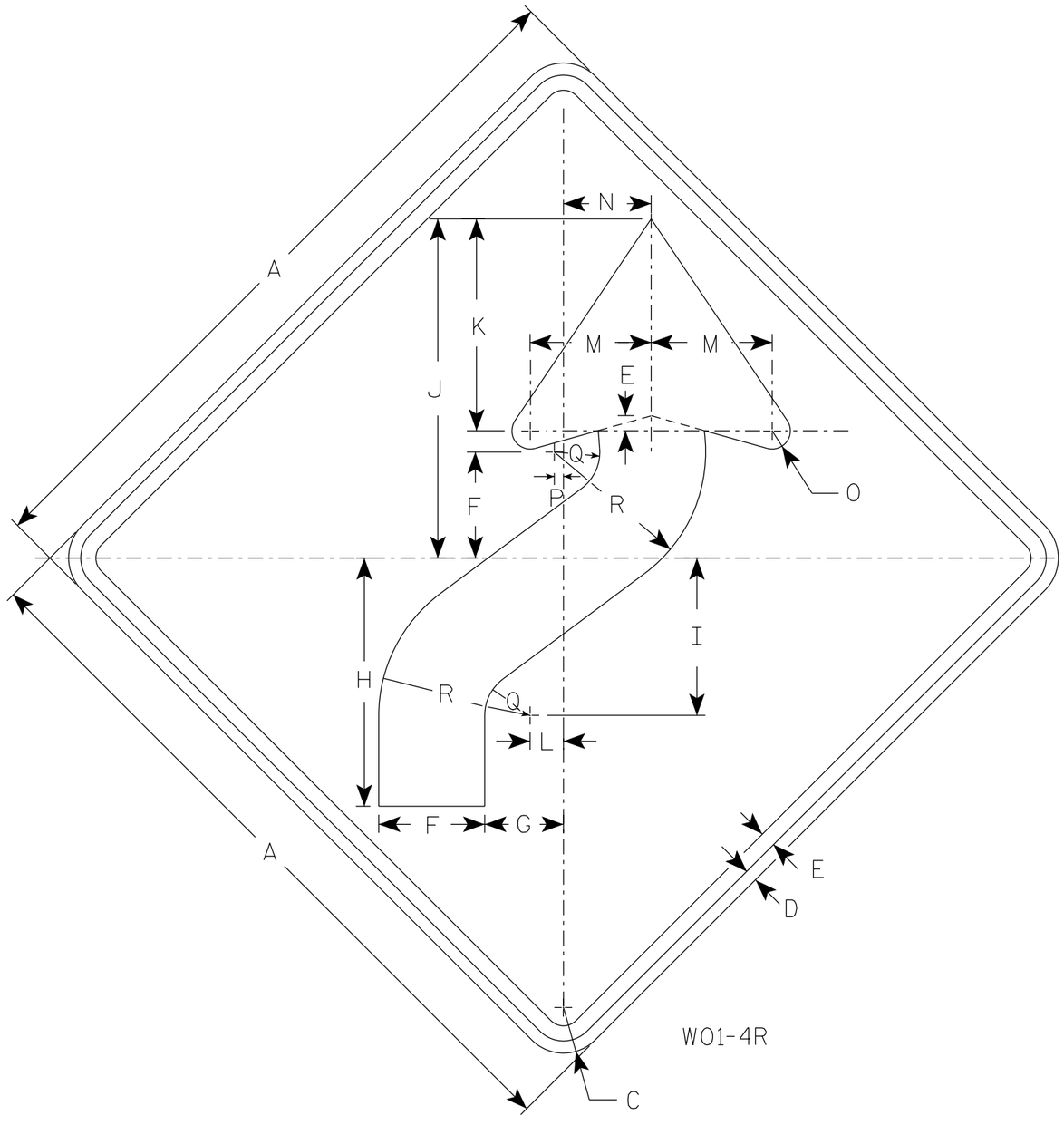
DATE 1/11/2024 PLATE NO. W21-5A.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 935 | E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W215A.dgn PLOT DATE : 11-JAN 2024 3:48 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7



W01-4R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

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

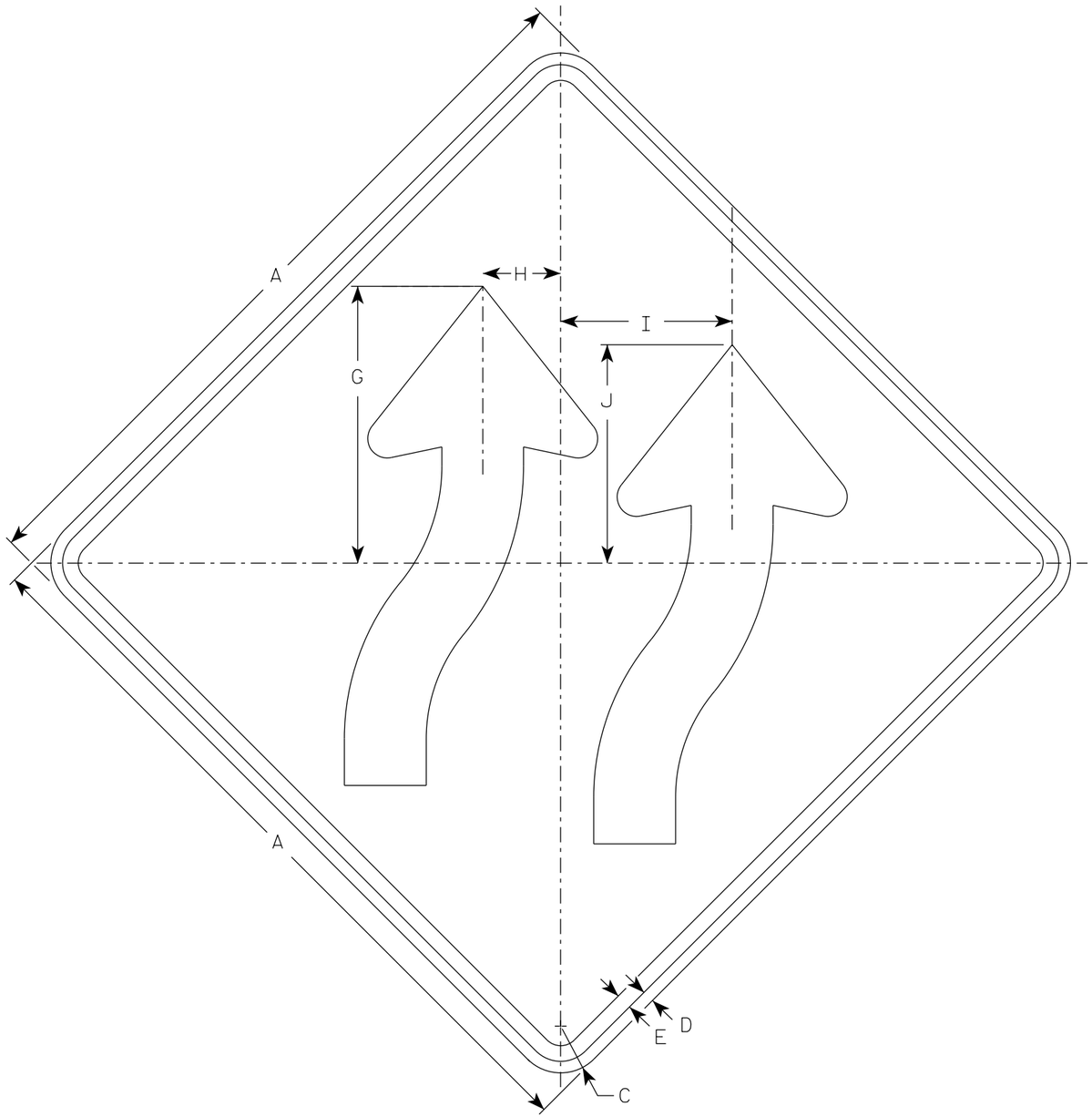
STANDARD SIGN
W01-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-4.2

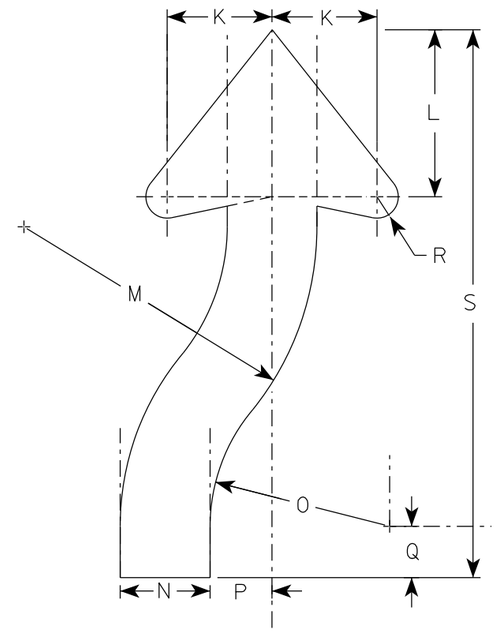
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 936 E



W01-4BR

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4BL is the same as W014-BR exept arrows are reversed along the vertical centerline



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		2 1/4	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		3	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

STANDARD SIGN
W01-4B

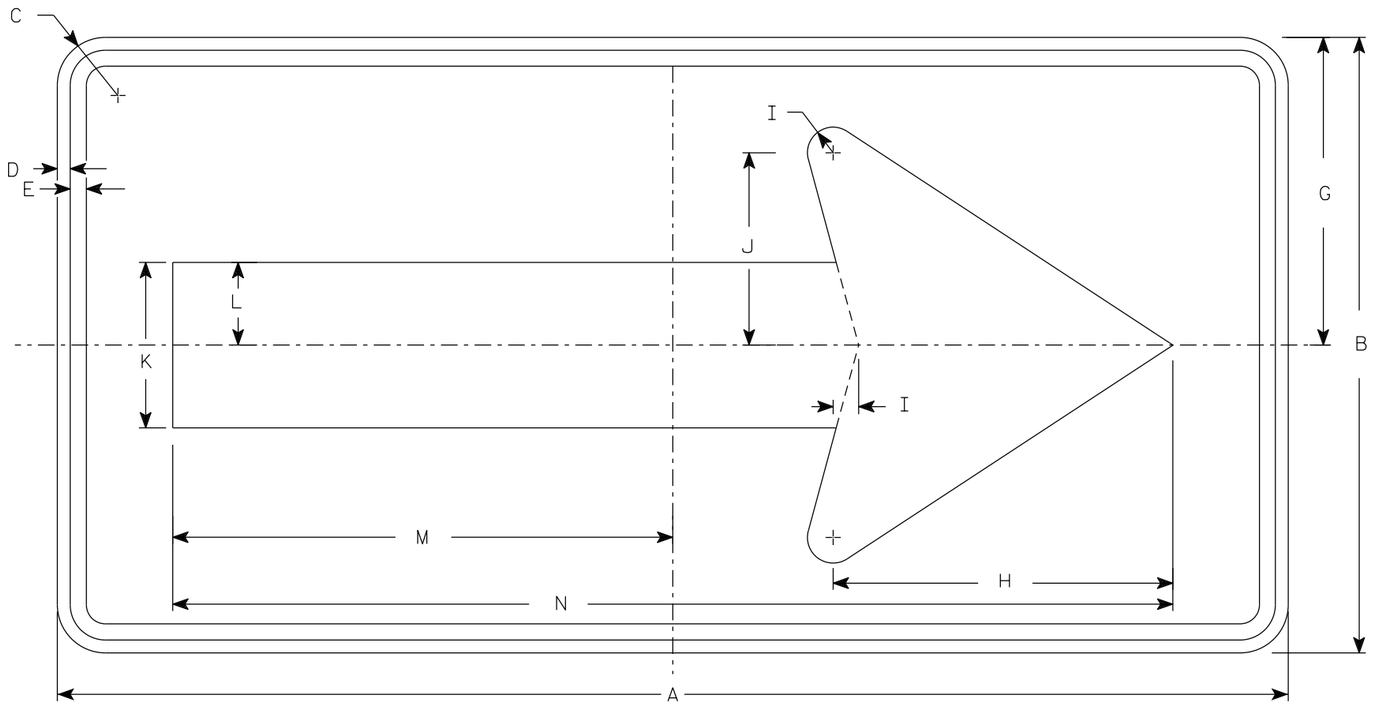
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-4B.2

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014B.dgn PLOT DATE : 29-JAN 2024 3:41 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



WO1-6

NOTES

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

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

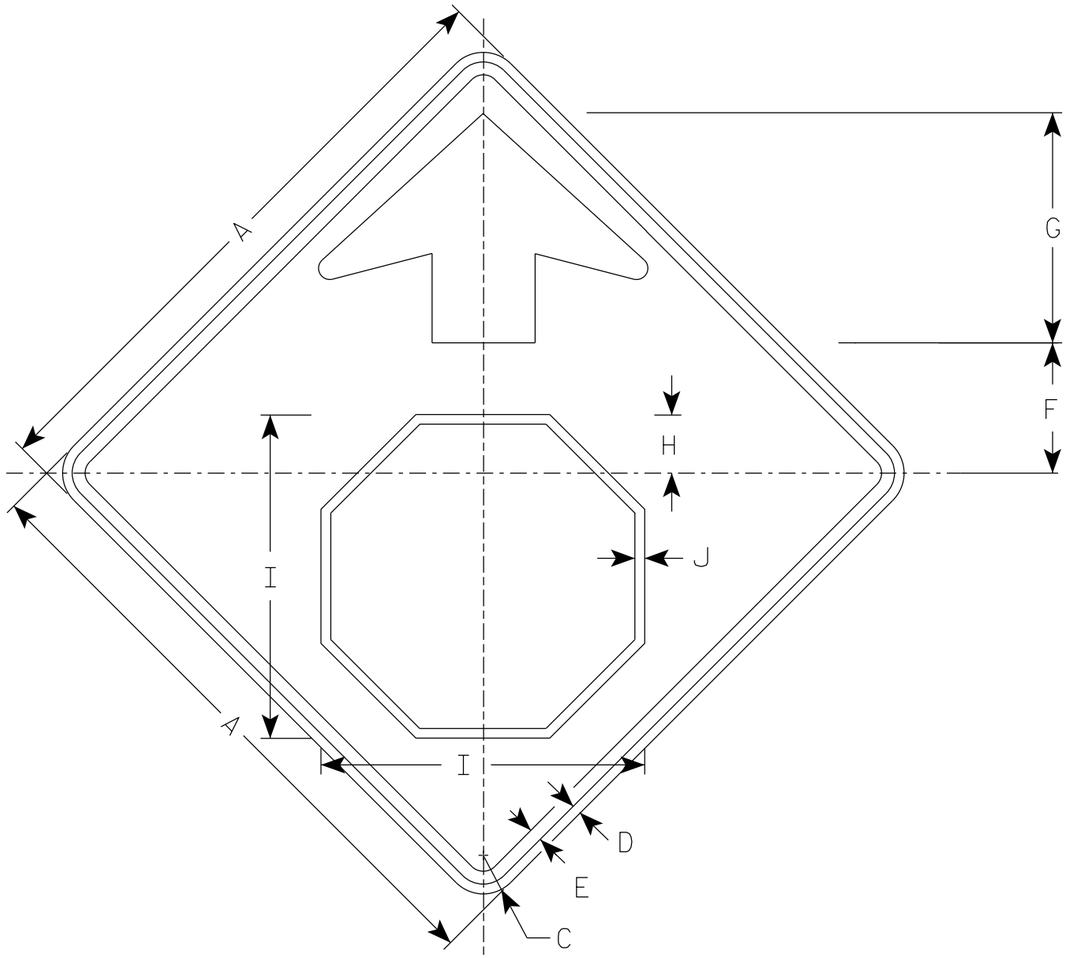
STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

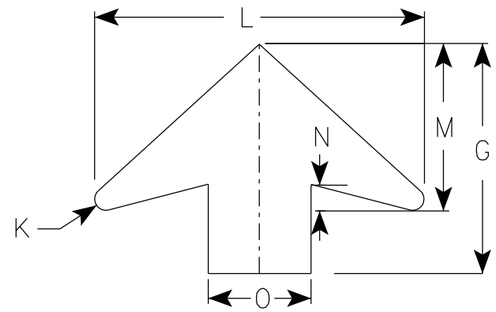
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W03-1

NOTES

1. All Signs Type II - Type F Reflective
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		2 1/4	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		3	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		3	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		3	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		3	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		3	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

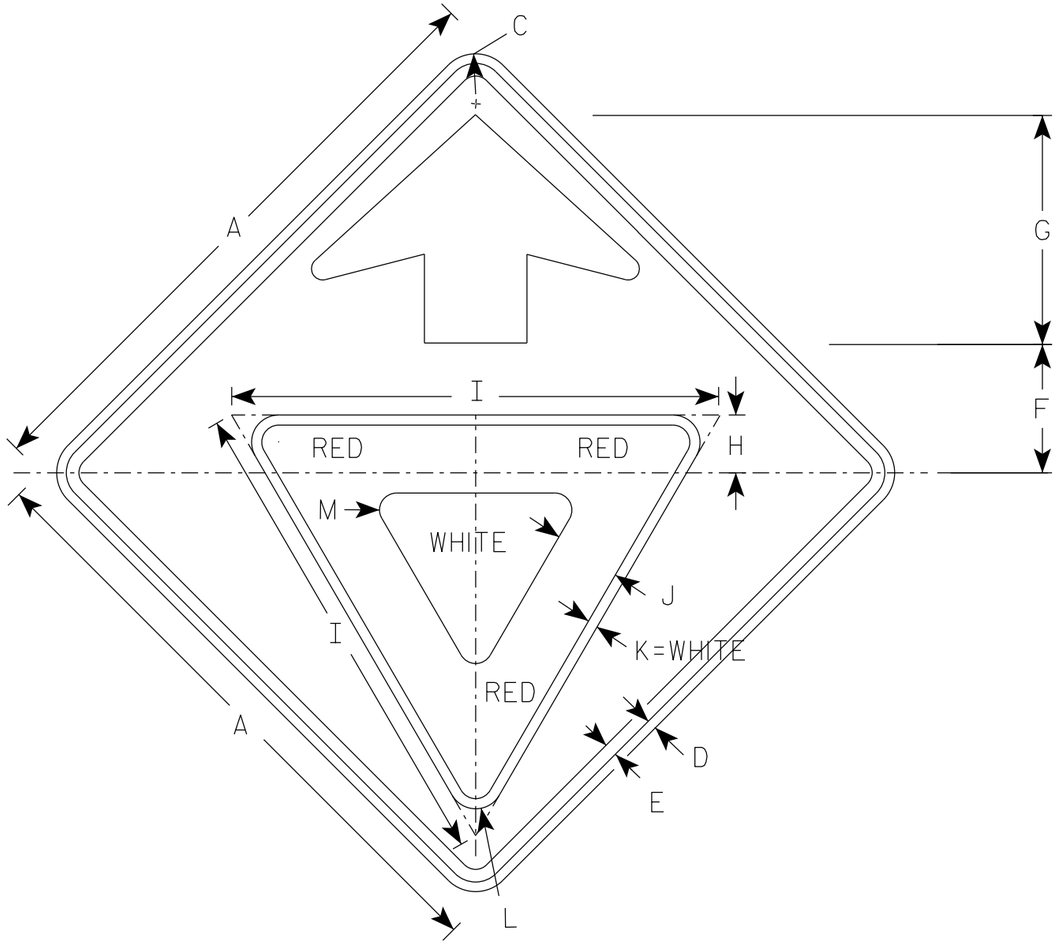
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-1.2

PROJECT NO:

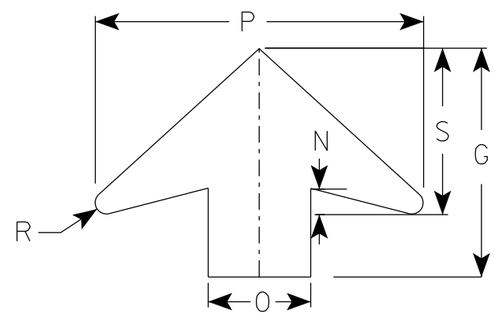
SHEET NO: 939 E



W03-2

NOTES

1. All Signs Type II - Type F Reflective
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Yield 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		2 1/4	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2S	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
2M	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
3	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
4	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		3	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W03-2

WISCONSIN DEPT OF TRANSPORTATION

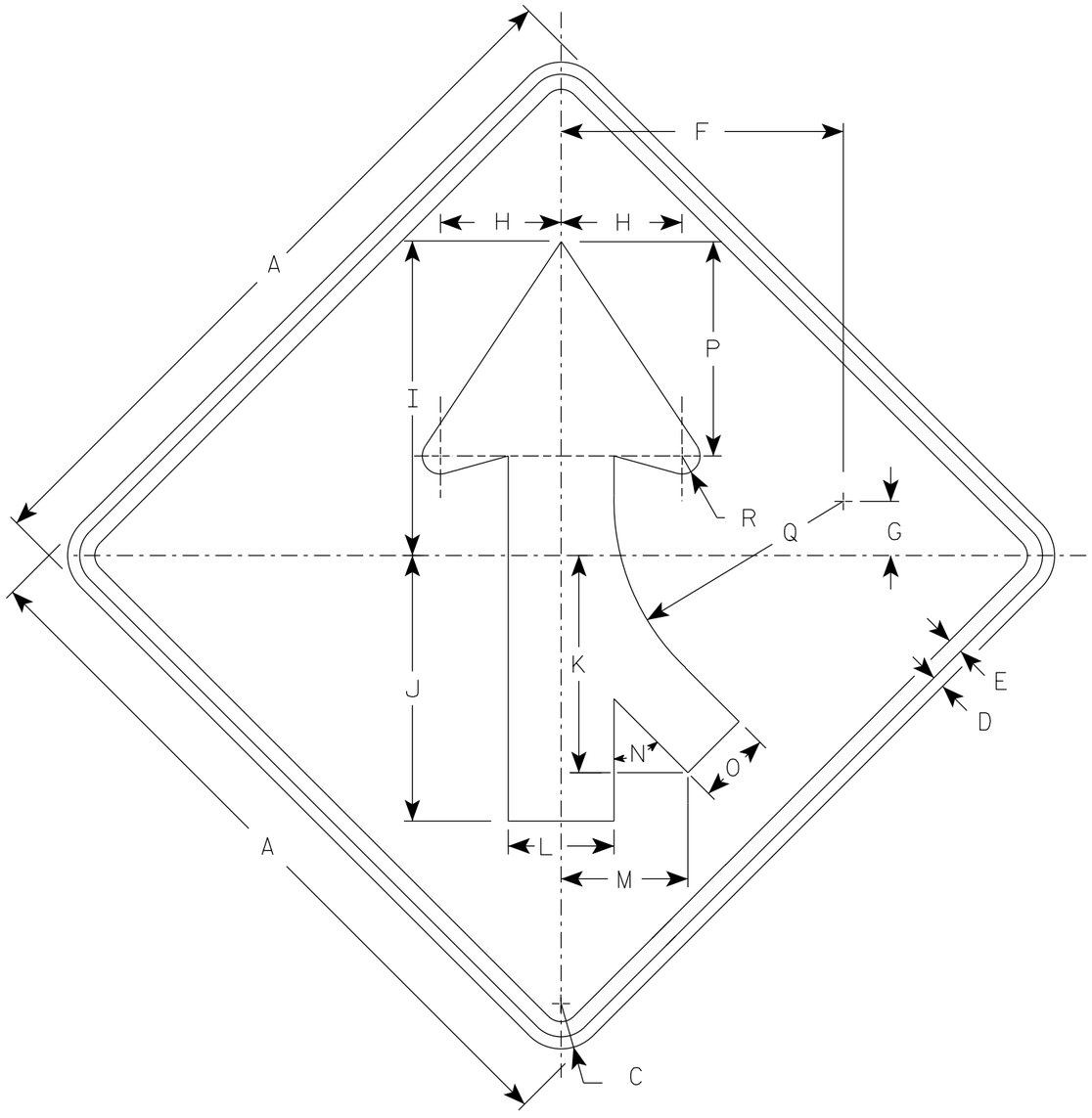
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-2.2

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W032.DGN PLOT DATE : 24-JAN 2024 1:55 PLOT BY : dotc4c
WISDOT/CADDS SHEET 42



W04-1R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-1L is the same as W04-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2S	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
2M	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
3	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
4	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

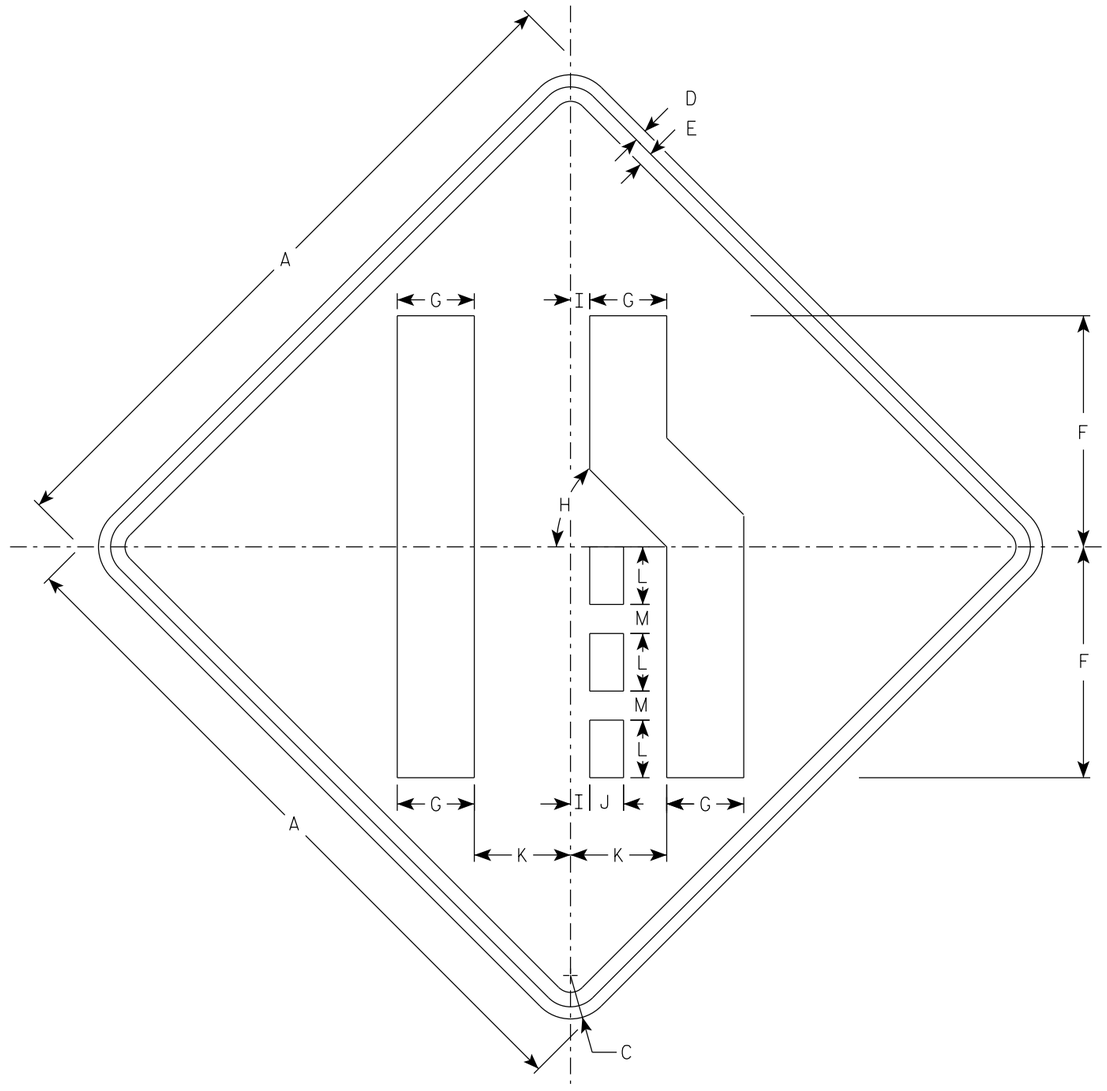
STANDARD SIGN
W04-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-1.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 941 E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

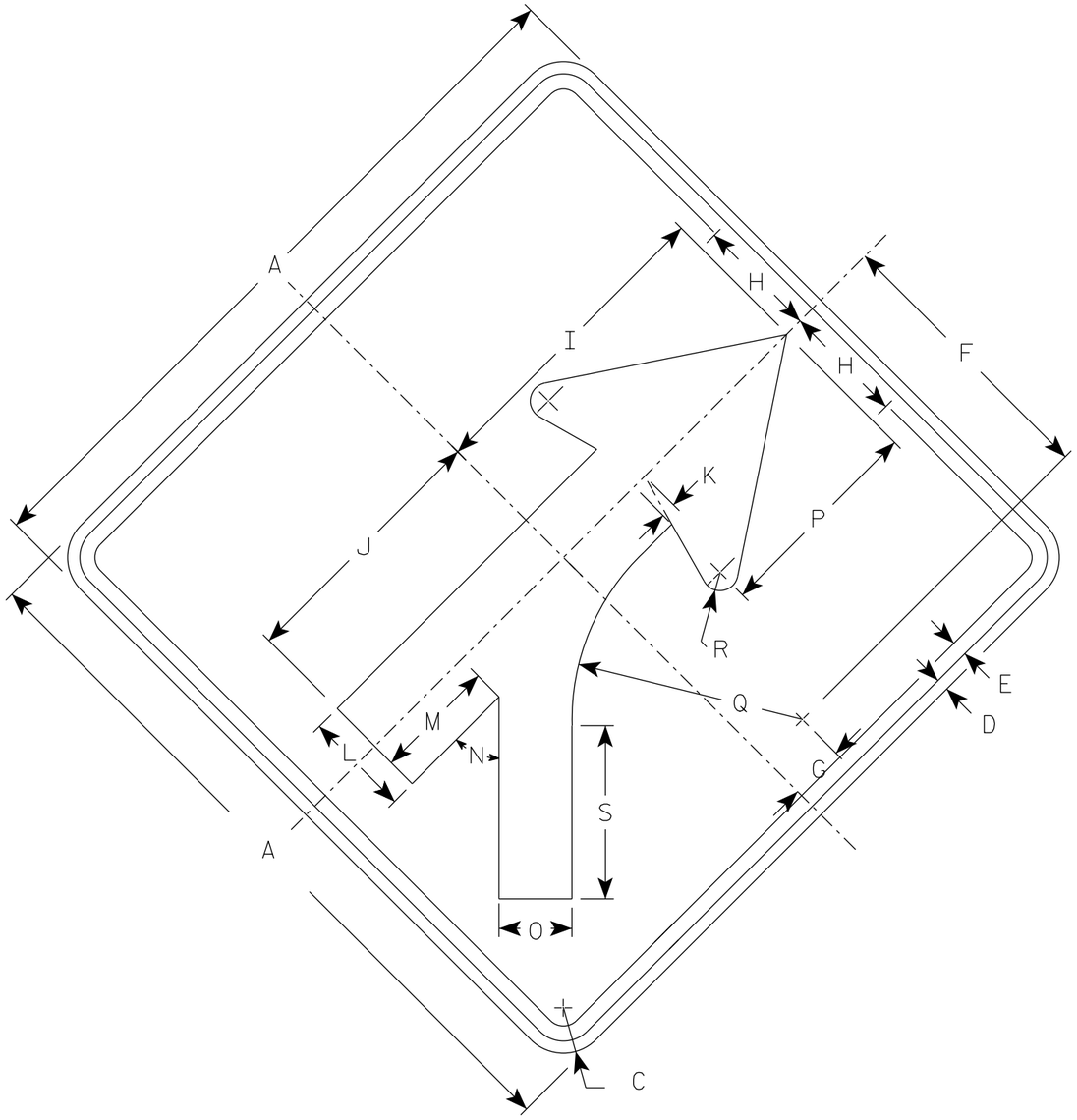
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

SHEET NO: 942 E



W04-5R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-5L is the same as W04-5R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	3/4	5 1/4	6 1/8	45°	3 5/8	10 5/8	11 3/8	7/8	8 1/2								9.0
2S	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
2M	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
3	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
4	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0
5	48		3	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	1	7	8 1/8	45°	4 3/4	14 1/4	15 1/4	1 1/4	11 3/8								16.0

STANDARD SIGN
W04-5

WISCONSIN DEPT OF TRANSPORTATION

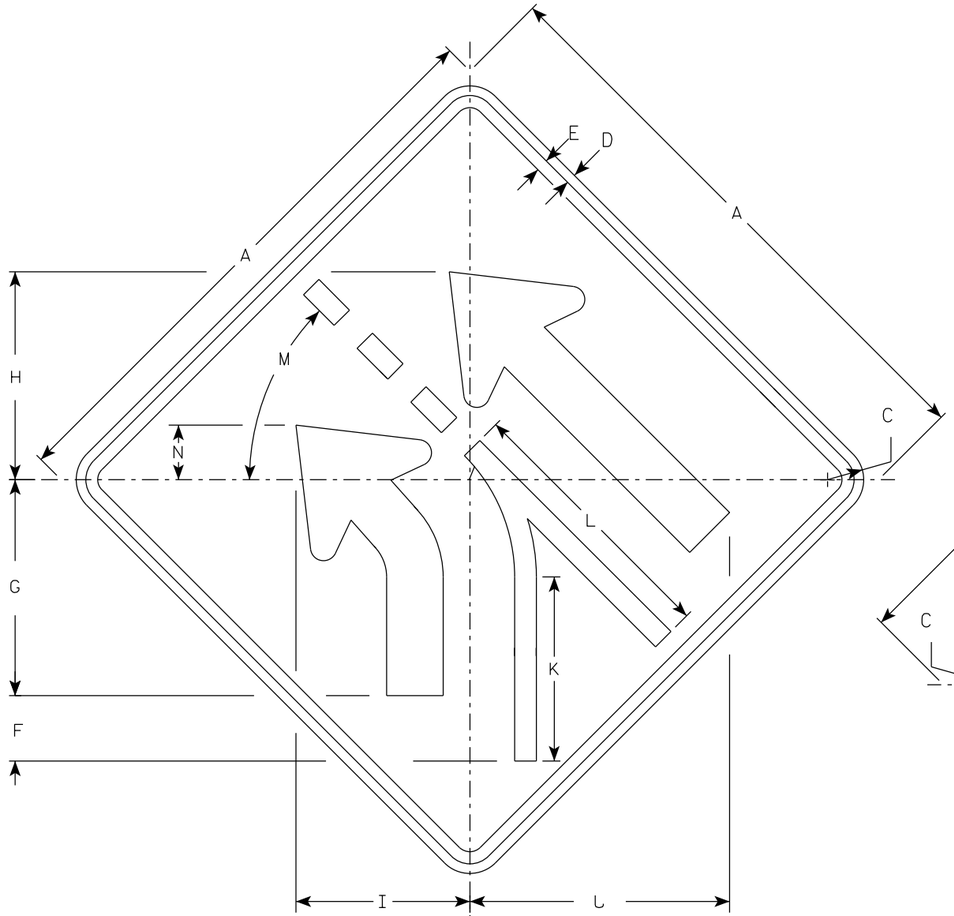
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-5.3

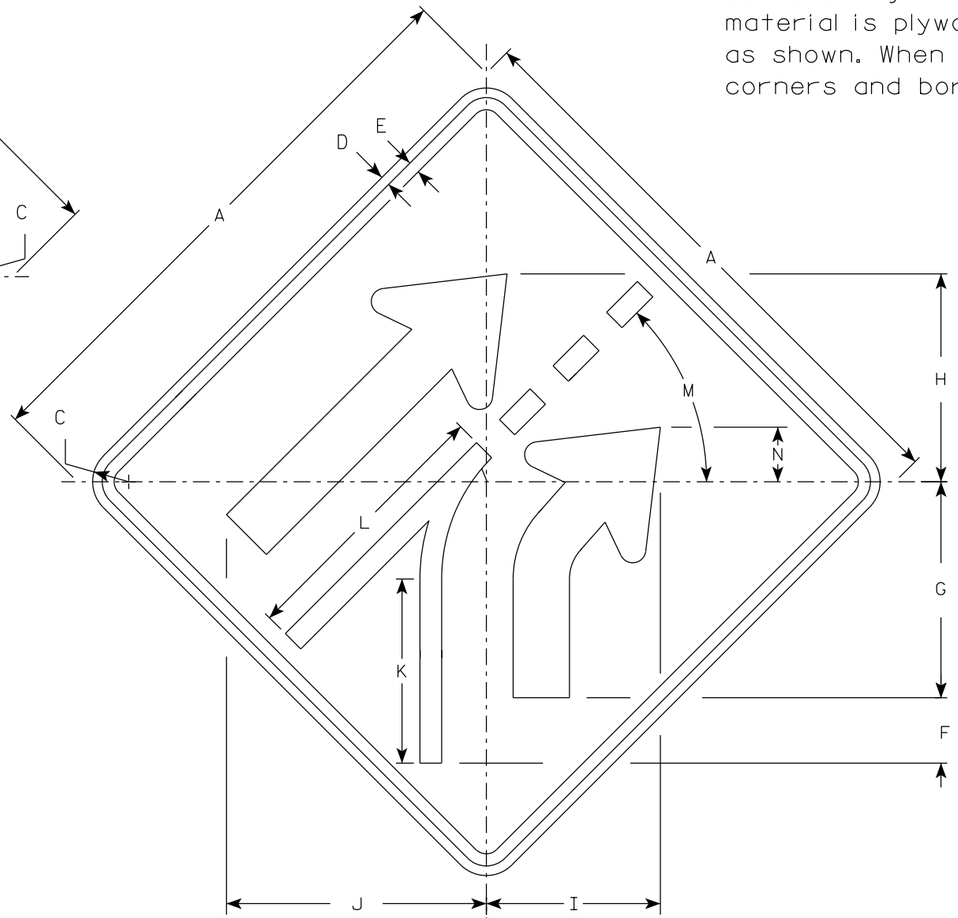
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 943 E

NOTES

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



W04-6L



W04-6R

* Scale and Rotate W04-3 and make modifications.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	4	13 1/2	13	10 7/8	16 1/4	11 1/2	16 7/8	45°	3 3/8													9.0
2S	48		3	3/4	1	5 3/8	18	17 1/4	14 1/2	21 5/8	15 1/4	22 1/2	45°	4 1/2													16.0
2M	48		3	3/4	1	5 3/8	18	17 1/4	14 1/2	21 5/8	15 1/4	22 1/2	45°	4 1/2													16.0
3	48		3	3/4	1	5 3/8	18	17 1/4	14 1/2	21 5/8	15 1/4	22 1/2	45°	4 1/2													16.0
4	48		3	3/4	1	5 3/8	18	17 1/4	14 1/2	21 5/8	15 1/4	22 1/2	45°	4 1/2													16.0
5	48		3	3/4	1	5 3/8	18	17 1/4	14 1/2	21 5/8	15 1/4	22 1/2	45°	4 1/2													16.0

STANDARD SIGN
W04-6

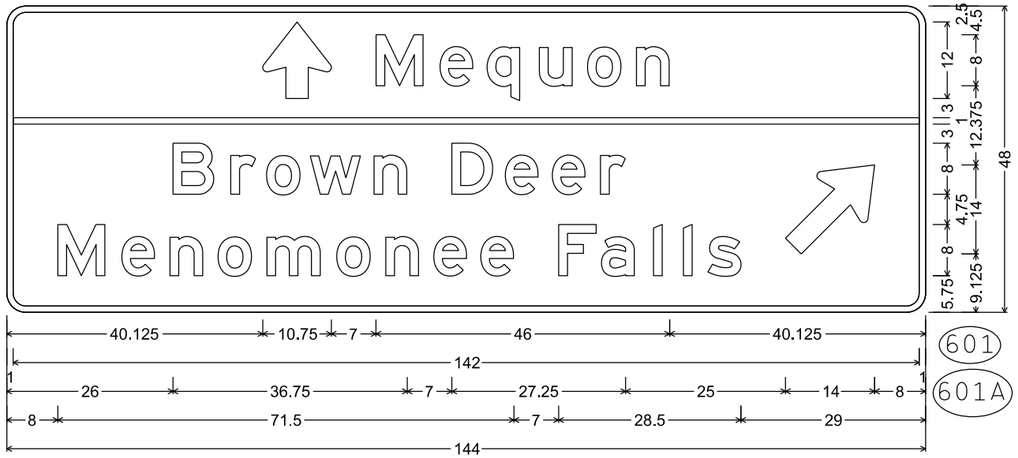
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

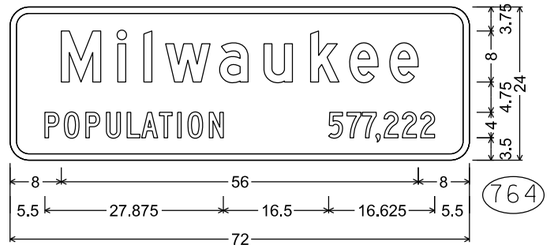
DATE 1/29/2024 PLATE NO. W04-6.2

PROJECT NO:

SHEET NO: 944 E



D1-3; 3.000" Radius, 1.000" Border,
"Mequon", E; "Brown", E; "Deer", E; "Menomonee", E; "Falls", E



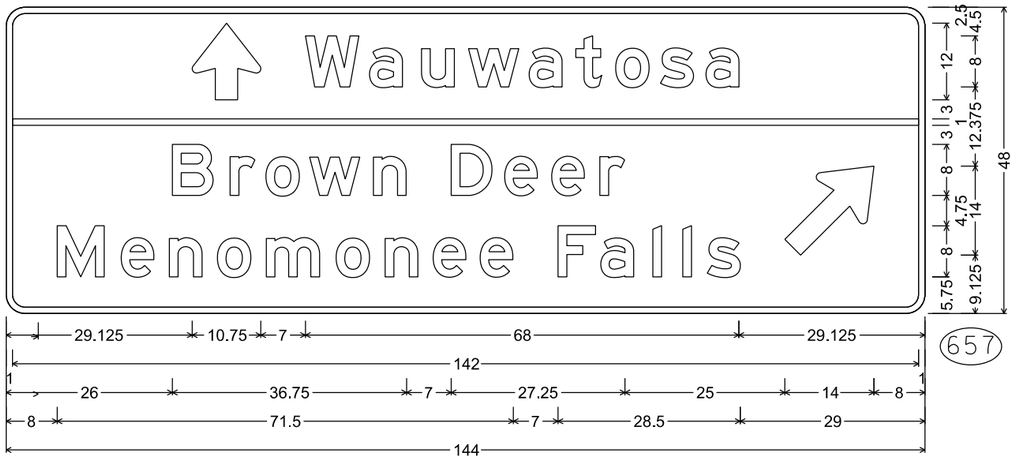
I2-3; 3.000" Radius, 1.000" Border,
"Milwaukee", D; "POPULATION", C; "577,222", C

NOTES

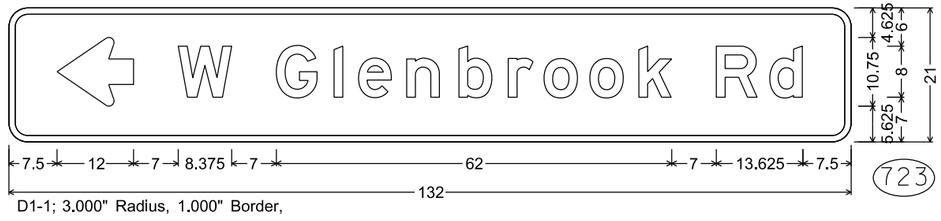
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - As noted



I2-2; 3.000" Radius, 1.000" Border,
"Milwaukee", E; "Co", E



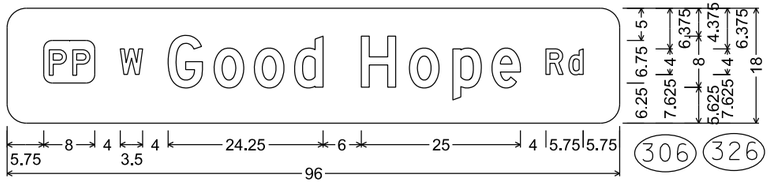
D1-3; 3.000" Radius, 1.000" Border, White on Green;
"Wauwatosa", E; "Brown", E; "Deer", E; "Menomonee", E



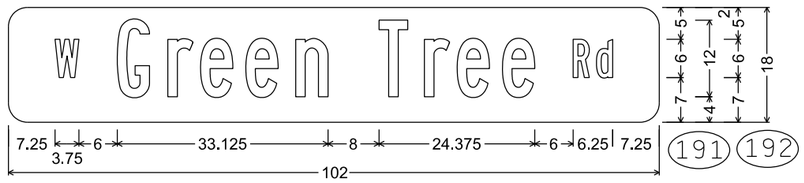
D1-1; 3.000" Radius, 1.000" Border,
"W", E; "Glenbrook", E; "Rd", E



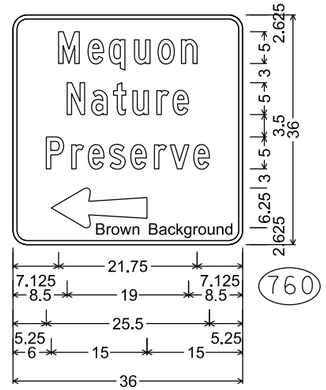
D1-1; 3.000" Radius, 1.000" Border,
"W", E; "Glenbrook", E; "Rd", E



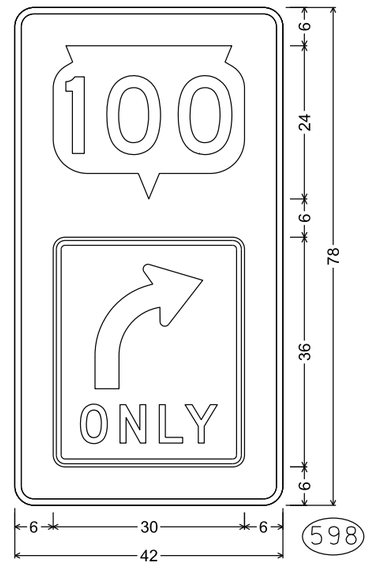
M1-94S; 3.000" Radius, No border,
"W", D; "Good", D; "Hope", D; "Rd", D



M1-94H; 3.000" Radius, No border,
"W", B; "Green", B; "Tree", B; "Rd", B



2.250" Radius, 0.625" Border, White on Brown;
"Mequon", C; "Nature", C; "Preserve", C



D15-1; 3.000" Radius, 1.000" Border

S-40-918

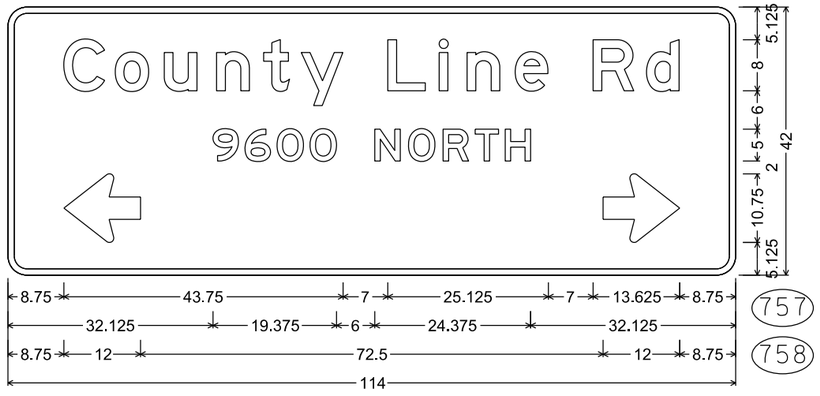
7

7

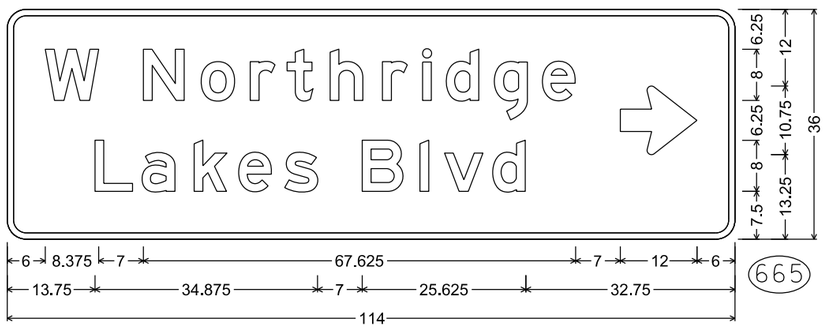
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET NO: 945	E

NOTES

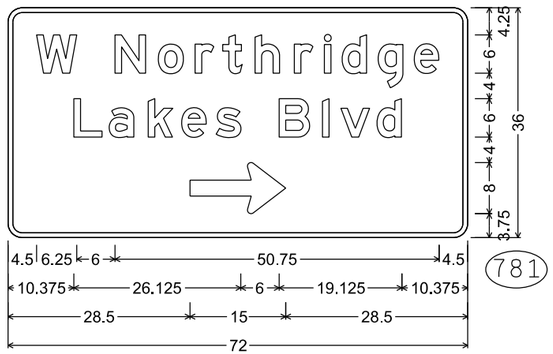
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - E



D1-61; 3.000" Radius, 1.000" Border



D1-2; 3.000" Radius, 1.000" Border



D1-2; 2.250" Radius, 0.750" Border

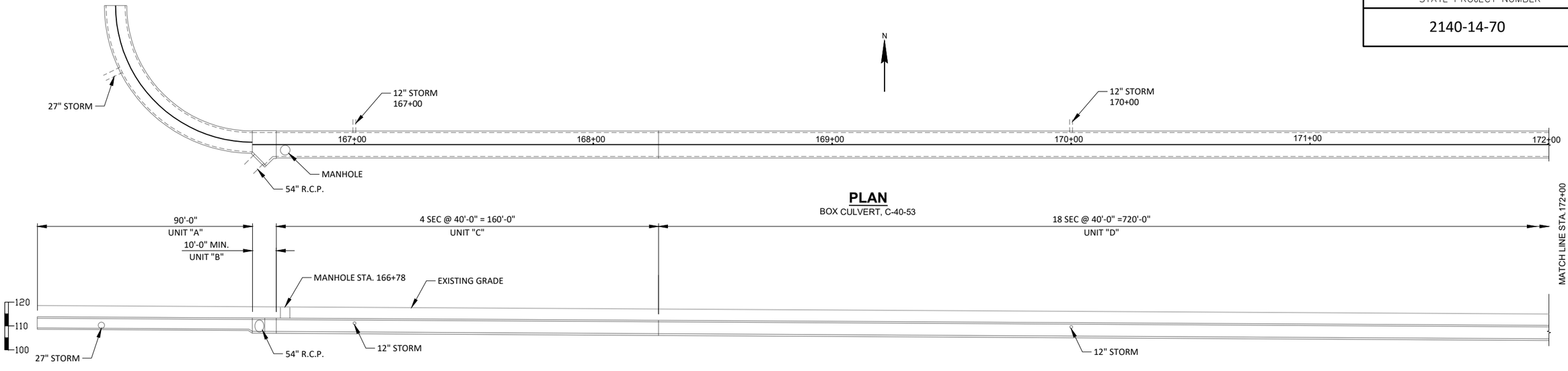
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7

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	PERMANENT SIGNING	SHEET NO: 946	E

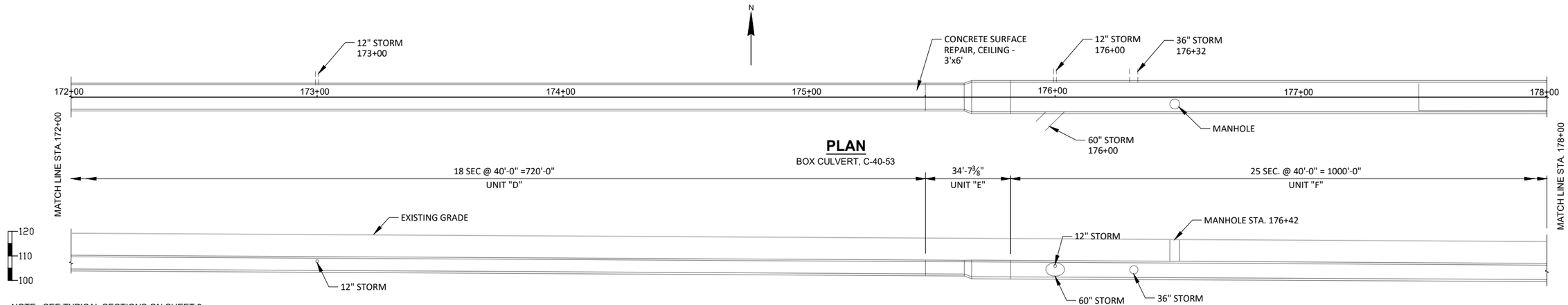
STATE PROJECT NUMBER

2140-14-70



PLAN
BOX CULVERT, C-40-53

ELEVATION
LOOKING NORTH



PLAN
BOX CULVERT, C-40-53

ELEVATION
LOOKING NORTH

NOTE: SEE TYPICAL SECTIONS ON SHEET 3.

SCOPE OF WORK

- CONCRETE SURFACE REPAIR OF CULVERT FLOOR WITH EXPOSED REBAR
- CONCRETE SURFACE REPAIR OF CEILING SPALL NEAR EAST END OF UNIT "D"
- CONCRETE SURFACE REPAIR OF WALL AND CEILING CRACK NEAR EAST END OF CULVERT
- TUCK POINT 12" STORM SEWER INLET PIPE NEAR EAST END
- STRAP EAST WINGS
- CONCRETE SURFACE REPAIR OF MISCELLANEOUS SPALLS ON WALLS AND CEILING

MATERIAL PROPERTIES

CONCRETE MASONRY --------- f'c = 3,500 P.S.I.

TRAFFIC DATA

STH 100
AADT = 31,400 (2023)
RDS = 45 MPH

STH 181
AADT = 28,550 (2026)
RDS = 50 MPH

LOAD RATINGS

INVENTORY RATING HS16
OPERATING RATING HS27
WISCONSIN STANDARD PERMIT VEHICLE (Wis-SPV): 170 kips
LOAD RATING PER WBM 45.8.3.1

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	QUANTITY
206.5001	COFFERDAMS C-40-53	EACH	1
509.1500	CONCRETE SURFACE REPAIR	SF	200
SPV.0060	TUCK POINT STORM SEWER STRUCTURE	EACH	1
SPV.0060	STRAPPING C-40-53	EACH	2

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

DIMENSIONS ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ORIGINAL CONSTRUCTION YEAR IS 1969.

ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1/2" DEEP SAWCUT, UNLESS OTHERWISE SPECIFIED.

CULVERT RUNS PARALLEL BELOW WB STH 100.

AT TIME OF LAST INSPECTION, CULVERT CONTAINED 1/2" (WEST END) TO 1'-4" (EAST END) OF WATER OVER A CLEAN CONCRETE FLOOR. SANDBAGS OR OTHER METHOD APPROVED BY THE ENGINEER SHALL BE USED TO PERFORM REPAIRS AS NEEDED. PAID FOR UNDER BID ITEM "COFFERDAMS C-40-53".

CONCRETE SURFACE REPAIR OF FLOOR SHOULD ONLY BE PERFORMED AT LOCATIONS WITH EXPOSED REINFORCEMENT. (APPROX. 118 SF)

QUANTITIES AND LOCATIONS OF CONCRETE SURFACE REPAIR ARE BASED ON BEST ESTIMATES AND CURRENT INFORMATION. LIMITS AND LOCATIONS TO BE DETERMINED BY THE ENGINEER.

LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION 1
2. GENERAL PLAN AND ELEVATION 2
3. TYPICAL SECTIONS
4. WING STRAPPING



7/10/2025

DESIGN CONSULTANT
TIM BOROWSKI, PE
(608) 298-5410

BRIDGE OFFICE CONTACT
AARON BONK, PE
(608) 261-0261

NO.	DATE	REVISION	BY

SRF

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED EMK 07/11/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE C-40-53

STH 100 - BROWN DEER RD OVER TRIB. TO NORTHRIDGE LAKE

COUNTY	~~TOWN~~/CITY/~~VILLAGE~~
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
REHABILITATION N/A

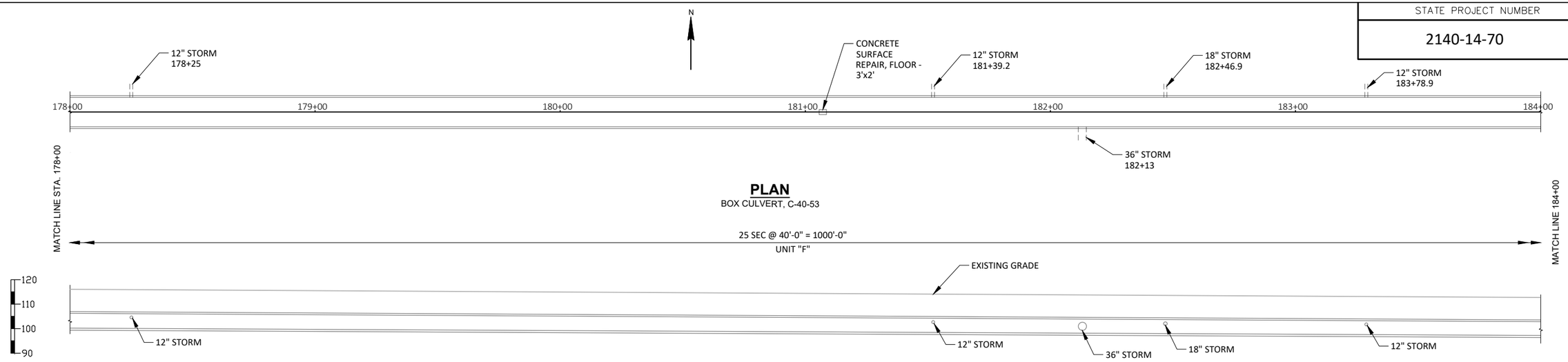
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
TAB	WCD	VCH	WCD

GENERAL PLAN AND ELEVATION 1

SHEET 1 OF 4
947

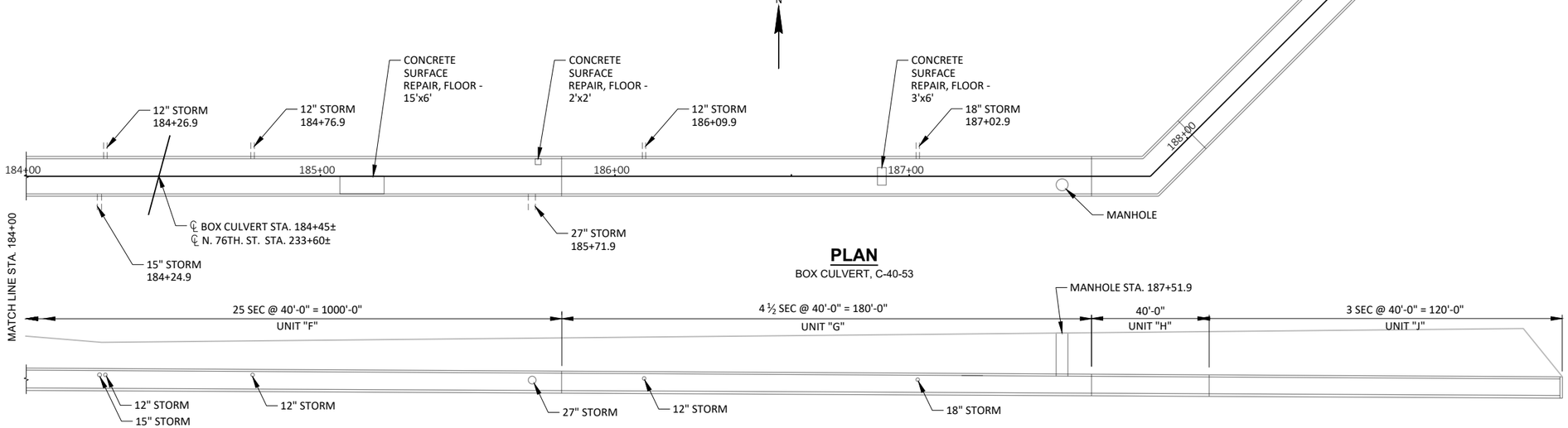
STATE PROJECT NUMBER

2140-14-70



PLAN
BOX CULVERT, C-40-53

ELEVATION
LOOKING NORTH



PLAN
BOX CULVERT, C-40-53

ELEVATION
LOOKING NORTH

NOTE: SEE TYPICAL SECTIONS ON SHEET 3.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-40-53

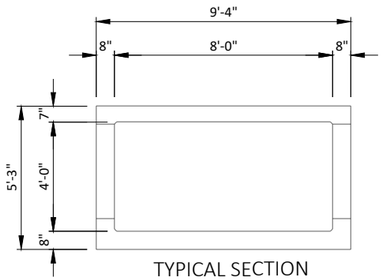
DRAWN BY VCH | PLANS CK'D. WCD

GENERAL PLAN AND ELEVATION 2

SHEET 2
948

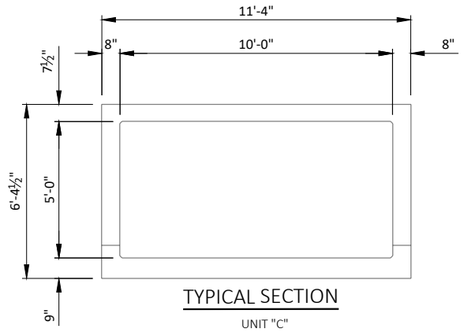
STATE PROJECT NUMBER

2140-14-70



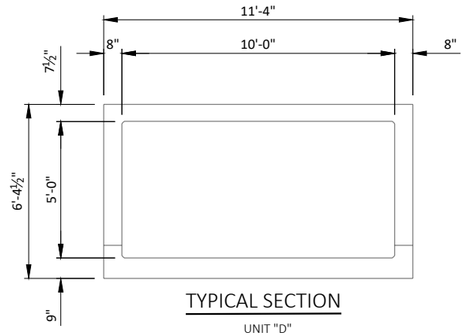
TYPICAL SECTION

UNIT "A"



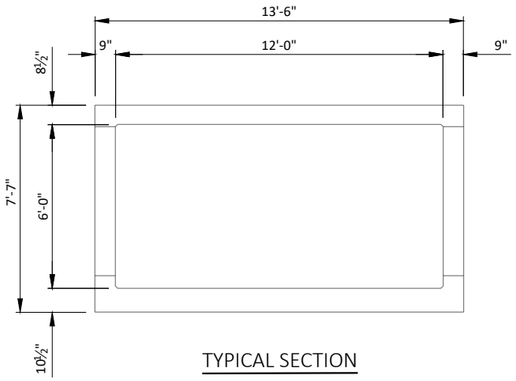
TYPICAL SECTION

UNIT "C"



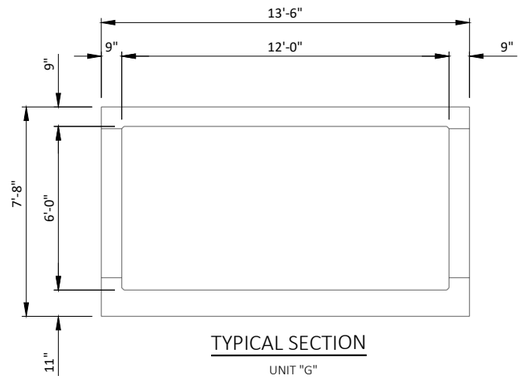
TYPICAL SECTION

UNIT "D"



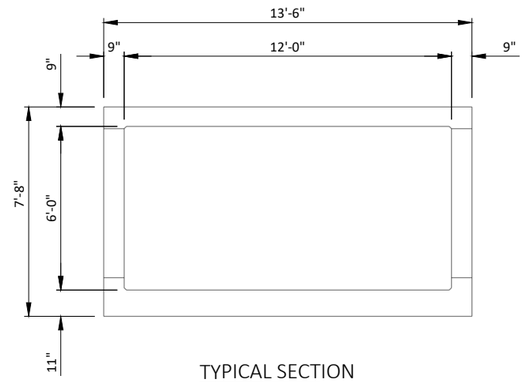
TYPICAL SECTION

UNIT "F"



TYPICAL SECTION

UNIT "G"



TYPICAL SECTION

UNIT "J"

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-40-53

DRAWN BY VCH | PLANS CK'D. WCD

TYPICAL SECTIONS

SHEET 3

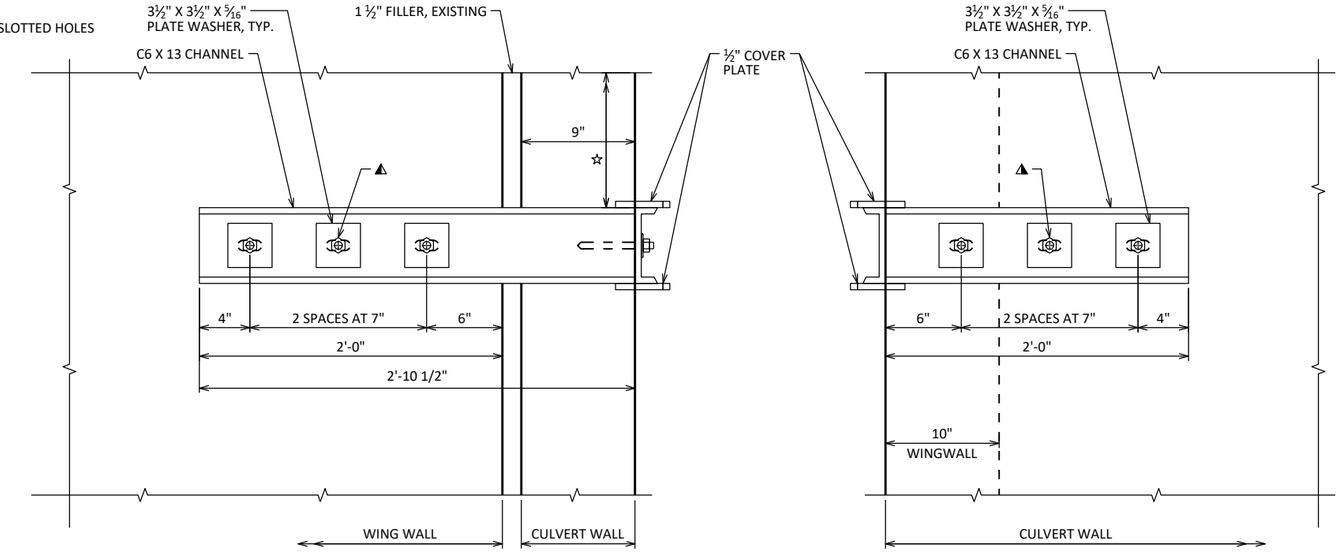
949

STATE PROJECT NUMBER

2140-14-70

⚠ ADHESIVE ANCHORS ⅝ - INCH. EMBED 5" IN CONCRETE. SEE DETAIL "A"

USE 11/16" X 1 3/16" LONG SLOTTED HOLES

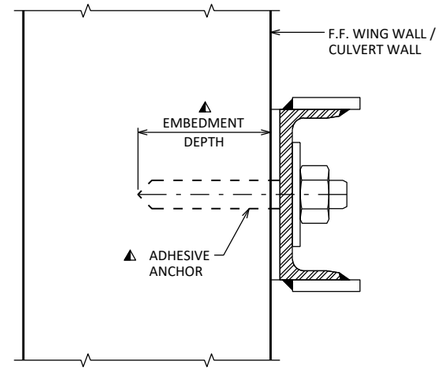


WING ELEVATION

SE WING SHOWN, NE SIMILAR

CULVERT WALL ELEVATION

SE WING SHOWN, NE SIMILAR



DETAIL A

SECTION THRU CHANNEL

NOTES

WING STRAPPING DETAIL FOR THE PURPOSE OF MITIGATING INWARD WING TIPPING, AS AN ALTERNATIVE TO THE PREFERRED METHOD OF WING REPLACEMENT.

BID ITEM SHALL BE "STRAPPING C-40-53" WHICH INCLUDES ALL ITEMS SHOWN.

WISDOT REGIONAL BRIDGE MAINTENANCE ENGINEER TO APPROVE USE OF DETAIL PRIOR TO INSTALLATION.

ALL PROVIDED STEEL MATERIAL SHALL CONFORM TO ASTM A36.

ALL STRUCTURAL STEEL SHOWN SHALL BE GALVANIZED. MASONRY ANCHORS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C.

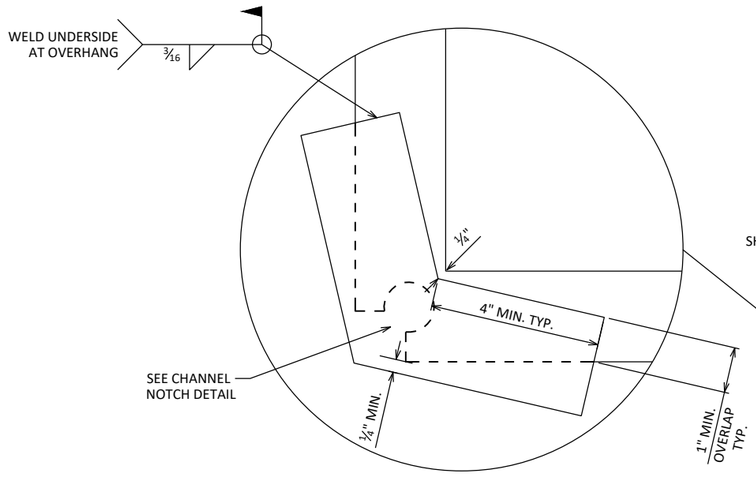
CUTTING AND DRILLING OF CHANNEL SHALL BE DONE IN FABRICATION SHOP, PRIOR TO GALVANIZING.

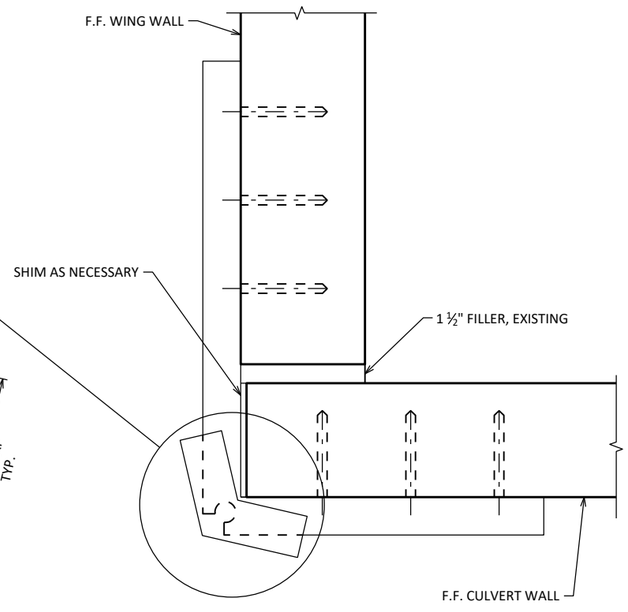
IF WELDING COVER PLATE IN FIELD, PRIOR TO WELDING, REMOVE GALVANIZING FROM AREA TO BE WELDED. TOUCH UP WITH PAINT ALL AREAS LACKING GALVANIZING WHEN COMPLETE.

CAULK AROUND PERIMETER OF CHANNEL AND FILL PORTION OF HOLE AROUND ANCHOR BOLT AND SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.

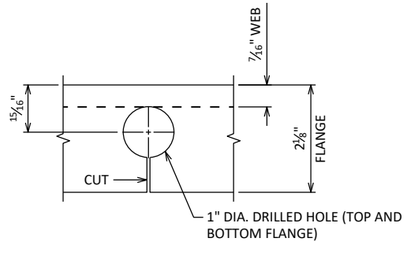
☆ PLACE CHANNEL AS HIGH AS CONSTRUCTION RESTRAINTS ALLOW WITHIN CULVERT BARREL.





PLAN

SE WING SHOWN, NE SIMILAR



CHANNEL NOTCH DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-40-53

DRAWN BY VCH | PLANS CK'D WCD

WING STRAPPING

SHEET 4

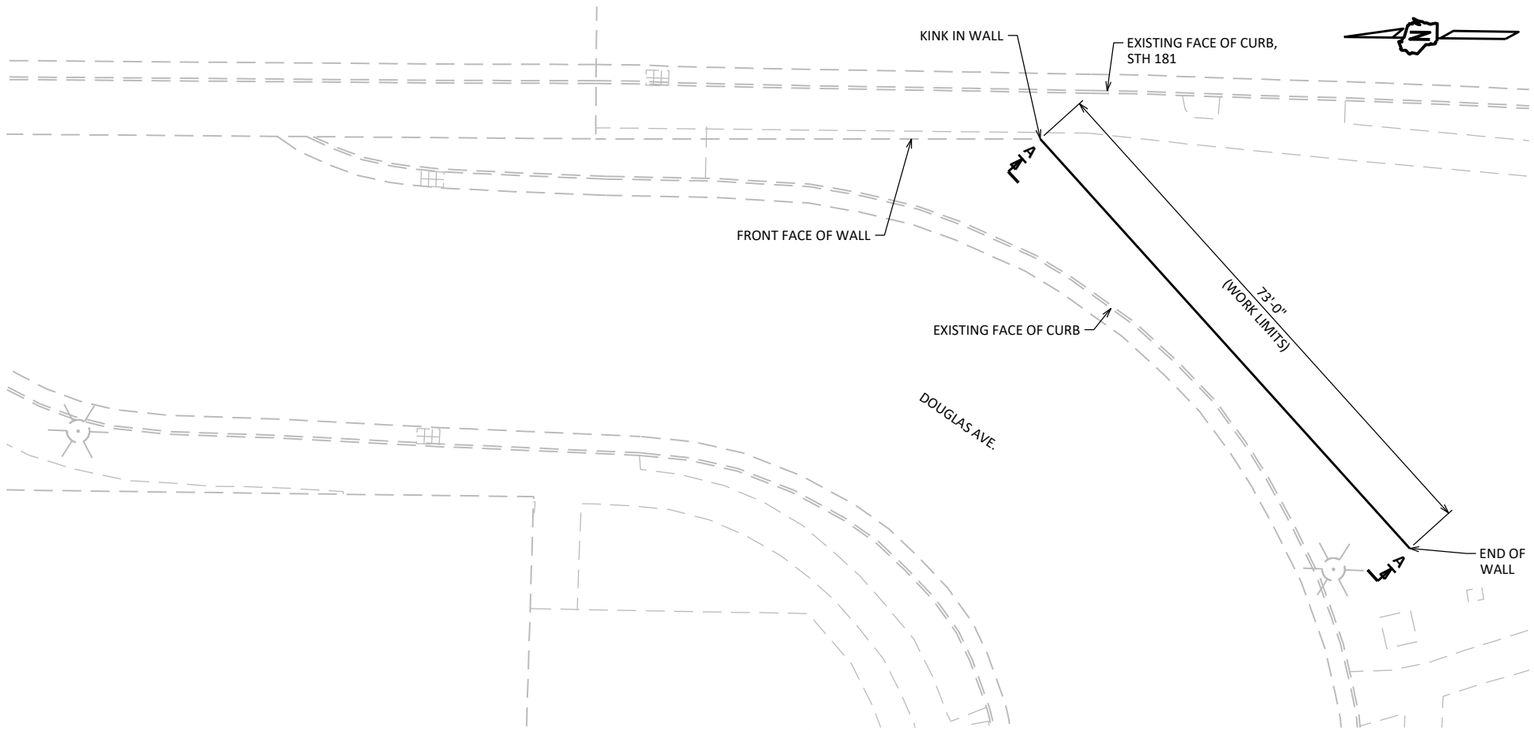
950

SCALE = 2.00

8

8

STATE PROJECT NUMBER
2140-14-70



PLAN

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
616.0204	FENCE CHAIN LINK 4-FT	LF	72
SPV.0060	REMOVING FENCE, R-40-76	EACH	1

GENERAL NOTES

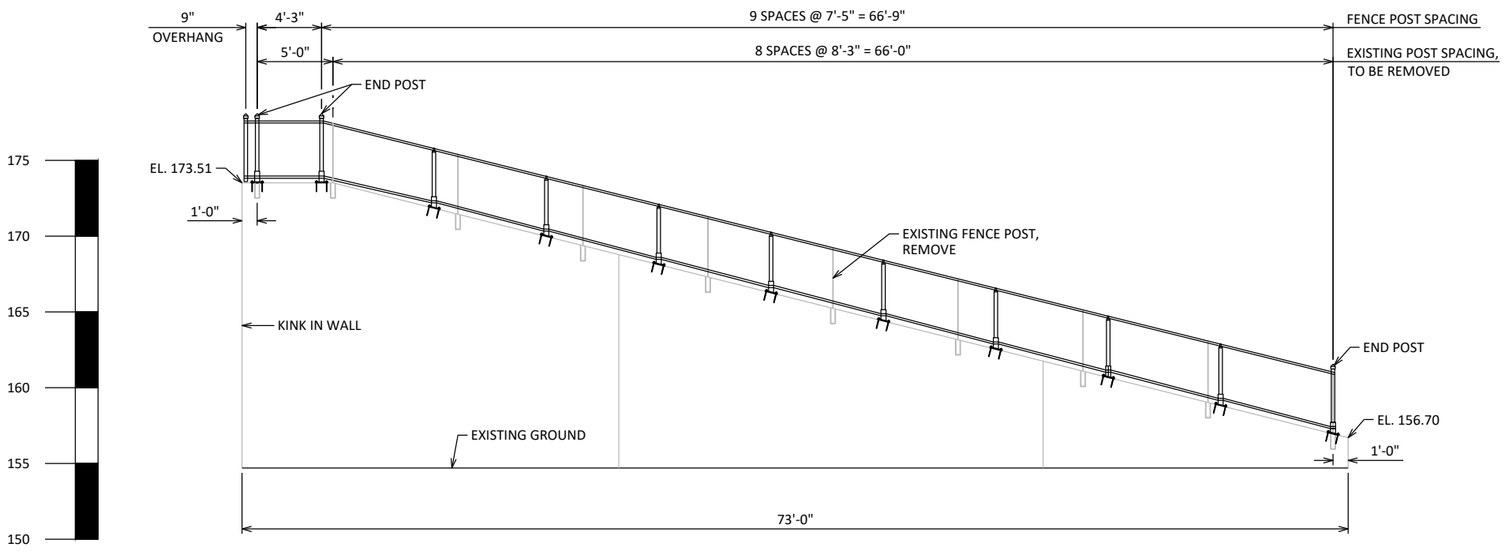
DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS AND ELEVATIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

EXISTING FENCE SHALL BE REMOVED AS "REMOVING FENCE, R-40-76", SEE SPECIAL PROVISION.

SCOPE OF WORK

- REMOVE AND REPLACE FENCE



ELEVATION

A-A, FRONT FACE OF WALL LOOKING SE

LIST OF DRAWINGS:

1. GENERAL PLANS
2. FENCING DETAILS

WISCONSIN
TIMOTHY A. BOROWSKI
E-45180
VERONA
WI
PROFESSIONAL ENGINEER
4/25/2025

NO.	DATE	REVISION	BY

SRF

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED EMR 05/22/25
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE R-40-76

RETAINING WALL WEST OF STH 181 AT DOUGLAS AVE.

COUNTY	CITY
MILWAUKEE	MILWAUKEE

DESIGN SPEC.
N/A - REHABILITATION

DESIGNED BY	DESIGN CK'D	DRAWN BY	PLANS CK'D
TAB	ESH	ERJ	ESH

GENERAL PLANS

SHEET 1 OF 2
951

DESIGN CONSULTANT:
TIM BOROWSKI, PE
(608) 298-5410

BRIDGE OFFICE CONTACT:
AARON BONK, PE
(608) 261-0261

FILEPATH: H:\PROJECTS\17000\17801\TECHDATA\WISDOT_DESIGN ID (2140-14-00)\STRUCSHEETS\R-40-0076\R-40-0076_GP01.DWG

I.D.

DATE:

8

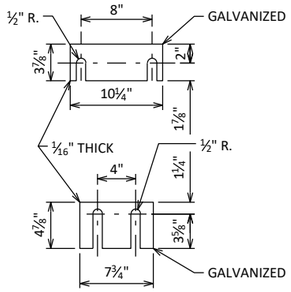
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STATE PROJECT NUMBER

2140-14-70

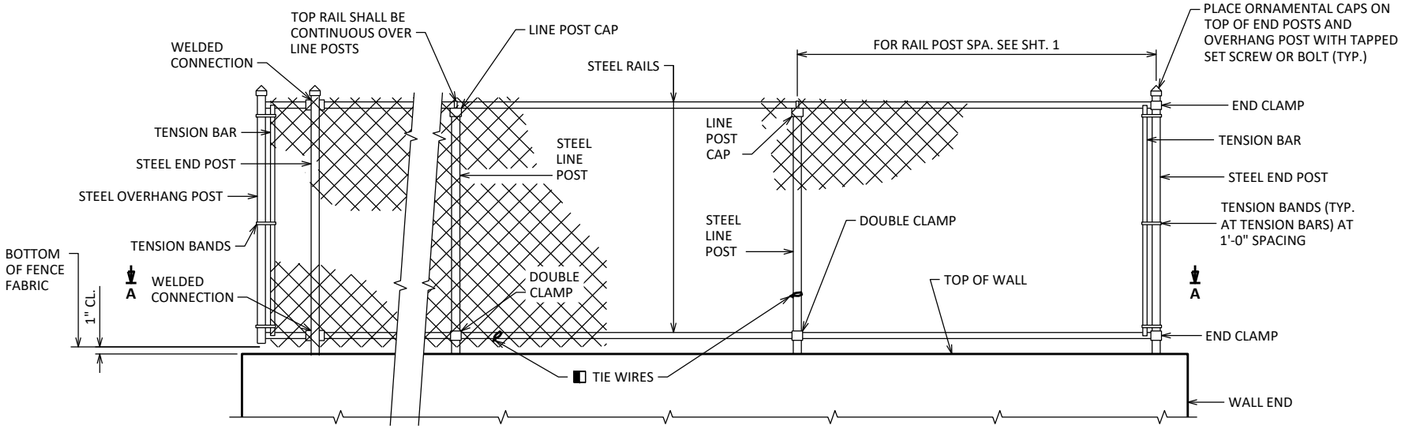
FENCE MEMBER SIZE & WEIGHT

STEEL FENCE MEMBER	OUTSIDE DIAMETER (INCHES)	WEIGHT (LB/FT)
RAILS	1.660	2.27
END POST	2.875	5.80
OVERHANG POST	2.875	5.80
LINE POST	2.375	3.65
POST SLEEVE	4.000	9.12

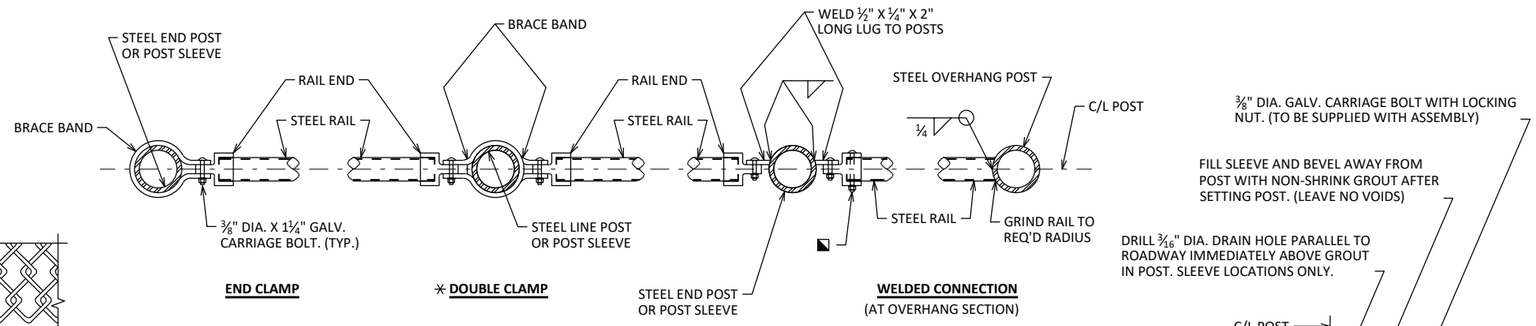


SHIM PLATE DETAILS

TWO SHIMS OF EACH SIZE REQUIRED PER POST

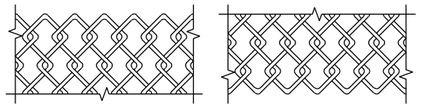


FENCE PART ELEVATION



SECTION A-A

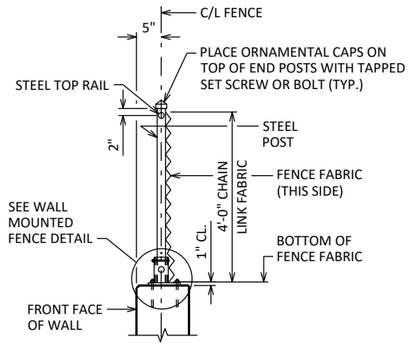
NOTE: PLACE ALL BOLT HEADS ON SIDE OF FENCE ADJACENT TO PEDESTRIANS



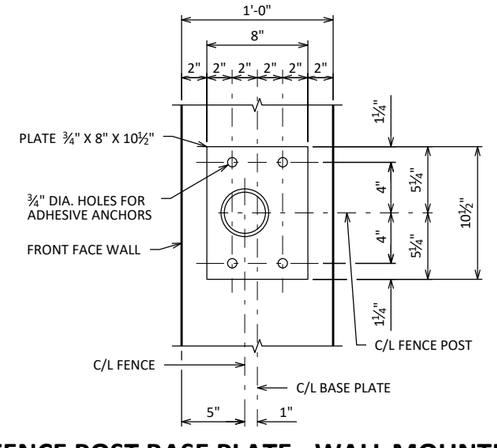
TOP DETAIL **BOTTOM DETAIL**

FENCE FABRIC

FENCE FABRIC WOVEN OF 9-GAGE WIRE IN 2" DIAMOND PATTERN MESH WITH BOTH THE TOP AND BOTTOM SELVAGES KNUCKLED.



SECTION THRU FENCE



FENCE POST BASE PLATE - WALL MOUNTED

NOTES

POSTS ARE TO BE SET VERTICAL.

ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL, EXCEPT THE FENCE FABRIC WHICH MAY BE ALUMINUM-COATED STEEL OR GALVANIZED STEEL.

FABRIC SHALL CONFORM TO ASTM A491 OR A392, CLASS 2. STEEL RAILS, POSTS AND POST SLEEVES SHALL CONFORM TO ASTM F1083, STANDARD WEIGHT PIPE (SCHEDULE 40). FITTINGS SHALL CONFORM TO ASTM F626.

THE BID ITEM SHALL BE "FENCE CHAIN LINK 4- FT."

COMPLETE ANY REQUIRED WELDING OF COMPONENTS BEFORE GALVANIZING.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

BASE PLATES AND SHIMS SHALL BE ASTM A709, GRADE 36.

ALL POST SPACINGS ARE MEASURED HORIZONTALLY ALONG THE C/L OF THE POST.

◪ CAULK AROUND PERIMETER OF BASE PLATE AND FILL PORTION OF SLOTTED HOLE AROUND ANCHOR BOLT IN SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

✳ ALTERNATE TO DOUBLE CLAMP: USE LINE RAIL CLAMP (BOULEVARD) OR 180° BRACE BAND, WHICH MAY BE USED WHEN THE POSTS ARE EITHER BOLTED TO THE POST SLEEVES OR DIRECTLY WELDED TO THE BASE PLATE.

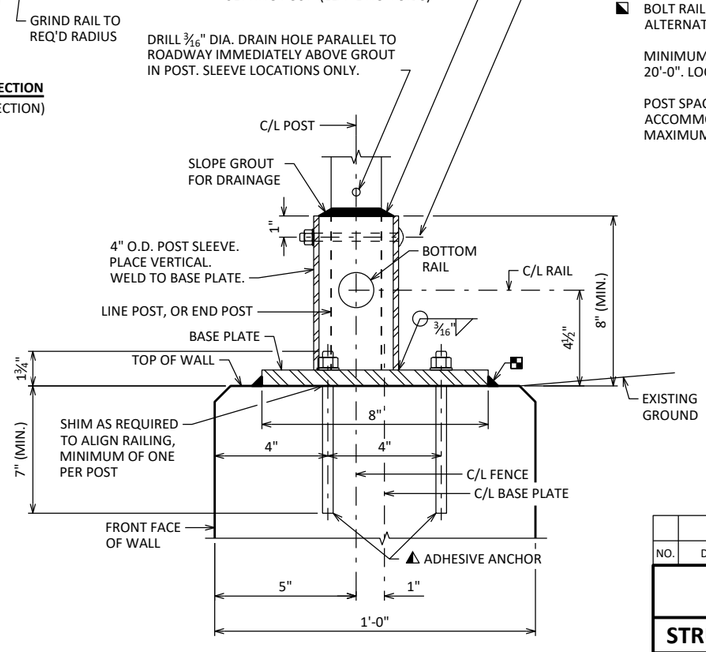
◭ CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE. ADHESIVE ANCHORS SHALL CONFORM TO SECTIONS 502.2.12 AND 502.3.14 OF THE STANDARD SPECIFICATIONS. GALVANIZE NUT AND WASHER.

◧ ATTACH FABRIC TO RAILS, AND TO POSTS WITHOUT TENSION BANDS, WITH TIE WIRES (ROUND, 9-GAGE) SPACED AT 1'-0".

◹ BOLT RAIL TO RAIL END TO SECURE OVERHANG SECTION. ALTERNATE IS TO WELD RAIL DIRECTLY TO END POST.

MINIMUM LENGTH OF TOP RAIL BETWEEN SPLICES SHALL BE 20'-0". LOCATE SPLICES NEAR ¼ POINT OF POST SPACING.

POST SPACING MAY BE ADJUSTED IN THE FIELD TO ACCOMMODATE ACTUAL LOCATIONS OF EXISTING POSTS. MAXIMUM POST SPACING IS 8'-0".



WALL MOUNTED FENCE DETAIL

UNIT SHALL BE GALVANIZED AFTER FABRICATION

NOTE: IN LIEU OF USING THE POST SLEEVE, THE FENCE POST MAY BE WELDED TO THE BASE PLATE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-40-76

DRAWN BY ERJ | PLANS CK'D ESH

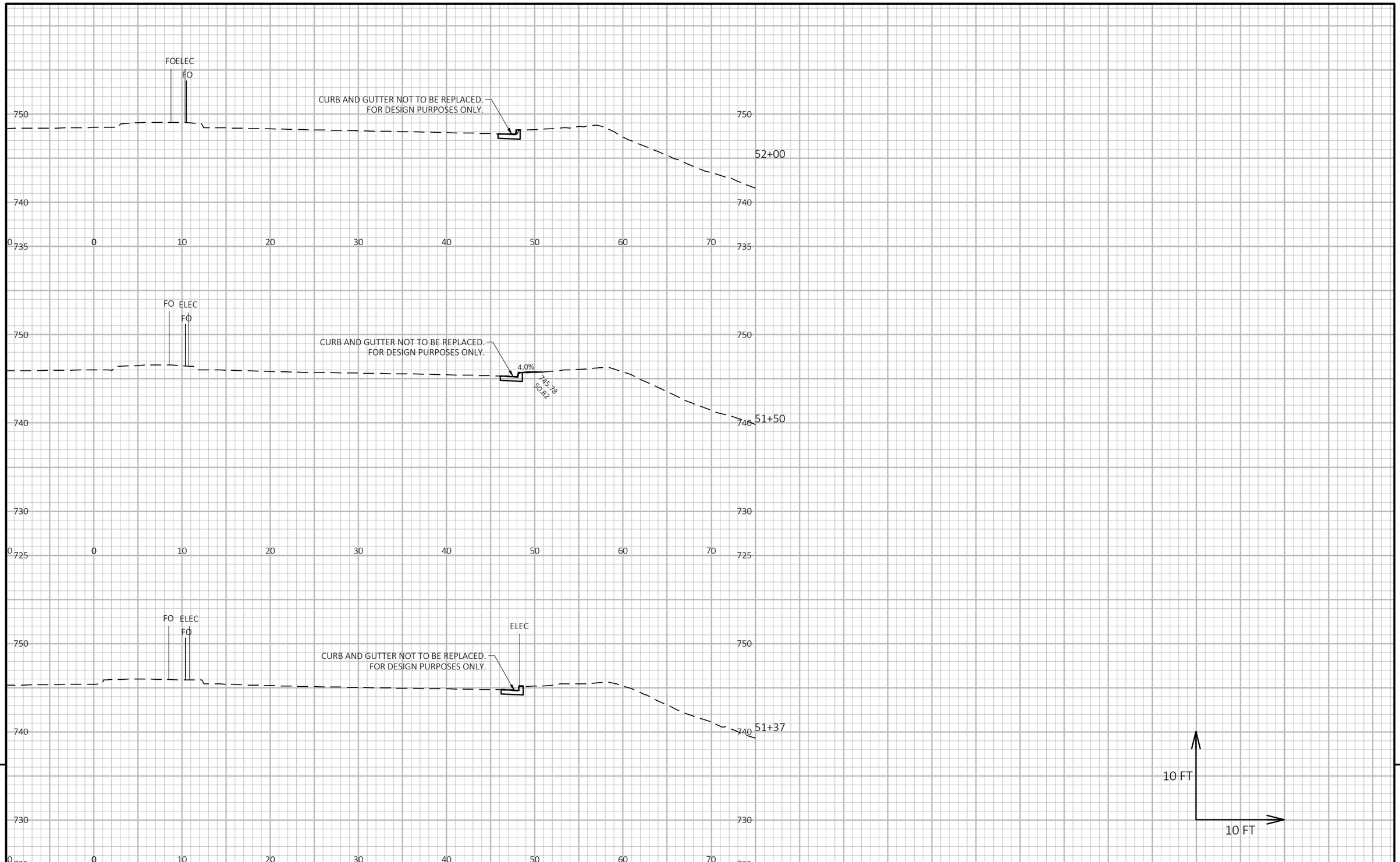
FENCING DETAILS

SHEET 2
952

8

8

FILEPATH: H:\PROJECTS\17000\17801\TECHDATA\WISDOT_DESIGN ID (2140-14-00)\STRUCSHEETS\R-40-0076\R-40-0076_RAIL01.DWG



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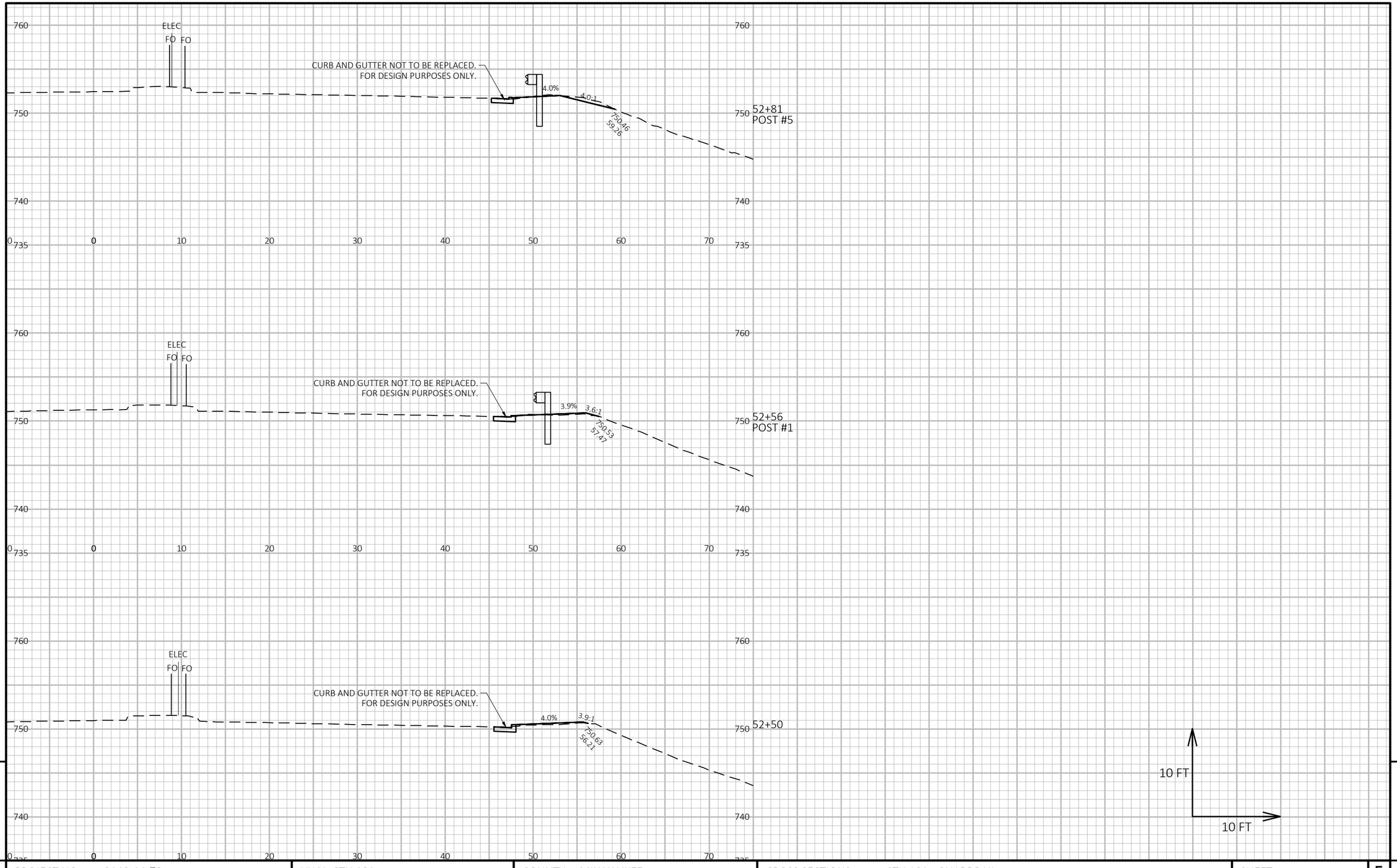
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - GUARDRAIL	SHEET 953	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090203-XS-STH181-GR.DWG
LAYOUT NAME - 01

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

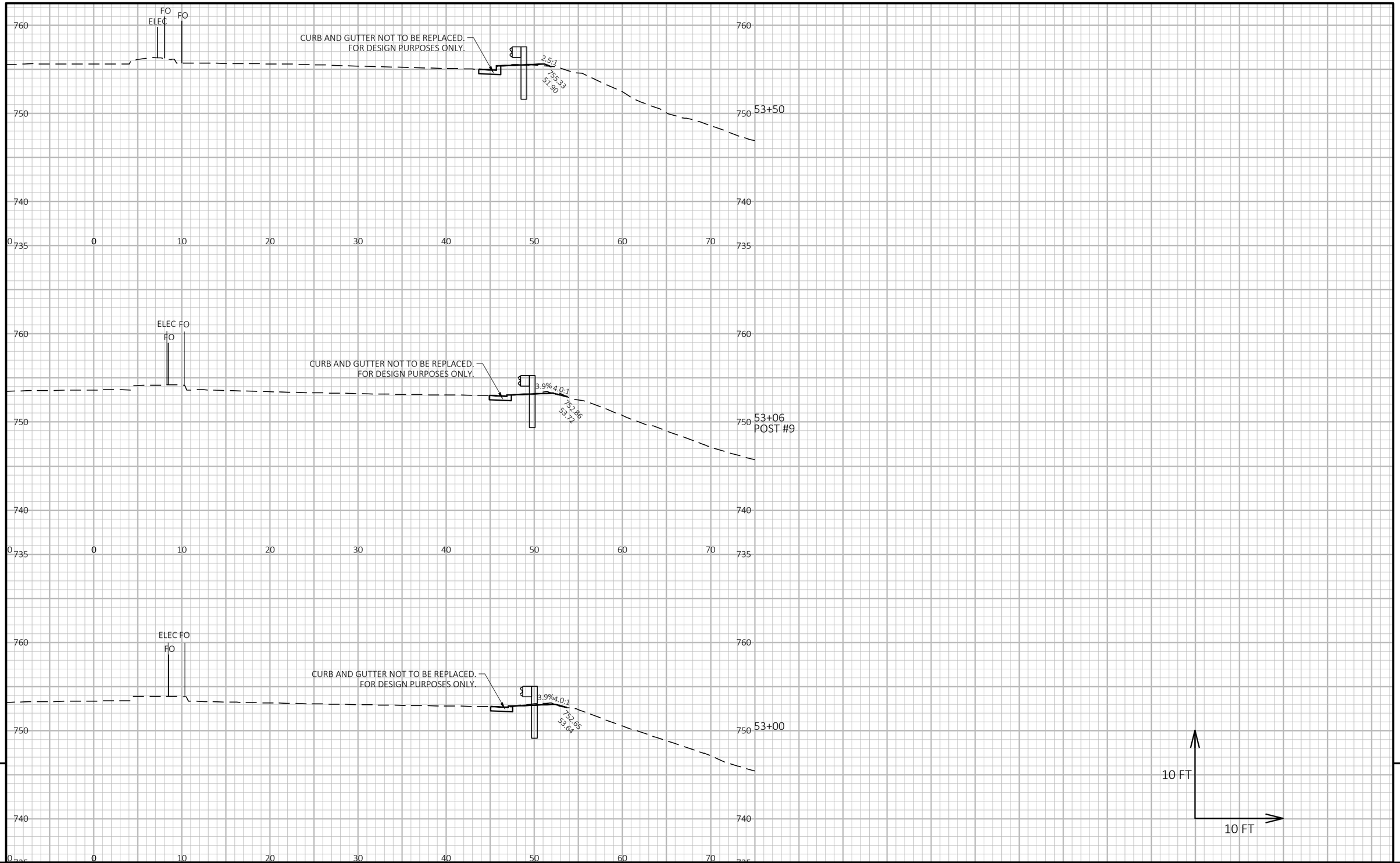
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LAYOUT NAME - 02

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



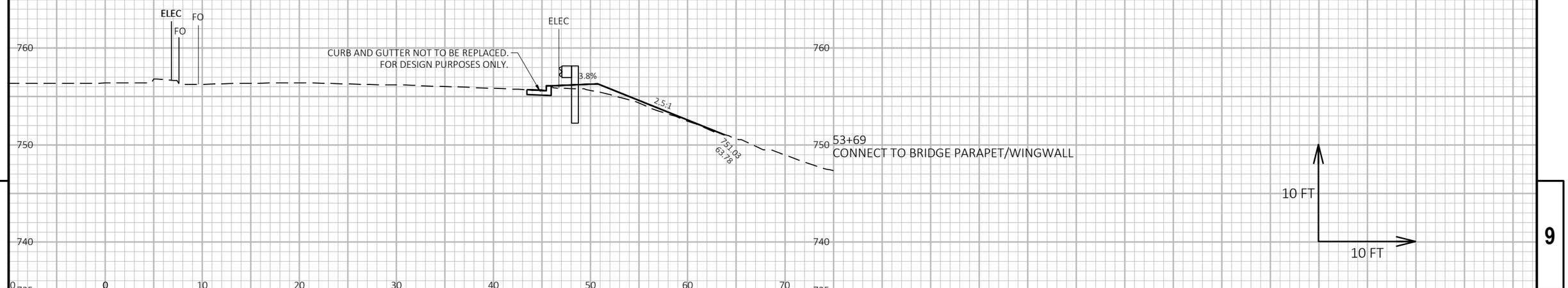
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - GUARDRAIL	SHEET 955	E

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LAYOUT NAME - 03

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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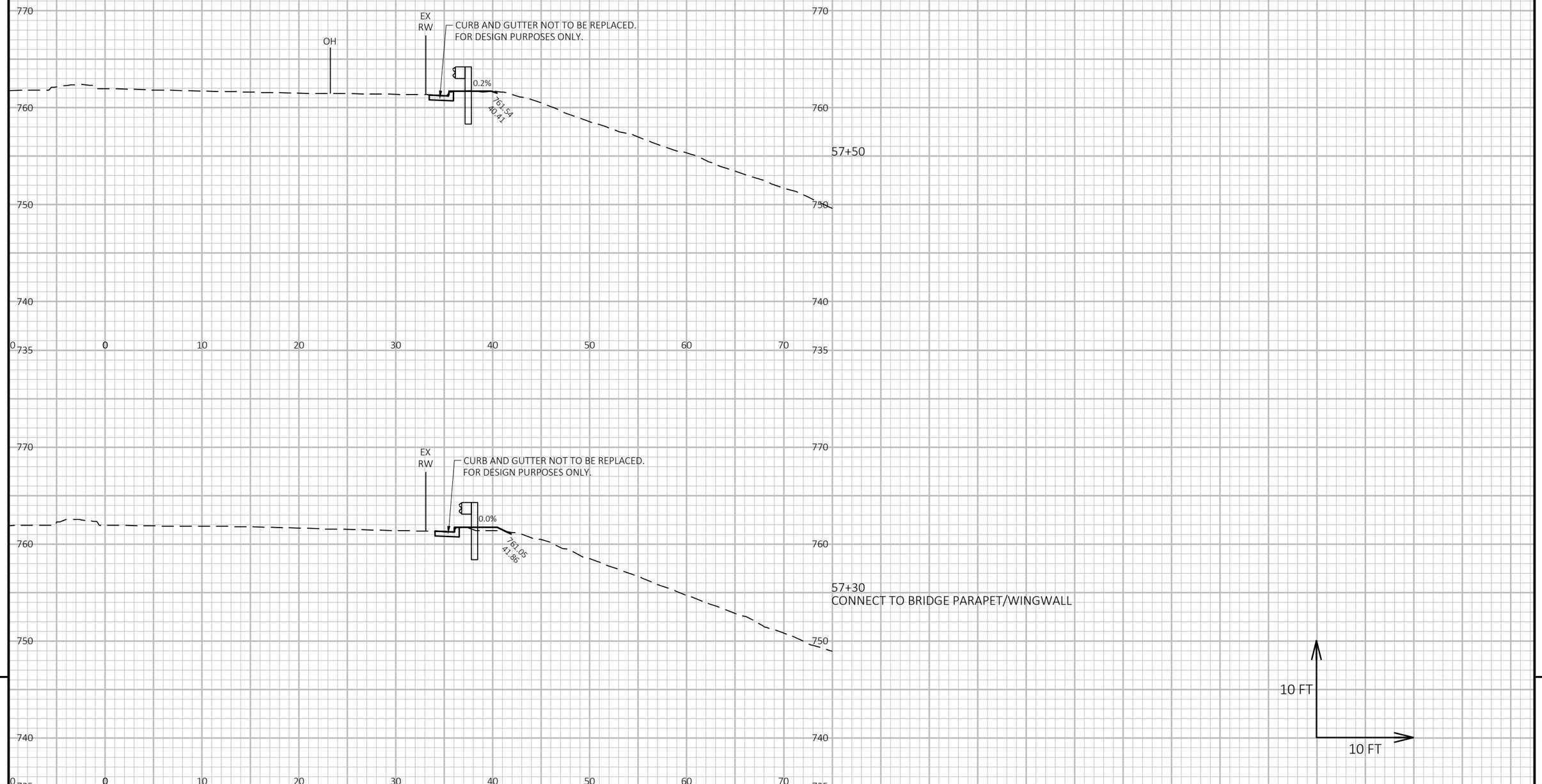
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LAYOUT NAME - 04

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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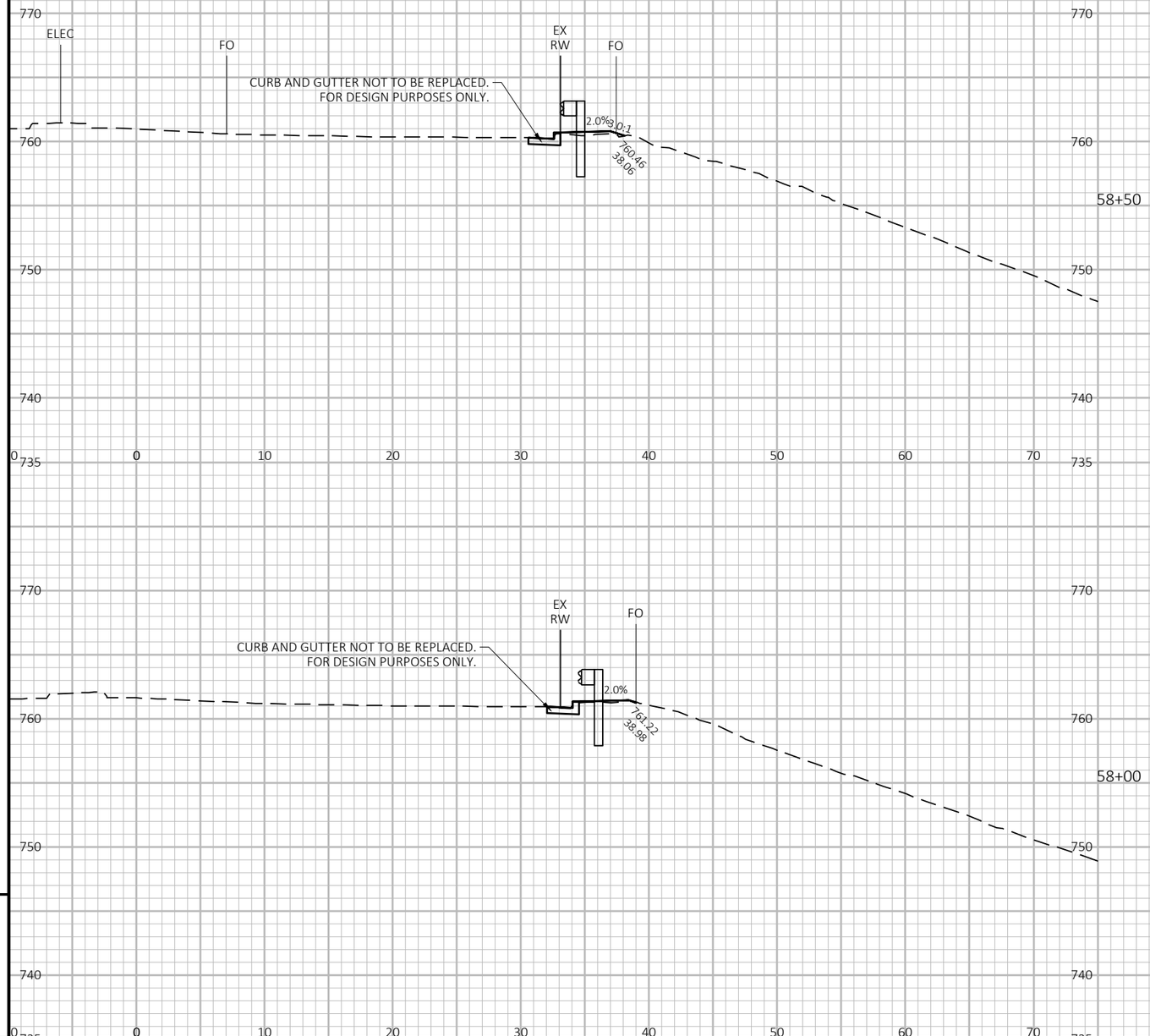
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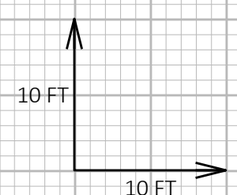
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LAYOUT NAME - 05

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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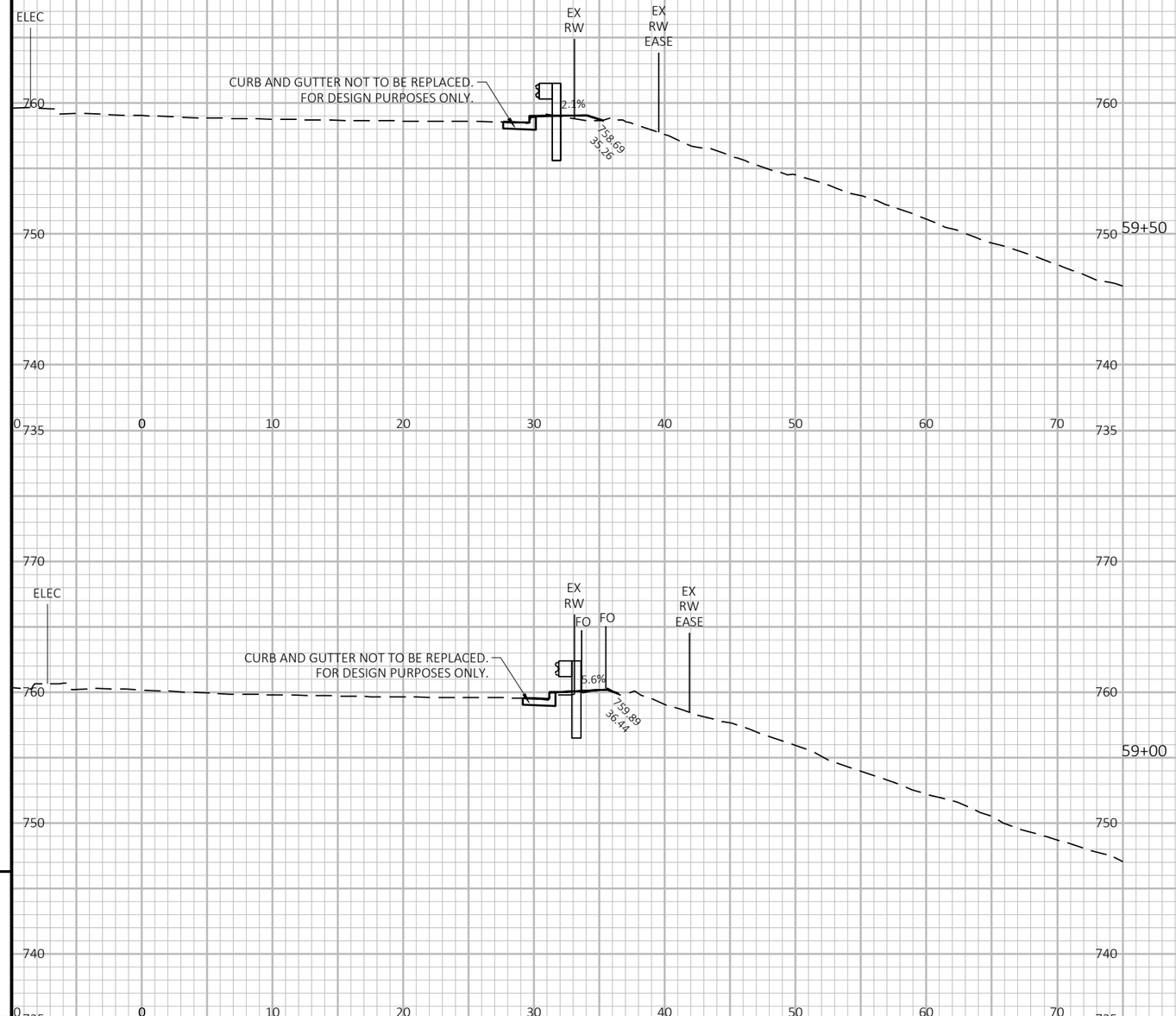
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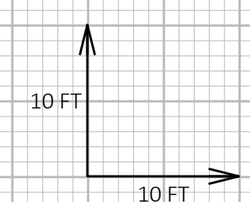
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FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090203-XS-STH181-GR.DWG
LAYOUT NAME - 06

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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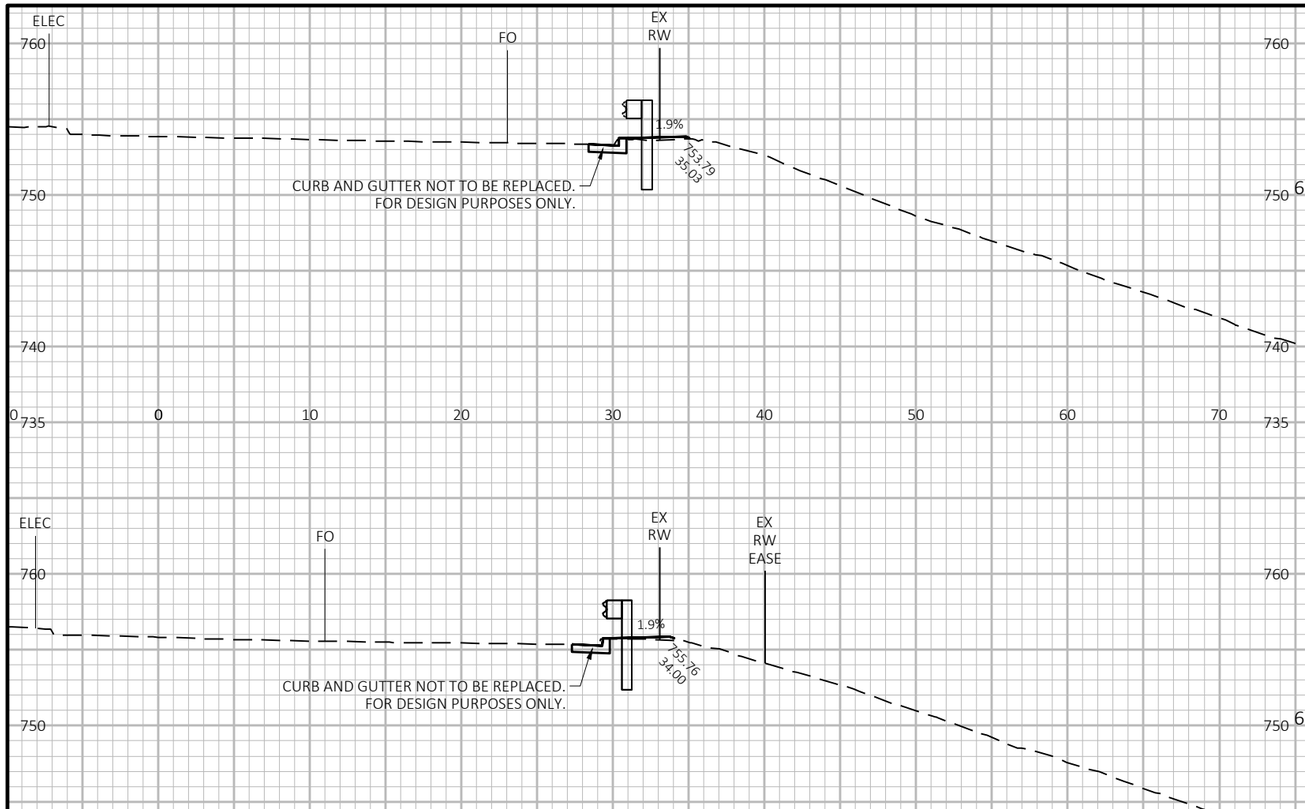
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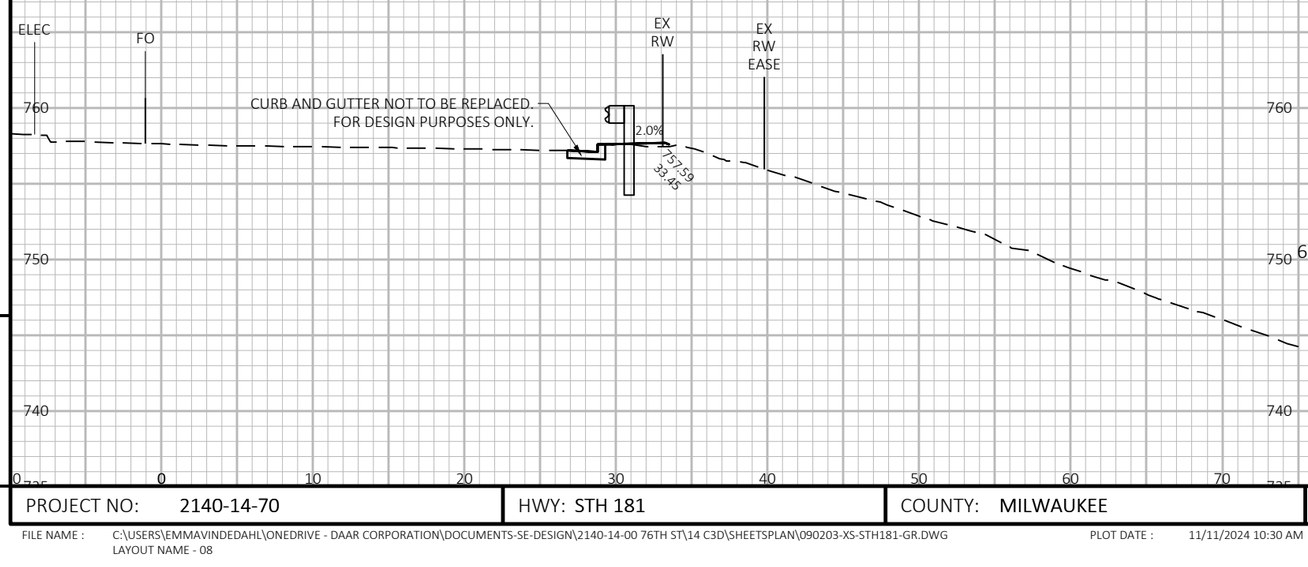
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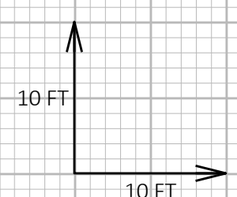
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LAYOUT NAME - 07

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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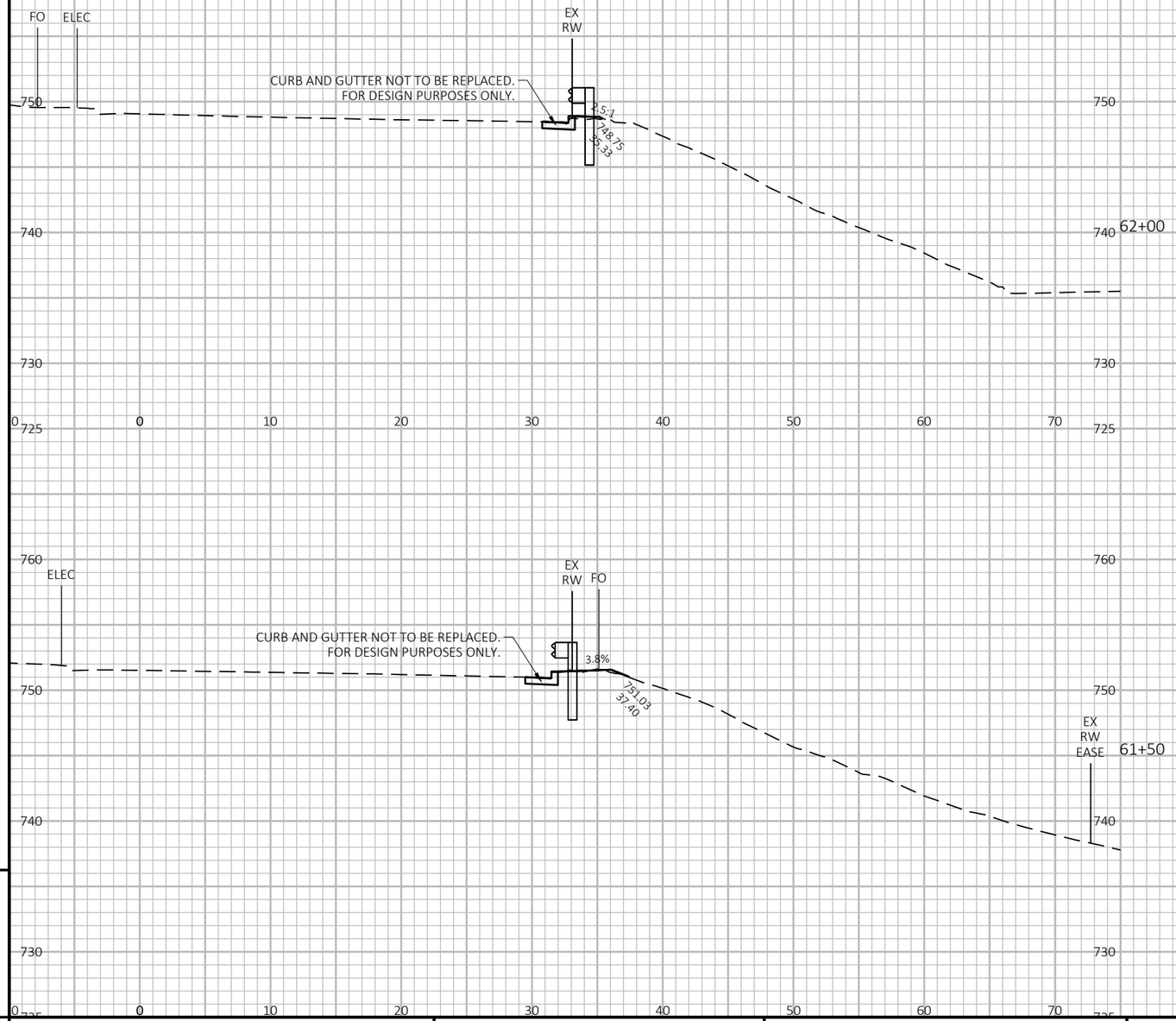
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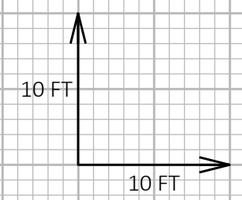
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FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090203-XS-STH181-GR.DWG
LAYOUT NAME - 08

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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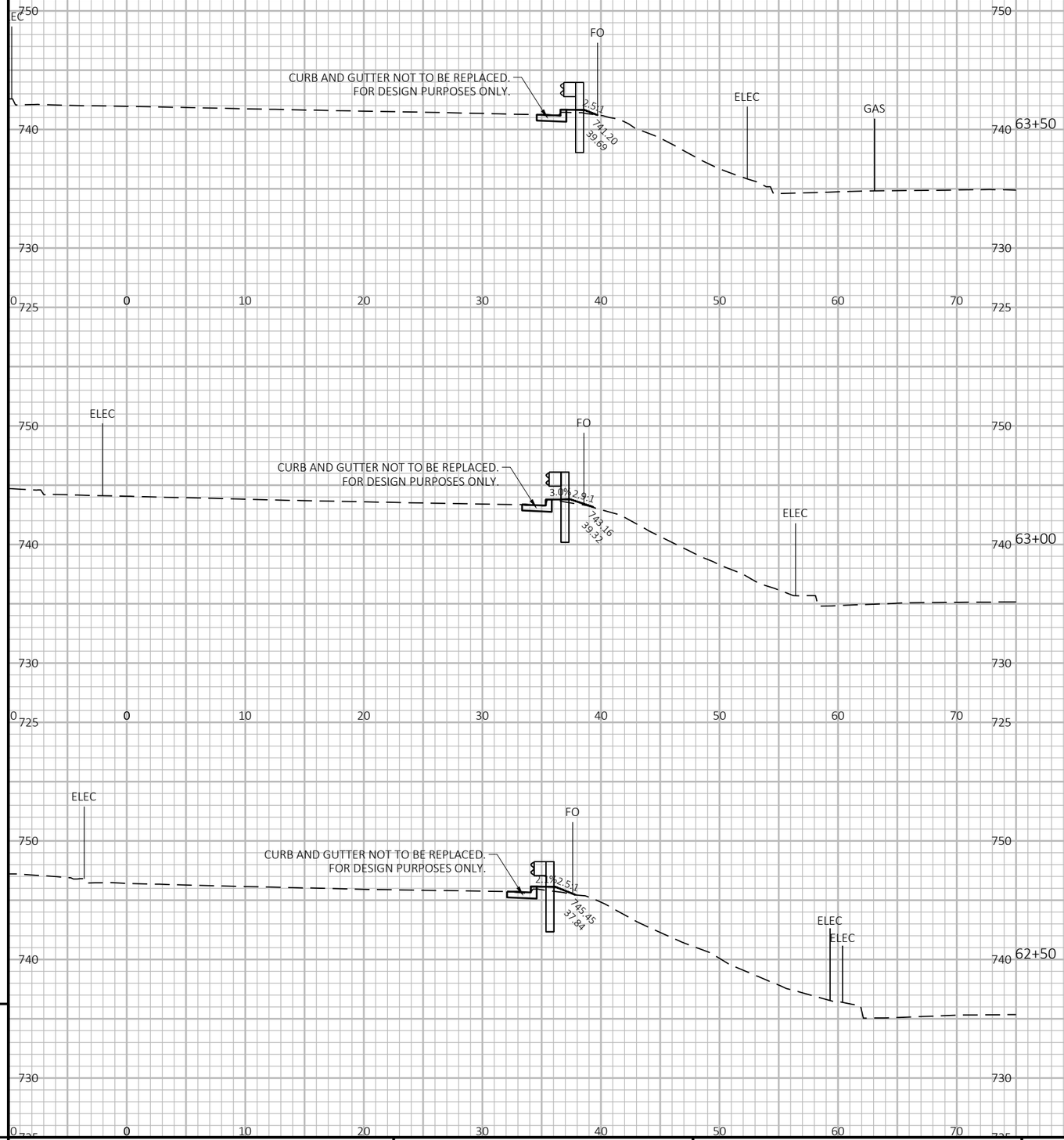
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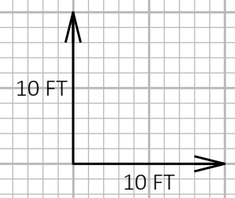
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - GUARDRAIL	SHEET 961	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090203-XS-STH181-GR.DWG
LAYOUT NAME - 09

PLOT DATE : 7/24/2025 9:26 PM PLOT BY : TONY BACIAK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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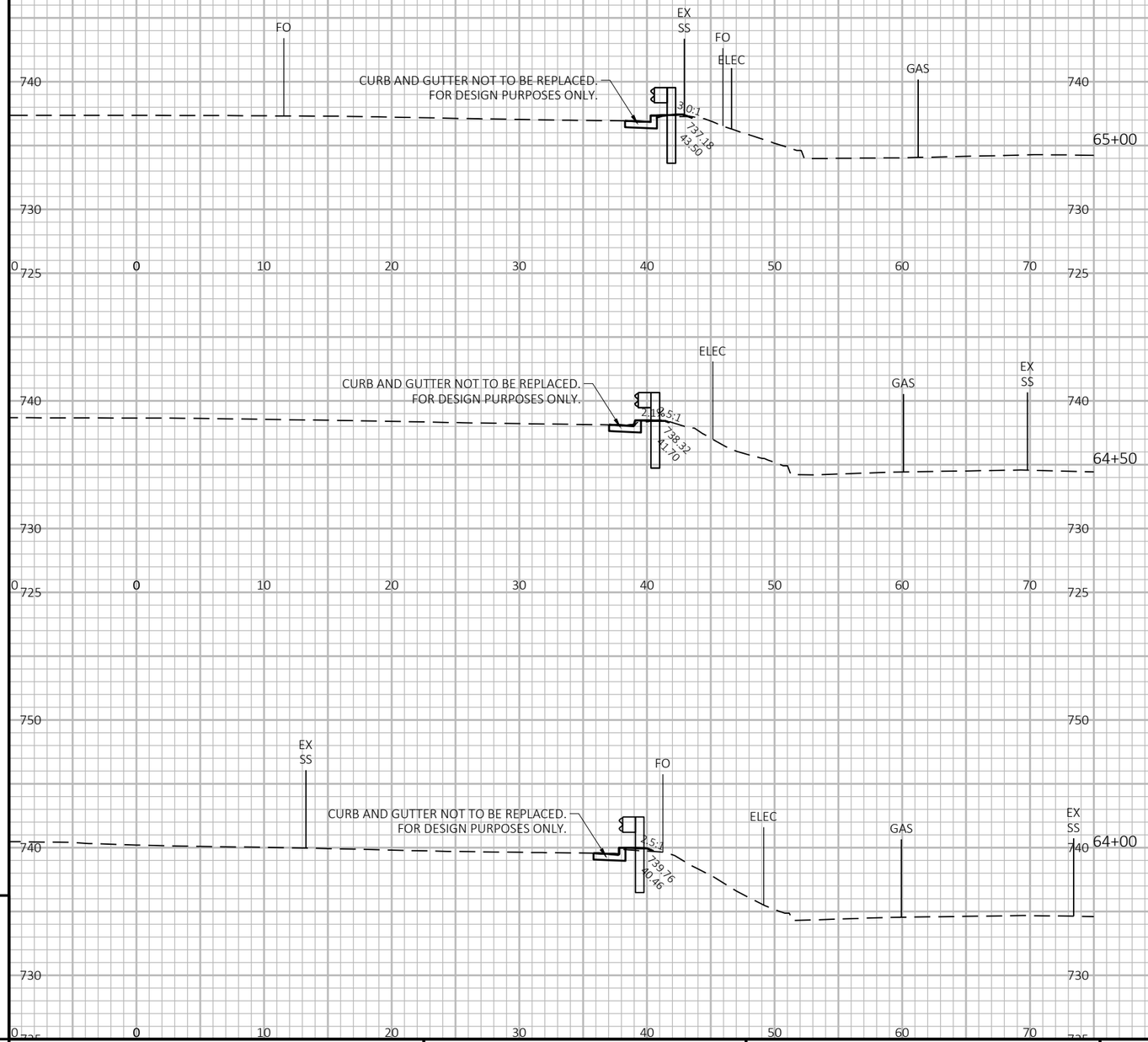
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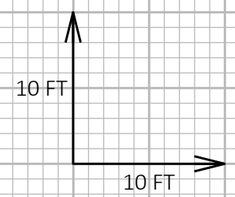
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FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090203-XS-STH181-GR.DWG
LAYOUT NAME - 10

PLOT DATE : 7/24/2025 9:26 PM PLOT BY : TONY BACIAK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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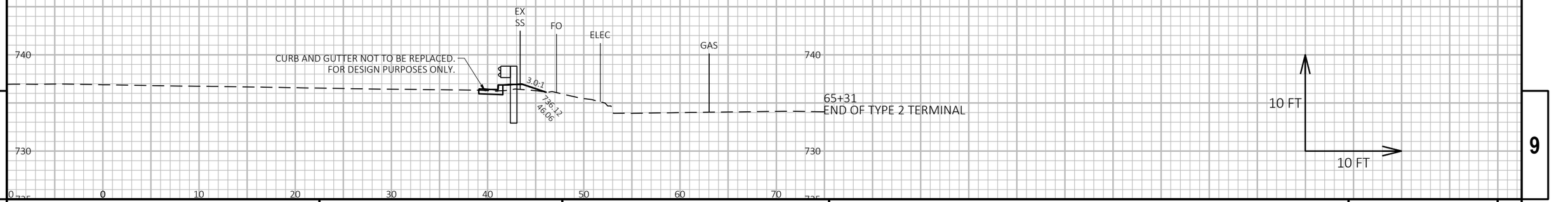
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - GUARDRAIL	SHEET 963	E

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LAYOUT NAME - 11

PLOT DATE : 7/24/2025 9:26 PM PLOT BY : TONY BACIAK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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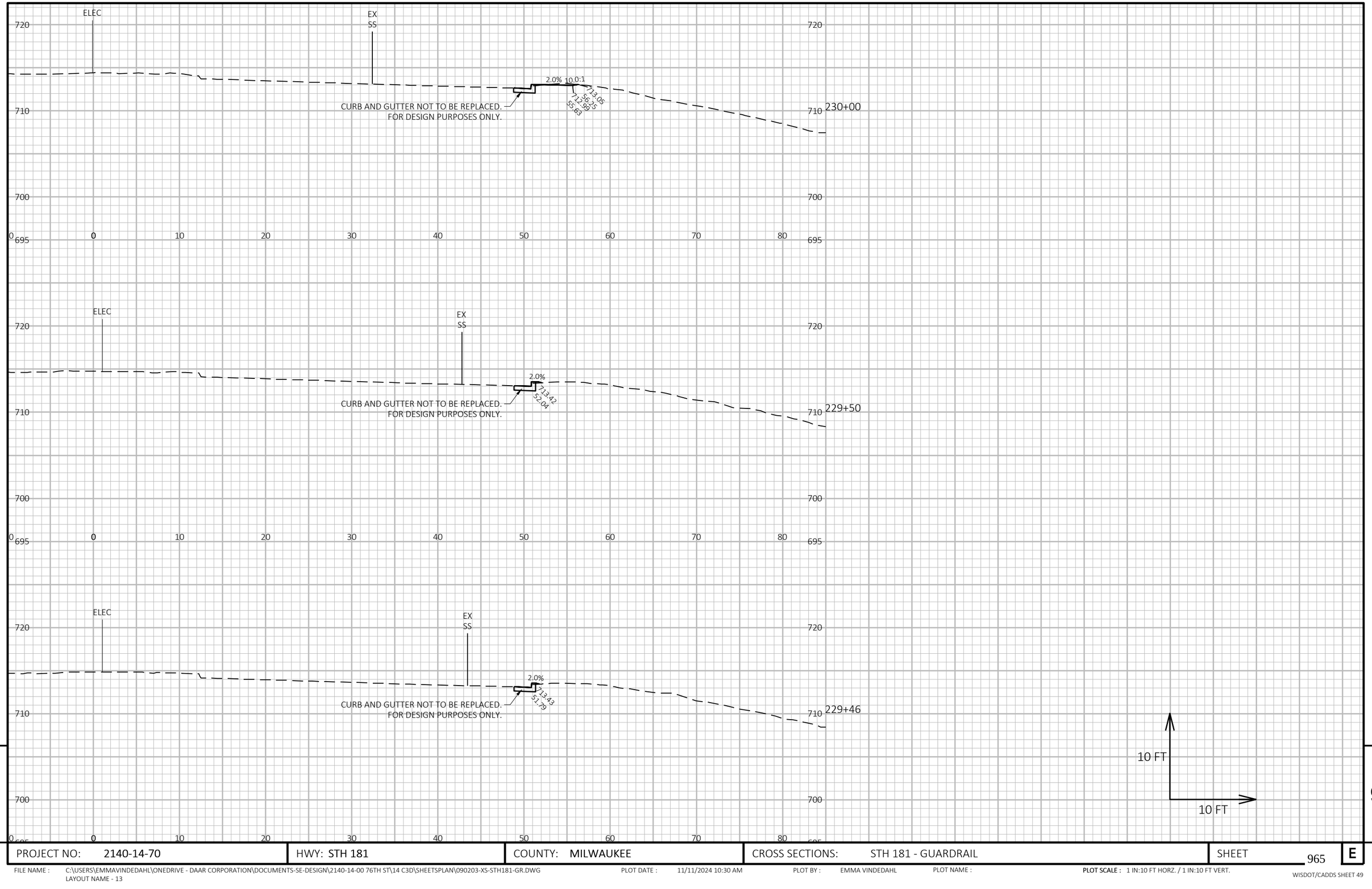
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - GUARDRAIL	SHEET 964	E

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LAYOUT NAME - 12

PLOT DATE : 7/24/2025 9:27 PM PLOT BY : TONY BACIAK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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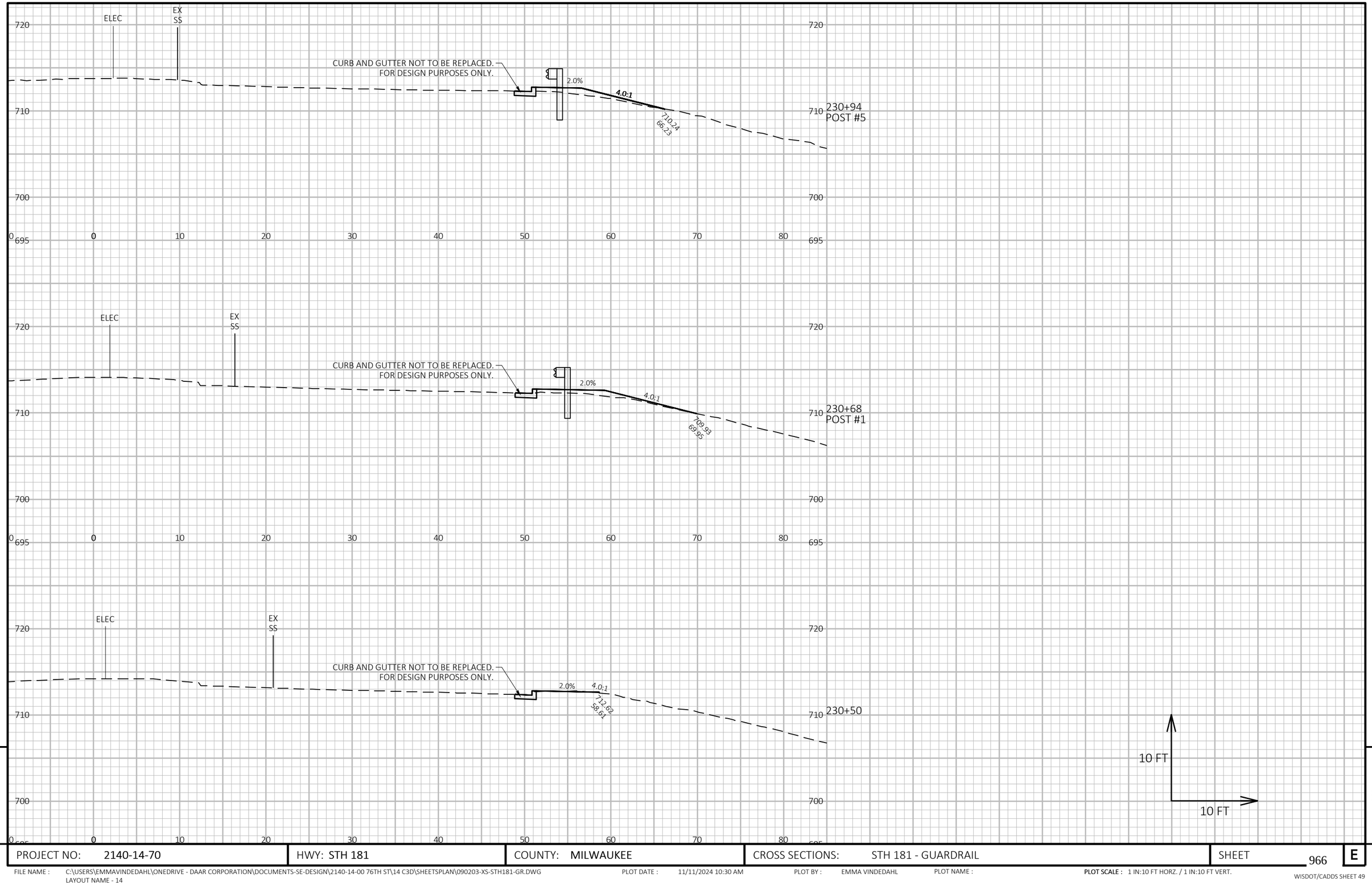
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - GUARDRAIL	SHEET 965	E

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LAYOUT NAME - 13

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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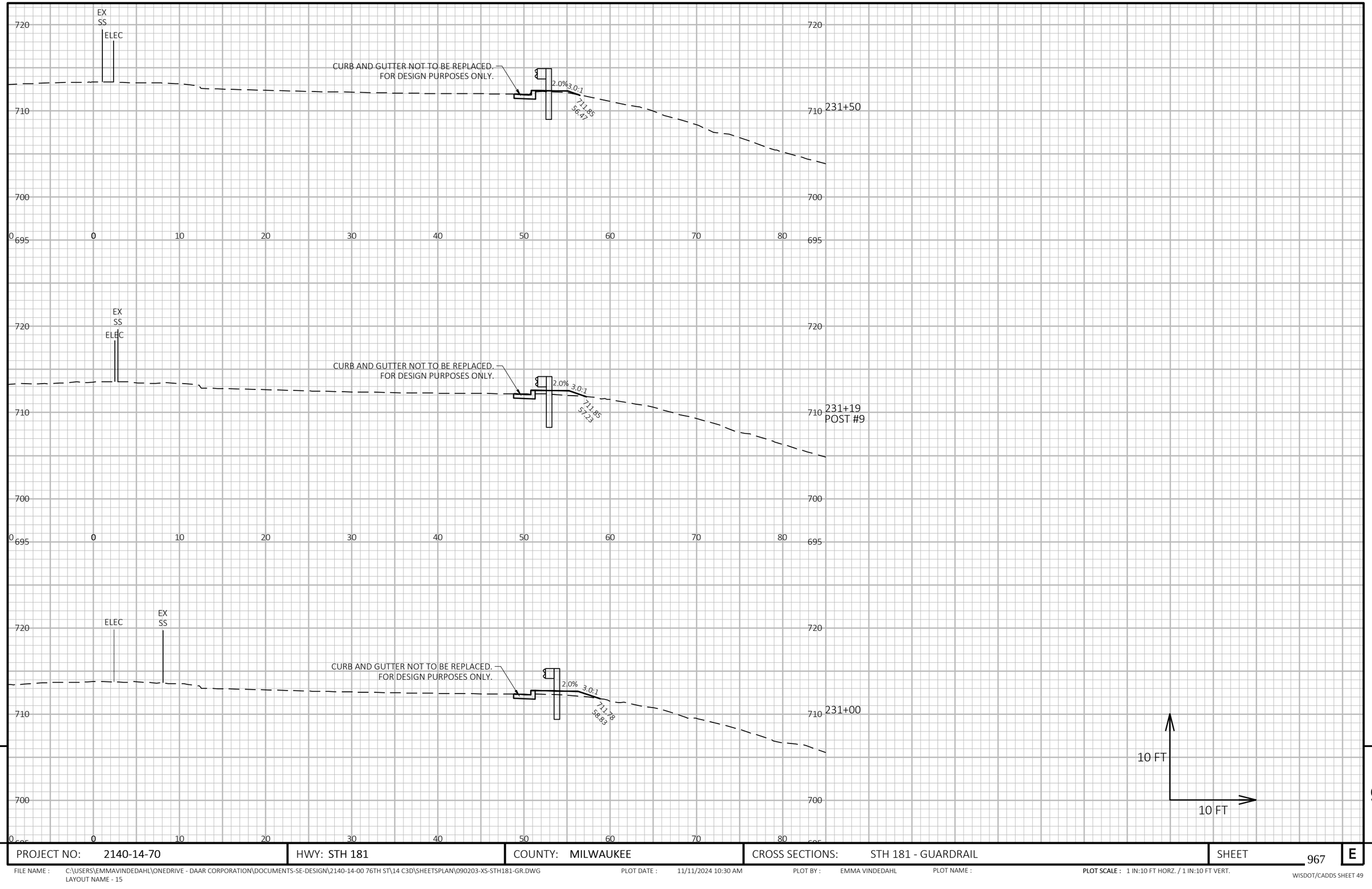
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LAYOUT NAME - 14

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - GUARDRAIL	SHEET 967	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090203-XS-STH181-GR.DWG
LAYOUT NAME - 15

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

720

710

700

695

0 10 20 30 40 50 60 70 80

CURB AND GUTTER NOT TO BE REPLACED.
FOR DESIGN PURPOSES ONLY.

2.0%

2.5:1

709.10
61.45

720

710 232+12
CONNECT TO BRIDGE PARAPET/WINGWALL

700

695

720

EX
SS
ELEC

710

CURB AND GUTTER NOT TO BE REPLACED.
FOR DESIGN PURPOSES ONLY.

2.0%

3.0:1

710.85
57.74

710 232+00

700

0 10 20 30 40 50 60 70 80

10 FT

10 FT

9

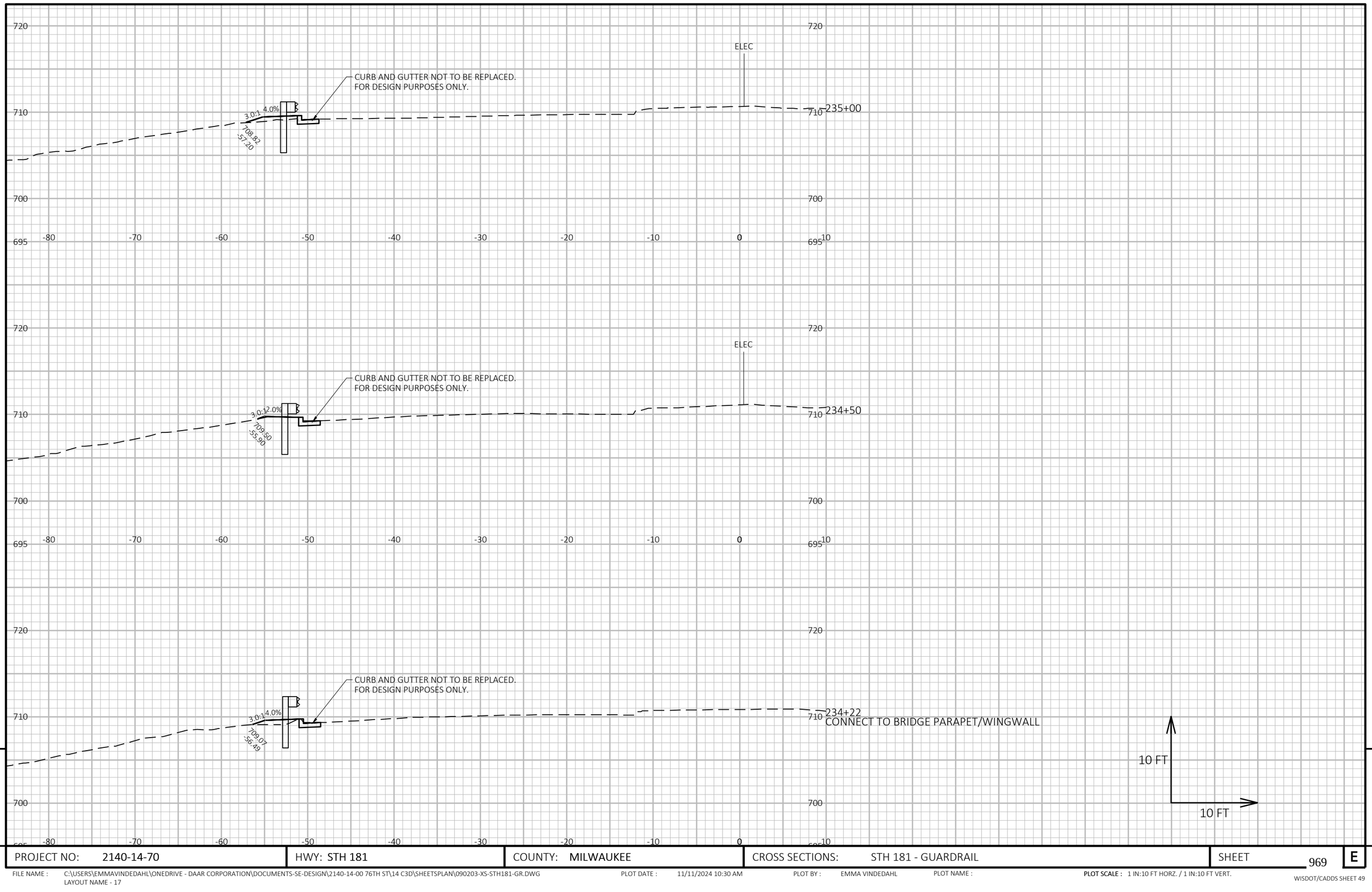
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - GUARDRAIL	SHEET 968	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090203-XS-STH181-GR.DWG
LAYOUT NAME - 16

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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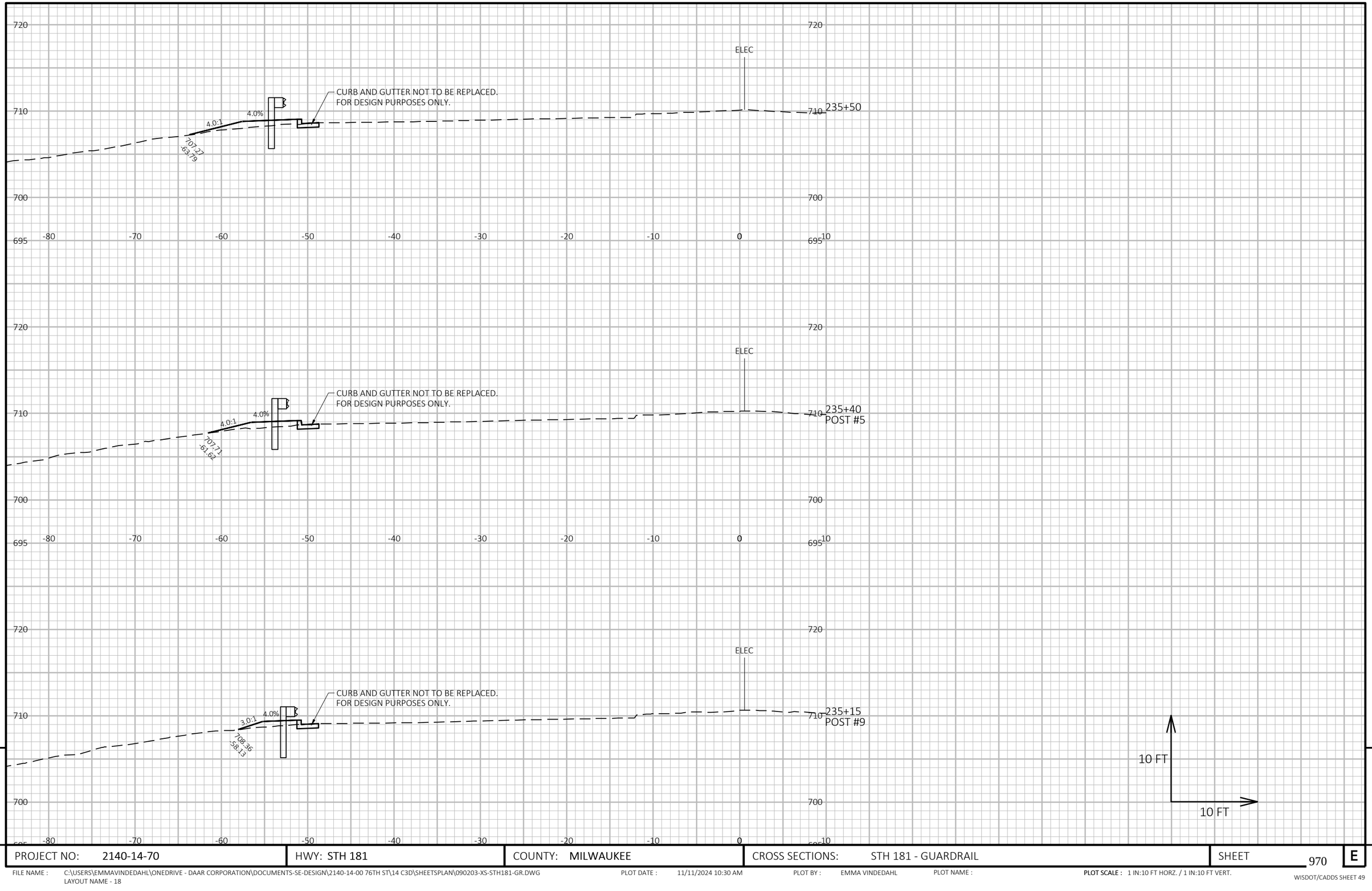
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LAYOUT NAME - 17

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

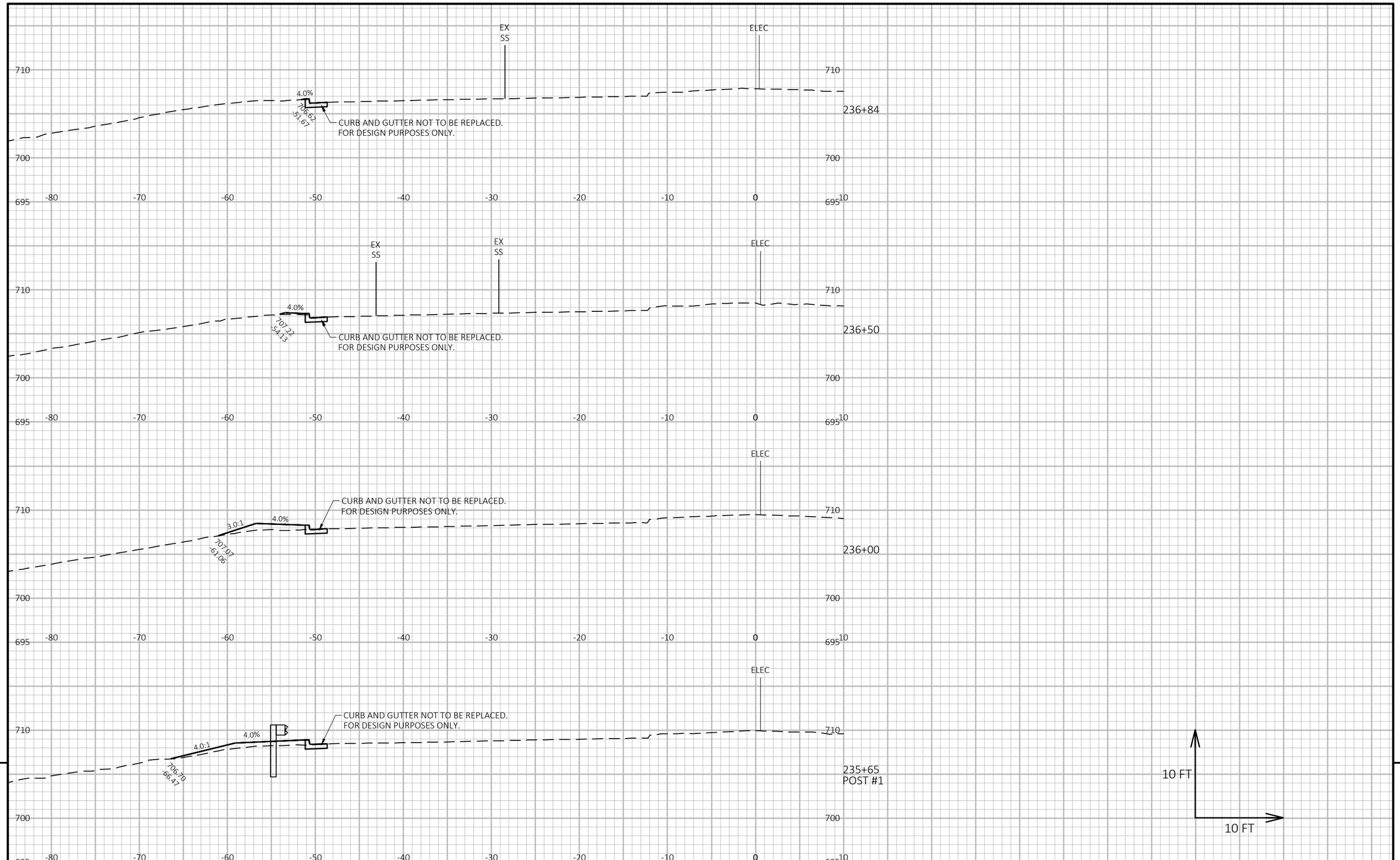


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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - GUARDRAIL	SHEET 970	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090203-XS-STH181-GR.DWG
LAYOUT NAME - 18
PLOT DATE : 11/11/2024 10:30 AM
PLOT BY : EMMA VINDEDAHL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

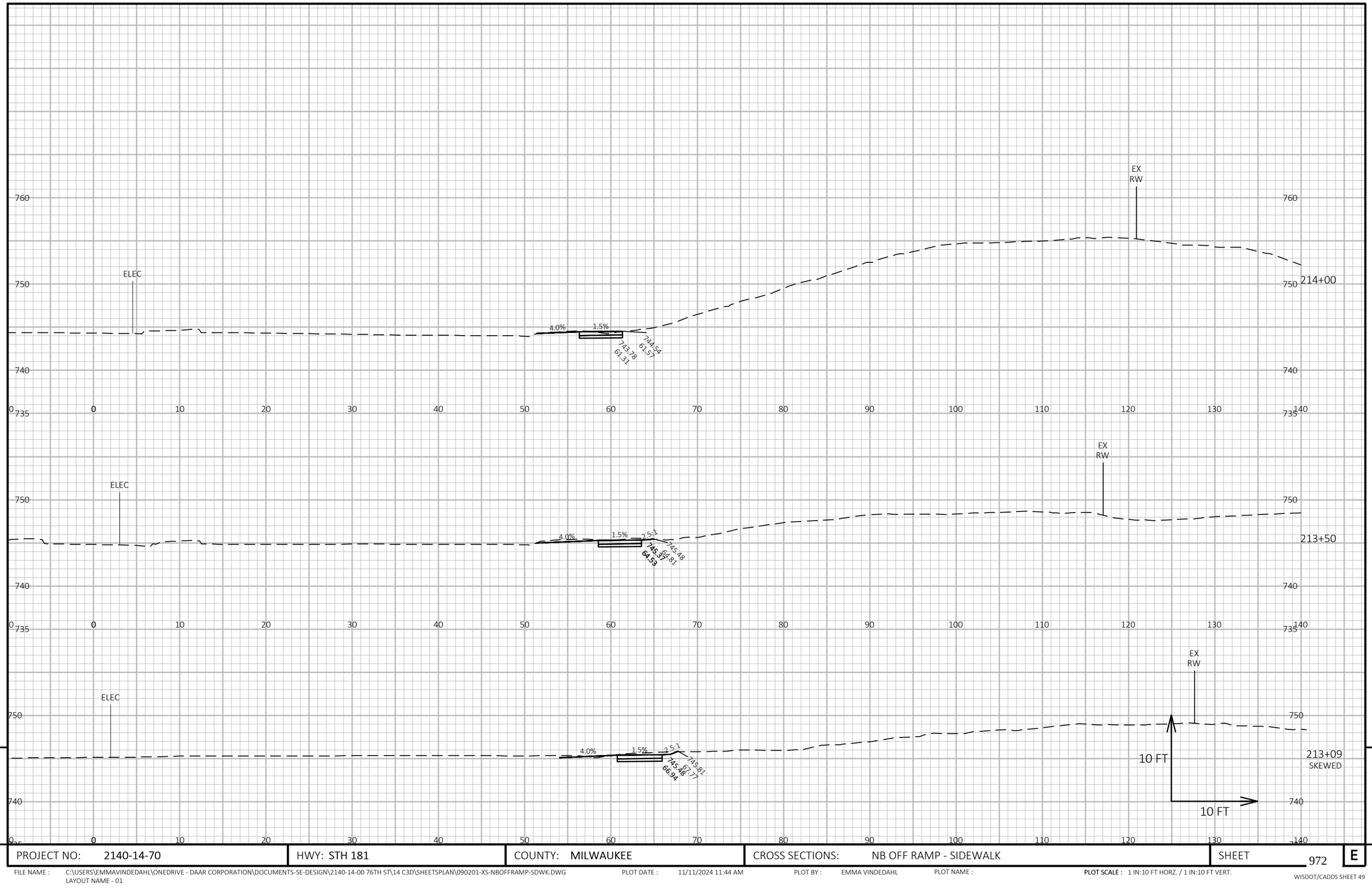
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - GUARDRAIL	SHEET 971	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090203-XS-STH181-GR.DWG
LAYOUT NAME - 19

PLOT DATE : 11/11/2024 10:30 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 972	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 01

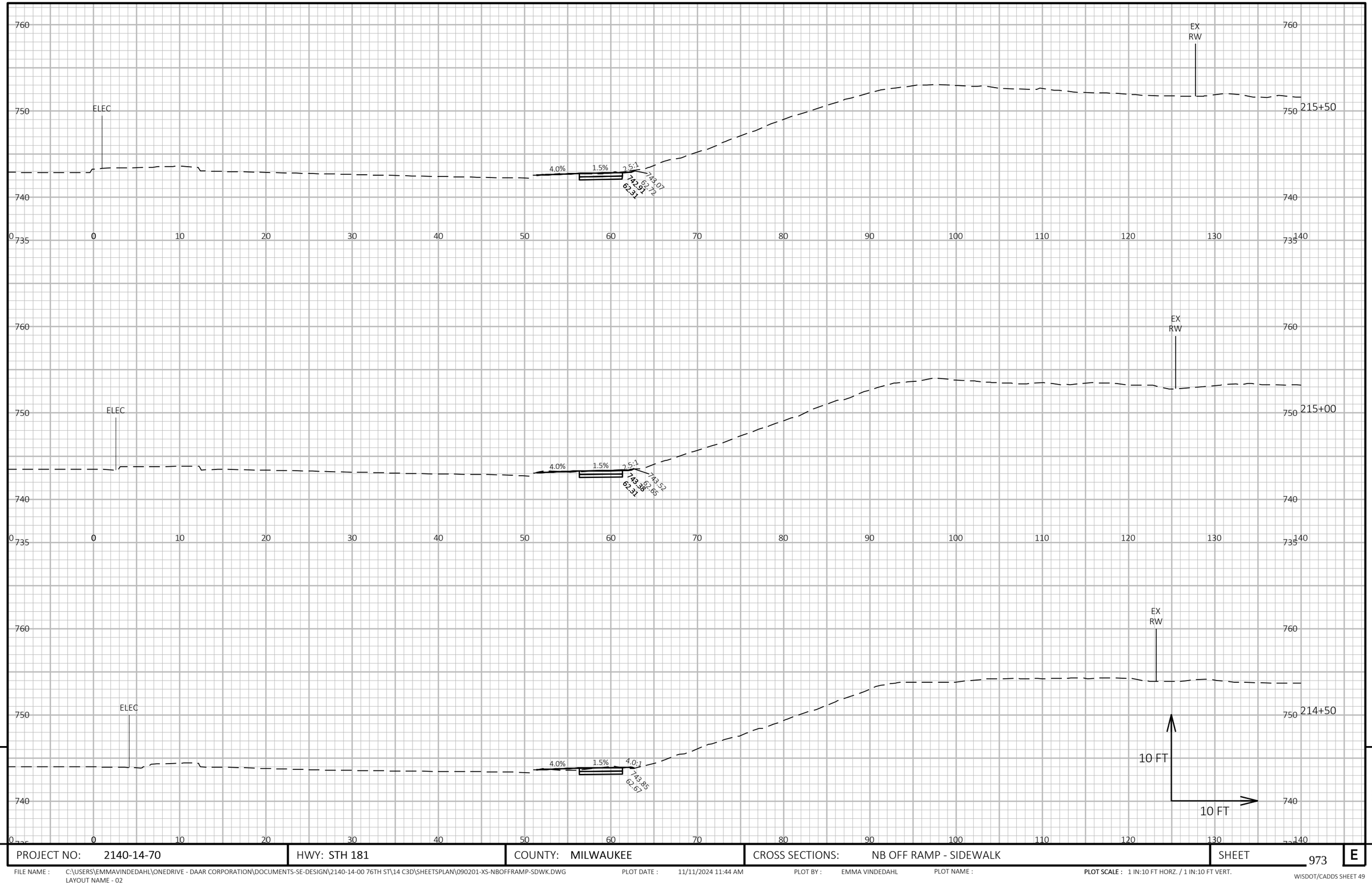
PLOT DATE : 11/11/2024 11:44 AM

PLOT BY : EMMA VINDEDAHL

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: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 973	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 02

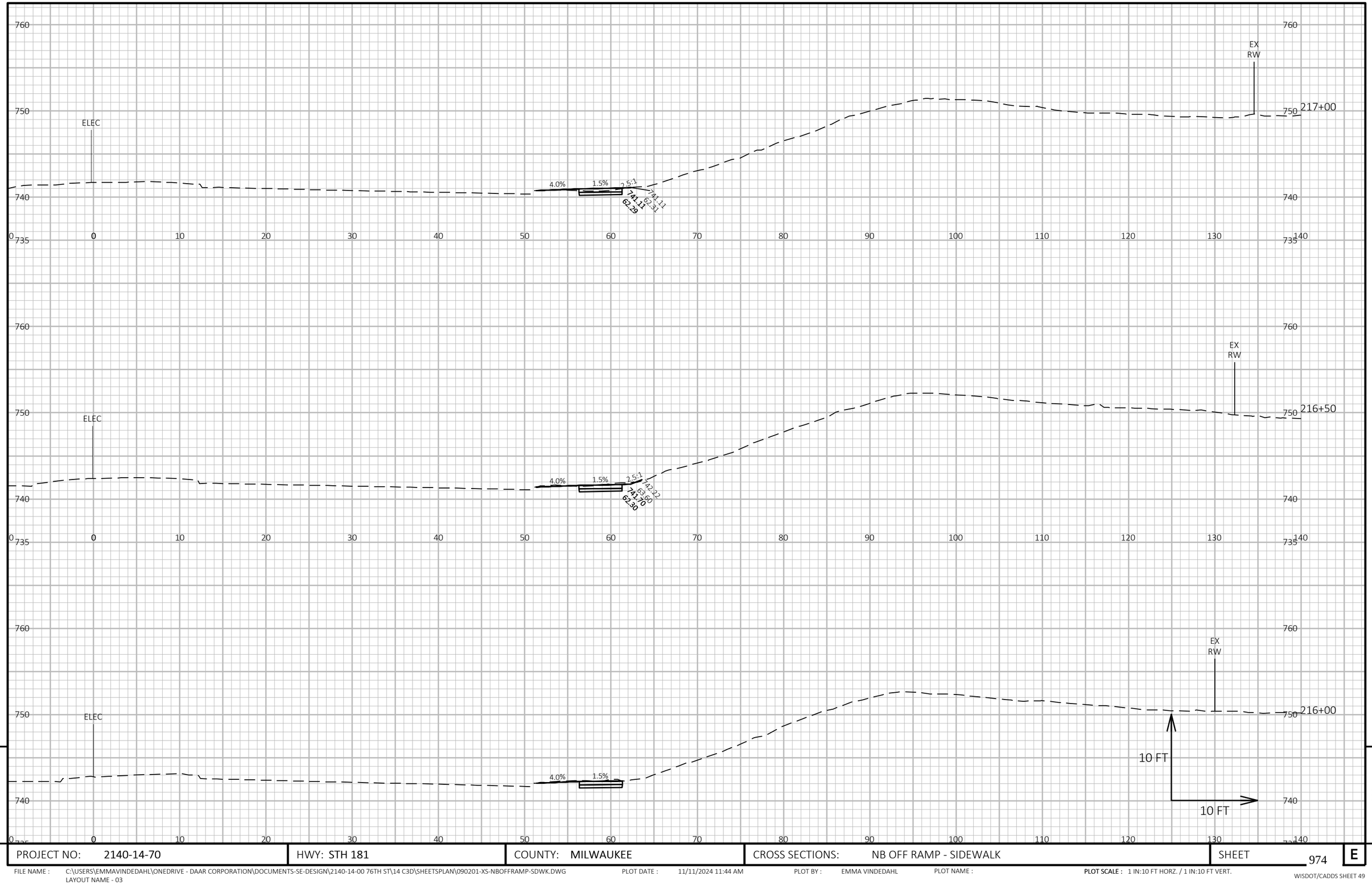
PLOT DATE : 11/11/2024 11:44 AM

PLOT BY : EMMA VINDEDAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



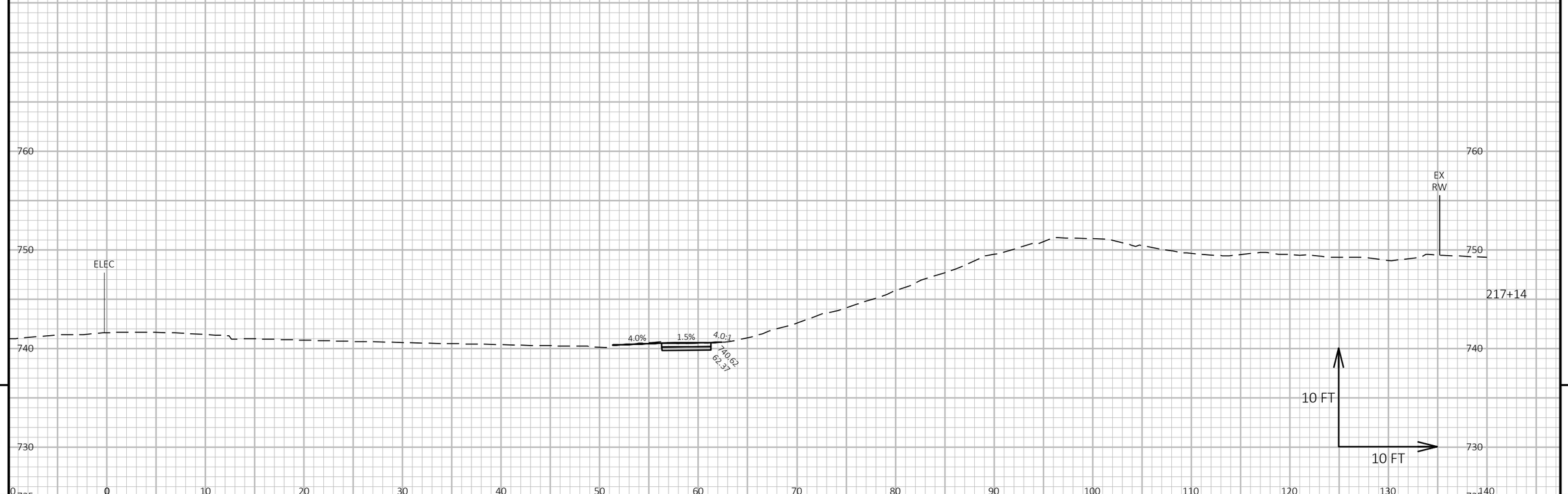
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 974	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 03

PLOT DATE : 11/11/2024 11:44 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 975	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 04

PLOT DATE : 11/11/2024 11:44 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

760
750
740
730
725
0 10 20 30 40 50 60 70 80 90 100

EX
RW

4.0%
1.5%

217+50

760
750
740
730
725
0 10 20 30 40 50 60 70 80 90 100

EX
RW

4.1%
1.7%
4.1:1
740.62
16.47

217+15

10 FT
10 FT

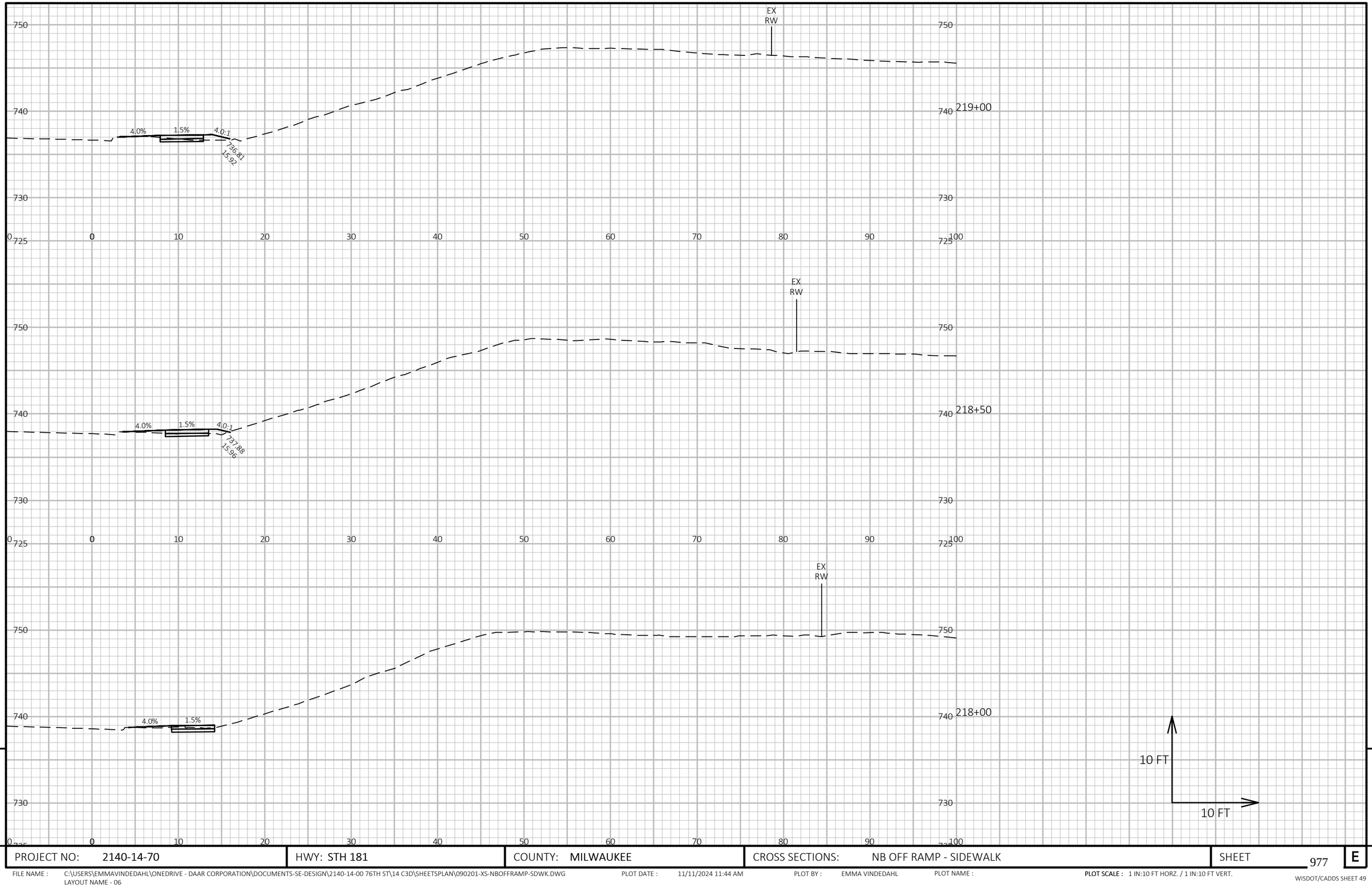
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 976	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 05

PLOT DATE : 11/11/2024 11:44 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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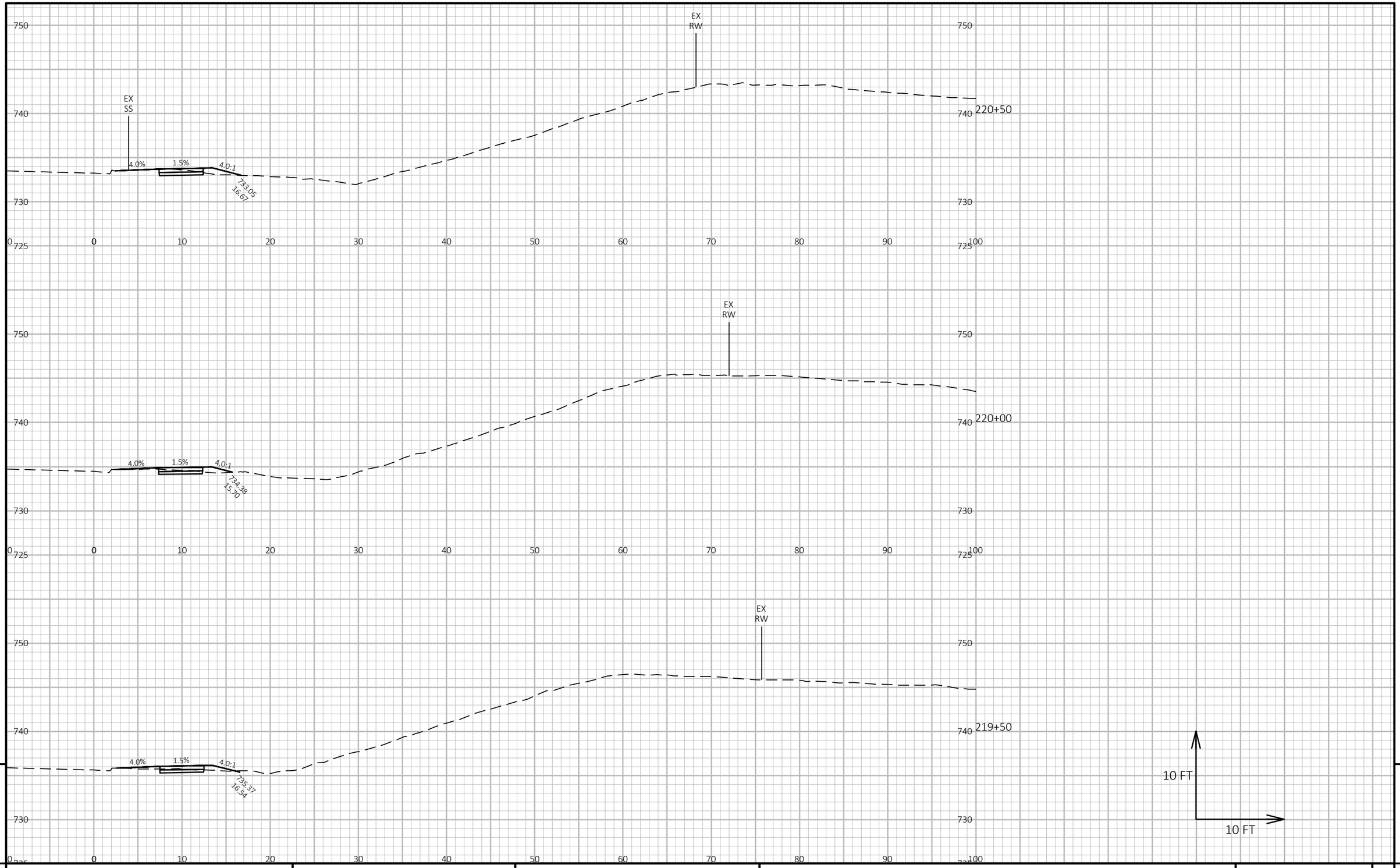
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 977	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 06

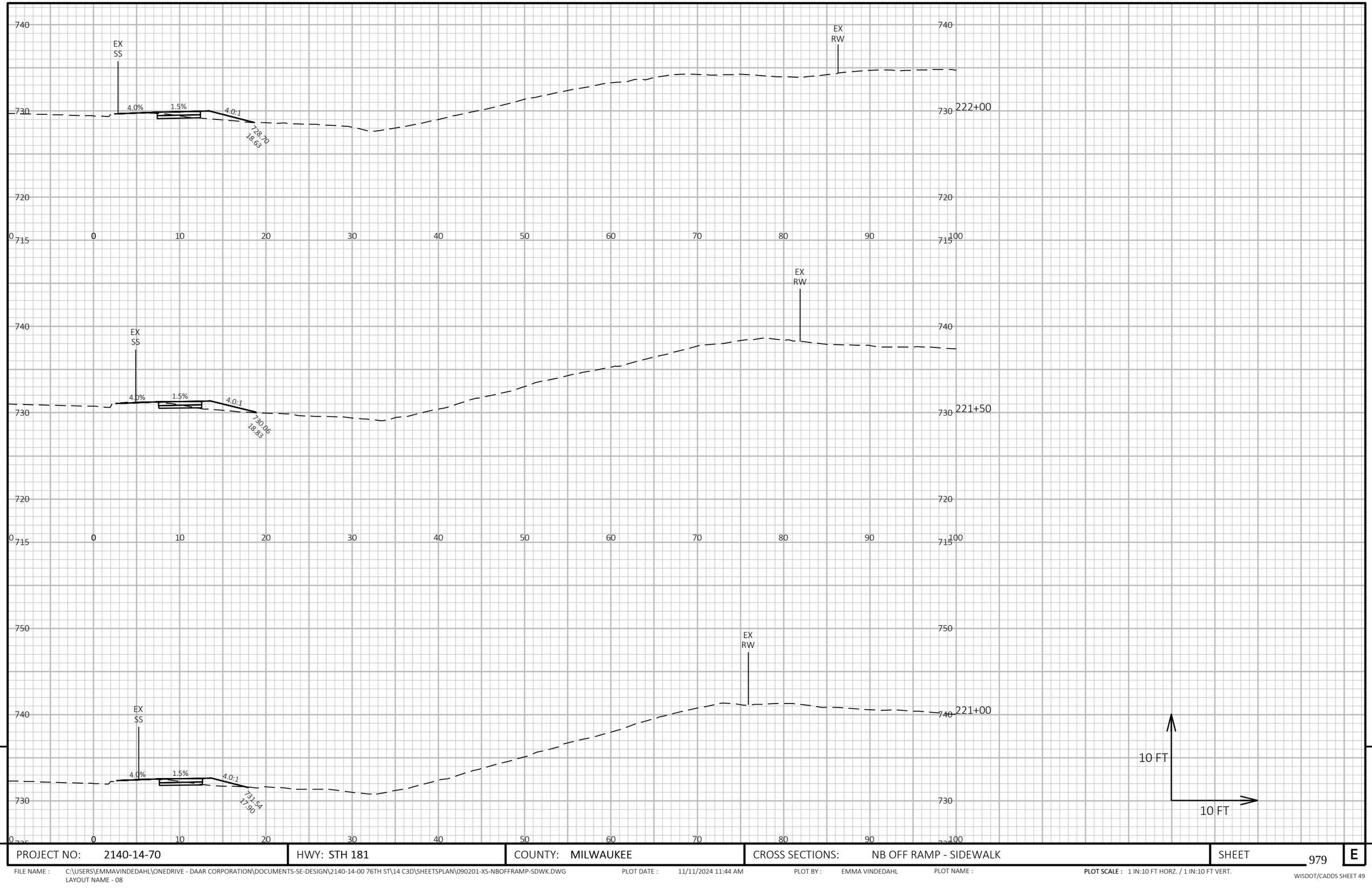
PLOT DATE : 11/11/2024 11:44 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 978 E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 07
PLOT DATE : 11/11/2024 11:44 AM
PLOT BY : EMMA VINDEDAHL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



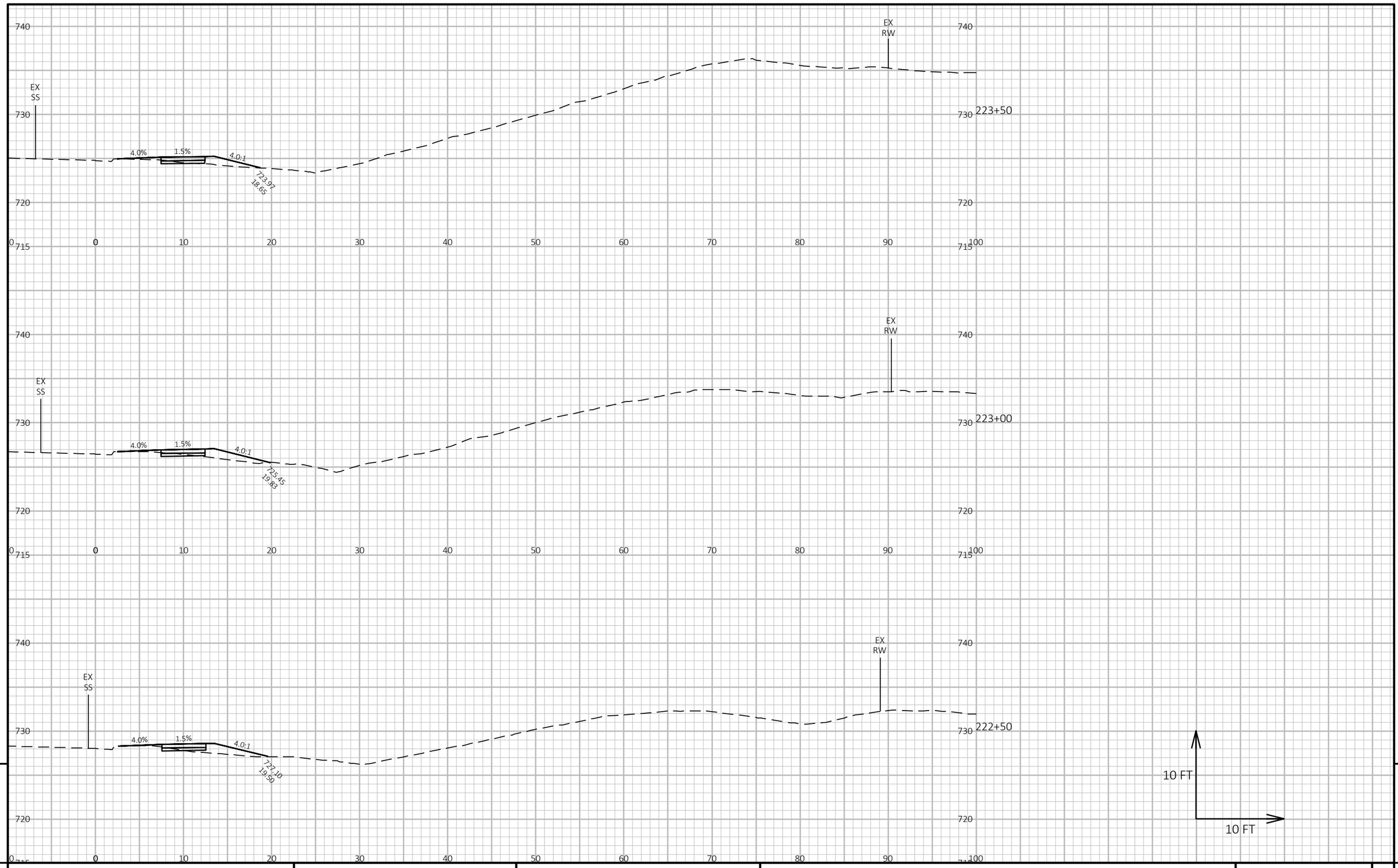
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 979	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 08

PLOT DATE : 11/11/2024 11:44 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



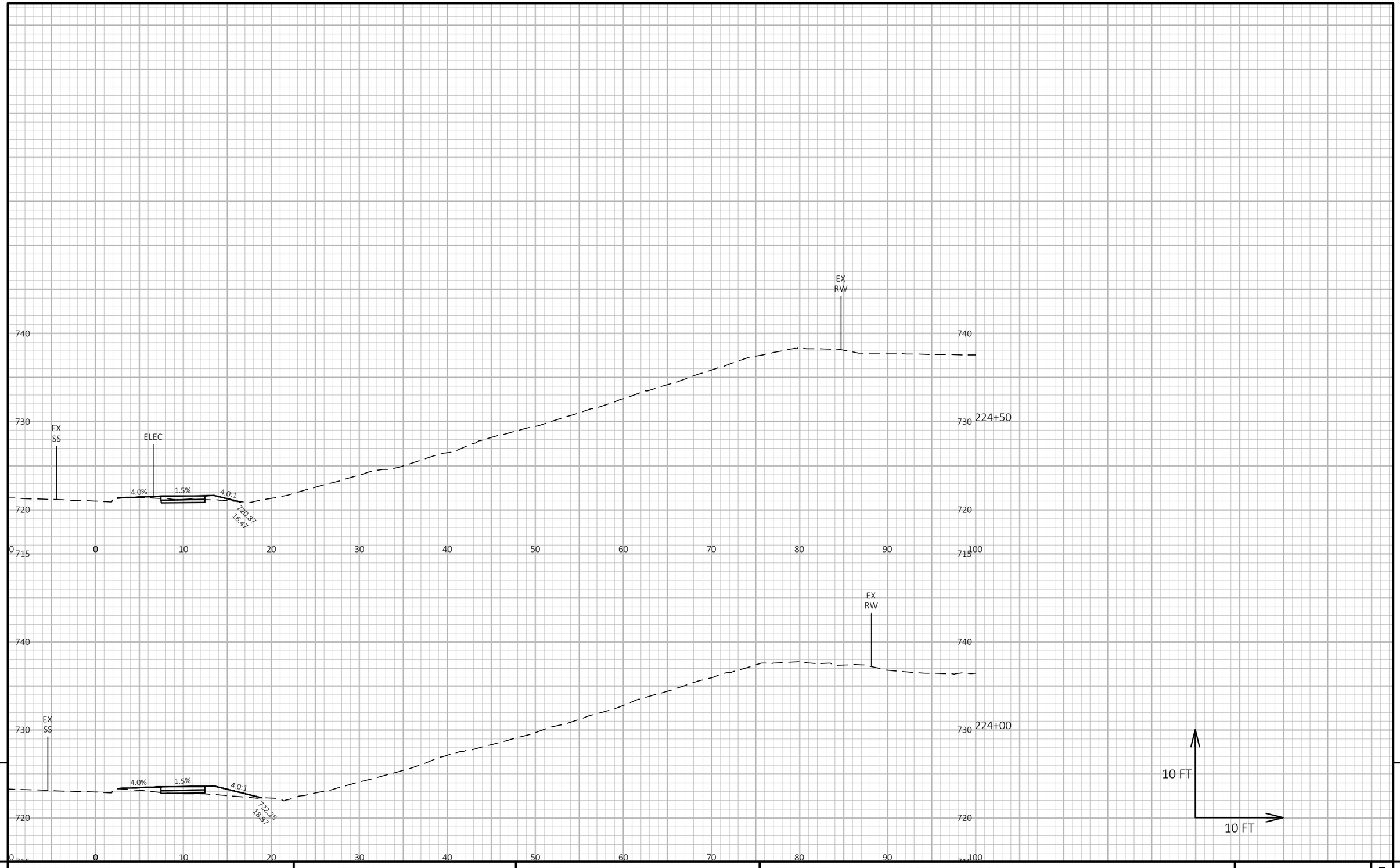
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 980	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 09

PLOT DATE : 11/11/2024 11:44 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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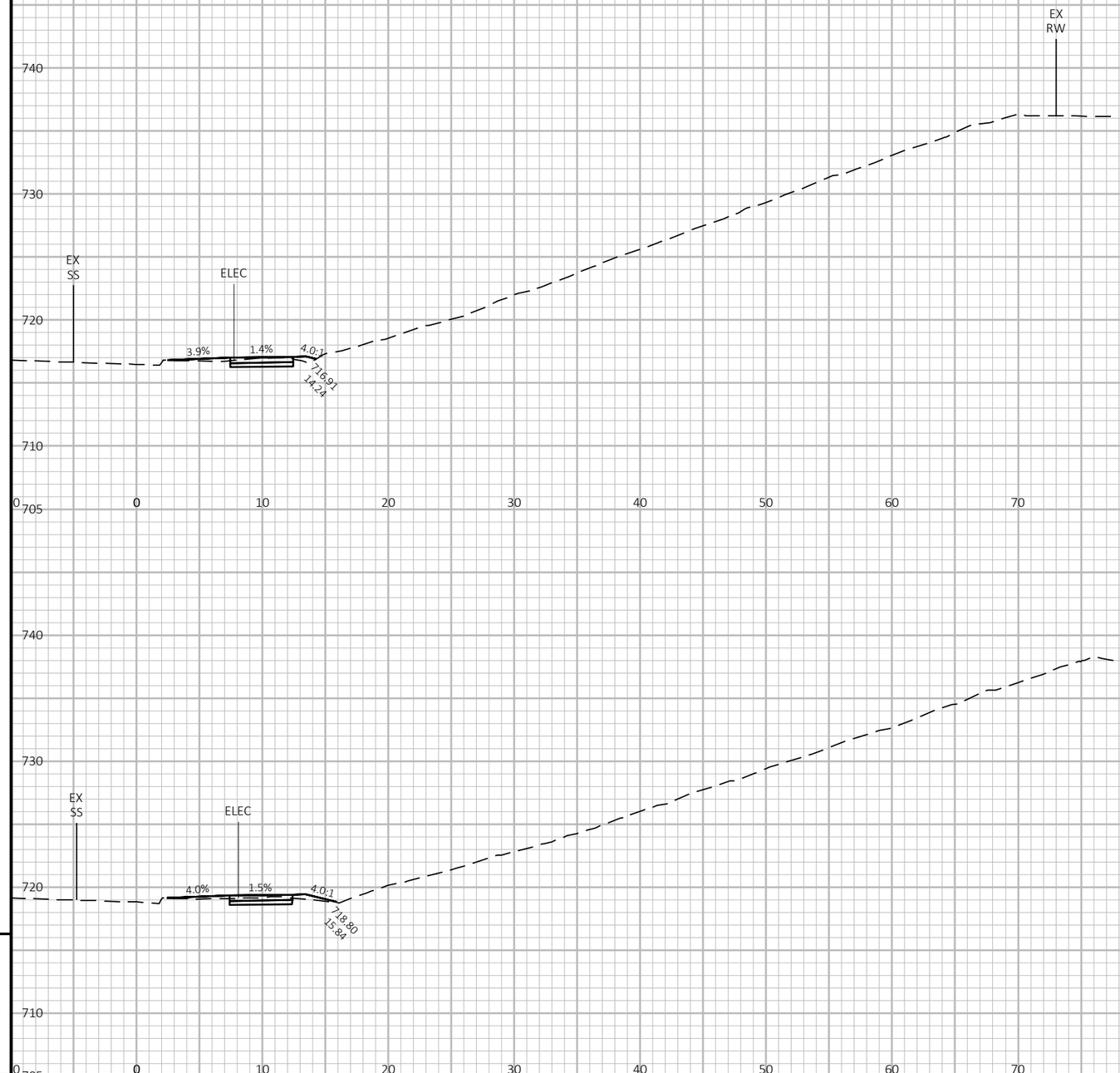
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 981	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 10

PLOT DATE : 11/11/2024 11:44 AM PLOT BY : EMMA VINDEDAHL PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 982	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 11

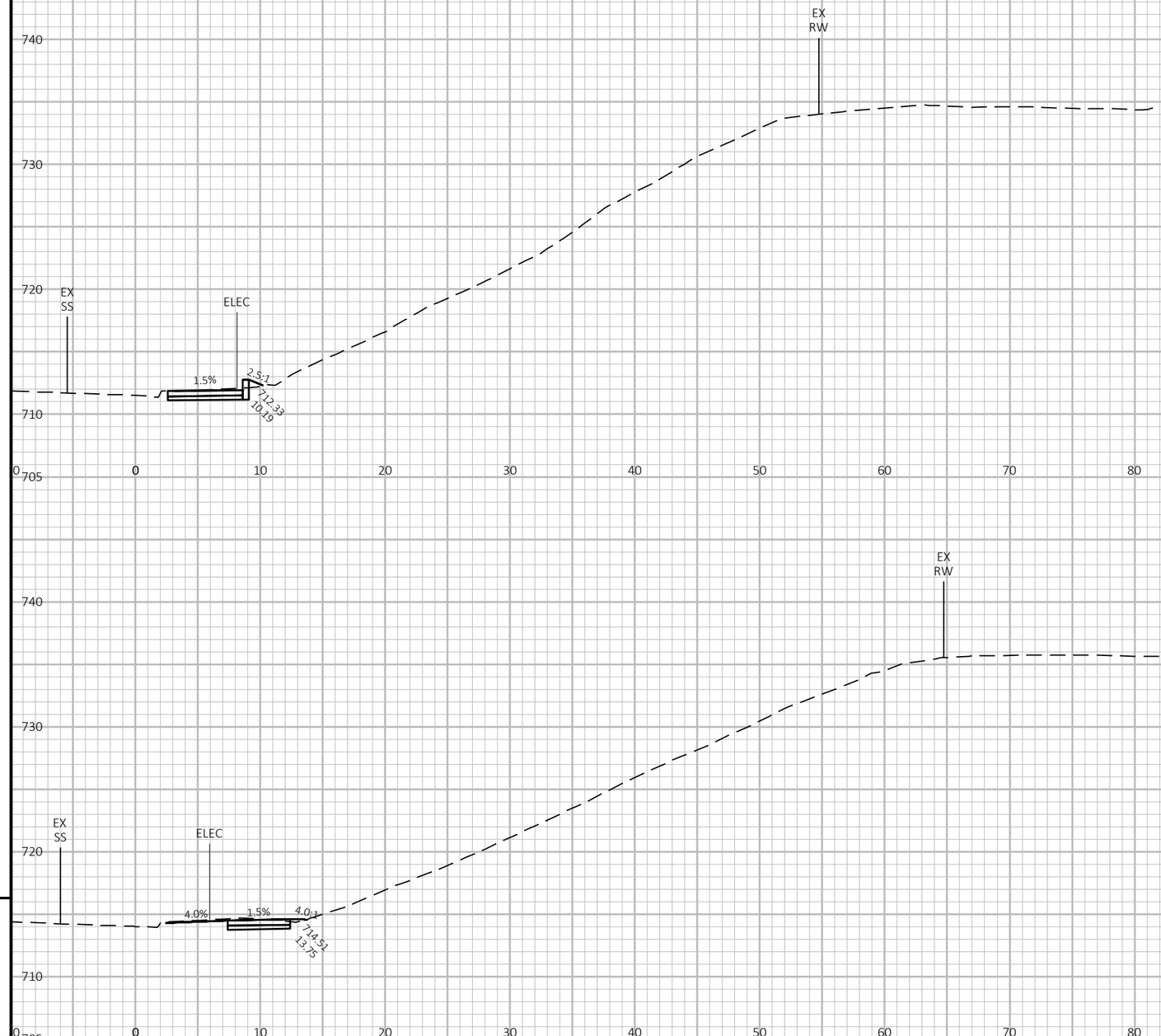
PLOT DATE : 11/11/2024 11:44 AM

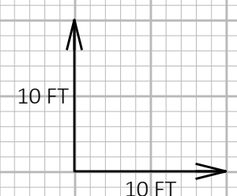
PLOT BY : EMMA VINDEDAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 983	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 12

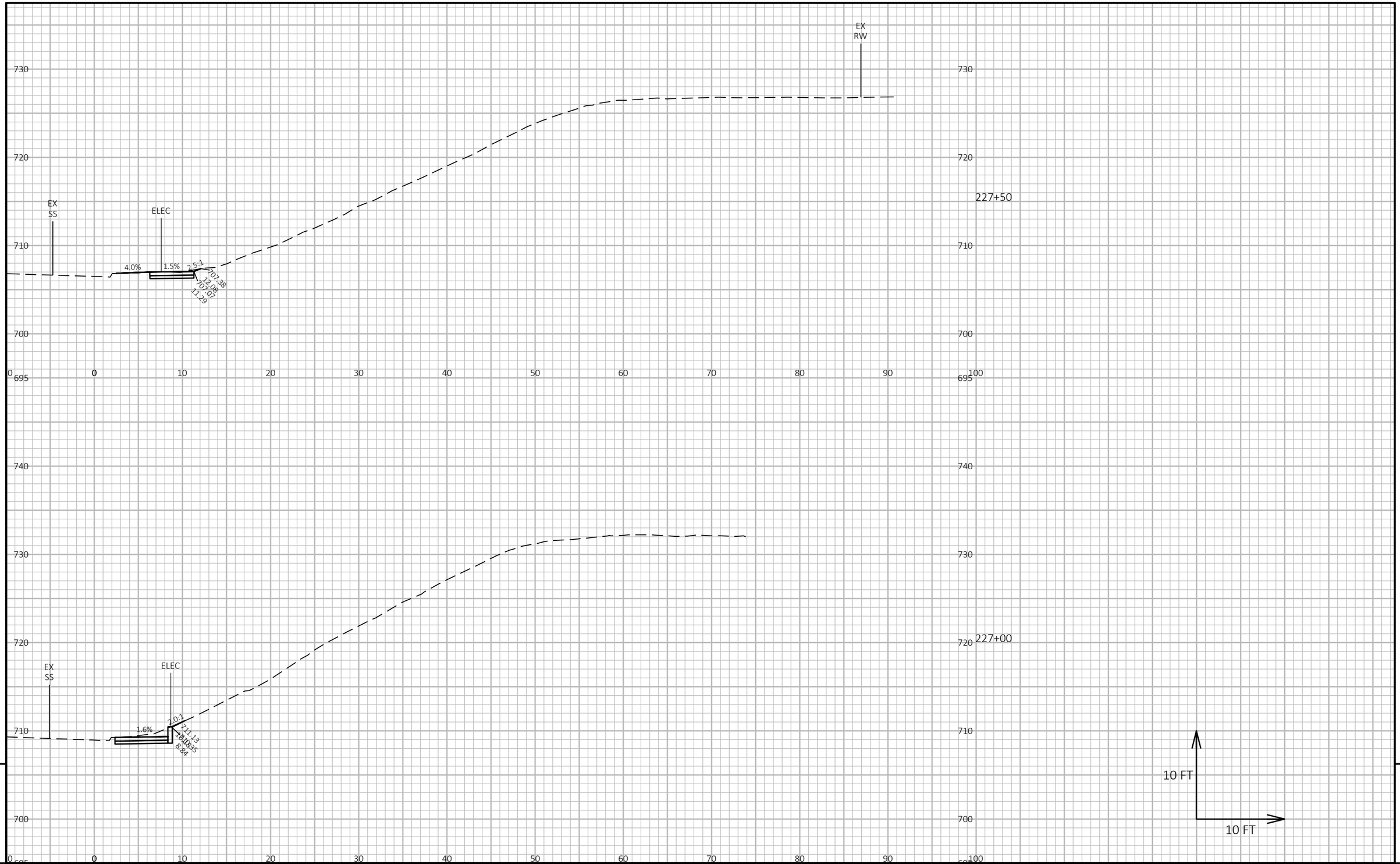
PLOT DATE : 11/11/2024 11:44 AM

PLOT BY : EMMA VINDEDAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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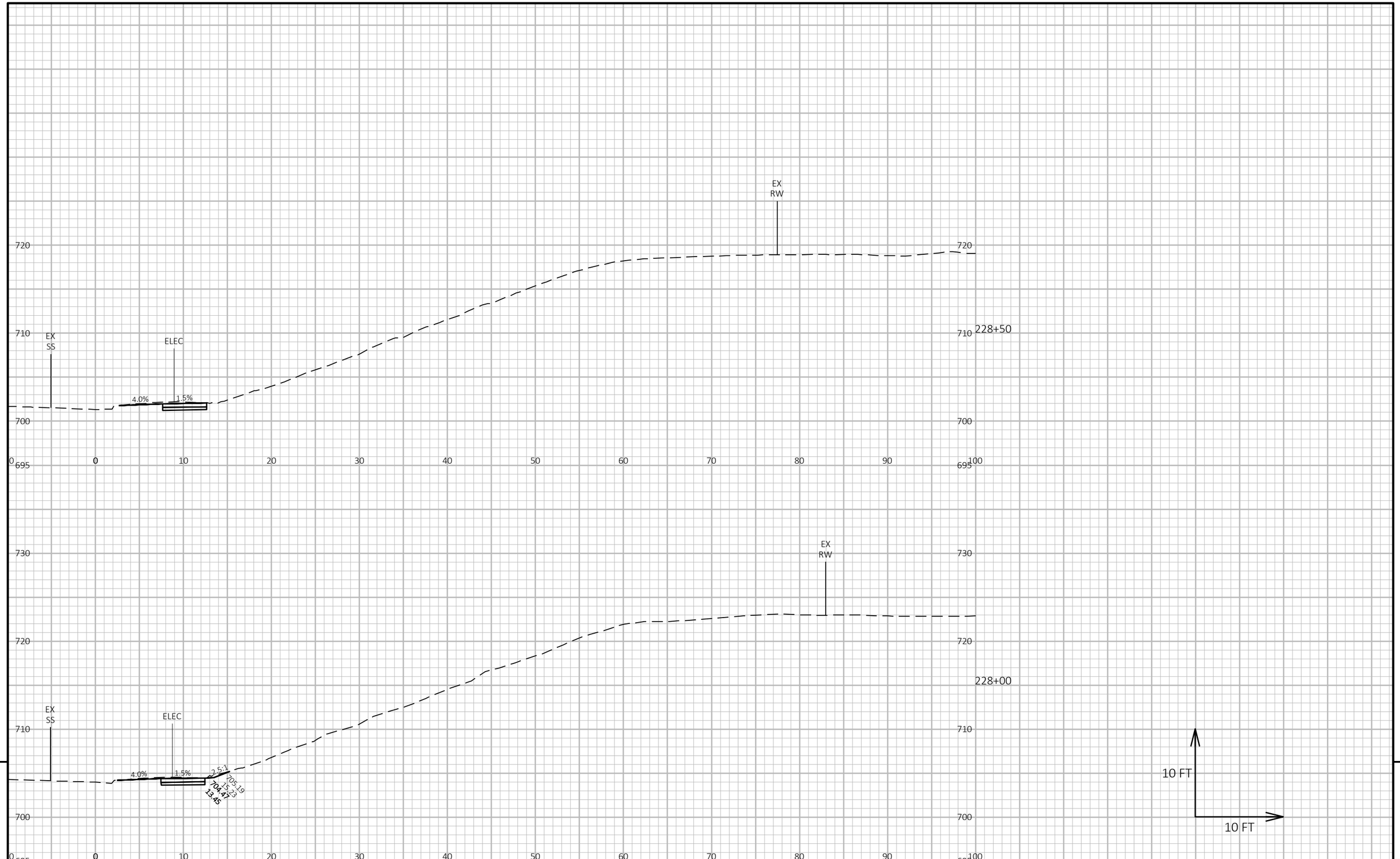
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 984	E

FILE NAME : C:\USERS\TONYBACIAK\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 13

PLOT DATE : 7/24/2025 8:54 PM PLOT BY : TONY BACIAK PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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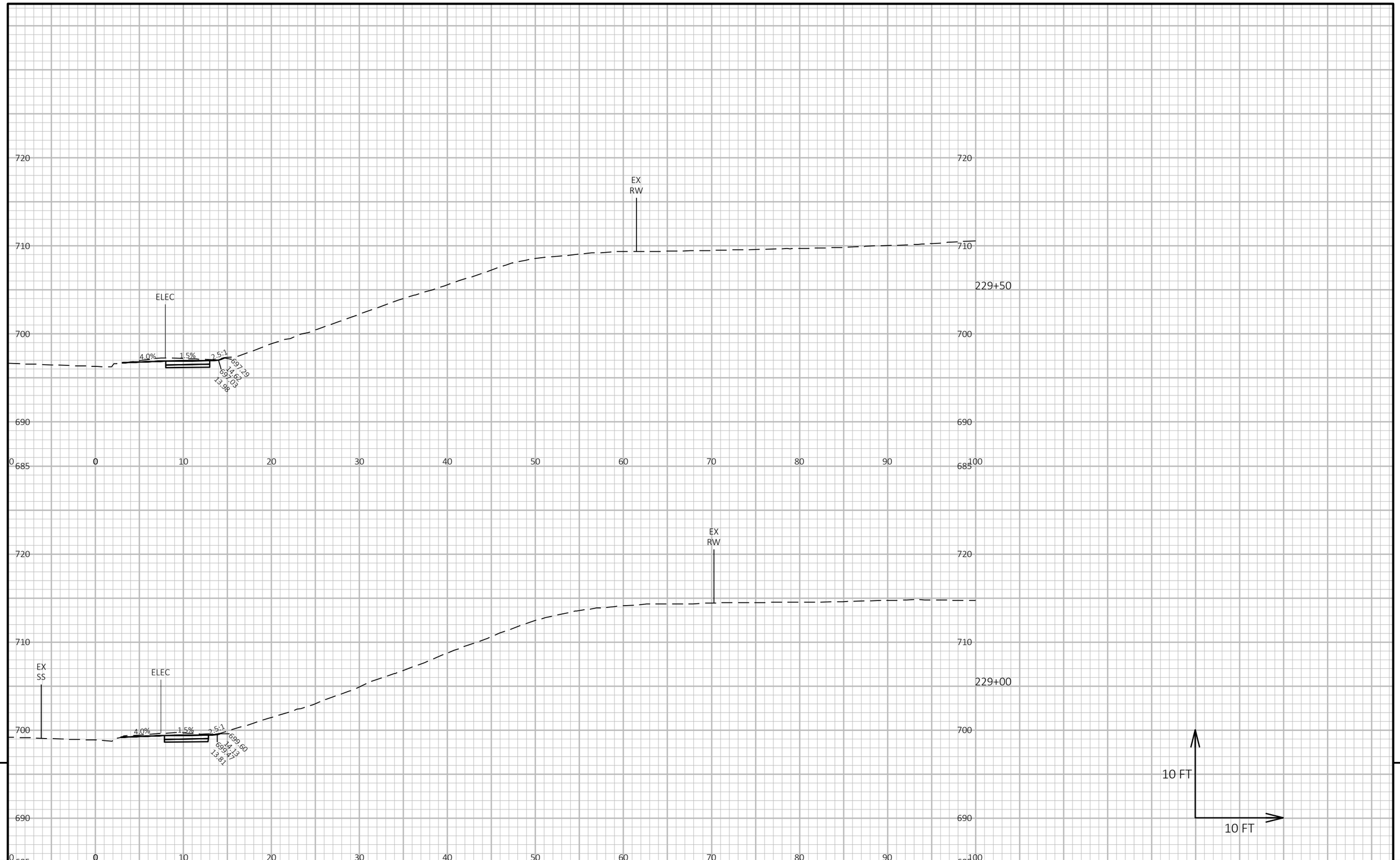
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 985	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 14

PLOT DATE : 11/11/2024 11:44 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 986	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 15

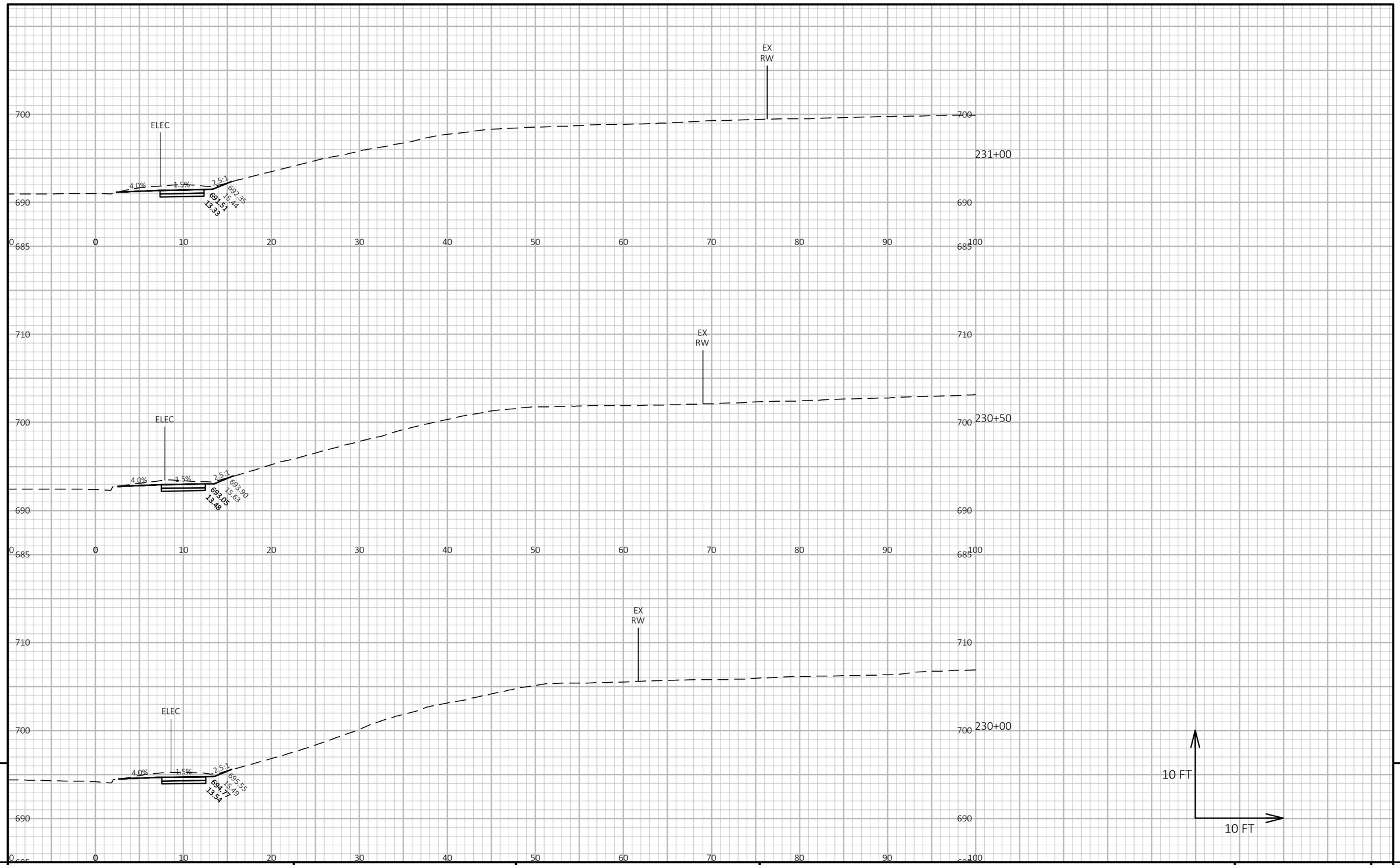
PLOT DATE : 11/11/2024 11:44 AM

PLOT BY : EMMA VINDEDAHL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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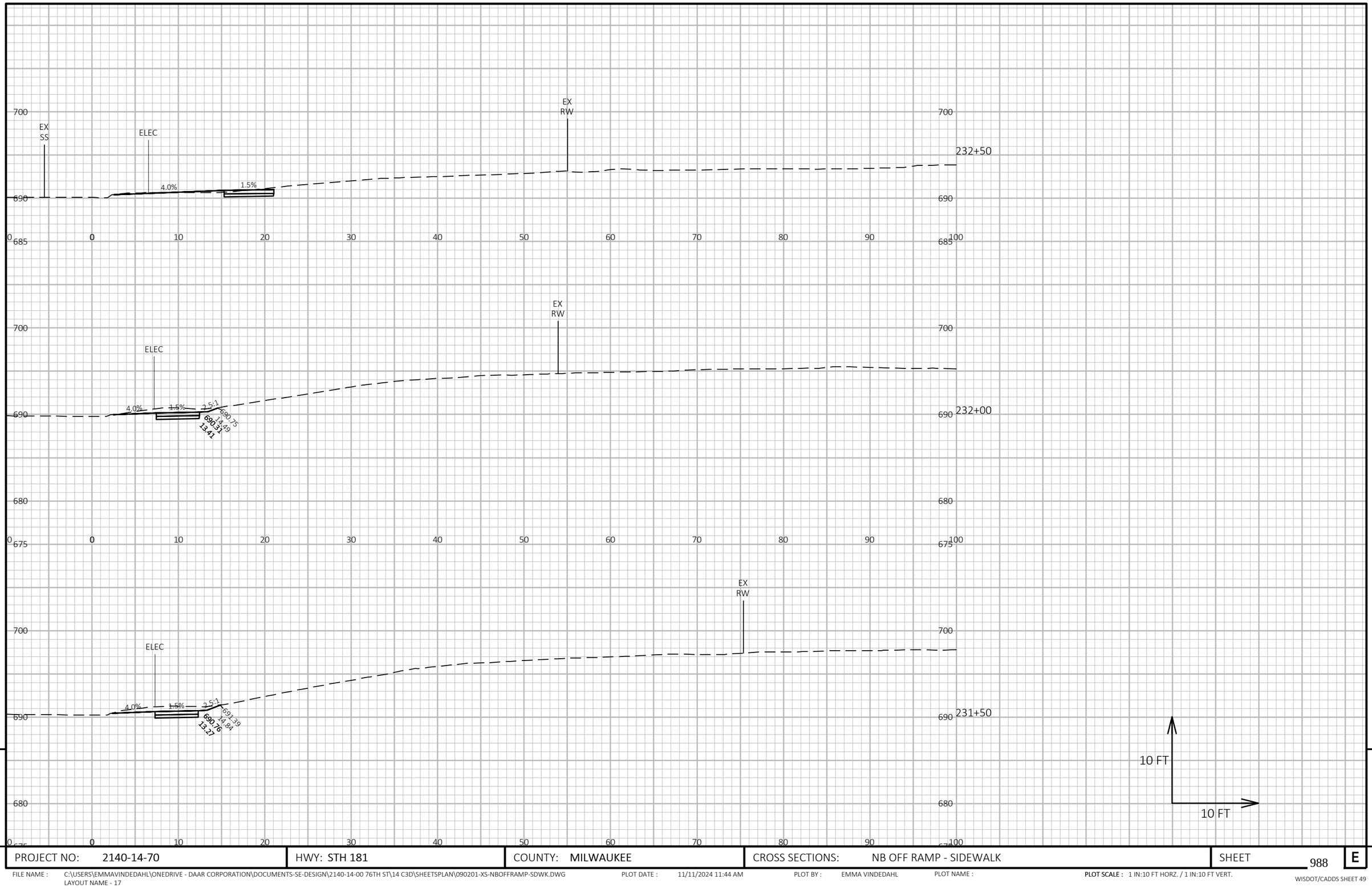
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 987	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 16

PLOT DATE : 11/11/2024 11:44 AM PLOT BY : EMMA VINDEDAHL PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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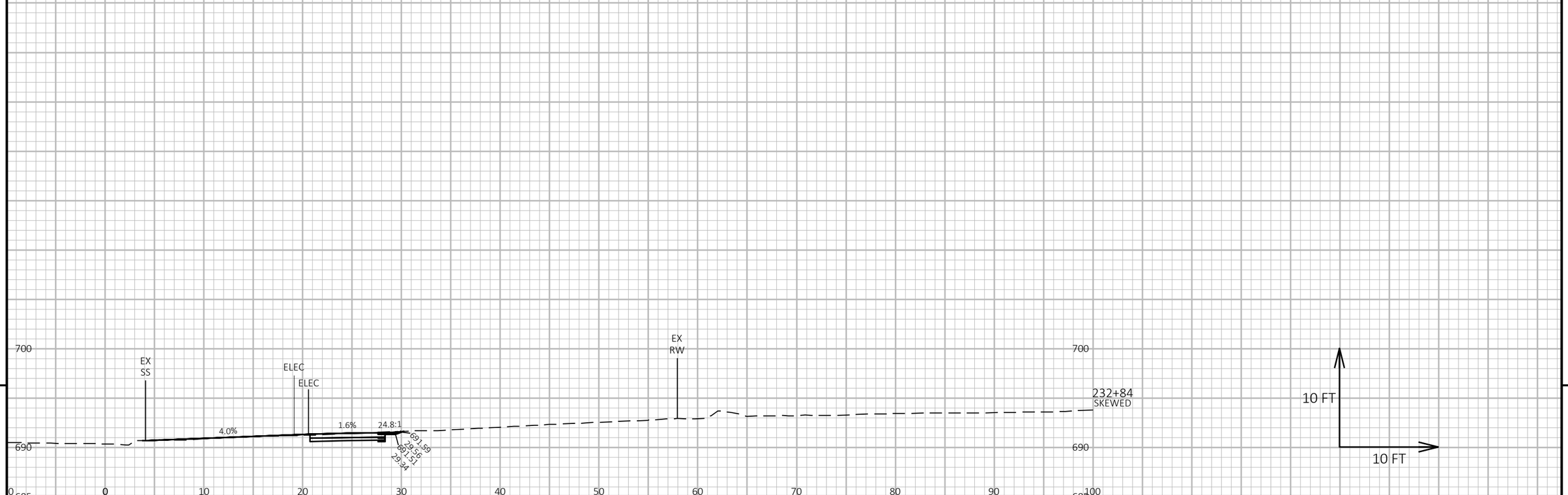
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 988	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 17

PLOT DATE : 11/11/2024 11:44 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



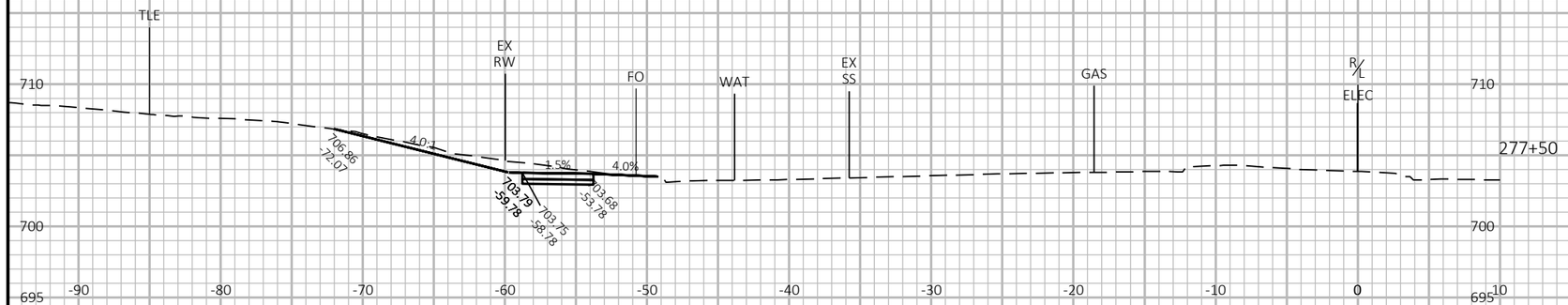
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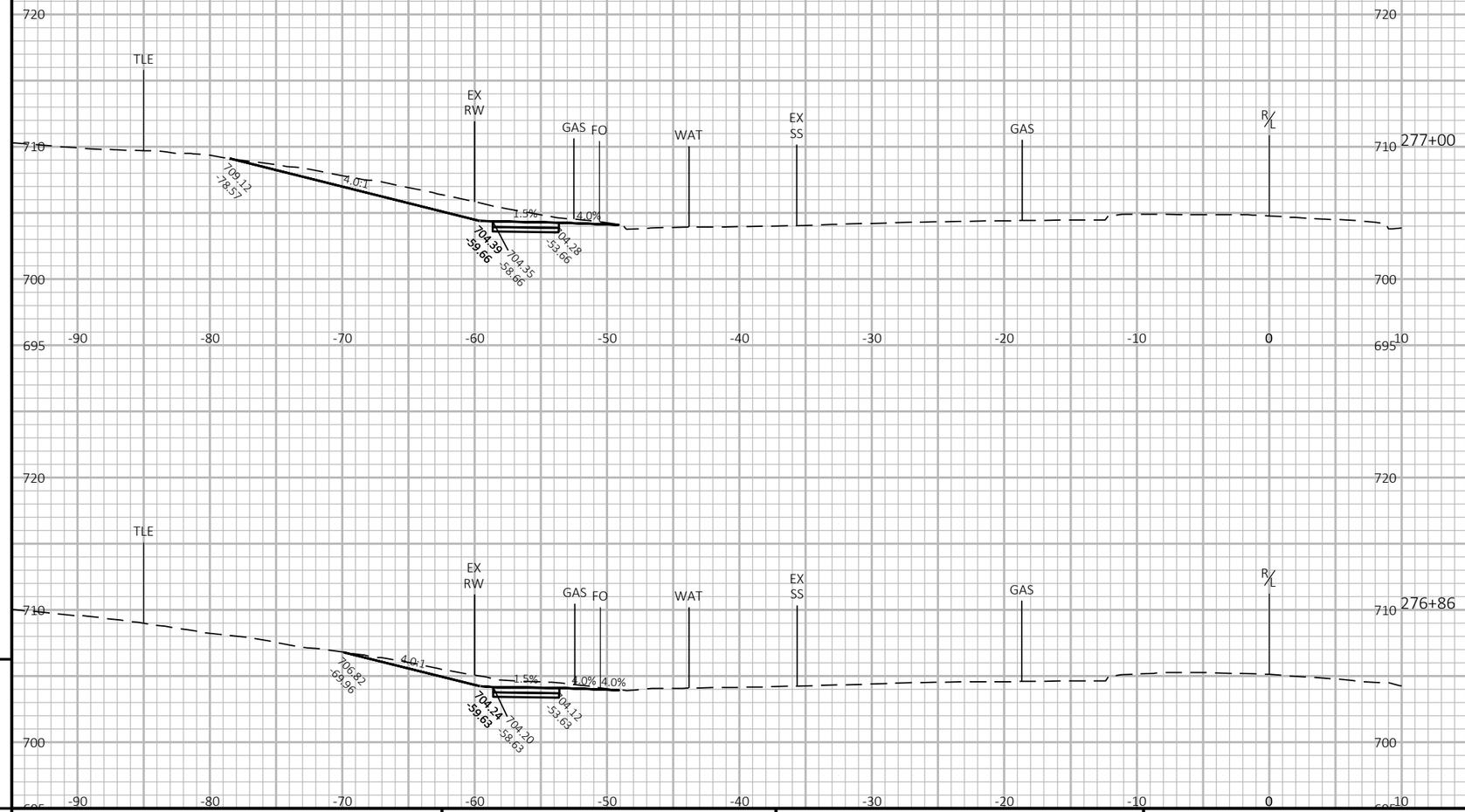
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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: NB OFF RAMP - SIDEWALK	SHEET 989	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-NBOFFRAMP-SDWK.DWG
LAYOUT NAME - 18

PLOT DATE : 11/11/2024 11:44 AM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.







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PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - SIDEWALK	SHEET 990	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-GLENBROOK-COUNTYLN-SDWK.DWG
LAYOUT NAME - 01

PLOT DATE : 4/28/2025 3:15 PM

PLOT BY : EMMA VINDEDAHL

PLOT NAME :

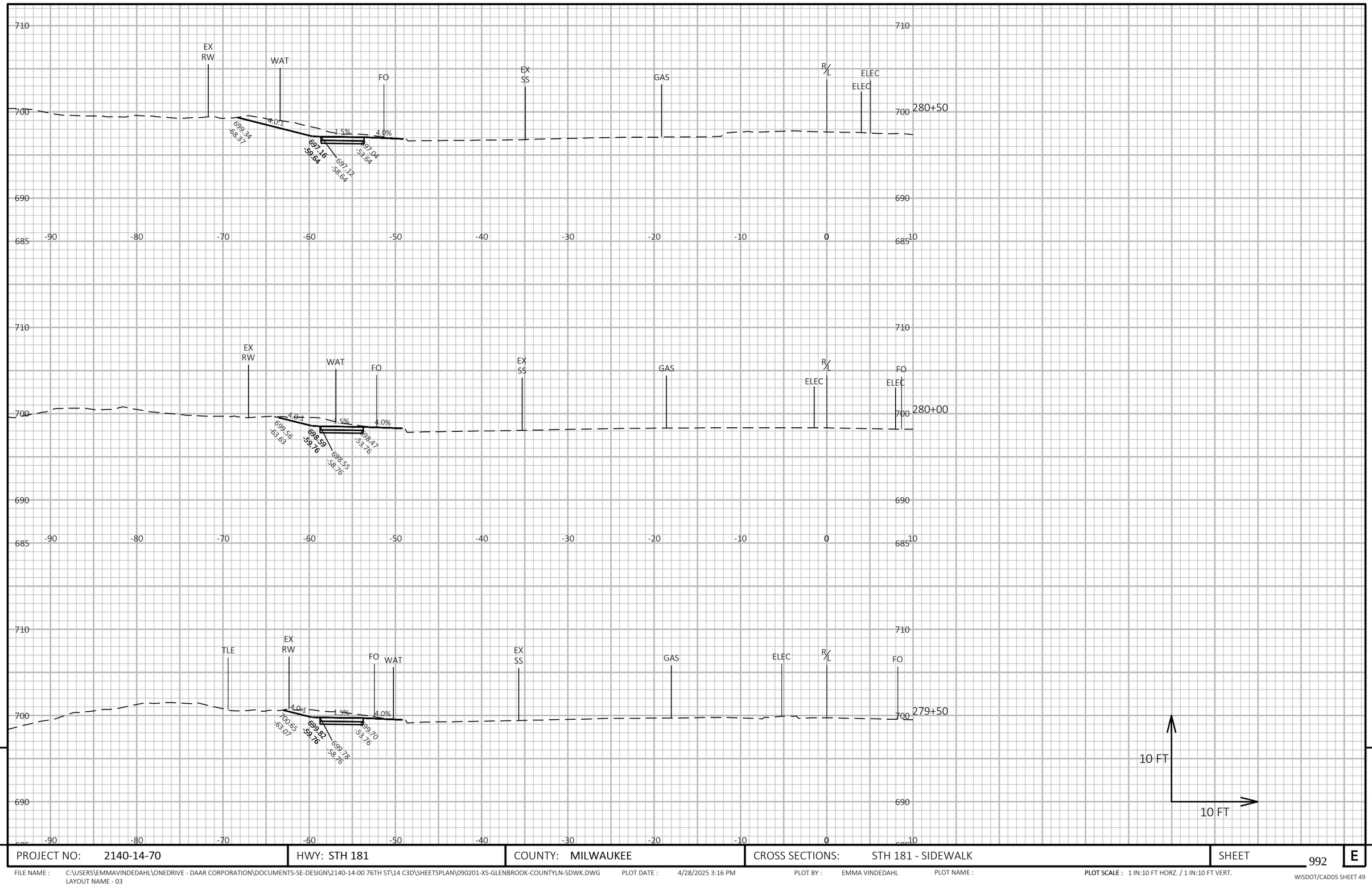
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - SIDEWALK	SHEET 991 E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-GLENBROOK-COUNTYLN-SDWK.DWG PLOT DATE : 4/28/2025 3:16 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
LAYOUT NAME - 02

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - SIDEWALK	SHEET 992	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-GLENBROOK-COUNTYLN-SDWK.DWG
LAYOUT NAME - 03

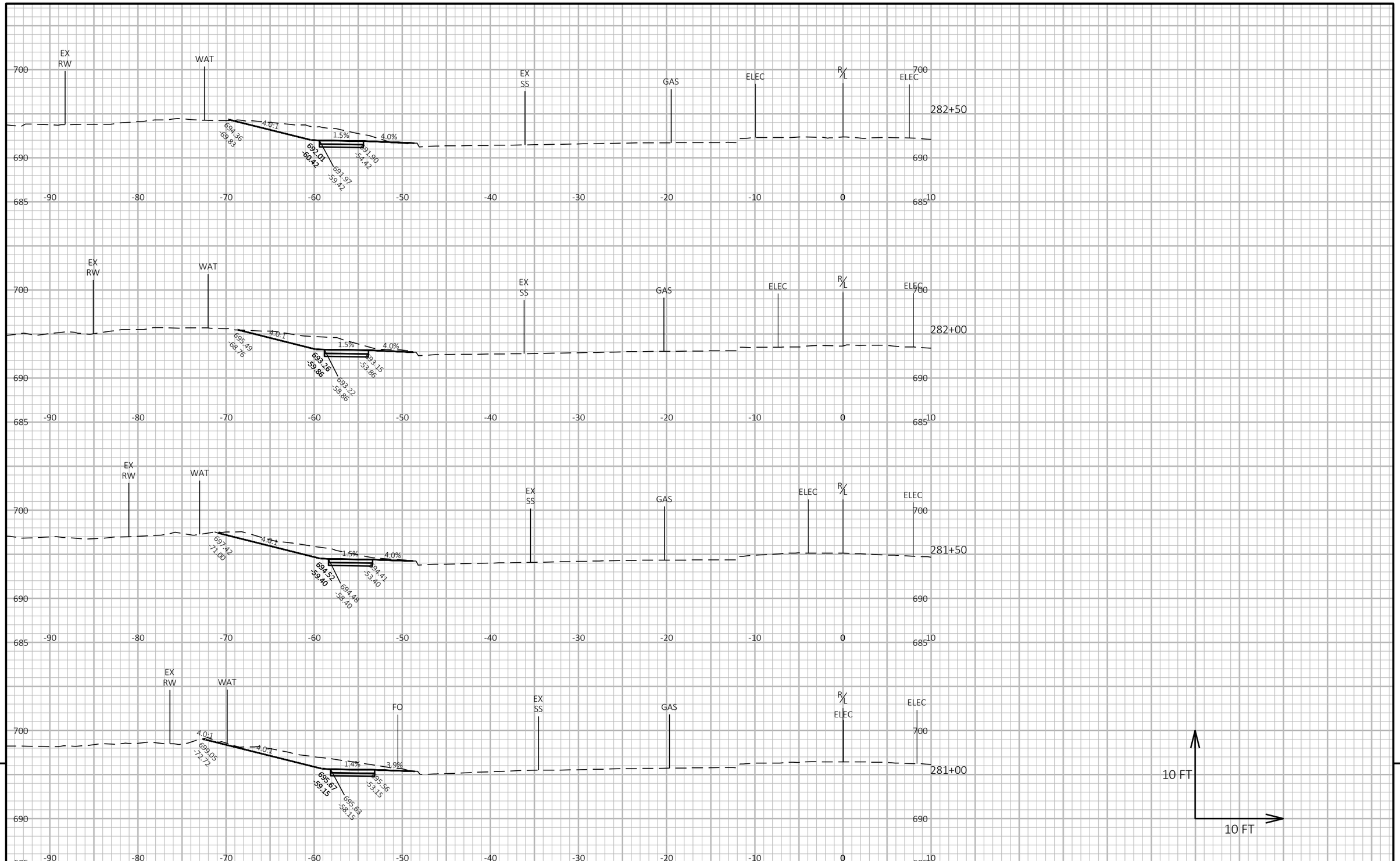
PLOT DATE : 4/28/2025 3:16 PM

PLOT BY : EMMA VINDEDAHL

PLOT NAME :

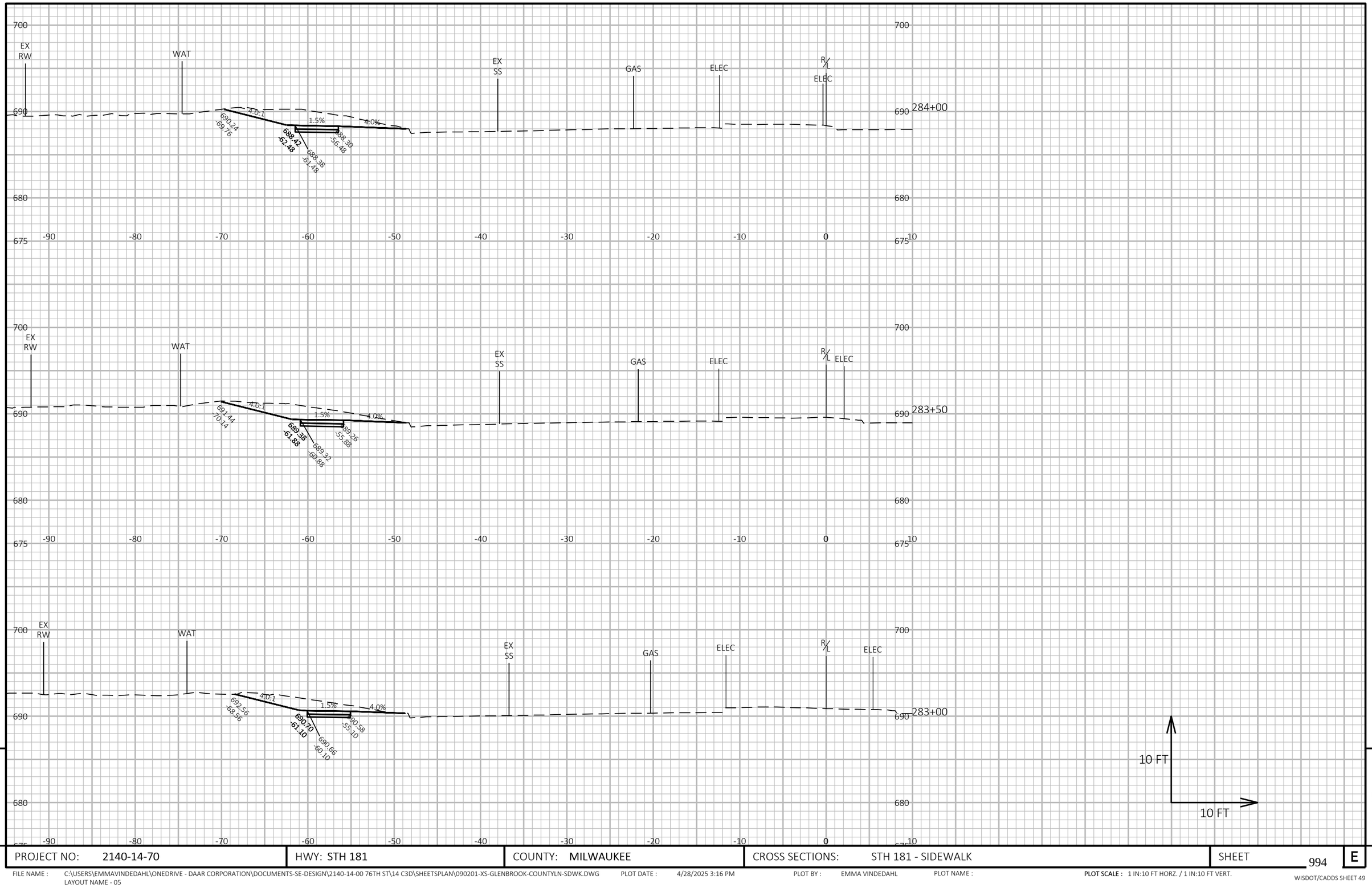
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



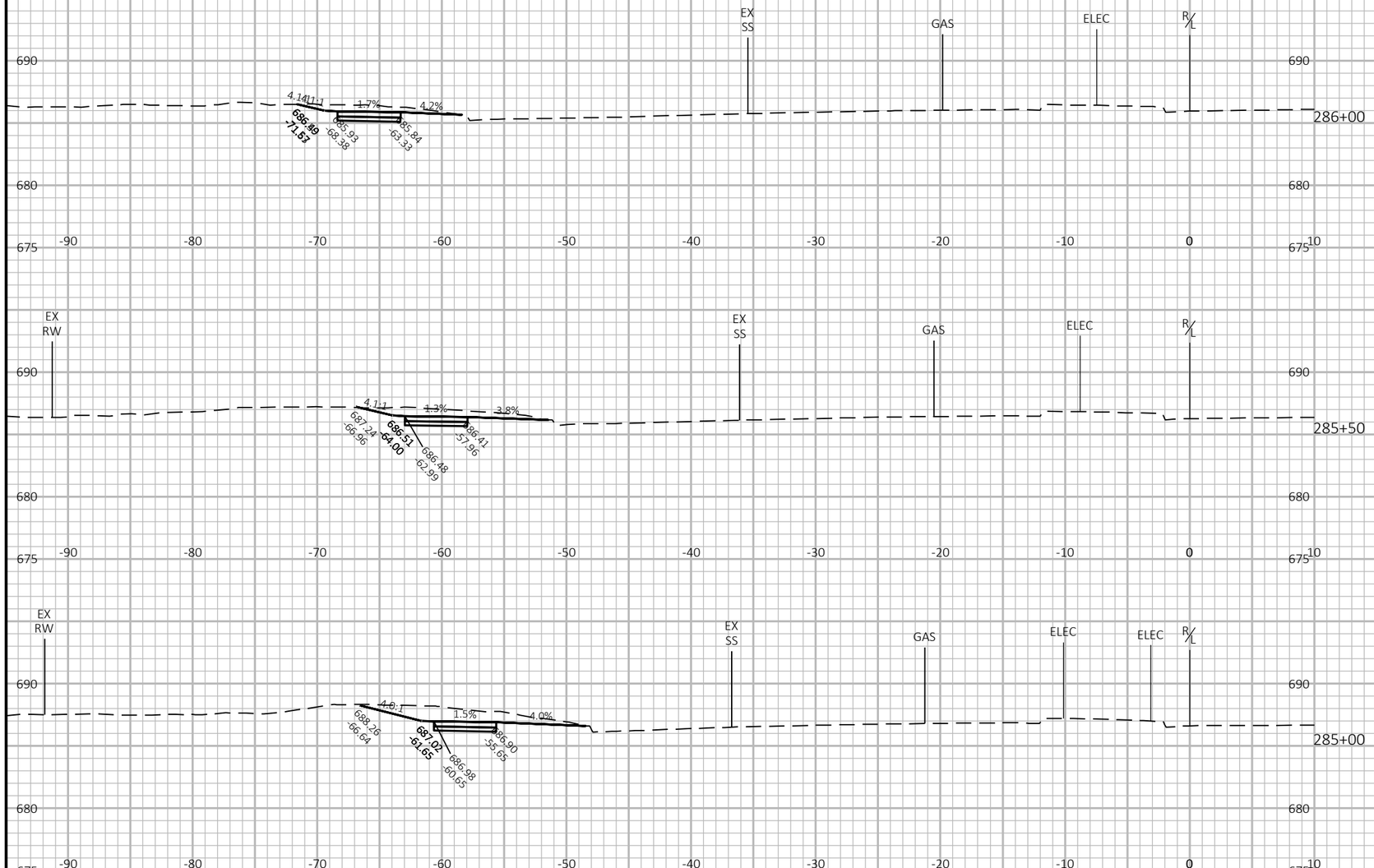
PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - SIDEWALK	SHEET 993	E

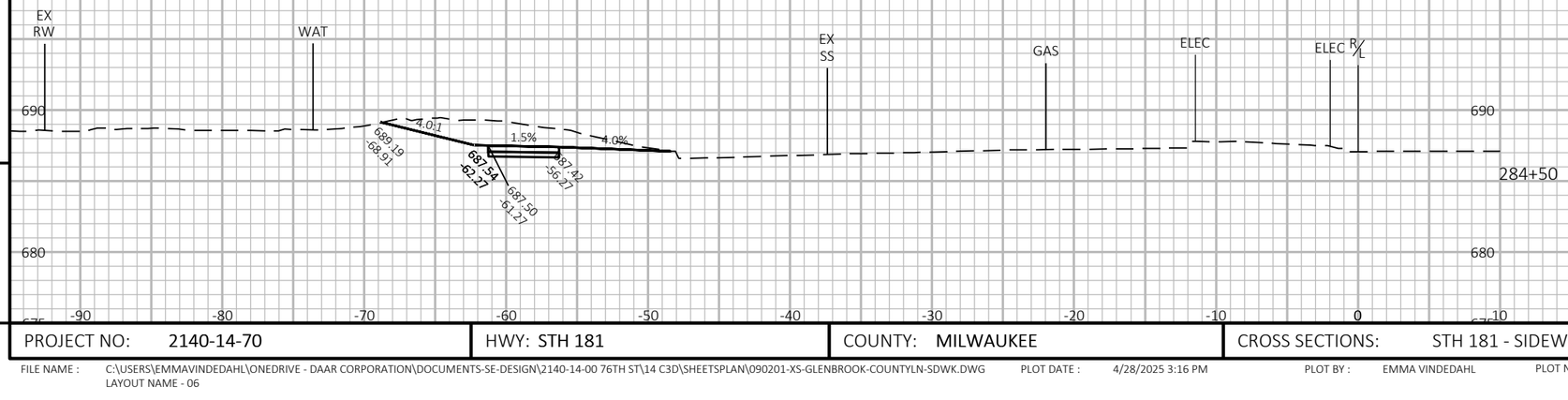
FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-GLENBROOK-COUNTYLN-SDWK.DWG PLOT DATE : 4/28/2025 3:16 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
LAYOUT NAME - 04

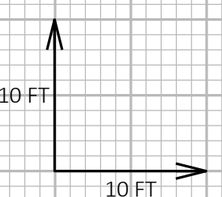


PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - SIDEWALK	SHEET 994 E

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LAYOUT NAME - 05
PLOT DATE : 4/28/2025 3:16 PM
PLOT BY : EMMA VINDEDAHL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49







9

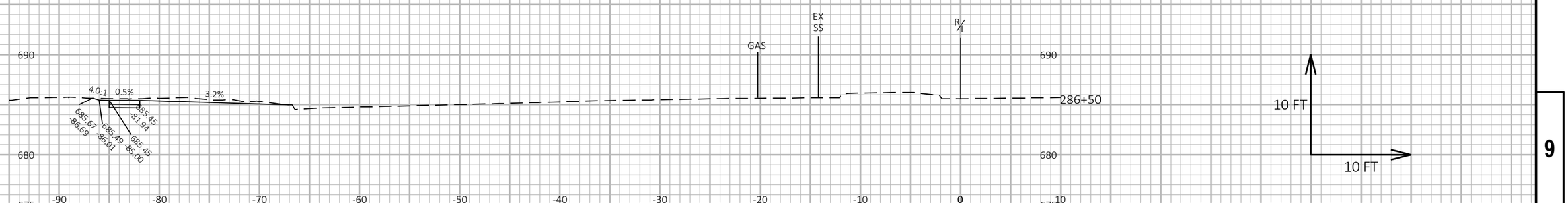
9

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - SIDEWALK	SHEET 995	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-GLENBROOK-COUNTYLN-SDWK.DWG
LAYOUT NAME - 06

PLOT DATE : 4/28/2025 3:16 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 2140-14-70	HWY: STH 181	COUNTY: MILWAUKEE	CROSS SECTIONS: STH 181 - SIDEWALK	SHEET 996	E

FILE NAME : C:\USERS\EMMAVINDEDAHL\ONEDRIVE - DAAR CORPORATION\DOCUMENTS-SE-DESIGN\2140-14-00 76TH ST\14 C3D\SHEETSPLAN\090201-XS-GLENBROOK-COUNTYLN-SDWK.DWG PLOT DATE : 4/28/2025 3:16 PM PLOT BY : EMMA VINDEDAHL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
LAYOUT NAME - 07

Notes

Wisconsin Department of Transportation

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