MAD Jan 10, 2023

PROJECT ID: 5990-01-41/5990-01-42

COUNTY: ROCK

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control)
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 = 286



09

N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CITY OF JANESVILLE, EAST MILWAUKEE STREET

(ATWOOD AVENUE TO MAIN STREET)

LOCAL STREET
ROCK COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5990-01-41	WISC 2023143	1
5990-01-42		

STATE PROJECT NUMBER	STATE PROJECT NUMBER
5990-01-41	5990-01-42
ROADWAY	LOCAL UTILITIES

END PROJECT 5990-01-41
STA. 32+54.50
Y = 270,129.94
X = 494,452.14

BEGIN PROJECT 5990-01-41
STA. 16+77.00
Y = 269,131.63
X = 493,305.36

T-3-N

R-12-E | R-13-E



LAYOUT

SCALE 0 1,000 FT.

TOTAL NET LENGTH OF CENTERLINE = 0.299 MILE

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATE SYTEM (WCCS), ROCK COUNTY, NAD 83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

DESIGN DESIGNATION

A.A.D.T.	(2024)	=	6,320
A.A.D.T.	(2044)	=	6,980
D.H.V.		=	1,124
D.D.		=	59/41
T.		=	3.9%
DESIGN SPEED		=	30 MPH
ESALS		=	827,692

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'FR)
- 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

ACCEPTED FOR
CITY OF JANESVILLE
Date 6/17/22 (Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

MSA
1702 Pankratz Street, Madison, WI 53704
608-242-7779 1-800-446-0679 Fax: 608-242-5664

WISCONSIN CHAD D. WAGNER E-45546 MADISON WI PROFESSIONAL ENGINEER

DATE: 6/17/22 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	COMBS & ASSOCIATES, INC.
Designer	MSA PROFESSIONAL SERVICES, INC.
Project Manager	ZACH PEARSON
Regional Examiner	
Regional Supervisor	

APPROVED FOR THE DEPARTMENT
DATE: 06/20/22 (Signature)

E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 4/26/2022 3:19 PM PLOT BY : JASON DOLENS PLOT NAME :

GENERAL NOTES

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

THE REMOVAL OF BRICKS AND CONCRETE DRIVEWAY APRONS SHALL BE MEASURED AND PAID FOR AS 'REMOVING CONCRETE SIDEWALK'.

ALL CONCRETE STEPS WITHIN THE PROJECT LIMITS ARE TO REMAIN. WHEN INSTALLING CONCRETE SIDEWALK ADJACENT TO THE STEPS, STEP RISERS ARE TO BE 6-INCHES IN HEIGHT (TYP.) (4-INCHES MINIMUM, 7-INCHES MAXIMUM).

TYPICAL FINISHED SECTIONS SHOW THE GENERAL ROADWAY FEATURES THROUGHOUT THE PROJECT. PAVEMENT SLOPES, BORDER SLOPES, ETC., MAY VARY WITHIN THE STATION LIMITS OF EACH SECTION.

CROSS SLOPES AS SHOWN ON THE TYPICAL SECTION WILL VARY AT THE INTERSECTIONS. SEE DETAIL SHEETS AND CROSS SECTIONS FOR SLOPES AND GRADES.

GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

EARTHWORK WASTE MATERIAL SHOWN ON THE EARTHWORK SUMMARY SHALL BE HAULED FROM THE PROJECT, EXCEPT AS DIRECTED BY ENGINEER.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS, BUT IS MEASURED AND PAID FOR AS 'EXCAVATION COMMON'. THE LOCATION OF EBS WILL BE DETERMINED BY THE ENGINEER. AN UNDISTRIBUTED QUANTITY OF SELECT CRUSHED MATERIAL IS INCLUDED FOR EBS BACKFILL.

PROOF ROLLING OF SUBGRADE IS REQUIRED BEFORE PLACEMENT OF BASE AGGREGATE AND IS INCIDENTAL TO EXCAVATION COMMON. PROOF ROLLING SHALL BE WITNESSED BY THE ENGINEER.

THE LIMITS OF PAVEMENT REMOVAL ON SIDE STREETS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER.

EXPANSION JOINTS ARE TO BE INSTALLED AT ALL CURB & GUTTER RADIUS POINTS.

SIDEWALK REPLACEMENT SHOULD BE TO THE NEAREST JOINT. LIMITS ARE APPROXIMATE AND ARE TO BE VERIFIED IN THE FIELD BY THE ENGINEER.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAYS SHALL BE REPLACED IN KIND.

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

THE EROSION CONTROL FEATURES ARE SHOWN ON THE PLAN AND ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE OF CONSTRUCTION OPERATIONS AND MAINTAINED AS DETERMINED BY THE ENGINEER.

ALL DISTURBED GRASS AREAS SHALL BE COVERED WITH TOPSOIL, FERTILIZER AND SOD AS SHOWN IN THE EROSION CONTROL DETAILS. PAYMENT FOR RESTORATION WILL ONLY BE FOR AREAS SHOWN ON THE PLANS WITHIN THE SLOPE INTERCEPTS.

PIPE ELEVATIONS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

ALL LENGTHS ARE IN FEET EXCEPT AS SHOWN.

OFFSETS FOR INLETS AND MANHOLES ARE GIVEN TO THE CENTER OF STRUCTURE. STORM SEWER PIPE LENGTHS ARE TO CENTER OF STRUCTURES.

ELEVATIONS SHOWN ON THE STORM SEWER SHEETS ARE AT THE FLANGE OF THE CASTING. A MINIMUM 6" OF ADJUSTMENT RINGS ARE REQUIRED UNLESS OTHERWISE NOTED.

SEE SUBSURFACE EXPLORATION REPORTS FOR SOIL BORING INFORMATION. REPORTS ARE AVAILABLE FROM KARISSA CHAPMAN AT THE CITY OF JANESVILLE (PHONE: 608-755-3163).

INDEX OF TYPICAL SECTIONS AND DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
OVERVIEW DETAILS
PAVING DETAILS
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER
WATERMAIN
SANITARY SEWER
PLANTING
STREETSCAPING
WALL DETAILS
PERMANENT SIGNING
LIGHTING PLAN
TRAFFIC SIGNALS
PAVEMENT MARKINGS
TRAFFIC CONTROL
PEDESTRIAN ACCESS
DETOUR ROUTE
ALIGNMENT OVERVIEW
CONTROL POINTS

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
MEDIAN STRIP TURF	0.19	0.20	0.24	0.19	0.22	0.26	0.20	0.23	0.30	0.20	0.25 0.32	0.30 0.40
SIDE SLOPE TURF			0.25			0.27			0.28			0.30 0.38
PAVEMENT:	0.40 - 0.60											
ASPHALT:	0.70 - 0.95											
CONCRETE:	0.80 - 0.95											
BRICK:	0.70 - 0.80											
DRIVES, WALKS:	0.75 - 0.85											
ROOFS:	0.75 - 0.95											
GRAVEL ROADS, SHOULDERS	0.40 - 0.60											

DESIGN CONTACTS

CITY OF JANESVILLE:
ATTN: KARISSA CHAPMAN
18 N. JACKSON STREET
JANESVILLE, WI 53548
PHONE: (608) 755-3163
E-MAIL: chapmank@ci.janesville.wi.us

WISCONSIN DEPARTMENT OF TRANSPORTATION
LOCAL PROGRAM MANAGEMENT:
ATTN: ZACH PEARSON
2101 WRIGHT STREET
MADISON, WI 53704
PHONE: (608) 246-5319
E-MAIL: zachary.pearson@dot.wi.gov

MSA PROFESSIONAL SERVICES
ATTN: BRIAN HUIBREGTSE
1702 PANKRATZ STREET
MADISON, WI 53704
PHONE: (608) 242-6650
E-MAIL: bhuibregtse@msa-ps.com

ATTN: CHAD WAGNER
1702 PANKRATZ STREET
MADISON, WI 53704
PHONE: (608) 242-6651
E-MAIL: cwagner@msa-ps.com

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
ATTN: SHELLEY NELSON
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
PHONE: (608) 444-2835
E-MAIL: shelley.nelson@wisconsin.gov

UTILITIES

ELECTRIC AND GAS:
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ATTN: RON ROHM
3730 KENNEDY ROAD
JANESVILLE, WI 53545
PHONE: (608) 757-7514
E-MAIL: ronaldrohm@alliantenergy.com

TELECOMMUNICATIONS:
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ATTN: MIKE KOEHLER
4414 TERMINAL DRIVE
MCFARLAND, WI 53558
PHONE: (608) 863-6016
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324 E. WISCONSIN AVENUE, SUITE 730
MILWAUKEE, WI 53202
PHONE: (815) 252-5956
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1348 PLAINFIELD AVENUE
JANESVILLE, WI 53545
PHONE: (608) 209-8659
E-MAIL: brian.koehn@charter.com

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ATTN: MATT SCHULTER
525 JUNCTION ROAD
MADISON, WI 53717
PHONE: (262) 754-3063
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UNITE PRIVATE NETWORKS (UPN)
ATTN: GEORGE FORBES
225 CHURCHILL DR
JULIETTE, GA 31046
PHONE: (478) 832-0669
E-MAIL: george.forbes@upnfiber.com

TELECOMMUNICATIONS:
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ATTN: BOB HODOROWICZ
1806 HAGEMANN DRIVE
BATAVIA, IL 60510
PHONE: (224) 762-1249
E-MAIL: relos@tkns.net

TELECOMMUNICATIONS:
WINDSTREAM
ATTN: LORI KETTER
314 N DANZ AVE
GREEN BAY, WI 54302
PHONE: (920) 410-6902
E-MAIL: lori.ketter@windstream.com

STREET LIGHTING:
CITY OF JANESVILLE
ATTN: MATT GOSLINE
2200 USH 51 N
JANESVILLE, WI 53545
PHONE: (608) 751-5220
E-MAIL: goslinem@ci.janesville.wi.us

SANITARY SEWER & WATERMAIN:
CITY OF JANESVILLE
ATTN: CRAIG THIESENHUSEN
123 E. DELEVAN DRIVE
JANESVILLE, WI 53545
PHONE: (608) 373-3471
E-MAIL: thiesenhusenc@ci.janesville.wi.us

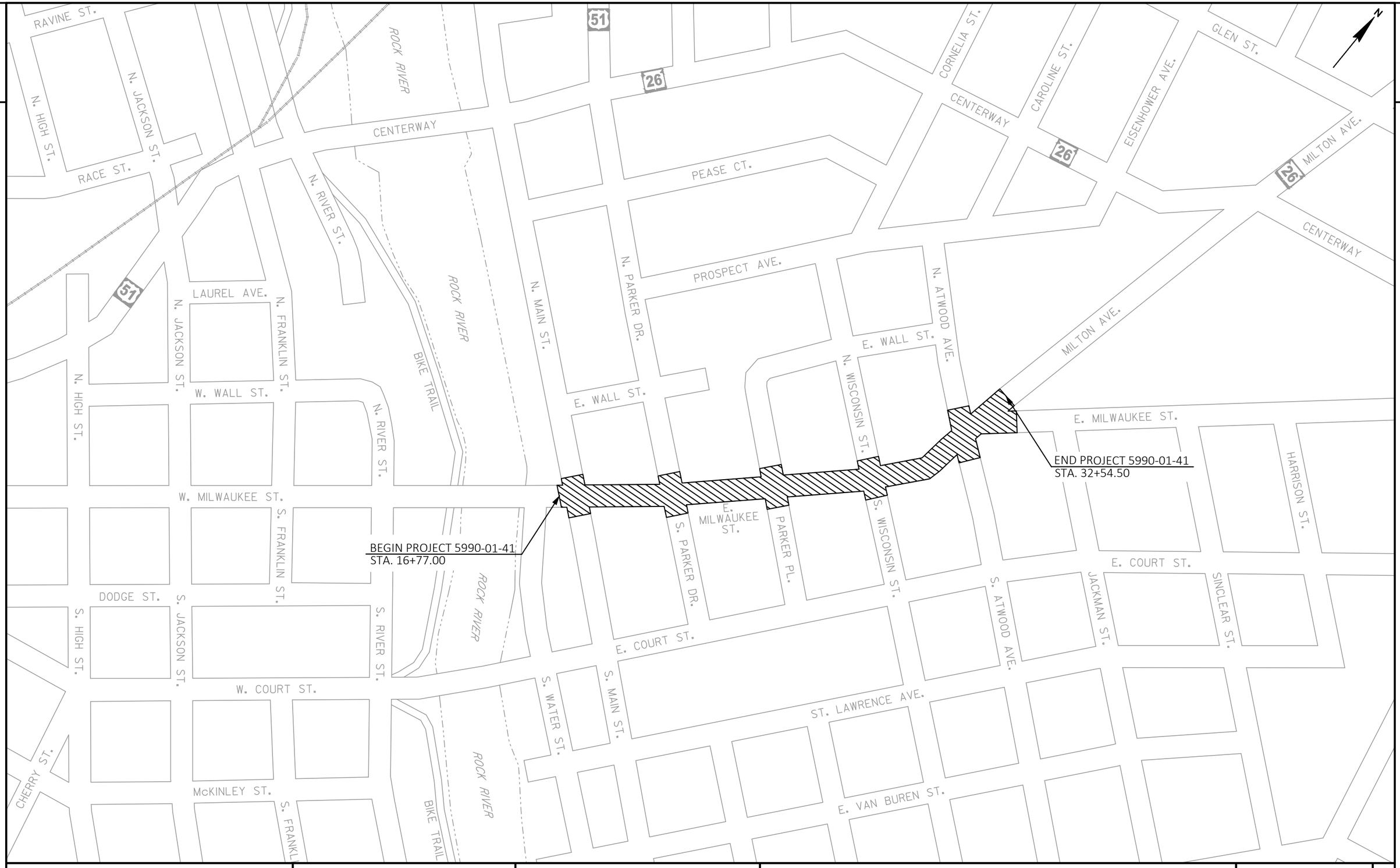
STORM SEWER:
CITY OF JANESVILLE
ATTN: KARISSA CHAPMAN
18 N. JACKSON STREET
JANESVILLE, WI 53548
PHONE: (608) 755-3163
E-MAIL: chapmank@ci.janesville.wi.us

**DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS

STANDARD ABBREVIATIONS

AC	ACRES
AH	AHEAD
ALUM.	ALUMINUM
A.P.	ACCESS POINT
ASPH	ASPHALT
AVE	AVENUE
BK	BACK
BLK	BLOCK
BM	BENCHMARK
CABC	CRUSHED AGGREGATE BASE COURSE
C/L	CENTERLINE
Δ	CENTRAL ANGLE or DELTA
CONC	CONCRETE
CP	CONTROL POINT
CSM	CERTIFIED SURVEY MAP
D	DEGREE OF CURVE
DIA	DIAMETER
E	EAST
EB	EASTBOUND
ET AL	AND OTHERS
EW	ENDWALL
EXIST	EXISTING
FT	FOOT
FT2	SQUARE FEET
GN	GRID NORTH
HYD	HYDRANT
IN	INCH
INL	INLET
IP	IRON PIPE
L	LENGTH
L	LENGTH OF CURVE
LF	LINEAL FEET
LC	LONG CHORD
LCB	LONG CHORD BEARING
LP	LOW POINT
LT	LEFT
MH	MANHOLE
MI	MILE
MON	MONUMENT
N	NORTH
NB	NORTHBOUND
NO	NUMBER
PB	PULLBOX
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT
PT	POINT OF TANGENCY
PL	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
POB	POINT OF BEGINNING
R	RADIUS
R	RANGE
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RL or R/L	REFERENCE LINE
RP	RADIUS POINT
RT	RIGHT
R/W	RIGHT-OF-WAY
RD	ROAD
SAN	SANITARY SEWER
S	SOUTH
SB	SOUTHBOUND
SL	SPECIAL LOGO
SQ	SQUARE
STD	STANDARD
SEC	SECTION
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
ST	STREET
STA	STATION
STM	STORM SEWER
STR	STRUCTURE
T	TANGENT
TAN	TANGENT
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
T or TN	TOWN
TYP	TYPICAL
UD	UNDERDRAIN
WM	WATERMAIN
WV	WATER VALVE
W	WEST
WB	WESTBOUND
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE

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

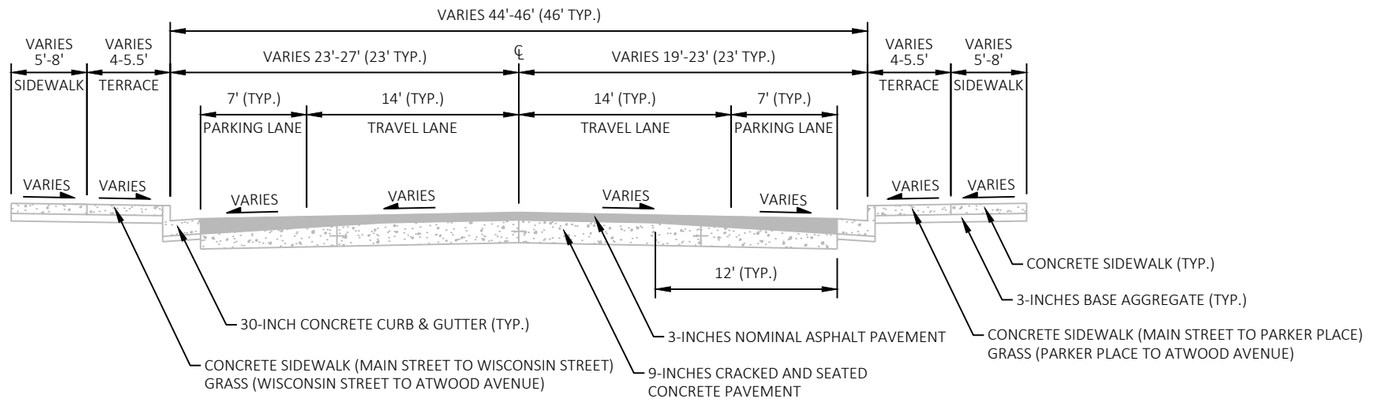


PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po

PLOT DATE : 7/24/2022 2:06 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : ##########

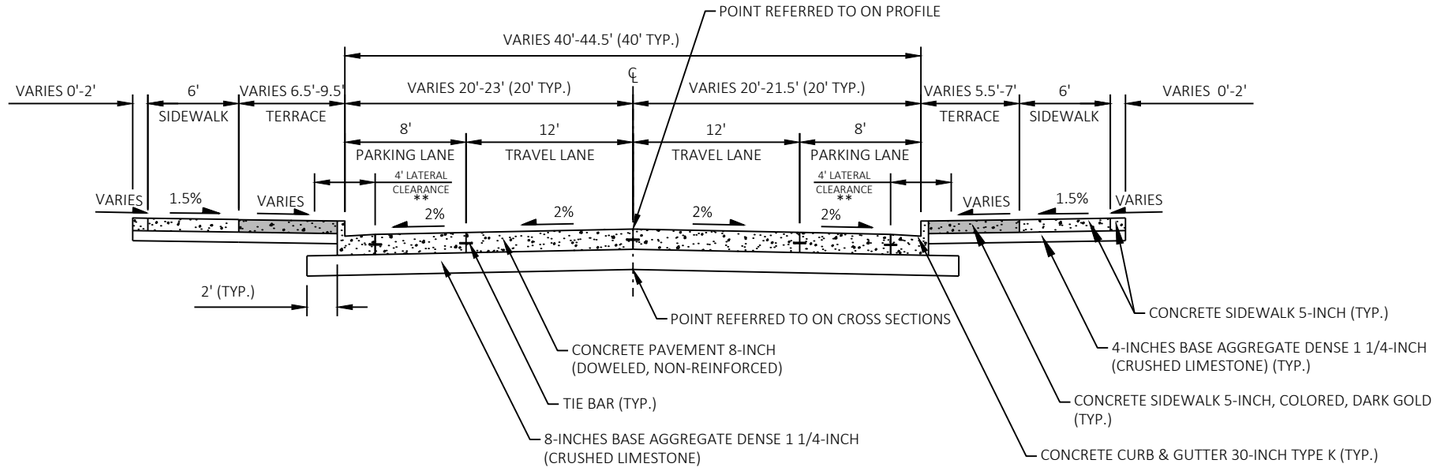
2



EXISTING TYPICAL SECTION - E. MILWAUKEE STREET
MAIN STREET TO ATWOOD AVENUE
(STA. 16+77.00 TO STA. 32+54.50)

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	TYPICAL SECTIONS	SHEET 4	E

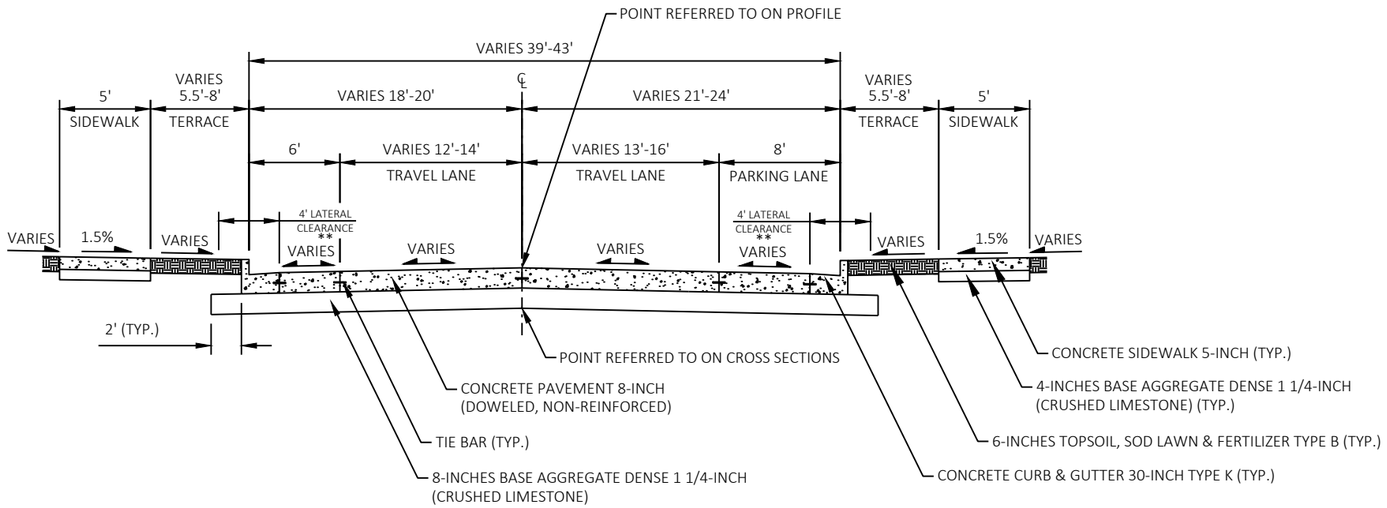
2



FINISHED TYPICAL SECTION - E. MILWAUKEE STREET
MAIN STREET TO PARKER PLACE
(STA. 16+77.00 TO STA. 24+45.00)

NOTE: DISTURBED GRASS AREAS SHALL BE COVERED WITH 6-INCHES TOPSOIL, SOD LAWN & FERTILIZER TYPE B

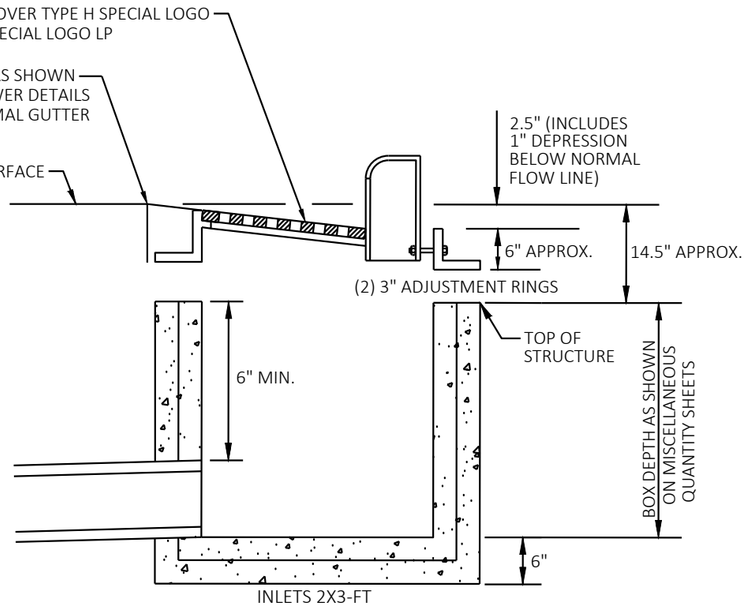
** 2' MINIMUM LATERAL CLEARANCE FROM FACE OF CURB MUST BE MAINTAINED



FINISHED TYPICAL SECTION - E. MILWAUKEE STREET
PARKER PLACE TO ATWOOD AVENUE
(STA. 24+45.00 TO STA. 32+54.50)

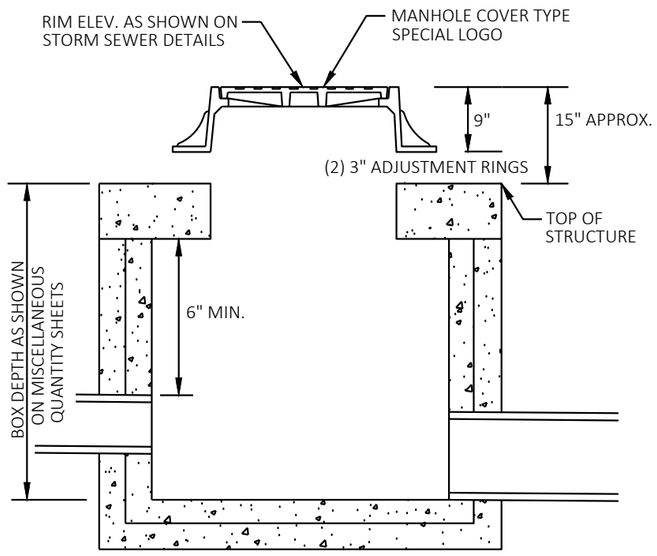
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	TYPICAL SECTIONS	SHEET 5	E

STATION, OFFSETS FOR INLETS
ARE TO CENTER OF STRUCTURE



DETAIL FOR COMPUTING INLET ELEVATIONS

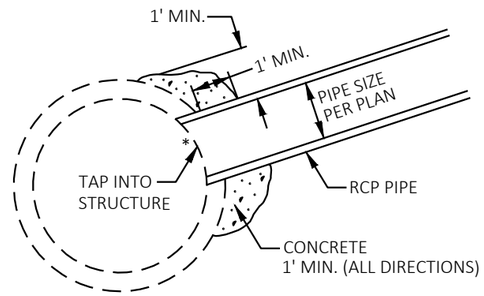
STATION, OFFSETS FOR MANHOLES
ARE TO CENTER OF STRUCTURE



DETAIL FOR COMPUTING MANHOLE ELEVATIONS

NOTE: CONCRETE INCIDENTAL TO
INSTALLATION OF STORM SEWER PIPE

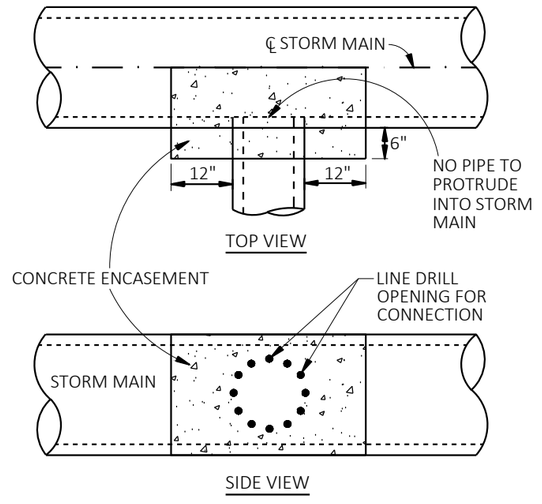
*NO PIPE TO PROTRUDE INTO MANHOLE



PLAN VIEW

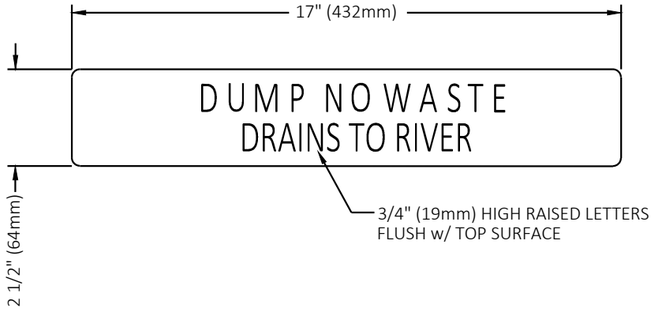
MANHOLE CONNECTION DETAIL

NOTE: STORM SEWER PIPE TAP INCIDENTAL TO
'RECONNECT STORM SEWER LATERALS' BID ITEM

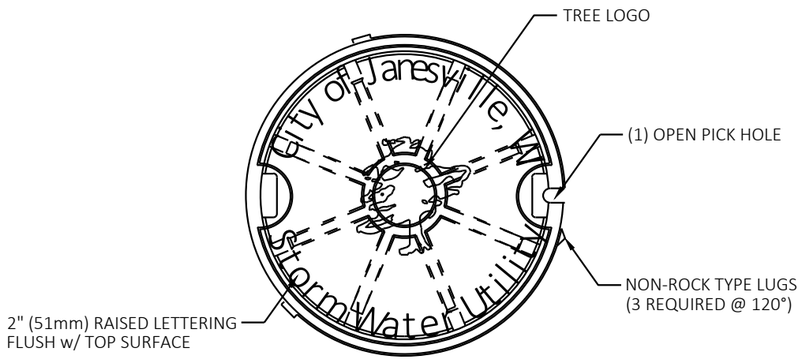


STORM SEWER PIPE TAP DETAIL

2

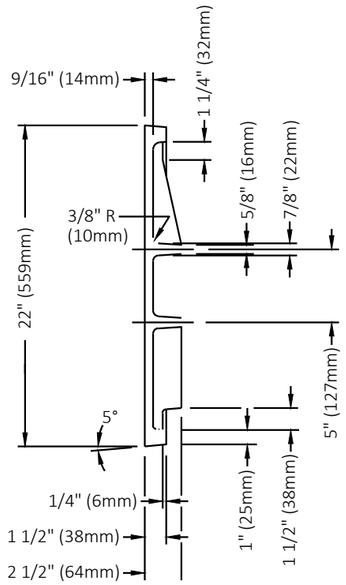


INLET COVER TYPE H SPECIAL LOGO (SL) DETAIL



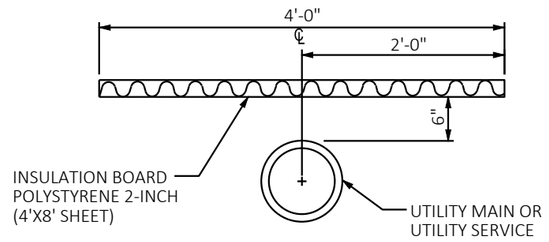
	WATER	SANITARY	STORM
FRAME	R-1710-NR	R-1710-NR	R-1710-NR
COVER	N1090-1092	N1090-1091	N1090-1093

ALL FRAMES AND COVERS ARE MANUFACTURED BY NEENAH FOUNDRY



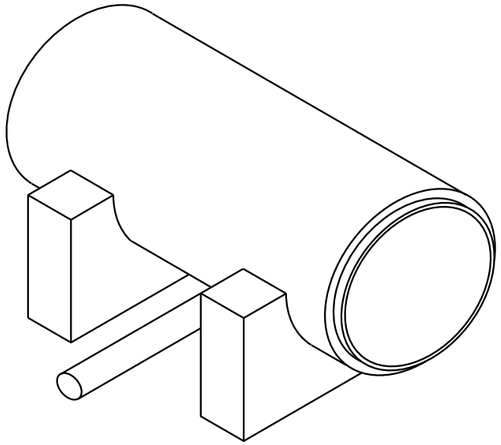
NOTE: ALL DIMENSIONS SHOWN ARE IN ENGLISH AND [METRIC]
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 95#

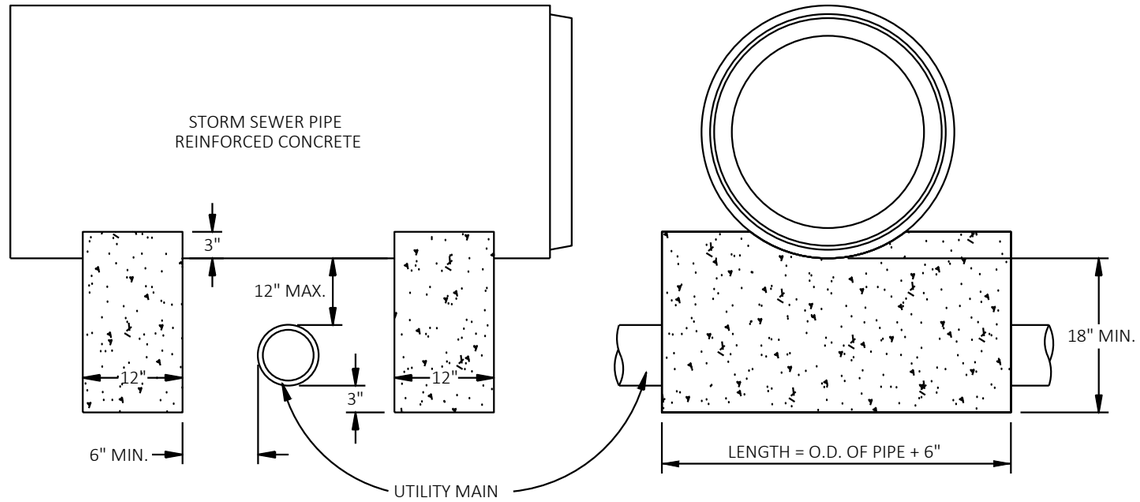
MANOLE COVER TYPE SPECIAL LOGO (SL) DETAIL



PIPE INSULATION DETAIL

2

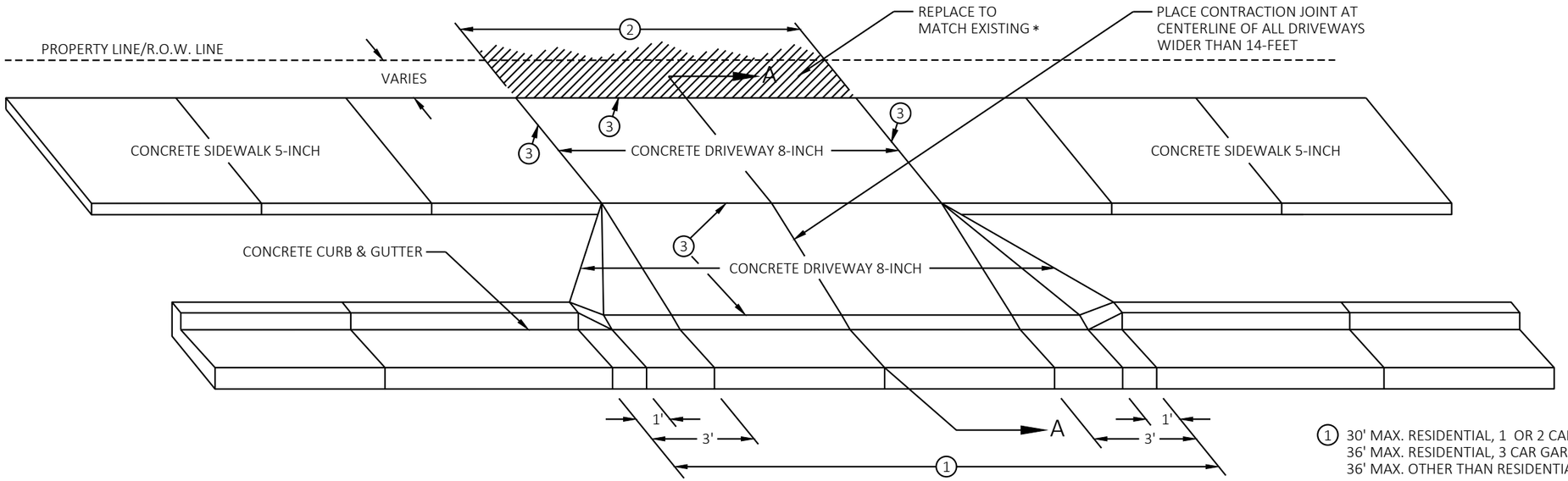




NOTE:
1. FIELD POURED, CONCRETE PIPE SUPPORT SHALL BE INSTALLED FOR STORM SEWERS WHEN CLEARANCE BETWEEN BOTTOM OF PIPE AND TOP OF CROSSING PIPE IS 12-INCHES OR LESS.

CONCRETE PIPE SUPPORT DETAIL

2

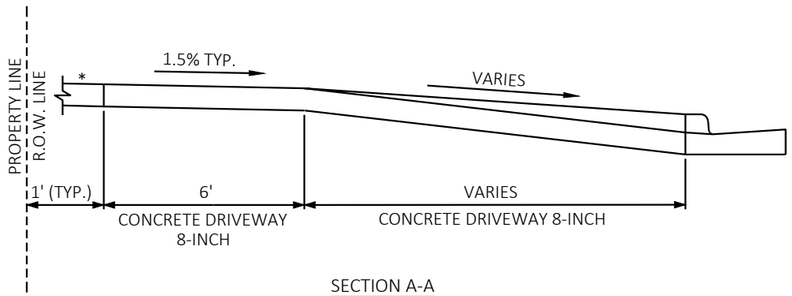


1. 30' MAX. RESIDENTIAL, 1 OR 2 CAR GARAGE
   36' MAX. RESIDENTIAL, 3 CAR GARAGE
   36' MAX. OTHER THAN RESIDENTIAL
2. 24' MAX. RESIDENTIAL, 1 OR 2 CAR GARAGE
   30' MAX. RESIDENTIAL, 3 CAR GARAGE
   30' MAX. OTHER THAN RESIDENTIAL
3. 1/2-INCH EXPANSION JOINT MATERIAL

*NOTES FOR REPLACING DRIVEWAYS:

1. ASPHALT: 2-INCHES ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

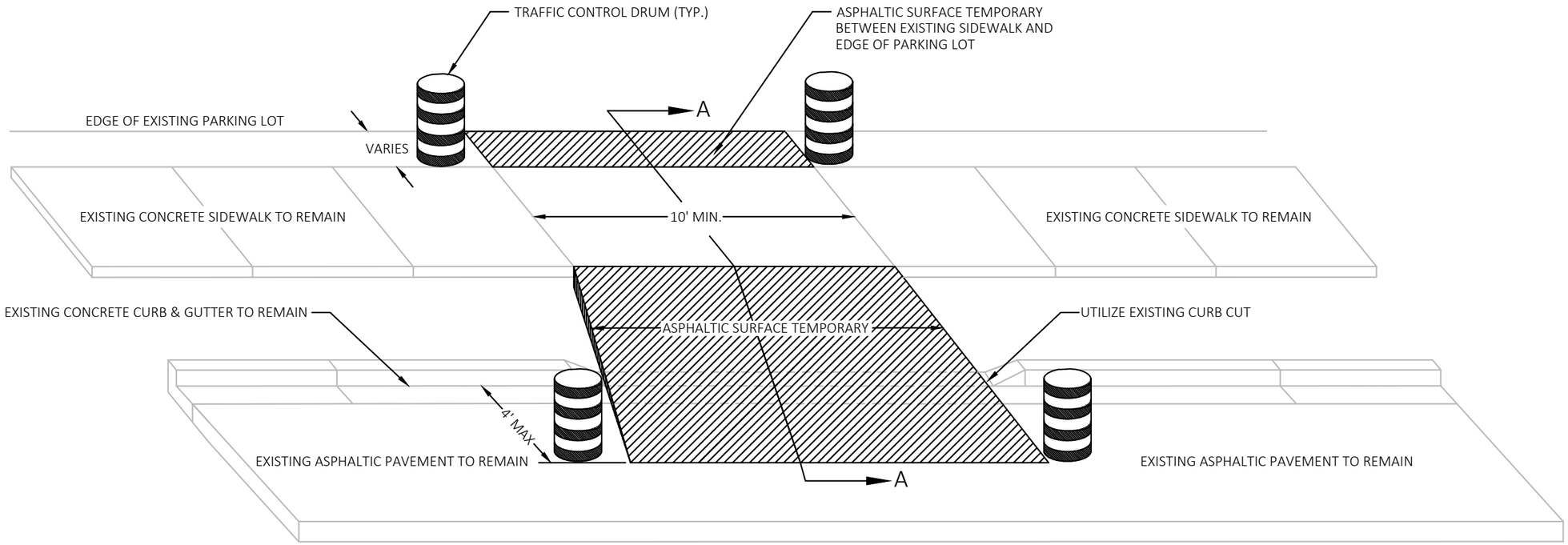
2. CONCRETE: CONCRETE DRIVEWAY 8-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH



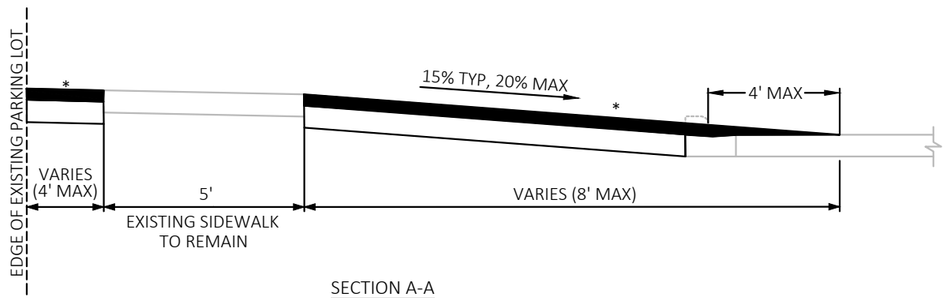
SECTION A-A

DRIVEWAY APPROACH DETAIL

2

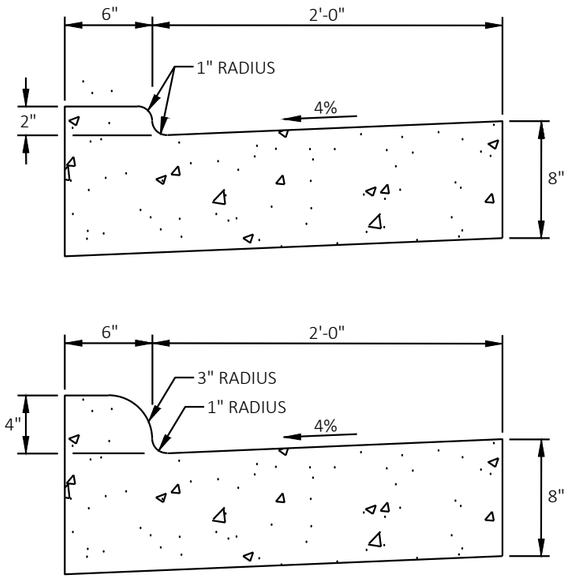


* 2-INCHES ASPHALTIC SURFACE TEMPORARY OVER
6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH



SECTION A-A

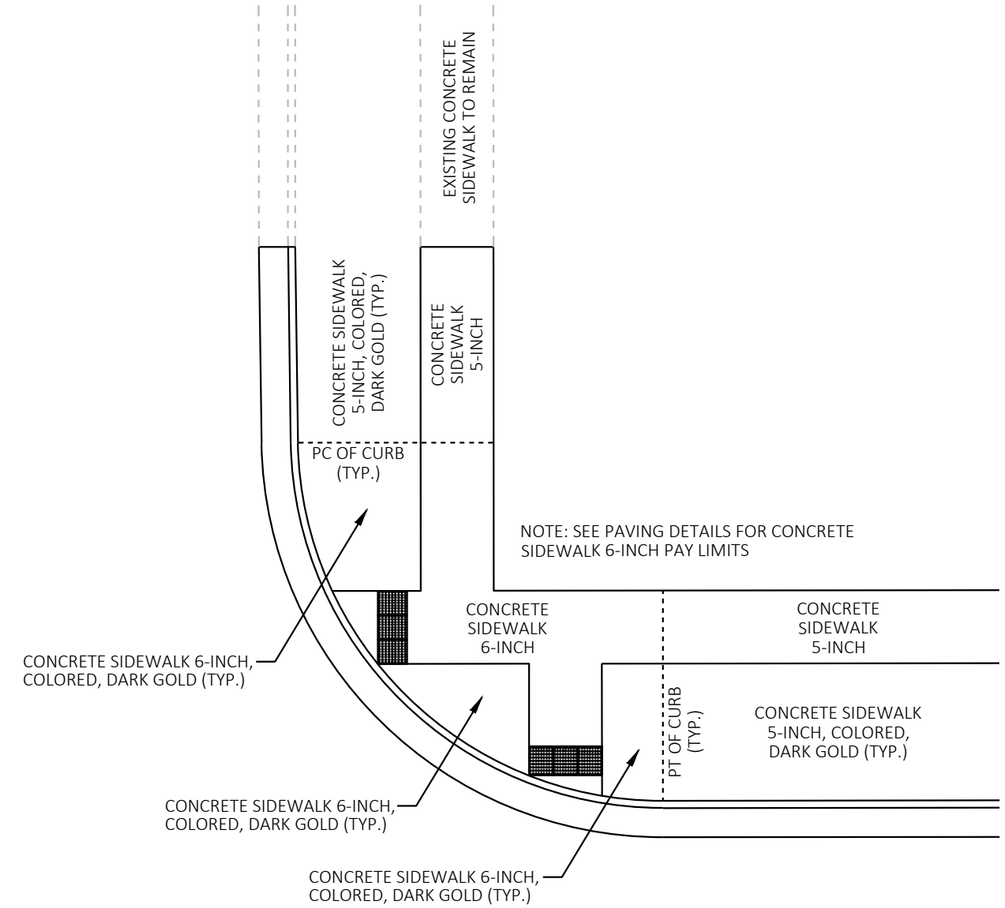
TEMPORARY DRIVEWAY DETAIL
STA. 27+65, 145' RT.



NOTES:

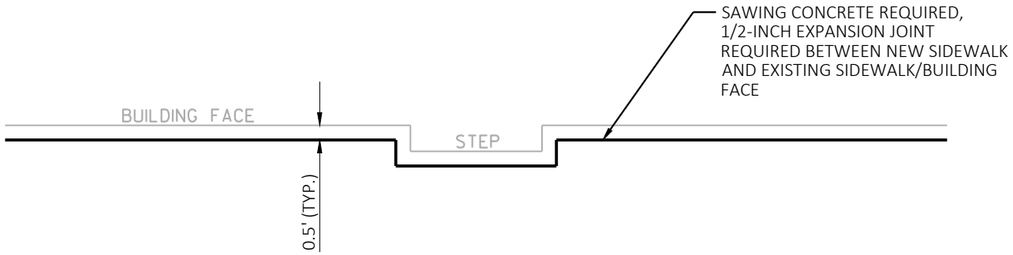
1. TIE BARS ARE INCIDENTAL TO "CONCRETE CURB & GUTTER 30-INCH TYPE K SPECIAL (2-INCH CURB HEAD HEIGHT)" AND "CONCRETE CURB & GUTTER 30-INCH TYPE K SPECIAL (4-INCH CURB HEAD HEIGHT)" BID ITEMS.
2. SEE CURB RAMP DETAILS FOR LOCATIONS.
3. IF NOT SHOWN DIFFERENTLY IN CURB RAMP DETAILS, CONSTRUCT CURB & GUTTER WITH 6-INCH CURB HEAD HEIGHT.

CONCRETE CURB & GUTTER 30-INCH TYPE K SPECIAL (2-INCH CURB HEAD HEIGHT) AND CONCRETE CURB & GUTTER 30-INCH TYPE K SPECIAL (4-INCH CURB HEAD HEIGHT) DETAILS



CONCRETE SIDEWALK 6-INCH PAY LIMITS DETAIL

2



NOTES:

1. REMOVAL OF CONCRETE SIDEWALK WHERE BUILDINGS ABUT THE RIGHT-OF-WAY, OR CONSTRUCTION LIMITS, SHALL INCLUDE PERFORMING A FULL DEPTH SAWCUT APPROXIMATELY 6-INCHES FROM THE BUILDING FACE.

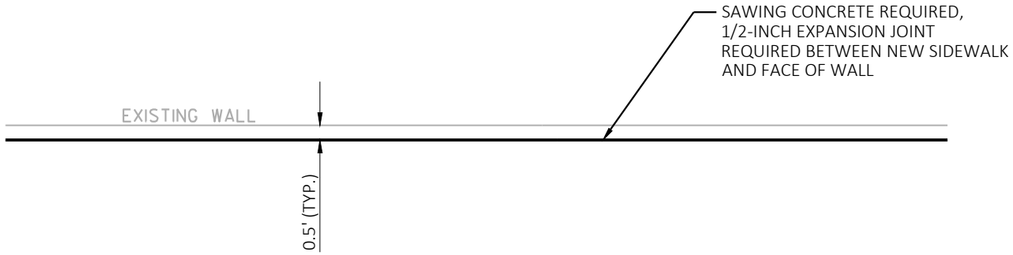
2. IF POSSIBLE, REMOVE THE REMAINING PIECES OF SIDEWALK ADJACENT TO THE BUILDINGS USING METHODS APPROVED BY THE ENGINEER.

3. DURING THE SAW CUTTING AND SIDEWALK REMOVAL, TAKE EXTREME CARE TO NOT DAMAGE THE BUILDINGS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO THE BUILDINGS.

4. SALVAGE REBARS THAT EXTEND INTO THE SIDEWALK FROM THE BUILDINGS, IF ANY, AND INCORPORATE INTO THE NEW SIDEWALK.

5. NEW STEPS OR NEW DROPS BETWEEN ENTRANCES AND SIDEWALK SHALL NOT BE ADDED AT ANY LOCATION WITHIN THE PROJECT, UNLESS APPROVED BY THE ENGINEER.

SAWING CONCRETE ALONG BUILDING DETAIL



NOTES:

1. REMOVAL OF CONCRETE SIDEWALK WHERE WALLS ABUT THE RIGHT-OF-WAY, OR CONSTRUCTION LIMITS, SHALL INCLUDE PERFORMING A FULL DEPTH SAWCUT APPROXIMATELY 6-INCHES FROM THE FACE OF WALL.

2. IF POSSIBLE, REMOVE THE REMAINING PIECES OF SIDEWALK ADJACENT TO THE WALLS USING METHODS APPROVED BY THE ENGINEER.

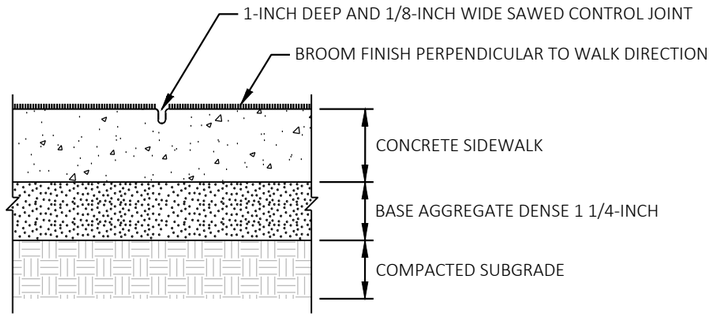
3. DURING THE SAW CUTTING AND SIDEWALK REMOVAL, TAKE EXTREME CARE TO NOT DAMAGE THE WALLS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO THE WALLS.

4. SALVAGE REBARS THAT EXTEND INTO THE SIDEWALK FROM THE WALLS, IF ANY, AND INCORPORATE INTO THE NEW SIDEWALK.

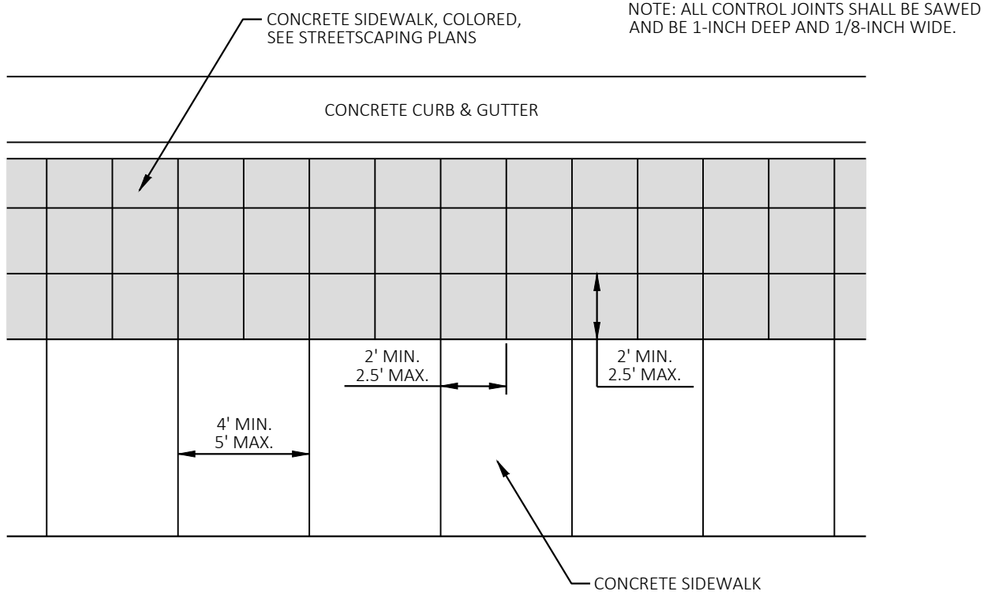
5. SUPPORT WALLS WHEN ADJACENT CONCRETE SIDEWALK IS REMOVED (INCIDENTAL TO CONCRETE SIDEWALK INSTALLATION).

SAWING CONCRETE ALONG WALL DETAIL

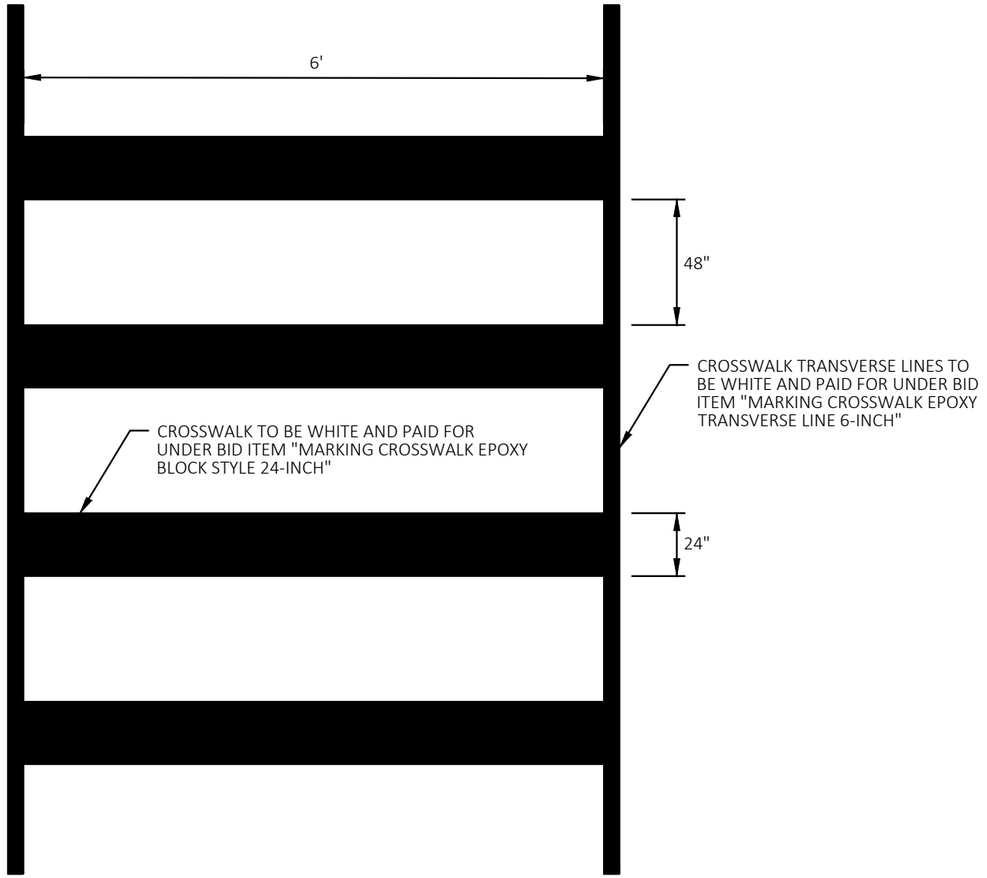
2



CONCRETE SIDEWALK CONTROL JOINT DETAIL



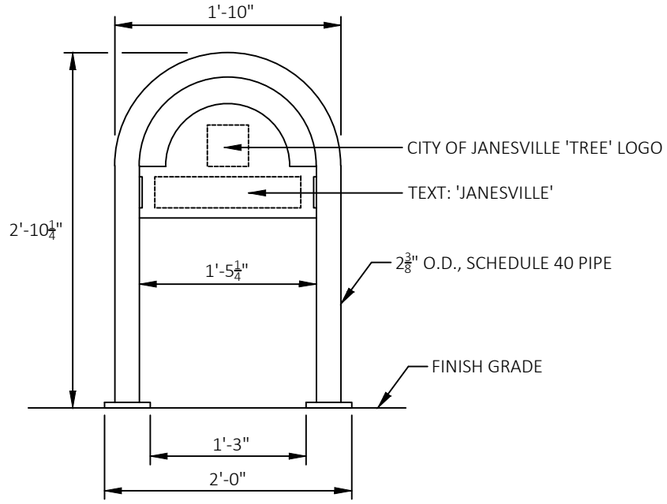
CONCRETE SIDEWALK JOINTING PATTERN DETAIL



NOTES:

1. CROSSWALKS HAVE 24-INCH WIDE, 6-FOOT LONG CROSSBARS PLACED IN LINE WITH THE TRAFFIC FLOW.
2. THE SPACING OR GAP BETWEEN THE CROSSBARS IS 48-INCHES.
3. THE CROSSBARS SHOULD BE PLACED IN A MATTER THAT MINIMIZES CONTACT WITH VEHICLES TIRES.

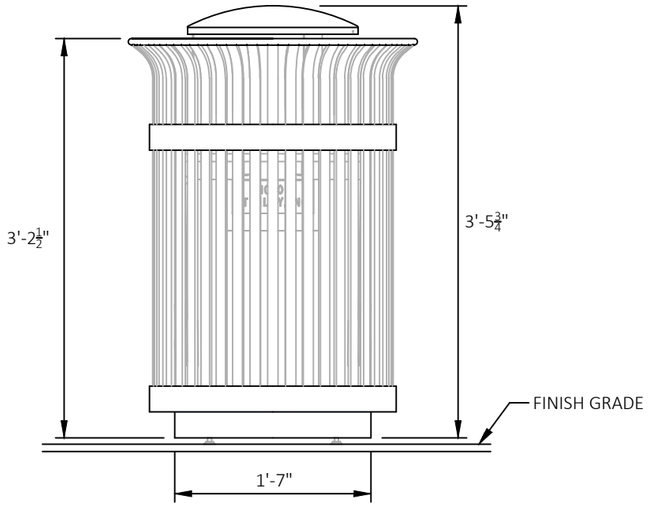
CROSSWALK PAVEMENT MARKING DETAIL



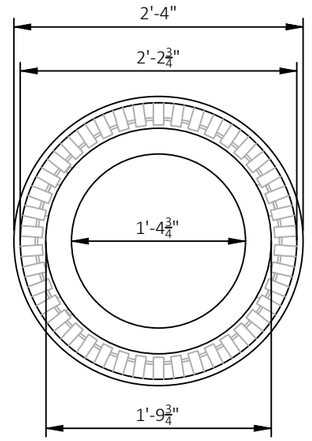
NOTE:

1. SURFACE MOUNT ATTACHMENT PER MANUFACTURER'S RECOMMENDATIONS.
2. ALL LOGOS AND TEXT SHALL BE APPROVED VIA A SHOP DRAWING SUBMITTAL BY THE CITY OF JANESVILLE PRIOR TO FABRICATION.

BICYCLE RACK DETAIL



ELEVATION

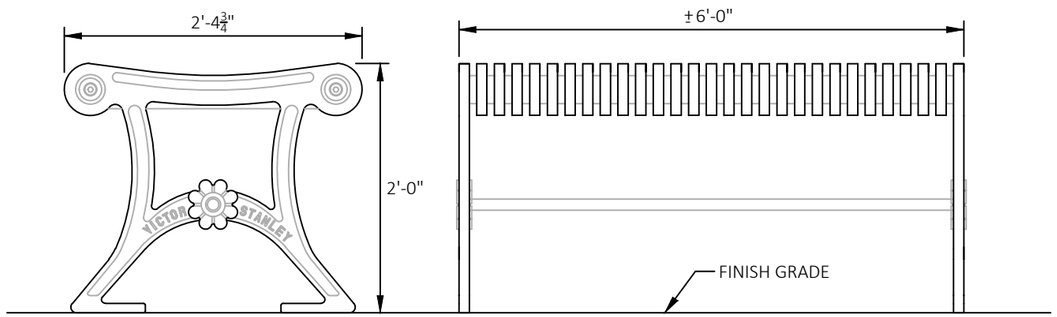


PLAN

NOTE:

1. SURFACE MOUNT ATTACHMENT PER MANUFACTURER'S RECOMMENDATIONS.

TRASH RECEPTACLE DETAIL



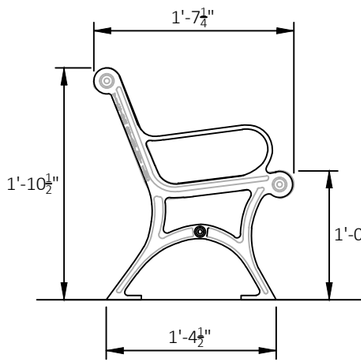
SECTION

ELEVATION

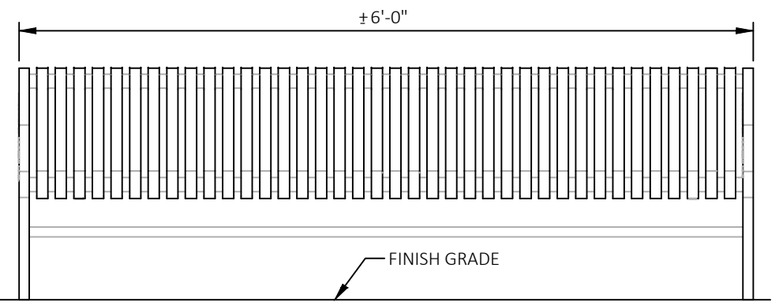
NOTE:

1. SURFACE MOUNT ATTACHMENT PER MANUFACTURER'S RECOMMENDATIONS.

BENCH, 6-FOOT, BACKLESS DETAIL



SECTION



ELEVATION

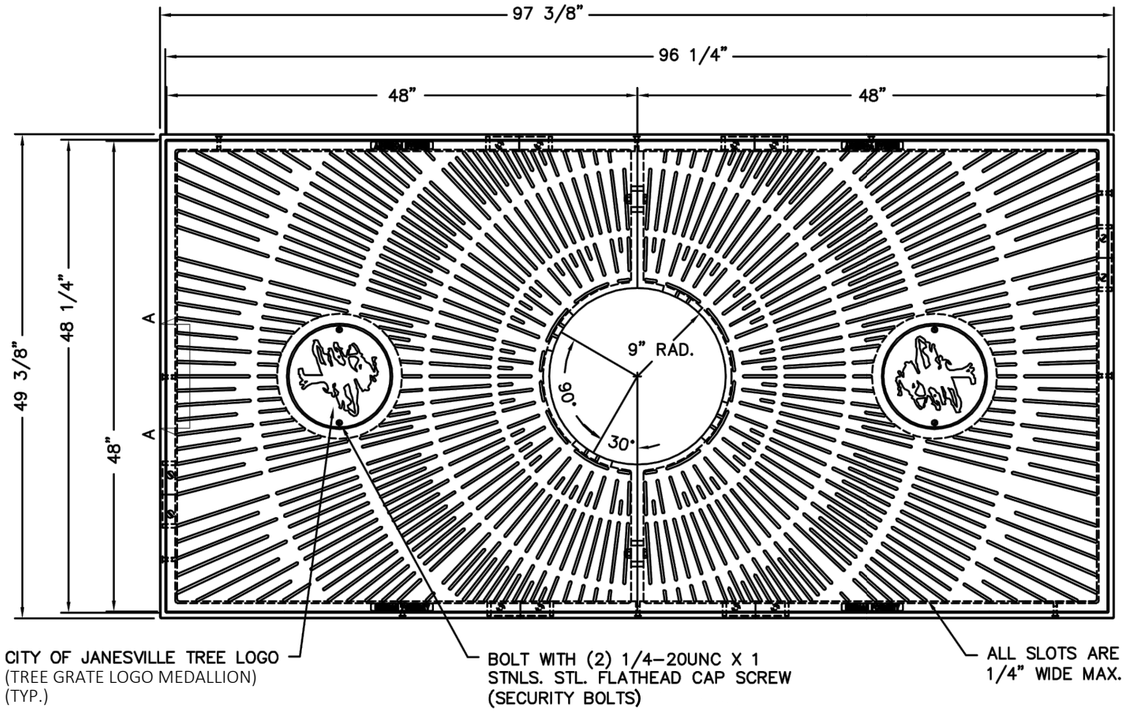
NOTE:

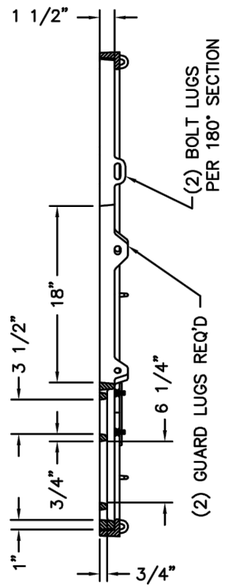
1. SURFACE MOUNT ATTACHMENT PER MANUFACTURER'S RECOMMENDATIONS.

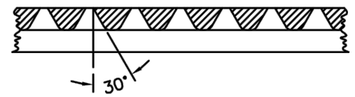
BENCH, 6-FOOT, BACKED DETAIL

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 14	E

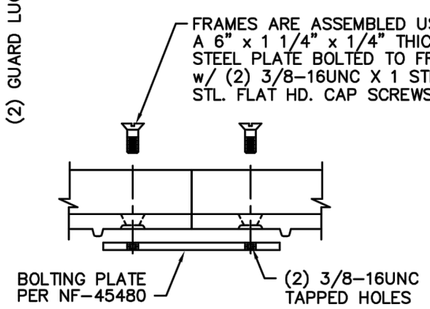
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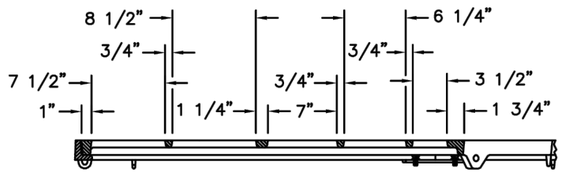


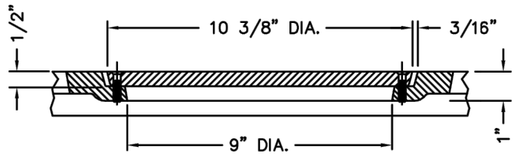


SECTION A–A



FRAME ASSEMBLY DETAIL



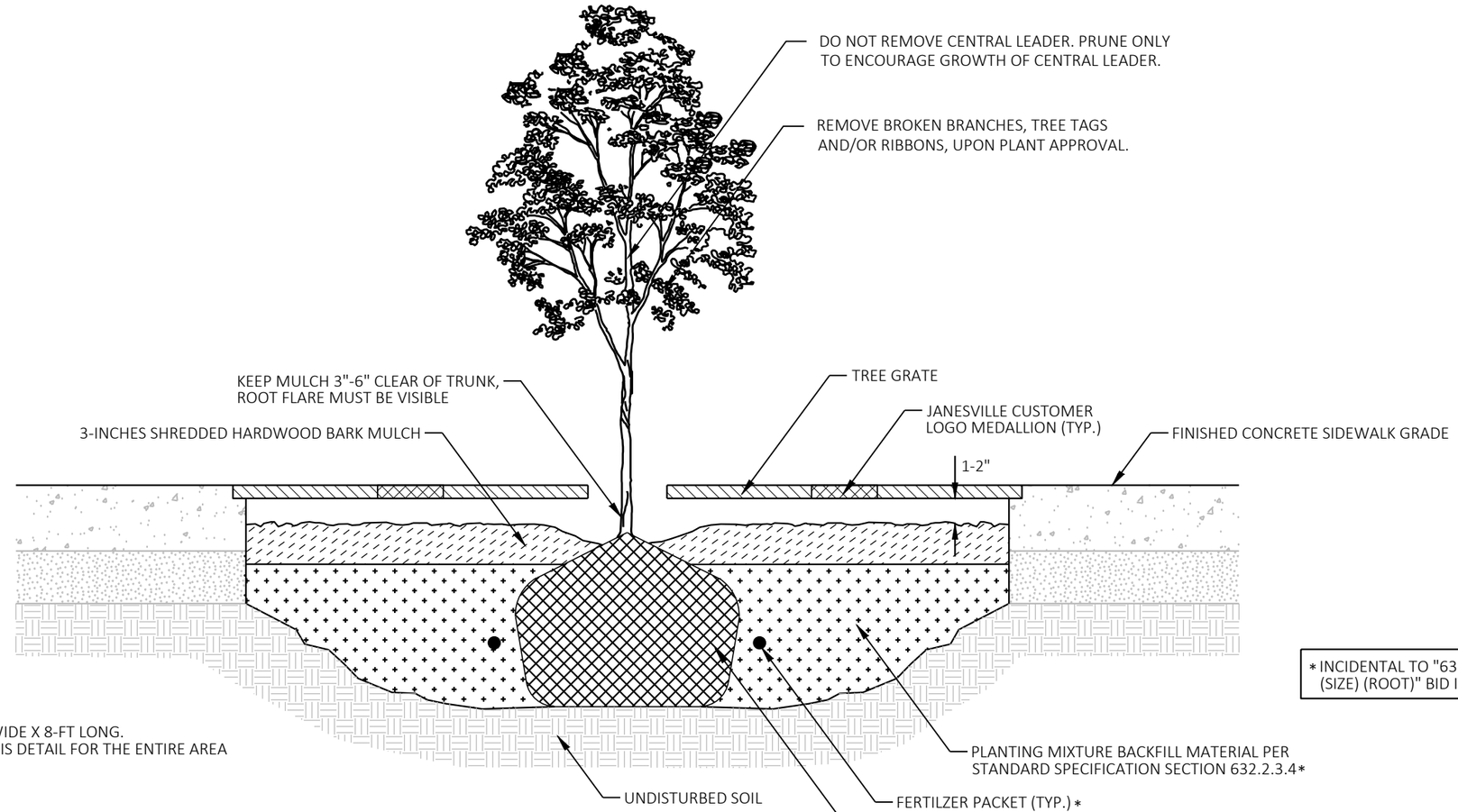


LOGO COVER DETAIL

COMPONENT NOS.: TREE GRATE (2) PCS. 8815–0010,
JANESVILLE CUSTOMER LOGO MEDALLION,
FRAME (2) PCS. 8500–7272; (2) PCS. 8500–4872;
(2) PCS. 8500–2400 STRAIGHT PC. 24" LONG
MATERIAL: CAST GRAY IRON ASTM A–48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 800# PER SET

TREE GRATE DETAIL

2

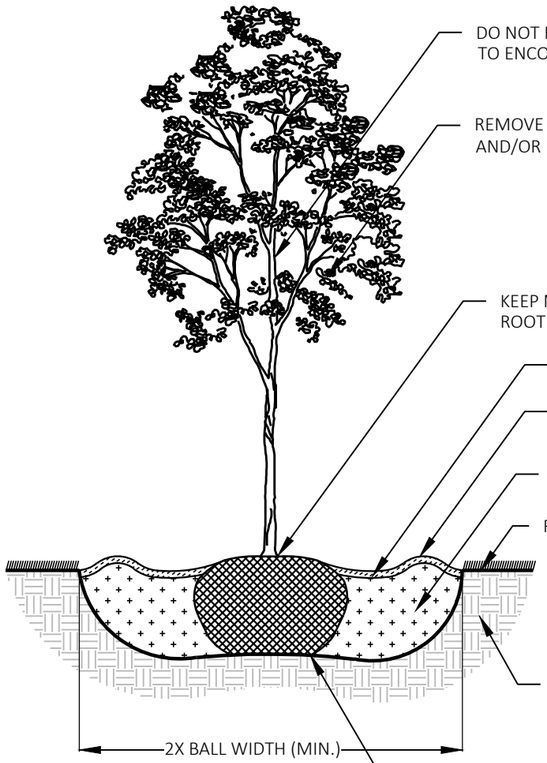


*INCIDENTAL TO "632.0101 TREES (SPECIES) (SIZE) (ROOT)" BID ITEMS

NOTE: THE TREE GRATE SIZE IS 4-FT WIDE X 8-FT LONG.
INSTALL MATERIALS AS SHOWN IN THIS DETAIL FOR THE ENTIRE AREA BELOW THE TREE GRATE.

NOTE:
1. REMOVE AND PROPERLY DISPOSE OF ANY EXCESS EXCAVATED MATERIAL
2. WRAP TRUNK WITH APPROVED TREE WRAP UP TO FIRST BRANCH. (FALL PLANTING REQUIREMENT) *

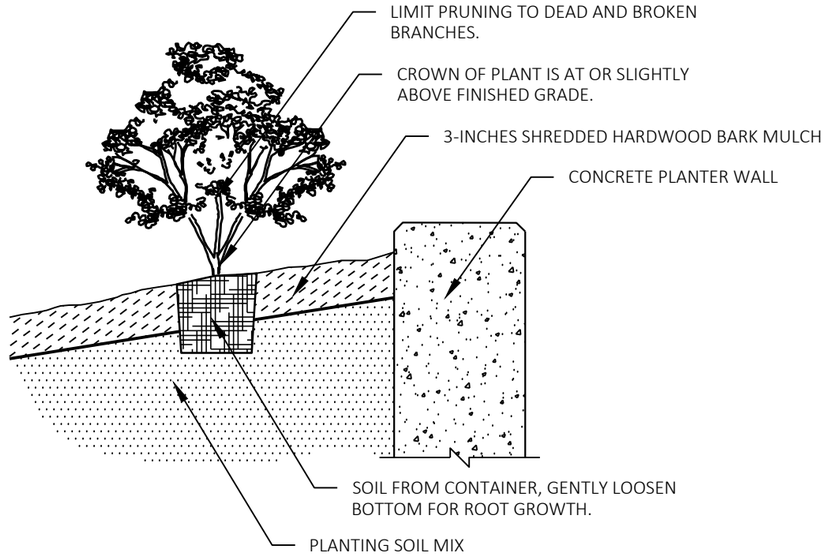
DECIDUOUS TREE PLANTING IN TREE GRATE DETAIL



*INCIDENTAL TO "632.0101 TREES (SPECIES) (SIZE) (ROOT)" BID ITEMS

NOTE:
1. REMOVE AND PROPERLY DISPOSE OF ANY EXCESS EXCAVATED MATERIAL
2. WRAP TRUNK WITH APPROVED TREE WRAP UP TO FIRST BRANCH. (FALL PLANTING REQUIREMENT)*

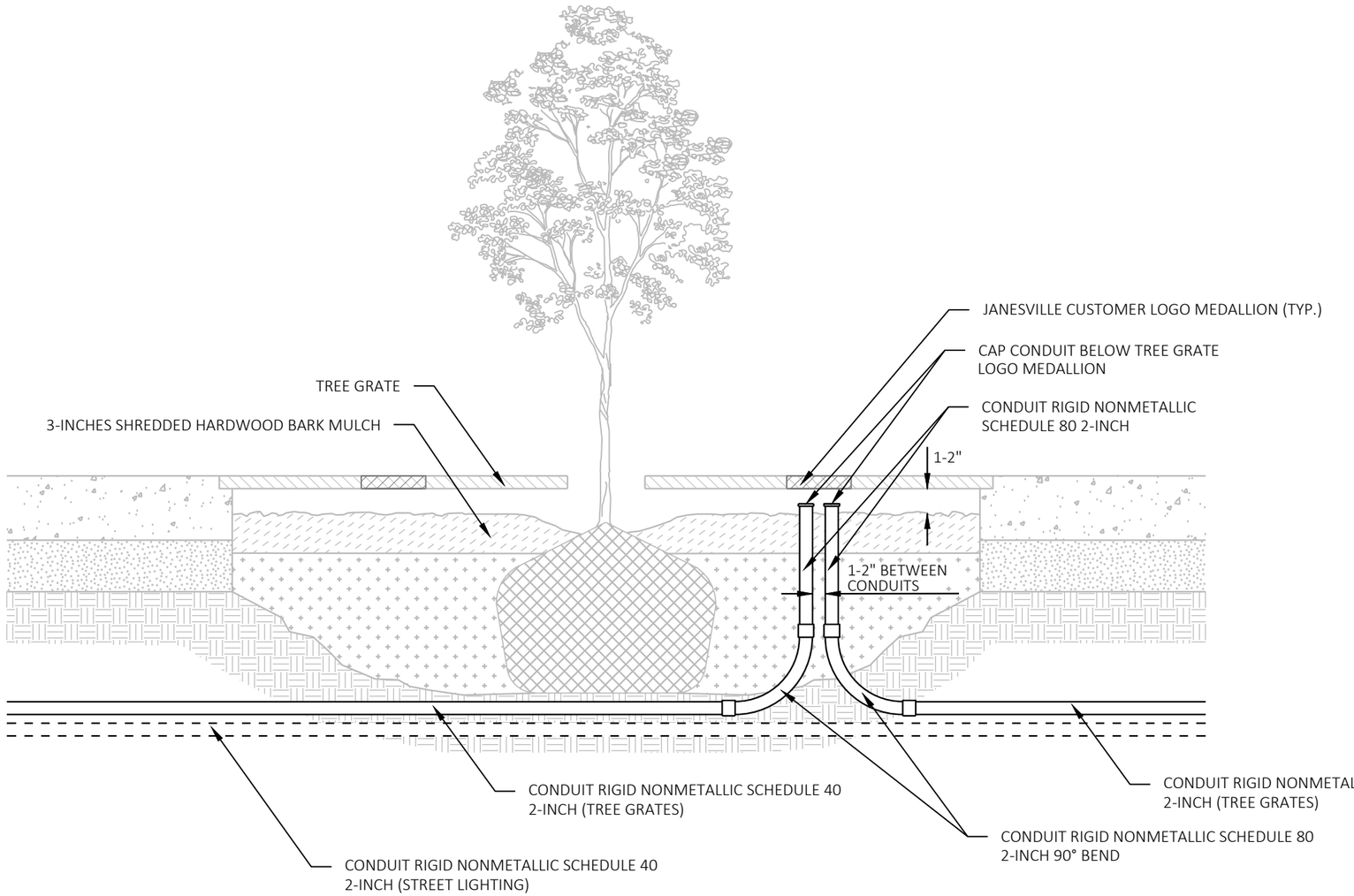
DECIDUOUS TREE PLANTING DETAIL



NOTE:
REMOVE AND PROPERLY DISPOSE OF ANY EXCESS EXCAVATED MATERIAL

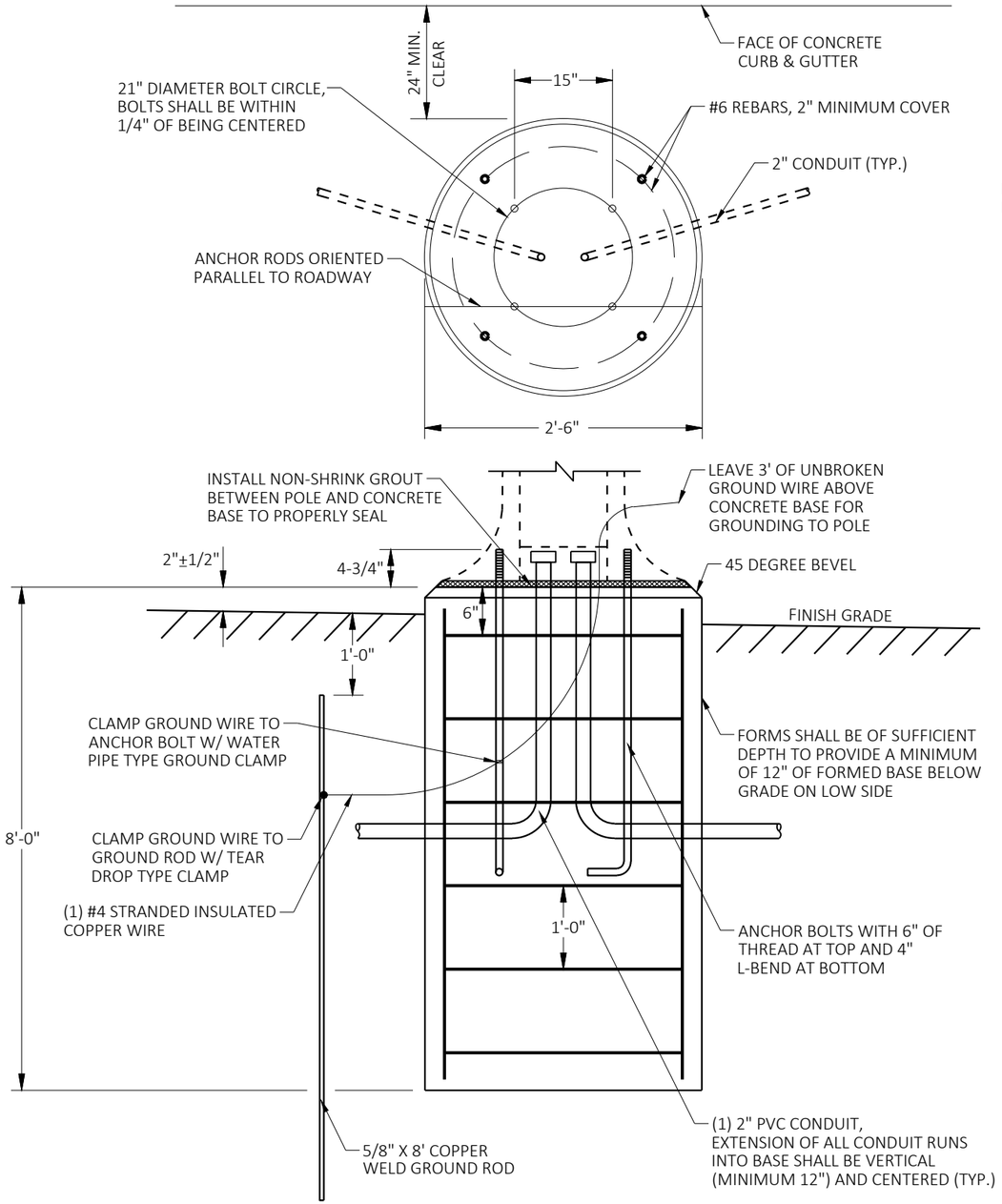
SHRUB PLANTING (CONTAINER) DETAIL

2



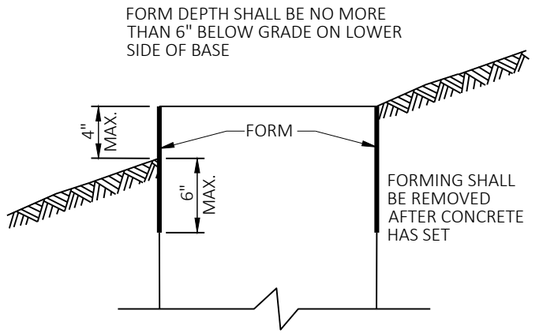
CONDUIT AT TREE GRATE DETAIL

2



NOTE: CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

CONCRETE BASE TYPE 3 SPECIAL DETAIL



FORMING DETAIL

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	0.40
LBS. OF HOOP BAR STEEL	16
LBS. OF VERTICAL BAR STEEL	18

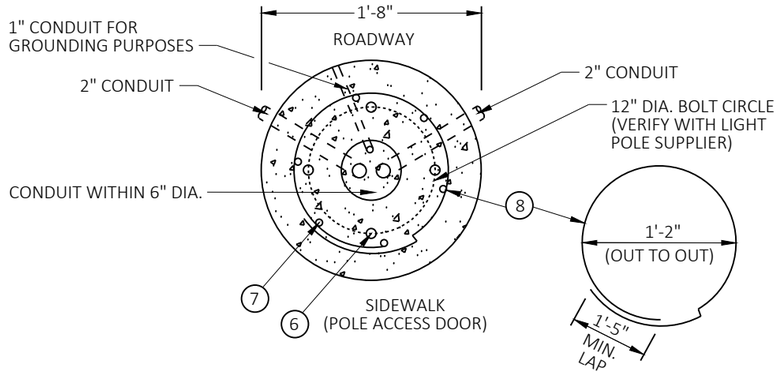
(1) THE MINIMUM DEPTH OF CONDUIT EXISTING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

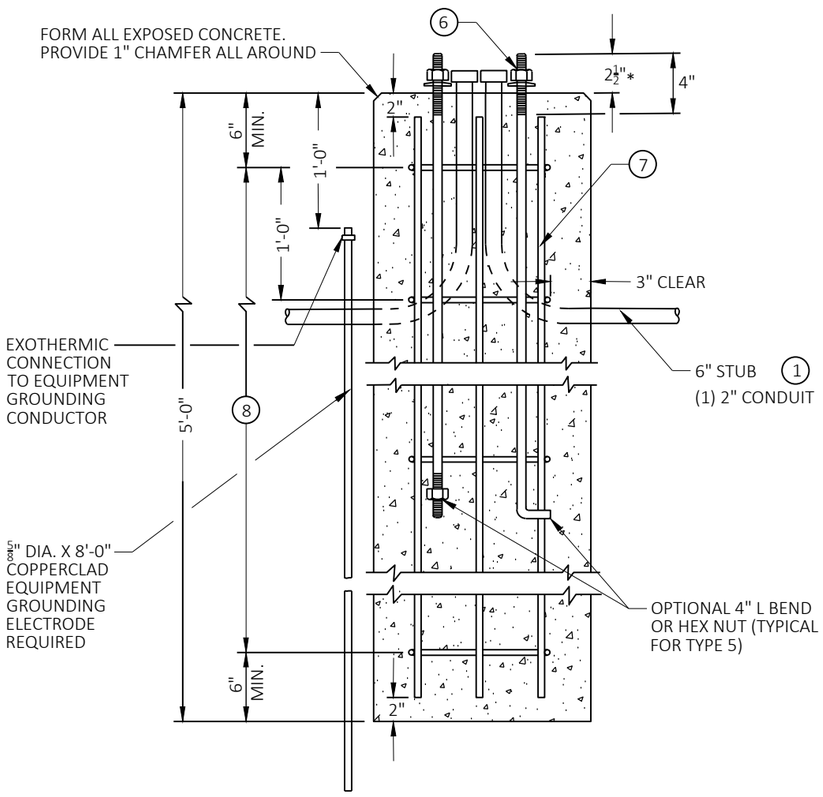
(6) (4) 3/4" OR 1" DIA. X 3'-6" ANCHOR RODS AS SPECIFIED BY POLE MANUFACTURER

(7) (6) NO. 4 X 4'-8" BAR STEEL REINFORCEMENT

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C

*ANY ANCHOR ROD PROJECTION SHORTER THAN $2\frac{1}{4}$" OR LONGER THAN $2\frac{3}{4}$" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.





CONCRETE BASE TYPE 5 SPECIAL DETAIL

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

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

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

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 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 NONMETALLIC 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.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

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

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 5 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 5 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.

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.

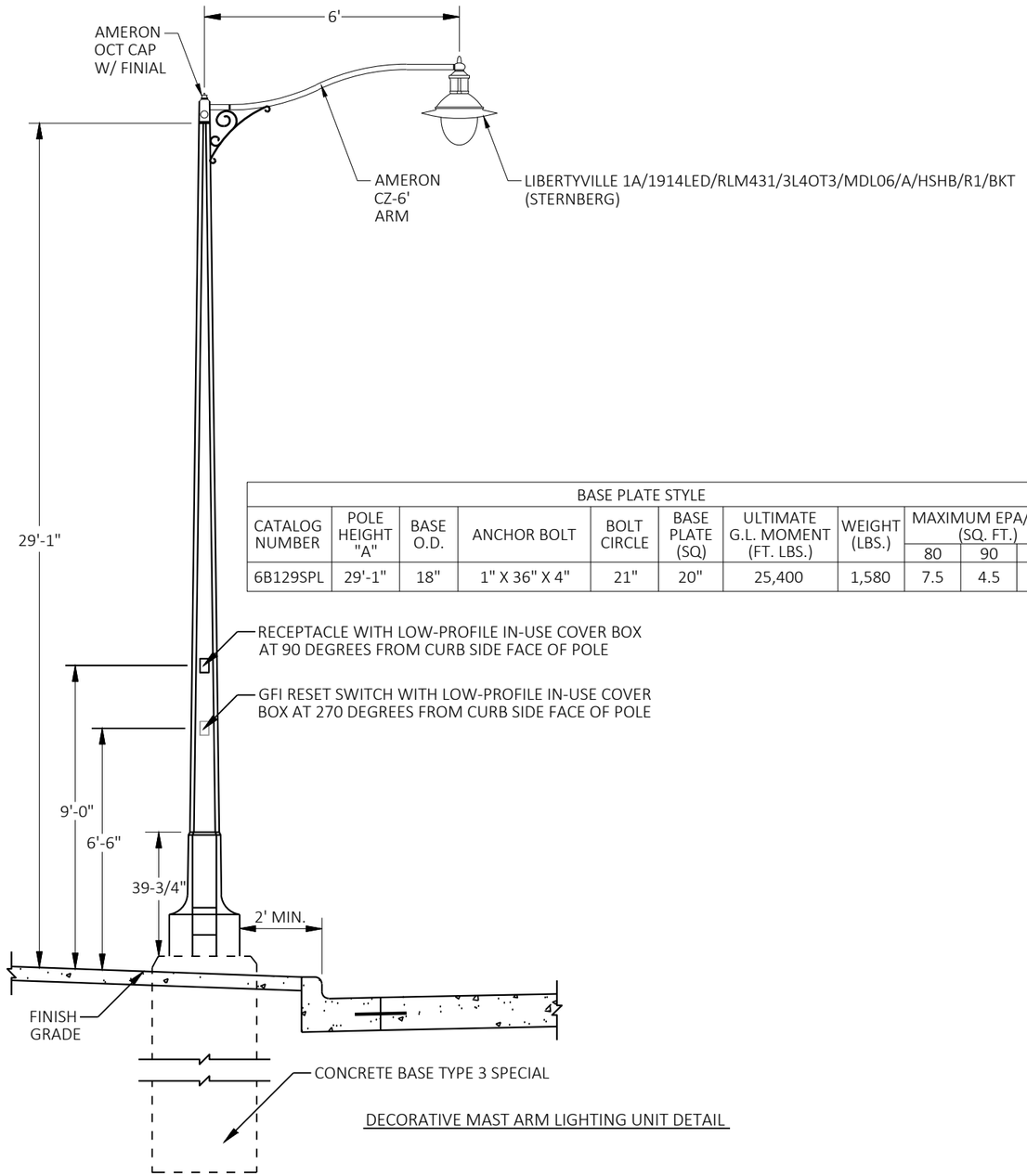
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

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

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

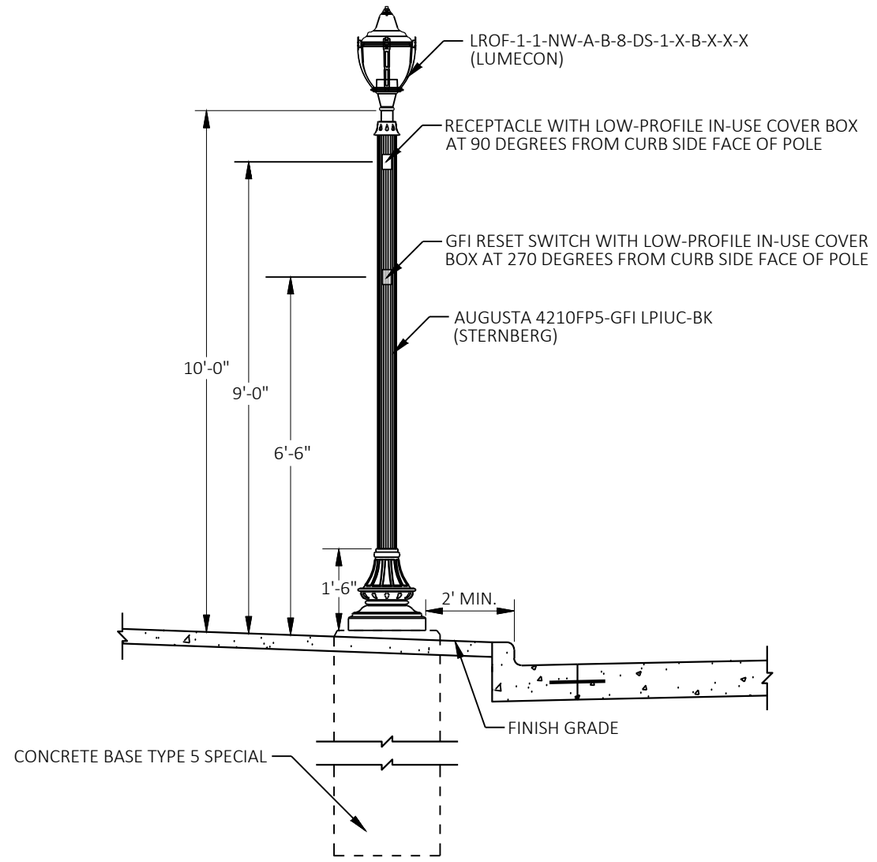
WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

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



BASE PLATE STYLE										
CATALOG NUMBER	POLE HEIGHT "A"	BASE O.D.	ANCHOR BOLT	BOLT CIRCLE	BASE PLATE (SQ)	ULTIMATE G.L. MOMENT (FT. LBS.)	WEIGHT (LBS.)	MAXIMUM EPA/MPH (SQ. FT.)		
								80	90	100
6B129SPL	29'-1"	18"	1" X 36" X 4"	21"	20"	25,400	1,580	7.5	4.5	2.5

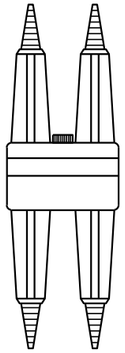
DECORATIVE MAST ARM LIGHTING UNIT DETAIL



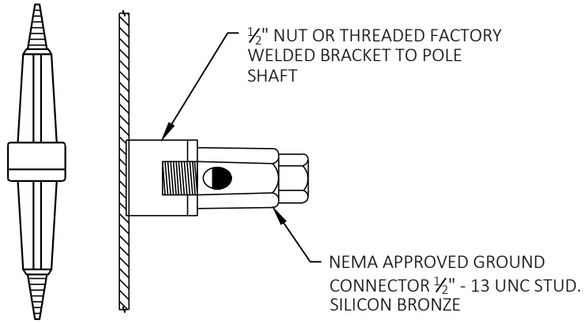
DECORATIVE POLE TOP LIGHTING UNIT DETAIL

2

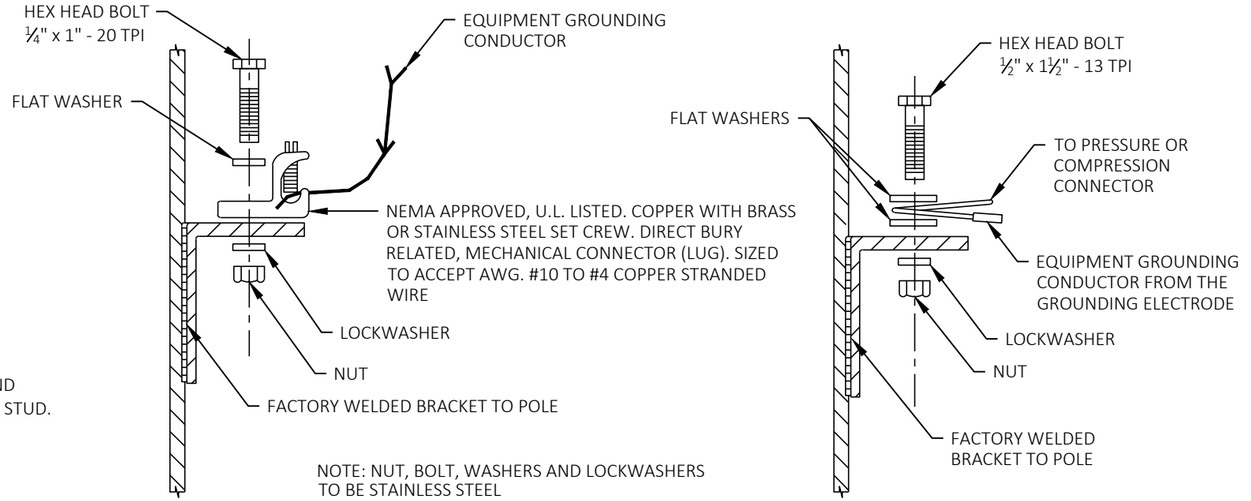
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 21 E



DETAIL 'A'
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATION BOLT

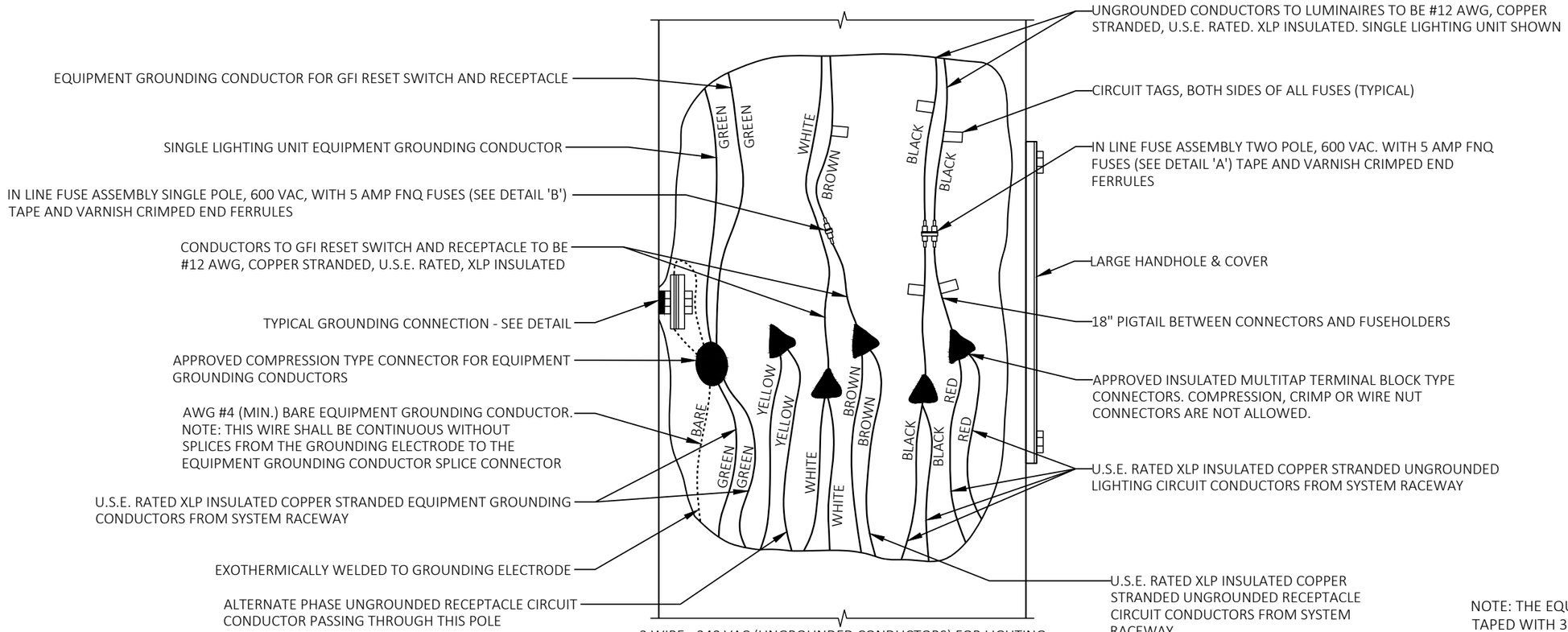


DETAIL 'B'
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATION BOLT



NOTE: NUT, BOLT, WASHERS AND LOCKWASHERS TO BE STAINLESS STEEL

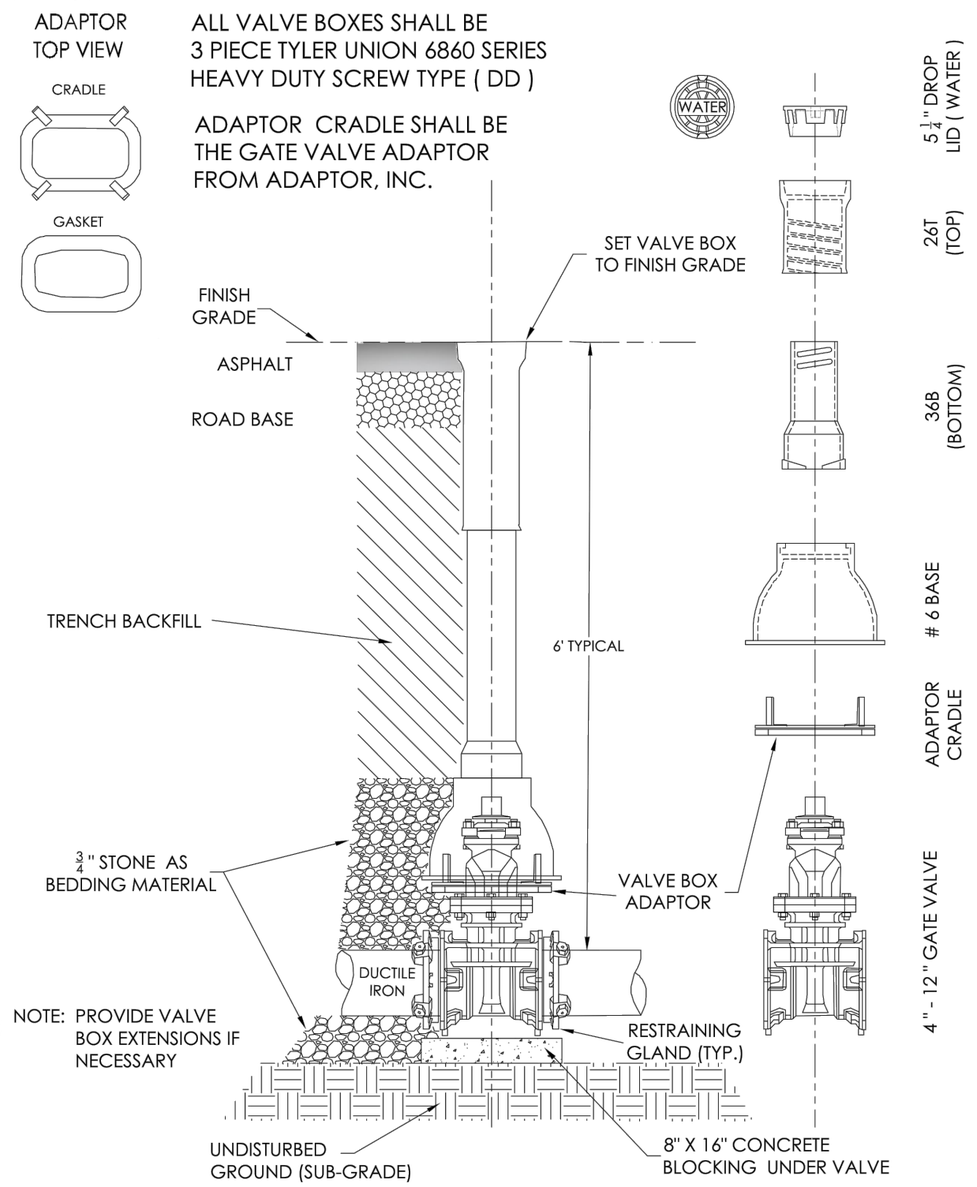
TYPICAL GROUNDING CONNECTIONS



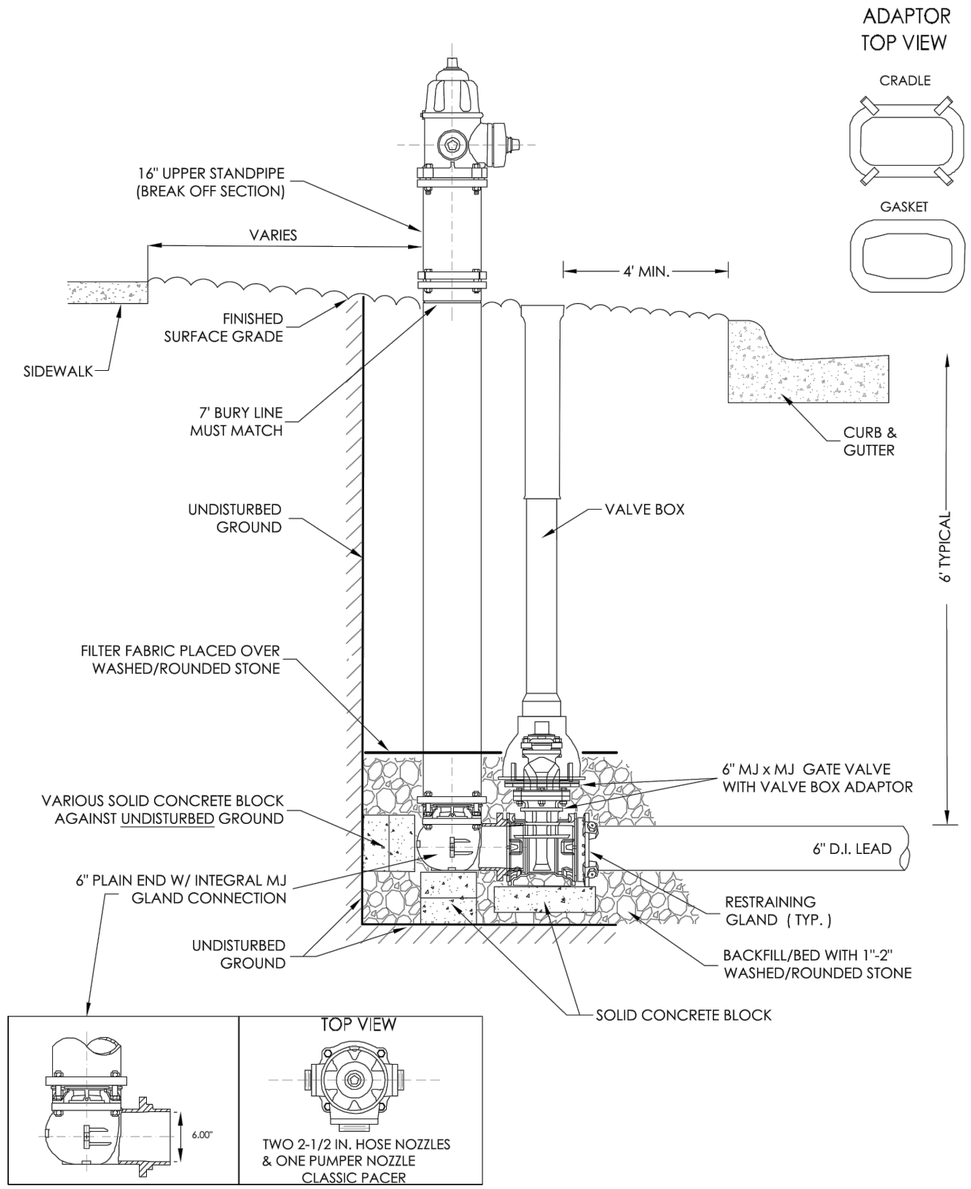
2 WIRE - 240 VAC (UNGROUNDED CONDUCTORS) FOR LIGHTING
2 WIRE - 120 VAC (UNGROUNDED CONDUCTORS) AND
1 WIRE - NEUTRAL (GROUNDED CONDUCTOR) FOR RECEPTACLES AND EQUIPMENT GROUNDING CONDUCTOR

STREET LIGHT POLE WIRING DETAIL

NOTE: THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 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.



WATERMAIN GATE VALVE WITH VALVE BOX DETAIL



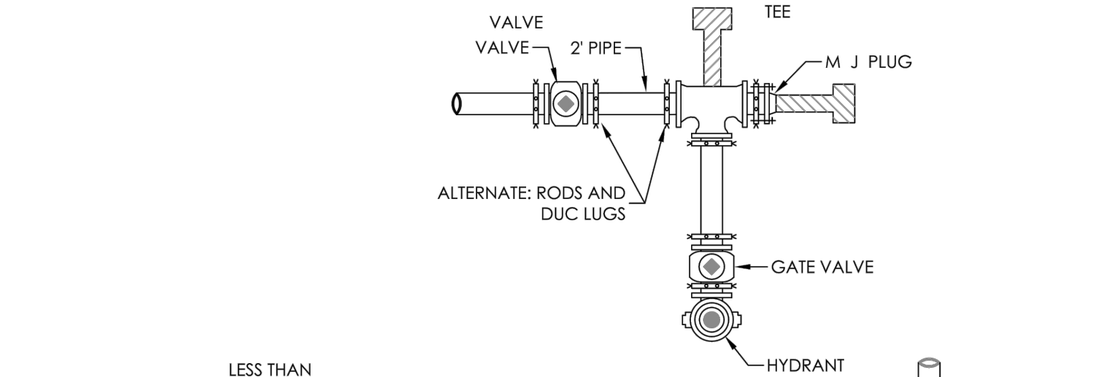
NEW HYDRANT DETAIL

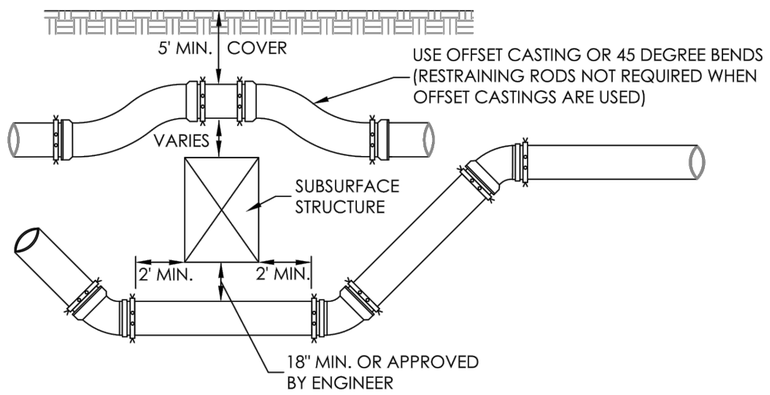
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PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 23	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 021017-cd
PLOT DATE : 4/24/2022 10:27 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2





NOTE: SEE FILE NO. 44 - 47A OF STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN FOR BLOCKING DETAILS

LEGEND



WATERMAIN PIPE RESTRAINTS DETAIL

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CONSTRUCTION DETAILS	SHEET 24 E

2

BRENNAN STEIL SC
1 E. MILWAUKEE STREET

101 E. MILWAUKEE STREET LLC
101 E. MILWAUKEE STREET

KC GROUP LLC
109 E. MILWAUKEE STREET

KIMBALL PROPERTIES 117 LLC
117 E. MILWAUKEE STREET

FARROKH SHAHLAPOUR
JALEH SHAHLAPOUR
121 E. MILWAUKEE STREET

MARIO GALASSINI
KRISTINE GALASSINI
119 E. MILWAUKEE STREET

CARRIAGE WORKS
REAL ESTATE LLC
14 N. PARKER DR.

JEVNE ARREAZOLA
PATRICIA ARREAZOLA
205 E. MILWAUKEE STREET

RM CALNAVEZ COMPANY
209 E. MILWAUKEE STREET

N. MAIN STREET

EXISTING R/W

N. PARKER DRIVE

ULO (GAS)

ULO (ELECTRIC)

BP: 16+43.79

17+00 18+00 19+00 20+00 21+00 22+00

MATCHLINE STA. 22+25

E. MILWAUKEE STREET

BEGIN PROJECT 5990-01-41
STA. 16+77.00
Y = 269,131.63
X = 493,305.36

GRAFFT IRREVOCABLE TRUST
20 E. MILWAUKEE STREET

S. MAIN STREET

ROCK COUNTY NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

ROCK COUNTY NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

APG REAL PROPERTIES LLC
1 S. PARKER DRIVE

S. PARKER DRIVE

ASPHALT

ROCK

TLE

GRASS

STEPS

DOOR

GARAGE

CONCRETE

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	OVERVIEW DETAILS	SHEET 25	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\021002-OV.DWG
LAYOUT NAME - 021002-ov

PLOT DATE : 7/24/2022 11:03 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

EXISTING R/W

PARKER PLACE

EXISTING R/W

EXISTING R/W

N. WISCONSIN STREET

EXISTING R/W

ONE PARKER PLACE LLP
215 E. MILWAUKEE STREET

AMERITECH ADVANCED DATA SERVICES
301 E. MILWAUKEE STREET

POND PROPERTIES LLC
321 E. MILWAUKEE STREET

EUGENE OAKLEY
SUZANNE OAKLEY
4 N. WISCONSIN STREET

DOOR
CONCRETE WALL
GUARD RAIL
TLE
PI: 23+60.24
PI: 24+42.69
DOOR
ULO (FIBER)
TLE
ULO (FIBER)
TLE
STEPS
GRASS
PI: 27+67.89
STEPS

MATCHLINE STA. 22+25

23+00
24+00
25+00
26+00
27+00
28+00

MATCHLINE STA. 28+25

E. MILWAUKEE STREET

TLE
GRASS
STEPS
DOOR
ASPHALT
TLE
GRASS
TLE
CONCRETE WALL
TLE
STEPS
STEPS
DOOR
ULO (GAS)
TLE
TLE
GRASS
ULO (GAS)

APG REAL PROPERTIES LLC
1 S. PARKER DRIVE

ONE PARKER PLACE LLP
300 E. MILWAUKEE STREET

FDW PROPERTIES LTD WI CORP
320 E. MILWAUKEE STREET

ONE PARKER PLACE LLP
402 E. MILWAUKEE STREET

EXISTING R/W
PARKER PLACE
EXISTING R/W
EXISTING R/W
S. WISCONSIN STREET
EXISTING R/W

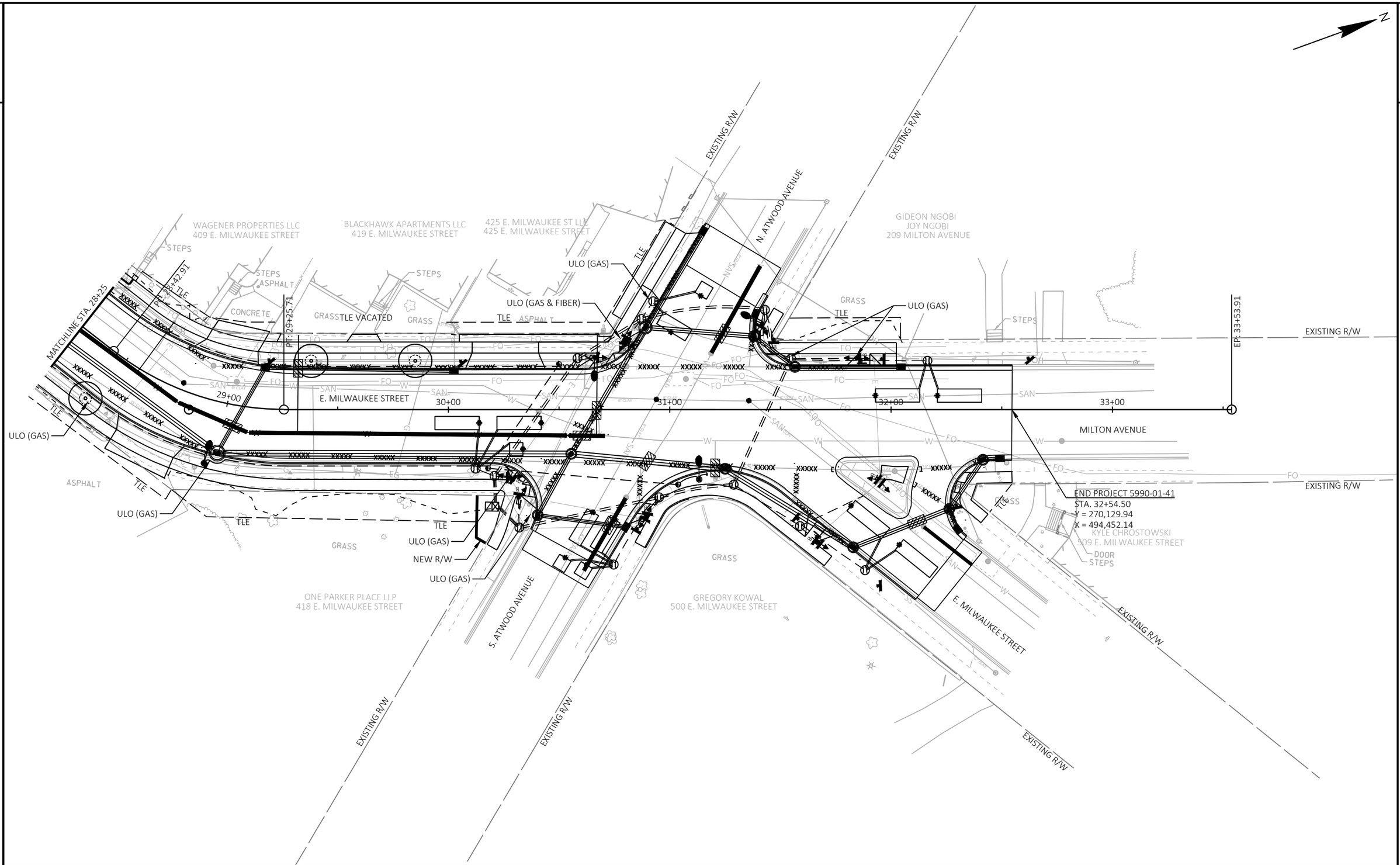
TEMPORARY DRIVEWAY, SEE CONSTRUCTION DETAILS

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	OVERVIEW DETAILS	SHEET 26	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\021002-OV.DWG
LAYOUT NAME - 021003-ov

PLOT DATE : 7/24/2022 11:03 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

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PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	OVERVIEW DETAILS	SHEET 27	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\021002-OV.DWG
LAYOUT NAME - 021004-ov

PLOT DATE : 10/24/2022 8:00 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

PAVING DETAIL NOTES

1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.
3. SIDEWALK REPLACEMENT AREAS ARE APPROXIMATE. ADJUST LIMITS IN THE FIELD TO THE NEAREST SIDEWALK JOINT LINE AS DIRECTED BY THE ENGINEER.
4. GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

PAVING DETAIL LEGEND

- CONCRETE DRIVEWAY 8-INCH
- CONCRETE PAVEMENT 8-INCH, COLORING CONCRETE CUSTOM
- CONCRETE SIDEWALK 6-INCH OR CONCRETE SIDEWALK 6-INCH, COLORED, DARK GOLD (SEE STREETSCAPING PLANS FOR LOCATIONS OF COLORED)
- (AS) 5-INCHES ASPHALTIC SURFACE OVER 15-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- (ADW) 2-INCHES ASPHALTIC DRIVEWAYS & FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- LONGITUDINAL JOINT
- MANHOLE COVER
- INLET COVER
- WATER VALVE
- DRAINAGE DIRECTION
- SAWCUT REQUIRED

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PAVING DETAILS	SHEET 28	E

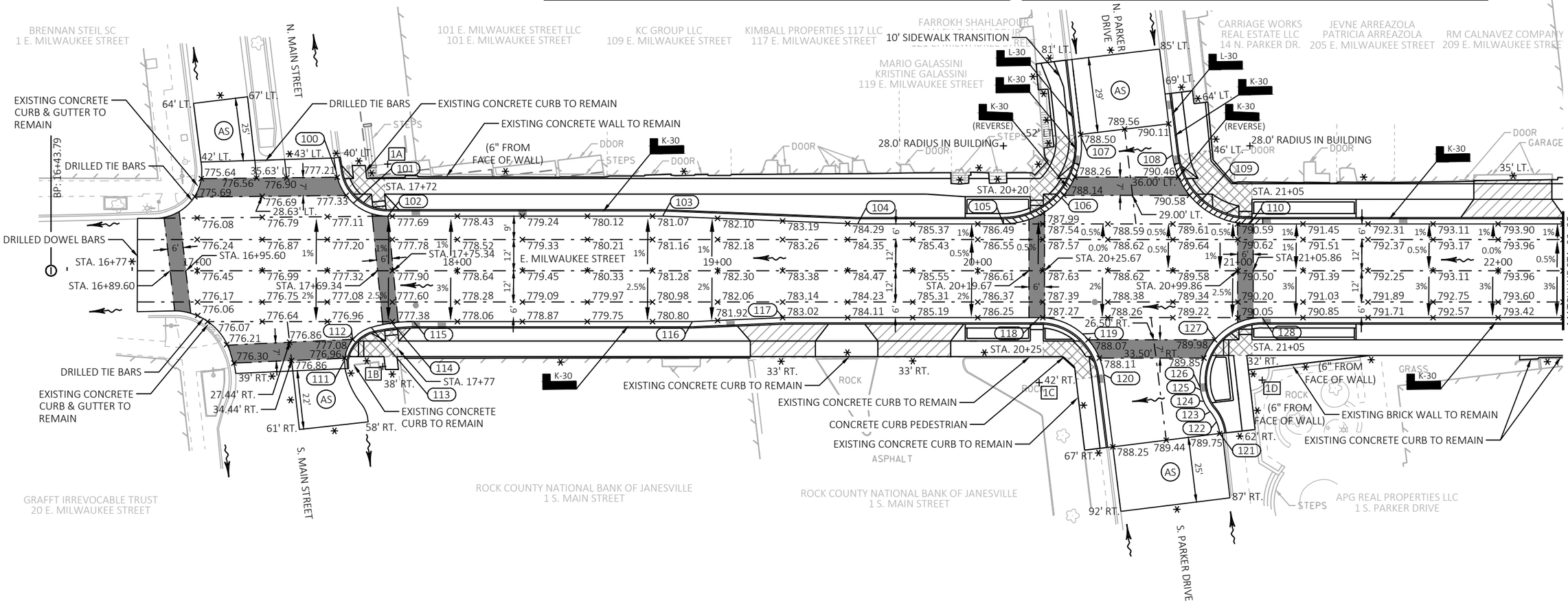
FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-pd

PLOT DATE : 7/24/2022 11:22 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	PC	17+53.32	38.38' LT	777.18	269205.02	493349.10
101	MID PT.	17+59.97	25.96' LT	777.39	269198.11	493361.38
102	PT	17+73.15	21.00' LT	777.62	269201.02	493375.16
103	BEND PT.	18+78.86	21.00' LT	781.23	269257.83	493464.30
104	BEND PT.	19+53.78	18.00' LT	784.46	269295.57	493529.09
105	PC	20+09.86	18.00' LT	786.90	269325.71	493576.39
106	MID PT.	20+32.27	28.05' LT	788.12	269346.23	493589.88
107	PT	20+39.66	51.46' LT	788.49	269369.95	493583.53

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
108	PC	20+74.79	44.47' LT	790.32	269382.94	493616.91
109	MID PT.	20+84.66	25.57' LT	790.65	269372.30	493635.39
110	PT	21+04.58	18.00' LT	790.72	269376.62	493656.26
111	PC	17+56.65	34.35' RT	776.95	269145.47	493390.99
112	MID PT.	17+59.73	26.43' RT	777.08	269153.81	493389.33
113	PT/PC	17+66.82	21.75' RT	777.21	269161.57	493392.80
114	MID PT.	17+74.93	20.06' RT	777.32	269167.35	493398.73
115	PT	17+83.20	19.50' RT	777.62	269172.26	493405.40

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
116	BEND PT.	18+90.36	19.50' RT	781.48	269229.86	493495.76
117	BEND PT.	19+25.36	18.00' RT	783.04	269249.94	493524.48
118	PC	20+23.61	18.00' RT	787.21	269302.74	493607.33
119	MID PT.	20+40.15	24.25' RT	788.06	269306.36	493624.63
120	PT	20+48.41	39.88' RT	788.13	269297.62	493640.01
121	PC	20+92.96	62.54' RT	789.75	269302.46	493689.75
122	MID PT.	20+91.75	58.04' RT	789.71	269305.60	493686.31
123	PT/PC	20+89.29	54.08' RT	789.70	269307.62	493682.11



CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
124	MID PT.	20+86.85	50.17' RT	789.68	269309.60	493677.95
125	PT	20+85.63	45.74' RT	789.66	269312.69	493674.54
126	PC	20+85.54	44.98' RT	789.66	269313.27	493674.05
127	MID PT.	20+91.36	26.12' RT	789.99	269332.31	493668.82
128	PT	21+09.35	18.00' RT	790.33	269348.83	493679.63

CURB & GUTTER RADIUS POINT TABLE					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
1A	18.0'	17+73.15	41.00' LT	269217.88	493364.41
1B	14.0'	17+71.34	36.77' RT	269151.33	493404.68
1C	23.0'	20+23.61	43.00' RT	269281.66	493620.76
1D	22.0'	21+09.35	42.00' RT	269328.59	493692.53

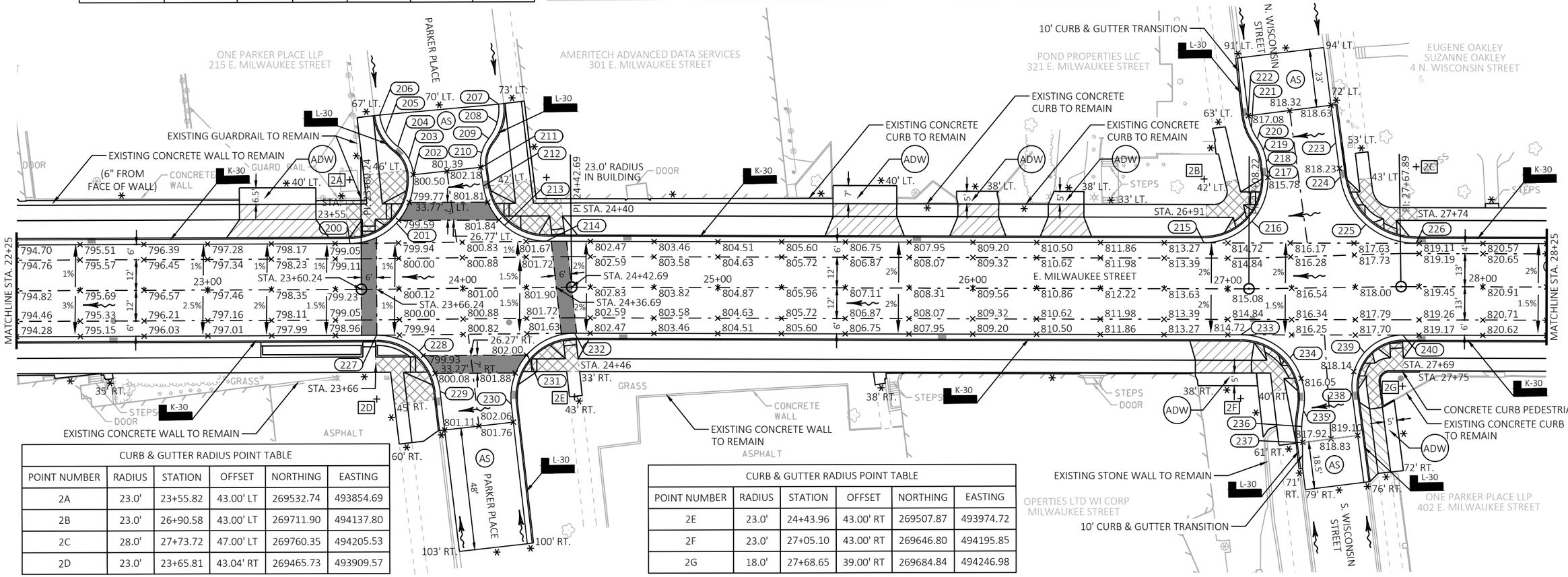
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PAVING DETAILS	SHEET 29	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021202-pd
PLOT DATE : 7/24/2022 11:22 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	PC	23+55.82	18.00' LT	799.26	269511.66	493868.13
201	MID PT.	23+74.25	25.84' LT	799.57	269528.16	493879.27
202	PT/PC	23+81.05	44.55' LT	800.48	269547.56	493874.82
203	MID PT.	23+79.29	50.92' LT	800.92	269551.96	493869.89
204	PT/PC	23+75.13	55.80' LT	801.34	269553.80	493863.75
205	MID PT.	23+70.33	61.30' LT	801.82	269555.82	493856.72
206	PT	23+68.11	68.27' LT	802.30	269560.46	493851.08

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
207	PC	24+14.81	72.06' LT	803.61	269588.99	493888.25
208	MID PT.	24+14.18	64.93' LT	803.22	269582.67	493891.58
209	PT/PC	24+10.82	58.62' LT	802.83	269575.54	493892.19
210	MID PT.	24+08.00	53.25' LT	802.50	269569.50	493892.73
211	PT	24+07.53	47.20' LT	802.17	269564.16	493895.62
212	PC	24+08.45	39.97' LT	801.78	269558.59	493900.32
213	MID PT.	24+16.61	24.47' LT	801.85	269550.00	493915.58

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
214	PT	24+32.93	18.13' LT	801.93	269553.53	493932.74
215	PC	26+90.58	18.00' LT	814.17	269690.73	494151.10
216	MID PT.	27+09.80	26.47' LT	815.15	269707.91	494162.48
217	PT	27+16.15	46.08' LT	815.98	269727.80	494157.09
218	PC	27+15.76	49.53' LT	816.26	269730.48	494154.88
219	MID PT.	27+14.63	54.28' LT	816.46	269733.84	494151.33
220	PT/PC	27+12.38	58.61' LT	816.66	269736.24	494147.08



CURB & GUTTER RADIUS POINT TABLE					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
2A	23.0'	23+55.82	43.00' LT	269532.74	493854.69
2B	23.0'	26+90.58	43.00' LT	269711.90	494137.80
2C	28.0'	27+73.72	47.00' LT	269760.35	494205.53
2D	23.0'	23+65.81	43.04' RT	269465.73	493909.57

CURB & GUTTER RADIUS POINT TABLE					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
2E	23.0'	24+43.96	43.00' RT	269507.87	493974.72
2F	23.0'	27+05.10	43.00' RT	269646.80	494195.85
2G	18.0'	27+68.65	39.00' RT	269684.84	494246.98

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
221	MID PT.	27+10.10	63.02' LT	816.87	269738.69	494142.77
222	PT	27+08.96	68.04' LT	817.08	269742.27	494139.07
223	BEND PT.	27+43.12	56.76' LT	818.39	269751.48	494173.85
224	PC	27+44.72	43.34' LT	818.18	269741.11	494182.51
225	MID PT.	27+54.40	24.63' LT	818.50	269730.72	494200.84
226	PT	27+73.72	17.00' LT	819.04	269734.95	494221.49
227	PC	23+65.97	18.04' RT	799.59	269486.82	493896.13

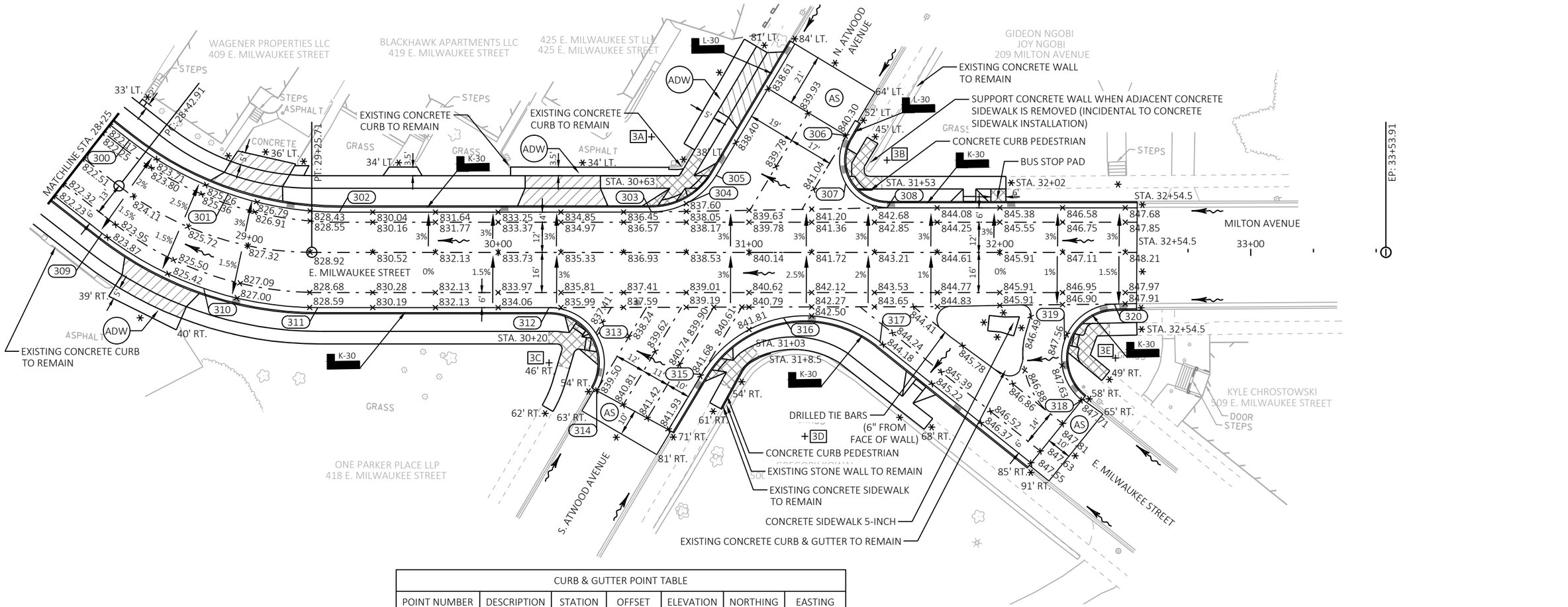
CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
228	MID PT.	23+82.56	24.47' RT	799.90	269490.41	493913.56
229	PT	23+90.66	40.32' RT	800.50	269481.51	493928.96
230	PC	24+18.54	45.59' RT	801.86	269492.21	493955.24
231	MID PT.	24+24.94	26.15' RT	802.00	269512.01	493950.07
232	PT	24+43.96	18.00' RT	802.26	269529.04	493961.42
233	PC	27+05.10	18.00' RT	814.84	269667.97	494182.55
234	MID PT.	27+23.88	27.29' RT	815.91	269670.56	494203.63

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
235	PT/PC	27+28.88	47.93' RT	816.97	269656.00	494219.09
236	MID PT.	27+28.11	54.22' RT	817.44	269650.31	494221.89
237	PT	27+28.35	60.56' RT	817.92	269645.13	494225.54
238	PC	27+48.13	41.31' RT	818.10	269672.06	494231.60
239	MID PT.	27+53.17	25.58' RT	818.27	269687.99	494227.24
240	PT	27+68.65	19.00' RT	818.80	269701.77	494236.34

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PAVING DETAILS	SHEET 30	E

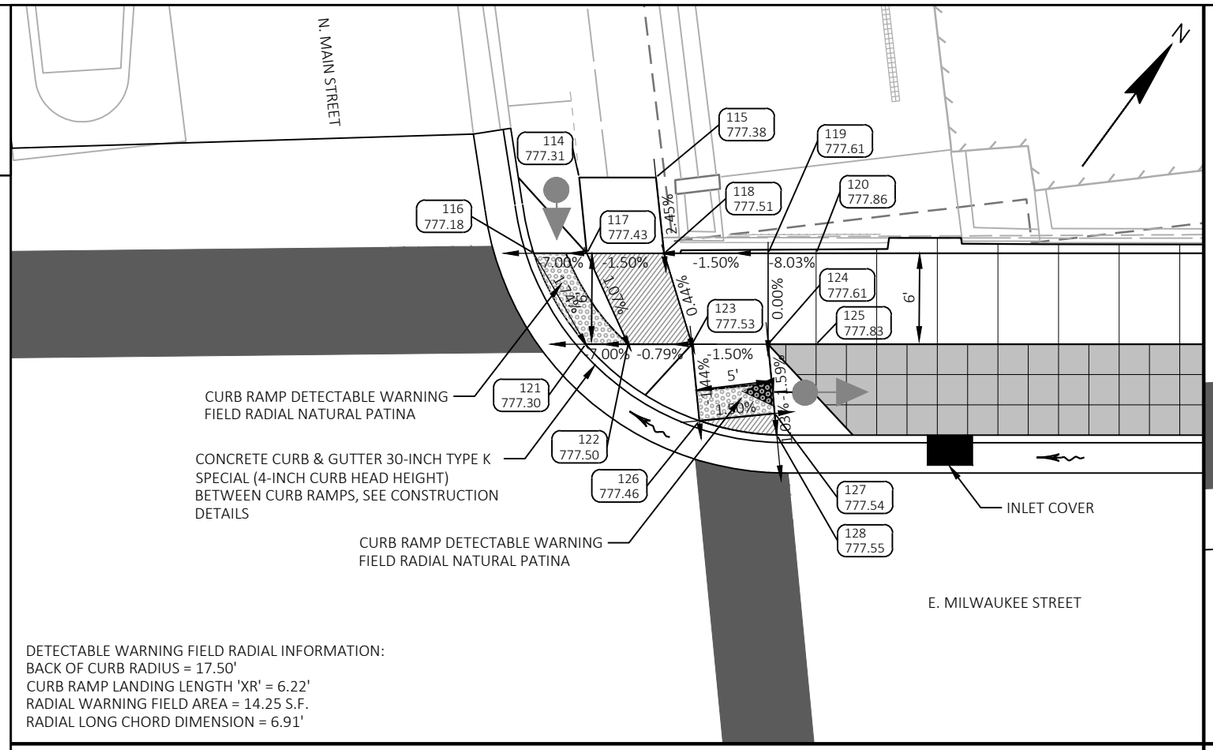
CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	PC	28+34.91	17.00' LT	822.81	269767.51	494273.30
301	MID PT.	28+86.13	18.07' LT	825.94	269797.30	494306.82
302	PT	29+36.65	16.00' LT	829.19	269836.39	494328.83
303	PC	30+61.16	16.03' LT	837.17	269953.47	494371.20
304	MID PT.	30+75.95	19.93' LT	837.63	269968.70	494372.56
305	PT	30+86.89	30.61' LT	837.86	269982.62	494366.25
306	PC	31+38.75	46.49' LT	840.30	270036.79	494368.96

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
307	MID PT.	31+38.53	27.37' LT	841.65	270030.08	494386.87
308	PT	31+55.06	17.75' LT	842.97	270042.34	494401.54
309	PC	28+48.33	19.14' RT	823.72	269744.61	494304.52
310	MID PT.	28+88.26	20.89' RT	826.25	269775.27	494339.02
311	PT	29+28.18	22.00' RT	828.79	269815.49	494361.68
312	PC	30+20.28	22.00' RT	835.63	269902.08	494393.03
313	MID PT.	30+39.35	33.03' RT	837.40	269916.26	494409.89

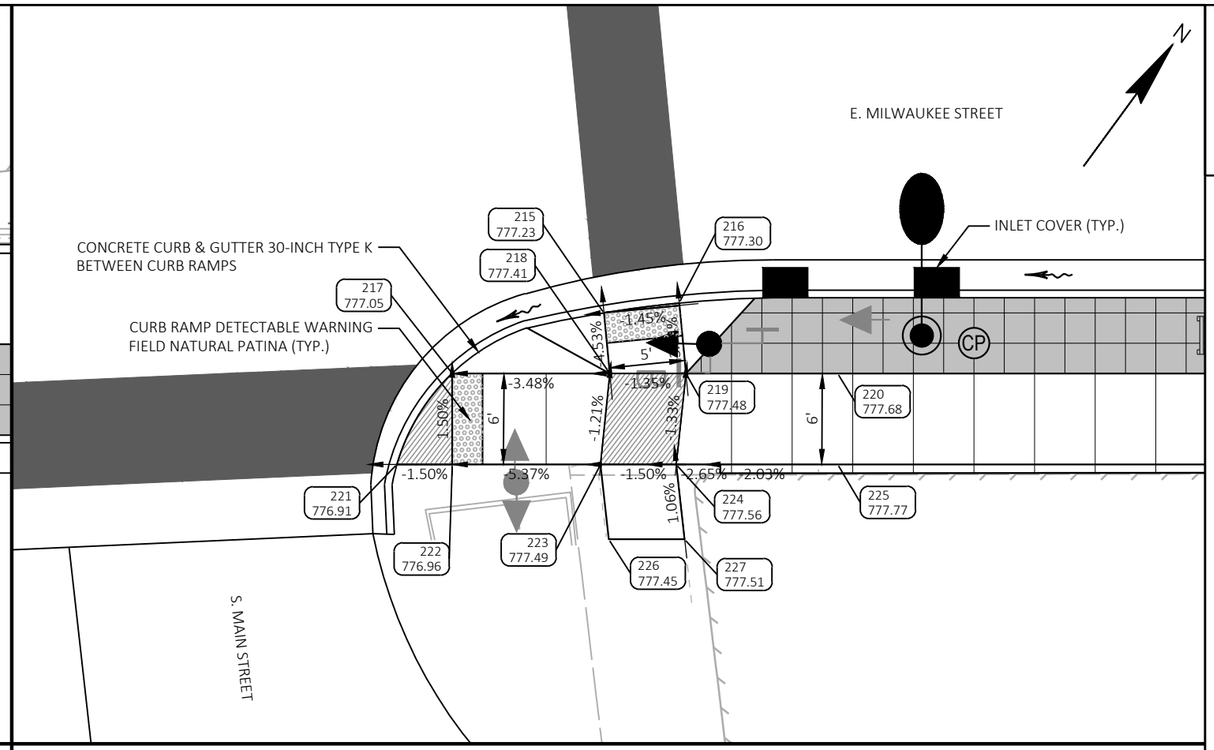


CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
314	PT	30+39.30	55.05' RT	839.50	269908.71	494430.59
315	PC	30+81.08	48.65' RT	841.69	269950.18	494438.79
316	MID PT.	31+13.74	26.05' RT	841.89	269988.58	494428.66
317	PT	31+52.24	35.79' RT	844.11	270021.46	494450.93
318	PC	32+32.68	58.90' RT	847.71	270089.23	494500.04
319	MID PT.	32+25.74	35.23' RT	847.58	270090.77	494475.42
320	PT	32+45.61	20.62' RT	847.61	270114.42	494468.45

CURB & GUTTER RADIUS POINT TABLE					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
3A	28.0'	30+61.16	46.03' LT	269963.68	494342.99
3B	17.0'	31+55.06	36.75' LT	270048.81	494383.68
3C	20.0'	30+20.28	44.00' RT	269894.59	494413.72
3D	46.0'	31+22.27	73.29' RT	269980.52	494475.98
3E	19.5'	32+46.11	42.11' RT	270107.58	494488.83



DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 17.50'
CURB RAMP LANDING LENGTH 'XR' = 6.22'
RADIAL WARNING FIELD AREA = 14.25 S.F.
RADIAL LONG CHORD DIMENSION = 6.91'



NE Main St					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
114	17+59.54	40.50' LT	777.31	269210.14	493353.20
115	17+64.60	40.50' LT	777.38	269212.86	493357.46
116	17+56.54	35.50' LT	777.18	269204.31	493353.36
117	17+60.04	35.50' LT	777.43	269206.20	493356.31
118	17+65.14	35.50' LT	777.51	269208.94	493360.61
119	17+72.00	35.50' LT	777.61	269212.63	493366.40
120	17+75.17	35.50' LT	777.86	269214.33	493369.07
121	17+59.96	29.50' LT	777.30	269201.09	493359.47
122	17+62.76	29.50' LT	777.50	269202.60	493361.83
123	17+66.98	29.50' LT	777.53	269204.87	493365.38
124	17+72.00	29.50' LT	777.61	269207.57	493369.62
125	17+75.17	29.50' LT	777.83	269209.27	493372.29
126	17+67.46	24.45' LT	777.46	269200.87	493368.51
127	17+72.44	24.93' LT	777.54	269203.95	493372.45
128	17+72.58	23.51' LT	777.55	269202.83	493373.33

SE Main St					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
215	17+72.04	23.03' RT	777.23	269163.30	493397.89
216	17+77.00	22.35' RT	777.30	269166.53	493401.70
217	17+62.02	27.00' RT	777.05	269154.56	493391.58
218	17+72.42	27.00' RT	777.41	269160.15	493400.34
219	17+77.44	27.00' RT	777.48	269162.85	493404.58
220	17+87.44	27.00' RT	777.68	269168.22	493413.01
221	17+58.38	33.00' RT	776.91	269147.54	493391.72
222	17+62.02	33.00' RT	776.96	269149.50	493394.80
223	17+71.80	33.00' RT	777.49	269154.75	493403.05
224	17+76.80	33.00' RT	777.56	269157.44	493407.26
225	17+87.44	33.00' RT	777.77	269163.16	493416.24
226	17+72.35	37.94' RT	777.45	269150.88	493406.16
227	17+77.35	37.94' RT	777.51	269153.57	493410.38

CURB RAMP DETAIL NOTES

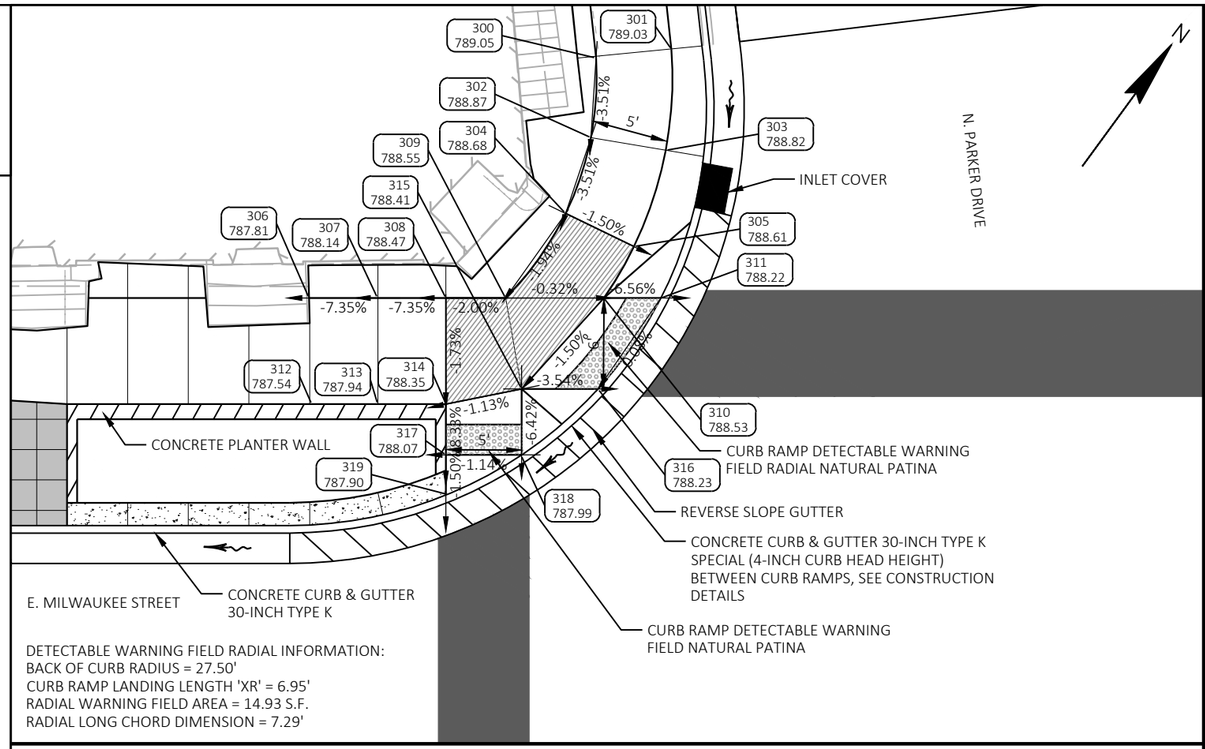
1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.

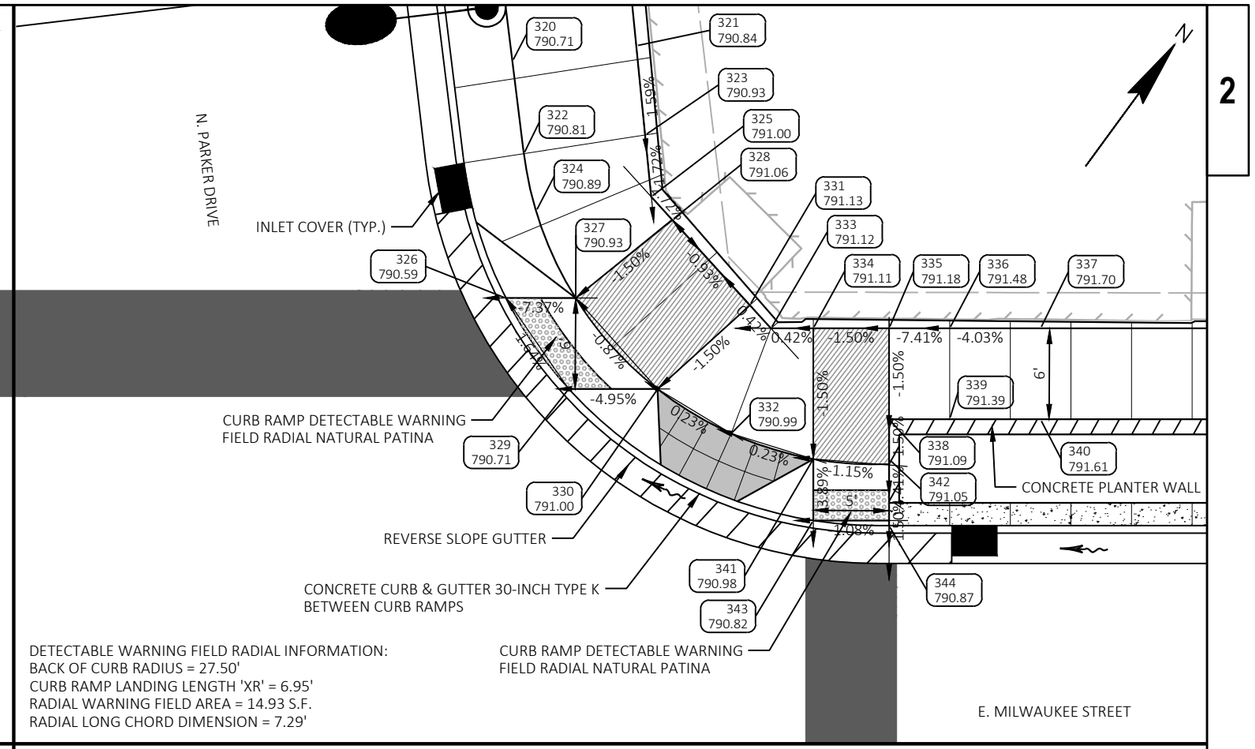
CURB RAMP DETAIL LEGEND

LANDING AREA (1.5% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL)

DRAINAGE DIRECTION

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CURB RAMP DETAILS: MAIN STREET	SHEET 32	E





CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.

CURB RAMP DETAIL LEGEND

LANDING AREA (1.5% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL)

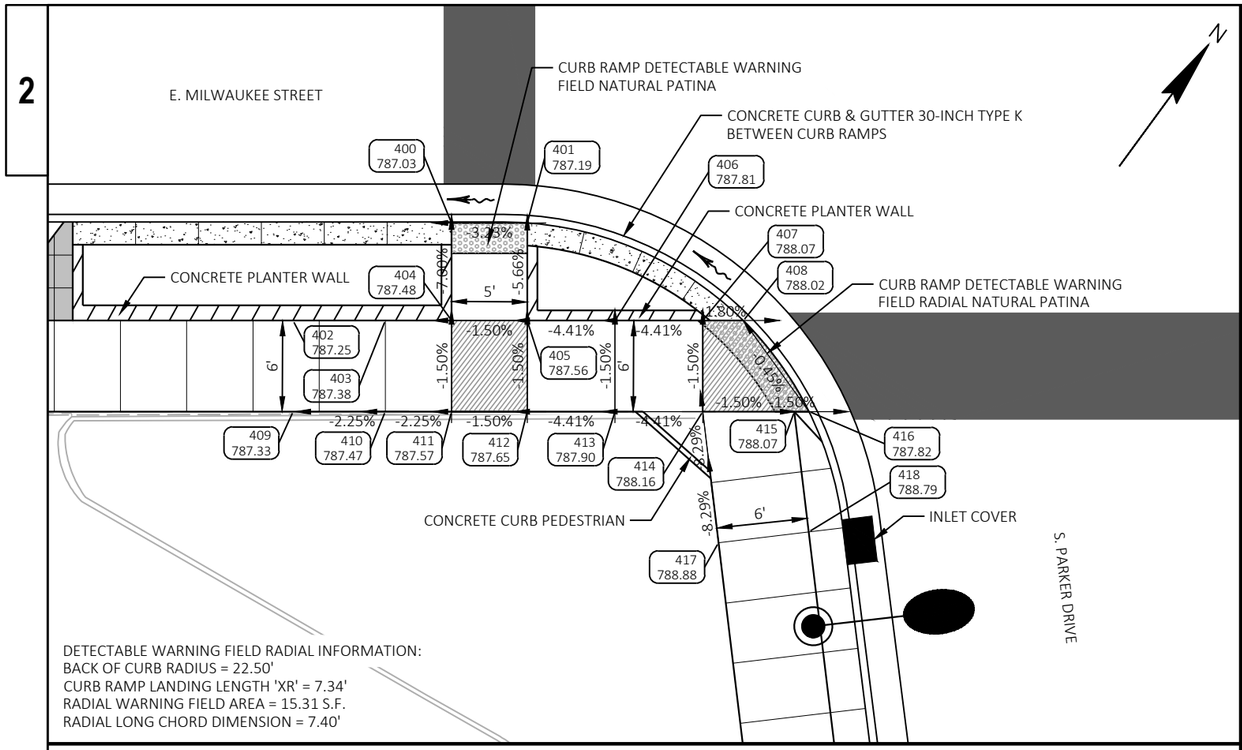
DRAINAGE DIRECTION

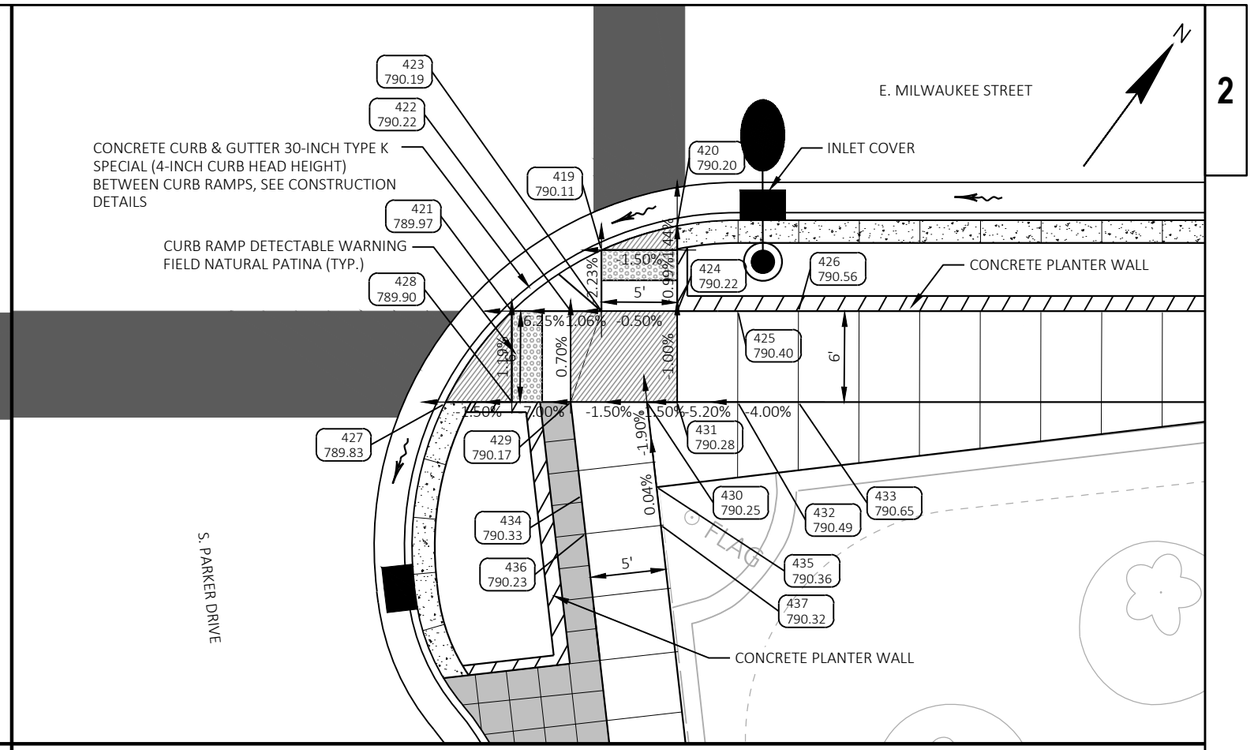
NW Parker Dr					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	20+30.07	51.33' LT	789.05	269364.69	493575.51
301	20+35.05	51.90' LT	789.03	269367.84	493579.40
302	20+29.74	46.08' LT	788.87	269360.07	493578.06
303	20+34.67	45.24' LT	788.82	269362.02	493582.66
304	20+28.07	41.08' LT	788.68	269354.96	493579.34
305	20+32.57	38.90' LT	788.61	269355.55	493584.31
306	20+11.13	35.50' LT	787.81	269341.15	493568.05
307	20+15.65	35.50' LT	788.14	269343.58	493571.86
308	20+20.17	35.50' LT	788.47	269346.01	493575.67
309	20+24.11	35.50' LT	788.55	269348.13	493578.99
310	20+30.59	35.50' LT	788.53	269351.61	493584.46
311	20+34.35	35.49' LT	788.22	269353.63	493587.64
312	20+11.31	28.50' LT	787.54	269335.34	493571.96
313	20+15.67	28.50' LT	787.94	269337.69	493575.64
314	20+20.17	28.50' LT	788.35	269340.11	493579.44
315	20+25.17	29.50' LT	788.41	269343.64	493583.11
316	20+30.21	29.50' LT	788.23	269346.35	493587.36
317	20+20.17	25.16' LT	788.07	269337.29	493581.23
318	20+25.13	25.13' LT	787.99	269339.93	493585.43
319	20+20.28	22.55' LT	787.90	269335.15	493582.73

NE Parker Dr					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
320	20+80.52	51.12' LT	790.71	269391.62	493618.17
321	20+88.69	52.13' LT	790.84	269396.86	493624.51
322	20+81.27	45.02' LT	790.81	269386.88	493622.08
323	20+89.27	46.25' LT	790.93	269392.22	493628.17
324	20+82.08	41.24' LT	790.89	269384.12	493624.79
325	20+89.68	42.18' LT	791.00	269389.00	493630.70
326	20+80.09	35.50' LT	790.59	269378.22	493626.20
327	20+84.69	35.50' LT	790.93	269380.69	493630.08
328	20+91.06	40.66' LT	791.06	269388.46	493632.68
329	20+84.24	29.50' LT	790.71	269375.39	493632.93
330	20+90.09	29.50' LT	791.00	269378.53	493637.86
331	20+96.18	35.03' LT	791.13	269386.47	493640.02
332	20+94.95	26.57' LT	790.99	269378.67	493643.53

NE Parker Dr					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
333	20+97.57	33.49' LT	791.12	269385.92	493642.02
334	21+00.36	33.50' LT	791.11	269387.43	493644.37
335	21+05.36	33.50' LT	791.18	269390.11	493648.59
336	21+09.36	33.50' LT	791.48	269392.26	493651.96
337	21+15.36	33.50' LT	791.70	269395.49	493657.02
338	21+05.36	27.50' LT	791.09	269385.05	493651.81
339	21+09.36	27.50' LT	791.39	269387.20	493655.19
340	21+15.36	27.50' LT	791.61	269390.43	493660.25
341	21+00.36	24.88' LT	790.98	269380.16	493649.00
342	21+05.36	24.88' LT	791.05	269382.85	493653.22
343	21+00.36	20.83' LT	790.82	269376.74	493651.18
344	21+05.36	20.50' LT	790.87	269379.15	493655.57

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CURB RAMP DETAILS: N. PARKER DRIVE	SHEET 33	E





SW Parker Dr					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	20+20.17	20.55' RT	787.03	269298.74	493605.80
401	20+25.17	20.55' RT	787.19	269301.43	493610.02
402	20+09.72	27.00' RT	787.25	269287.69	493600.45
403	20+15.80	27.00' RT	787.38	269290.96	493605.58
404	20+20.17	27.00' RT	787.48	269293.31	493609.27
405	20+25.17	27.00' RT	787.56	269295.99	493613.48
406	20+30.96	27.00' RT	787.81	269299.11	493618.36
407	20+36.75	27.00' RT	788.07	269302.22	493623.25
408	20+39.43	27.00' RT	788.02	269303.66	493625.50
409	20+09.72	33.00' RT	787.33	269282.63	493603.68
410	20+15.81	32.99' RT	787.47	269285.91	493608.81
411	20+20.17	33.00' RT	787.57	269288.25	493612.49
412	20+25.17	33.00' RT	787.65	269290.93	493616.71
413	20+30.96	33.00' RT	787.90	269294.05	493621.59
414	20+36.75	33.00' RT	788.16	269297.16	493626.47
415	20+42.79	33.00' RT	788.07	269300.41	493631.57
416	20+43.76	33.00' RT	787.82	269300.93	493632.38
417	20+37.79	41.66' RT	788.88	269290.41	493632.00
418	20+43.75	40.94' RT	788.79	269294.22	493636.64

SE Parker Dr					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
419	21+00.36	22.47' RT	790.11	269340.23	493674.45
420	21+05.36	20.87' RT	790.20	269344.26	493677.81
421	20+94.45	26.51' RT	789.97	269333.65	493671.64
422	20+98.33	26.50' RT	790.22	269335.74	493674.91
423	21+00.36	26.50' RT	790.19	269336.83	493676.62
424	21+05.36	26.50' RT	790.22	269339.52	493680.84
425	21+09.36	26.51' RT	790.40	269341.66	493684.21
426	21+13.36	26.52' RT	790.56	269343.80	493687.59
427	20+90.01	32.62' RT	789.83	269326.11	493671.18
428	20+94.45	32.50' RT	789.90	269328.59	493674.86
429	20+98.33	32.50' RT	790.17	269330.68	493678.13
430	21+03.36	32.50' RT	790.25	269333.38	493682.37
431	21+05.36	32.50' RT	790.28	269334.46	493684.06
432	21+09.35	32.50' RT	790.49	269336.60	493687.42
433	21+13.35	32.50' RT	790.65	269338.75	493690.80
434	20+99.03	38.69' RT	790.33	269325.83	493682.05
435	21+04.00	38.10' RT	790.36	269329.00	493685.92
436	20+99.31	41.19' RT	790.23	269323.88	493683.63
437	21+04.28	40.62' RT	790.32	269327.03	493687.52

CURB RAMP DETAIL NOTES

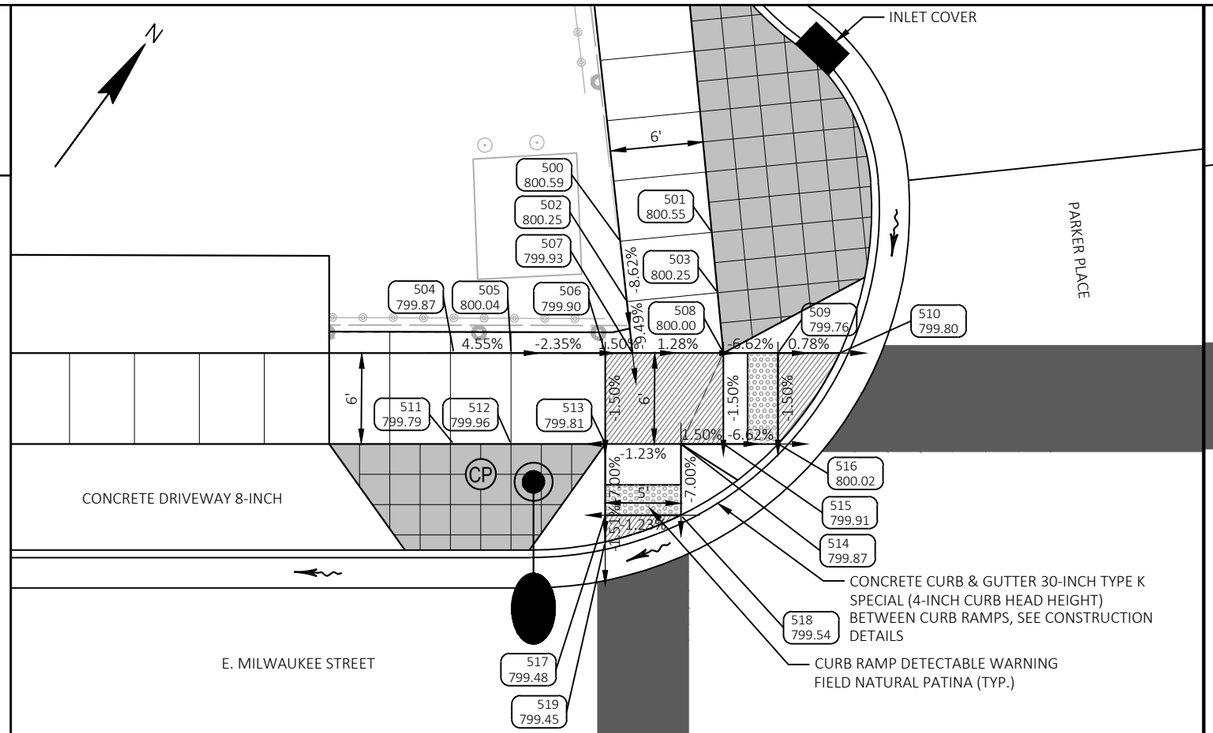
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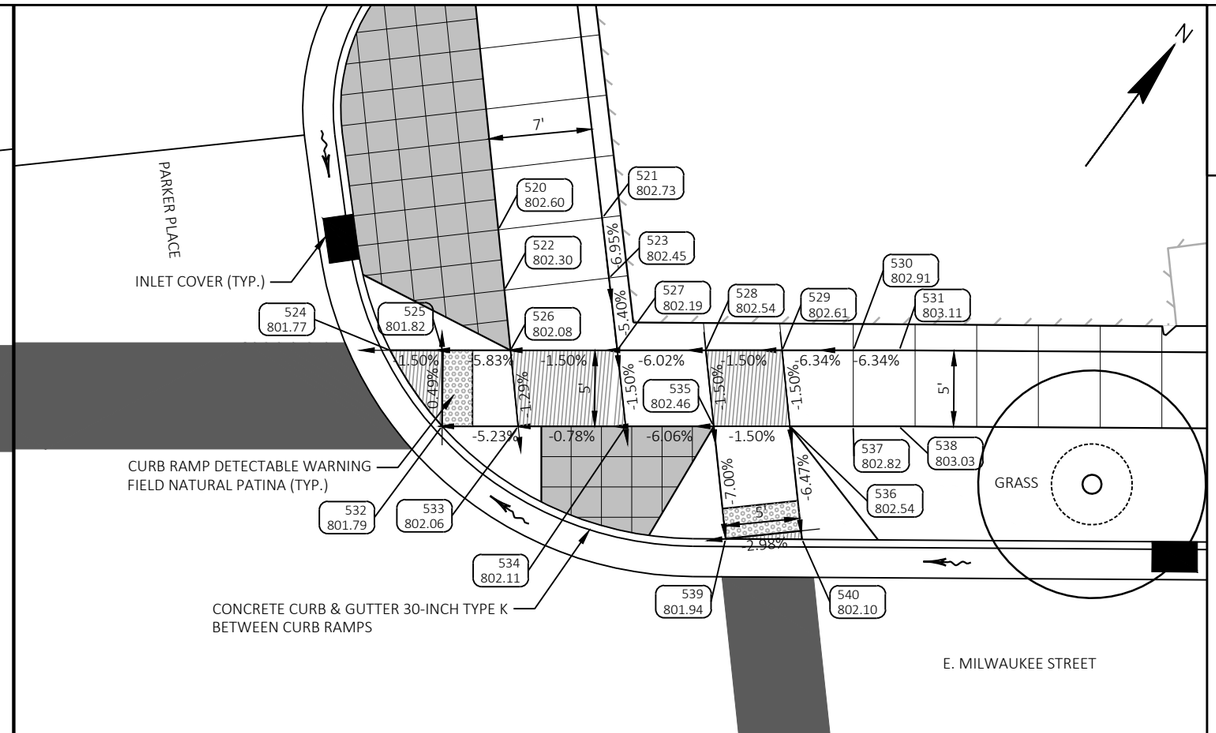
CURB RAMP DETAIL LEGEND

LANDING AREA (1.5% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL)

DRAINAGE DIRECTION

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CURB RAMP DETAILS: S. PARKER DRIVE	SHEET 34	E





NW Parker Pl					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	23+61.99	40.87' LT	800.59	269534.12	493860.81
501	23+68.03	41.41' LT	800.55	269537.87	493865.59
502	23+62.40	36.89' LT	800.25	269531.01	493863.32
503	23+68.39	37.43' LT	800.25	269534.72	493868.06
504	23+50.74	33.50' LT	799.87	269522.00	493855.51
505	23+54.52	33.50' LT	800.04	269524.03	493858.70
506	23+60.95	33.49' LT	799.90	269527.37	493863.94
507	23+62.75	33.48' LT	799.93	269528.34	493865.46
508	23+68.75	33.45' LT	800.00	269531.57	493870.52
509	23+72.35	33.42' LT	799.76	269533.50	493873.55
510	23+76.43	33.40' LT	799.80	269535.69	493877.00
511	23+50.74	27.50' LT	799.79	269516.94	493858.73
512	23+54.52	27.50' LT	799.96	269518.97	493861.93
513	23+60.91	27.50' LT	799.81	269522.31	493867.17
514	23+65.91	27.46' LT	799.87	269525.00	493871.38
515	23+68.72	27.45' LT	799.91	269526.51	493873.75
516	23+72.34	27.42' LT	800.02	269528.45	493876.80
517	23+60.88	22.79' LT	799.48	269518.34	493869.70
518	23+65.88	22.77' LT	799.54	269521.03	493873.91
519	23+60.87	21.04' LT	799.45	269516.87	493870.63

NE Parker Pl					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
520	24+20.26	41.08' LT	802.60	269565.93	493909.63
521	24+27.14	41.83' LT	802.73	269570.30	493915.00
522	24+20.63	37.10' LT	802.30	269562.79	493912.11
523	24+27.53	37.85' LT	802.45	269567.17	493917.50
524	24+13.08	33.17' LT	801.77	269555.39	493907.90
525	24+16.52	33.14' LT	801.82	269557.24	493910.81
526	24+21.01	33.12' LT	802.08	269559.65	493914.59
527	24+28.06	33.07' LT	802.19	269563.44	493920.53
528	24+33.89	33.03' LT	802.54	269566.58	493925.45
529	24+38.92	33.00' LT	802.61	269569.28	493929.69
530	24+43.20	32.98' LT	802.91	269571.81	493933.66

NE Parker Pl					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
531	24+46.25	33.00' LT	803.11	269573.44	493936.23
532	24+16.46	28.14' LT	801.79	269553.01	493913.47
533	24+21.48	28.11' LT	802.06	269555.71	493917.70
534	24+28.58	28.07' LT	802.11	269559.52	493923.69
535	24+34.39	28.03' LT	802.46	269562.64	493928.59
536	24+39.42	28.00' LT	802.54	269565.35	493932.83
537	24+43.24	27.98' LT	802.82	269567.59	493936.35
538	24+46.25	28.00' LT	803.03	269569.21	493938.89
539	24+35.12	20.60' LT	801.94	269556.80	493933.24
540	24+40.15	20.53' LT	802.10	269559.48	493937.50

CURB RAMP DETAIL NOTES

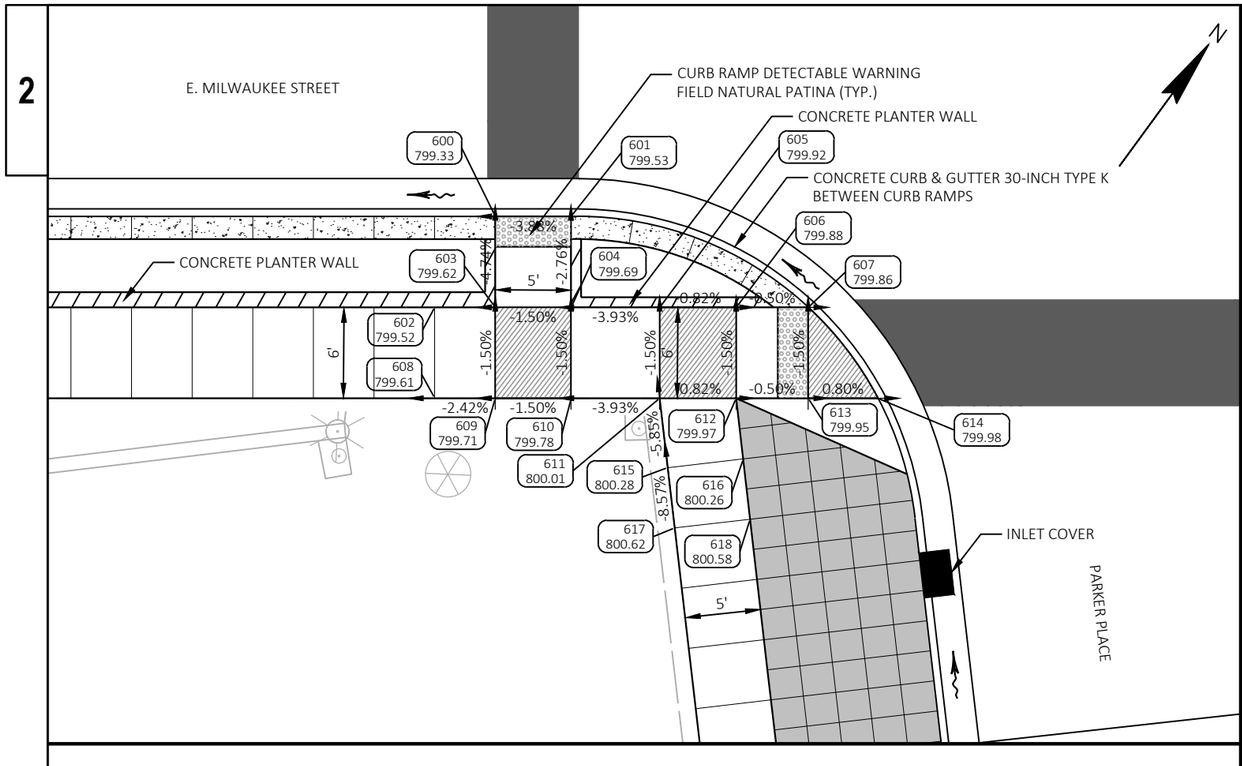
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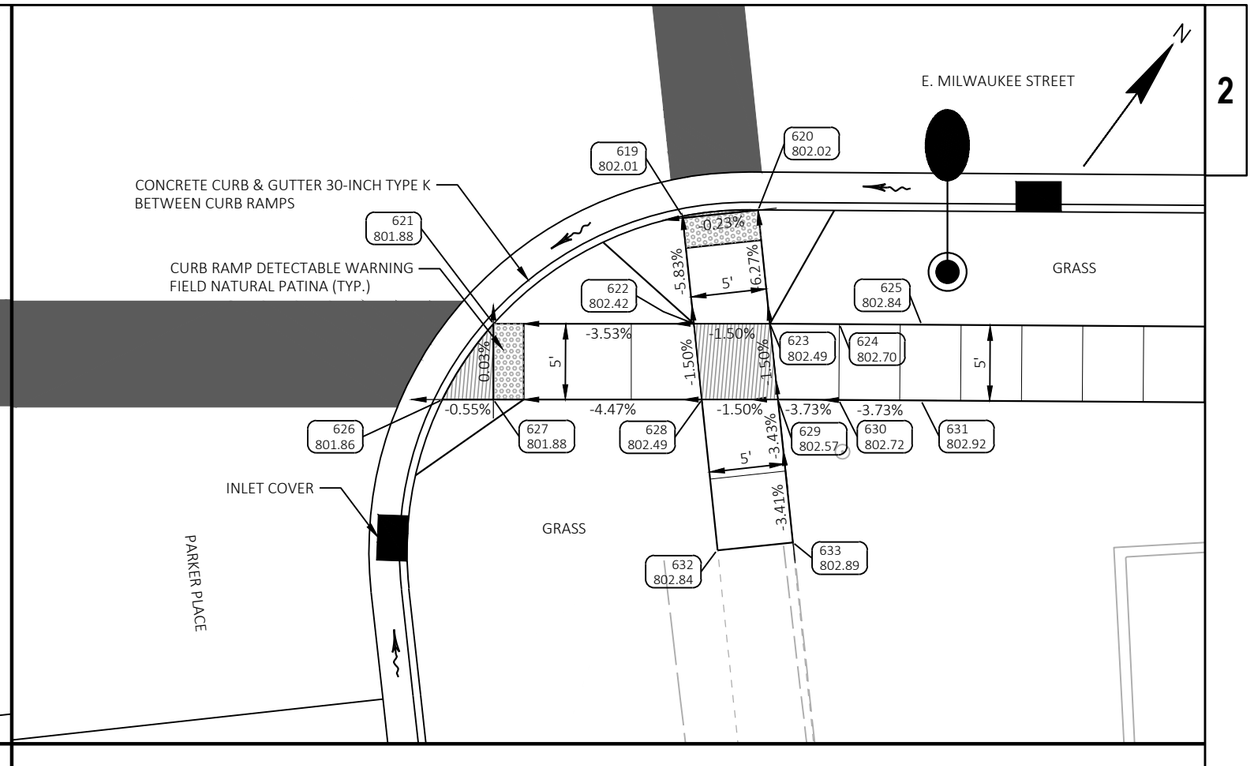
CURB RAMP DETAIL LEGEND

LANDING AREA (1.5% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL)

DRAINAGE DIRECTION

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CURB RAMP DETAILS: PARKER PLACE	SHEET 35	E





SW Parker Pl					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
600	23+60.61	20.50' RT	799.33	269481.83	493892.97
601	23+65.61	20.54' RT	799.53	269484.52	493897.18
602	23+56.74	26.50' RT	799.52	269474.62	493892.82
603	23+60.57	26.50' RT	799.62	269476.77	493896.19
604	23+65.57	26.53' RT	799.69	269479.46	493900.41
605	23+71.42	26.57' RT	799.92	269482.60	493905.34
606	23+76.47	26.60' RT	799.88	269485.32	493909.60
607	23+81.21	26.64' RT	799.86	269487.87	493913.60
608	23+56.74	32.50' RT	799.61	269469.56	493896.04
609	23+60.53	32.50' RT	799.71	269471.71	493899.41
610	23+65.53	32.53' RT	799.78	269474.40	493903.63
611	23+71.38	32.57' RT	800.01	269477.54	493908.56
612	23+76.43	32.60' RT	799.97	269480.26	493912.82
613	23+81.18	32.63' RT	799.95	269482.81	493916.82
614	23+85.78	32.66' RT	799.98	269485.28	493920.70
615	23+71.88	37.15' RT	800.28	269473.97	493911.47
616	23+76.86	36.61' RT	800.26	269477.13	493915.36
617	23+72.32	41.13' RT	800.62	269470.87	493913.99
618	23+77.30	40.58' RT	800.58	269474.03	493917.88

SE Parker Pl					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
619	24+39.23	20.90' RT	802.01	269524.17	493959.21
620	24+44.48	20.50' RT	802.02	269527.20	493963.19
621	24+26.72	27.92' RT	801.88	269511.49	493952.51
622	24+39.93	28.01' RT	802.42	269518.59	493963.66
623	24+45.32	28.01' RT	802.49	269521.29	493967.90
624	24+49.89	28.00' RT	802.70	269523.73	493971.77
625	24+55.32	28.00' RT	802.84	269526.62	493976.36
626	24+23.30	32.90' RT	801.86	269505.45	493952.35
627	24+26.68	32.92' RT	801.88	269507.27	493955.20
628	24+40.43	33.01' RT	802.49	269514.66	493966.79
629	24+45.88	33.00' RT	802.57	269517.36	493971.03
630	24+49.89	33.00' RT	802.72	269519.50	493974.43
631	24+55.33	33.00' RT	802.92	269522.39	493979.03
632	24+41.37	42.96' RT	802.84	269506.82	493972.98
633	24+46.93	42.42' RT	802.89	269509.95	493976.93

CURB RAMP DETAIL NOTES

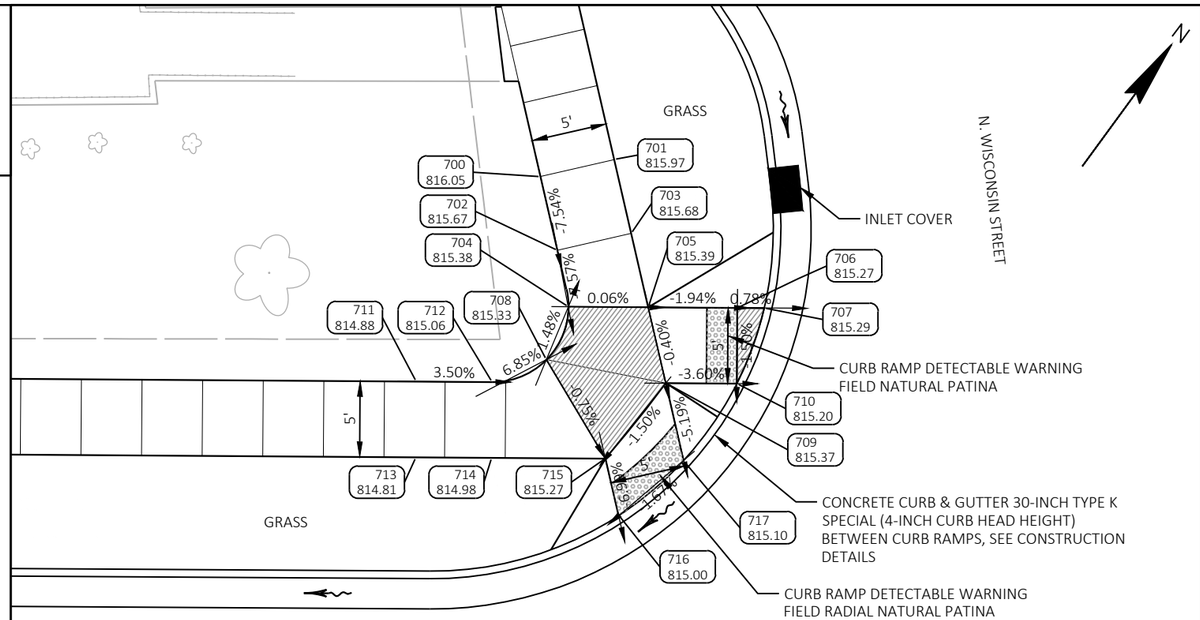
1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.

CURB RAMP DETAIL LEGEND

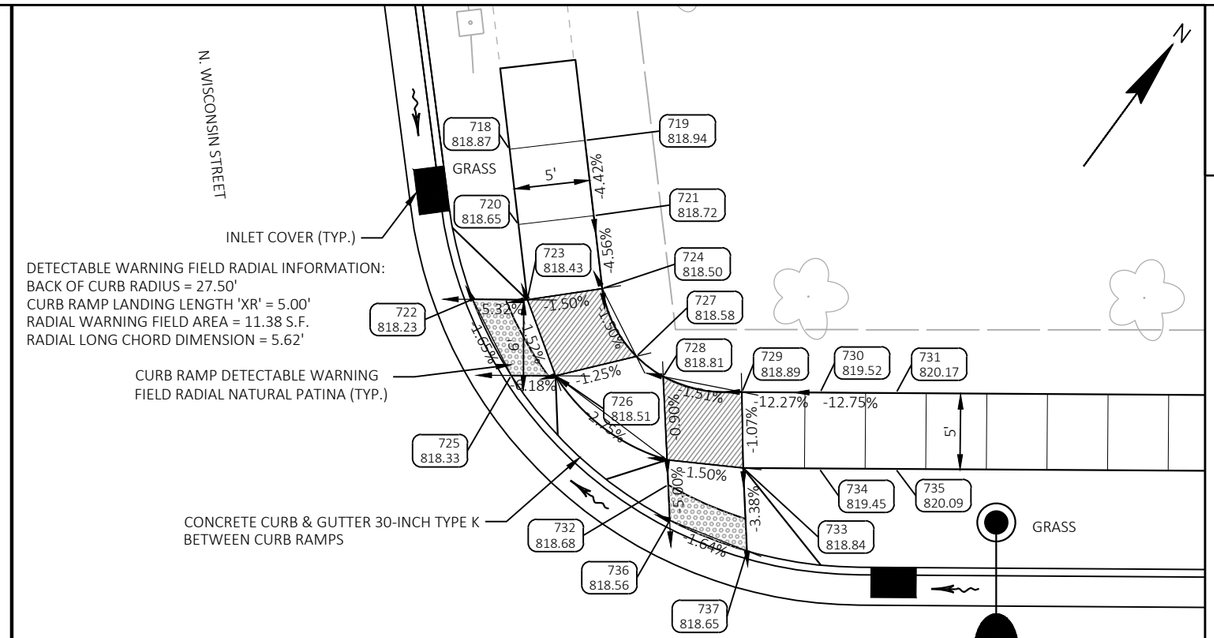
LANDING AREA (1.5% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL)

DRAINAGE DIRECTION

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CURB RAMP DETAILS: PARKER PLACE	SHEET 36	E



DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 22.50'
CURB RAMP LANDING LENGTH 'XR' = 5.07'
RADIAL WARNING FIELD AREA = 11.44 S.F.
RADIAL LONG CHORD DIMENSION = 5.63'



DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 27.50'
CURB RAMP LANDING LENGTH 'XR' = 4.60'
RADIAL WARNING FIELD AREA = 11.09 S.F.
RADIAL LONG CHORD DIMENSION = 5.49'

NW Wisconsin St					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
700	26+97.69	46.58' LT	816.05	269718.71	494141.91
701	27+02.55	47.73' LT	815.97	269722.27	494145.42
702	26+98.84	41.71' LT	815.67	269715.20	494145.48
703	27+03.71	42.87' LT	815.68	269718.77	494148.98
704	26+99.58	38.00' LT	815.38	269712.45	494148.08
705	27+04.86	38.00' LT	815.39	269715.26	494152.55
706	27+11.37	37.95' LT	815.27	269718.39	494157.52
707	27+13.16	37.92' LT	815.29	269719.33	494159.03
708	26+98.16	34.50' LT	815.33	269708.73	494148.73
709	27+06.07	33.00' LT	815.37	269711.67	494156.23
710	27+11.29	32.95' LT	815.20	269714.15	494160.18
711	26+89.58	33.00' LT	814.88	269702.90	494142.27
712	26+94.58	33.00' LT	815.06	269705.56	494146.51
713	26+89.58	27.99' LT	814.81	269698.65	494144.94
714	26+94.58	28.00' LT	814.98	269701.32	494149.17
715	27+02.09	28.00' LT	815.27	269705.32	494155.53
716	27+03.01	24.24' LT	815.00	269702.63	494158.30
717	27+07.26	27.89' LT	815.10	269707.98	494159.95

NE Wisconsin St					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
718	27+51.27	47.21' LT	818.87	269747.93	494185.89
719	27+56.24	47.74' LT	818.94	269751.08	494189.76
720	27+51.80	42.24' LT	818.65	269744.05	494189.05
721	27+56.77	42.77' LT	818.72	269747.21	494192.92
722	27+48.72	37.33' LT	818.23	269738.26	494189.15
723	27+52.33	37.27' LT	818.43	269740.18	494192.21
724	27+57.28	37.95' LT	818.50	269743.46	494195.98
725	27+51.21	32.28' LT	818.33	269735.39	494193.99
726	27+54.14	32.24' LT	818.51	269736.95	494196.47
727	27+59.49	33.45' LT	818.58	269740.89	494200.29
728	27+61.24	32.10' LT	818.81	269740.72	494202.50
729	27+66.42	31.03' LT	818.89	269742.65	494207.42
730	27+71.06	31.00' LT	819.52	269745.39	494211.79
731	27+76.08	31.00' LT	820.17	269748.06	494216.04
732	27+61.50	24.96' LT	818.68	269734.88	494206.61
733	27+66.46	26.03' LT	818.84	269738.48	494210.19
734	27+71.03	26.00' LT	819.45	269741.14	494214.42
735	27+76.08	26.00' LT	820.09	269743.83	494218.70
736	27+61.58	22.62' LT	818.56	269732.96	494207.96
737	27+66.66	20.54' LT	818.65	269733.99	494213.35

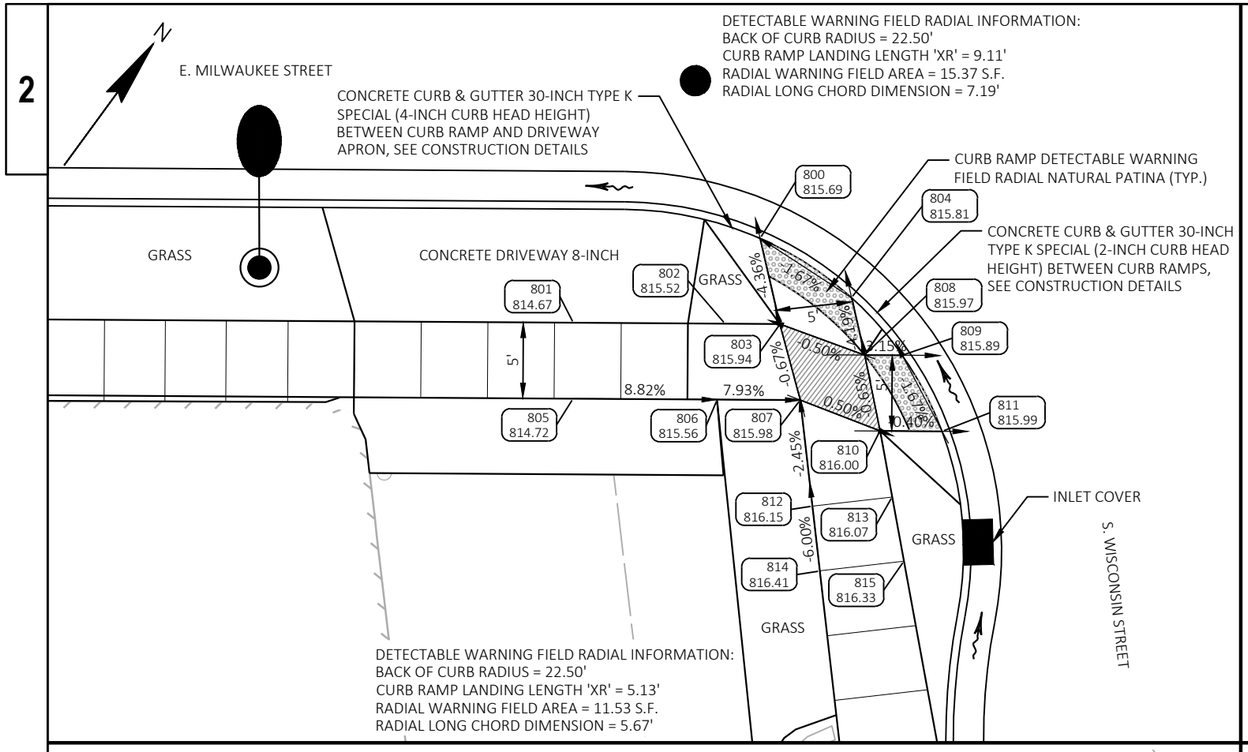
CURB RAMP DETAIL NOTES

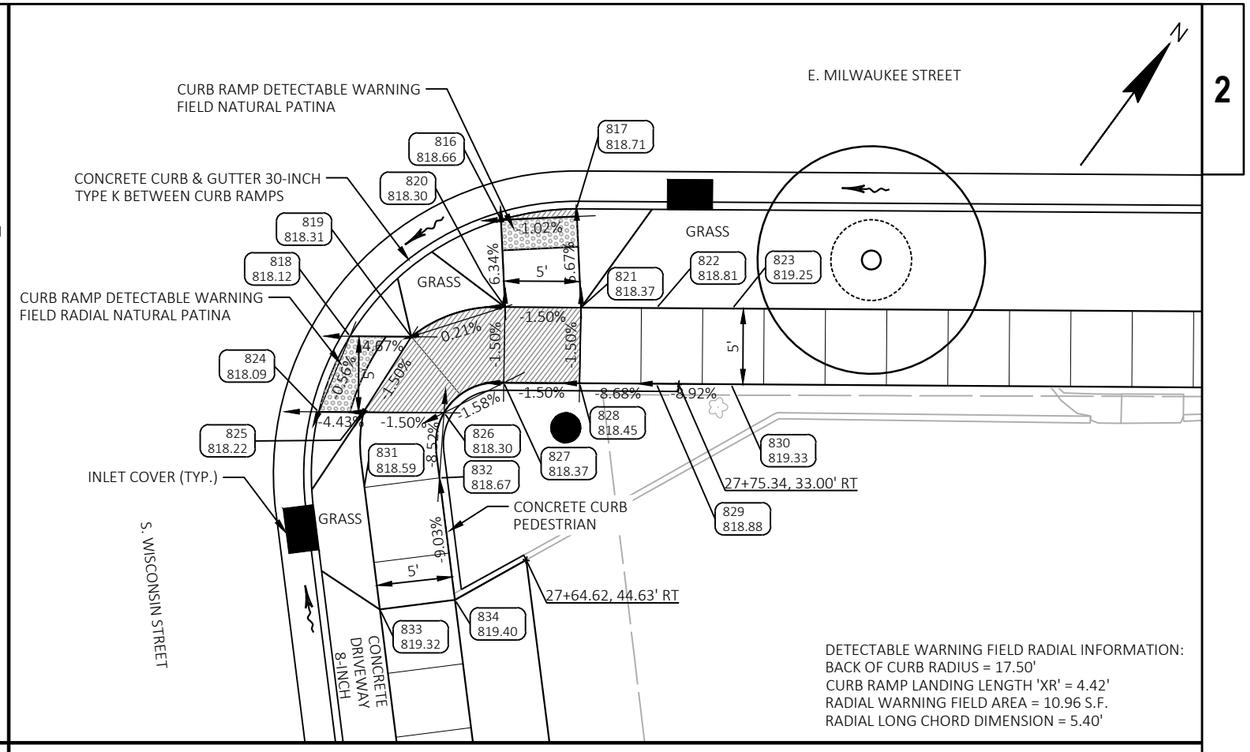
1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.

CURB RAMP DETAIL LEGEND

- LANDING AREA (1.5% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL)
- DRAINAGE DIRECTION

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CURB RAMP DETAILS: N. WISCONSIN STREET	SHEET 37	E





SW Wisconsin St					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
800	27+13.66	22.44' RT	815.69	269669.04	494192.42
801	27+01.76	28.00' RT	814.67	269657.72	494185.03
802	27+11.29	28.06' RT	815.52	269663.04	494193.50
803	27+14.91	28.12' RT	815.94	269664.97	494196.56
804	27+19.65	26.42' RT	815.81	269668.99	494199.61
805	27+01.76	33.00' RT	814.72	269653.49	494187.69
806	27+10.71	33.05' RT	815.56	269658.55	494195.75
807	27+16.20	33.14' RT	815.98	269661.47	494200.39
808	27+20.49	30.21' RT	815.97	269666.26	494202.38
809	27+22.96	30.25' RT	815.89	269667.58	494204.48
810	27+21.45	35.23' RT	816.00	269662.58	494205.93
811	27+25.54	35.30' RT	815.99	269664.76	494209.40
812	27+16.93	40.14' RT	816.15	269656.00	494204.83
813	27+22.20	39.59' RT	816.07	269659.34	494208.94
814	27+17.38	44.42' RT	816.41	269652.66	494207.54
815	27+22.93	43.84' RT	816.33	269656.18	494211.88

SE Wisconsin St					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
816	27+63.19	22.18' RT	818.66	269696.31	494233.77
817	27+68.52	21.50' RT	818.71	269699.59	494237.57
818	27+53.14	29.76' RT	818.12	269684.47	494229.49
819	27+57.18	29.82' RT	818.31	269686.62	494232.91
820	27+63.39	27.93' RT	818.30	269691.60	494237.08
821	27+68.86	28.00' RT	818.37	269694.27	494241.31
822	27+73.86	28.00' RT	818.81	269696.93	494245.55
823	27+78.86	28.00' RT	819.25	269699.59	494249.78
824	27+51.03	34.72' RT	818.09	269679.16	494230.43
825	27+53.98	34.77' RT	818.22	269680.73	494232.93
826	27+59.29	34.86' RT	818.30	269683.56	494237.43
827	27+63.25	32.93' RT	818.37	269687.34	494239.69
828	27+68.81	33.00' RT	818.45	269690.00	494243.93
829	27+73.88	33.00' RT	818.88	269692.70	494248.22
830	27+78.81	33.00' RT	819.33	269695.32	494252.40
831	27+53.98	39.73' RT	818.59	269676.58	494235.64
832	27+58.95	39.15' RT	818.67	269679.78	494239.49
833	27+54.92	47.79' RT	819.32	269670.34	494240.83
834	27+59.88	47.21' RT	819.40	269673.53	494244.67

CURB RAMP DETAIL NOTES

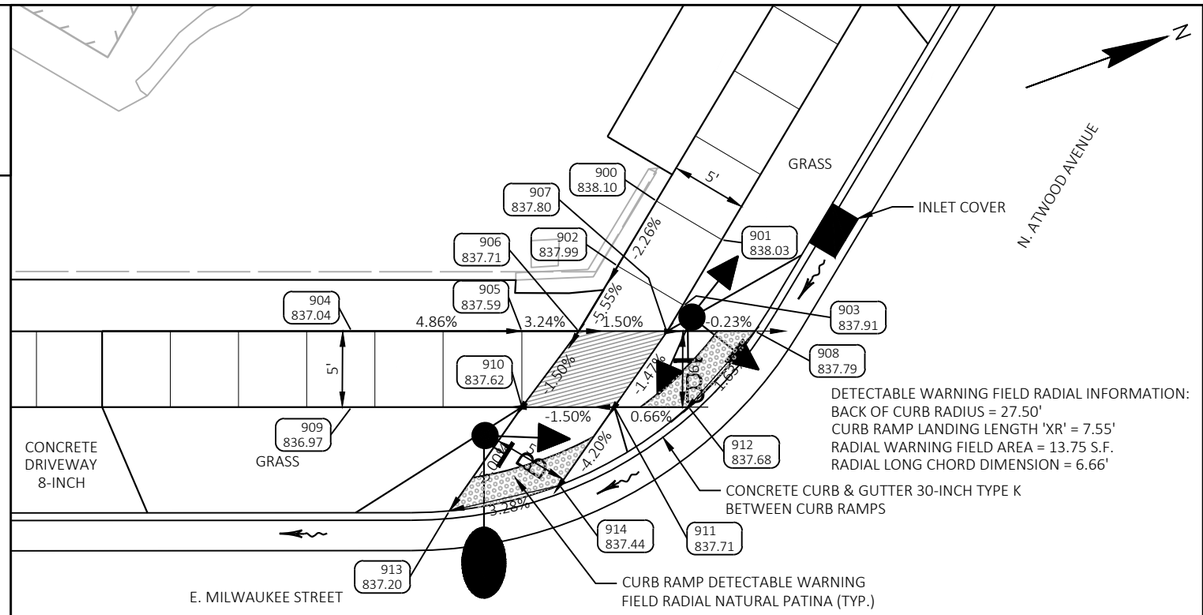
1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.

CURB RAMP DETAIL LEGEND

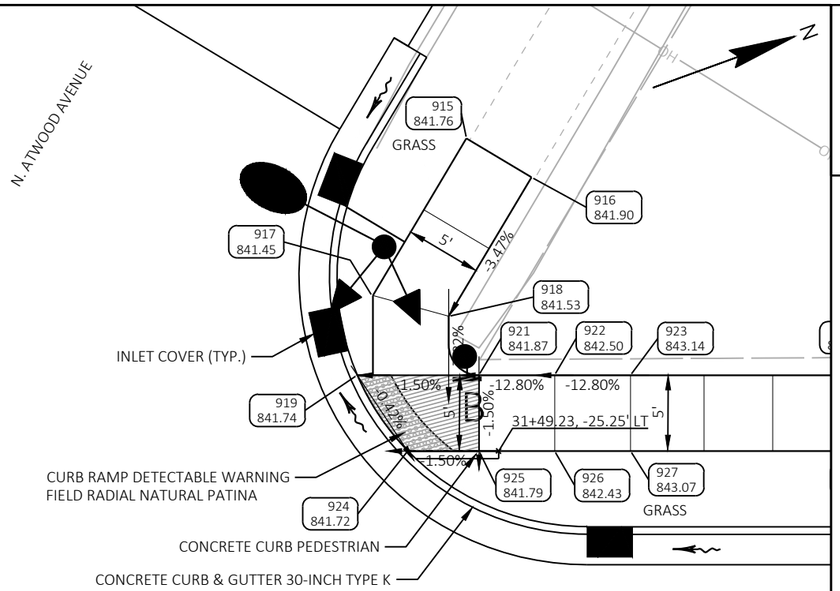
LANDING AREA (1.5% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL)

DRAINAGE DIRECTION

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CURB RAMP DETAILS: S. WISCONSIN STREET	SHEET 38	E



DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 27.50'
CURB RAMP LANDING LENGTH 'XR' = 9.45'
RADIAL WARNING FIELD AREA = 15.70 S.F.
RADIAL LONG CHORD DIMENSION = 7.47'



DETECTABLE WARNING FIELD RADIAL INFORMATION:
BACK OF CURB RADIUS = 16.50'
CURB RAMP LANDING LENGTH 'XR' = 6.33'
RADIAL WARNING FIELD AREA = 12.53 S.F.
RADIAL LONG CHORD DIMENSION = 6.01'

NW Atwood Ave					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
900	30+77.35	39.09' LT	838.10	269976.54	494355.03
901	30+81.65	36.52' LT	838.03	269979.71	494358.90
902	30+74.79	34.80' LT	837.99	269972.68	494358.18
903	30+79.10	32.24' LT	837.91	269975.86	494362.05
904	30+57.22	30.50' LT	837.04	269954.69	494356.25
905	30+68.47	30.50' LT	837.59	269965.27	494360.07
906	30+72.22	30.50' LT	837.71	269968.80	494361.35
907	30+78.06	30.50' LT	837.80	269974.29	494363.34
908	30+83.86	30.50' LT	837.79	269979.73	494365.31
909	30+57.22	25.50' LT	836.97	269952.99	494360.95
910	30+68.47	25.50' LT	837.62	269963.56	494364.78
911	30+74.57	25.50' LT	837.71	269969.30	494366.85
912	30+79.46	25.50' LT	837.68	269973.90	494368.52
913	30+63.68	18.64' LT	837.20	269956.72	494369.59
914	30+70.96	20.33' LT	837.44	269964.15	494370.48

NE Atwood Ave					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
915	31+47.11	45.87' LT	841.76	270044.44	494372.40
916	31+51.40	43.30' LT	841.90	270047.60	494376.27
917	31+40.93	35.51' LT	841.45	270035.10	494380.03
918	31+45.93	34.14' LT	841.53	270039.33	494383.03
919	31+39.89	30.25' LT	841.74	270032.34	494384.63
921	31+47.93	30.25' LT	841.87	270039.89	494387.36
922	31+52.93	30.25' LT	842.50	270044.59	494389.06
923	31+57.93	30.25' LT	843.14	270049.29	494390.77
924	31+43.23	25.25' LT	841.72	270033.77	494390.46
925	31+47.93	25.25' LT	841.79	270038.19	494392.06
926	31+52.93	25.25' LT	842.43	270042.89	494393.76
927	31+57.93	25.25' LT	843.07	270047.59	494395.47

CURB RAMP DETAIL NOTES

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CURB RAMP DETAIL LEGEND

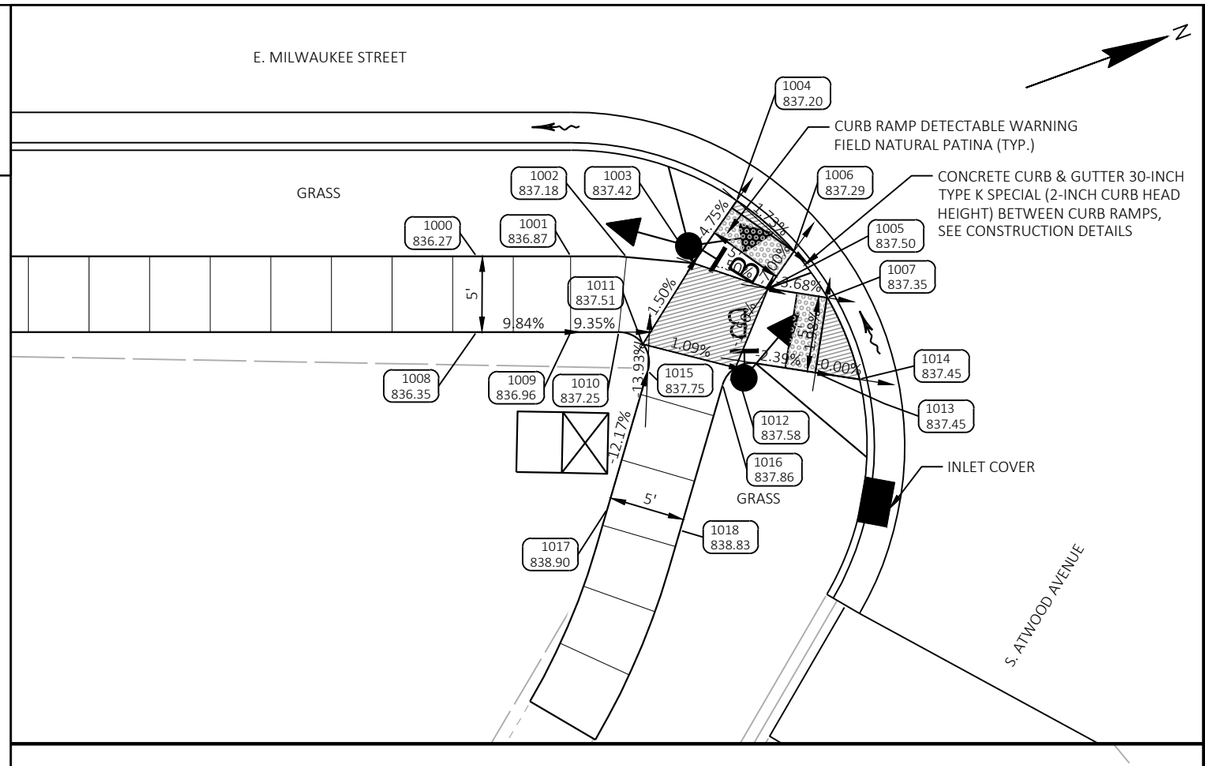
LANDING AREA (1.5% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL)

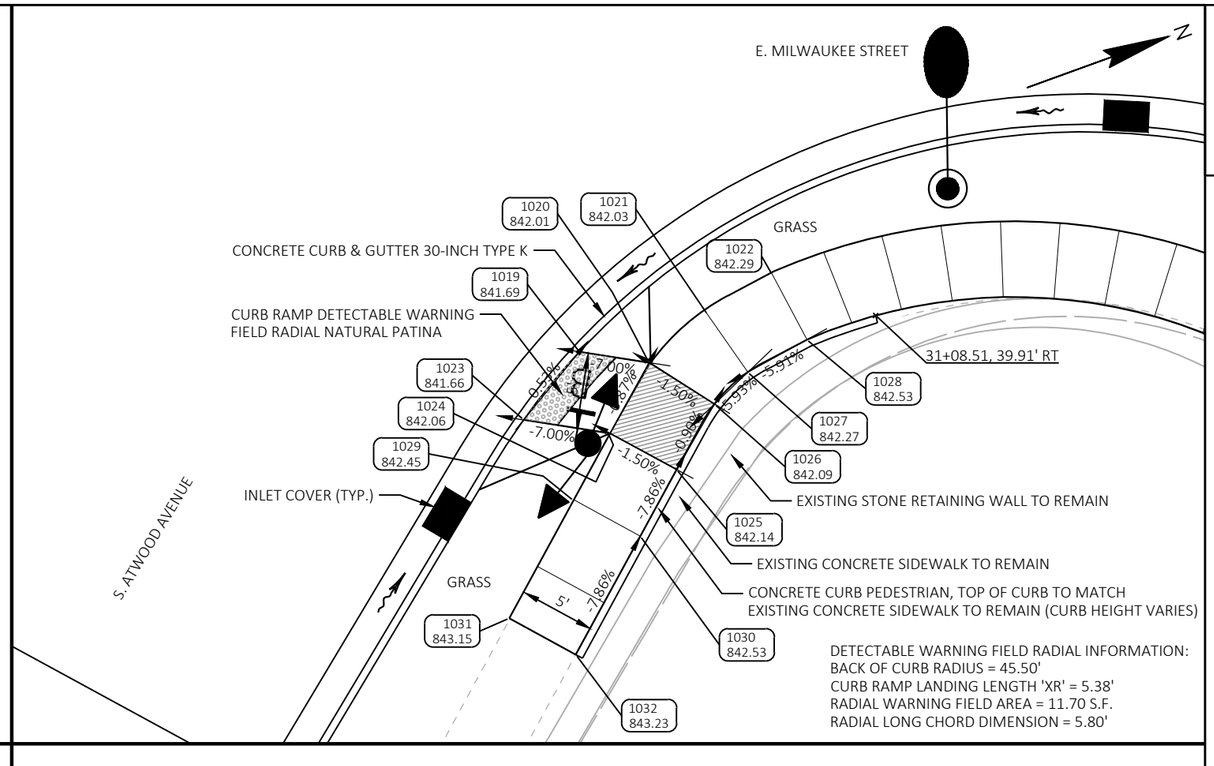
DRAINAGE DIRECTION

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CURB RAMP DETAILS: N. ATWOOD AVENUE	SHEET 39	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - Atwood Ave

PLOT DATE : 7/24/2022 11:30 AM PLOT BY : JASON DOLENS PLOT NAME : _____ PLOT SCALE : 1 IN:10 FT





SW Wisconsin St					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
800	27+13.66	22.44' RT	815.69	269669.04	494192.42
801	27+01.76	28.00' RT	814.67	269657.72	494185.03
802	27+11.29	28.06' RT	815.52	269663.04	494193.50
803	27+14.91	28.12' RT	815.94	269664.97	494196.56
804	27+19.65	26.42' RT	815.81	269668.99	494199.61
805	27+01.76	33.00' RT	814.72	269653.49	494187.69
806	27+10.71	33.05' RT	815.56	269658.55	494195.75
807	27+16.20	33.14' RT	815.98	269661.47	494200.39
808	27+20.49	30.21' RT	815.97	269666.26	494202.38
809	27+22.96	30.25' RT	815.89	269667.58	494204.48
810	27+21.45	35.23' RT	816.00	269662.58	494205.93
811	27+25.54	35.30' RT	815.99	269664.76	494209.40
812	27+16.93	40.14' RT	816.15	269656.00	494204.83
813	27+22.20	39.59' RT	816.07	269659.34	494208.94
814	27+17.38	44.42' RT	816.41	269652.66	494207.54
815	27+22.93	43.84' RT	816.33	269656.18	494211.88

SE Atwood Ave					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1019	30+88.96	42.30' RT	841.69	269959.75	494435.50
1020	30+93.58	43.02' RT	842.01	269963.84	494437.75
1021	30+97.41	39.82' RT	842.03	269968.54	494436.04
1022	31+01.66	37.17' RT	842.29	269973.44	494435.00
1023	30+85.29	46.79' RT	841.66	269954.77	494438.47
1024	30+91.00	47.67' RT	842.06	269959.83	494441.25
1025	30+95.39	50.07' RT	842.14	269963.14	494444.99
1026	30+97.89	45.74' RT	842.09	269966.97	494441.78
1027	31+00.08	43.65' RT	842.27	269969.75	494440.56
1028	31+03.98	41.50' RT	842.53	269974.14	494439.86
1029	30+88.60	52.06' RT	842.45	269956.09	494444.56
1030	30+92.99	54.46' RT	842.53	269959.40	494448.31
1031	30+84.34	59.88' RT	843.15	269949.42	494450.46
1032	30+88.73	62.27' RT	843.23	269952.73	494454.20

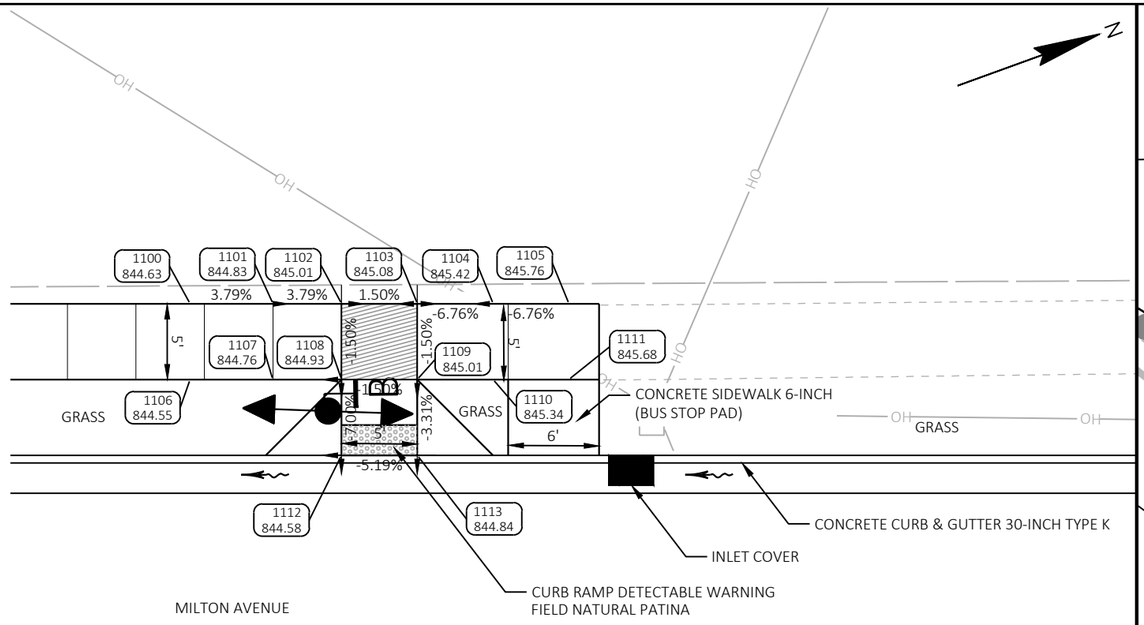
CURB RAMP DETAIL NOTES

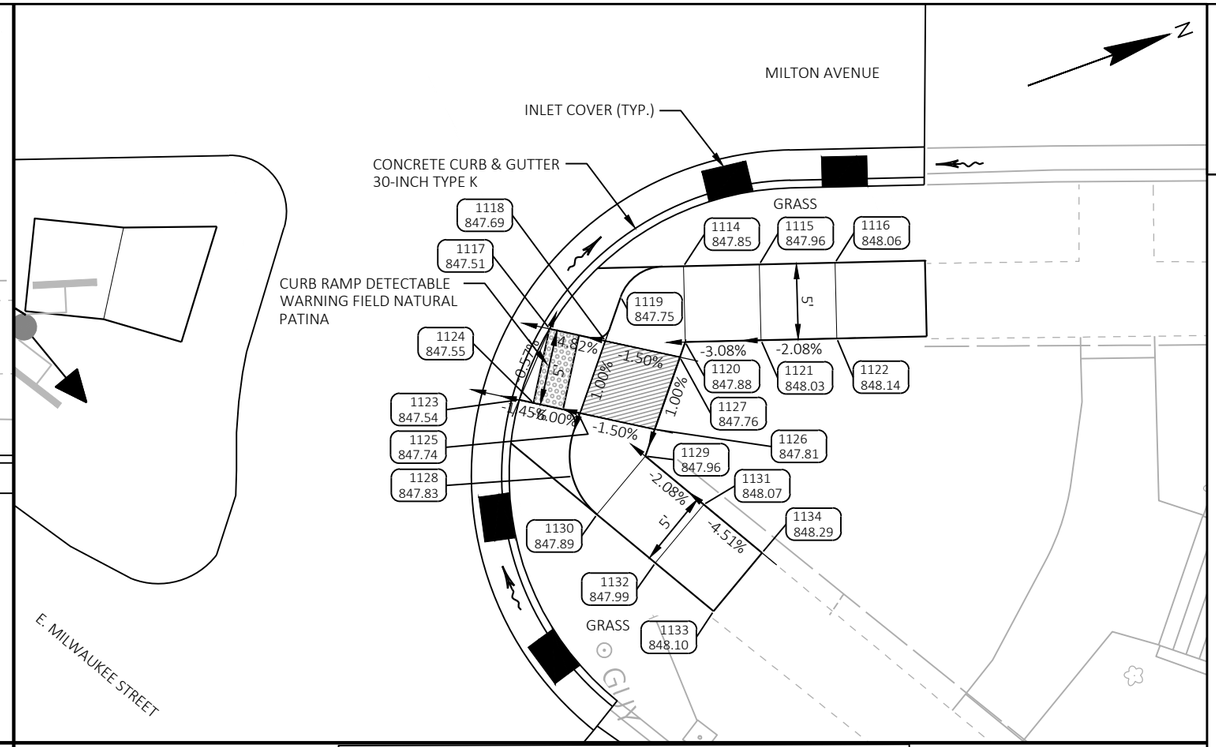
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2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.

CURB RAMP DETAIL LEGEND

- LANDING AREA (1.5% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL)
- DRAINAGE DIRECTION

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CURB RAMP DETAILS: S. ATWOOD AVENUE	SHEET 40	E





2

Milton CW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1100	31+75.39	30.25' LT	844.63	270065.72	494396.71
1101	31+80.87	30.25' LT	844.83	270070.86	494398.58
1102	31+85.39	30.25' LT	845.01	270075.12	494400.12
1103	31+90.39	30.25' LT	845.08	270079.82	494401.82
1104	31+95.39	30.25' LT	845.42	270084.52	494403.52
1105	32+00.39	30.25' LT	845.76	270089.22	494405.22
1106	31+75.39	25.25' LT	844.55	270064.01	494401.41
1107	31+80.87	25.25' LT	844.76	270069.16	494403.28
1108	31+85.39	25.25' LT	844.93	270073.42	494404.82
1109	31+90.39	25.25' LT	845.01	270078.12	494406.52
1110	31+95.39	25.25' LT	845.34	270082.82	494408.22
1111	32+00.39	25.25' LT	845.68	270087.52	494409.92
1112	31+85.39	20.25' LT	844.58	270071.71	494409.52
1113	31+90.39	20.25' LT	844.84	270076.42	494411.22

SE Milton Ave					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1114	32+38.62	28.28' RT	847.85	270105.24	494473.27
1115	32+43.61	28.17' RT	847.96	270109.97	494474.86
1116	32+48.61	28.05' RT	848.06	270114.71	494476.46
1117	32+29.77	32.41' RT	847.51	270095.51	494474.15
1118	32+33.46	33.21' RT	847.69	270098.71	494476.15
1119	32+34.47	30.32' RT	847.75	270100.64	494473.78
1120	32+38.73	33.28' RT	847.88	270103.64	494478.01
1121	32+43.73	33.16' RT	848.03	270108.38	494479.60
1122	32+48.73	33.05' RT	848.14	270113.12	494481.20
1123	32+27.79	37.10' RT	847.54	270092.05	494477.88
1124	32+28.72	37.30' RT	847.55	270092.85	494478.38
1125	32+31.79	37.97' RT	847.74	270095.52	494480.06
1126	32+36.72	39.03' RT	847.81	270099.79	494482.74
1127	32+38.38	34.28' RT	847.76	270102.97	494478.83
1128	32+31.28	42.15' RT	847.83	270093.61	494483.81
1129	32+36.10	40.81' RT	847.96	270098.60	494484.19
1130	32+32.91	44.66' RT	847.89	270094.29	494486.73
1131	32+39.95	44.00' RT	848.07	270101.14	494488.50
1132	32+36.76	47.85' RT	847.99	270096.83	494491.04
1133	32+40.61	51.04' RT	848.10	270099.36	494495.35
1134	32+43.80	47.19' RT	848.29	270103.67	494492.81

CURB RAMP DETAIL NOTES

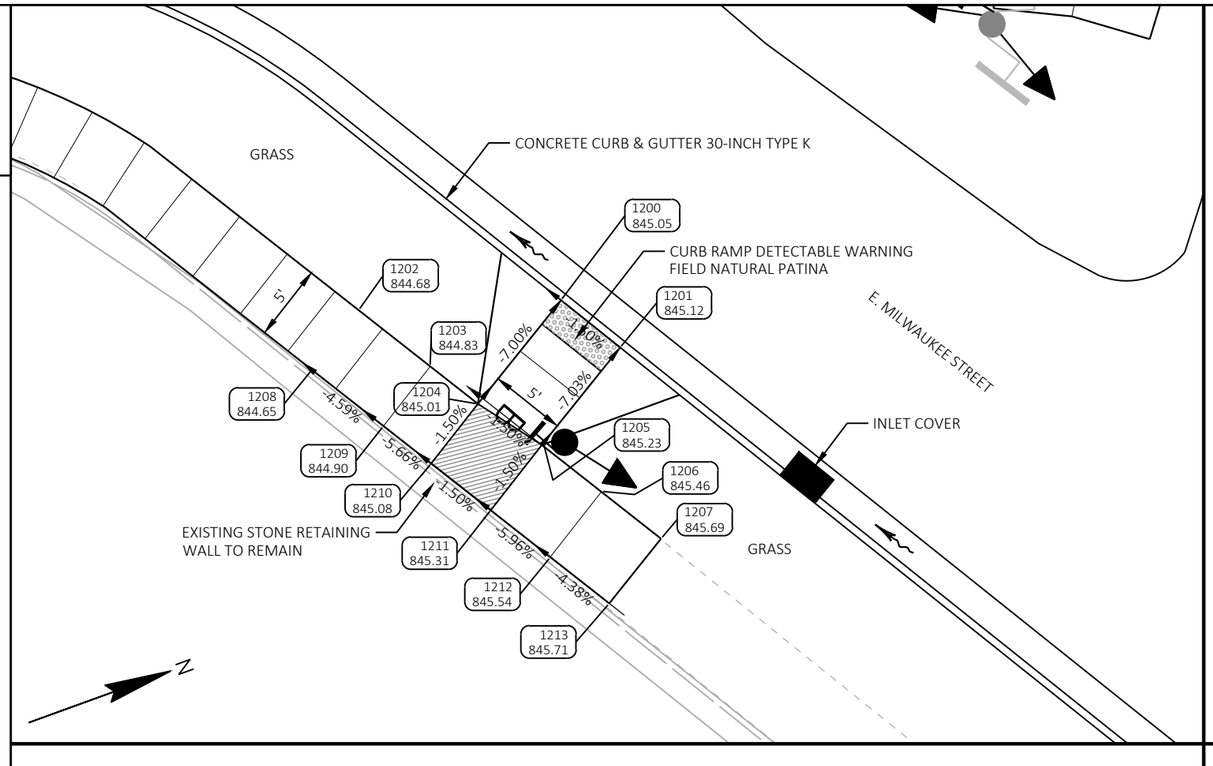
1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.

CURB RAMP DETAIL LEGEND

LANDING AREA (1.5% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL)

DRAINAGE DIRECTION

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CURB RAMP DETAILS: MILTON AVENUE	SHEET 41	E



SE Atwood & Milwaukee					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1200	31+66.64	50.50' RT	845.05	270029.99	494469.66
1201	31+70.54	53.62' RT	845.12	270032.60	494473.92
1202	31+53.29	51.16' RT	844.68	270017.22	494465.73
1203	31+58.01	54.86' RT	844.83	270020.40	494470.82
1204	31+61.16	57.33' RT	845.01	270022.51	494474.21
1205	31+65.38	60.05' RT	845.23	270025.56	494478.21
1206	31+69.31	63.14' RT	845.46	270028.20	494482.45
1207	31+73.24	66.23' RT	845.69	270030.85	494486.69
1208	31+50.21	55.09' RT	844.65	270012.98	494468.38
1209	31+54.93	58.80' RT	844.90	270016.15	494473.47
1210	31+58.07	61.27' RT	845.08	270018.27	494476.87
1211	31+62.00	64.36' RT	845.31	270020.92	494481.11
1212	31+65.94	67.44' RT	845.54	270023.56	494485.35
1213	31+69.83	70.50' RT	845.71	270026.18	494489.55

CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.

CURB RAMP DETAIL LEGEND

LANDING AREA (1.5% SLOPE IN ANY DIRECTION OF PEDESTRIAN TRAVEL)

DRAINAGE DIRECTION

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CURB RAMP DETAILS: E. MILWAUKEE STREET	SHEET 42	E

2

(SOUTH SIDE OF E. WALL STREET INTERSECTION)

N. MAIN STREET

N. PARKER DRIVE

BRENNAN STEIL SC
1 E. MILWAUKEE STREET

101 E. MILWAUKEE STREET LLC
101 E. MILWAUKEE STREET

KC GROUP LLC
109 E. MILWAUKEE STREET

KIMBALL PROPERTIES 117 LLC
117 E. MILWAUKEE STREET

FARROKH SHAHLAPOUR
JALEH SHAHLAPOUR
121 E. MILWAUKEE STREET

MARIO GALASSINI
KRISTINE GALASSINI
119 E. MILWAUKEE STREET

CARRIAGE WORKS
REAL ESTATE LLC
14 N. PARKER DR.

JEVNE ARREAZOLA
PATRICIA ARREAZOLA
205 E. MILWAUKEE STREET

RM CALNAVEZ COMPANY
209 E. MILWAUKEE STREET

BP: 16+43.79

E. MILWAUKEE STREET

17+00 18+00 19+00 20+00 21+00 22+00

MATCHLINE STA. 22+25

(FIRST INLETS SOUTHWEST OF PROJECT LIMITS)

S. MAIN STREET

S. PARKER DRIVE

GRAFFT IRREVOCABLE TRUST
20 E. MILWAUKEE STREET

ROCK COUNTY NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

ROCK COUNTY NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

APG REAL PROPERTIES LLC
1 S. PARKER DRIVE

EROSION CONTROL LEGEND

- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SLOPE INTERCEPTS
- DRAINAGE FLOW ARROW

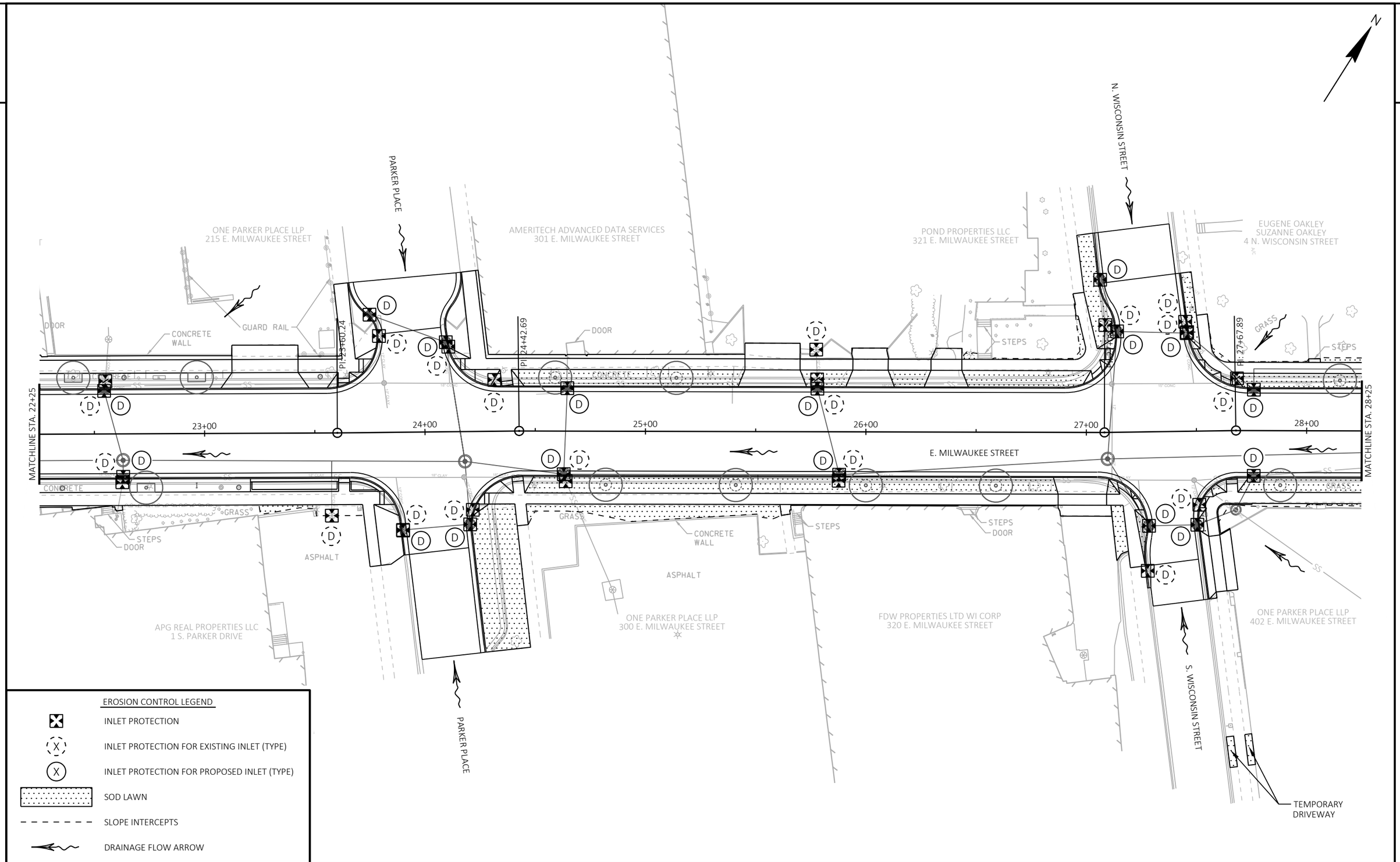
(FIRST INLET SOUTHEAST OF PROJECT LIMITS)

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	EROSION CONTROL	SHEET 43	E

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LAYOUT NAME - 022001-ec

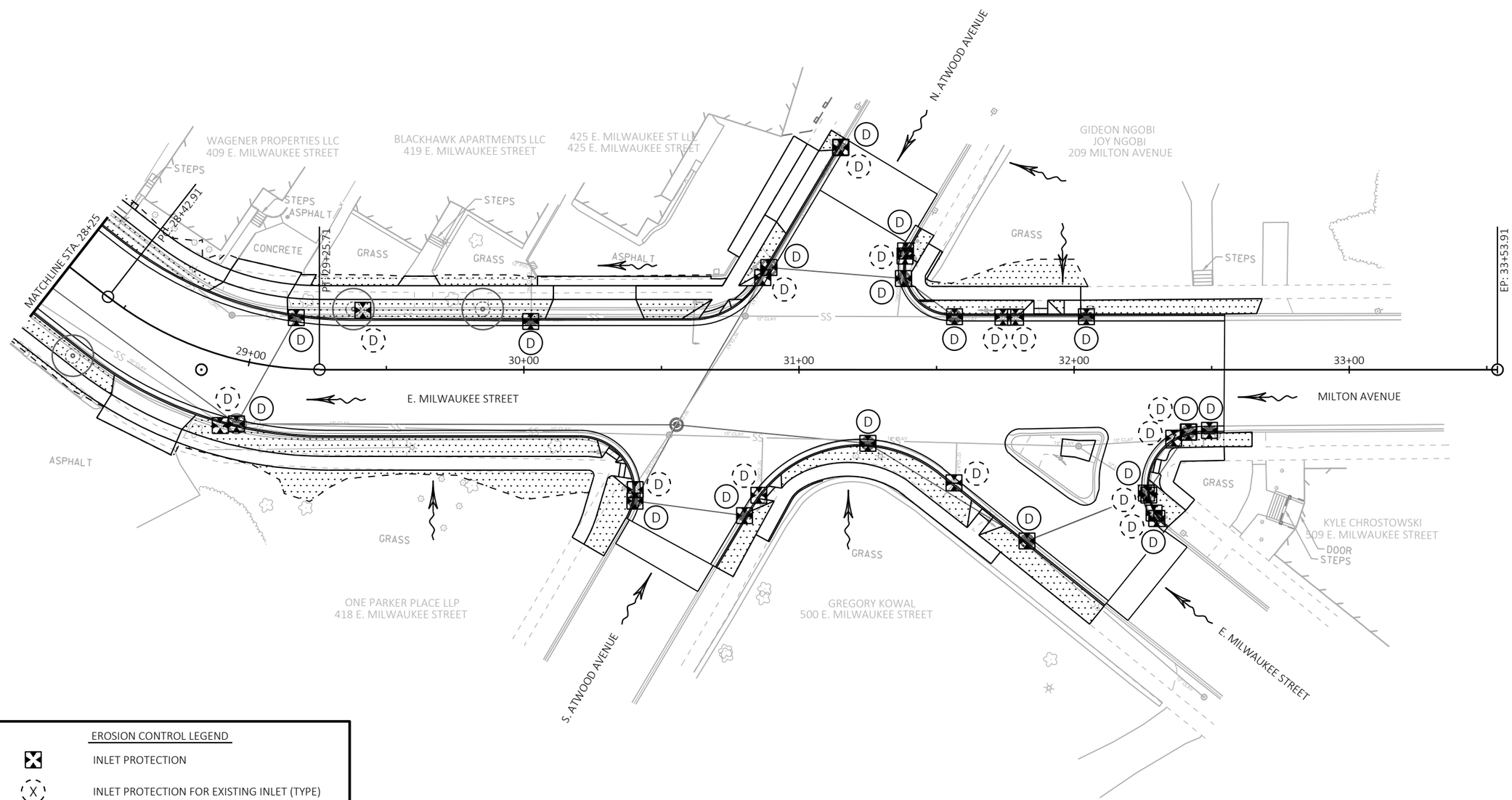
PLOT DATE : 7/24/2022 11:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	EROSION CONTROL	SHEET 44	E

2



EROSION CONTROL LEGEND

- INLET PROTECTION
- INLET PROTECTION FOR EXISTING INLET (TYPE)
- INLET PROTECTION FOR PROPOSED INLET (TYPE)
- SOD LAWN
- SLOPE INTERCEPTS
- DRAINAGE FLOW ARROW

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	EROSION CONTROL	SHEET 45	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022003-ec

PLOT DATE : 10/24/2022 8:24 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

BRENNAN STEIL SC
1 E. MILWAUKEE STREET

101 E. MILWAUKEE STREET LLC
101 E. MILWAUKEE STREET

KC GROUP LLC
109 E. MILWAUKEE STREET

KIMBALL PROPERTIES 117 LLC
117 E. MILWAUKEE STREET

FARROKH SHAHLAPOUR-
JALEH SHAHLAPOUR
121 E. MILWAUKEE STREET

MARIO
KRISTINE GALASSINI
119 E. MILWAUKEE STREET

RM CALNAVEZ COMPANY
209 E. MILWAUKEE STREET

N. MAIN STREET

S. MAIN STREET

N. PARKER DRIVE

S. PARKER DRIVE

E. MILWAUKEE STREET

BP: 16+43.79

REMOVING INLETS
REMOVING STORM SEWER 24-INCH
STA 17+84.00, 22.50' LT
INLETS 2x3-H-SL
1.1A
REMOVING INLETS
REMOVING STORM SEWER 18-INCH
BM#1
REMOVING MANHOLES
REMOVING STORM SEWER 36-INCH
REMOVING MANHOLES
CONCRETE COLLARS FOR PIPE
INSULATION BOARD POLYSTYRENE
2-INCH (TYP.)
RECONNECT 6-INCH STORM SEWER LATERAL
INTO STRUCTURE 1.1C
1.1C
STA 18+25.00, 22.50' LT
INLETS 2x3-H-SL
REMOVING STORM
SEWER 24-INCH
REMOVING INLETS
REMOVING STORM
SEWER 12-INCH
REMOVING MANHOLES
STA 20+73.92, 63.80' LT
INLETS 4-H-SL-LP
1.3H
STA 20+37.83, 42.76' LT
INLETS 4-H-SL
1.3A
REMOVING STORM
SEWER 12-INCH
REMOVING MANHOLES
BM#2
REMOVING STORM
SEWER 12-INCH
CAUTION
RECONNECT EXISTING 12-INCH STORM SEWER PIPE INTO STRUCTURE 1.3H
REMOVING STORM SEWER 12-INCH
1.3B
STA 20+76.61, 42.76' LT
INLETS 4-H-SL
RECONNECT STORM SEWER LATERAL INTO STRUCTURE 1.3B
REMOVING STORM SEWER 8-INCH
REMOVING INLETS
REMOVING
STORM
SEWER
12-INCH
1.3C
STA 21+11.00, 19.50' LT
INLETS 2x3-H-SL
REMOVING INLETS
REMOVING STORM
SEWER 12-INCH
RECONNECT STORM SEWER
LATERAL INTO STRUCTURE 1.3D
REMOVING STORM
SEWER 24-INCH
BM#3
1.3D
STA 21+63.50, 19.50' LT
INLETS 2x3-H-SL
1.3
STA 20+45.00, 12.00' RT
MANHOLES 5-SL
REMOVING MANHOLES
MATCHLINE STA. 22+25
REMOVING INLETS
1.1D
STA 17+94.00, 21.00' RT
INLETS 2x3-H-SL
DO NOT DISTURB PRIVATE STORM
SEWER CLEAN OUT AND LATERAL,
ADJUSTING STORM SEWER CLEAN OUT
REMOVING STORM SEWER 18-INCH
1.1
STA 17+84.00, 13.25' RT
MANHOLES 7-SL
REMOVING INLETS
1.1B
STA 17+84.00, 21.00' RT
INLETS 2x3-H-SL
REMOVING STORM SEWER 30-INCH
REMOVING MANHOLES
REMOVING STORM SEWER 36-INCH
REMOVING STORM
SEWER 12-INCH
REMOVING INLETS
1.2
STA 19+05.00, 20.37' RT
MANHOLES 5-H-SL
RECAP EXISTING STORM SEWER LATERAL
AFTER DISTURBANCE
REMOVING STORM SEWER 18-INCH
REMOVING STORM SEWER 12-INCH
REMOVING INLETS
1.3E
STA 20+47.10, 41.50' RT
INLETS 4-H-SL
REMOVING STORM
SEWER 12-INCH
REMOVING STORM
SEWER 12-INCH
REMOVING STORM
SEWER 12-INCH
REMOVING MANHOLES
RECONNECT STORM SEWER
LATERAL INTO 30-INCH RCP
STORM SEWER PIPE (SEE STORM
SEWER PIPE TAP DETAIL)
1.3G
STA 21+11.00, 19.50' RT
INLETS 2x3-H-SL
REMOVING STORM SEWER 18-INCH
RECONNECT 8" PVC STORM SEWER LATERAL INTO
STRUCTURE 1.3F
REMOVING STORM SEWER 8-INCH
REMOVING STORM SEWER 12-INCH
REMOVING INLETS
1.3F
STA 20+87.02, 44.79' RT
INLETS 2x3-H-SL-LP

BENCHMARKS				
NO.	STATION	OFFSET	ELEV.	DESCRIPTION
BM#1	16+95.4	39.5' LT.	777.79	BURY BOLT HYDRANT
BM#2	20+19.8	25.4' LT.	790.07	TOP NUT HYDRANT
BM#3	21+02.9	24.7' LT.	794.12	TOP NUT HYDRANT

NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.

PROPOSED ℄ PROFILE
EXISTING ℄ PROFILE

1.1
Rim = 777.79

1.2
Rim = 782.14

1.3
Rim = 788.18

121 L.F.-SSPRC CLASS III 36-INCH @ 4.94%
1.1 Inv. = 770.34
1.2 Inv. = 776.33

50 L.F.-SSPRC CLASS III 48-INCH @ 4.32% (MATCH EXISTING PIPE SLOPE)
Inv. = 767.18
1.1 Inv. = 769.34

CONCRETE COLLARS FOR PIPE

EXISTING 48" CONCRETE
STORM SEWER PIPE
TO REMAIN

CONNECT TO EXISTING 48" CONCRETE
STORM SEWER PIPE
Inv. = 767.18

218 L.F.-SSPRC CLASS III 30-INCH @ 3.21%
1.3 Inv. = 782.50
2.1 Inv. = 789.50

RECONNECT 8-INCH
STORM SEWER LATERAL
INTO 30-INCH RCP
STORM SEWER PIPE
(SEE STORM SEWER
PIPE TAP DETAIL)

EXISTING 8" CLAY
SANITARY SEWER PIPE
Inv. = 779.17

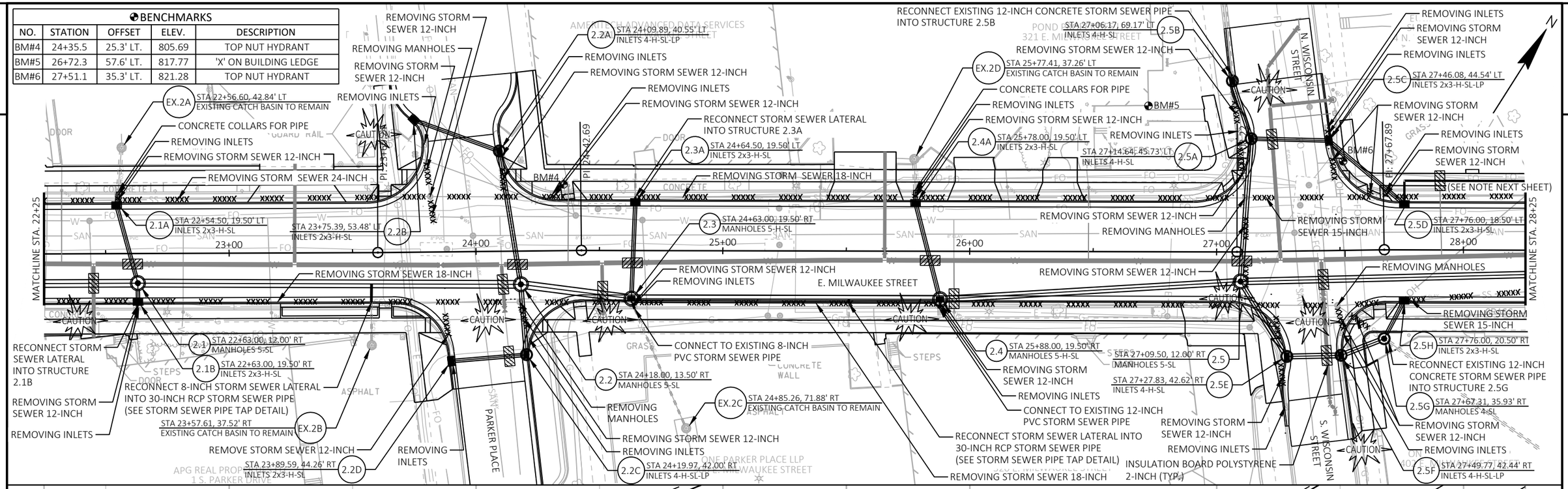
140 L.F.-SSPRC CLASS III 36-INCH @ 4.04%
1.2 Inv. = 776.33
1.3 Inv. = 782.00

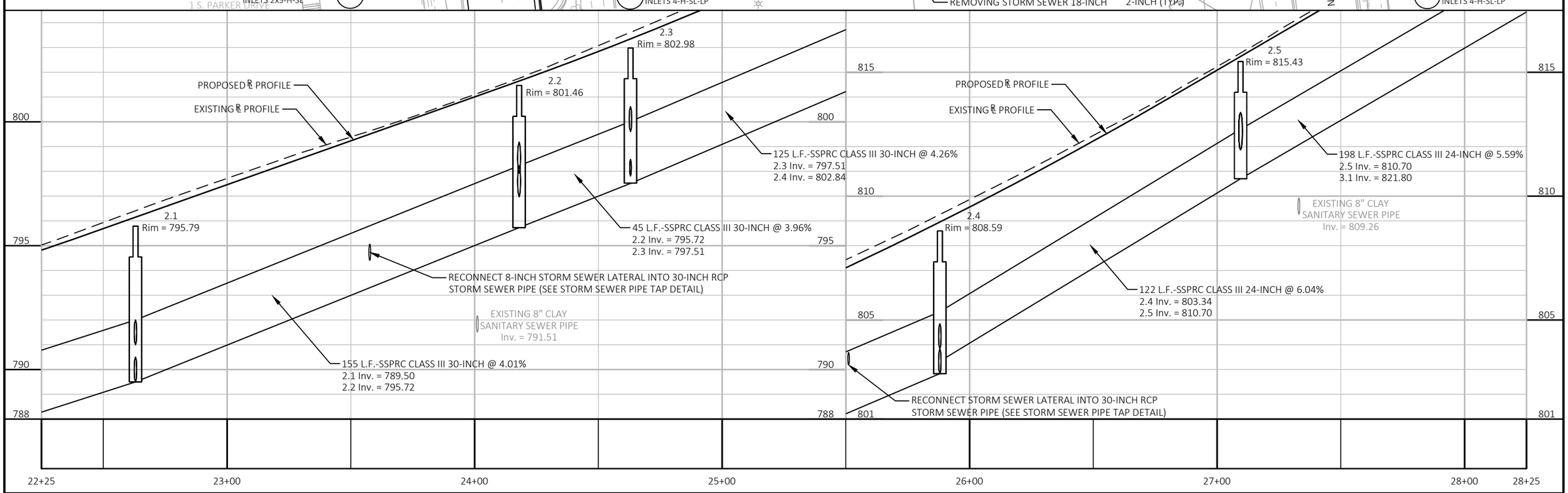
780 775 770 767
790 785 780 778

16+44 17+00 18+00 19+00 20+00 21+00 22+00 22+25

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	STORM SEWER	SHEET 46	E

BENCHMARKS				
NO.	STATION	OFFSET	ELEV.	DESCRIPTION
BM#4	24+35.5	25.3' LT.	805.69	TOP NUT HYDRANT
BM#5	26+72.3	57.6' LT.	817.77	'X' ON BUILDING LEDGE
BM#6	27+51.1	35.3' LT.	821.28	TOP NUT HYDRANT





PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	STORM SEWER	SHEET 47	E

2

EX. 2-4 STA 28+29.86, 36.78' LT EXISTING CULVERT INLET TO REMAIN

INSTALL BENDS AS NECESSARY TO RECONNECT STORM SEWER LATERAL INTO STRUCTURE 2.5D (PIPE TO BE INSTALLED UNDER SIDEWALK)

P: 28+42.91

MATCHLINE STA. 28+25

REMOVING STORM SEWER 15-INCH

REMOVING MANHOLES

REMOVING STORM SEWER 15-INCH

3.1A STA 29+15.84, 18.57' LT INLETS 2x3-H-SL

REMOVING INLETS

REMOVING STORM SEWER 12-INCH

PIPE: 29+25.71

EX.3A STA 30+03.28, 37.64' LT EXISTING INLET TO REMAIN

RECONNECT EXISTING 12-INCH CONCRETE STORM SEWER PIPE IN TO STRUCTURE 3.1B

STA 30+02.50, 17.50' LT INLETS 2x3-H-SL 3.1B

REMOVING MANHOLES

REMOVING STORM SEWER 15-INCH

REMOVING STORM SEWER 15-INCH

REMOVING INLETS

STA 29+00.00, 22.80' RT MANHOLES 6-H-SL 3.1

REMOVING STORM SEWER 15-INCH

EX.2E STA 28+46.31, 93.12' RT EXISTING CATCH BASIN TO REMAIN

STA 30+55.50, 20.00' RT MANHOLES 4-SL 3.2

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

STA 30+40.39, 47.70' RT INLETS 4-H-SL 3.2G

INSULATION BOARD POLYSTYRENE 2-INCH (TYP.)

STA 30+80.22, 53.02' RT INLETS 2x3-H-SL-LP 3.2H

REMOVING STORM SEWER 12-INCH

STA 30+89.05, 37.13' LT MANHOLES 5-H-SL 3.2A

REMOVING INLETS

REMOVING STORM SEWER 12-INCH

REMOVING STORM SEWER 15-INCH

REMOVING INLETS

REMOVING MANHOLES

REMOVING STORM SEWER 15-INCH

CONCRETE PIPE SUPPORT (SEE CONSTRUCTION DETAILS)

REMOVING STORM SEWER 15-INCH

3.3 STA 31+25.05, 26.76' RT INLETS 4-H-SL

REMOVING MANHOLES

BM#7

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

STA 31+82.88, 62.19' RT INLETS 4-H-SL 3.4

RECONNECT EXISTING 12-INCH CLAY STORM SEWER PIPE

3.2B STA 31+15.10, 80.65' LT INLETS 2x3-H-SL

REMOVING INLETS

3.2D STA 31+38.77, 43.16' LT INLETS 2x3-H-SL-LP

3.2C STA 31+38.00, 33.12' LT INLETS 4-H-SL

REMOVING STORM SEWER 12-INCH

3.2E STA 31+56.56, 19.25' LT INLETS 4-H-SL

REMOVING INLETS

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

3.2F STA 32+04.50, 19.25' LT INLETS 2x3-H-SL

REMOVING STORM SEWER 12-INCH

ABANDONING MANHOLES (INCLUDES CASTING REMOVAL)

SEALING PIPES

REMOVING INLETS

REMOVING STORM SEWER 15-INCH

3.4B STA 32+41.51, 22.65' RT INLETS 4-H-SL-LP

3.4C STA 32+49.24, 22.03' RT INLETS 2x3-H-SL

RECONNECT 6-INCH CLAY STORM SEWER LATERAL INTO STRUCTURE 3.4B

REMOVING STORM SEWER 15-INCH

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

3.4A STA 32+26.30, 44.85' RT INLETS 4-H-SL

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

3.4D STA 32+30.05, 54.03' RT INLETS 2x3-H-SL

CONCRETE PIPE SUPPORT (SEE CONSTRUCTION DETAILS)

EP: 33+53.91

MILTON AVENUE

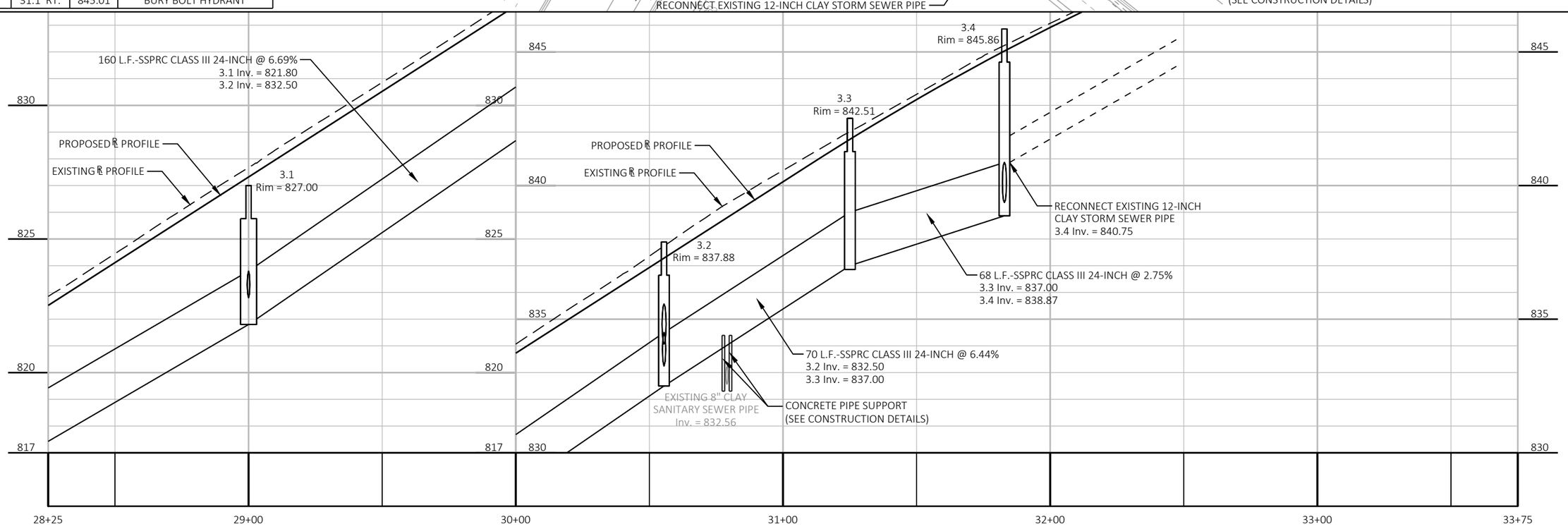
E. MILWAUKEE STREET

S. ATWOOD AVENUE

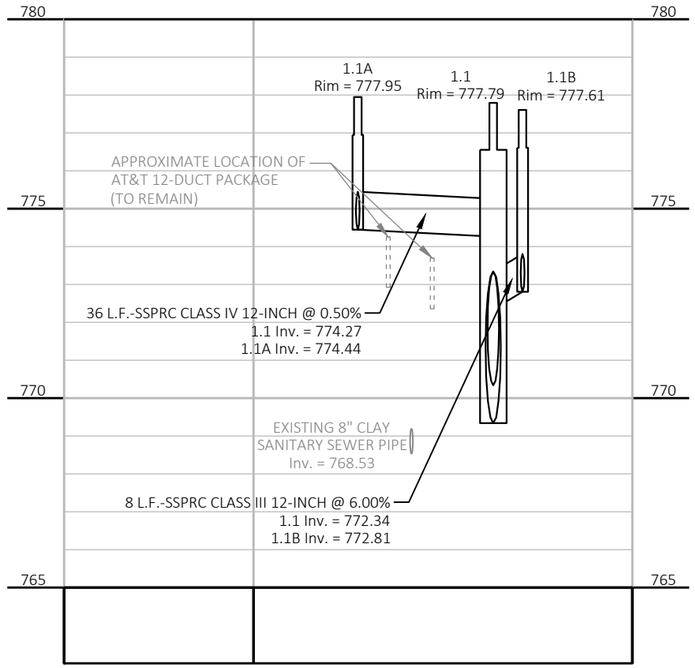
N. ATWOOD AVENUE

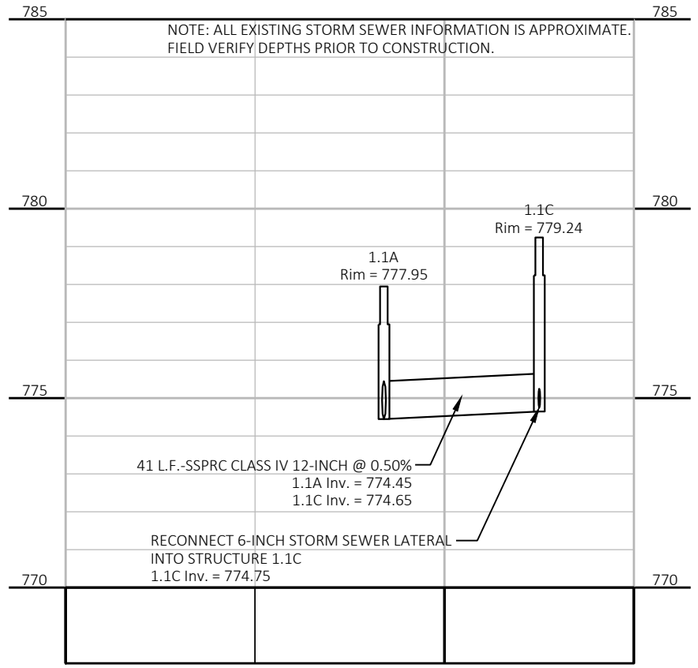
29+00 30+00 31+00 32+00 33+00

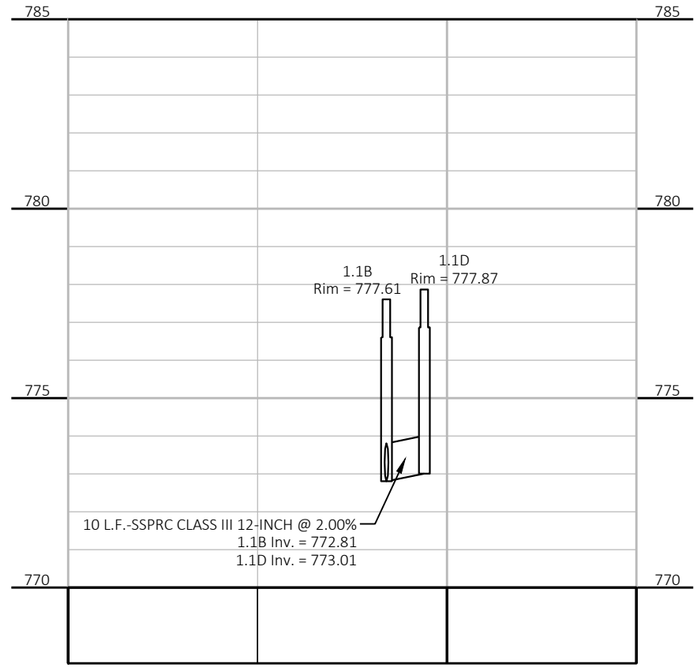
BENCHMARKS				
NO.	STATION	OFFSET	ELEV.	DESCRIPTION
BM#7	31+20.7	31.1' RT.	845.01	BURY BOLT HYDRANT

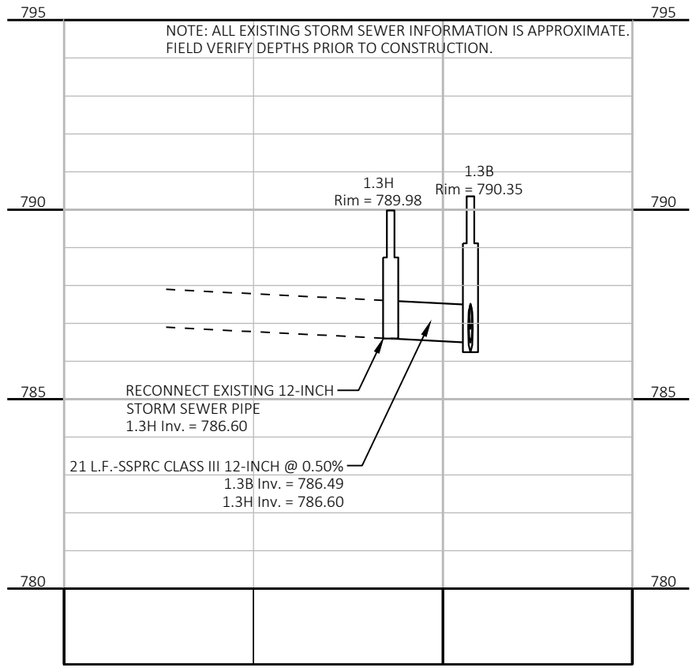


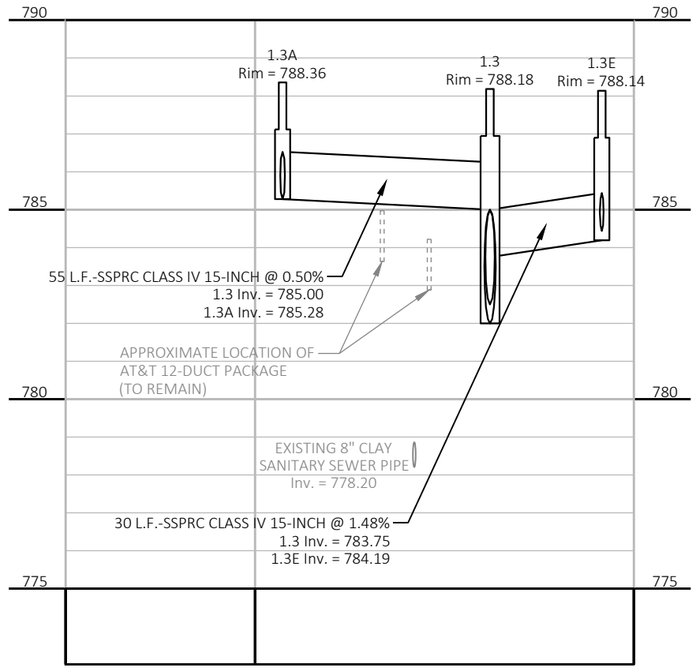
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	STORM SEWER	SHEET 48	E

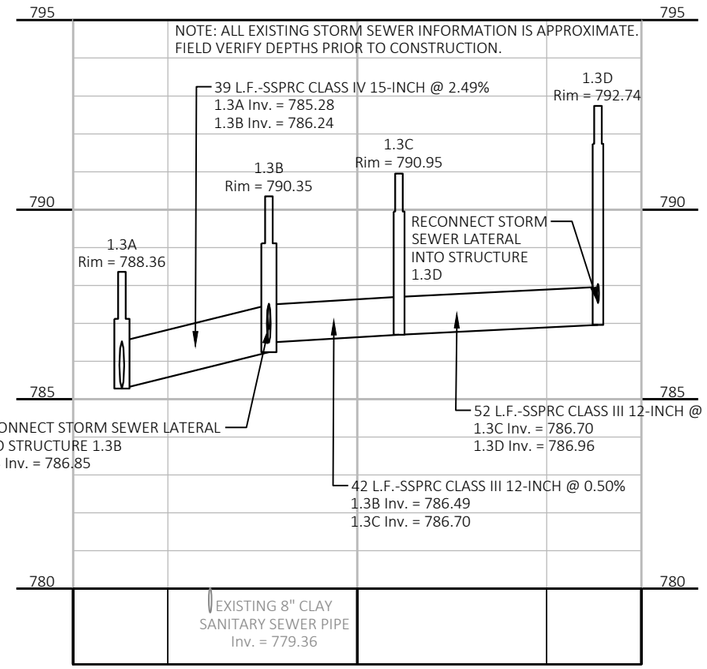

780
775
770
765
1.1A
Rim = 777.95
1.1
Rim = 777.79
1.1B
Rim = 777.61
APPROXIMATE LOCATION OF
AT&T 12-DUCT PACKAGE
(TO REMAIN)
36 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
1.1 Inv. = 774.27
1.1A Inv. = 774.44
EXISTING 8" CLAY
SANITARY SEWER PIPE
Inv. = 768.53
8 L.F.-SSPRC CLASS III 12-INCH @ 0.6.00%
1.1 Inv. = 772.34
1.1B Inv. = 772.81

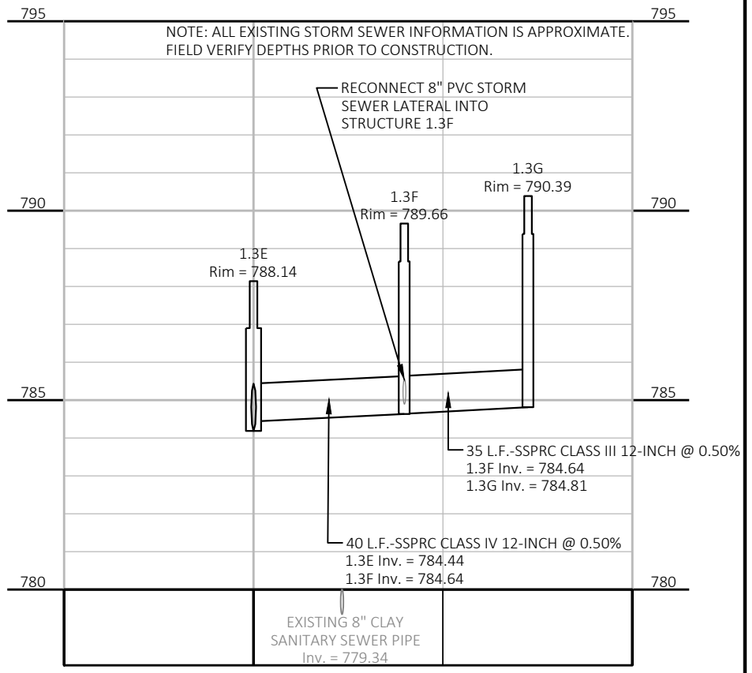

NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.
785
780
775
770
1.1C
Rim = 779.24
1.1A
Rim = 777.95
41 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
1.1A Inv. = 774.45
1.1C Inv. = 774.65
RECONNECT 6-INCH STORM SEWER LATERAL
INTO STRUCTURE 1.1C
1.1C Inv. = 774.75

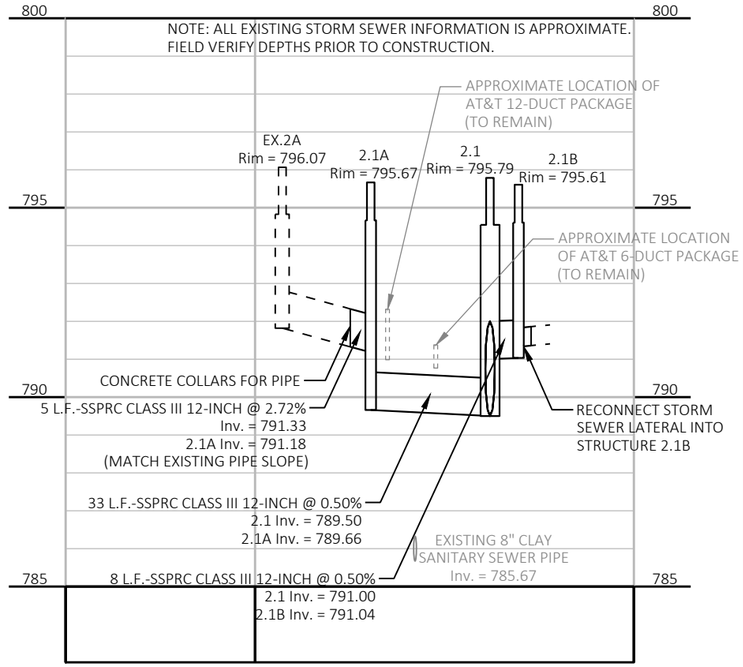

785
780
775
770
1.1B
Rim = 777.61
1.1D
Rim = 777.87
10 L.F.-SSPRC CLASS III 12-INCH @ 2.00%
1.1B Inv. = 772.81
1.1D Inv. = 773.01

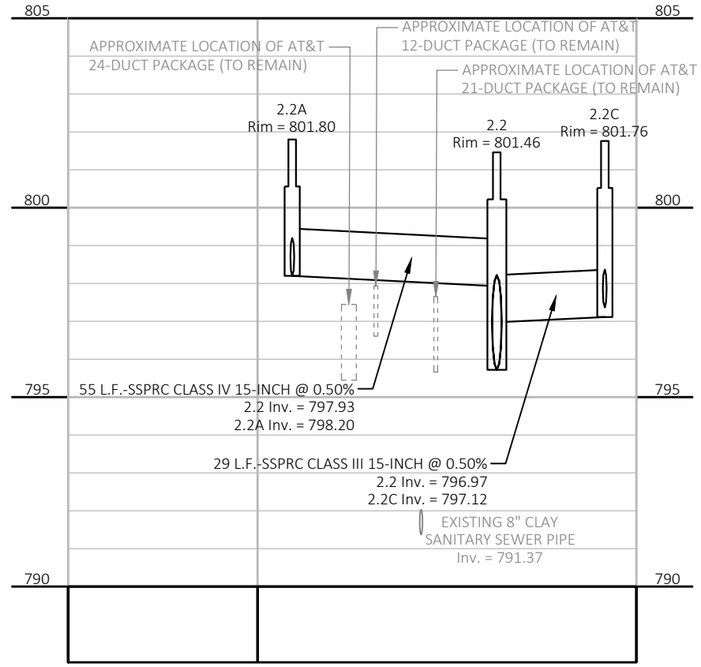

NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.
795
790
785
780
1.3H
Rim = 789.98
1.3B
Rim = 790.35
RECONNECT EXISTING 12-INCH
STORM SEWER PIPE
1.3H Inv. = 786.60
21 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
1.3B Inv. = 786.49
1.3H Inv. = 786.60


790
785
780
775
1.3A
Rim = 788.36
1.3
Rim = 788.18
1.3E
Rim = 788.14
55 L.F.-SSPRC CLASS IV 15-INCH @ 0.50%
1.3 Inv. = 785.00
1.3A Inv. = 785.28
APPROXIMATE LOCATION OF
AT&T 12-DUCT PACKAGE
(TO REMAIN)
EXISTING 8" CLAY
SANITARY SEWER PIPE
Inv. = 778.20
30 L.F.-SSPRC CLASS IV 15-INCH @ 1.48%
1.3 Inv. = 783.75
1.3E Inv. = 784.19

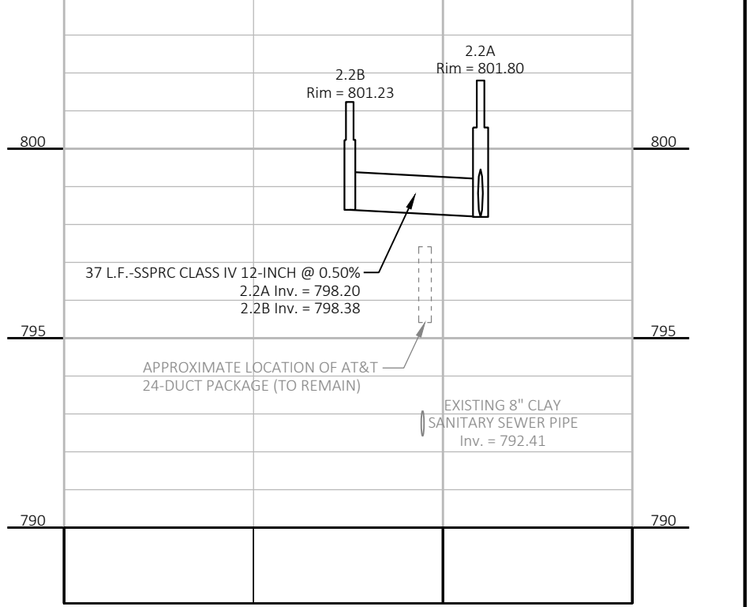

NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.
795
790
785
780
39 L.F.-SSPRC CLASS IV 15-INCH @ 2.49%
1.3A Inv. = 785.28
1.3B Inv. = 786.24
1.3D
Rim = 792.74
1.3C
Rim = 790.95
1.3B
Rim = 790.35
1.3A
Rim = 788.36
RECONNECT STORM
SEWER LATERAL
INTO STRUCTURE
1.3D
RECONNECT STORM SEWER LATERAL
INTO STRUCTURE 1.3B
1.3B Inv. = 786.85
52 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
1.3C Inv. = 786.70
1.3D Inv. = 786.96
42 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
1.3B Inv. = 786.49
1.3C Inv. = 786.70
EXISTING 8" CLAY
SANITARY SEWER PIPE
Inv. = 779.36

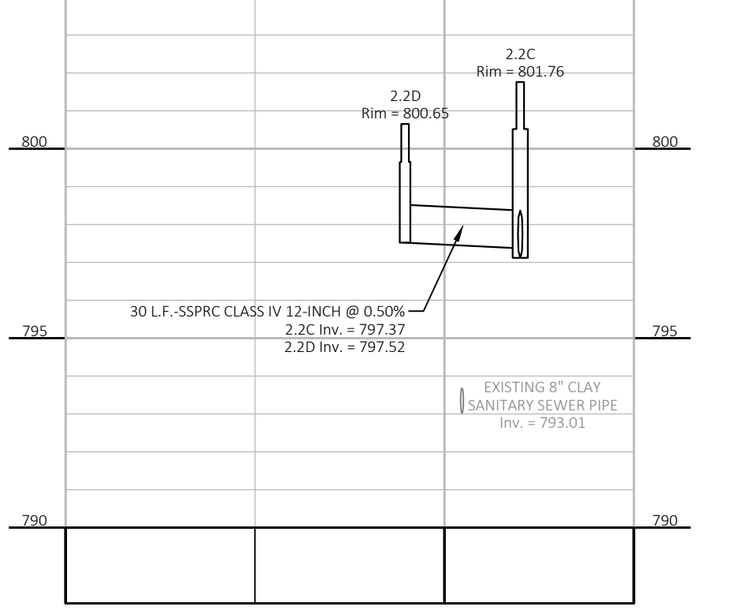

NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.
RECONNECT 8" PVC STORM SEWER LATERAL INTO STRUCTURE 1.3F
1.3E
Rim = 788.14
1.3F
Rim = 789.66
1.3G
Rim = 790.39
35 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
1.3F Inv. = 784.64
1.3G Inv. = 784.81
40 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
1.3E Inv. = 784.44
1.3F Inv. = 784.64
EXISTING 8" CLAY SANITARY SEWER PIPE
Inv. = 779.34
795
790
785
780

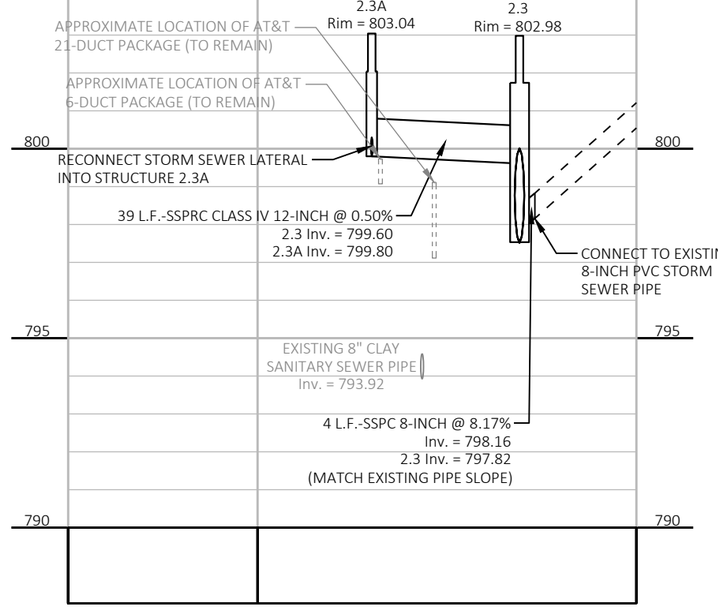

NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.
APPROXIMATE LOCATION OF AT&T 12-DUCT PACKAGE (TO REMAIN)
APPROXIMATE LOCATION OF AT&T 6-DUCT PACKAGE (TO REMAIN)
EX.2A
Rim = 796.07
2.1A
Rim = 795.67
2.1
Rim = 795.79
2.1B
Rim = 795.61
CONCRETE COLLARS FOR PIPE
5 L.F.-SSPRC CLASS III 12-INCH @ 2.72%
Inv. = 791.33
2.1A Inv. = 791.18
(MATCH EXISTING PIPE SLOPE)
RECONNECT STORM SEWER LATERAL INTO STRUCTURE 2.1B
33 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
2.1 Inv. = 789.50
2.1A Inv. = 789.66
EXISTING 8" CLAY SANITARY SEWER PIPE
Inv. = 785.67
8 L.F.-SSPRC CLASS III 12-INCH @ 0.50%
2.1 Inv. = 791.00
2.1B Inv. = 791.04
800
795
790
785

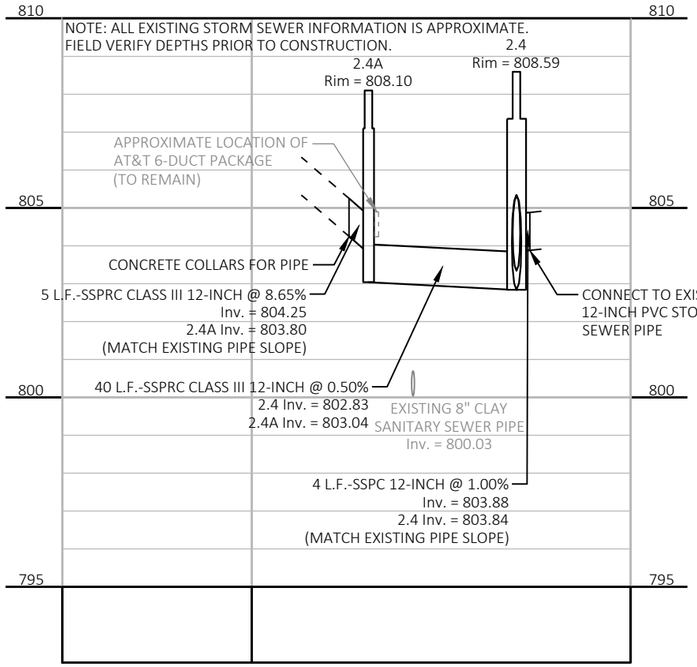

APPROXIMATE LOCATION OF AT&T 24-DUCT PACKAGE (TO REMAIN)
APPROXIMATE LOCATION OF AT&T 12-DUCT PACKAGE (TO REMAIN)
APPROXIMATE LOCATION OF AT&T 21-DUCT PACKAGE (TO REMAIN)
2.2A
Rim = 801.80
2.2
Rim = 801.46
2.2C
Rim = 801.76
55 L.F.-SSPRC CLASS IV 15-INCH @ 0.50%
2.2 Inv. = 797.93
2.2A Inv. = 798.20
29 L.F.-SSPRC CLASS III 15-INCH @ 0.50%
2.2 Inv. = 796.97
2.2C Inv. = 797.12
EXISTING 8" CLAY SANITARY SEWER PIPE
Inv. = 791.37
805
800
795
790

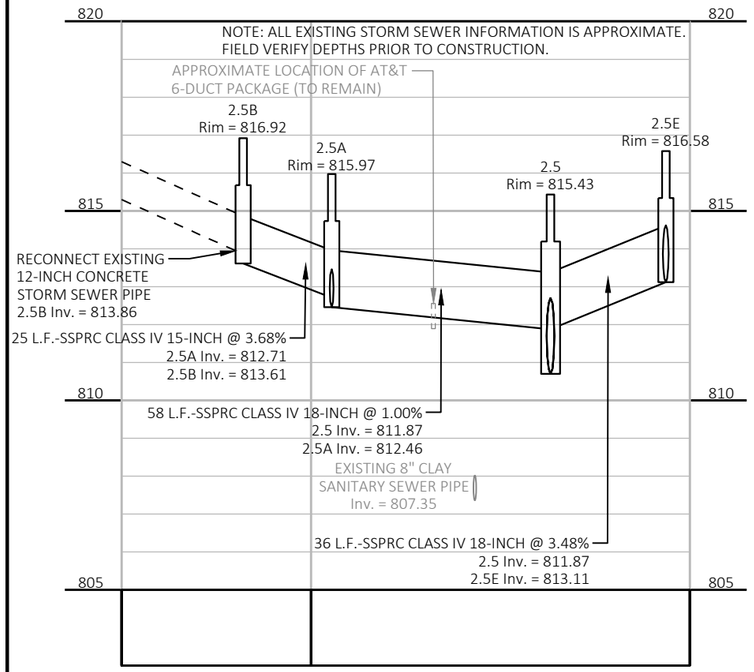
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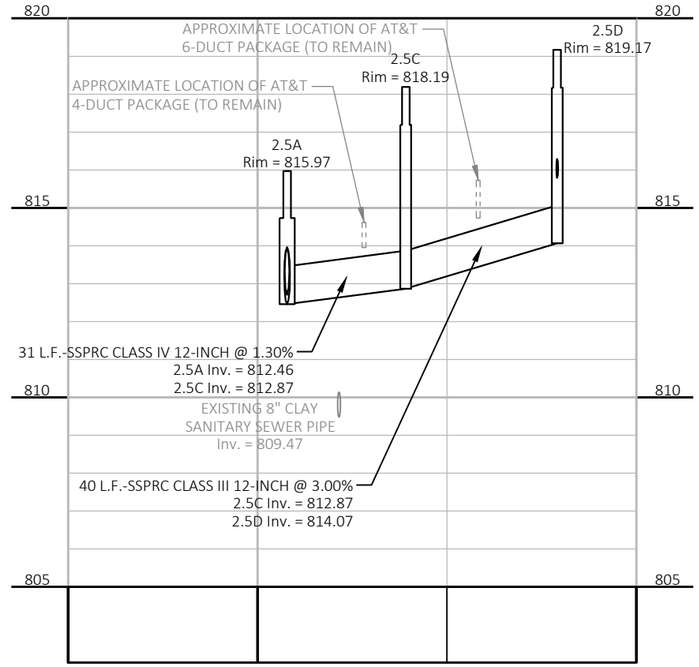

2.2B
Rim = 801.23
2.2A
Rim = 801.80
37 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.2A Inv. = 798.20
2.2B Inv. = 798.38
APPROXIMATE LOCATION OF AT&T 24-DUCT PACKAGE (TO REMAIN)
EXISTING 8" CLAY SANITARY SEWER PIPE
Inv. = 792.41
805
800
795
790

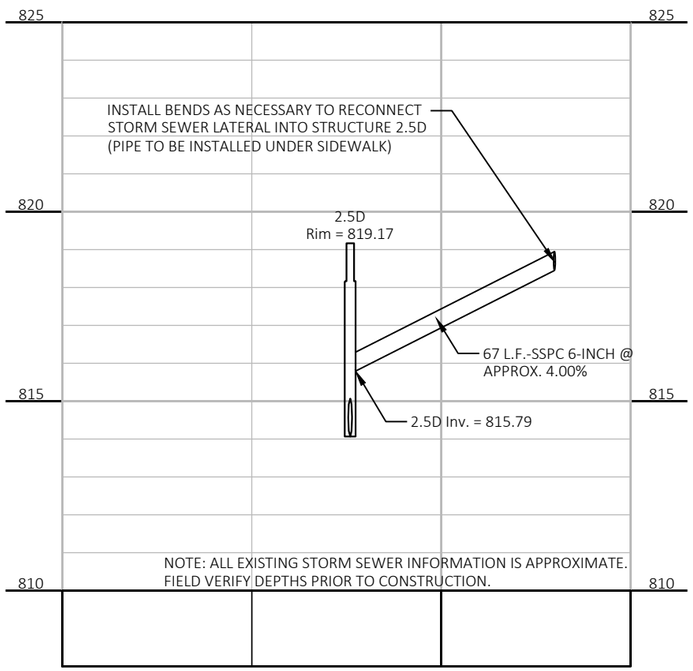

2.2D
Rim = 800.65
2.2C
Rim = 801.76
30 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.2C Inv. = 797.37
2.2D Inv. = 797.52
EXISTING 8" CLAY SANITARY SEWER PIPE
Inv. = 793.01
805
800
795
790

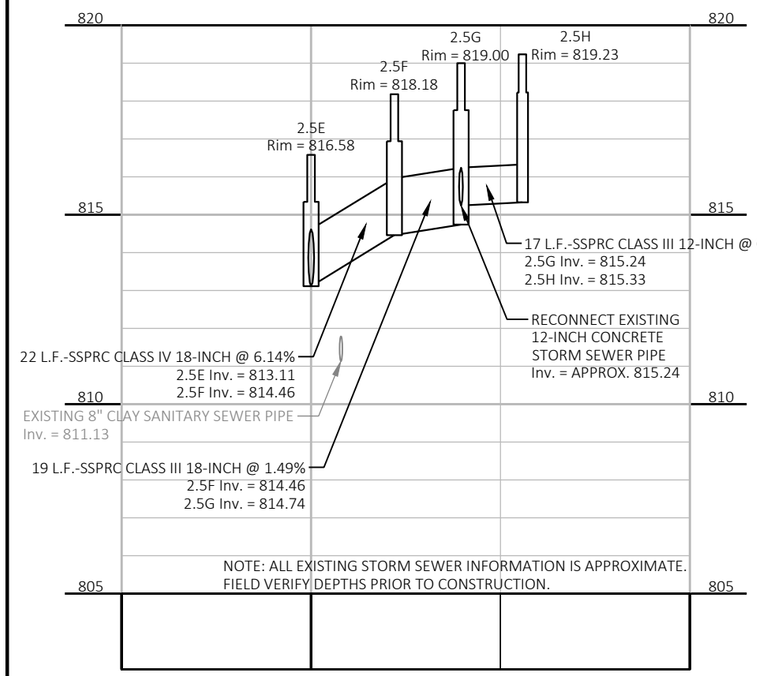

NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.
APPROXIMATE LOCATION OF AT&T 21-DUCT PACKAGE (TO REMAIN)
APPROXIMATE LOCATION OF AT&T 6-DUCT PACKAGE (TO REMAIN)
2.3A
Rim = 803.04
2.3
Rim = 802.98
RECONNECT STORM SEWER LATERAL INTO STRUCTURE 2.3A
39 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.3 Inv. = 799.60
2.3A Inv. = 799.80
CONNECT TO EXISTING 8-INCH PVC STORM SEWER PIPE
EXISTING 8" CLAY SANITARY SEWER PIPE
Inv. = 793.92
4 L.F.-SSPC 8-INCH @ 8.17%
Inv. = 798.16
2.3 Inv. = 797.82
(MATCH EXISTING PIPE SLOPE)
805
800
795
790

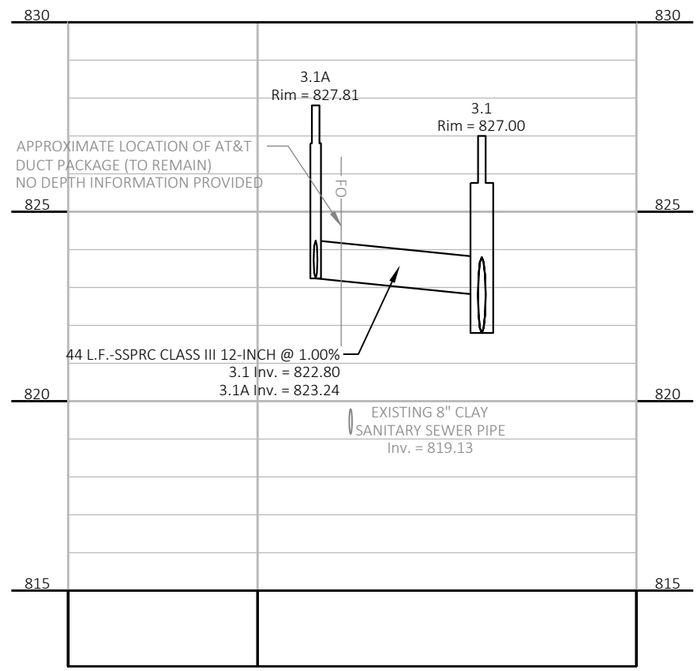




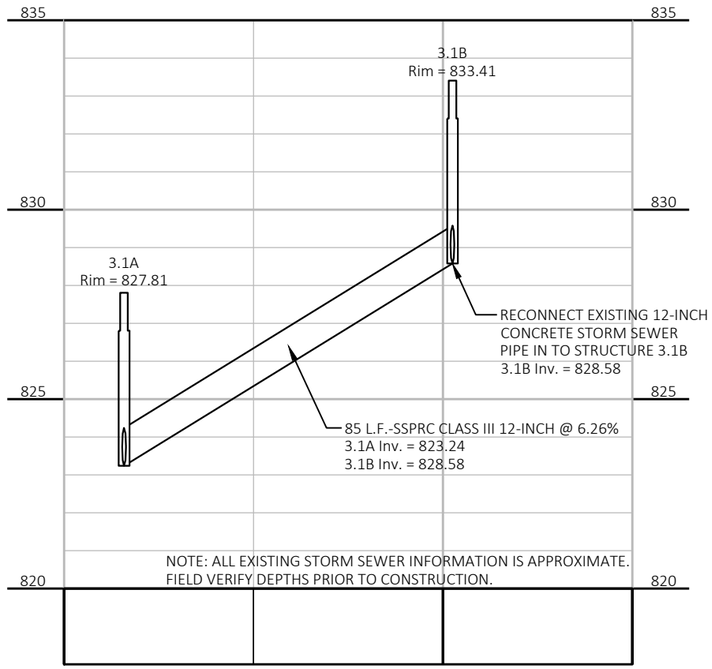


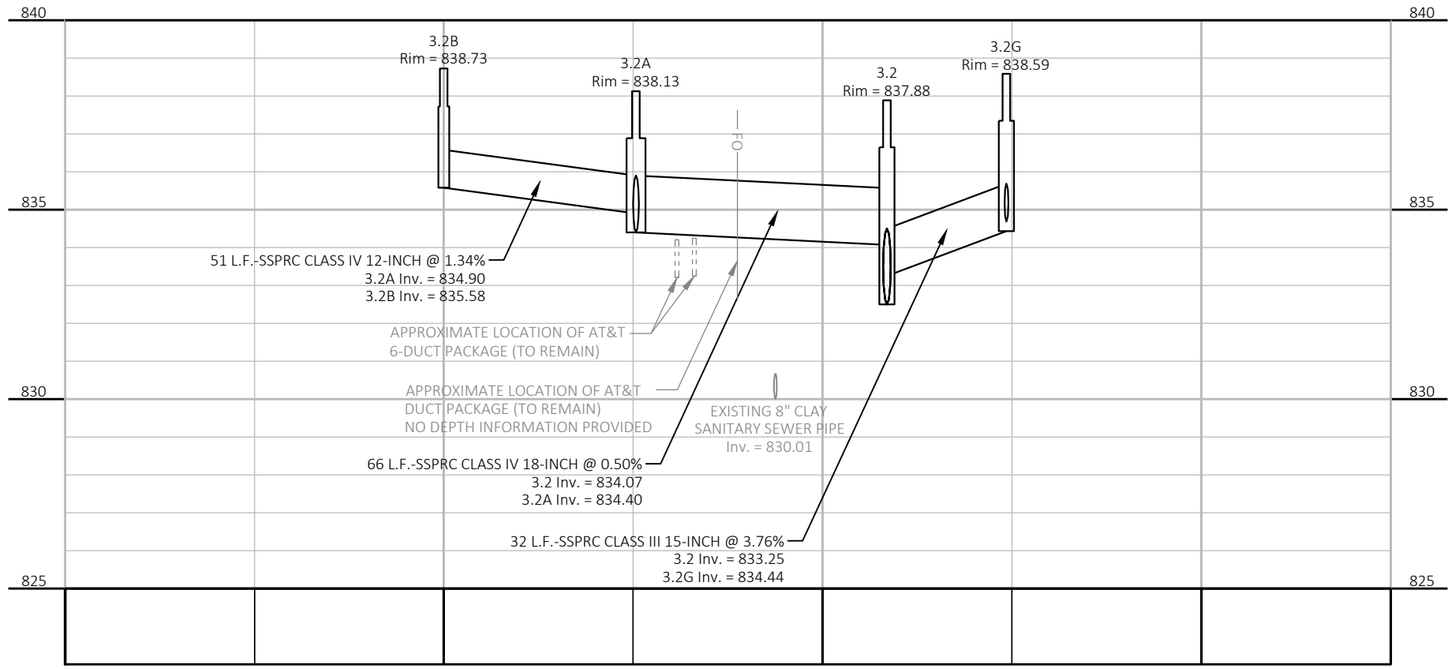




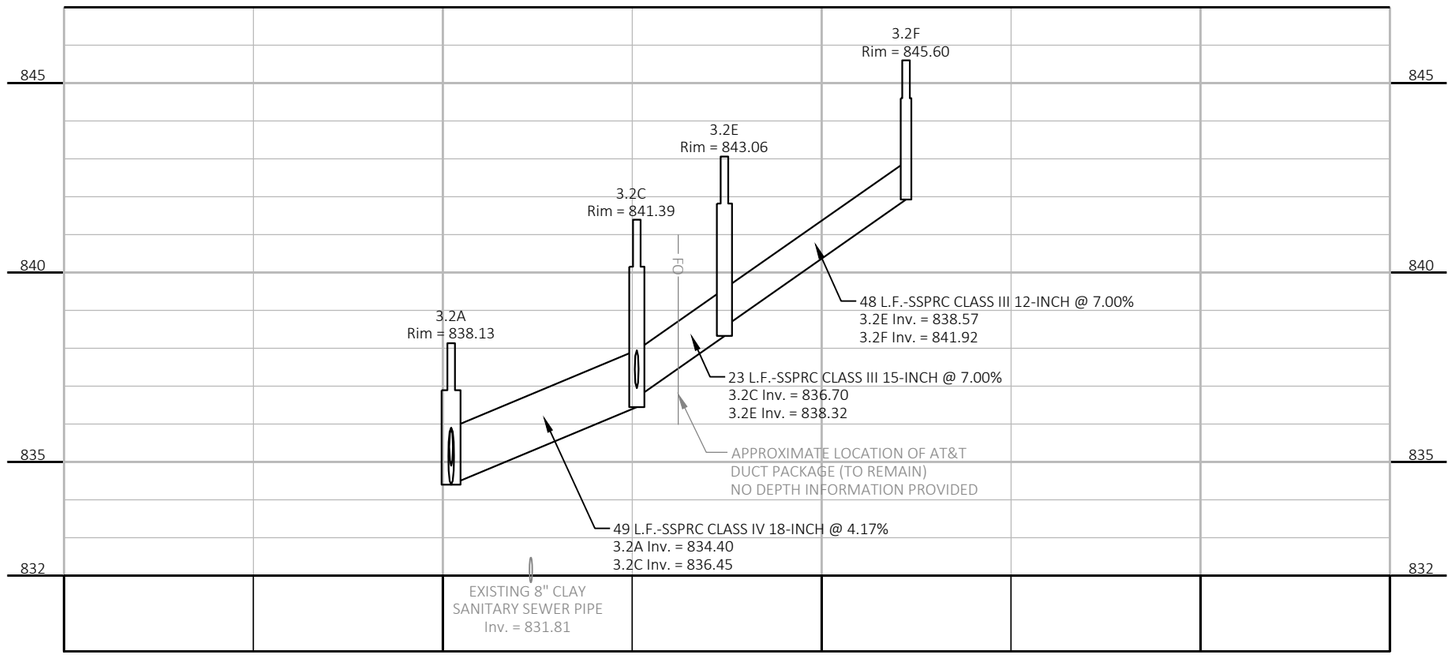


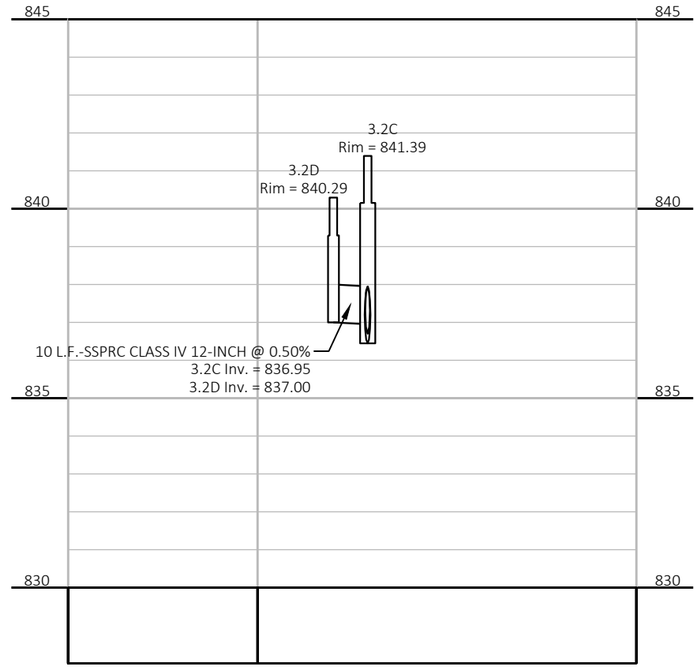
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	STORM SEWER	SHEET 51	E



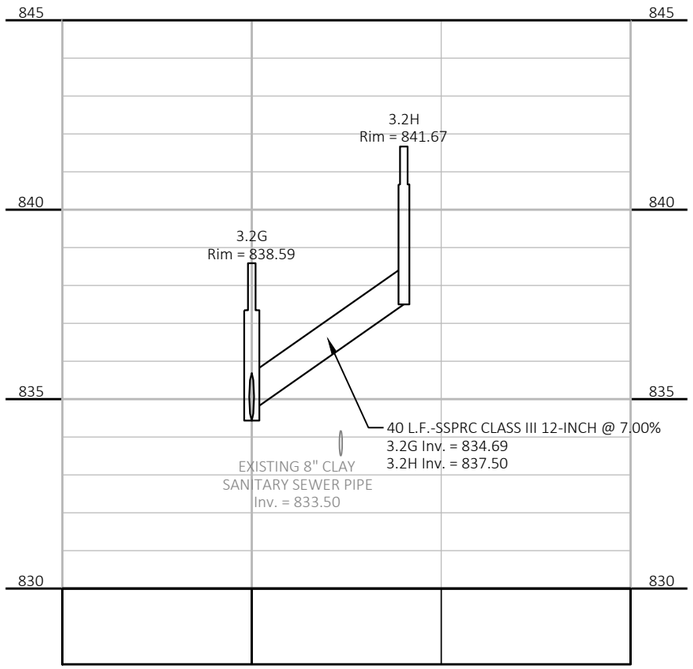


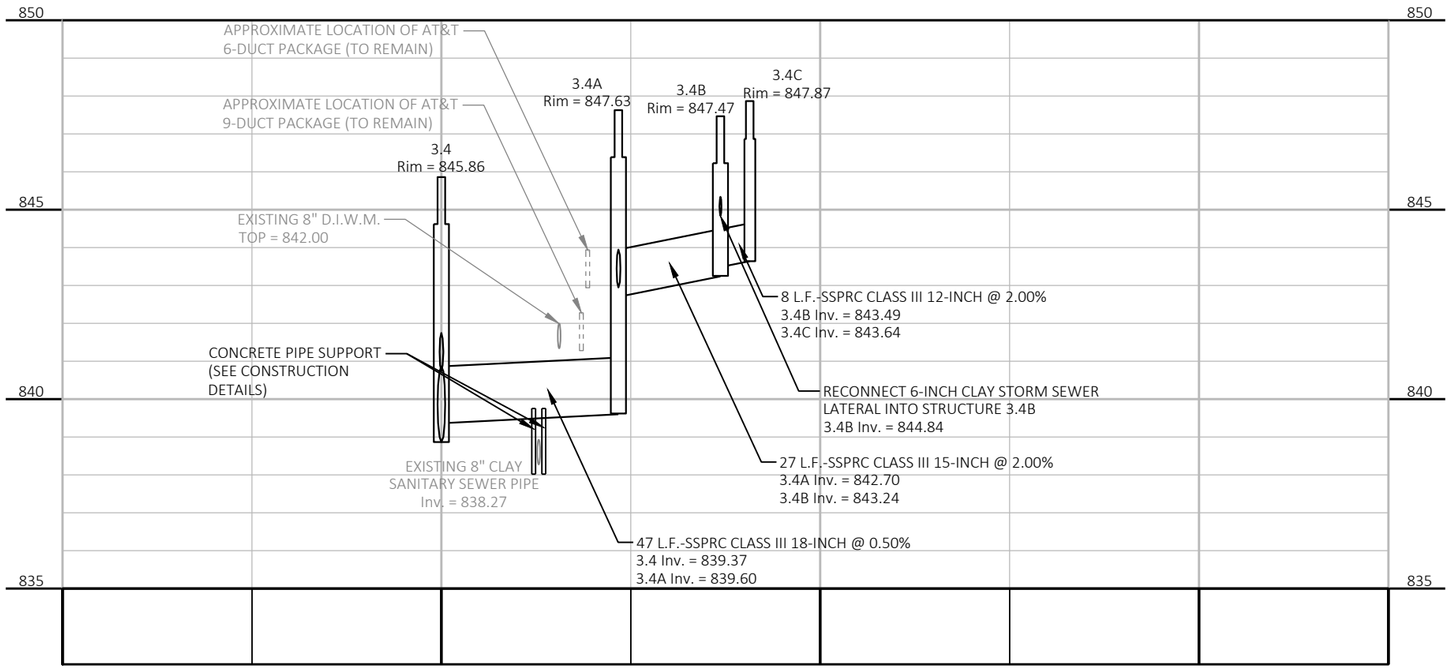
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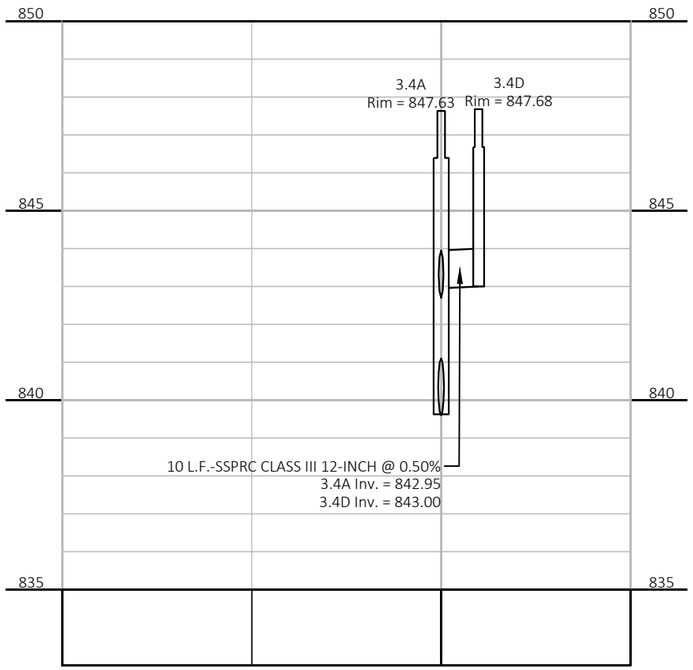




PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	STORM SEWER	SHEET 52	E





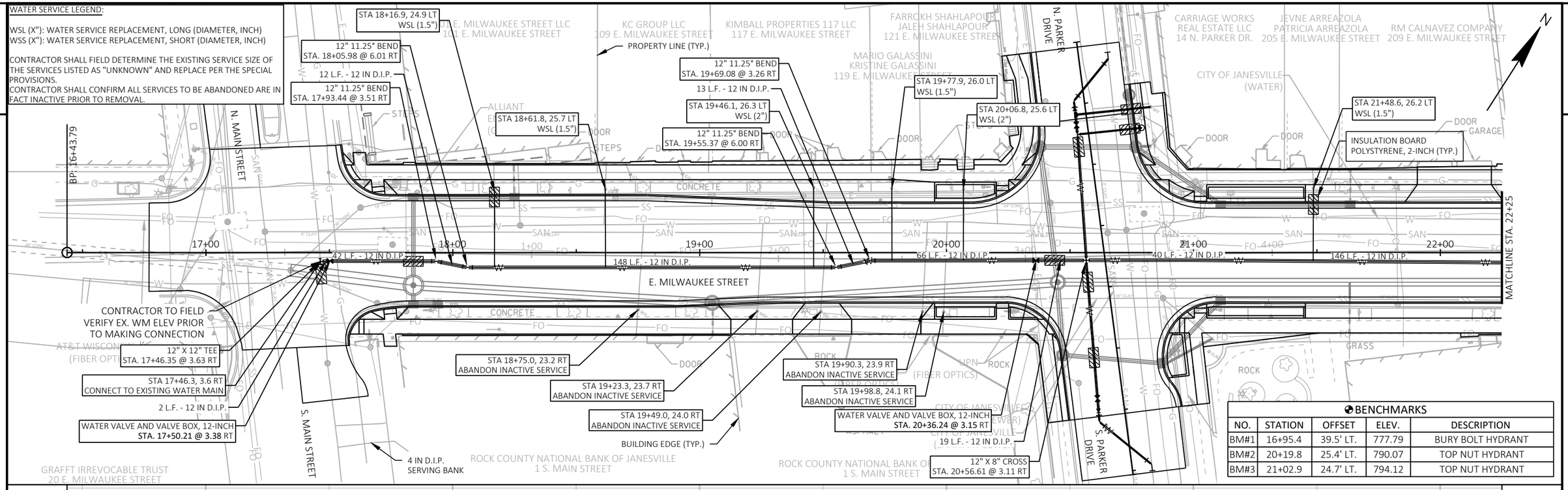


PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	STORM SEWER	SHEET 53	E

WATER SERVICE LEGEND:

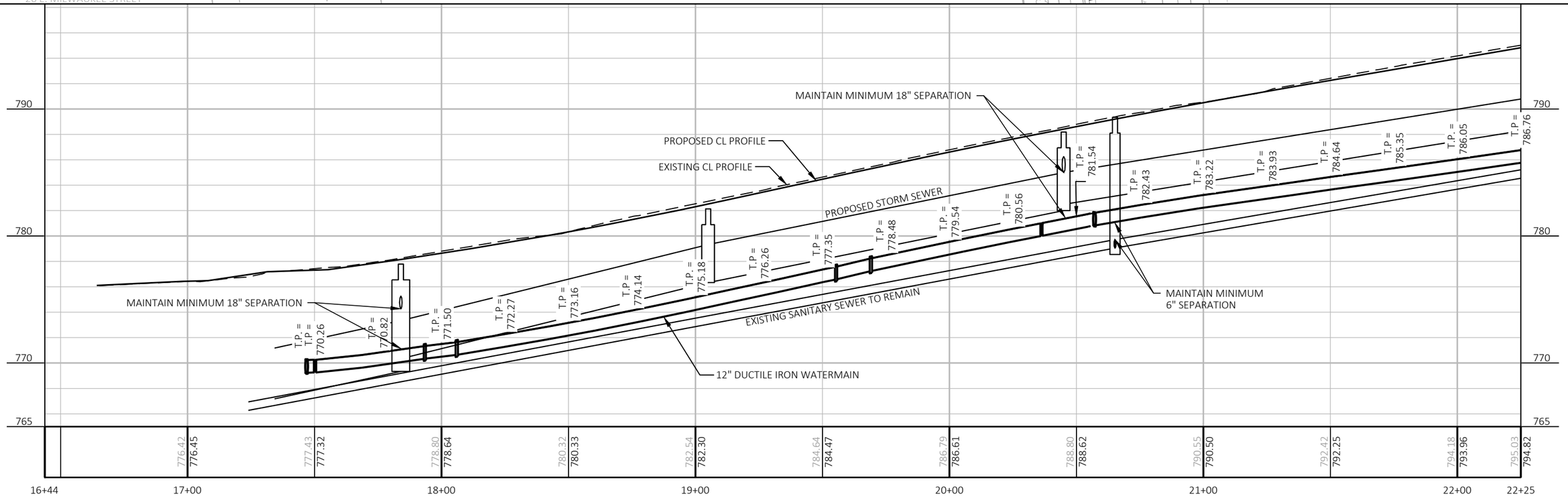
WSL (X"): WATER SERVICE REPLACEMENT, LONG (DIAMETER, INCH)
WSS (X"): WATER SERVICE REPLACEMENT, SHORT (DIAMETER, INCH)

CONTRACTOR SHALL FIELD DETERMINE THE EXISTING SERVICE SIZE OF THE SERVICES LISTED AS "UNKNOWN" AND REPLACE PER THE SPECIAL PROVISIONS.
CONTRACTOR SHALL CONFIRM ALL SERVICES TO BE ABANDONED ARE IN FACT INACTIVE PRIOR TO REMOVAL.



BENCHMARKS

NO.	STATION	OFFSET	ELEV.	DESCRIPTION
BM#1	16+95.4	39.5' LT.	777.79	BURY BOLT HYDRANT
BM#2	20+19.8	25.4' LT.	790.07	TOP NUT HYDRANT
BM#3	21+02.9	24.7' LT.	794.12	TOP NUT HYDRANT

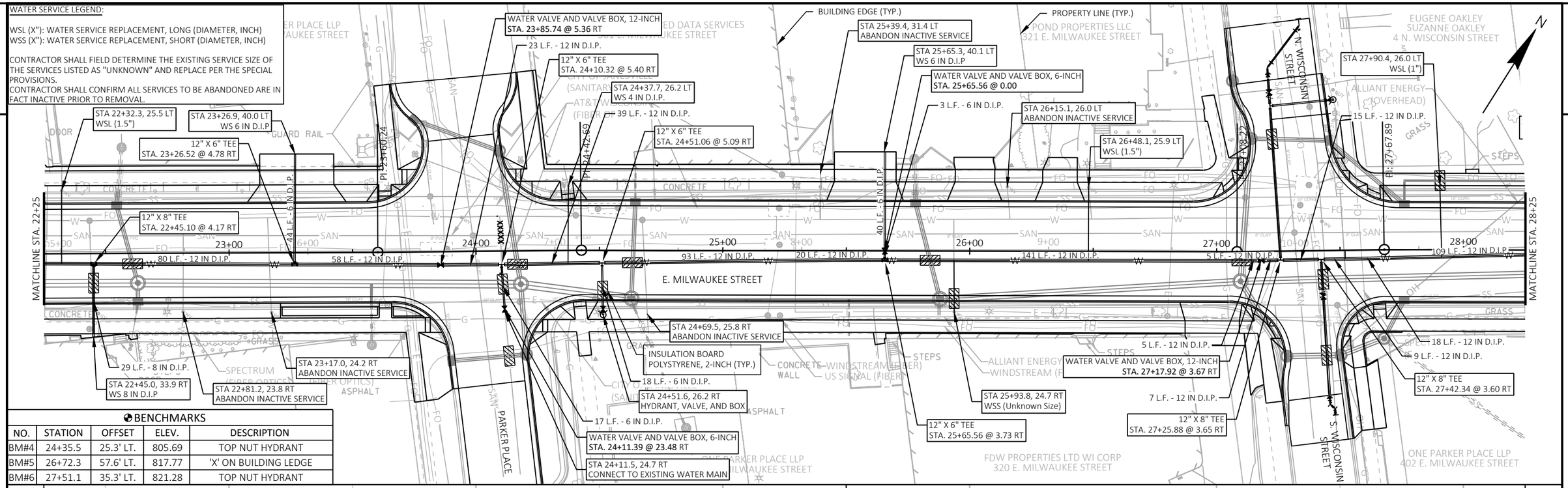


PROJECT NO: 5990-01-42	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WATERMAIN	SHEET 54	E

WATER SERVICE LEGEND:

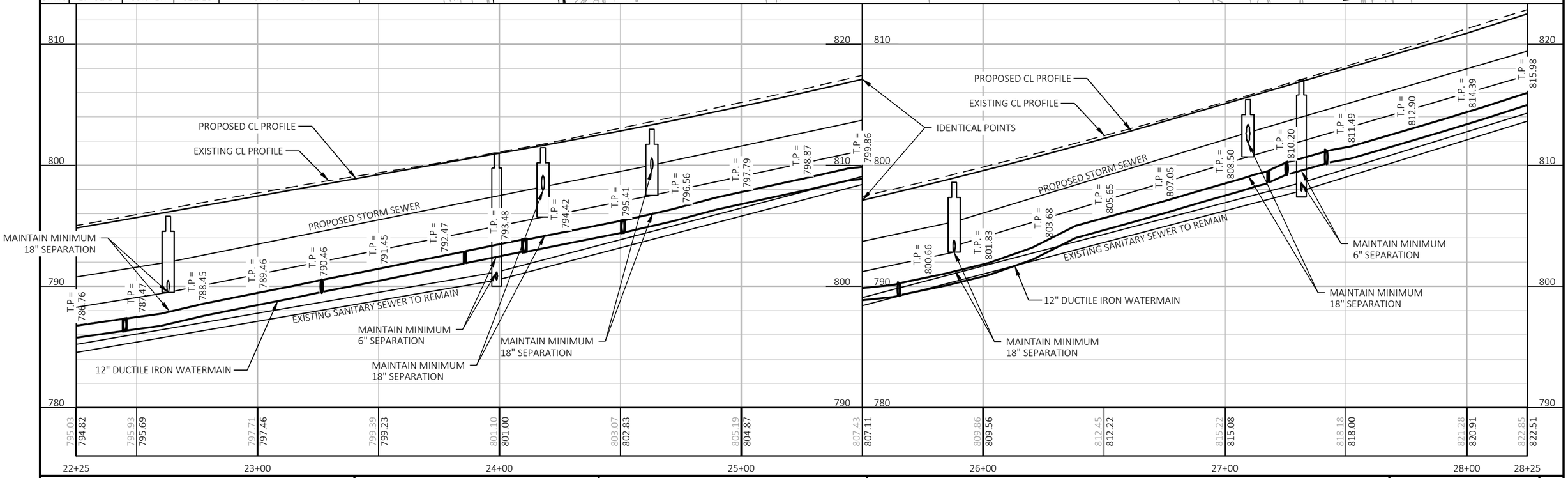
WSL (X"): WATER SERVICE REPLACEMENT, LONG (DIAMETER, INCH)
WSS (X"): WATER SERVICE REPLACEMENT, SHORT (DIAMETER, INCH)

CONTRACTOR SHALL FIELD DETERMINE THE EXISTING SERVICE SIZE OF THE SERVICES LISTED AS "UNKNOWN" AND REPLACE PER THE SPECIAL PROVISIONS.
CONTRACTOR SHALL CONFIRM ALL SERVICES TO BE ABANDONED ARE IN FACT INACTIVE PRIOR TO REMOVAL.



BENCHMARKS

NO.	STATION	OFFSET	ELEV.	DESCRIPTION
BM#4	24+35.5	25.3' LT.	805.69	TOP NUT HYDRANT
BM#5	26+72.3	57.6' LT.	817.77	'X' ON BUILDING LEDGE
BM#6	27+51.1	35.3' LT.	821.28	TOP NUT HYDRANT

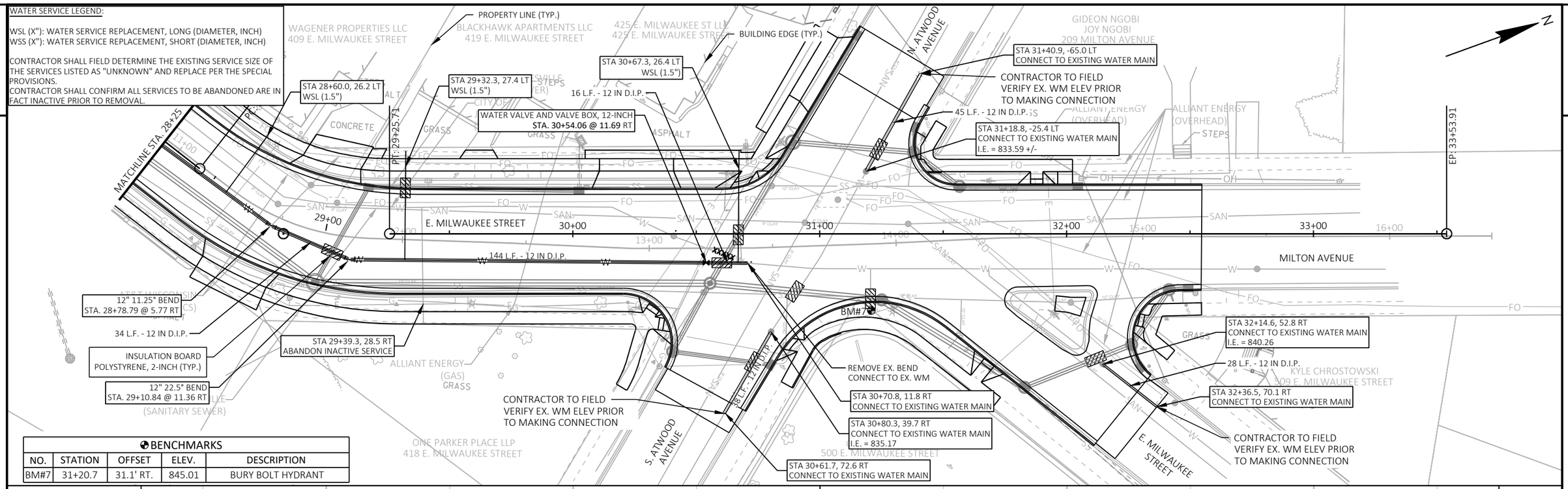


PROJECT NO: 5990-01-42	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WATERMAIN	SHEET 55	E

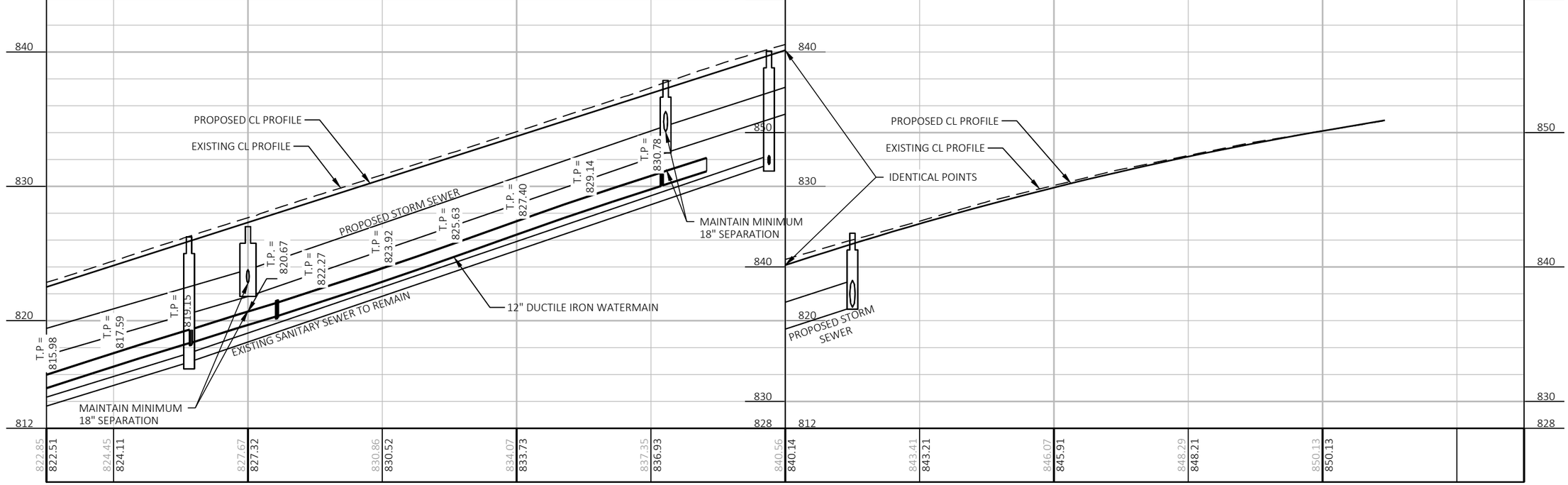
WATER SERVICE LEGEND:

WSL (X"): WATER SERVICE REPLACEMENT, LONG (DIAMETER, INCH)
WSS (X"): WATER SERVICE REPLACEMENT, SHORT (DIAMETER, INCH)

CONTRACTOR SHALL FIELD DETERMINE THE EXISTING SERVICE SIZE OF THE SERVICES LISTED AS "UNKNOWN" AND REPLACE PER THE SPECIAL PROVISIONS.
CONTRACTOR SHALL CONFIRM ALL SERVICES TO BE ABANDONED ARE IN FACT INACTIVE PRIOR TO REMOVAL.

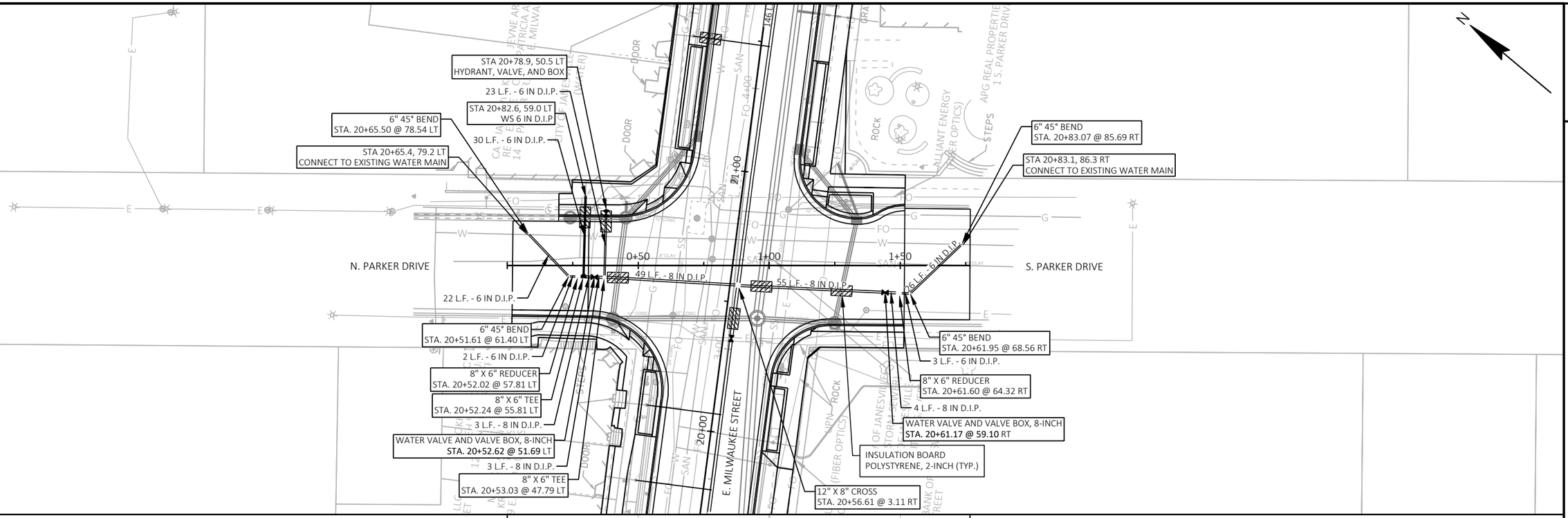


BENCHMARKS				
NO.	STATION	OFFSET	ELEV.	DESCRIPTION
BM#7	31+20.7	31.1' RT.	845.01	BURY BOLT HYDRANT

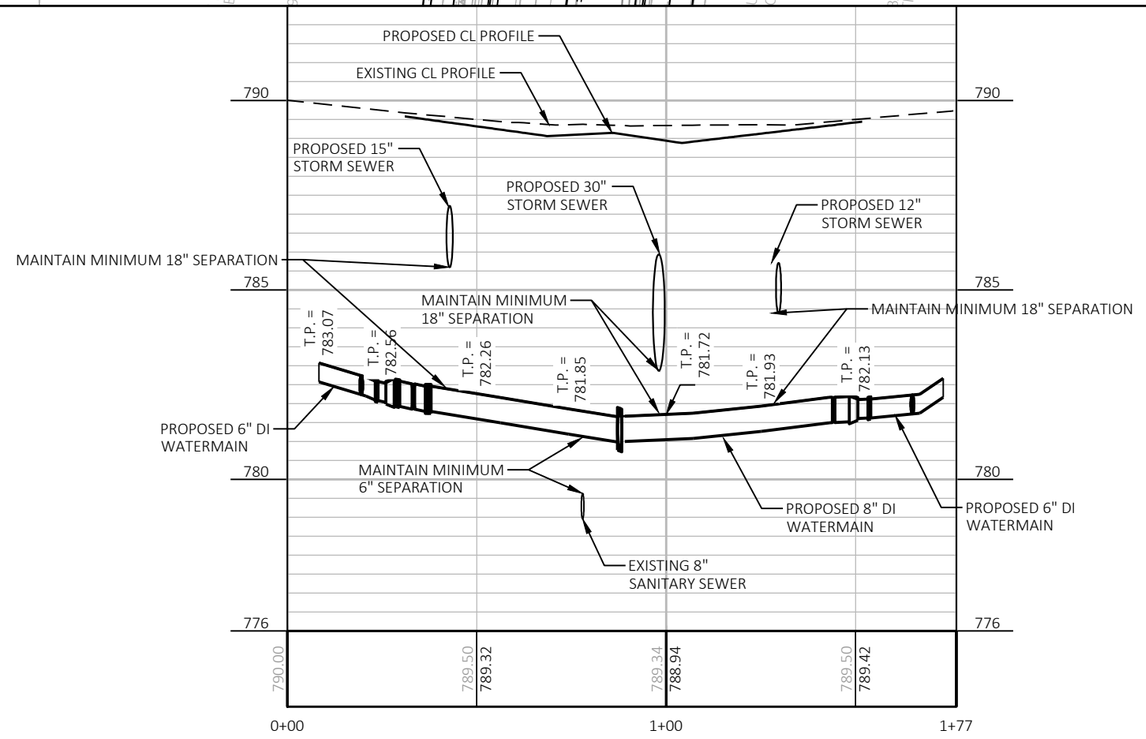


PROJECT NO: 5990-01-42	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WATERMAIN	SHEET 56	E

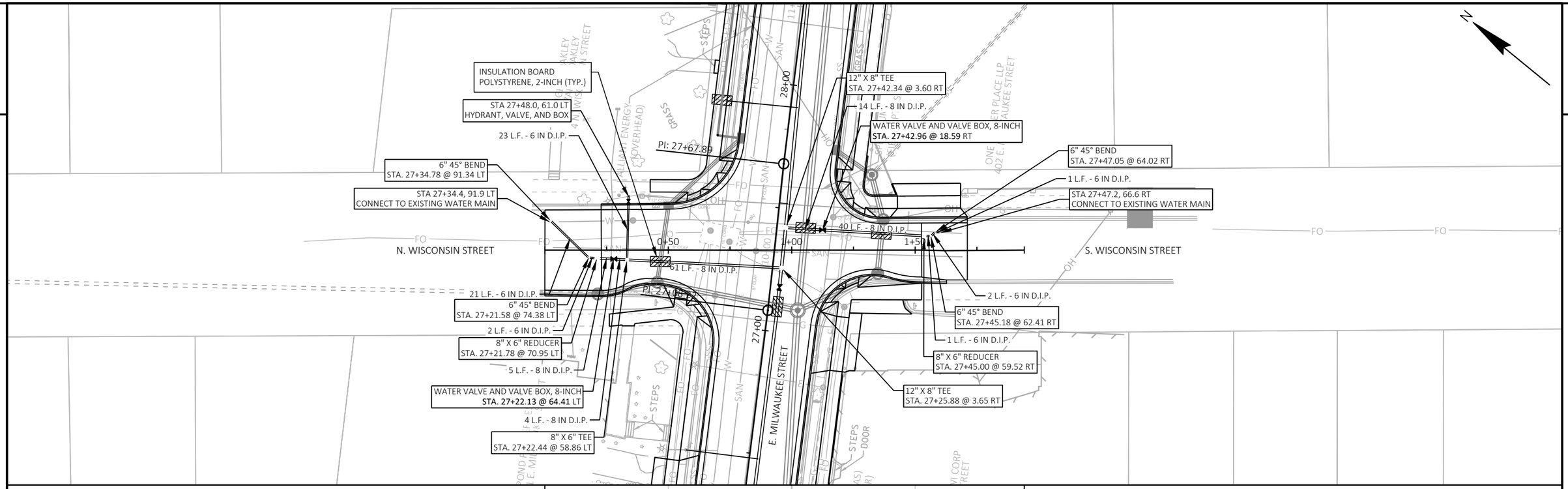
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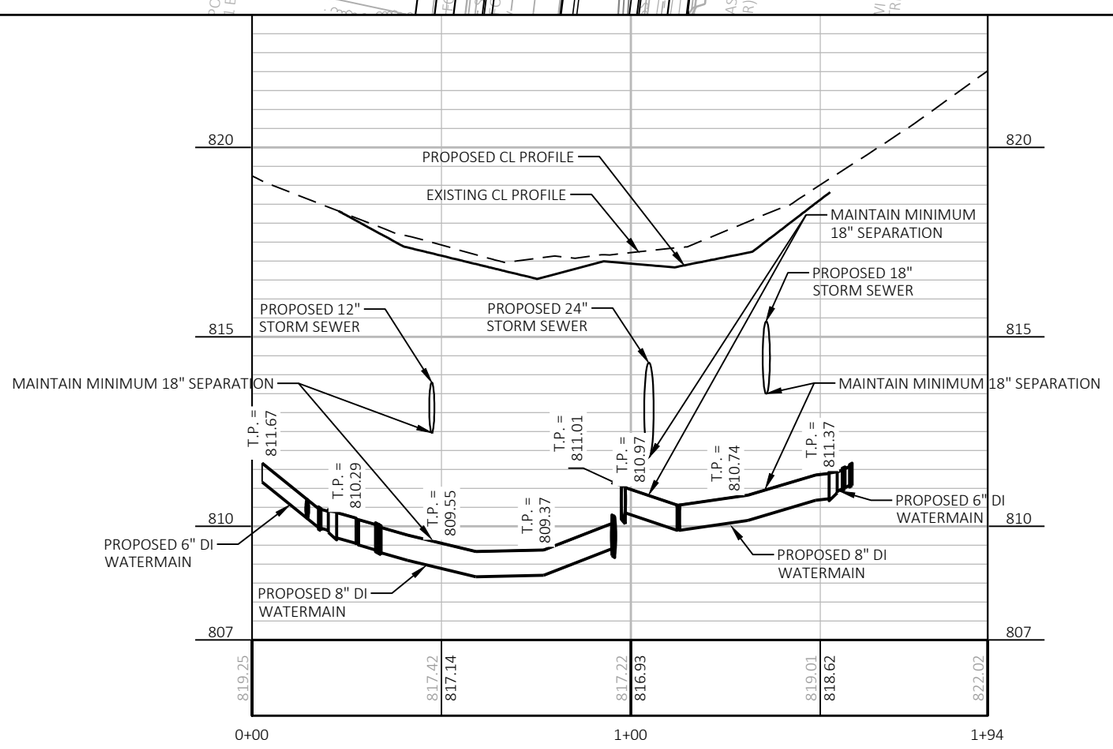
NOTE:
CONTRACTOR TO FIELD VERIFY WATERMAIN ELEVATION
PRIOR TO INTERSECTION CONNECTION



PROJECT NO: 5990-01-42	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WATERMAIN: PARKER DRIVE	SHEET 57	E



NOTE:
CONTRACTOR TO FIELD VERIFY WATERMAIN ELEVATION
PRIOR TO INTERSECTION CONNECTION



PROJECT NO: 5990-01-42	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WATERMAIN: WISCONSIN STREET	SHEET 58	E

NOTE: ALL EXISTING SANITARY SEWER PIPES AND STRUCTURES WITHIN THE PROJECT LIMITS TO REMAIN.

N

BRENNAN STEIL SC
1 E. MILWAUKEE STREET

N. MAIN STREET

101 E. MILWAUKEE STREET LLC
101 E. MILWAUKEE STREET

KC GROUP LLC
109 E. MILWAUKEE STREET

KIMBALL PROPERTIES 117 LLC
117 E. MILWAUKEE STREET

FARROKH SHAHLAPOUR
JALEH SHAHLAPOUR
121 E. MILWAUKEE STREET

MARIO GALASSINI
KRISTINE GALASSINI
119 E. MILWAUKEE STREET

N. PARKER DRIVE

CARRIAGE WORKS
REAL ESTATE LLC
14 N. PARKER DR.

JEVNE ARREAZOLA
PATRICIA ARREAZOLA
205 E. MILWAUKEE STREET

RM CALNAVEZ COMPANY
209 E. MILWAUKEE STREET

STA. 17+23.92, 8.50' LT.
ADJUSTING MANHOLE COVERS
EXISTING RIM ELEV. = 776.83
FINISHED RIM ELEV. = 776.87

STA. 20+65.24, 7.94' LT.
ADJUSTING MANHOLE COVERS
EXISTING RIM ELEV. = 789.34
FINISHED RIM ELEV. = 789.20

BP: 16+43.79

17+00 18+00 19+00 20+00 21+00 22+00

MATCHLINE STA. 22+25

E. MILWAUKEE STREET

STA. 16+89.55, 14.87' RT.
ADJUSTING MANHOLE COVERS
EXISTING RIM ELEV. = 776.04
FINISHED RIM ELEV. = 776.01

S. MAIN STREET

GRAFFT IRREVOCABLE TRUST
20 E. MILWAUKEE STREET

ROCK COUNTY NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

ROCK COUNTY NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

ASPHALT

ROCK

ROCK

GRASS

STEPS

APG REAL PROPERTIES LLC
1 S. PARKER DRIVE

S. PARKER DRIVE

PROJECT NO: 5990-01-42	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	SANITARY SEWER	SHEET 59	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023002-SAN.DWG
LAYOUT NAME - 023001-san

PLOT DATE : 7/24/2022 12:51 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE: ALL EXISTING SANITARY SEWER PIPES AND STRUCTURES WITHIN THE PROJECT LIMITS TO REMAIN.

N

MATCHLINE STA. 22+25

MATCHLINE STA. 28+25

ONE PARKER PLACE LLP
215 E. MILWAUKEE STREET

AMERITECH ADVANCED DATA SERVICES
301 E. MILWAUKEE STREET

POND PROPERTIES LLC
321 E. MILWAUKEE STREET

EUGENE OAKLEY
SUZANNE OAKLEY
4 N. WISCONSIN STREET

PARKER PLACE

N. WISCONSIN STREET

STA. 23+98.83, 6.38' LT.
ADJUSTING MANHOLE COVERS
EXISTING RIM ELEV. = 801.02
FINISHED RIM ELEV. = 800.90

STA. 27+31.59, 7.40' LT.
ADJUSTING MANHOLE COVERS
EXISTING RIM ELEV. = 817.05
FINISHED RIM ELEV. = 816.78

Pl: 23+60.24

Pl: 24+42.69

Pl: 26+08.22

Pl: 27+67.89

GUARD RAIL

CONCRETE WALL

DOOR

STEPS

CONCRETE

23+00

24+00

25+00

26+00

27+00

28+00

E. MILWAUKEE STREET

GRASS

ASPHALT

CONCRETE WALL

STEPS

DOOR

APG REAL PROPERTIES LLC
1 S. PARKER DRIVE

ONE PARKER PLACE LLP
300 E. MILWAUKEE STREET

FDW PROPERTIES LTD WI CORP
320 E. MILWAUKEE STREET

ONE PARKER PLACE LLP
402 E. MILWAUKEE STREET

S. WISCONSIN STREET

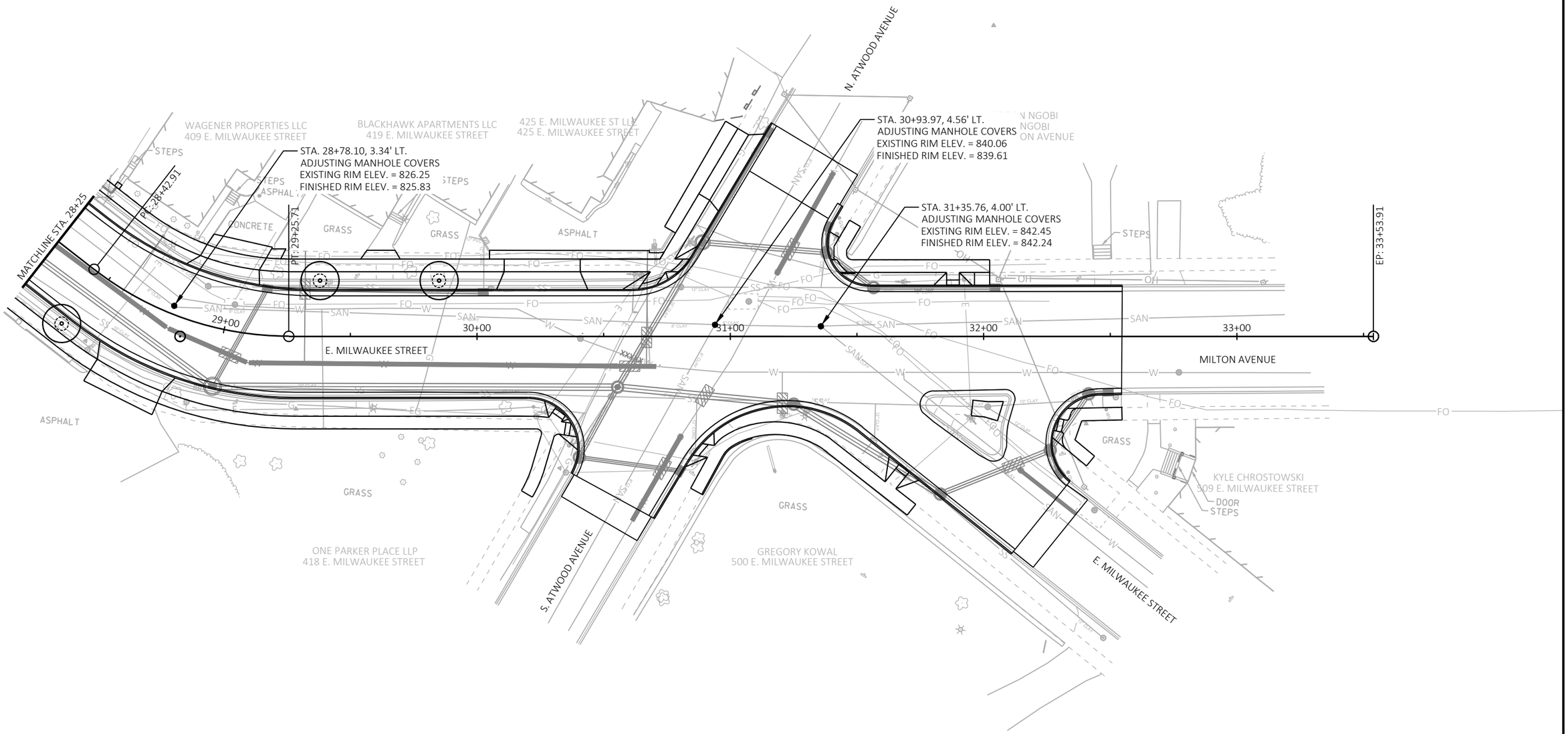
PROJECT NO: 5990-01-42	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	SANITARY SEWER	SHEET 60	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023002-SAN.DWG
LAYOUT NAME - 023002-san

PLOT DATE : 7/24/2022 12:51 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE: ALL EXISTING SANITARY SEWER PIPES AND STRUCTURES WITHIN THE PROJECT LIMITS TO REMAIN.



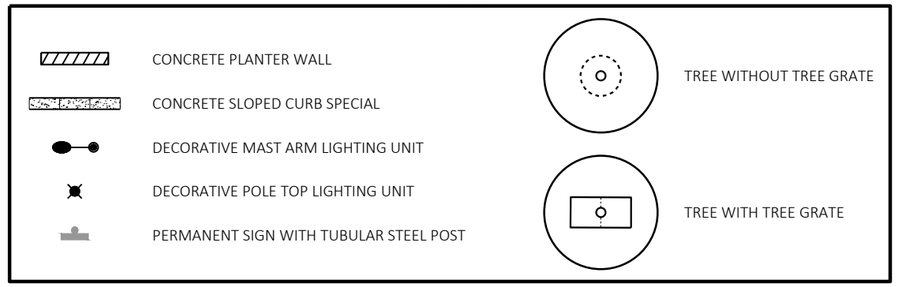
PROJECT NO: 5990-01-42	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	SANITARY SEWER	SHEET 61	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023002-SAN.DWG
LAYOUT NAME - 023003-san

PLOT DATE : 10/24/2022 8:52 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND



TREE DATA TABLE

SYMBOL	COMMON NAME	SCIENTIFIC NAME	AVG. MATURE HEIGHT	SIZE WHEN PLANTED	ROOT ZONE	BALL DIA.	BALL DEPTH	BACKFILL MATERIAL	FERTILIZER UNITS REQ'D	RODENT ROTECTION REQ'D	BRACING REQ'D
AG	BUCKEYE, EARLY GLOW	AESCULUS GLABRA 'J.N. SELECT'	30'-40' HT.	2.5" CAL	B&B	32"	20"	PLANTING MXTURE	0	NO	NO
CO	COMMON HACKBERRY	CELTIS OCCIDENTALIS	40'-50' HT.	2.5" CAL	B&B	32"	20"	PLANTING MXTURE	5	YES	NO
MH	HARVEST GOLD CRABAPPLE, 'HARGOZAM'	MALUS 'HARGOZAM'	20-25' HT.	2.5" CAL	B&B	32"	20"	PLANTING MXTURE	5	YES	NO
OV	AMERICAN HOPHORNBEAM	OSTRYA VIRGINIANA	30'-40' HT.	2.5" CAL	B&B	32"	20"	PLANTING MXTURE	5	YES	NO
PM	AMUR CHOKECHERRY	PRUNUS MACKII	20'-30' HT.	2.5" CAL	B&B	32"	20"	PLANTING MXTURE	5	YES	NO
PS	SARGENT'S CHERRY	PRUNUS SARGENTII	40'-50' HT.	2.5" CAL	B&B	32"	20"	PLANTING MXTURE	5	YES	NO
SI	JAPANESE TREE LILAC, 'IVORY SILK'	SYRINGA RETICULATA 'IVORY SILK'	20-25' HT.	2.5" CAL	B&B	32"	20"	PLANTING MXTURE	5	YES	NO
UA	ELM, ACCOLADE	ULMUS DAVIDIANA VAR. JAPONICA 'MORTON'	50'-60' HT.	2.5" CAL	B&B	32"	20"	PLANTING MXTURE	5	YES	NO
UM	TRIUMPH ELM, 'MORTON GLOSSY'	ULMUS 'MORTON GLOSSY'	50'-60' HT.	2.5" CAL	B&B	32"	20"	PLANTING MXTURE	5	YES	NO

PLANT DATA TABLE

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE WHEN PLANTED	ROOT ZONE	SPACING WHEN PLANTED	BACKFILL MATERIAL	FERTILIZER UNITS REQ'D	RODENT ROTECTION REQ'D
Ab	BLUESTAR, BLUE ICE	AMSONIA 'BLUE ICE'	1 GAL	CG	SEE PLAN	PLANTING MIXTURE	NO	NO
Am	BLACK CHOKEBERRY, IROQUOIS BEAUTY	ARONIA MELANOCARPA 'MORTON'	3 GAL	CG	SEE PLAN	PLANTING MIXTURE	NO	NO
Fc	FORSYTHIA, GOLD TIDE	FORSYTHIA X 'COURTASOL'	3 GAL	CG	SEE PLAN	PLANTING MIXTURE	NO	NO
Hp	ST. JOHN'S WORT, COBALT-N-GOLD	HYPERICUM KALMIANUM 'PIIHYP-I'	3 GAL	CG	SEE PLAN	PLANTING MIXTURE	NO	NO
Lb	LILYTURF, BIG BLUE	LIRIOPE MUSCARI 'BIG BLUE'	1 GAL	CG	SEE PLAN	PLANTING MIXTURE	NO	NO
Pd	MOSS PHLOX, DRUMMOND'S PINK	PHLOX SUBULATA 'DRUMMOND'S PINK'	4" POT	CG	SEE PLAN	PLANTING MIXTURE	NO	NO
Ps	MOSS PHLOX, SNOWFLAKE	PHLOX SUBULATA 'SNOWFLAKE'	4" POT	CG	SEE PLAN	PLANTING MIXTURE	NO	NO
Pv	SWITCHGRASS, SHENANDOAH	PANICUM VIRGATUM 'SHENANDOAH'	1 GAL	CG	SEE PLAN	PLANTING MIXTURE	NO	NO
Rg	ALPINE CURRANT, GREEN MOUND	RIBES ALPINUM 'GOLD MOUND'	3 GAL	CG	SEE PLAN	PLANTING MIXTURE	NO	NO
Sa	JAPANESE SPIREA, ANTHONY WATERER	SPIRAEA JAPONICA 'ANTHONY WATERER'	3 GAL	CG	SEE PLAN	PLANTING MIXTURE	NO	NO
Ss	LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM	1 GAL	CG	SEE PLAN	PLANTING MIXTURE	NO	NO
Wm	WEIGELA, MINUET	WEIGELA FLORIDA 'MINUET'	3 GAL	CG	SEE PLAN	PLANTING MIXTURE	NO	NO

2

BRENNAN STEIL SC
1 E. MILWAUKEE STREET

101 E. MILWAUKEE STREET LLC
101 E. MILWAUKEE STREET

KC GROUP LLC
109 E. MILWAUKEE STREET

K

N. MAIN STREET

STEPS

DOOR

STEPS

STA. 18+79, LT.
UM

DOOR

BP: 16+43.79

17+00

18+00

19+00

MATCHLINE STA. 19+25

E. MILWAUKEE STREET

STA. 18+32, RT.
PM

STA. 18+96, RT.
UM

S. MAIN STREET

GRAFFT IRREVOCABLE TRUST
20 E. MILWAUKEE STREET

ROCK COUNTY NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PLANTING	SHEET 63	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023102-pl

PLOT DATE : 7/24/2022 12:55 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

IMBALL PROPERTIES 117 LLC
117 E. MILWAUKEE STREET

FARROKH SHAHLAPOUR
JALEH SHAHLAPOUR
121 E. MILWAUKEE STREET

MARIO GALASSINI
KRISTINE GALASSINI
119 E. MILWAUKEE STREET

CARRIAGE WORKS
REAL ESTATE LLC
14 N. PARKER DR.

JEVNE ARREAZOLA
PATRICIA ARREAZOLA
205 E. MILWAUKEE STREET

RM CALNAVEZ COMPANY
209 E. MILWAUKEE STREET

N. PARKER DRIVE

STA. 19+51, LT.
PM

STA. 21+58, LT.
AG

DOOR
DOOR
DOOR
DOOR
DOOR
GARAGE DOOR

WALL #1
STEPS
WALL #4

PLANTER #1
PLANTER #4

SEE PLANTERS #1 THRU #6 DETAIL SHEET

MATCHLINE STA. 19+25

20+00
21+00
22+00

MATCHLINE STA. 22+25

PLANTER #2
PLANTER #3
PLANTER #5

E. MILWAUKEE STREET

WALL #2
WALL #3
WALL #5

ROCK
ROCK
GRAVEL MULCH
ROCK

STA. 21+93, RT.
OV

PLANTER #6
WALL #6

S. PARKER DRIVE

STEPS

ASPHALT

ROCK COUNTY NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

APG REAL PROPERTIES LLC
1 S. PARKER DRIVE

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PLANTING	SHEET 64	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023103-pl

PLOT DATE : 7/24/2022 12:55 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

ONE PARKER PLACE LLP
215 E. MILWAUKEE STREET

PARKER PLACE

AMERITECH ADVANCED DATA SERVICES
301 E. MILWAUKEE STREET

N

STA. 22+40, LT.
OV

STA. 22+96, LT.
UA

STA. 24+59, LT.
SI

STA. 25+14, LT.
SI

CONCRETE WALL

GUAR

DOOR

SHREDDED HARDWOOD BARK MULCH

GRASS

BL

CP

PI: 23+01.24

PI: 24+42.69

E. MILWAUKEE STREET

SEE PLANTERS #7 & #8 DETAIL SHEET

MATCHLINE STA. 22+25

23+00

24+00

25+00

MATCHLINE STA. 25+25

PLANTER #7

PLANTER #8

WALL #7

WALL #8

STA. 22+73, RT.
AG

STA. 24+82, RT.
UA

GRASS

SHREDDED HARDWOOD BARK MULCH

ASPHALT

GRASS

ASPHALT

PARKER PLACE

APG REAL PROPERTIES LLC
1 S. PARKER DRIVE

ONE PARKER PLACE LLP
300 E. MILWAUKEE STREET

2

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PLANTING	SHEET 65	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023104-pl

PLOT DATE : 7/24/2022 12:55 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

POND PROPERTIES LLC
321 E. MILWAUKEE STREET

N. WISCONSIN STREET

EUGENE OAKLEY
SUZANNE OAKLEY
4 N. WISCONSIN STREET

A/C

GUY

GRASS

STEPS

GRASS

GRASS

GRASS

GRASS

GRASS

STA. 28+15, LT.
MH

SHREDDED HARDWOOD BARK MULCH

STEPS

PI: 27+08.22

PI: 27+67.89

MATCHLINE STA. 25+25

26+00

27+00

28+00

MATCHLINE STA. 28+25

E. MILWAUKEE STREET

SHREDDED HARDWOOD BARK MULCH

SHREDDED HARDWOOD BARK MULCH

SHREDDED HARDWOOD BARK MULCH

SHREDDED HARDWOOD BARK MULCH

GRASS

GRASS

GRASS

GRASS

GRAVEL MULCH

STA. 25+41, RT.
CO

STA. 26+00, RT.
PS

STA. 26+59, RT.
PS

STA. 27+88, RT.
UM

FDW PROPERTIES LTD WI CORP
320 E. MILWAUKEE STREET

S. WISCONSIN STREET

ONE PARKER PLACE LLP
402 E. MILWAUKEE STREET

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PLANTING	SHEET 66	E

2

N

WAGENER PROPERTIES LLC
409 E. MILWAUKEE STREET

BLACKHAWK APARTMENTS LLC
419 E. MILWAUKEE STREET

425 E. MILWAUKEE ST LLC
425 E. MILWAUKEE STREET

STEPS
GRAVEL MULCH
STEPS
ASPHALT
CONCRETE
STEPS
ASPHALT
GRASS
N. ATWOOD AVENUE
GRASS
MATCHLINE STA. 28+25
PC: 28+42.91
STA. 29+38, LT.
PM
STA. 29+85, LT.
MH
PT: 29+25.71
GRASS
GRASS
SHREDDED HARDWOOD BARK MULCH
SHREDDED HARDWOOD BARK MULCH
SHREDDED HARDWOOD BARK MULCH
GRASS
29+00
30+00
31+00
MATCHLINE STA. 31+25
E. MILWAUKEE STREET
STA. 28+45, RT.
CO
GRASS
ASPHALT
GRASS
GRASS
GRASS
S. ATWOOD AVENUE
ONE PARKER PLACE LLP
418 E. MILWAUKEE STREET
GREGO
500 E. MILWAU

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PLANTING	SHEET 67	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023106-pl
PLOT DATE : 10/24/2022 8:59 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

N

N. ATWOOD AVENUE

GIDEON NGOBI
JOY NGOBI
209 MILTON AVENUE

GRASS

STEPS

GRASS

EP: 33+53.91

MATCHLINE STA. 31+25

32+00

33+00

MILTON AVENUE

GRASS

GRASS

GRASS

STEPS

DOOR

KYLE CHROSTOWSKI
509 E. MILWAUKEE STREET

E. MILWAUKEE STREET

RY KOWAL
IKEE STREET

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PLANTING	SHEET 68	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023107-pl

PLOT DATE : 7/24/2022 12:55 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

2

N. PARKER DRIVE

PLANTER #1

Hp

Hp

Rg (4)

Lb (4)

PLANTER #4

Fc (2)

Pv (7)

Fc (2)

Ab (14)

E. MILWAUKEE STREET

20+00

21+00

3-INCHES SHREDDED HARDWOOD BARK MULCH OVER PLANTING SOIL MIX, SEE WALL DETAILS (TYP.)

Rg (4)

Lb (4)

Hp

Hp

Pd (5)

Ps (7)

PLANTER #2

PLANTER #3

Ab (8)

Fc (2)

Pv (7)

Fc (2)

PLANTER #5

Ss (3)

Pd (4)

Ps (6)

Pd (4)

Am (3)

Ss (3)

PLANTER #6

S. PARKER DRIVE

ROCK

FLAG

ROCK

N

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PLANTING: PLANTERS #1 THRU #6 DETAIL	SHEET 69	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023108-pl

PLOT DATE : 7/24/2022 12:56 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

2

Pl: 23+60.24

23+00

24+00

3-INCHES SHREDDED HARDWOOD BARK MULCH OVER
PLANTING SOIL MIX, SEE WALL DETAILS (TYP.)

E. MILWAUKEE STREET

Wm

Wm (3)

Wm

Ss (3)

Sa (2)

Sa (2)

Ss (3)

Pd (6)

Ps (8)

CP

PLANTER #7

PLANTER #8

ASPHALT

PARKER PLACE

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PLANTING: PLANTERS #7 & #8 DETAIL	SHEET 70	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101-PL.DWG
LAYOUT NAME - 023109-pl

PLOT DATE : 7/24/2022 12:56 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

LEGEND

BL	BENCH, 6-FOOT, BACKLESS
B	BENCH, 6-FOOT, BACKED
	BICYCLE RACK
CP 36/30	ROUND CONCRETE PLANTER 36-INCH x 30-INCH OR 30-INCH x 30-INCH
	TRASH RECEPTACLE
	CONCRETE SIDEWALK 5-INCH OR 6-INCH, COLORED, DARK GOLD (SEE PAVING DETAILS FOR LIMITS OF 6-INCH)
	CONCRETE PAVEMENT 8-INCH, COLORING CONCRETE CUSTOM
	CONCRETE PLANTER WALL
	CONCRETE SLOPED CURB SPECIAL
	DECORATIVE MAST ARM LIGHTING UNIT
	DECORATIVE POLE TOP LIGHTING UNIT
	TREE WITHOUT TREE GRATE
	TREE WITH TREE GRATE

BRENNAN STEIL SC
1 E. MILWAUKEE STREET

101 E. MILWAUKEE STREET LLC
101 E. MILWAUKEE STREET

KC GROUP LLC
109 E. MILWAUKEE STREET

K

N. MAIN STREET

STEPS

STA. 18+04, LT.
STA. 18+29, LT.
STA. 18+57, LT.
STA. 18+79, LT.
STA. 19+09, LT.

DOOR
STEPS
DOOR

30 CP
BL
36 CP

BP: 16+43.79

17+00
18+00
19+00

MATCHLINE STA. 19+25

E. MILWAUKEE STREET

CP 30
BL
CP 36

STA. 17+96, RT.
STA. 18+11, RT.
STA. 18+32, RT.
STA. 18+52, RT.
STA. 18+75, RT.
STA. 18+96, RT.

S. MAIN STREET

GRAFFT IRREVOCABLE TRUST
20 E. MILWAUKEE STREET

ROCK COUNTY NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

2

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	STREETSCAPING	SHEET 72	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101-ST.DWG
LAYOUT NAME - 023102-st
PLOT DATE : 7/24/2022 12:58 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

IMBALL PROPERTIES 117 LLC
117 E. MILWAUKEE STREET

FARROKH SHAHLAPOUR
JALEH SHAHLAPOUR
121 E. MILWAUKEE STREET

MARIO GALASSINI
KRISTINE GALASSINI
119 E. MILWAUKEE STREET

CARRIAGE WORKS
REAL ESTATE LLC
14 N. PARKER DR.

JEVNE ARREAZOLA
PATRICIA ARREAZOLA
205 E. MILWAUKEE STREET

RM CALNAVEZ COMPANY
209 E. MILWAUKEE STREET

N. PARKER DRIVE

STA. 19+51, LT.
STA. 19+65, LT.
STA. 19+73, LT.
STA. 19+81, LT.
STA. 19+87, LT.
DOOR
DOOR
STEPS
WALL #1, SEE WALL DETAILS

STA. 21+46, LT.
STA. 21+58, LT.
STA. 21+69, LT.
STA. 21+80, LT.
DOOR
DOOR
DOOR
GARAGE DOOR
WALL #4, SEE WALL DETAILS

MATCHLINE STA. 19+25

20+00

21+00

22+00

MATCHLINE STA. 22+25

WALL #2, SEE WALL DETAILS
WALL #3, SEE WALL DETAILS
GRAVEL MULCH
WALL #6, SEE WALL DETAILS

STA. 19+46, RT.
STA. 19+56, RT.
ROCK
ROCK
ASPHALT

ROCK COUNTY NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

S. PARKER DRIVE

E. MILWAUKEE STREET

WALL #5, SEE WALL DETAILS

STA. 21+49, RT.
STA. 21+57, RT.
STA. 21+93, RT.
STA. 22+16, RT.
ROCK
FLAG
STEPS

APG REAL PROPERTIES LLC
1 S. PARKER DRIVE

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	STREETSCAPING	SHEET 73	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101-ST.DWG
LAYOUT NAME - 023103-st

PLOT DATE : 7/24/2022 12:58 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

ONE PARKER PLACE LLP
215 E. MILWAUKEE STREET

PARKER PLACE

AMERITECH ADVANCED DATA SERVICES
301 E. MILWAUKEE STREET

N

STA. 22+40, LT.
STA. 22+63, LT.
STA. 22+80, LT.
STA. 22+96, LT.
STA. 23+53, LT.
STA. 24+59, LT.
STA. 25+14, LT.

CONCRETE WALL

GUARD

DOOR

SHREDDED HARDWOOD BARK MULCH

GRASS

30

BL

36

PI: 23+01.24

PI: 24+42.69

SHREDDED HARDWOOD BARK MULCH

E. MILWAUKEE STREET

23+00

24+00

25+00

MATCHLINE STA. 22+25

MATCHLINE STA. 25+25

WALL #7, SEE WALL DETAILS

WALL #8, SEE WALL DETAILS

30

36

GRASS

SHREDDED HARDWOOD BARK MULCH

STA. 22+35, RT.
STA. 22+73, RT.
STA. 23+15, RT.
STA. 23+07, RT.
STA. 22+96, RT.
STA. 24+82, RT.

ASPHALT

GRASS

ASPHALT

PARKER PLACE

APG REAL PROPERTIES LLC
1 S. PARKER DRIVE

ONE PARKER PLACE LLP
300 E. MILWAUKEE STREET

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	STREETSCAPING	SHEET 74	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101-ST.DWG
LAYOUT NAME - 023104-st

PLOT DATE : 7/24/2022 12:58 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

POND PROPERTIES LLC
321 E. MILWAUKEE STREET

N. WISCONSIN STREET

EUGENE OAKLEY
SUZANNE OAKLEY
4 N. WISCONSIN STREET

A/C

GUY

GRASS

STEPS

GRASS

GRASS

GRASS

GRASS

GRASS

STA. 28+15, LT.

SHREDDED HARDWOOD BARK MULCH

STEPS

PI: 27+08.22

PI: 27+67.89

MATCHLINE STA. 25+25

26+00

27+00

28+00

MATCHLINE STA. 28+25

E. MILWAUKEE STREET

SHREDDED HARDWOOD BARK MULCH

SHREDDED HARDWOOD BARK MULCH

GRASS

SHREDDED HARDWOOD BARK MULCH

SHREDDED HARDWOOD BARK MULCH

GRASS

GRASS

GRAVEL MULCH

STA. 25+41, RT.

STA. 26+00, RT.

STA. 26+59, RT.

STA. 27+88, RT.

S. WISCONSIN STREET

FDW PROPERTIES LTD WI CORP
320 E. MILWAUKEE STREET

ONE PARKER PLACE LLP
402 E. MILWAUKEE STREET

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	STREETSCAPING	SHEET 75	E

2

2

WAGENER PROPERTIES LLC
409 E. MILWAUKEE STREET

BLACKHAWK APARTMENTS LLC
419 E. MILWAUKEE STREET

425 E. MILWAUKEE ST LLC
425 E. MILWAUKEE STREET

N

STEPS

STEPS

ASPHALT

GRAVEL MULCH

CONCRETE

STEPS

ASPHALT

GRASS

MATCHLINE STA. 28+25

PC: 28+42.91

STA. 29+38, LT.

STA. 29+85, LT.

GRASS

GRASS

GRASS

N. ATWOOD AVENUE

PT: 29+25.71

SHREDDED HARDWOOD BARK MULCH

SHREDDED HARDWOOD BARK MULCH

SHREDDED HARDWOOD BARK MULCH

GRASS

29+00

30+00

31+00

MATCHLINE STA. 31+25

E. MILWAUKEE STREET

STA. 28+45, RT.

GRASS

ASPHALT

GRASS

GRASS

GRASS

S. ATWOOD AVENUE

ONE PARKER PLACE LLP
418 E. MILWAUKEE STREET

GREGO
500 E. MILWAU

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	STREETSCAPING	SHEET 76	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101-ST.DWG
LAYOUT NAME - 023106-st

PLOT DATE : 10/24/2022 9:05 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

N

N. ATWOOD AVENUE

GIDEON NGOBI
JOY NGOBI
209 MILTON AVENUE

GRASS

STEPS

GRASS

EP: 33+53.91

MATCHLINE STA. 31+25

32+00

33+00

MILTON AVENUE

GRASS

GRASS

GRASS

STEPS

DOOR

KYLE CHROSTOWSKI
509 E. MILWAUKEE STREET

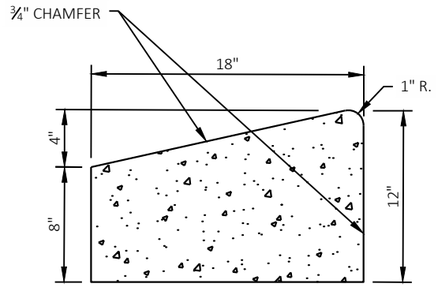
E. MILWAUKEE STREET

RY KOWAL
IKEE STREET

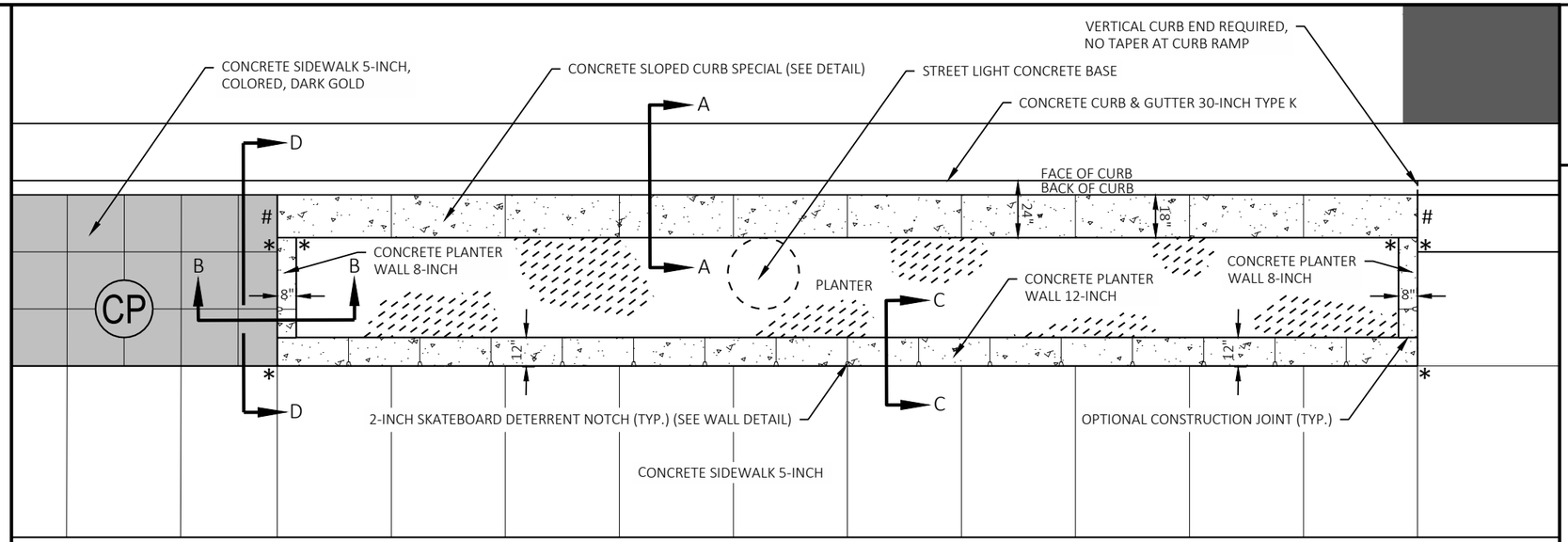
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	STREETSCAPING	SHEET 77	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101-ST.DWG
LAYOUT NAME - 023107-st

PLOT DATE : 7/24/2022 12:59 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT



CONCRETE SLOPED CURB SPECIAL DETAIL

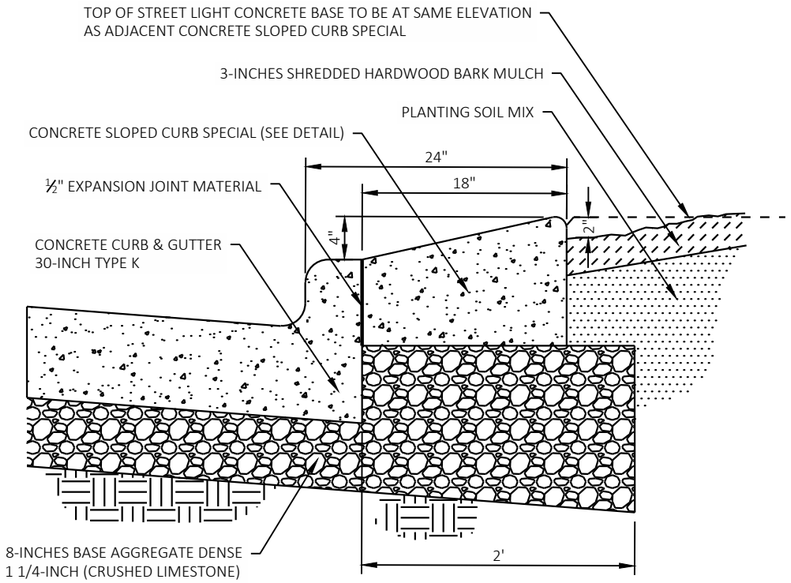


* ¾" VERTICAL CHAMFER REQUIRED

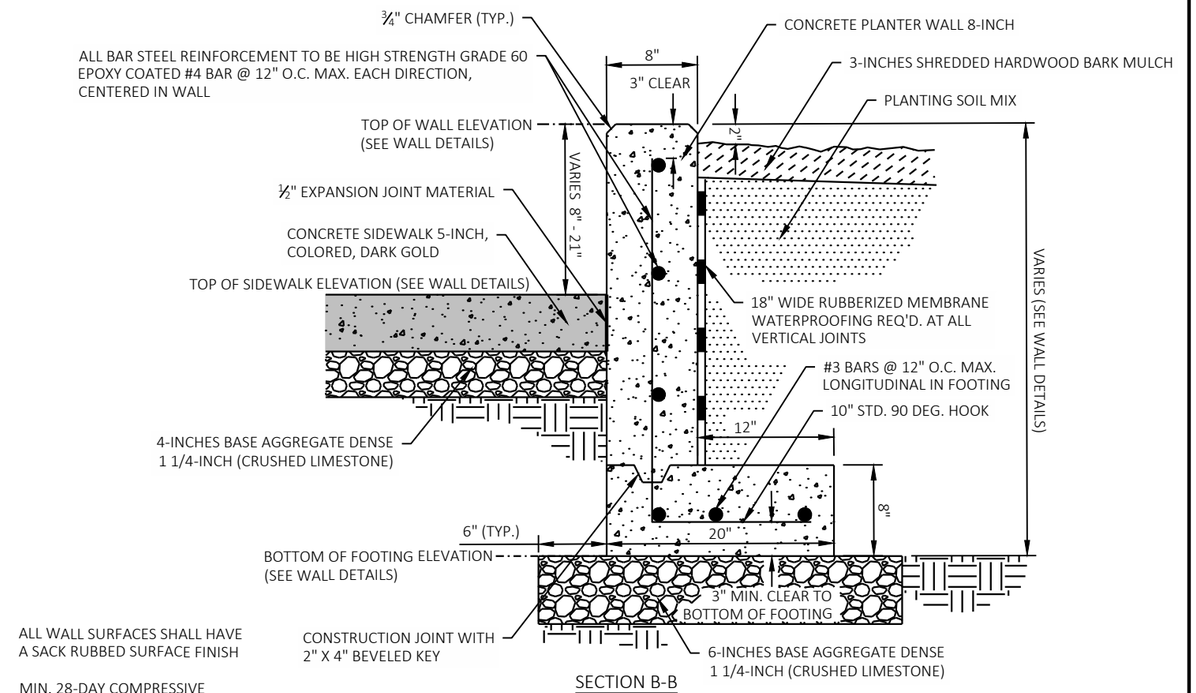
SACK RUBBED SURFACE FINISH ON VERTICAL ENDS OF CONCRETE SLOPED CURB SPECIAL

PLAN VIEW

INSTALL VERTICAL WALL JOINTING PATTERN TO ALIGN WITH SIDEWALK SCORING AS SHOWN ON PLAN VIEW DETAIL. THE WALL JOINTS CAN BE EITHER CONSTRUCTION JOINTS WITH NO STEEL PASSING THROUGH OR TOOLED CONTROL JOINTS EXTENDING ON ALL CONCRETE SURFACES IF ALL OF THE CONCRETE IS POURED IN ONE PLACEMENT.



SECTION A-A

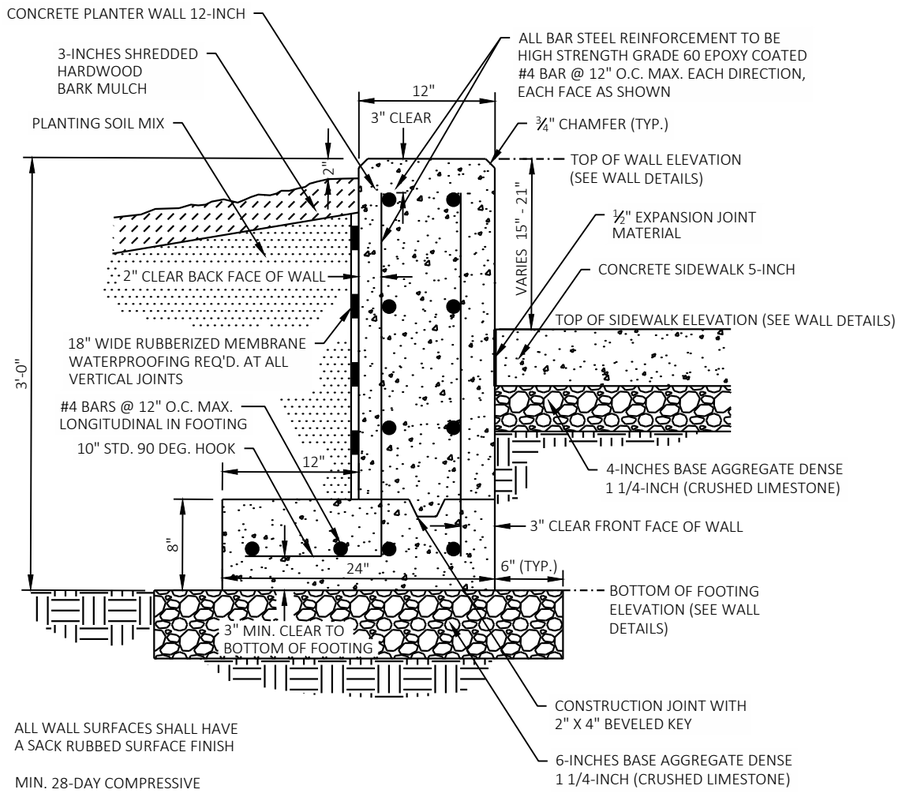


ALL WALL SURFACES SHALL HAVE A SACK RUBBED SURFACE FINISH

MIN. 28-DAY COMPRESSIVE STRENGTH = 3,500 PSI

SECTION B-B

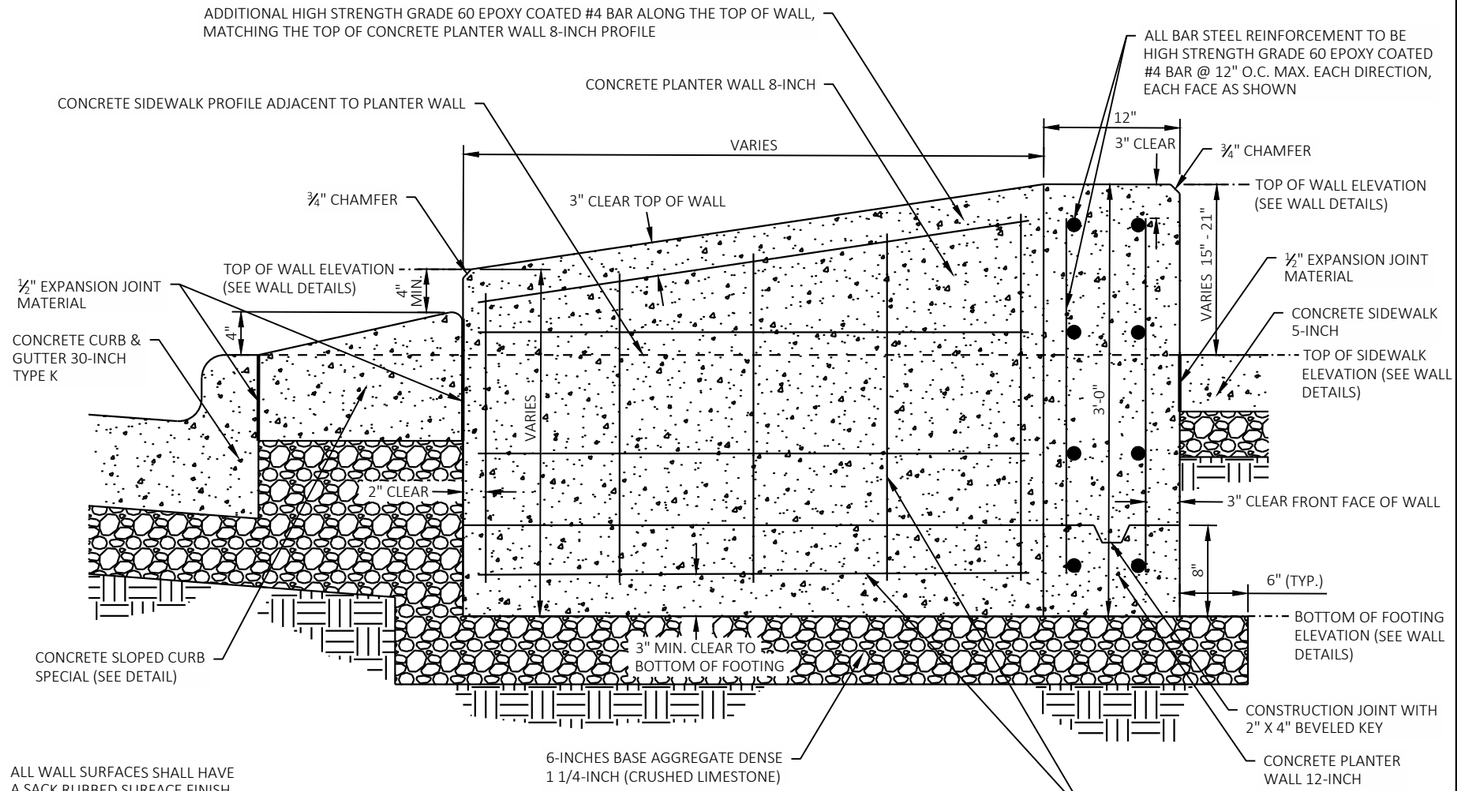
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WALL DETAILS	SHEET 78	E



ALL WALL SURFACES SHALL HAVE A SACK RUBBED SURFACE FINISH

MIN. 28-DAY COMPRESSIVE STRENGTH = 3,500 PSI

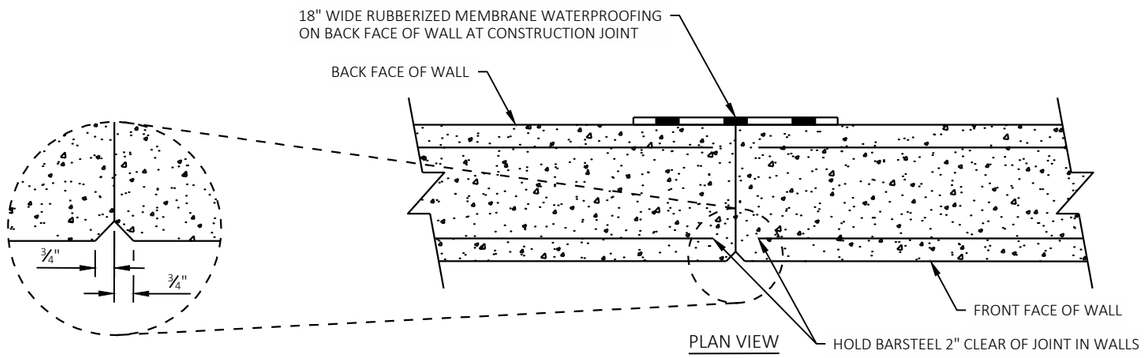
SECTION C-C



ALL WALL SURFACES SHALL HAVE A SACK RUBBED SURFACE FINISH

MIN. 28-DAY COMPRESSIVE STRENGTH = 3,500 PSI

SECTION D-D



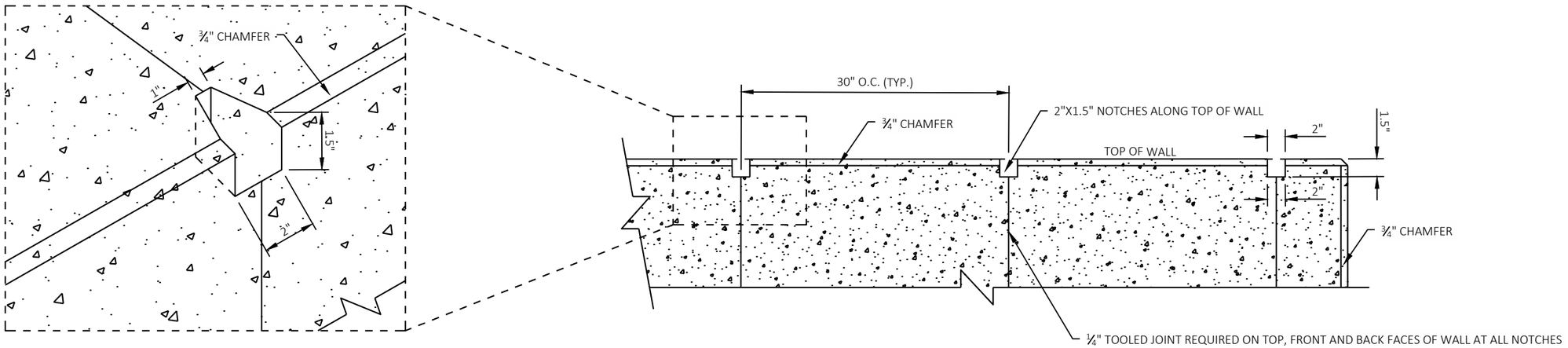
PLAN VIEW

VERTICAL CONSTRUCTION JOINT DETAIL

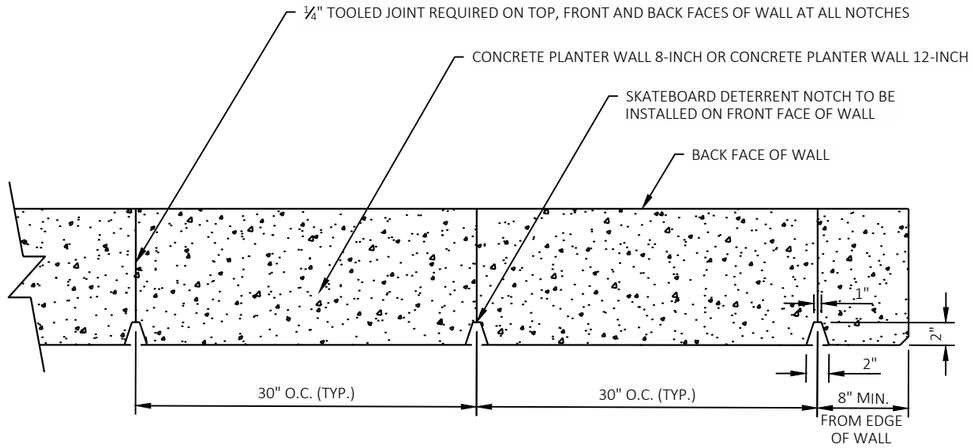
NOTE: APPLICABLE IF CONSTRUCTION JOINT IS USED IN LIEU OF CONTROL JOINT

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WALL DETAILS	SHEET 79	E

2



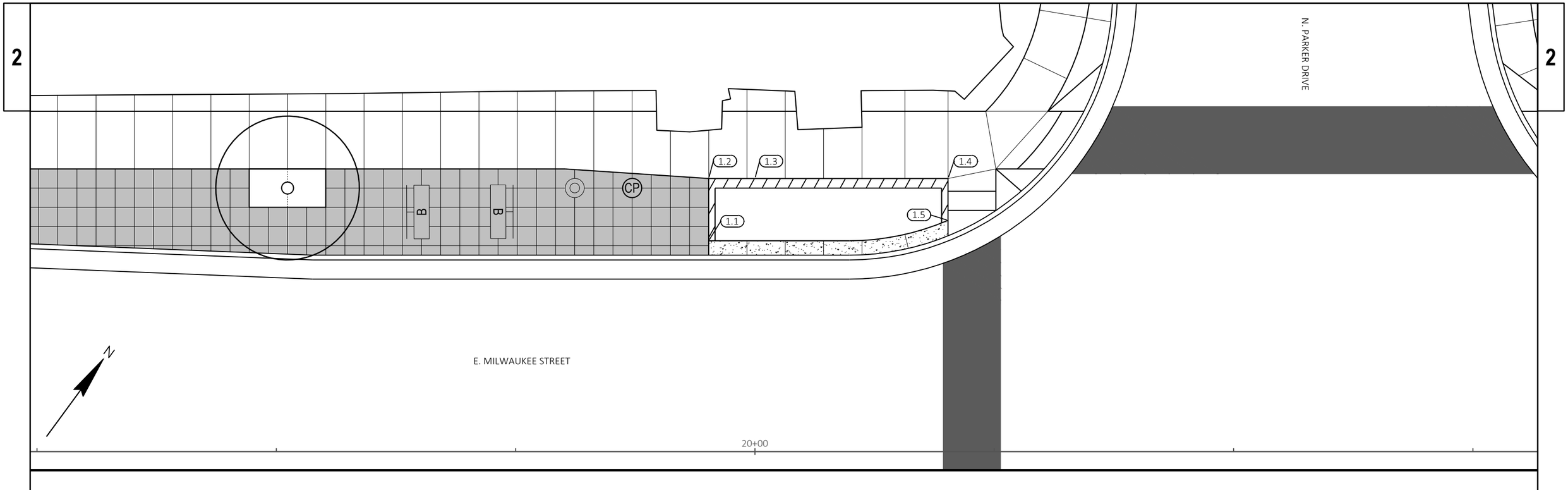
ELEVATION VIEW



PLAN VIEW

2-INCH SKATEBOARD DETERRENT NOTCH DETAIL

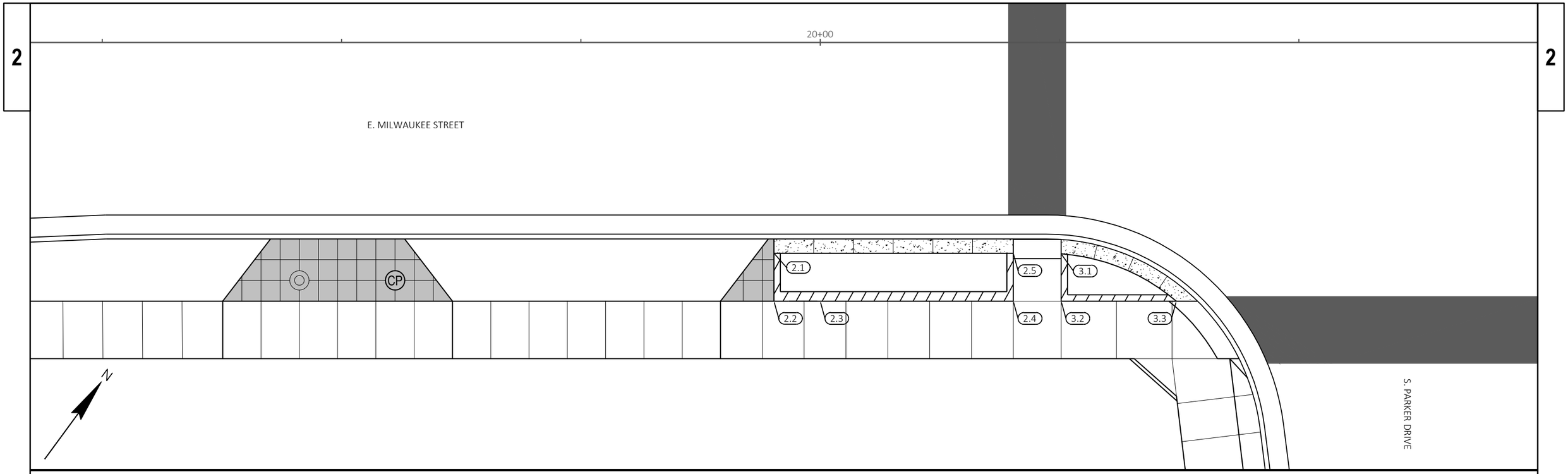
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WALL DETAILS	SHEET 80	E



Wall 1							
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	BOTTOM OF FOOTING ELEVATION	TOP OF SIDEWALK ELEVATION	TOP OF WALL ELEVATION
1.1	19+95.17	22.00' LT	269321.19	493561.85	785.04	786.70	787.36
1.2	19+95.17	28.50' LT	269326.67	493558.35	785.08	786.74	788.49
1.3	20+00.00	28.50' LT	269329.27	493562.43	785.37	787.03	788.70
1.4	20+20.17	28.50' LT	269340.11	493579.44	786.69	788.35	789.60
1.5	20+20.17	24.13' LT	269336.42	493581.78	786.37	788.03	788.69

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WALL DETAILS: N. PARKER DRIVE NORTHWEST CORNER (WALL #1)	SHEET 81	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101_WD.DWG
LAYOUT NAME - 023104-wd
PLOT DATE : 7/24/2022 1:02 PM PLOT BY : JASON DOLENS PLOT NAME : _____ PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 42

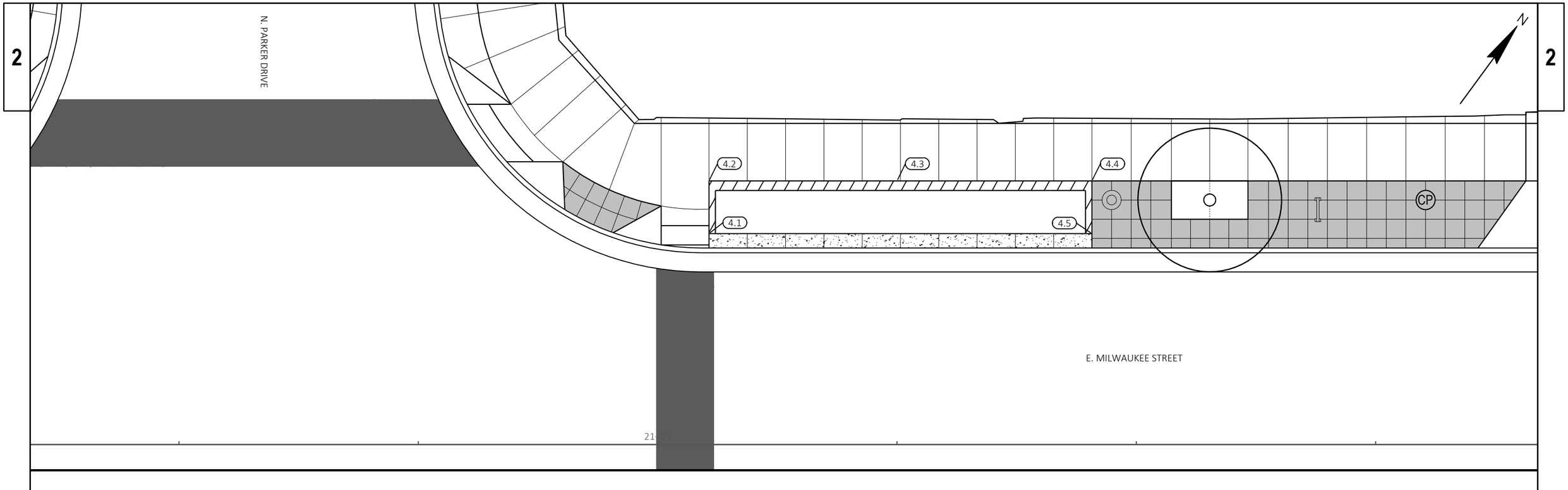


Wall 2							
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	BOTTOM OF FOOTING ELEVATION	TOP OF SIDEWALK ELEVATION	TOP OF WALL ELEVATION
2.1	19+95.17	22.00' RT	269284.09	493585.50	784.85	786.51	787.17
2.2	19+95.17	27.00' RT	269279.87	493588.18	784.99	786.65	788.40
2.3	20+00.00	27.00' RT	269282.47	493592.26	785.20	786.86	788.48
2.4	20+20.17	27.00' RT	269293.31	493609.27	785.82	787.48	788.81
2.5	20+20.17	22.00' RT	269297.52	493606.58	785.47	787.13	787.79

Wall 3							
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	BOTTOM OF FOOTING ELEVATION	TOP OF SIDEWALK ELEVATION	TOP OF WALL ELEVATION
3.1	20+25.17	22.06' RT	269300.16	493610.83	785.61	787.27	787.93
3.2	20+25.17	27.00' RT	269295.99	493613.48	785.90	787.56	788.81
3.3	20+37.21	27.00' RT	269302.46	493623.63	786.34	788.00	786.66

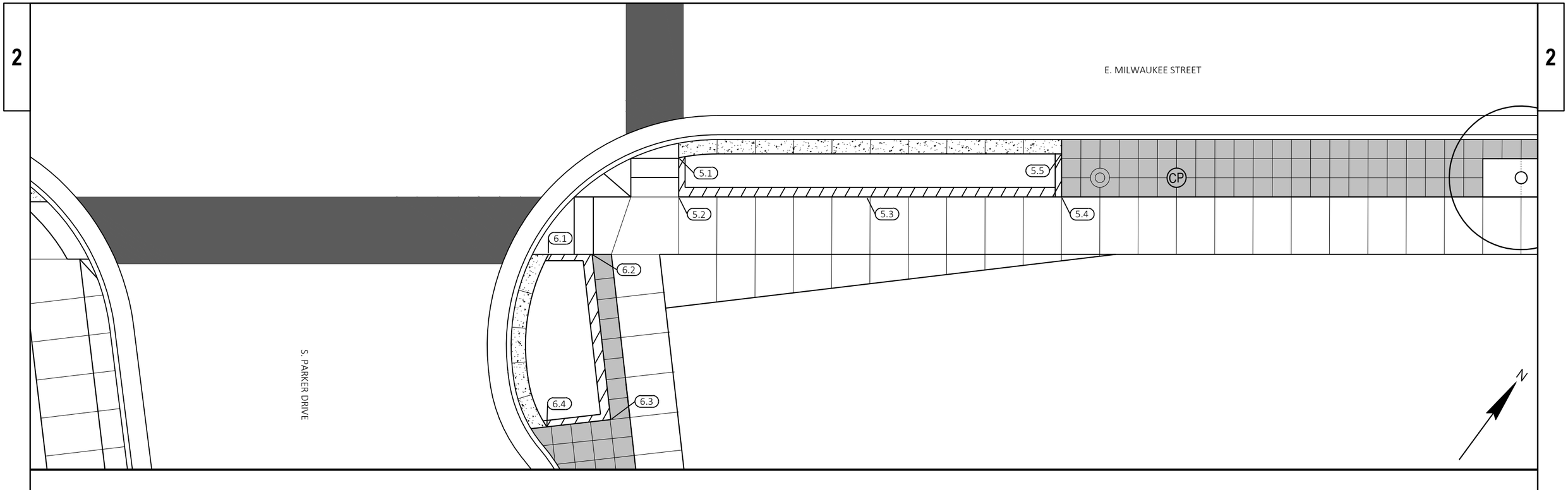
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WALL DETAILS: S. PARKER DRIVE SOUTHWEST CORNER (WALL #2 & #3)	SHEET 82	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023101_WD.DWG
LAYOUT NAME - 023105-wd
PLOT DATE : 7/24/2022 1:02 PM
PLOT BY : JASON DOLENS
PLOT NAME : _____
PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 42



Wall 4							
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	BOTTOM OF FOOTING ELEVATION	TOP OF SIDEWALK ELEVATION	TOP OF WALL ELEVATION
4.1	21+05.36	22.00' LT	269380.42	493654.77	789.27	790.93	791.59
4.2	21+05.36	27.50' LT	269385.05	493651.81	789.43	791.09	792.84
4.3	21+25.00	27.50' LT	269395.61	493668.37	790.23	791.89	793.33
4.4	21+45.36	27.50' LT	269406.55	493685.54	790.94	792.60	793.85
4.5	21+45.36	22.00' LT	269401.91	493688.50	790.92	792.58	793.24

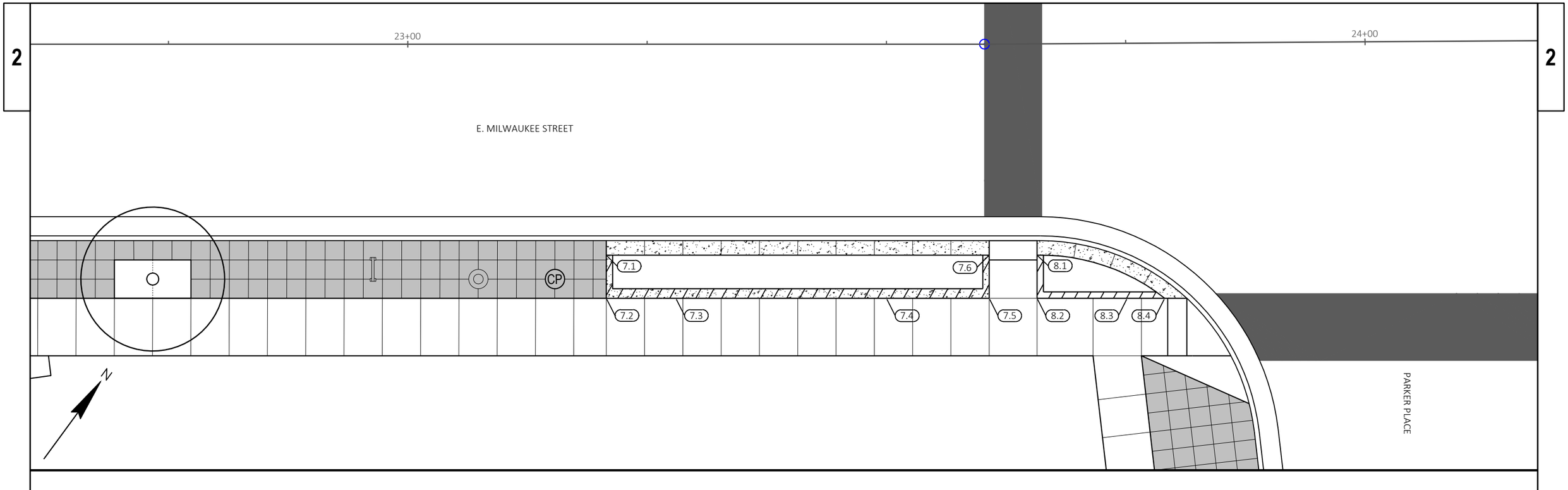
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WALL DETAILS: N. PARKER DRIVE NORTHEAST CORNER (WALL #4)	SHEET 83	E



Wall 5							
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	BOTTOM OF FOOTING ELEVATION	TOP OF SIDEWALK ELEVATION	TOP OF WALL ELEVATION
5.1	21+05.36	22.40' RT	269342.97	493678.63	788.57	790.23	790.89
5.2	21+05.36	26.50' RT	269339.52	493680.84	788.66	790.32	791.90
5.3	21+25.00	26.50' RT	269350.07	493697.40	789.36	791.02	792.48
5.4	21+45.36	26.50' RT	269361.01	493714.57	790.18	791.84	793.09
5.5	21+45.36	22.00' RT	269364.81	493712.15	790.28	791.94	792.60

Wall 6							
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	BOTTOM OF FOOTING ELEVATION	TOP OF SIDEWALK ELEVATION	TOP OF WALL ELEVATION
6.1	20+91.75	32.50' RT	269327.14	493672.58	788.20	789.86	790.52
6.2	20+96.32	32.50' RT	269329.59	493676.43	788.38	790.04	791.46
6.3	20+98.27	49.76' RT	269316.09	493687.36	788.49	790.15	791.46
6.4	20+91.60	50.51' RT	269311.87	493682.13	788.44	790.10	790.76

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WALL DETAILS: S. PARKER DRIVE SOUTHEAST CORNER (WALL #5 & #6)	SHEET 84	E

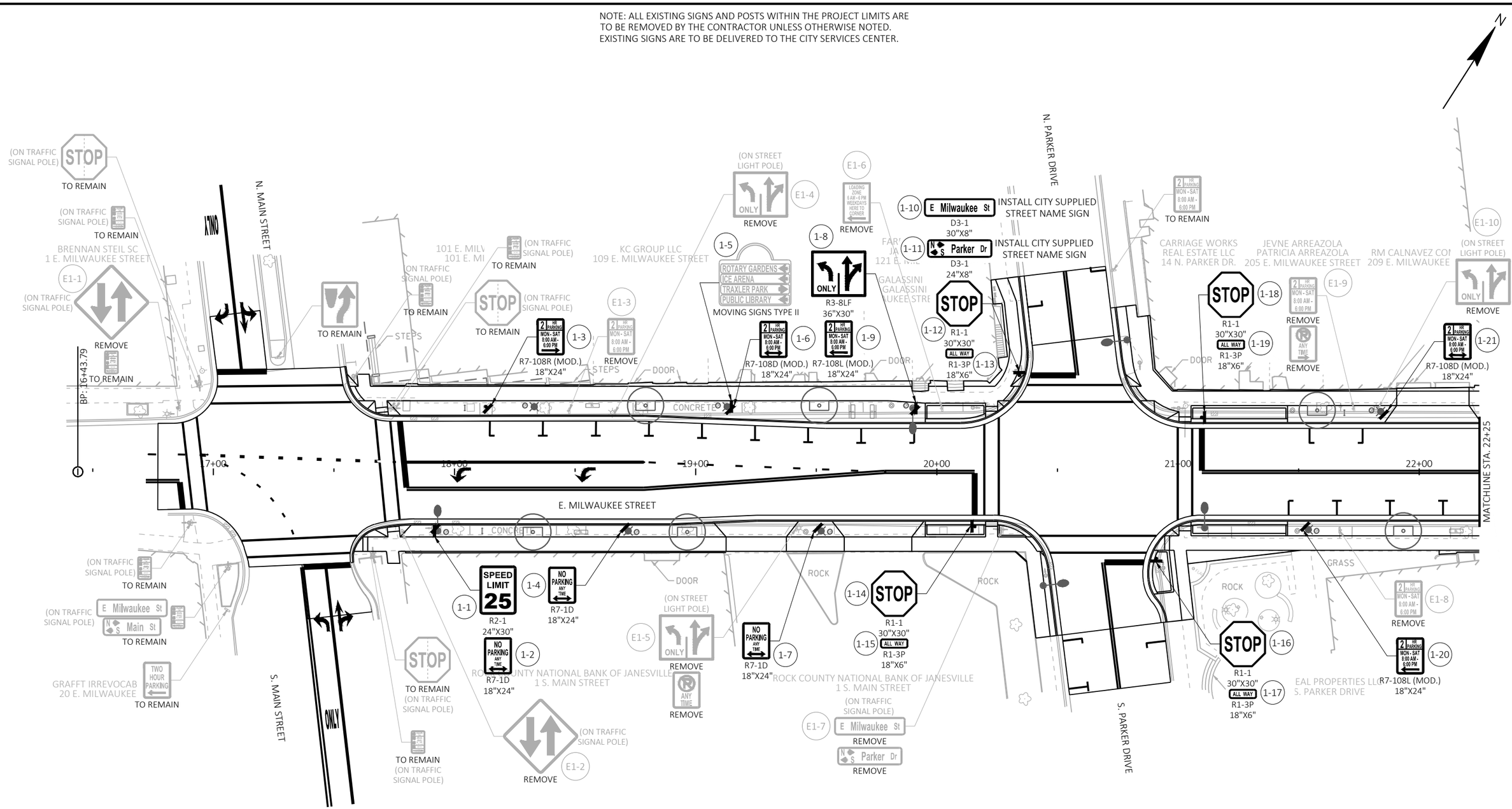


Wall 7							
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	BOTTOM OF FOOTING ELEVATION	TOP OF SIDEWALK ELEVATION	TOP OF WALL ELEVATION
7.1	23+20.74	22.00' RT	269459.07	493860.04	796.65	798.31	798.97
7.2	23+20.74	26.50' RT	269455.28	493862.46	796.87	798.53	800.03
7.3	23+28.00	26.50' RT	269459.18	493868.58	797.04	798.70	800.18
7.4	23+50.00	26.50' RT	269471.00	493887.13	797.90	799.56	800.81
7.5	23+60.57	26.50' RT	269476.77	493896.19	797.96	799.62	800.87
7.6	23+60.60	22.00' RT	269480.57	493893.77	797.74	799.40	800.06

Wall 8							
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	BOTTOM OF FOOTING ELEVATION	TOP OF SIDEWALK ELEVATION	TOP OF WALL ELEVATION
8.1	23+65.60	22.04' RT	269483.25	493897.99	797.91	799.57	800.23
8.2	23+65.57	26.53' RT	269479.46	493900.41	798.03	799.69	800.95
8.3	23+75.00	26.59' RT	269484.53	493908.36	798.23	799.89	801.14
8.4	23+78.91	26.62' RT	269486.63	493911.65	798.21	799.87	800.53

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	WALL DETAILS: PARKER PLACE SOUTHWEST CORNER (WALL #7 & #8)	SHEET 85	E

NOTE: ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS ARE TO BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. EXISTING SIGNS ARE TO BE DELIVERED TO THE CITY SERVICES CENTER.



PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PERMANENT SIGNING	SHEET 86	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-ps

PLOT DATE : 7/24/2022 1:06 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2-5 E Milwaukee St — INSTALL CITY SUPPLIED STREET NAME SIGN
D3-1
30"X8"

2-6 Parker Pl — INSTALL CITY SUPPLIED STREET NAME SIGN
D3-1
24"X8"

2-15 E Milwaukee St — INSTALL CITY SUPPLIED STREET NAME SIGN
D3-1
30"X8"

2-16 N S Wisconsin St — INSTALL CITY SUPPLIED STREET NAME SIGN
D3-1
30"X8"

E2-3 PARKER PL — REMOVE
E MILWAUKEE ST — REMOVE
ONE WAY — REMOVE
LOT C LEASED PARKING IN DESIGNATED STALLS ONLY — PRIVATE SIGN TO REMAIN
ONE P/ 215 E. M — STOP — REMOVE
ONE WAY — REMOVE
E2-2 — 2 HR PARKING MON - SAT 8:00 AM - 6:00 PM — REMOVE
2-2 — R7-108D (MOD.) 18"X24"
CONCRETE WALL
GUARD
PARKER PLACE
DO NOT ENTER — REMOVE
AMERI D DATA SERVICES KEE STREET
DO NOT ENTER — REMOVE
ONE WAY — REMOVE
PI: 23+60.24
PI: 24+42.69
DOOR
2-7 STOP — R1-1 30"X30"
2-9 DO NOT ENTER — R5-1 30"X30"
ONE WAY — REMOVE
E2-4
2-11 — R3-1 24"X24"
(ON STREET LIGHT POLE)
NO PARKING HERE TO DRIVEWAY — REMOVE
E2-7
PRIVATE PROPERTY NO PARKING — PRIVATE SIGN TO REMAIN
PRIVATE PROPERTY NO PARKING — PRIVATE SIGN TO REMAIN
2-17 STOP — R1-1 30"X30"
POND PROPERTIES LLC
321 E. MILWAUKEE STREET
E2-9 STOP — REMOVE
STEPS
PI: 26+45.22
N. WISCONSIN STREET
EUGENE OAKLEY
SUZANNE OAKLEY
4 N. WISCONSIN
E2-11 — REMOVE
2-21 — R3-2 24"X24"
2-22 — NO PARKING ANY TIME — R7-1D 18"X24"
E2-13 — BETWEEN SIGNS — REMOVE
PI: 27+67.89
GRASS
STEPS
2-8 DO NOT ENTER — R5-1 (MOD.) (OCTAGON) 30"X30"
23+00
24+00
25+00
26+00
27+00
28+00
E. MILWAUKEE STREET
MATCHLINE STA. 22+25
MATCHLINE STA. 28+25
(ON UTILITY POLE)
DO NOT ENTER — REMOVE
GRASS
CONCRETE
STEPS
DOOR
(ON STREET LIGHT POLE)
2-1 — 2 HR PARKING MON - SAT 8:00 AM - 6:00 PM — R7-108D (MOD.) 18"X24"
E2-1 — REMOVE
2-3 — R3-2 24"X24"
APG REAL PROPERTIES LLC
1 S. PARKER DRIVE
2-4 — 2 HR PARKING MON - SAT 8:00 AM - 6:00 PM — R7-108R (MOD.) 18"X24"
PARKER PLACE
GRASS
CONCRETE WALL
ASPHALT
2-12 — NO PARKING HERE TO CORNER — R7-51R 18"X24"
STOP — REMOVE
E2-6 PARKER PLACE LLP MILWAUKEE STREET
NO PARKING HERE TO CORNER — REMOVE
E2-5
2-10 STOP — R1-1 30"X30"
2-13 — NO PARKING HERE TO CORNER — R7-51L 18"X24"
STEPS
DOOR
E2-8 — REMOVE
2-14 — R3-1 24"X24"
VI CORP TREET
E2-10
DO NOT ENTER — REMOVE
2-18 DO NOT ENTER — R5-1 30"X30"
2-20 DO NOT ENTER — R5-1 (MOD.) (OCTAGON) 30"X30"
2-19 STOP — R1-1 30"X30"
PRIVATE PARKING LOT — PRIVATE SIGN TO REMAIN
S. WISCONSIN STREET
(ON UTILITY POLE)
ONE WAY — REMOVE
E2-12
STOP — REMOVE
(ON UTILITY POLE)
ONE PARKER PLACE LLP
402 E. MILWAUKEE STREET
ONE WAY — REMOVE
(ON UTILITY POLE)
Wisconsin ST — REMOVE
Milwaukee ST — REMOVE

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PERMANENT SIGNING	SHEET 87	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023202-ps
PLOT DATE : 7/24/2022 1:06 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

N

(ON TRAFFIC SIGNAL POLE) NO TURN ON RED REMOVE
E3-6
(ON TRAFFIC SIGNAL POLE) STOP REMOVE
3-9 STOP R1-1F 30"X30"
3-6 INSTALL CITY SUPPLIED STREET NAME SIGN E Milwaukee St D3-1 30"X8"
INSTALL CITY SUPPLIED STREET NAME SIGN N S Atwood Ave D3-1 30"X8"
3-7
3-8 R10-3EL 9"X15"
(ON TRAFFIC SIGNAL POLE) N S Atwood Ave REMOVE
E Milwaukee St REMOVE
3-2 NO PARKING ANY TIME R7-1D 18"X24"
WAGENER PROPERTIES LLC 409 E. MILWAUKEE STREET
425 E. MILWAUKEE ST LLC MILWAUKEE STREET
E3-5
STEPS
3-1 NO PARKING ANY TIME R7-1D 18"X24"
BETWEEN SIGNS REMOVE
E3-3
CONCRETE
GRASS
MATCHLINE STA. 28+25
PT: 28+42.91
PT: 29+25.71
29+00
30+00
31+00
E. MILWAUKEE STREET
R10-3ER 9"X15"
3-11
3-10 NO TURN ON RED R10-11B 24"X24"
PRIVATE PARKING LOT PARKING FOR TENANTS OF 320 E. MILWAUKEE ST ONLY ALL OTHER VEHICLES WILL BE TOWED AWAY AT OWNER'S EXPENSE
PRIVATE SIGN TO REMAIN
TWO HOUR PARKING REMOVE
E3-1
BETWEEN SIGNS REMOVE
E3-2
BETWEEN SIGNS REMOVE
E3-4
(ON STREET LIGHT POLE) ONLY REMOVE
GRASS
3-3 STOP R1-1F 30"X30"
ONE PARKER PLACE 418 E. MILWAUKEE
3-4 R10-3ER 9"X15"
3-5 R10-3EL 9"X15"
S. ATWOOD AVENUE
3-15 R10-3ER 9"X15"
E3-9
DO NOT ENTER REMOVE
3-19
DO NOT ENTER R5-1 30"X30"
3-20 R10-3EL 9"X15"
500 E. M
3-12 BUS STOP MOVING SIGNS TYPE II, MOVING SMALL SIGN SUPPORTS
E3-7
(ON TRAFFIC SIGNAL POLE) NO TURN ON RED REMOVE
NO TURN ON RED 3-13 R10-11B 24"X24"
STOP 3-14 R1-1F 30"X30"
STOP REMOVE
N. ATWOOD AVENUE
NO TURN ON RED 3-16 R10-11B 24"X24"
3-17 R5-2 24"X24"
(ON TRAFFIC SIGNAL POLE) NO TURN ON RED REMOVE
E3-8
R10-3EL 9"X15"
GRASS REMOVE
3-18
STOP 3-23 R1-1F 30"X30"
3-24 R10-3EL 9"X15"
BUS STOP 3-25 MOVING SIGNS TYPE II MOVING SMALL SIGN SUPPORTS
HERE TO CORNER REMOVE
E3-14
NO PARKING HERE TO CORNER 3-33 R7-51L 18"X24"
EP: 33+53.91
32+00
33+00
MILTON AVENUE
(ON TRAFFIC SIGNAL POLE) STOP REMOVE
E3-10
(ON TRAFFIC SIGNAL POLE) DO NOT ENTER REMOVE
E3-12
(ON TRAFFIC SIGNAL POLE) END ONE WAY REMOVE
STOP 3-31 R1-1 30"X30"
STOP REMOVE
E3-13
3-32 R3-2 24"X24"
REMOVE
CHROSTOWSKI
MILWAUKEE STREET
STEPS
NO PARKING HERE TO CORNER TO REMAIN
BUS STOP TO REMAIN
E. MILWAUKEE STREET
(ON TRAFFIC SIGNAL POLE) NO TURN ON RED REMOVE
E3-11
END ONE WAY 3-30 R6-7 24"X30"
STOP REMOVE
NO TURN ON RED 3-21 R10-11B 24"X24"
STOP 3-22 R1-1F 30"X30"
3-26 NO PARKING HERE TO CORNER R7-51R 18"X24"
DO NOT ENTER 3-27 R5-1 30"X30"
3-28 R10-3EL 9"X15"
3-29 R10-3ER 9"X15"

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PERMANENT SIGNING	SHEET 88	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023203-ps
PLOT DATE : 10/24/2022 9:11 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

DECORATIVE MAST ARM LIGHTING UNIT (UNLESS OTHERWISE NOTED)

DECORATIVE POLE TOP LIGHTING UNIT

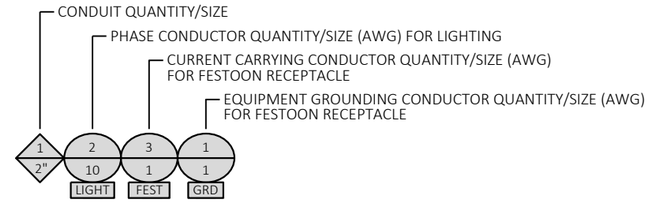
CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH UNLESS OTHERWISE NOTED (STREET LIGHTING)
(SCHEDULE 80 BELOW ROADWAY)

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

PULL BOXES STEEL 24x42-INCH

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

REMOVE LIGHT POLE ASSEMBLY,
REMOVE & SALVAGE LED STREET LIGHT FIXTURE,
REMOVING CONCRETE BASES





PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	LIGHTING PLAN	SHEET 89	E

2

EXLP6
EXISTING LIGHT POLE TO REMAIN
STA. 20+50.5, 274.7' LT.

ALL EXISTING CONDUIT AND WIRES TO REMAIN (TYP.)

EXLP8
EXISTING LIGHT POLE TO REMAIN
STA. 21+75.9, 236.0' LT.

EXPB6
EXISTING PULL BOX TO REMAIN
STA. 21+77.0, 234.0' LT.

PARKING LOT

N. PARKER DRIVE

EXPB4
EXISTING PULL BOX TO REMAIN
STA. 20+57.2, 218.5' LT.

EXPB5
EXISTING PULL BOX TO REMAIN
STA. 21+32.0, 225.2' LT.

EXLP5
EXISTING LIGHT POLE TO REMAIN
STA. 20+57.3, 217.1' LT.

EXLP7
EXISTING LIGHT POLE TO REMAIN
STA. 21+32.0, 223.7' LT.

MATCHLINE 'A'

N. MAIN STREET

BRENNAN STEIL SC
1 E. MILWAUKEE STREET

101 E. MILWAUKEE STREET LLC
101 E. MILWAUKEE STREET

KC GROUP LLC
109 E. MILWAUKEE STREET

KIMBALL PROPERTIES 117
117 E. MILWAUKEE STRE

EXISTING LIGHT POLE TO REMAIN
(LIGHT IS POWERED BY TRAFFIC SIGNAL)
STA. 17+58.0, 39.7' LT.

EXISTING LIGHT POLE TO REMAIN
(LIGHT IS POWERED BY TRAFFIC SIGNAL)
STA. 16+80.7, 24.0' LT.

BP: 16+43.79

1-2-(5,7)-(6)
STA. 18+33.0, 27.0' LT.

PB-1
STA. 17+94.0, 25.5' LT.

1-4-(5,7)-(8)
STA. 19+13.0, 27.0' LT.

PB-3
STA. 20+36.0, 46.5' LT.

1-6-(5,7)-(6)
STA. 19+90.0, 26.5' LT.

TG2

TG4

REMOVING PULL BOXES

E. MILWAUKEE STREET

17+00

18+00

19+00

20+00

21+00

22+00

MATCHLINE STA. 22+25

EXISTING CONDUIT TO REMAIN

EXLP2
EXISTING LIGHT POLE TO REMAIN
STA. 20+25.3, 149.0' LT.

CONNECT EXISTING CONDUIT INTO PB-23

PB-23
STA. 20+26.0, 72.0' LT.

MATCHLINE 'A'

EXPB3
EXISTING PULL BOX TO REMAIN
STA. 20+61.8, 178.8' LT.

EXLP4
EXISTING LIGHT POLE TO REMAIN
STA. 20+62.0, 177.4' LT.

EXISTING CONDUIT AND WIRES TO REMAIN

EXLP3
EXISTING LIGHT POLE TO REMAIN
STA. 20+67.3, 132.7' LT.

EXPB2
EXISTING PULL BOX TO REMAIN
STA. 20+67.3, 131.3' LT.

CONNECT TO EXISTING CONDUIT

1-8-(5,7)-(8)
STA. 20+78.8, 54.6' LT.

PB-4
STA. 20+79.0, 46.5' LT.

1-11-(5,7)-(6)
STA. 21+84.0, 25.0' LT.

PB-7
STA. 21+73.0, 22.5' LT.

TG5

N. PARKER DRIVE

CARBY REAL 111 N.

REAZOLA

RM CALNAVEZ COMPANY
209 E. MILWAUKEE STREET

TG1

TG3

TG6

1-1-(1,3)-(2)
STA. 17+93.0, 24.5' RT.

1-3-(1,3)-(4)
STA. 18+72.0, 24.5' RT.

1-5-(1,3)-(2)
STA. 19+52.0, 24.5' RT.

1-7-(1,3)-(4)
STA. 20+44.0, 47.2' RT.

1-10-(1,3)-(4)
STA. 21+54.0, 24.0' RT.

1-9-(1,3)-(2)
STA. 21+11.0, 23.25' RT.

PB-8
STA. 21+73.0, 22.5' RT.

PB-2
STA. 17+89.0, 24.0' RT.

PB-5
STA. 20+46.5, 55.0' RT.

PB-6
STA. 20+95.3, 55.0' RT.

REMOVING PULL BOXES

ROCK

EXISTING LIGHT POLE TO REMAIN
(LIGHT IS POWERED BY TRAFFIC SIGNAL)
STA. 17+06.2, 40.2' RT.

S. MAIN STREET

GRAFFT IRREVOCABLE TRUST
20 E. MILWAUKEE STREET

NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

ROCK COUNTY NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

APG REAL PRO
1 S. PARKER DRIVE

S. PARKER DRIVE

CONNECT TO EXISTING CONDUIT

EXISTING CONDUIT TO REMAIN

EXLP1
EXISTING LIGHT POLE TO REMAIN
STA. 21+07.0, 148.4' RT.

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	LIGHTING PLAN	SHEET 90	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023602-lp
PLOT DATE : 7/24/2022 1:12 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

PB-10
STA. 24+12.3, 45.0' LT.

PB-22
STA. 24+15.3, 47.3' LT.

PB-9
STA. 23+76.5, 45.0' LT.

COORDINATE WITH ALLIANT ENERGY FOR ELECTRICAL SERVICE

ONE PARKER PLACE LLP
215 E. MILWAUKEE STREET

AMERITECH ADVANCED DATA SERVICES
301 E. MILWAUKEE STREET

POND PROPERTIES LLC
321 E. MILWAUKEE STREET

PB-16
STA. 27+79.0, 22.0' LT.

EUGENE OAKLEY
SUZANNE OAKLEY
4 N. WISCONSIN STREET

1-13-(5,7)-(8)
STA. 22+67.0, 25.0' LT.

1-15-(5,7)-(6)
STA. 23+56.0, 25.0' LT.

PB-11
STA. 24+29.5, 23.0' LT.

1-17-(5,7)-(8)
STA. 25+82.0, 24.5' LT.

PB-15
STA. 26+97.0, 24.0' LT.

1-19-(5,7)-(6)
STA. 27+83.0, 22.5' LT.

PARKER PLACE

N. WISCONSIN STREET

Pl: 23+00.24

Pl: 24+42.69

Pl: 26+08.22

Pl: 27+67.89

MATCHLINE STA. 22+25

MATCHLINE STA. 28+25

23+00

24+00

25+00

26+00

27+00

28+00

E. MILWAUKEE STREET

REMOVING PULL BOXES

REMOVING PULL BOXES

REMOVING PULL BOXES

REMOVING PULL BOXES

1-12-(1,3)-(2)
STA. 22+32.0, 24.0' RT.

APG REAL PROPERTIES LLC
1 S. PARKER DRIVE

1-14-(1,3)-(4)
STA. 23+12.0, 24.0' RT.

PB-12
STA. 23+87.2, 50.0' RT.

1-16-(1,3)-(2)
STA. 24+57.0, 24.5' RT.

PB-14
STA. 24+30.0, 34.5' RT.

LCC-1
STA. 24+30.0, 40.0' RT.

PB-13
STA. 24+23.3, 48.0' RT.

1-18-(1,3)-(4)
STA. 26+81.0, 24.5' RT.

FDW PROPERTIES LTD WI CORP
320 E. MILWAUKEE STREET

PB-17
STA. 27+11.0, 24.5' RT.

PB-18
STA. 27+78.0, 23.5' RT.

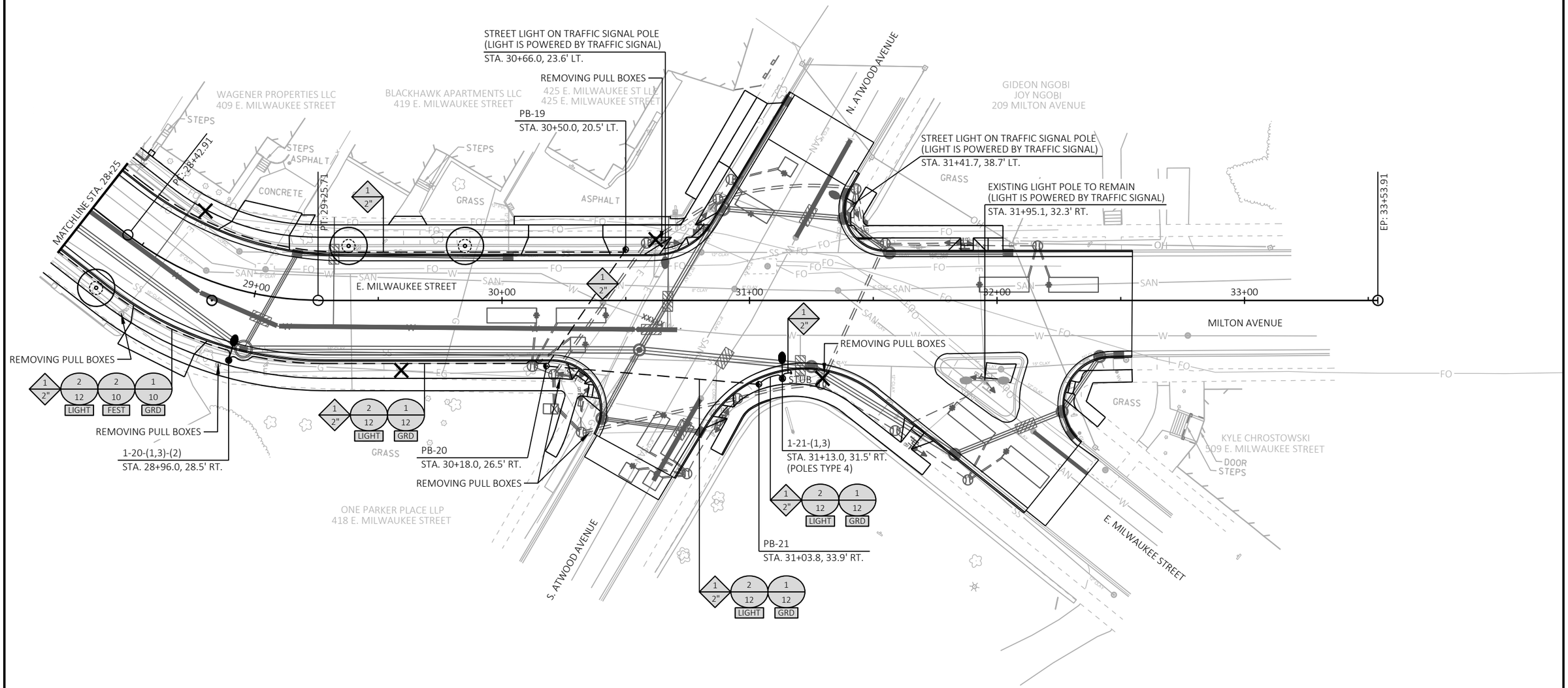
ONE PARKER PLACE LLP
402 E. MILWAUKEE STREET

S. WISCONSIN STREET

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	LIGHTING PLAN	SHEET 91	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\023601-LP.DWG
LAYOUT NAME - 023603-lp
PLOT DATE : 7/24/2022 1:12 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	LIGHTING PLAN	SHEET 92	E

2

NOTES:

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN ON THE PLANS.
2. CONSTRUCTION ENGINEER SHALL INSPECT CONDUIT RUNS 3 DAYS PRIOR TO PLACING CABLE AND WIRE INTO THE SYSTEM.
3. DETECTION LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE TRAVEL LANES UNLESS OTHERWISE NOTED. DETECTION LOOP AND ORIENTATION SHOWN ON PLAN.
4. ALL LENSES ARE 12-INCH LED.
5. REUSE EXISTING CONDUCTORS FOR CONNECTING NEW TRAFFIC SIGNAL FACE 3S 12-INCH.

CONFIGURATION WITH HEAD NUMBERS

XX
R
Y
G

2A, 2B, 2C

2

REMOVE AND DISPOSE OF EXISTING LOOP DETECTOR WIRE FROM EX83 AND EX84 TO EXPB22. DO NOT DAMAGE EXISTING LOOP DETECTOR LEAD IN CABLE.

CONNECT NEW LOOP DETECTOR CONDUIT INTO EXISTING LOOP DETECTOR CONDUIT AT EXISTING CURB AND GUTTER.

INSTALL NEW LOOP DETECTOR WIRE FROM EXISTING LOOP DETECTOR LEAD IN CABLE IN EXPB22 TO LOOPS 83 AND 84.

REMOVE AND SALVAGE EXISTING 3-SECTION TRAFFIC SIGNAL HEAD ON EXSB17 TO THE CITY OF JANESVILLE. INSTALL NEW TRAFFIC SIGNAL FACE 3S 12-INCH.

CONNECT NEW CONDUIT INTO EXPB19

REMOVE AND DISPOSE OF EXISTING LOOP DETECTOR WIRE FROM EX21 TO EXPB24. DO NOT DAMAGE EXISTING LOOP DETECTOR LEAD IN CABLE.

CONNECT NEW LOOP DETECTOR CONDUIT INTO EXISTING LOOP DETECTOR CONDUIT AT EXISTING CURB AND GUTTER.

INSTALL NEW LOOP DETECTOR WIRE FROM EXISTING LOOP DETECTOR LEAD IN CABLE IN EXPB24 TO LOOP 21.

REMOVE AND SALVAGE EXISTING 3-SECTION TRAFFIC SIGNAL HEAD ON EXSB12 TO THE CITY OF JANESVILLE. INSTALL NEW TRAFFIC SIGNAL FACE 3S 12-INCH.

DISCONNECT EXISTING WIRE FROM EXSB9 AND PULL BACK TO EXPB13. ONCE NEW TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT POLE IS SET, PULL WIRE BACK TO SB9. USE EXISTING WIRE TO CONNECT THE SALVAGED PEDESTRIAN COUNTDOWN TIMER, SALVAGED PEDESTRIAN PUSH BUTTON AND NEW TRAFFIC SIGNAL FACE 3S 12-INCH.

REMOVE AND SALVAGE EXISTING 3-SECTION TRAFFIC SIGNAL HEAD ON THE EXISTING AREA LIGHT TO THE CITY OF JANESVILLE. REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL WIRE ASSOCIATED WITH REMOVED 3-SECTION TRAFFIC SIGNAL HEAD.

REMOVE AND SALVAGE EXISTING 10-FT TRAFFIC SIGNAL STANDARD TO THE CITY OF JANESVILLE.

REMOVE, SALVAGE AND REINSTALL EXISTING PEDESTRIAN COUNTDOWN TIMER & PEDESTRIAN PUSH BUTTON.

REMOVE AND DISPOSE OF EXISTING LOOP DETECTOR WIRE FROM EX43 AND EX46 TO EXPB20. DO NOT DAMAGE EXISTING LOOP DETECTOR LEAD IN CABLE.

CONNECT NEW LOOP DETECTOR CONDUIT INTO EXISTING LOOP DETECTOR CONDUIT AT EXISTING CURB AND GUTTER.

INSTALL NEW LOOP DETECTOR WIRE FROM EXISTING LOOP DETECTOR LEAD IN CABLE IN EXPB20 TO LOOPS 43 AND 46.

LEGEND

- CONDUIT RIGID NONMETALLIC SCHEDULE 40 1 1/4-INCH
- LOOP DETECTOR IN 1-INCH NONMETALLIC CONDUIT (SEE LOOP SIZE IN MISC. QUANT. TABLE)
- TRAFFIC SIGNAL STANDARDS ALUMINUM X-FT
- TRAFFIC SIGNAL HEAD
- XX TRAFFIC SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR, 12-INCH
- Y YELLOW CIRCULAR INDICATOR, 12-INCH
- G GREEN CIRCULAR INDICATOR, 12-INCH
- PULLBOX
- EXISTING TRAFFIC SIGNAL HEAD
- EXISTING TRAFFIC SIGNAL STANDARDS ALUMINUM X-FT
- EXISTING PEDESTRIAN COUNTDOWN TIMER
- EXISTING PEDESTRIAN PUSH BUTTON
- EXISTING PULLBOX
- LANE DESIGNATION

TRAFFIC CONTROL SIGNAL
EAST MILWAUKEE STREET & MAIN STREET
CITY OF JANESVILLE
ROCK COUNTY

SIGNAL NO.

REGION CONTACT:
DESIGNED BY: CDW
REVISED BY: BGH

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	TRAFFIC SIGNAL MODIFICATIONS	SHEET 93	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024201-sp
PLOT DATE : 7/24/2022 2:49 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

SIGNAL DESIGN GENERAL CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN ON THE PLANS.
2. THE CONSTRUCTION ENGINEER OR REPRESENTATIVE SHALL ADJUST THE LOCATIONS OF THE ITEMS UNDER THIS CONTRACT TO AVOID CONFLICTS WITH EXISTING UTILITY FACILITIES. LOCATION OF ITEMS MAY IMPACT COMPLIANCE WITH MUTCD AND ADA STANDARDS. THE CONSTRUCTION ENGINEER OF REPRESENTATIVE SHALL REVIEW IMPACTS BEFORE AUTHORIZING ANY RELOCATION.
3. CONSTRUCTION ENGINEER OR REPRESENTATIVE SHALL INSPECT PULL BOXES AND CONDUIT RUNS 3 DAYS PRIOR TO PLACING CABLE AND ELECTRICAL WIRE INTO THE SYSTEM.
4. DETECTION LOOPS SHALL BE CENTERED IN THEIR RESPECTIVE TRAVEL LANES UNLESS OTHERWISE NOTED. DISTANCE BETWEEN MULTIPLE LOOPS SHALL BE 8-FEET. DETECTION LOOP AND ORIENTATION SHOWN ON PLAN.
5. PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS SHALL BE LOCATED PERPENDICULAR OR NEARLY PERPENDICULAR TO THE CROSSWALK.
6. INSTALLATION OF STYLE R10-3 SERIES SIGNS IS INCIDENTAL TO THE PEDESTRIAN PUSH BUTTON SIGNS AND SHALL BE INCLUDED ABOVE EVERY PUSH BUTTON.
7. ALL LENSES ARE 12-INCH LED

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD
- TRAFFIC SIGNAL STANDARDS ALUMINUM X-FT
- AUDIBLE-TACTILE PEDESTRIAN PUSH BUTTON
- PEDESTRIAN HEAD
- PULL BOXES NON-CONDUCTIVE 24X42-INCH
- TRAFFIC SIGNAL EVP DETECTOR
- SALVAGED TRAFFIC SIGNAL EVP DETECTOR
- LOOP DETECTOR IN 1-INCH NONMETALLIC CONDUIT (SEE LOOP SIZE IN MISC. QUANT. TABLE)
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR WITH CUT AWAY VISOR
- YELLOW CIRCULAR INDICATOR WITH CUT AWAY VISOR
- GREEN CIRCULAR INDICATOR WITH CUT AWAY VISOR
- CIRCULAR INDICATOR WITH TUNNEL VISOR AND LOUVERS
- WALK/DON'T WALK INDICATOR 16-INCH WITH COUNTDOWN TIMER
- LANE DESIGNATION FOR INFORMATION ONLY

GRAY SHADE REPRESENTS EXISTING EQUIPMENT

EAST MILWAUKEE STREET

MILTON AVENUE

ATWOOD AVENUE

CAUTION

PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9 PB10 PB11 PB12 PB13 PB14

SB1 SB2 SB3 SB4 SB5 SB6 SB8 SB9 SB10

CB1

EXSB7

61 2 TURNS; 62 2 TURNS; 63 3 TURNS; 41 4 TURNS; 42 3 TURNS; 84 3 TURNS; 83 4 TURNS; 82 4 TURNS; 81 3 TURNS; 92 3 TURNS; 91 4 TURNS; 22 3 TURNS; 21 4 TURNS

30+00 31+00 32+00

2-3" 3-3"

EXISTING EXSB7 POLE, STREET LIGHTS AND PEDESTRIAN COUNTDOWN TIMERS TO REMAIN.

REMOVE AND SALVAGE EXISTING 3-SECTION TRAFFIC SIGNAL HEADS TO THE CITY OF JANESVILLE.

CONNECT TO EXISTING CONDUIT

TRAFFIC CONTROL SIGNAL
EAST MILWAUKEE ST & ATWOOD AVE/MILTON AVE
CITY OF JANESVILLE
ROCK COUNTY

SIGNAL NO.

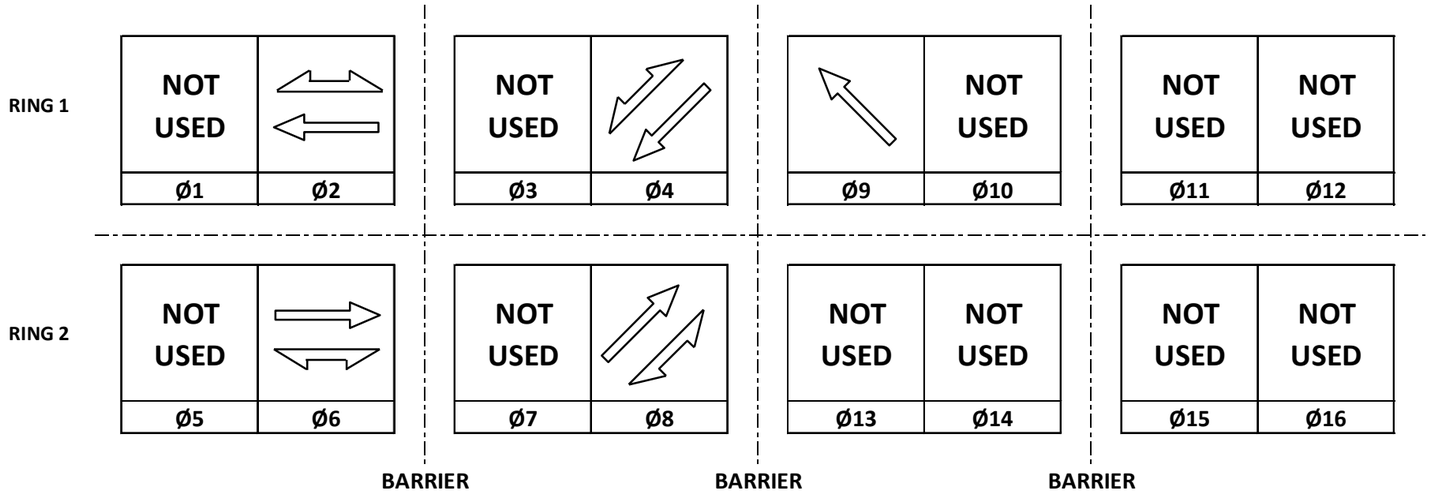
REGION CONTACT:
DESIGNED BY: CDW
REVISED BY: BGH
PAGE

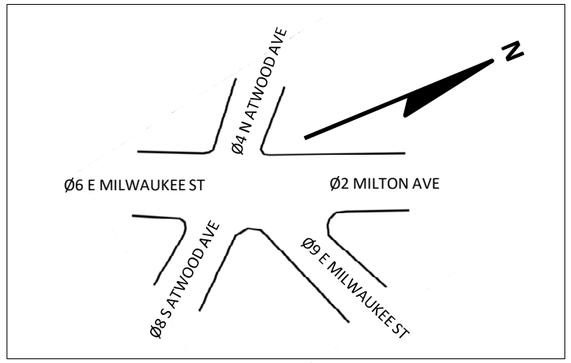
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	TRAFFIC SIGNAL PLAN	SHEET 94	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024202-sp

PLOT DATE : 7/24/2022 2:49 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

	HEAD NUMBERS	FLASH
Ø1		
Ø2	2A,2B,2C	R
Ø3		
Ø4	4A,4B,4C	R
Ø5		
Ø6	6A,6B,6C	R
Ø7		
Ø8	8A,8B,8C	R
Ø9	9A,9B,9C,9D	R
Ø2P	2-1,2-2	
Ø4P	4-1,4-2	
Ø6P	6-1,6-2	
Ø8P	8-1,8-2,8-3,8-4	
Ø9P		
OLA		
OLB		
OLC		





CONTROLLER LOGIC

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

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

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

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

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+6	4+8	9	

AFTER PREEMPTION SEQUENCE 4+8 OR 9, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 2+6, CONTROLLER SHALL RETURN TO PHASES 4+8.

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	21	22	41	42	61	62	63	81
ASSIGNED PHASE	2	2	4	4	6	6	6	8
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
SWITCH								
EXTEND								
DELAY				X		X		

19	17	23	21	27	25	31	29	DETECTOR INPUT
82	83	84	91	92				PLAN LOOP DETECTOR*(S)
8	8	8	9	9				ASSIGNED PHASE
VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	OPERATION MODE
								SWITCH
			X					EXTEND
								DELAY

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)								
ASSIGNED PHASE								
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
SWITCH								
EXTEND								
DELAY								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								ASSIGNED PHASE
VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	OPERATION MODE
								SWITCH
								EXTEND
								DELAY

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL.

EAST MILWAUKEE ST & ATWOOD AVE
CITY OF JANESVILLE
ROCK COUNTY
SIGNAL NO: CABINET TYPE: TS2
CONTROLLER TYPE: EPAC
DATE: 4/25/2022 PAGE NO. X OF X

PROJECT ID:	5990-01-41
INTERSECTION	EAST MILWAUKEE ST & ATWOOD AVE

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

DATE: 4/25/2022

CB1 TO	JUMPER	# OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR									APS BUTTON	
				RED	YELLOW	GREEN	<RED	<YELLOW>	<FLASHING YELLOW>	<GREEN>	DWALK	WALK		
SB1		15/C	2C	RED	ORG	GRN								
			6A	RED/BLK	ORG/BLK	GRN/BLK								
			4-2								BLK	BLU		
			B										WHT-BLK	BLK-WHT
SB2		15/C	2B	RED	ORG	GRN								
			4-1								BLK	BLU		
			B										WHT-BLK	BLK-WHT
SB3		15/C	3C	RED	ORG	GRN								
			4A	RED/BLK	ORG/BLK	GRN/BLK								
			8C	RED/WHT	BLU/WHT	GRN/WHT								
			2-2								BLK	BLU		
			B										WHT-BLK	BLK-WHT
SB4		15/C	3B	RED	ORG	GRN								
			8B	RED/BLK	ORG/BLK	GRN/BLK								
			2-1								BLK	BLU		
SB5		3/C	B										WHT-BLK	BLK-WHT
SB6		15/C	2A	RED	ORG	GRN								
			6C	RED/BLK	ORG/BLK	GRN/BLK								
			8-4								BLK	BLU		
			B										WHT-BLK	BLK-WHT
EXSB7		15/C	3A	RED	ORG	GRN								
			6B	RED/BLK	ORG/BLK	GRN/BLK								
			8-3								BLK	BLU		
			8-2								BLU-BLK	BLU-WHT		
			B										WHT-BLK	BLK-WHT
SB8		15/C	3D	RED	ORG	GRN								
			8-1								BLK	BLU		
			B										WHT-BLK	BLK-WHT
SB9		15/C	4C	RED	ORG	GRN								
			8A	RED/BLK	ORG/BLK	GRN/BLK								
			6-2								BLK	BLU		
			B										WHT-BLK	BLK-WHT
SB10		15/C	4B	RED	ORG	GRN								
			6-1								BLK	BLU		
			B										WHT-BLK	BLK-WHT

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

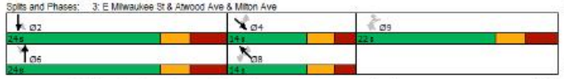
PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB1	CB1
PB2	SB2
PB3	SB3
PB4	SB4
PB5	SB6
PB6	SB8
PB7	SB9
PB8	SB10
PB9	SB1
PB10	SB3
PB11	SB6
PB12	SB8
PB13	SB8
PB14	SB9

LIGHTING UF 12 AWG UNDERGROUND	
FROM	TO
CB1	SB2
CB1	SB4
CB1	EXSB7

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

E Milwaukee St/Milton Ave at Atwood Ave

Splits and Phases: 3: E Milwaukee St & Atwood Ave & Milton Ave



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

Day of Week	–
Time of Day	AM Peak
From	7:30 AM
To	8:30 AM
Cycle Length	60 s
Coordinated?	No
Master Intersection	
Reference Phase(s)	
Offset	0 s

Phase Data

Phase	ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8	ø9	ø10	ø11	ø12	ø13	ø14	ø15	ø16
	N															
	NOT USED		NOT USED		NOT USED		NOT USED		NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
Assignment	–	SB	–	SEB	–	NB	–	NWB	SWB	–	–	–	–	–	–	–
	–	All	–	All	–	All	–	All	L/T	–	–	–	–	–	–	–
Min Green, s	0	15	0	8	0	15	0	8	8	0	0	0	0	0	0	0
Passage/Extension, s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Max Green, s	0	17	0	9	0	17	0	9	15	0	0	0	0	0	0	0
Yellow, s	0.0	3.2	0.0	3.0	0.0	3.2	0.0	3.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Red, s	0.0	4.1	0.0	2.4	0.0	4.1	0.0	2.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Green Delay, s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow Delay, s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Min Split, s	0.0	22.3	0.0	13.4	0.0	22.3	0.0	13.4	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Split, s	0.0	24.0	0.0	14.0	0.0	24.0	0.0	14.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk, s	0	7	0	7	0	7	0	7	0	0	0	0	0	0	0	0
Walk Offset, s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk Offset Mode																
Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Flashing Don't Walk, s	0	18	0	18	0	15	0	23	0	0	0	0	0	0	0	0
Min Gap, s	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Time Before Reduce, s	0	10	0	8	0	10	0	8	8	0	0	0	0	0	0	0
Time To Reduce, s	0	1	0	0	0	1	0	0	4	0	0	0	0	0	0	0
Recall	None	Min	None	None	None	Min	None	None	None	None	None	None	None	None	None	None
Recall Delay, s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Detection Delay, s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non Lock																
Dual Entry	No	Yes	No	Yes	No	Yes	No	Yes	No	No	No	No	No	No	No	No

Phase Notes

Overlaps

O.L.A	ø1		ø9
O.L.B	ø2	Activate ped signals only when called by push button activation. Ped phase may extend cycle beyond 60 s	ø10
O.L.C	ø3		ø11
O.L.D	ø4	Activate ped signals only when called by push button activation. Ped phase may extend cycle beyond 60 s	ø12
O.L.E	ø5		ø13
O.L.F	ø6	Activate ped signals only when called by push button activation. Ped phase may extend cycle beyond 60 s	ø14
O.L.G	ø7		ø15
O.L.H	ø8	Activate ped signals only when called by push button activation. Ped phase may extend cycle beyond 60 s	ø16

EVP Notes

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

Dwell Notes

2

E Milwaukee St/Milton Ave at Atwood Ave

Splits and Phases: 3: E Milwaukee St & Atwood Ave & Milton Ave



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

Day of Week	–
Time of Day	PM Peak
From	3:00 PM
To	4:00 PM
Cycle Length	60 s
Coordinated?	No
Master Intersection	
Reference Phase(s)	
Offset	0 s

Phase Data

Phase	ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8	ø9	ø10	ø11	ø12	ø13	ø14	ø15	ø16
N	NOT USED		NOT USED		NOT USED		NOT USED			NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
Assignment	–	SB	–	SEB	–	NB	–	NWB	SWB	–	–	–	–	–	–	–
	–	All	–	All	–	All	–	All	L/T	–	–	–	–	–	–	–
Min Green, s	0	15	0	8	0	15	0	8	8	0	0	0	0	0	0	0
Passage/Extension, s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Max Green, s	0	20	0	9	0	20	0	9	12	0	0	0	0	0	0	0
Yellow, s	0.0	3.2	0.0	3.0	0.0	3.2	0.0	3.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Red, s	0.0	4.1	0.0	2.4	0.0	4.1	0.0	2.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Green Delay, s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow Delay, s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Min Split, s	0.0	22.3	0.0	13.4	0.0	22.3	0.0	13.4	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Split, s	0.0	27.0	0.0	14.0	0.0	27.0	0.0	14.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk, s	0	7	0	7	0	7	0	7	0	0	0	0	0	0	0	0
Walk Offset, s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk Offset Mode																
Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Flashing Don't Walk, s	0	18	0	18	0	15	0	23	0	0	0	0	0	0	0	0
Min Gap, s	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Time Before Reduce, s	0	10	0	8	0	10	0	8	8	0	0	0	0	0	0	0
Time To Reduce, s	0	2	0	0	0	2	0	0	2	0	0	0	0	0	0	0
Recall	None	Min	None	None	None	Min	None	None	None	None	None	None	None	None	None	None
Recall Delay, s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Detection Delay, s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non Lock																
Dual Entry	No	Yes	No	Yes	No	Yes	No	Yes	No	No	No	No	No	No	No	No

Phase Notes

Overlaps

O.L.A	ø1		ø9
O.L.B	ø2	Activate ped signals only when called by push button activation. Ped phase may extend cycle beyond 60 s	ø10
O.L.C	ø3		ø11
O.L.D	ø4	Activate ped signals only when called by push button activation. Ped phase may extend cycle beyond 60 s	ø12
O.L.E	ø5		ø13
O.L.F	ø6	Activate ped signals only when called by push button activation. Ped phase may extend cycle beyond 60 s	ø14
O.L.G	ø7		ø15
O.L.H	ø8	Activate ped signals only when called by push button activation. Ped phase may extend cycle beyond 60 s	ø16

EVP Notes

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

Dwell Notes

E Milwaukee St/Milton Ave at Atwood Ave

Splits and Phases: 3: E Milwaukee St & Atwood Ave & Milton Ave



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

Day of Week	–
Time of Day	Off-Peak
From	–
To	–
Cycle Length	60 s
Coordinated?	No
Master Intersection	
Reference Phase(s)	
Offset	0 s

Phase Data

Phase	ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8	ø9	ø10	ø11	ø12	ø13	ø14	ø15	ø16
	N															
	NOT USED		NOT USED		NOT USED		NOT USED			NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
Assignment	–	SB	–	SEB	–	NB	–	NWB	SWB	–	–	–	–	–	–	–
	–	All	–	All	–	All	–	All	L/T	–	–	–	–	–	–	–
Min Green, s	0	15	0	8	0	15	0	8	8	0	0	0	0	0	0	0
Passage/Extension, s	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Max Green, s	0	17	0	12	0	17	0	12	12	0	0	0	0	0	0	0
Yellow, s	0.0	3.2	0.0	3.0	0.0	3.2	0.0	3.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Red, s	0.0	4.1	0.0	2.4	0.0	4.1	0.0	2.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Green Delay, s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow Delay, s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Min Split, s	0.0	22.3	0.0	13.4	0.0	22.3	0.0	13.4	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Split, s	0.0	24.0	0.0	17.0	0.0	24.0	0.0	17.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk, s	0	7	0	7	0	7	0	7	0	0	0	0	0	0	0	0
Walk Offset, s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk Offset Mode																
Rest In Walk	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Flashing Don't Walk, s	0	18	0	18	0	15	0	23	0	0	0	0	0	0	0	0
Min Gap, s	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Time Before Reduce, s	0	10	0	8	0	10	0	8	8	0	0	0	0	0	0	0
Time To Reduce, s	0	1	0	2	0	1	0	2	2	0	0	0	0	0	0	0
Recall	None	Soft	None	None	None	Soft	None	None	None	None	None	None	None	None	None	None
Recall Delay, s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Detection Delay, s	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non Lock																
Dual Entry	No	Yes	No	Yes	No	Yes	No	Yes	No	No	No	No	No	No	No	No

Phase Notes

Overlaps

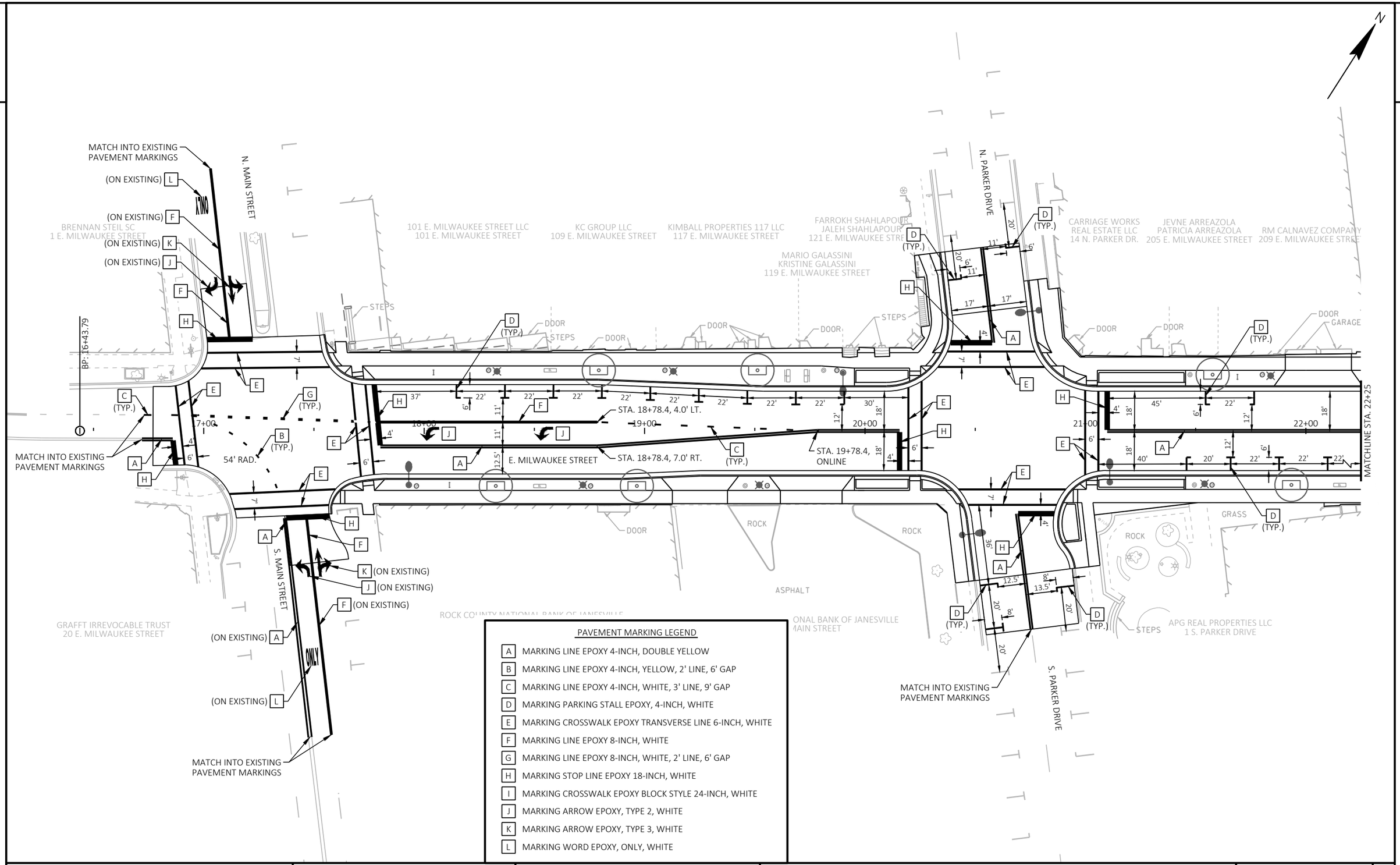
O.L.A	ø1		ø9
O.L.B	ø2	Activate ped signals only when called by push button activation. Ped phase may extend cycle beyond 60 s	ø10
O.L.C	ø3		ø11
O.L.D	ø4	Activate ped signals only when called by push button activation. Ped phase may extend cycle beyond 60 s	ø12
O.L.E	ø5		ø13
O.L.F	ø6	Activate ped signals only when called by push button activation. Ped phase may extend cycle beyond 60 s	ø14
O.L.G	ø7		ø15
O.L.H	ø8	Activate ped signals only when called by push button activation. Ped phase may extend cycle beyond 60 s	ø16

EVP Notes

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

Dwell Notes

2



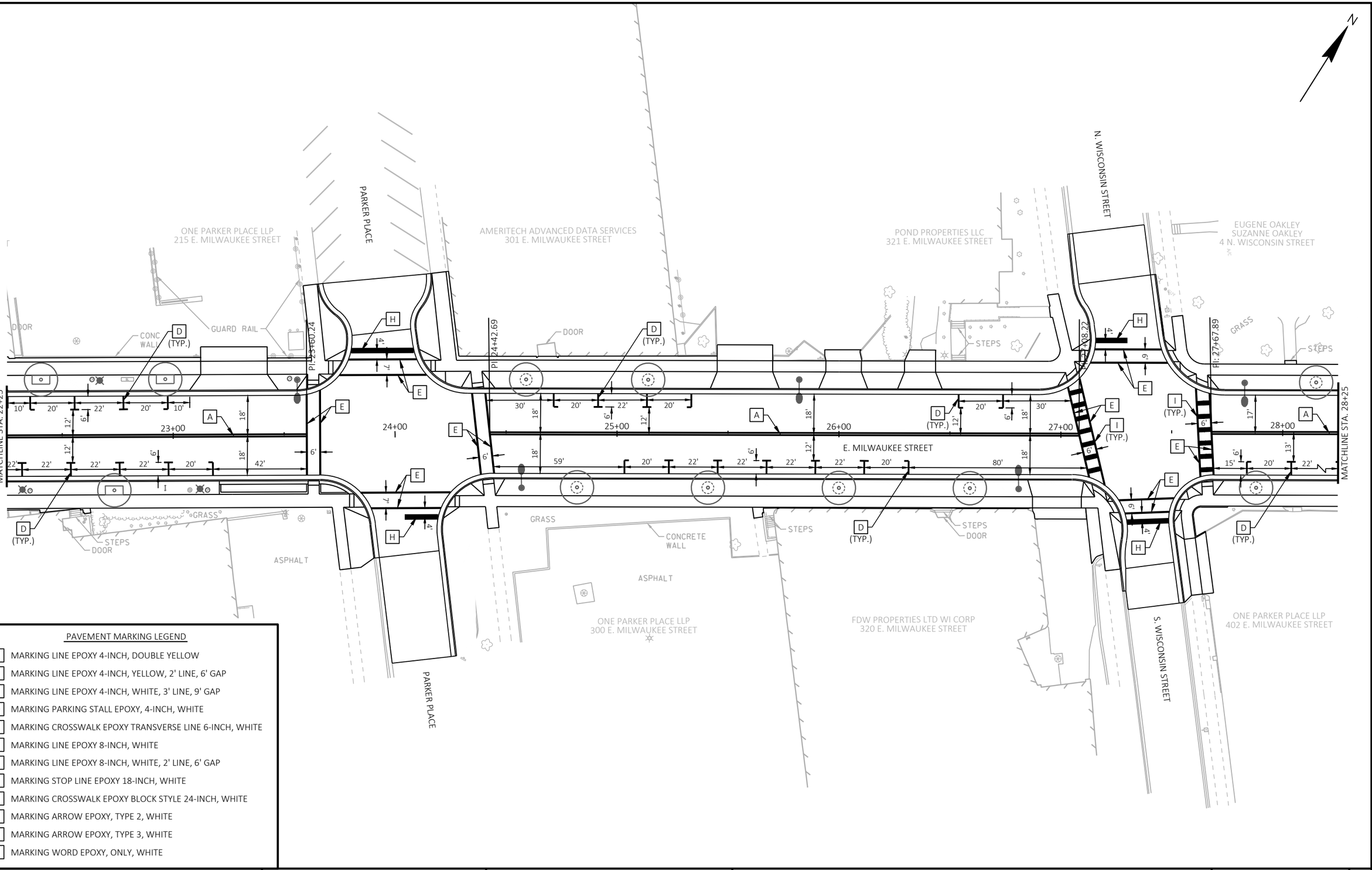
PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
B	MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP
C	MARKING LINE EPOXY 4-INCH, WHITE, 3' LINE, 9' GAP
D	MARKING PARKING STALL EPOXY, 4-INCH, WHITE
E	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
F	MARKING LINE EPOXY 8-INCH, WHITE
G	MARKING LINE EPOXY 8-INCH, WHITE, 2' LINE, 6' GAP
H	MARKING STOP LINE EPOXY 18-INCH, WHITE
I	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
J	MARKING ARROW EPOXY, TYPE 2, WHITE
K	MARKING ARROW EPOXY, TYPE 3, WHITE
L	MARKING WORD EPOXY, ONLY, WHITE

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PAVEMENT MARKINGS	SHEET 100 E

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LAYOUT NAME - 024501-pm
PLOT DATE : 7/24/2022 1:49 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- B MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP
- C MARKING LINE EPOXY 4-INCH, WHITE, 3' LINE, 9' GAP
- D MARKING PARKING STALL EPOXY, 4-INCH, WHITE
- E MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- F MARKING LINE EPOXY 8-INCH, WHITE
- G MARKING LINE EPOXY 8-INCH, WHITE, 2' LINE, 6' GAP
- H MARKING STOP LINE EPOXY 18-INCH, WHITE
- I MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
- J MARKING ARROW EPOXY, TYPE 2, WHITE
- K MARKING ARROW EPOXY, TYPE 3, WHITE
- L MARKING WORD EPOXY, ONLY, WHITE

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PAVEMENT MARKINGS	SHEET 101	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024502-pm
PLOT DATE : 7/24/2022 1:49 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

WAGENER PROPERTIES LLC
409 E. MILWAUKEE STREET

BLACKHAWK APARTMENTS LLC
419 E. MILWAUKEE STREET

425 E. MILWAUKEE ST LLC
425 E. MILWAUKEE STREET

N. ATWOOD AVENUE

GIDEON NGOBI
JOY NGOBI
209 MILTON AVENUE

STEPS
STEPS
ASPHALT
CONCRETE
GRASS
STEPS
GRASS
ASPHALT
GRASS
STEPS

MATCHLINE STA. 28+25
PT: 28+42.91
PT: 29+25.71
EP: 33+53.91

E. MILWAUKEE STREET

29+00
30+00
31+00
2+00
33+00

MILTON AVENUE

MATCH INTO EXISTING
PAVEMENT MARKINGS

STA. 30+72.0, ONLINE
125' RAD.
STA. 31+47.4,
25.2' RT.

20' 6' 22' 20' 46' 22' 16' 16' 18' 6' 4' 9'

ASPHALT
GRASS
GRASS
GRASS
GRASS
KYLE CHROSTOWSKI
509 E. MILWAUKEE STREET
DOOR
STEPS

MATCH INTO EXISTING
PAVEMENT MARKINGS

ONE PARKER PLACE LLP
418 E. MILWAUKEE STREET

GREGORY KOWAL
500 E. MILWAUKEE STREET

S. ATWOOD AVENUE

MATCH INTO EXISTING
PAVEMENT MARKINGS

MARKING REMOVAL LINE 4-INCH

E. MILWAUKEE STREET

L (ON EXISTING)
F (ON EXISTING)
J (ON EXISTING)

PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- B MARKING LINE EPOXY 4-INCH, YELLOW, 2' LINE, 6' GAP
- C MARKING LINE EPOXY 4-INCH, WHITE, 3' LINE, 9' GAP
- D MARKING PARKING STALL EPOXY, 4-INCH, WHITE
- E MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- F MARKING LINE EPOXY 8-INCH, WHITE
- G MARKING LINE EPOXY 8-INCH, WHITE, 2' LINE, 6' GAP
- H MARKING STOP LINE EPOXY 18-INCH, WHITE
- I MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
- J MARKING ARROW EPOXY, TYPE 2, WHITE
- K MARKING ARROW EPOXY, TYPE 3, WHITE
- L MARKING WORD EPOXY, ONLY, WHITE

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PAVEMENT MARKINGS	SHEET 102	E

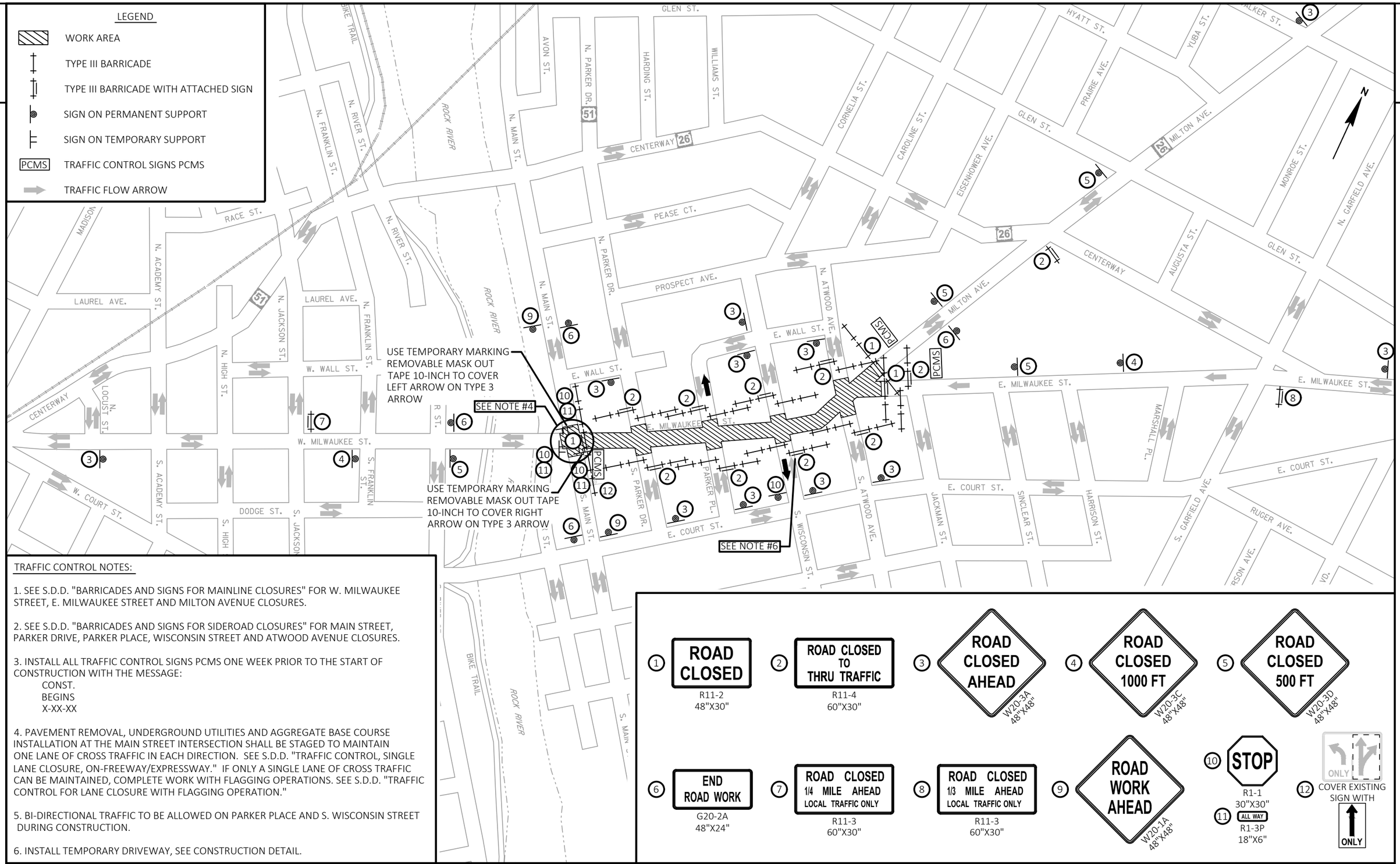
FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024503-pm

PLOT DATE : 10/24/2022 3:13 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- WORK AREA
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PCMS — TRAFFIC CONTROL SIGNS PCMS
- TRAFFIC FLOW ARROW



TRAFFIC CONTROL NOTES:

1. SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR W. MILWAUKEE STREET, E. MILWAUKEE STREET AND MILTON AVENUE CLOSURES.

2. SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR MAIN STREET, PARKER DRIVE, PARKER PLACE, WISCONSIN STREET AND ATWOOD AVENUE CLOSURES.

3. INSTALL ALL TRAFFIC CONTROL SIGNS PCMS ONE WEEK PRIOR TO THE START OF CONSTRUCTION WITH THE MESSAGE:
   CONST.
   BEGINS
   X-XX-XX

4. PAVEMENT REMOVAL, UNDERGROUND UTILITIES AND AGGREGATE BASE COURSE INSTALLATION AT THE MAIN STREET INTERSECTION SHALL BE STAGED TO MAINTAIN ONE LANE OF CROSS TRAFFIC IN EACH DIRECTION. SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, ON-FREEWAY/EXPRESSWAY." IF ONLY A SINGLE LANE OF CROSS TRAFFIC CAN BE MAINTAINED, COMPLETE WORK WITH FLAGGING OPERATIONS. SEE S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION."

5. BI-DIRECTIONAL TRAFFIC TO BE ALLOWED ON PARKER PLACE AND S. WISCONSIN STREET DURING CONSTRUCTION.

6. INSTALL TEMPORARY DRIVEWAY, SEE CONSTRUCTION DETAIL.

1. ROAD CLOSED — R11-2, 48"X30"
2. ROAD CLOSED TO THRU TRAFFIC — R11-4, 60"X30"
3. ROAD CLOSED AHEAD — W20-3A, 48"X48"
4. ROAD CLOSED 1000 FT — W20-3C, 48"X48"
5. ROAD CLOSED 500 FT — W20-3D, 48"X48"
6. END ROAD WORK — G20-2A, 48"X24"
7. ROAD CLOSED 1/4 MILE AHEAD LOCAL TRAFFIC ONLY — R11-3, 60"X30"
8. ROAD CLOSED 1/3 MILE AHEAD LOCAL TRAFFIC ONLY — R11-3, 60"X30"
9. ROAD WORK AHEAD — W20-1A, 48"X48"
10. STOP — R1-1, 30"X30"
11. ALL WAY — R1-3P, 18"X6"
12. COVER EXISTING SIGN WITH ONLY

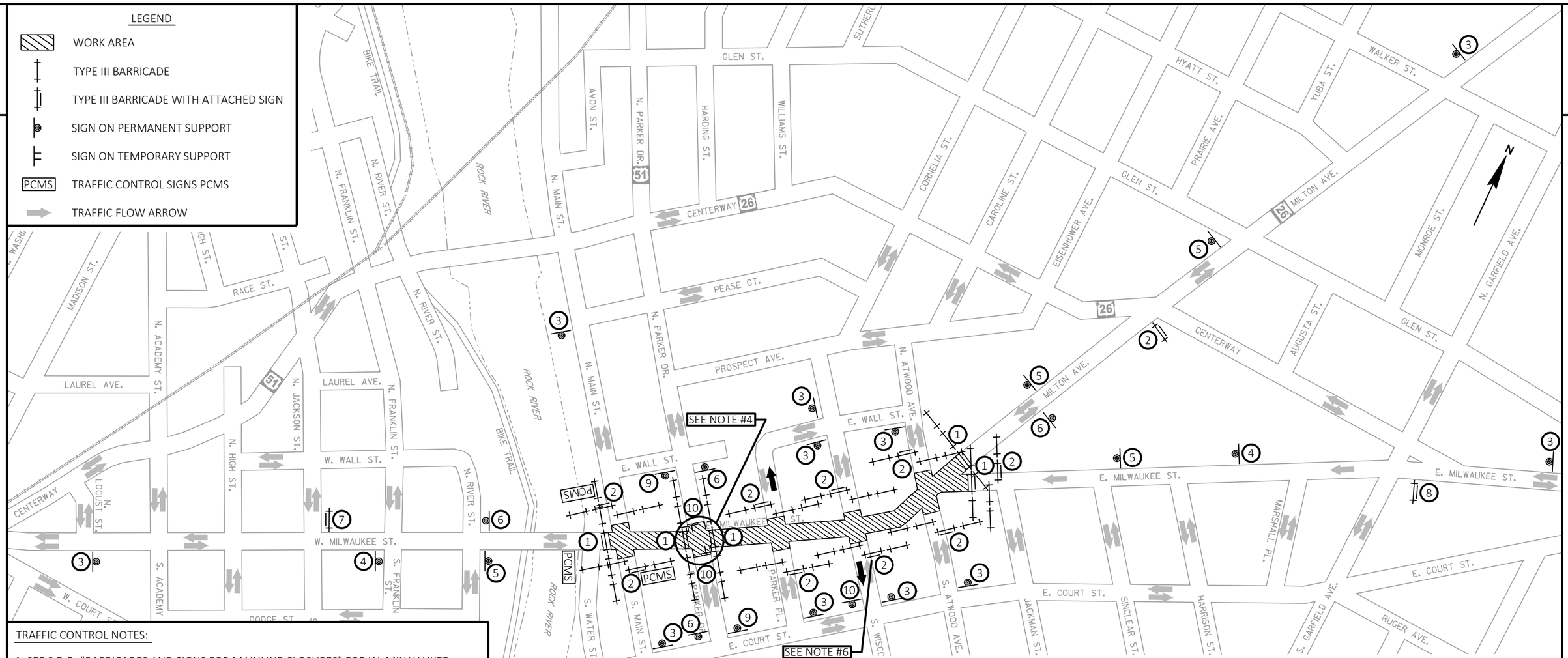
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	TRAFFIC CONTROL: PARKER DRIVE INTERSECTION CLOSURE	SHEET 103	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025001-tc
PLOT DATE : 7/22/2022 2:29 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : NONE

2

LEGEND

- WORK AREA
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- PCMS — TRAFFIC CONTROL SIGNS PCMS
- TRAFFIC FLOW ARROW



TRAFFIC CONTROL NOTES:

1. SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR W. MILWAUKEE STREET, E. MILWAUKEE STREET AND MILTON AVENUE CLOSURES.

2. SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR MAIN STREET, PARKER DRIVE, PARKER PLACE, WISCONSIN STREET AND ATWOOD AVENUE CLOSURES.

3. INSTALL ALL TRAFFIC CONTROL SIGNS PCMS ONE WEEK PRIOR TO THE START OF CONSTRUCTION WITH THE MESSAGE:
   CONST.
   BEGINS
   X-XX-XX

4. PAVEMENT REMOVAL, UNDERGROUND UTILITIES AND AGGREGATE BASE COURSE INSTALLATION AT THE MAIN STREET INTERSECTION SHALL BE STAGED TO MAINTAIN ONE LANE OF CROSS TRAFFIC IN EACH DIRECTION. SEE S.D.D. "TRAFFIC CONTROL, SINGLE LANE CLOSURE, ON-FREEWAY/EXPRESSWAY." IF ONLY A SINGLE LANE OF CROSS TRAFFIC CAN BE MAINTAINED, COMPLETE WORK WITH FLAGGING OPERATIONS. SEE S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION."

5. BI-DIRECTIONAL TRAFFIC TO BE ALLOWED ON PARKER PLACE AND S. WISCONSIN STREET DURING CONSTRUCTION.

6. INSTALL TEMPORARY DRIVEWAY, SEE CONSTRUCTION DETAIL.

1. ROAD CLOSED — R11-2, 48"X30"
2. ROAD CLOSED TO THRU TRAFFIC — R11-4, 60"X30"
3. ROAD CLOSED AHEAD — W20-3A, 48"X48"
4. ROAD CLOSED 1000 FT — W20-3C, 48"X48"
5. ROAD CLOSED 500 FT — W20-3D, 48"X48"
6. END ROAD WORK — G20-2A, 48"X24"
7. ROAD CLOSED 1/4 MILE AHEAD LOCAL TRAFFIC ONLY — R11-3, 60"X30"
8. ROAD CLOSED 1/3 MILE AHEAD LOCAL TRAFFIC ONLY — R11-3, 60"X30"
9. ROAD WORK AHEAD — W20-1A, 48"X48"
10. STOP — R1-1, 30"X30"

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	TRAFFIC CONTROL: MAIN STREET INTERSECTION CLOSURE	SHEET 104	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025002-tc
PLOT DATE : 7/22/2022 2:29 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : NONE

2

LEGEND

- TYPE II BARRICADE
- TYPE II BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH WARNING LIGHT TYPE C
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE ASPHALT
- TEMPORARY PEDESTRIAN SURFACE PLATE
- TEMPORARY PEDESTRIAN CURB RAMP
- PEDESTRIAN DETOUR ROUTE

PEDESTRIAN ACCESS NOTES

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

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

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

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

5. PROVIDE A SINGLE TEMPORARY CROSSWALK AT THE MAIN STREET, PARKER DRIVE, WISCONSIN STREET AND ATWOOD AVENUE INTERSECTIONS TO ALLOW PEDESTRIAN PASSAGE THROUGH THE E. MILWAUKEE STREET WORK ZONES AT ALL TIMES.

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

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

8. COORDINATE TEMPORARY CROSSWALK LOCATIONS ON SIDE STREETS WITH THE CITY OF JANESVILLE TO MINIMIZE THE AMOUNT OF ON-STREET PARKING STALLS THAT WILL BE TEMPORARILY IMPACTED.

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

2

N

N. MAIN STREET

N. PARKER DRIVE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

(ADJUST LOCATION WHEN OTHER E. MILWAUKEE STREET CROSSING LOCATION IS USED)

SIDEWALK CLOSED
R9-9
24"X12"

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

101 E. MILWAUKEE ST

109 E. MILWAUKEE ST

121 E. MILWAUKEE ST

205 E. MILWAUKEE ST

10 N. PARKER DR.

209 E. MILWAUKEE ST.

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES TO ALLOW PEDESTRIAN ACCESS (TYP.)

17+00 18+00 19+00 20+00 21+00 22+00

MATCHLINE STA. 22+25

E. MILWAUKEE STREET

MAINTAIN ONE CROSSING TO ALLOW PEDESTRIANS TO CROSS E. MILWAUKEE STREET AT ALL TIMES

MAINTAIN ONE CROSSING TO ALLOW PEDESTRIANS TO CROSS MAIN STREET AT ALL TIMES

(ADJUST LOCATION WHEN OTHER E. MILWAUKEE STREET CROSSING LOCATION IS USED) 1 S. MAIN ST.

S. MAIN STREET

MAINTAIN ONE CROSSING TO ALL PEDESTRIANS TO CROSS E. MILWAUKEE STREET AT ALL TIMES

S. PARKER DRIVE

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PEDESTRIAN ACCESS	SHEET 106	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\025002-TC PED.DWG
LAYOUT NAME - 025003-tc
PLOT DATE : 7/24/2022 2:31 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

(INSTALL AT PARKER PLACE &
E. WALL STREET INTERSECTION)

SIDEWALK CLOSED AHEAD → CROSS HERE
R9-11
48"X30"

OR

SIDEWALK CLOSED AHEAD ← CROSS HERE
R9-11
48"X30"

(ADJUST BARRICADE LOCATION WHEN OTHER E. MILWAUKEE STREET CROSSING LOCATION IS USED)

PARKER PLACE

267 E. MILWAUKEE ST.

PLACE TEMPORARY PEDESTRIAN SURFACE PLATES TO ALLOW PEDESTRIAN ACCESS (TYP.)

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

321 E. MILWAUKEE ST.

N. WISCONSIN STREET

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH

(ADJUST LOCATION WHEN OTHER E. MILWAUKEE STREET CROSSING LOCATION IS USED)

SIDEWALK CLOSED
R9-9
24"X12"

MATCHLINE STA. 22+25

23+00 24+00 25+00 26+00 27+00 28+00

MATCHLINE STA. 28+25

E. MILWAUKEE STREET

320 E. MILWAUKEE ST.

MAINTAIN ONE CROSSING TO ALLOW PEDESTRIANS TO CROSS E. MILWAUKEE STREET AT ALL TIMES

1 S. PARKER DR.

S. WISCONSIN STREET

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH

TEMPORARY DRIVEWAY, SEE CONSTRUCTION DETAILS

PARKER PLACE

(INSTALL AT PARKER PLACE &
E. COURT STREET INTERSECTION)

(ADJUST BARRICADE LOCATION WHEN OTHER E. MILWAUKEE STREET CROSSING LOCATION IS USED)

SIDEWALK CLOSED AHEAD → CROSS HERE
R9-11
48"X30"

OR

SIDEWALK CLOSED AHEAD ← CROSS HERE
R9-11
48"X30"

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PEDESTRIAN ACCESS	SHEET 107	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\025002-TC PED.DWG
LAYOUT NAME - 025004-tc

PLOT DATE : 7/24/2022 2:31 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

N. ATWOOD AVENUE

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH

PLACE TEMPORARY PEDESTRIAN
SURFACE PLATES TO ALLOW
PEDESTRIAN ACCESS (TYP.)

MAINTAIN CROSSING TO ALLOW
PEDESTRIANS TO CROSS MILTON
AVENUE AT ALL TIMES

MATCHLINE STA. 28+25

29+00

30+00

31+00

32+00

33+00

E. MILWAUKEE STREET

MILTON AVENUE

409 E MILWAUKEE ST.

419 E MILWAUKEE ST.

425 E MILWAUKEE ST.

209 MILTON AVE.

SIDEWALK CLOSED
R9-9
24"X12"

(ADJUST LOCATION WHEN OTHER
E. MILWAUKEE STREET CROSSING
LOCATION IS USED)

509 E MILWAUKEE ST.

MAINTAIN ONE CROSSING TO
ALLOW PEDESTRIANS TO
CROSS E. MILWAUKEE STREET
AT ALL TIMES

E. MILWAUKEE STREET

S. ATWOOD AVENUE

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH

500 E MILWAUKEE ST.

(INSTALL AT S. MILWAUKEE STREET &
SINCLAIR STREET INTERSECTION)

(ADJUST BARRICADE
LOCATION WHEN OTHER E.
MILWAUKEE STREET
CROSSING LOCATION IS USED)

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

OR

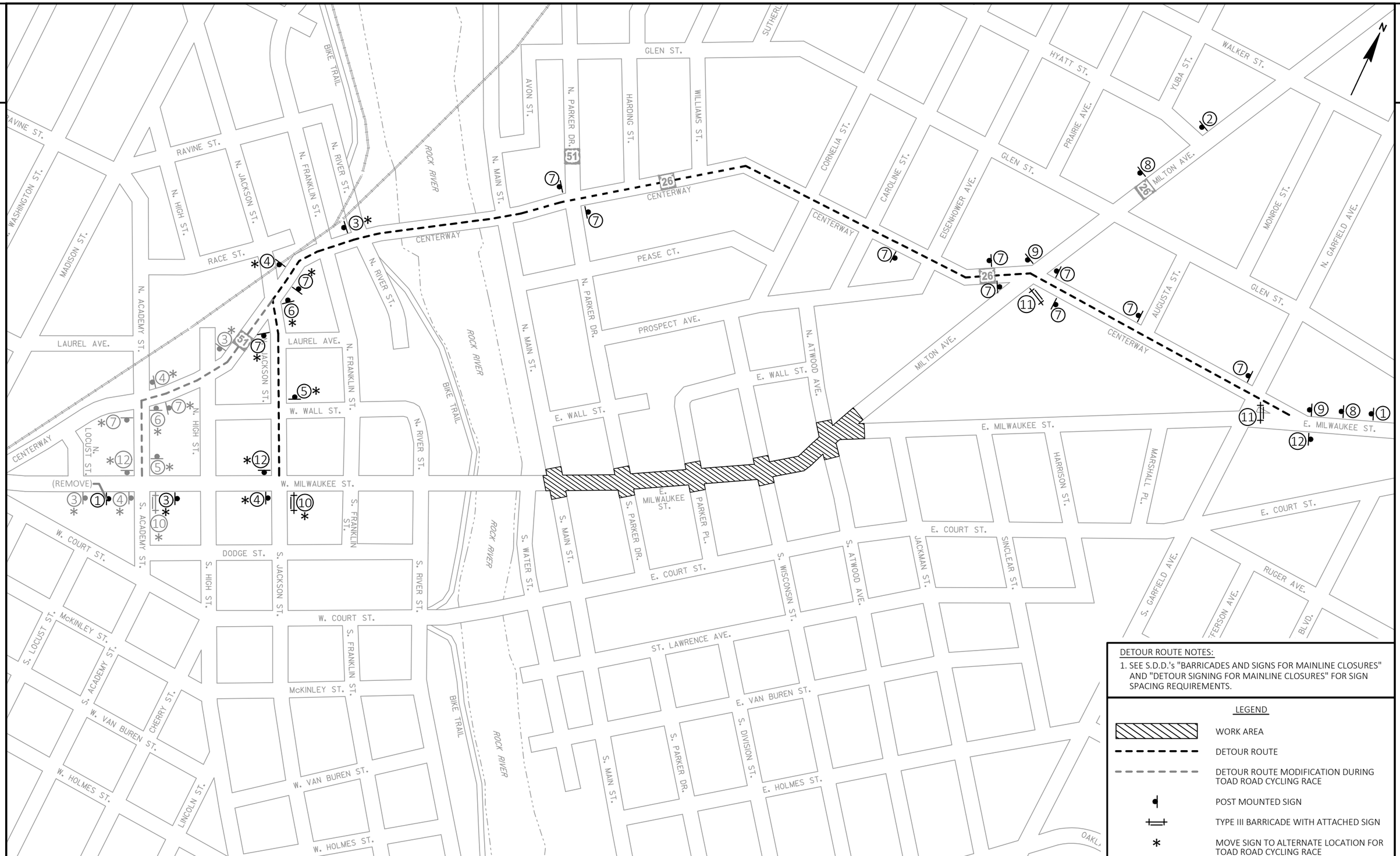
SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PEDESTRIAN ACCESS	SHEET 108	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\025002-TC PED.DWG
LAYOUT NAME - 025005-tc

PLOT DATE : 10/24/2022 3:20 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	DETOUR ROUTE	SHEET 109	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 027001-dt

PLOT DATE : 7/22/2022 2:59 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : NONE

2

① 

② E Milwaukee Street
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
48"X24" (8 S.F.)



③ DETOUR
M4-8
24"X12"
E Milwaukee Street
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
48"X24" (8 S.F.)



MO5-1L
21"X21"

④ DETOUR
M4-8
24"X12"
E Milwaukee Street
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
48"X24" (8 S.F.)



MO6-1L
21"X21"

⑤ DETOUR
M4-8
24"X12"
E Milwaukee Street
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
48"X24" (8 S.F.)



MO5-1R
21"X21"

⑥ DETOUR
M4-8
24"X12"
E Milwaukee Street
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
48"X24" (8 S.F.)



M06-1R
21"X21"

⑦ DETOUR
M4-8
24"X12"
E Milwaukee Street
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
48"X24" (8 S.F.)



M06-1
21"X21"

⑧ DETOUR
M4-8
24"X12"
E Milwaukee Street
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
48"X24" (8 S.F.)



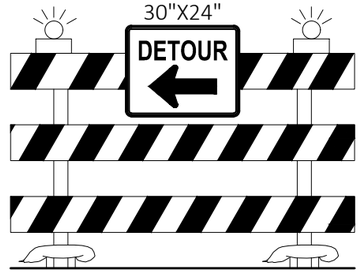
M05-2R
21"X21"

⑨ DETOUR
M4-8
24"X12"
E Milwaukee Street
TRAFFIC CONTROL
SIGNS FIXED MESSAGE
48"X24" (8 S.F.)



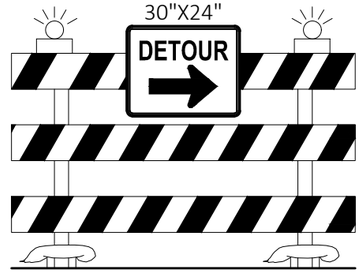
M06-2
21"X21"

⑩ M4-9L
30"X24"



TYPE III BARRICADE

⑪ M4-9R
30"X24"

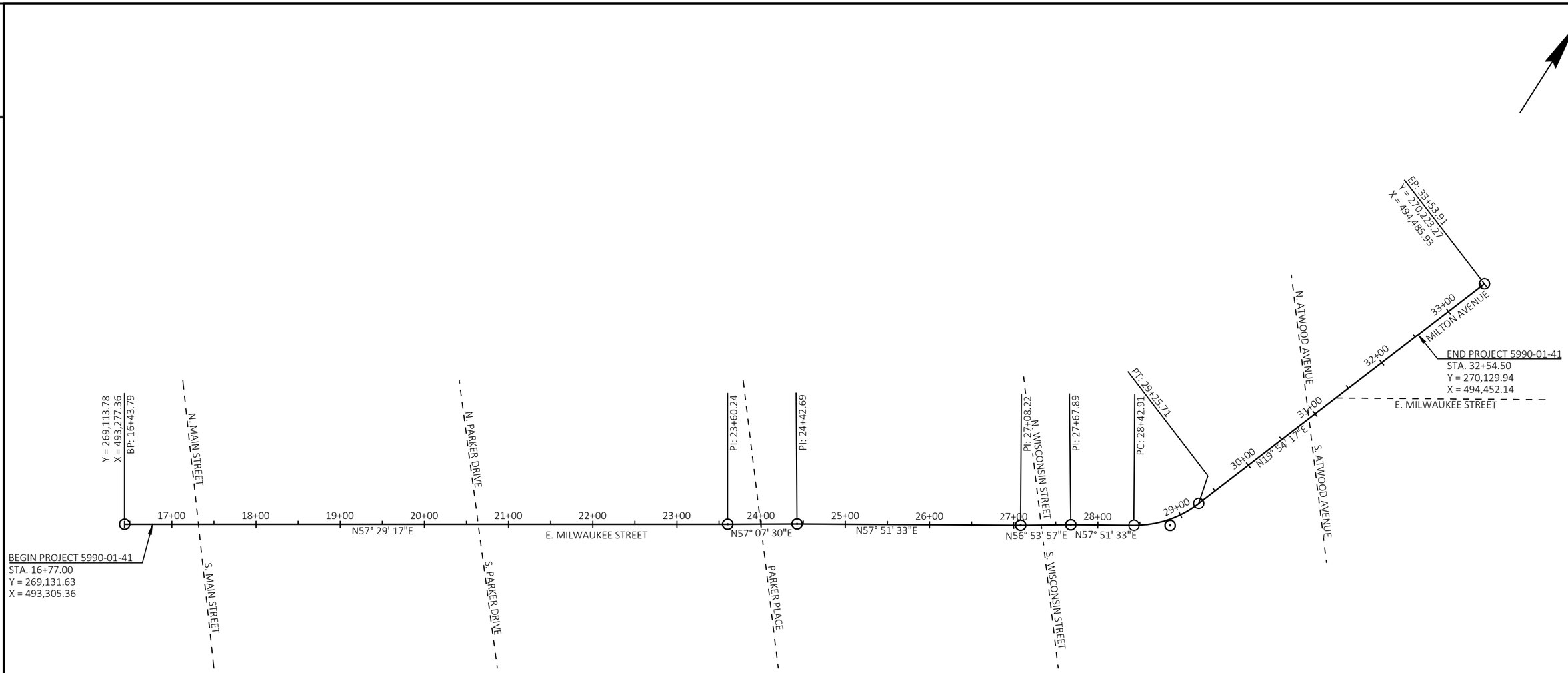


TYPE III BARRICADE

⑫ END DETOUR
M4-8A
24"X18"

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	DETOUR ROUTE	SHEET 110	E

2



E. MILWAUKEE STREET CURVE AND P.I. DATA

P.I. = STA. 23+60.24
Y = 269,498.85
X = 493,881.53
Δ = 00°21'47"

P.I. = STA. 24+42.69
Y = 269,543.61
X = 493,950.77
Δ = 00°44'03"

P.I. = STA. 27+08.22
Y = 269,684.87
X = 494,175.61
Δ = 00°57'36"

P.I. = STA. 27+67.89
Y = 269,717.46
X = 494,225.60
Δ = 00°57'36"

P.I. = STA. 28+85.89
Y = 269,780.24
X = 494,325.52
DELTA ANGLE = 37°57'16.56"
DEGREE OF CURVATURE = 45°50'11.76"
T. = 42.99'
L. = 82.80'
R. = 125.00'
P.C. = STA. 28+42.91
Y = 269,757.37
X = 494,289.12
P.T. = STA. 29+25.71
Y = 269,820.65
X = 494,340.15

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	ALIGNMENT OVERVIEW	SHEET 111	E

2

BRENNAN STEIL SC
1 E. MILWAUKEE STREET

101 E. MILWAUKEE STREET LLC
101 E. MILWAUKEE STREET

KC GROUP LLC
109 E. MILWAUKEE STREET

N. MAIN STREET

BP: 16+43.79

CP#1
MAG NAIL
Y = 269,164.66
X = 493,301.91
ELEV. = 776.03

17+00

18+00

19+00

E. MILWAUKEE STREET

CP#2
MAG NAIL
Y = 269,118.13
X = 493,345.13
ELEV. = 776.45

CP#3
MAG NAIL
Y = 269,097.63
X = 493,356.46
ELEV. = 776.62

S. MAIN STREET

CP#4
MAG NAIL
Y = 269,167.73
X = 493,410.75
ELEV. = 777.77

CP#5
MAG NAIL
Y = 269,211.86
X = 493,479.39
ELEV. = 780.89

GRAFFT IRREVOCABLE TRUST
20 E. MILWAUKEE STREET

ROCK COUNTY NATIONAL BANK OF JANESVILLE
1 S. MAIN STREET

CP#8
MAG NAIL
Y = 269,413.83
X = 493,541.55
ELEV. = 789.52

CP#10
MAG NAIL
Y = 269,449.62
X = 493,573.81
ELEV. = 791.19

KIMBALL PROPERTIES 117 LLC
117 E. MILWAUKEE STREET

FARROKH SHAHLAPOUR
JALEH SHAHLAPOUR
121 E. MILWAUKEE STREET

CARRIAGE WORKS
REAL ESTATE LLC
14 N. PARKER DR.

JEVNE ARREAZOLA
PATRICIA ARREAZOLA
205 E. MILWAUKEE STREET

RM CALNAVEZ COMP
209 E. MILWAUKEE ST

MARIO GALASSINI
KRISTINE GALASSINI
119 E. MILWAUKEE STREET

N. PARKER DRIVE

CP#7
MAG NAIL
Y = 269,309.51
X = 493,534.13
ELEV. = 785.26

20+00

21+00

22+00

E. MILWAUKEE STREET

CP#6
MAG NAIL
Y = 269,251.19
X = 493,557.81
ELEV. = 785.31

CP#9
1/4-INCH BAR
Y = 269,295.20
X = 493,626.18
ELEV. = 788.74

S. PARKER DRIVE

CP#12
MAG NAIL
Y = 269,353.94
X = 493,702.59
ELEV. = 791.37

CP#11
MAG NAIL
Y = 269,308.12
X = 493,706.79
ELEV. = 791.66

ONE PARKER PLACE LLP
215 E. MILWAUKEE STREET

AMERITECH ADVANCED DATA SERVICES
301 E. MILWAUKEE STREET

CP#13
1/4-INCH BAR
Y = 269,534.44
X = 493,857.96
ELEV. = 800.85

PI: 23+00.24

PI: 24+42.69

23+00

24+00

25+00

E. MILWAUKEE STREET

CP#14
MAG NAIL
Y = 269,509.33
X = 493,979.20
ELEV. = 803.37

PARKER PLACE

APG REAL PROPERTIES LLC
1 S. PARKER DRIVE

ONE PARKER PLACE LLP
300 E. MILWAUKEE STREET

CP#16
MAG NAIL
Y = 269,775.71
X = 494,100.88
ELEV. = 819.60

POND PROPERTIES LLC
321 E. MILWAUKEE STREET

EUGENE OAKLEY
SUZANNE OAKLEY
4 N. WISCONSIN STREET

N. WISCONSIN STREET

CP#15
1/4-INCH BAR
Y = 269,665.61
X = 494,079.75
ELEV. = 811.25

PI: 27+08.22

PI: 27+67.89

26+00

27+00

28+00

E. MILWAUKEE STREET

S. WISCONSIN STREET

CP#17
MAG NAIL
Y = 269,676.19
X = 494,243.77
ELEV. = 819.33

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CONTROL POINTS	SHEET 112	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\027301-CP.DWG
LAYOUT NAME - 027301-cp

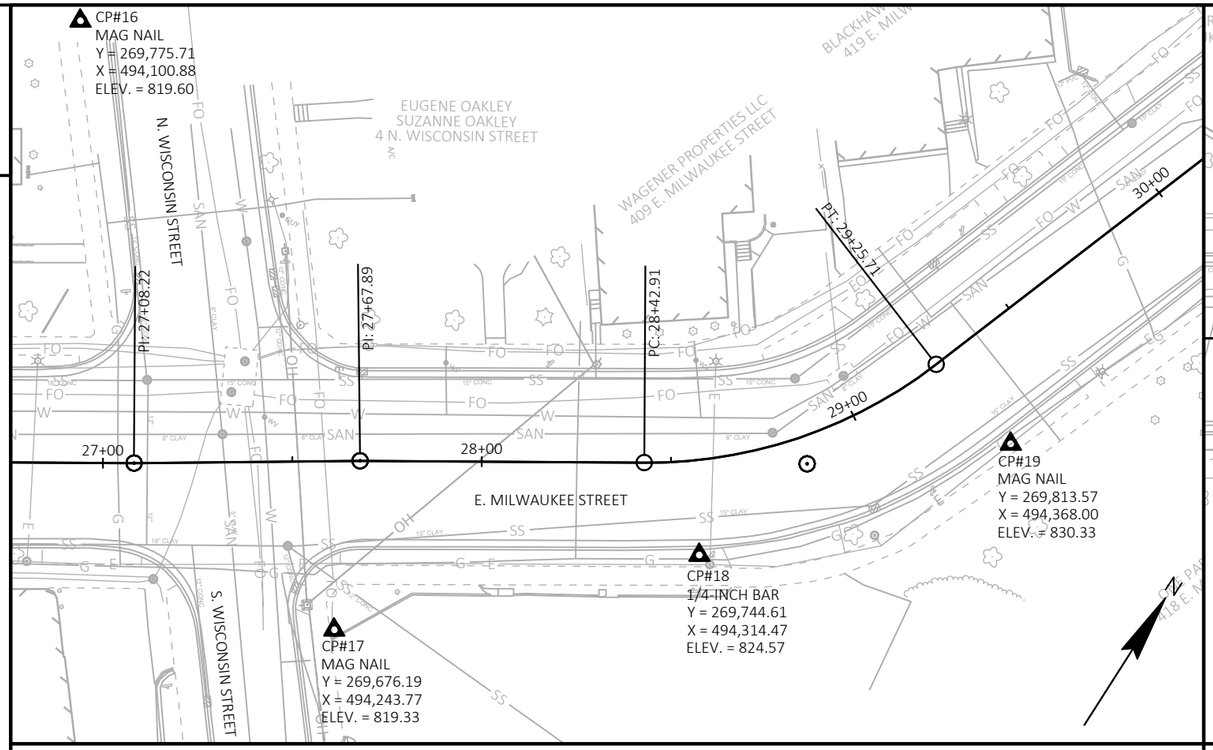
PLOT DATE : 7/24/2022 1:58 PM

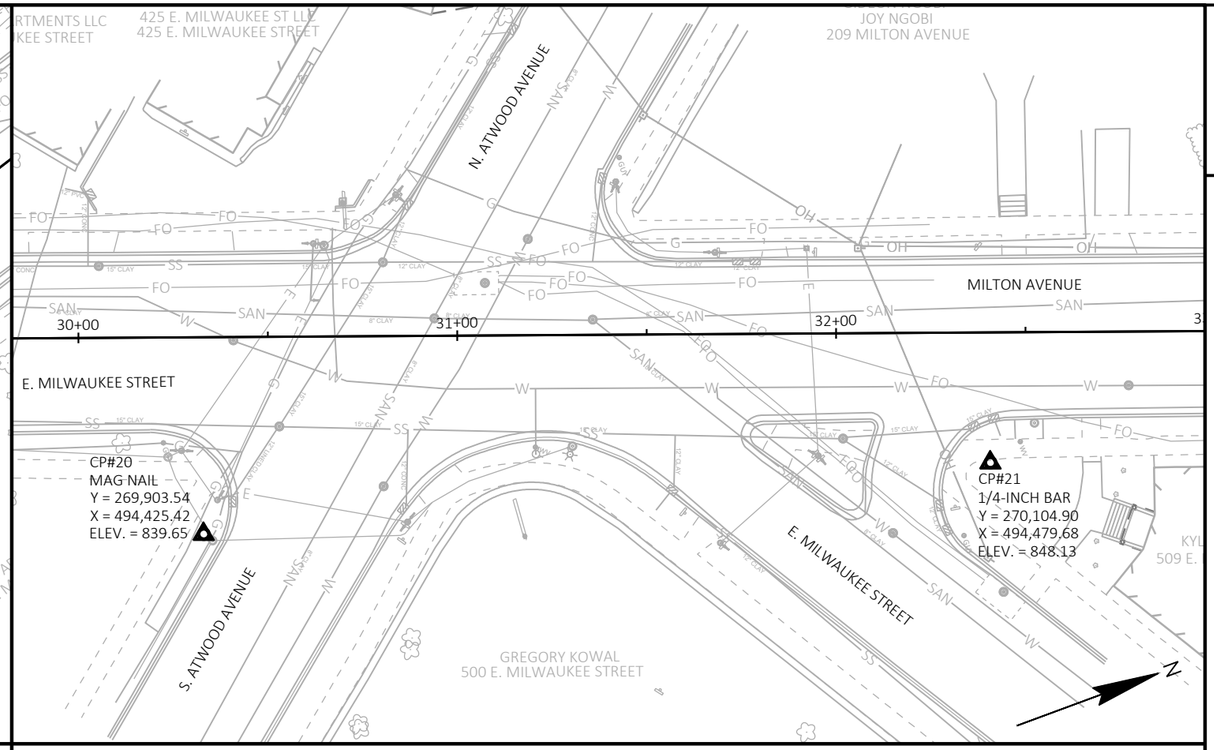
PLOT BY : JASON DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42





2

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CONTROL POINTS	SHEET 113	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\027301-CP.DWG
LAYOUT NAME - 027302-cp
PLOT DATE : 7/24/2022 1:58 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

Line	Item	Item Description	Unit	Total	5990-01-41 Qty	5990-01-42 Qty
0002	201.0120	Clearing	ID	187.000	187.000	
0004	201.0220	Grubbing	ID	253.000	253.000	
0006	204.0100	Removing Concrete Pavement	SY	7,815.000	7,815.000	
0008	204.0110	Removing Asphaltic Surface	SY	13.000	13.000	
0010	204.0130	Removing Curb	LF	9.000	9.000	
0012	204.0150	Removing Curb & Gutter	LF	3,406.000	3,406.000	
0014	204.0155	Removing Concrete Sidewalk	SY	2,850.000	2,850.000	
0016	204.0195	Removing Concrete Bases	EACH	31.000	31.000	
0018	204.0210	Removing Manholes	EACH	13.000	13.000	
0020	204.0220	Removing Inlets	EACH	42.000	42.000	
0022	204.0245	Removing Storm Sewer (size) 01. 12-Inch or Less	LF	800.000	800.000	
0024	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	876.000	876.000	
0026	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	1,315.000	1,315.000	
0028	204.0245	Removing Storm Sewer (size) 04. 24-Inch	LF	601.000	601.000	
0030	204.0245	Removing Storm Sewer (size) 05. 30-Inch	LF	15.000	15.000	
0032	204.0245	Removing Storm Sewer (size) 06. 36-Inch	LF	76.000	76.000	
0034	204.0250	Abandoning Manholes	EACH	1.000	1.000	
0036	204.0280	Sealing Pipes	EACH	3.000	3.000	
0038	204.9090.S	Removing (item description) 01. Concrete Retaining Wall	LF	66.000	66.000	
0040	205.0100	Excavation Common	CY	7,101.000	7,101.000	
0042	213.0100	Finishing Roadway (project) 01. 5990-01-41	EACH	1.000	1.000	
0044	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	6,233.000	6,233.000	
0046	312.0115	Select Crushed Material	CY	1,000.000	1,000.000	
0048	405.0200	Coloring Concrete Custom	CY	78.000	78.000	
0050	415.0080	Concrete Pavement 8-Inch	SY	8,510.000	8,510.000	
0052	415.4100	Concrete Pavement Joint Filling	SY	8,510.000	8,510.000	
0054	416.0180	Concrete Driveway 8-Inch	SY	491.000	491.000	
0056	416.0610	Drilled Tie Bars	EACH	84.000	84.000	
0058	416.0620	Drilled Dowel Bars	EACH	28.000	28.000	
0060	455.0605	Tack Coat	GAL	44.000	44.000	
0062	465.0105	Asphaltic Surface	TON	245.000	245.000	
0064	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	17.000	17.000	
0066	465.0125	Asphaltic Surface Temporary	TON	1.000	1.000	
0068	520.8000	Concrete Collars for Pipe	EACH	3.000	3.000	
0070	601.0417	Concrete Curb & Gutter 30-Inch Type K	LF	3,167.000	3,167.000	
0072	601.0419	Concrete Curb & Gutter 30-Inch Type L	LF	224.000	224.000	
0074	601.0600	Concrete Curb Pedestrian	LF	77.000	77.000	
0076	602.0410	Concrete Sidewalk 5-Inch	SF	14,045.000	14,045.000	
0078	602.0415	Concrete Sidewalk 6-Inch	SF	4,070.000	4,070.000	
0080	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	238.000	238.000	
0082	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	184.870	184.870	
0084	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	551.000	551.000	
0086	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	111.000	111.000	
0088	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	66.000	66.000	
0090	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	618.000	618.000	
0092	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	543.000	543.000	
0094	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	261.000	261.000	
0096	608.0348	Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	LF	50.000	50.000	
0098	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	315.000	315.000	

Line	Item	Item Description	Unit	Total	5990-01-41 Qty	5990-01-42 Qty
0100	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	204.000	204.000	
0102	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	231.000	231.000	
0104	608.6008	Storm Sewer Pipe Composite 8-Inch	LF	4.000	4.000	
0106	608.6012	Storm Sewer Pipe Composite 12-Inch	LF	12.000	12.000	
0108	611.2004	Manholes 4-FT Diameter	EACH	2.000	2.000	
0110	611.2005	Manholes 5-FT Diameter	EACH	8.000	8.000	
0112	611.2006	Manholes 6-FT Diameter	EACH	1.000	1.000	
0114	611.2007	Manholes 7-FT Diameter	EACH	1.000	1.000	
0116	611.3004	Inlets 4-FT Diameter	EACH	17.000	17.000	
0118	611.3230	Inlets 2x3-FT	EACH	25.000	25.000	
0120	611.8110	Adjusting Manhole Covers	EACH	8.000		8.000
0122	611.8120.S	Cover Plates Temporary	EACH	3.000	3.000	
0124	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	117.480		117.480
0126	619.1000	Mobilization	EACH	1.000	0.850	0.150
0128	623.0200	Dust Control Surface Treatment	SY	10,112.000	10,112.000	
0130	624.0100	Water	MGAL	60.000	60.000	
0132	625.0100	Topsoil	SY	1,600.000	1,600.000	
0134	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000	
0136	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000	
0138	628.7020	Inlet Protection Type D	EACH	100.000	100.000	
0140	628.7560	Tracking Pads	EACH	3.000	3.000	
0142	629.0210	Fertilizer Type B	CWT	1.000	1.000	
0144	631.0300	Sod Water	MGAL	91.000	91.000	
0146	631.1000	Sod Lawn	SY	1,600.000	1,600.000	
0148	632.0101	Trees (species) (size) (root) 01. Buckeye, Early Glow, 2.5" Cal., B&B	EACH	2.000	2.000	
0150	632.0101	Trees (species) (size) (root) 02. Common Hackberry, 2.5" Cal., B&B	EACH	2.000	2.000	
0152	632.0101	Trees (species) (size) (root) 03. Harvest Gold Crabapple, 'Hargozam', 2.5" Cal., B&B	EACH	2.000	2.000	
0154	632.0101	Trees (species) (size) (root) 04. American Hophornbeam, 2.5" Cal., B&B	EACH	2.000	2.000	
0156	632.0101	Trees (species) (size) (root) 05. Amur Chokecherry, 2.5" Cal., B&B	EACH	3.000	3.000	
0158	632.0101	Trees (species) (size) (root) 06. Sargent's Cherry, 2.5" Cal., B&B	EACH	2.000	2.000	
0160	632.0101	Trees (species) (size) (root) 07. Japanese Tree Lilac, 'Ivory Silk', 2.5" Cal., B&B	EACH	2.000	2.000	
0162	632.0101	Trees (species) (size) (root) 08. Elm, Accolade, 2.5" Cal., B&B	EACH	2.000	2.000	
0164	632.0101	Trees (species) (size) (root) 09. Triumph Elm, 'Morton Glossy', 2.5" Cal., B&B	EACH	3.000	3.000	
0166	632.0201	Shrubs (species) (size) (root) 01. Black Chokeberry, Iroquois Beauty, 3 Gal., CG	EACH	3.000	3.000	
0168	632.0201	Shrubs (species) (size) (root) 02. Forsythia, Gold Tide, 3 Gal., CG	EACH	8.000	8.000	
0170	632.0201	Shrubs (species) (size) (root) 03. St. John's Wort, Cobalt-N-Gold, 3 Gal., CG	EACH	4.000	4.000	
0172	632.0201	Shrubs (species) (size) (root) 04. Alpine Currant, Green Mound, 3 Gal., CG	EACH	8.000	8.000	
0174	632.0201	Shrubs (species) (size) (root) 05. Japanese Spirea, Anthony Waterer, 3 Gal., CG	EACH	4.000	4.000	
0176	632.0201	Shrubs (species) (size) (root) 06. Weigela, Minuet, 3 Gal., CG	EACH	5.000	5.000	
0178	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	10.000	10.000	
0180	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	20.000	20.000	
0182	637.2210	Signs Type II Reflective H	SF	231.760	231.760	
0184	638.2102	Moving Signs Type II	EACH	3.000	3.000	
0186	638.2602	Removing Signs Type II	EACH	37.000	37.000	
0188	638.3000	Removing Small Sign Supports	EACH	20.000	20.000	
0190	638.4000	Moving Small Sign Supports	EACH	2.000	2.000	
0192	642.5201	Field Office Type C	EACH	1.000	1.000	
0194	643.0300	Traffic Control Drums	DAY	6,000.000	6,000.000	
0196	643.0410	Traffic Control Barricades Type II	DAY	2,200.000	2,200.000	

					5990-01-41	5990-01-42
Line	Item	Item Description	Unit	Total	Qty	Qty
0198	643.0420	Traffic Control Barricades Type III	DAY	9,250.000	9,250.000	
0200	643.0705	Traffic Control Warning Lights Type A	DAY	16,000.000	16,000.000	
0202	643.0715	Traffic Control Warning Lights Type C	DAY	2,000.000	2,000.000	
0204	643.0900	Traffic Control Signs	DAY	18,150.000	18,150.000	
0206	643.1000	Traffic Control Signs Fixed Message	SF	184.000	184.000	
0208	643.1050	Traffic Control Signs PCMS	DAY	60.000	60.000	
0210	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	500.000	500.000	
0212	643.3970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	84.000	84.000	
0214	643.5000	Traffic Control	EACH	1.000	1.000	
0216	644.1410	Temporary Pedestrian Surface Asphalt	SF	1,000.000	1,000.000	
0218	644.1430	Temporary Pedestrian Surface Plate	SF	2,100.000	2,100.000	
0220	644.1440	Temporary Pedestrian Surface Matting	SF	1,000.000	1,000.000	
0222	644.1601	Temporary Pedestrian Curb Ramp	DAY	2,050.000	2,050.000	
0224	644.1605	Temporary Pedestrian Detectable Warning Field	SF	150.000	150.000	
0226	644.1810	Temporary Pedestrian Barricade	LF	4,300.000	4,300.000	
0228	646.1020	Marking Line Epoxy 4-Inch	LF	2,800.000	2,800.000	
0230	646.3020	Marking Line Epoxy 8-Inch	LF	555.000	555.000	
0232	646.5020	Marking Arrow Epoxy	EACH	10.000	10.000	
0234	646.5120	Marking Word Epoxy	EACH	3.000	3.000	
0236	646.6120	Marking Stop Line Epoxy 18-Inch	LF	350.000	350.000	
0238	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,710.000	1,710.000	
0240	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	78.000	78.000	
0242	646.8320	Marking Parking Stall Epoxy	LF	486.000	486.000	
0244	646.9000	Marking Removal Line 4-Inch	LF	10.000	10.000	
0246	650.4000	Construction Staking Storm Sewer	EACH	54.000	54.000	
0248	650.4500	Construction Staking Subgrade	LF	1,578.000	1,578.000	
0250	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	301.000	301.000	
0252	650.7000	Construction Staking Concrete Pavement	LF	1,578.000	1,578.000	
0254	650.8501	Construction Staking Electrical Installations (project) 01. 5990-01-41	EACH	1.000	1.000	
0256	650.9000	Construction Staking Curb Ramps	EACH	37.000	37.000	
0258	650.9500	Construction Staking Sidewalk (project) 01. 5990-01-41	EACH	1.000	1.000	
0260	650.9911	Construction Staking Supplemental Control (project) 01. 5990-01-41	EACH	1.000	1.000	
0262	650.9920	Construction Staking Slope Stakes	LF	1,578.000	1,578.000	
0264	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	4,130.000	4,130.000	
0266	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	837.000	837.000	
0268	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	1,069.000	1,069.000	
0270	652.0700.S	Install Conduit into Existing Item	EACH	1.000	1.000	
0272	652.0800	Conduit Loop Detector	LF	1,552.000	1,552.000	
0274	653.0140	Pull Boxes Steel 24x42-Inch	EACH	38.000	38.000	
0276	653.0900	Adjusting Pull Boxes	EACH	6.000	6.000	
0278	653.0905	Removing Pull Boxes	EACH	16.000	16.000	
0280	654.0101	Concrete Bases Type 1	EACH	7.000	7.000	
0282	654.0102	Concrete Bases Type 2	EACH	3.000	3.000	
0284	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000	
0286	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000	
0288	655.0210	Cable Traffic Signal 3-14 AWG	LF	541.000	541.000	
0290	655.0240	Cable Traffic Signal 7-14 AWG	LF	304.000	304.000	
0292	655.0270	Cable Traffic Signal 15-14 AWG	LF	1,527.000	1,527.000	
0294	655.0305	Cable Type UF 2-12 AWG Grounded	LF	692.000	692.000	

Line	Item	Item Description	Unit	Total	5990-01-41 Qty	5990-01-42 Qty
0296	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	2,679.000	2,679.000	
0298	655.0610	Electrical Wire Lighting 12 AWG	LF	11,023.000	11,023.000	
0300	655.0615	Electrical Wire Lighting 10 AWG	LF	5,523.000	5,523.000	
0302	655.0625	Electrical Wire Lighting 6 AWG	LF	8,122.000	8,122.000	
0304	655.0700	Loop Detector Lead In Cable	LF	2,161.000	2,161.000	
0306	655.0800	Loop Detector Wire	LF	4,580.000	4,580.000	
0308	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. 24+30.0, 40.0' RT	EACH	1.000	1.000	
0310	656.0201	Electrical Service Meter Breaker Pedestal (location) 02. 30+21.2, 43.8' RT	EACH	1.000	1.000	
0312	657.0100	Pedestal Bases	EACH	8.000	8.000	
0314	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	3.000	3.000	
0316	657.0315	Poles Type 4	EACH	3.000	3.000	
0318	657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	1.000	1.000	
0320	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	8.000	8.000	
0322	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	3.000	3.000	
0324	658.0173	Traffic Signal Face 3S 12-Inch	EACH	19.000	19.000	
0326	658.0416	Pedestrian Signal Face 16-Inch	EACH	8.000	8.000	
0328	658.5070	Signal Mounting Hardware (location) 01. E. Milwaukee St. & Atwood Ave.	EACH	1.000	1.000	
0330	659.1120	Luminaires Utility LED B	EACH	3.000	3.000	
0332	659.2130	Lighting Control Cabinets 120/240 30-Inch	EACH	1.000	1.000	
0334	670.0101	Field System Integrator	EACH	1.000	1.000	
0336	678.0501	Communication System Testing	EACH	1.000	1.000	
0338	690.0150	Sawing Asphalt	LF	967.000	967.000	
0340	690.0250	Sawing Concrete	LF	1,777.000	1,777.000	
0342	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	2,553.000	2,553.000	
0344	740.0440	Incentive IRI Ride	DOL	1,195.000	1,195.000	
0346	999.1501.S	Crack and Damage Survey	EACH	1.000	1.000	
0348	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	800.000	800.000	
0350	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	550.000	550.000	
0352	SPV.0035	Special 01. Planting Soil Mix	CY	83.000	83.000	
0354	SPV.0035	Special 02. Watermain Granular Backfill Special	CY	1,635.000		1,635.000
0356	SPV.0060	Special 01. Manhole Cover Type Special Logo	EACH	7.000	7.000	
0358	SPV.0060	Special 02. Inlet Cover Type H Special Logo	EACH	38.000	38.000	
0360	SPV.0060	Special 03. Inlet Cover Type H Special Logo LP	EACH	9.000	9.000	
0362	SPV.0060	Special 04. Reconnect Storm Sewer Laterals	EACH	14.000	14.000	
0364	SPV.0060	Special 05. Remove Light Pole Assembly	EACH	18.000	18.000	
0366	SPV.0060	Special 06. Remove & Salvage LED Street Light Fixture	EACH	18.000	18.000	
0368	SPV.0060	Special 07. Decorative Mast Arm Lighting Unit	EACH	11.000	11.000	
0370	SPV.0060	Special 08. Decorative Pole Top Lighting Unit	EACH	9.000	9.000	
0372	SPV.0060	Special 09. Concrete Base Type 3 Special	EACH	11.000	11.000	
0374	SPV.0060	Special 10. Concrete Base Type 5 Special	EACH	9.000	9.000	
0376	SPV.0060	Special 11. V-Loc Post Anchor VS1-P	EACH	4.000	4.000	
0378	SPV.0060	Special 12. V-Loc Post Anchor VS2	EACH	13.000	13.000	
0380	SPV.0060	Special 13. V-Loc Post Anchor VS3	EACH	3.000	3.000	
0382	SPV.0060	Special 14. Temporary Storm Sewer Connection	EACH	5.000	5.000	
0384	SPV.0060	Special 15. Concrete Pipe Support	EACH	4.000	4.000	
0386	SPV.0060	Special 16. Utility Line Opening (ULO)	EACH	17.000	17.000	
0388	SPV.0060	Special 17. Tree Grate	EACH	9.000	9.000	
0390	SPV.0060	Special 18. Round Concrete Planter 36-Inch x 30-Inch	EACH	6.000	6.000	
0392	SPV.0060	Special 19. Round Concrete Planter 30-Inch x 30-Inch	EACH	6.000	6.000	

Line	Item	Item Description	Unit	Total	5990-01-41 Qty	5990-01-42 Qty
0394	SPV.0060	Special 20. Perennials, Bluestar, Blue Ice, 1 Gal., CG	EACH	22.000	22.000	
0396	SPV.0060	Special 21. Perennials, Lilyturf, Big Blue, 1 Gal., CG	EACH	8.000	8.000	
0398	SPV.0060	Special 22. Perennials, Moss Phlox, Drummond's Pink, 4" Pot, CG	EACH	19.000	19.000	
0400	SPV.0060	Special 23. Perennials, Moss Phlox, Snowflake, 4" Pot, CG	EACH	21.000	21.000	
0402	SPV.0060	Special 24. Perennials, Switchgrass, Shenandoah, 1 Gal., CG	EACH	14.000	14.000	
0404	SPV.0060	Special 25. Perennials, Little Bluestem, 1 Gal., CG	EACH	12.000	12.000	
0406	SPV.0060	Special 26. Adjusting Storm Sewer Clean Out	EACH	1.000	1.000	
0408	SPV.0060	Special 27. Watermain Offset 6-Inch	EACH	5.000		5.000
0410	SPV.0060	Special 28. Watermain Offset 12-Inch	EACH	8.000		8.000
0412	SPV.0060	Special 29. New Hydrant and Gate Valve With Valve Box	EACH	3.000		3.000
0414	SPV.0060	Special 30. Gate Valve With Valve Box, 6-Inch	EACH	2.000		2.000
0416	SPV.0060	Special 31. Gate Valve With Valve Box, 8-Inch	EACH	4.000		4.000
0418	SPV.0060	Special 32. Gate Valve With Valve Box, 12-Inch	EACH	5.000		5.000
0420	SPV.0060	Special 33. Water Service Replacement Short	EACH	1.000		1.000
0422	SPV.0060	Special 34. Water Service Replacement Long	EACH	13.000		13.000
0424	SPV.0060	Special 35. Abandon Inactive Service	EACH	11.000		11.000
0426	SPV.0060	Special 36. Bench, 6-Foot, Backed	EACH	2.000	2.000	
0428	SPV.0060	Special 37. Bicycle Rack	EACH	4.000	4.000	
0430	SPV.0060	Special 38. Bench, 6-Foot, Backless	EACH	4.000	4.000	
0432	SPV.0060	Special 39. Trash Receptacle	EACH	5.000	5.000	
0434	SPV.0060	Special 40. Traffic Signal Cabinet & Controller (E. Milwaukee St. & Atwood Ave.)	EACH	1.000	1.000	
0436	SPV.0060	Special 41. Audible-Tactile Pedestrian Push Button Unit	EACH	9.000	9.000	
0438	SPV.0060	Special 42. Remove & Salvage Traffic Signal Equipment (E. Milwaukee St. & Main St.)	EACH	1.000	1.000	
0440	SPV.0060	Special 43. Remove & Salvage Traffic Signal Equipment (E. Milwaukee St. & Parker Dr.)	EACH	1.000	1.000	
0442	SPV.0060	Special 44. Remove & Salvage Traffic Signal Equipment (E. Milwaukee St. & Atwood Ave.)	EACH	1.000	1.000	
0444	SPV.0060	Special 45. Traffic Signal EVP Detector System	EACH	2.000	2.000	
0446	SPV.0060	Special 46. Remove, Salvage, & Reinstall EVP Equipment (E. Milwaukee St. & Atwood Ave.)	EACH	3.000	3.000	
0448	SPV.0060	Special 47. Install City Supplied Street Name Sign	EACH	8.000	8.000	
0450	SPV.0060	Special 48. Remove, Salvage and Resetting Decorative Stone	EACH	1.000	1.000	
0452	SPV.0060	Special 49. Locate and Reference Property Corners	EACH	15.000	15.000	
0454	SPV.0060	Special 50. Reset Property Corners	EACH	15.000	15.000	
0456	SPV.0060	Special 51. Abandon Existing Watermain	EACH	1.000		1.000
0458	SPV.0060	Special 52. Construction Staking Watermain	EACH	1.000		1.000
0460	SPV.0090	Special 01. Concrete Curb & Gutter 30-Inch Type K Special (4-Inch Curb Head Height)	LF	46.000	46.000	
0462	SPV.0090	Special 02. Concrete Curb & Gutter 30-Inch Type K Special (2-Inch Curb Head Height)	LF	10.000	10.000	
0464	SPV.0090	Special 03. Concrete Planter Wall 8-Inch	LF	96.000	96.000	
0466	SPV.0090	Special 04. Concrete Planter Wall 12-Inch	LF	187.000	187.000	
0468	SPV.0090	Special 05. Concrete Sloped Curb Special	LF	222.000	222.000	
0470	SPV.0090	Special 06. Ductile Iron Watermain 6-Inch	LF	278.000		278.000
0472	SPV.0090	Special 07. Ductile Iron Watermain 8-Inch	LF	267.000		267.000
0474	SPV.0090	Special 08. Ductile Iron Watermain 12-Inch	LF	1,415.000		1,415.000
0476	SPV.0165	Special 01. Concrete Sidewalk 5-Inch, Colored, Dark Gold	SF	4,665.000	4,665.000	
0478	SPV.0165	Special 02. Concrete Sidewalk 6-Inch, Colored, Dark Gold	SF	370.000	370.000	
0480	SPV.0165	Special 03. Abandoned Vault Removal Masonry, Depth To 5'	SF	50.000	50.000	
0482	SPV.0165	Special 04. Abandoned Vault Removal Masonry, Depth Over 5'	SF	25.000	25.000	
0484	SPV.0165	Special 05. Abandoned Vault Removal Reinforced Concrete 0"-10", Depth To 5'	SF	50.000	50.000	
0486	SPV.0165	Special 06. Abandoned Vault Removal Reinforced Concrete 0"-10", Depth Over 5'	SF	25.000	25.000	

					5990-01-41	5990-01-42
Line	Item	Item Description	Unit	Total	Qty	Qty
0488	SPV.0165	Special 07. Abandoned Vault Removal Reinforced Concrete 10"+, Depth To 5'	SF	25.000	25.000	
0490	SPV.0165	Special 08. Abandoned Vault Removal Reinforced Concrete 10"+, Depth Over 5'	SF	25.000	25.000	
0492	SPV.0180	Special 01. Shredded Hardwood Bark Mulch	SY	151.320	151.320	
0494	SPV.0180	Special 02. Gravel Mulch	SY	27.000	27.000	

3

CLEARING & GRUBBING

CATEGORY	STATION	LOCATION	(201.0120) CLEARING ID	(201.0220) GRUBBING ID
0010	18+01	RT	2	2
	18+14	LT	-	4
	18+38	LT	-	3
	18+49	RT	4	4
	18+77	LT	2	2
	18+96	RT	3	3
	19+22	LT	-	5
	21+61	LT	12	12
	22+19	RT	14	14
	22+40	LT	3	3
	22+70	LT	6	6
	23+05	LT	6	6
	23+57	LT	12	12
	24+15	LT	-	42
	24+59	LT	8	8
	25+05	LT	14	14
	26+35	RT	3	3
	26+77	RT	2	2
	28+89	RT	14	14
	29+20	LT	8	8
	29+74	LT	10	10
	29+81	RT	40	40
	30+11	RT	12	12
	31+13	LT	12	12
	30+23	RT	-	12
	PROJECT TOTALS		**187**	**253**

REMOVING CURB

CATEGORY	STATION	TO STATION	LOCATION	(204.0130) REMOVING CURB LF
0010	20+32	20+37	RT	9
	PROJECT TOTAL			**9**

REMOVING CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(204.0150) REMOVING CURB & GUTTER LF
0010	17+54	20+38	LT	346
	17+58	20+50	RT	337
	20+74	23+79	LT	367
	20+94	23+91	RT	355
	24+09	27+04	LT	388
	24+26	27+27	RT	431
	27+43	31+17	LT	426
	27+54	30+38	RT	374
	30+70	32+11	RT	181
	31+41	32+55	LT	144
	32+34	32+55	RT	57
	PROJECT TOTAL			**3,406**

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION	TO STATION	LOCATION	(204.0100) REMOVING CONCRETE PAVEMENT SY
0010	17+83	20+14	LT & RT	1,068
	20+14	21+08	LT & RT	751
	21+08	23+62	LT & RT	1,206
	23+62	24+41	LT & RT	584
	24+41	26+86	LT & RT	1,168
	26+86	27+68	LT & RT	596
	27+68	30+19	LT & RT	1,199
	30+19	31+91	LT & RT	1,243
	PROJECT TOTAL			**7,815**

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	LOCATION	(204.0155) REMOVING CONCRETE SIDEWALK SY
0010	17+55	20+37	LT	398
	17+58	20+50	RT	357
	20+74	23+79	LT	372
	20+95	23+86	RT	377
	24+14	27+06	LT	324
	24+31	27+26	RT	287
	27+51	31+14	LT	315
	27+51	30+39	RT	253
	30+84	31+73	RT	77
	31+39	32+02	LT	47
	31+95	32+08	RT (ISLAND)	8
	32+28	32+55	RT	31
	32+44	32+50	LT	4
	PROJECT TOTAL			**2,850**

NOTE: THE REMOVAL OF BRICKS AND CONCRETE DRIVEWAY APRONS SHALL BE PAID AS REMOVING CONCRETE SIDEWALK

3

REMOVING STORM SEWER STRUCTURES

CATEGORY	STATION	LOCATION	(204.0210) REMOVING MANHOLES EACH	(204.0220) REMOVING INLETS EACH
0010	17+34	7' RT	1	-
	17+63	18' LT	1	-
	17+69	20' RT	1	-
	17+83	22' LT	-	1
	17+85	21' RT	-	1
	17+92	22' LT	-	1
	18+01	21' RT	-	1
	19+05	23' LT	-	1
	19+08	21' RT	-	1
	20+38	49' LT	-	1
	20+42	20' LT	1	-
	20+47	39' RT	-	1
	20+79	38' LT	-	1
	20+88	18' RT	1	-
	20+92	40' RT	-	1
	21+15	24' LT	-	1
	21+30	22' RT	-	1
	22+55	24' LT	-	1
	22+63	22' RT	-	1
	23+80	44' LT	-	1
	23+82	22' LT	1	-
	23+90	44' RT	-	1
	24+11	39' LT	-	1
	24+18	21' RT	1	-
	24+21	36' RT	-	1
	24+32	23' LT	-	1
	24+64	23' RT	-	1
	25+78	24' LT	-	1
	25+88	22' RT	-	1
	27+09	49' LT	-	1
	27+12	22' LT	1	-
	27+27	63' RT	-	1
	27+46	45' LT	-	1
	27+46	50' LT	-	1
	27+49	22' RT	1	-
	27+51	33' RT	-	1
	27+68	24' LT	-	1
	28+89	15' LT	1	-
	28+95	25' RT	-	1
	29+41	22' LT	-	1
	30+05	19' LT	1	-
	30+40	43' RT	-	1
	30+53	24' RT	1	-
	30+80	19' LT	1	-
	30+85	46' RT	-	1
	30+87	35' LT	-	1
	31+15	81' LT	-	1
	31+39	41' LT	-	1
	31+56	41' RT	-	1
	31+74	19' LT	-	1
	31+79	19' LT	-	1
	32+27	46' RT	-	1
	32+29	52' RT	-	1
	32+36	25' RT	-	1
	32+41	23' RT	-	1
PROJECT TOTALS			**13**	**42**

REMOVING STORM SEWER

CATEGORY	STATION	TO STATION	LOCATION	SIZE 01. (204.0245.01) 12-INCH OR LESS LF	SIZE 02. (204.0245.02) 15-INCH LF	SIZE 03. (204.0245.03) 18-INCH LF	SIZE 04. (204.0245.04) 24-INCH LF	SIZE 05. (204.0245.05) 30-INCH LF	SIZE 06. (204.0245.06) 36-INCH LF
0010	17+34	17+63	RT & LT	-	-	-	-	-	38
	17+34	17+69	RT	-	-	-	-	-	38
	17+63	17+83	LT	-	-	21	-	-	-
	17+69	17+85	RT	-	-	-	-	15	-
	17+83	17+92	LT	-	-	-	9	-	-
	17+85	18+01	RT	-	-	16	-	-	-
	17+92	20+42	LT	-	-	-	252	-	-
	18+01	20+88	RT	-	-	287	-	-	-
	19+05	19+05	LT	5	-	-	-	-	-
	19+08	19+08	RT	2	-	-	-	-	-
	20+37	20+37	RT	4	-	-	-	-	-
	20+42	20+38	LT	29	-	-	-	-	-
	20+42	20+43	LT	9	-	-	-	-	-
	20+42	23+82	LT	-	-	-	340	-	-
	20+45	20+47	RT	20	-	-	-	-	-
	20+79	20+79	LT	18	-	-	-	-	-
	20+79	20+83	LT	7	-	-	-	-	-
	20+79	20+74	LT	28	-	-	-	-	-
	20+88	20+92	RT	22	-	-	-	-	-
	20+88	21+08	RT	27	-	-	-	-	-
	20+88	24+17	RT	-	-	330	-	-	-
	20+95	20+95	LT	4	-	-	-	-	-
	21+15	21+15	LT	4	-	-	-	-	-
	21+30	21+30	RT	3	-	-	-	-	-
	22+55	22+55	LT	2	-	-	-	-	-
	22+63	22+63	RT	2	-	-	-	-	-
	23+82	23+80	LT	22	-	-	-	-	-
	23+82	23+83	LT	12	-	-	-	-	-
	23+82	27+12	LT	-	-	330	-	-	-
	23+87	23+90	RT	24	-	-	-	-	-
	24+11	24+11	LT	17	-	-	-	-	-
	24+17	24+21	RT	15	-	-	-	-	-
	24+17	27+49	RT	-	-	331	-	-	-
	24+32	24+32	LT	2	-	-	-	-	-
	24+64	24+64	RT	2	-	-	-	-	-
	25+78	25+78	LT	2	-	-	-	-	-
	25+88	25+88	RT	2	-	-	-	-	-
	27+12	27+11	LT & RT	44	-	-	-	-	-
	27+12	27+09	LT	27	-	-	-	-	-
	27+09	27+06	LT	21	-	-	-	-	-
	27+12	28+89	LT	-	171	-	-	-	-
	27+23	27+27	RT	41	-	-	-	-	-
	27+46	27+46	LT	5	-	-	-	-	-
	27+46	27+49	LT	24	-	-	-	-	-
	27+49	28+95	RT	-	155	-	-	-	-
	27+49	27+51	RT	11	-	-	-	-	-
	27+49	27+67	RT	24	-	-	-	-	-
	27+63	27+63	LT	3	-	-	-	-	-
	27+68	27+68	LT	2	-	-	-	-	-
	28+89	30+05	LT	-	112	-	-	-	-
	28+95	30+53	RT	-	163	-	-	-	-
	29+41	29+41	LT	2	-	-	-	-	-
	30+05	30+80	LT	-	75	-	-	-	-
	30+53	31+73	RT	-	120	-	-	-	-
	30+53	30+40	RT	23	-	-	-	-	-
	30+53	30+80	RT & LT	-	51	-	-	-	-
	30+80	30+87	LT	17	-	-	-	-	-
	30+80	31+74	LT	94	-	-	-	-	-
	30+87	31+15	LT	54	-	-	-	-	-
	30+87	30+85	RT	21	-	-	-	-	-
	31+36	31+39	LT	22	-	-	-	-	-
	31+57	31+56	RT	15	-	-	-	-	-
	31+56	31+83	RT	34	-	-	-	-	-
	31+74	31+79	LT	5	-	-	-	-	-
	32+11	32+27	RT	20	-	-	-	-	-
	32+14	32+36	RT	-	23	-	-	-	-
	32+27	32+29	RT	7	-	-	-	-	-
	32+36	32+41	RT	-	6	-	-	-	-
PROJECT TOTALS				**800**	**876**	**1,315**	**601**	**15**	**76**

3

ABANDONING STORM SEWER STRUCTURES

CATEGORY	STATION	LOCATION	(204.0250) ABANDONING MANHOLES EACH	NOTES
0010	32+02	28' RT	1	INCLUDES CASTING REMOVAL
	PROJECT TOTAL		**1**	

REMOVING CONCRETE RETAINING WALL

CATEGORY	STATION	TO STATION	LOCATION	(204.9090.S.01) REMOVING CONCRETE RETAINING WALL LF
0010	24+29	24+30	RT	66
		PROJECT TOTAL		**66**

3

SEALING PIPES

CATEGORY	STATION	TO STATION	LOCATION	(204.0280) SEALING PIPES EACH	NOTES
0010	31+73	32+02	RT	1	15-INCH PIPE
	32+02	32+14	RT	1	15-INCH PIPE
	32+02	32+11	RT	1	12-INCH PIPE
		PROJECT TOTAL		**3**	

ABANDONED VAULT REMOVAL

CATEGORY	STATION	LOCATION	(SPV.0165.03) ABANDONED VAULT REMOVAL MASONRY, DEPTH TO 5' SF	(SPV.0165.04) ABANDONED VAULT REMOVAL MASONRY, DEPTH OVER 5' SF	(SPV.0165.05) ABANDONED VAULT REMOVAL REINFORCED CONCRETE 0"-10", DEPTH TO 5' SF	(SPV.0165.06) ABANDONED VAULT REMOVAL REINFORCED CONCRETE 0"-10", DEPTH OVER 5' SF	(SPV.0165.07) ABANDONED VAULT REMOVAL REINFORCED CONCRETE 10"+, DEPTH TO 5' SF	(SPV.0165.08) ABANDONED VAULT REMOVAL REINFORCED CONCRETE 10"+, DEPTH OVER 5' SF
0010	UNDISTRIBUTED		50	25	50	25	25	25
	PROJECT TOTALS		**50**	**25**	**50**	**25**	**25**	**25**

EARTHWORK PROJECT 5990-01-41

DIVISION	FROM / TO STATION	LOCATION	(205.0100) EXCAVATION COMMON (1) CUT (2)	(205.0100) EXCAVATION COMMON (1) EBS EXCAVATION	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	(208.0100) BORROW	COMMENT
1	16+77.00 - 32+54.50		6,101	0	2,530	3,571	0	0	3,571	3,571	0	
	UNDISTRIBUTED EBS		0	1,000								
	PROJECT TOTALS		6,101	1,000	2,530	3,571	0	0	3,571	3,571	0	
	OVERALL PROJECT TOTAL		**7,101**									

NOTES:
(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
(13) EXPANDED FILL FACTOR = 1.25
DEPENDING ON SELECTIONS: **EXPANDED FILL = (UNEXPANDED FILL) * FILL FACTOR**
(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

3

SELECT CRUSHED MATERIAL

CATEGORY	DESCRIPTION	(312.0115) SELECT CRUSHED MATERIAL CY	COMMENTS
0010	PROJECT 5990-01-41	1,000	UNDISTRIBUTED FOR EBS
	PROJECT TOTAL	**1,000**	

CONCRETE PAVEMENT

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(623.0200) DUST CONTROL SURFACE TREATMENT SY	(415.0080) CONCRETE PAVEMENT 8-INCH SY	(405.0200) COLORING CONCRETE CUSTOM CY	(415.4100) CONCRETE PAVEMENT JOINT FILLING SY
0010	16+77	17+75	LT & RT	312	702	674	29	674
	17+75	20+20	LT & RT	574	1,292	1,048	-	1,048
	20+20	21+06	LT & RT	382	858	754	26	754
	21+06	23+60	LT & RT	565	1,272	1,018	-	1,018
	23+60	24+43	LT & RT	300	675	585	23	585
	24+43	32+55	LT & RT	2,362	5,312	4,431	-	4,431
	PROJECT TOTALS			**4,495**	**10,112**	**8,510**	**78**	**8,510**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

DRILLED BARS

CATEGORY	STATION	TO STATION	LOCATION	(416.0610) DRILLED TIE BARS EACH	(416.0620) DRILLED DOWEL BARS EACH
0010	16+77	-	LT & RT	-	28
	16+77	17+02	LT	16	-
	16+77	17+15	RT	20	-
	17+22	17+34	LT	5	-
	31+75	32+12	RT (ISLAND)	43	-
	PROJECT TOTALS			**84**	**28**

ASPHALTIC SURFACE

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(465.0105) ASPHALTIC SURFACE TON	(455.0605) TACK COAT GAL
0010	16+99	17+22	LT	45	15	3
	17+37	17+66	RT	47	16	3
	20+37	20+73	LT	108	31	5
	20+52	20+97	RT	98	33	6
	23+68	24+15	LT	105	28	5
	23+92	24+24	RT	140	40	7
	27+05	27+41	LT	78	23	4
	27+28	27+52	RT	49	13	2
	30+33	30+69	RT	34	11	2
	31+08	31+50	LT	83	24	4
	32+12	32+41	RT	31	11	2
	PROJECT TOTALS			**818**	**245**	**44**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

DRIVEWAYS AND PARKING LOTS

CATEGORY	DRIVEWAY C/L STATION	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(416.0180) CONCRETE DRIVEWAY 8-INCH APRON/ SIDEWALK SY	(416.0180) CONCRETE DRIVEWAY 8-INCH BEHIND SIDEWALK SY	(465.0120) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
0010	19+25	19+08	19+43	RT	13	38	-	-
	19+76	19+57	19+95	RT	14	43	-	-
	22+06	21+86	22+26	LT	17	47	4	-
	23+28	23+08	23+48	LT	23	47	-	2
	25+58	25+42	25+73	LT	19	37	-	2
	26+02	25+91	26+13	LT	11	25	-	1
	26+37	26+27	26+47	LT	10	22	-	1
	26+99	26+85	27+10	RT	15	32	-	1
	27+58	27+51	27+69	RT	13	25	-	2
	28+73	28+59	28+87	RT	18	39	-	2
	28+98	28+76	29+12	LT	14	29	14	-
	30+26	30+05	30+74	LT	23	42	-	3
	31+00	30+74	31+14	LT	25	47	-	3
	SUBTOTALS				**-**	**473**	**18**	**-**
	PROJECT TOTALS				**215**	**491**		**17**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TEMPORARY DRIVEWAY

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(465.0125) ASPHALTIC SURFACE TEMPORARY TON	(204.0110) REMOVING ASPHALTIC SURFACE SY
0010	27+57	27+77	RT	4	1	13
	PROJECT TOTALS			**4**	**1**	**13**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONCRETE CURB AND CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(601.0417) CONCRETE CURB & GUTTER 30-INCH TYPE K LF	(601.0419) CONCRETE CURB & GUTTER 30-INCH TYPE L LF	(SPV.0090.01) CONCRETE CURB & GUTTER 30-INCH TYPE K SPECIAL (4-INCH CURB HEAD HEIGHT) LF	(SPV.0090.02) CONCRETE CURB & GUTTER 30-INCH TYPE K SPECIAL (2-INCH CURB HEAD HEIGHT) LF	(601.0600) CONCRETE CURB PEDESTRIAN LF	(650.5500) CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	17+54	20+38	LT	299	29	18	-	-	29
	17+58	20+50	RT	337	-	-	-	-	-
	20+33	20+37	RT	-	-	-	-	6	6
	20+74	23+66	LT	333	39	9	-	-	39
	20+95	23+90	RT	354	-	8	-	-	-
	24+17	27+04	LT	354	50	7	-	-	50
	24+26	27+28	RT	351	59	4	6	-	59
	27+43	31+17	LT	413	21	-	-	-	21
	27+54	30+38	RT	352	19	-	4	-	19
	27+59	27+75	RT	-	-	-	-	34	34
	30+70	32+11	RT	181	-	-	-	-	-
	30+89	31+09	RT	-	-	-	-	31	31
	31+44	32+55	LT	136	7	-	-	-	7
	31+43	31+49	LT	-	-	-	-	6	6
	32+34	32+55	RT	57	-	-	-	-	-
	PROJECT TOTALS			**3,167**	**224**	**46**	**10**	**77**	**301**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

NOTE: QUANTITY FOR BASE AGGREGATE DENSE 1 1/4-INCH UNDER THE CURB & GUTTER IS INCLUDED WITH THE CONCRETE PAVEMENT BID ITEMS.

PROPERTY CORNERS

CATEGORY	DESCRIPTION	(SPV.0060.49) LOCATE AND REFERENCE PROPERTY CORNERS EACH	(SPV.0060.50) RESET PROPERTY CORNERS EACH
0010	PROJECT 5990-01-41	15	15
	PROJECT TOTALS	**15**	**15**

CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	* (602.0410) CONCRETE SIDEWALK 5-INCH SF	* (602.0415) CONCRETE SIDEWALK 6-INCH SF	(SPV.0165.01) CONCRETE SIDEWALK 5-INCH, COLORED, DARK GOLD SF	(SPV.0165.02) CONCRETE SIDEWALK 6-INCH, COLORED, DARK GOLD SF	(602.0515) CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	(602.0615) CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	(650.9000) CONSTRUCTION STAKING CURB RAMPS EACH	(650.9500.01) CONSTRUCTION STAKING SIDEWALK EACH
0010	17+55	20+37	LT	100	865	345	1,490	-	20	29.18	4	-
	17+58	20+49	RT	64	550	245	740	-	32	15.31	4	-
	20+74	23+79	LT	88	850	535	985	165	32	14.93	4	-
	20+90	23+90	RT	91	705	280	1,275	95	44	-	4	-
	24+10	27+14	LT	59	560	475	175	110	30	11.44	4	-
	24+23	27+27	RT	46	245	345	-	-	20	26.90	4	-
	27+47	30+92	LT	44	240	335	-	-	-	51.92	4	-
	27+51	30+40	RT	43	100	375	-	-	30	10.96	4	-
	30+83	31+74	RT	17	340	20	-	-	10	11.70	2	-
	31+39	32+02	LT	12	50	170	-	-	10	12.53	2	-
	31+95	32+08	RT	2	75	-	-	-	-	-	-	-
	32+27	32+55	RT	6	-	135	-	-	10	-	1	-
		PROJECT 5990-01-41		-	-	-	-	-	-	-	-	1
		PROJECT TOTALS		**573**	**4,580**	**3,260**	**4,665**	**370**	**238**	**184.87**	**37**	**1**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONCRETE SIDEWALK (NON-PARTICIPATING)

CATEGORY	STATION	TO STATION	LOCATION	* (602.0410) CONCRETE SIDEWALK 5-INCH SF	* (602.0415) CONCRETE SIDEWALK 6-INCH SF
0020	17+55	20+37	LT	1,240	90
	17+58	20+49	RT	975	95
	20+75	23+79	LT	945	90
	20+90	23+90	RT	1,305	35
	24+10	27+14	LT	990	70
	24+23	27+27	RT	1,210	45
	27+47	30+92	LT	1,085	115
	27+51	30+40	RT	1,215	50
	30+83	31+74	RT	195	130
	31+39	32+02	LT	250	25
	31+95	32+08	RT	-	-
	32+27	32+55	RT	55	65
		PROJECT TOTALS		**9,465**	**810**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

NOTE: BASE AGGREGATE DENSE 1 1/4-INCH UNDER THE SIDEWALK IS PAID FOR UNDER CATEGORY 0010

			STORM SEWER PIPE REINFORCED CONCRETE												
			(608.0312) CLASS III	(608.0315) CLASS III	(608.0318) CLASS III	(608.0324) CLASS III	(608.0330) CLASS III	(608.0336) CLASS III	(608.0348) CLASS III	(608.0412) CLASS IV	(608.0415) CLASS IV	(608.0418) CLASS IV	(608.6008) STORM SEWER PIPE COMPOSITE 8-INCH	(608.6012) STORM SEWER PIPE COMPOSITE 12-INCH	(520.8000) CONCRETE COLLARS FOR PIPE
CATEGORY	FROM STRUCTURE ID	TO STRUCTURE ID	12-INCH LF	15-INCH LF	18-INCH LF	24-INCH LF	30-INCH LF	36-INCH LF	48-INCH LF	12-INCH LF	15-INCH LF	18-INCH LF	LF	LF	EACH
0010	EXISTING	1.1	-	-	-	-	-	-	50	-	-	-	-	-	1
	1.1	1.2	-	-	-	-	-	121	-	-	-	-	-	-	-
	1.1	1.1A	-	-	-	-	-	-	-	36	-	-	-	-	-
	1.1	1.1B	8	-	-	-	-	-	-	-	-	-	-	-	-
	1.1A	1.1C	-	-	-	-	-	-	-	41	-	-	-	-	-
	1.1B	1.1D	10	-	-	-	-	-	-	-	-	-	-	-	-
	1.2	1.3	-	-	-	-	-	140	-	-	-	-	-	-	-
	1.3	2.1	-	-	-	-	218	-	-	-	-	-	-	-	-
	1.3	1.3A	-	-	-	-	-	-	-	-	55	-	-	-	-
	1.3	1.3E	-	-	-	-	-	-	-	-	30	-	-	-	-
	1.3A	1.3B	-	-	-	-	-	-	-	-	39	-	-	-	-
	1.3B	1.3C	42	-	-	-	-	-	-	-	-	-	-	-	-
	1.3B	1.3H	21	-	-	-	-	-	-	-	-	-	-	-	-
	1.3C	1.3D	52	-	-	-	-	-	-	-	-	-	-	-	-
	1.3E	1.3F	-	-	-	-	-	-	-	40	-	-	-	-	-
	1.3F	1.3G	35	-	-	-	-	-	-	-	-	-	-	-	-
	2.1	2.2	-	-	-	-	155	-	-	-	-	-	-	-	-
	2.1	2.1A	33	-	-	-	-	-	-	-	-	-	-	-	-
	2.1	2.1B	8	-	-	-	-	-	-	-	-	-	-	-	-
	2.1A	EX.2A	5	-	-	-	-	-	-	-	-	-	-	-	1
	2.2	2.3	-	-	-	-	45	-	-	-	-	-	-	-	-
	2.2	2.2A	-	-	-	-	-	-	-	-	55	-	-	-	-
	2.2	2.2C	-	29	-	-	-	-	-	-	-	-	-	-	-
	2.2A	2.2B	-	-	-	-	-	-	-	37	-	-	-	-	-
	2.2C	2.2D	-	-	-	-	-	-	-	30	-	-	-	-	-
	2.3	2.4	-	-	-	-	125	-	-	-	-	-	-	-	-
	2.3	2.3A	-	-	-	-	-	-	-	39	-	-	-	-	-
	2.3	EX.2C	-	-	-	-	-	-	-	-	-	-	4	-	-
	2.4	2.5	-	-	-	122	-	-	-	-	-	-	-	-	-
	2.4	2.4A	40	-	-	-	-	-	-	-	-	-	-	-	-
	2.4	EXISTING	-	-	-	-	-	-	-	-	-	-	-	12	-
	2.4A	EX.2D	5	-	-	-	-	-	-	-	-	-	-	-	1
	2.5	3.1	-	-	-	198	-	-	-	-	-	-	-	-	-
	2.5	2.5A	-	-	-	-	-	-	-	-	-	58	-	-	-
	2.5	2.5E	-	-	-	-	-	-	-	-	-	36	-	-	-
	2.5A	2.5B	-	-	-	-	-	-	-	-	25	-	-	-	-
	2.5A	2.5C	-	-	-	-	-	-	-	31	-	-	-	-	-
	2.5C	2.5D	40	-	-	-	-	-	-	-	-	-	-	-	-
	2.5E	2.5F	-	-	-	-	-	-	-	-	-	22	-	-	-
	2.5F	2.5G	-	-	19	-	-	-	-	-	-	-	-	-	-
	2.5G	2.5H	17	-	-	-	-	-	-	-	-	-	-	-	-
	3.1	3.2	-	-	-	160	-	-	-	-	-	-	-	-	-
	3.1	3.1A	44	-	-	-	-	-	-	-	-	-	-	-	-
	3.1A	3.1B	85	-	-	-	-	-	-	-	-	-	-	-	-
	3.2	3.3	-	-	-	70	-	-	-	-	-	-	-	-	-
	3.2	3.2A	-	-	-	-	-	-	-	-	-	66	-	-	-
	3.2	3.2G	-	32	-	-	-	-	-	-	-	-	-	-	-
	3.2A	3.2B	-	-	-	-	-	-	-	51	-	-	-	-	-
	3.2A	3.2C	-	-	-	-	-	-	-	-	-	49	-	-	-
	3.2C	3.2D	-	-	-	-	-	-	-	10	-	-	-	-	-
	3.2C	3.2E	-	23	-	-	-	-	-	-	-	-	-	-	-
	3.2E	3.2F	48	-	-	-	-	-	-	-	-	-	-	-	-
	3.2G	3.2H	40	-	-	-	-	-	-	-	-	-	-	-	-
	3.3	3.4	-	-	-	68	-	-	-	-	-	-	-	-	-
	3.4	3.4A	-	-	47	-	-	-	-	-	-	-	-	-	-
	3.4A	3.4B	-	27	-	-	-	-	-	-	-	-	-	-	-
	3.4A	3.4D	10	-	-	-	-	-	-	-	-	-	-	-	-
	3.4B	3.4C	8	-	-	-	-	-	-	-	-	-	-	-	-
PROJECT TOTALS			**551**	**111**	**66**	**618**	**543**	**261**	**50**	**315**	**204**	**231**	**4**	**12**	**3**

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(611.2004) MANHOLES 4-FT DIAMETER EACH	(611.2005) MANHOLES 5-FT DIAMETER EACH	(611.2006) MANHOLES 6-FT DIAMETER EACH	(611.2007) MANHOLES 7-FT DIAMETER EACH	(611.3004) INLETS 4-FT DIAMETER EACH	(611.3230) INLETS 2x3-FT EACH	(SPV.0060.01) MANHOLE COVER TYPE SPECIAL LOGO EACH	(SPV.0060.02) INLET COVER TYPE H SPECIAL LOGO EACH	(SPV.0060.03) INLET COVER TYPE H SPECIAL LOGO LP EACH	(650.4000) CONSTRUCTION STAKING STORM SEWER EACH	TOP OF STRUCTURE ELEVATION	BOX DEPTH FEET	RIM ELEVATION	INVERT
0010	1.1	17+84.00	13.25' RT	-	-	-	1	-	-	1	-	-	1	776.54	7.20	777.79	769.34
	1.1A	17+84.00	22.50' LT	-	-	-	-	-	1	-	1	-	1	776.74	2.30	777.95	774.44
	1.1B	17+84.00	21.00' RT	-	-	-	-	-	1	-	1	-	1	776.40	3.59	777.61	772.81
	1.1C	18+25.00	22.50' LT	-	-	-	-	-	1	-	1	-	1	778.03	3.38	779.24	774.65
	1.1D	17+94.00	21.00' RT	-	-	-	-	-	1	-	1	-	1	776.66	3.65	777.87	773.01
	1.2	19+05.00	20.37' RT	-	1	-	-	-	-	-	1	-	1	780.93	4.60	782.14	776.33
	1.3	20+45.00	12.00' RT	-	1	-	-	-	-	1	-	-	1	786.93	4.93	788.18	782.00
	1.3A	20+37.83	42.76' LT	-	-	-	-	1	-	-	1	-	1	787.65	2.37	788.36	785.28
	1.3B	20+76.61	42.76' LT	-	-	-	-	1	-	-	1	-	1	789.64	3.40	790.35	786.24
	1.3C	21+11.00	19.50' LT	-	-	-	-	-	1	-	1	-	1	789.74	3.04	790.95	786.70
	1.3D	21+63.50	19.50' LT	-	-	-	-	-	1	-	1	-	1	791.53	4.57	792.74	786.96
	1.3E	20+47.10	41.50' RT	-	-	-	-	1	-	-	1	-	1	786.93	2.74	788.14	784.19
	1.3F	20+87.02	44.79' RT	-	-	-	-	-	1	-	-	1	1	788.45	3.81	789.66	784.64
	1.3G	21+11.00	19.50' RT	-	-	-	-	-	1	-	1	-	1	789.18	4.37	790.39	784.81
	1.3H	20+73.92	63.80' LT	-	-	-	-	1	-	-	-	1	1	789.98	3.38	789.98	786.60
	2.1	22+63.00	12.00' RT	-	1	-	-	-	-	1	-	-	1	794.54	5.04	795.79	789.50
	2.1A	22+54.50	19.50' LT	-	-	-	-	-	1	-	1	-	1	794.46	4.80	795.67	789.66
	2.1B	22+63.00	19.50' RT	-	-	-	-	-	1	-	1	-	1	794.40	3.36	795.61	791.04
	2.2	24+18.00	13.50' RT	-	1	-	-	-	-	1	-	-	1	800.21	4.49	801.46	795.72
	2.2A	24+09.89	40.55' LT	-	-	-	-	1	-	-	-	1	1	800.59	2.39	801.80	798.20
	2.2B	23+75.39	53.48' LT	-	-	-	-	-	1	-	1	-	1	800.02	1.64	801.23	798.38
	2.2C	24+19.97	42.00' RT	-	-	-	-	1	-	-	-	1	1	800.55	3.43	801.76	797.12
	2.2D	23+89.59	44.26' RT	-	-	-	-	-	1	-	1	-	1	799.44	1.92	800.65	797.52
	2.3	24+63.00	19.50' RT	-	1	-	-	-	-	-	1	-	1	801.77	4.26	802.98	797.51
	2.3A	24+64.50	19.50' LT	-	-	-	-	-	1	-	1	-	1	801.83	2.03	803.04	799.80
	2.4	25+88.00	19.50' RT	-	1	-	-	-	-	-	1	-	1	807.38	4.54	808.59	802.84
	2.4A	25+78.00	19.50' LT	-	-	-	-	-	1	-	1	-	1	806.89	3.85	808.10	803.04
	2.5	27+09.50	12.00' RT	-	1	-	-	-	-	1	-	-	1	814.18	3.48	815.43	810.70
	2.5A	27+14.64	45.73' LT	-	-	-	-	1	-	-	1	-	1	814.76	2.30	815.97	812.46
	2.5B	27+06.17	69.17' LT	-	-	-	-	1	-	-	1	-	1	815.71	2.10	816.92	813.61
	2.5C	27+46.08	44.54' LT	-	-	-	-	-	1	-	-	1	1	816.98	4.11	818.19	812.87
	2.5D	27+76.00	18.50' LT	-	-	-	-	-	1	-	1	-	1	817.96	3.89	819.17	814.07
	2.5E	27+27.83	42.62' RT	-	-	-	-	1	-	-	1	-	1	815.37	2.26	816.58	813.11
	2.5F	27+49.77	42.44' RT	-	-	-	-	1	-	-	-	1	1	816.97	2.51	818.18	814.46
	2.5G	27+67.31	35.93' RT	1	-	-	-	-	-	1	-	-	1	817.75	3.01	819.00	814.74
	2.5H	27+76.00	20.50' RT	-	-	-	-	-	1	-	1	-	1	818.02	2.69	819.23	815.33
	3.1	29+00.00	22.80' RT	-	-	1	-	-	-	-	1	-	1	825.79	3.99	827.00	821.80
	3.1A	29+15.81	18.57' LT	-	-	-	-	-	1	-	1	-	1	826.60	3.36	827.81	823.24
	3.1B	30+02.50	17.50' LT	-	-	-	-	-	1	-	1	-	1	832.20	3.62	833.41	828.58
	3.2	30+55.50	20.00' RT	1	-	-	-	-	-	1	-	-	1	836.63	4.13	837.88	832.50
	3.2A	30+89.05	37.13' LT	-	1	-	-	-	-	-	1	-	1	836.92	2.52	838.13	834.40
	3.2B	31+15.10	80.65' LT	-	-	-	-	-	1	-	1	-	1	837.52	1.94	838.73	835.58
	3.2C	31+38.00	33.12' LT	-	-	-	-	1	-	-	1	-	1	840.18	3.73	841.39	836.45
	3.2D	31+38.77	43.16' LT	-	-	-	-	-	1	-	-	1	1	839.08	2.08	840.29	837.00
	3.2E	31+56.56	19.25' LT	-	-	-	-	1	-	-	1	-	1	841.85	3.53	843.06	838.32
	3.2F	32+04.50	19.25' LT	-	-	-	-	-	1	-	1	-	1	844.39	2.47	845.60	841.92
	3.2G	30+40.39	47.70' RT	-	-	-	-	1	-	-	1	-	1	837.38	2.94	838.59	834.44
	3.2H	30+80.22	53.02' RT	-	-	-	-	-	1	-	-	1	1	840.46	2.96	841.67	837.50
	3.3	31+25.05	26.76' RT	-	-	-	-	1	-	-	1	-	1	841.30	4.30	842.51	837.00
	3.4	31+82.88	62.19' RT	-	-	-	-	1	-	-	1	-	1	844.65	5.78	845.86	838.87
	3.4A	32+26.30	44.85' RT	-	-	-	-	1	-	-	1	-	1	846.42	6.82	847.63	839.60
	3.4B	32+41.51	22.65' RT	-	-	-	-	1	-	-	-	1	1	846.26	3.02	847.47	843.24
	3.4C	32+49.24	22.03' RT	-	-	-	-	-	1	-	1	-	1	846.66	3.02	847.87	843.64
	3.4D	32+30.05	54.03' RT	-	-	-	-	-	1	-	1	-	1	846.47	3.47	847.68	843.00
	PROJECT TOTALS			**2**	**8**	**1**	**1**	**17**	**25**	**7**	**38**	**9**	**54**				

3

ADJUSTING STORM SEWER CLEAN OUT

CATEGORY	STATION	LOCATION	(SPV.0060.26) ADJUSTING STORM SEWER CLEAN OUT EACH
0010	18+18.7	31.1' RT	1
PROJECT TOTAL			**1**

CONCRETE PIPE SUPPORT

CATEGORY	STATION	LOCATION	(SPV.0060.15) CONCRETE PIPE SUPPORT EACH
0010	30+79	22' RT	1
	32+07	53' RT	1
	UNDISTRIBUTED		2
PROJECT TOTAL			**4**

RECONNECT STORM SEWER LATERALS

CATEGORY	STATION	LOCATION	(SPV.0060.04) RECONNECT STORM SEWER LATERALS EACH	LATERAL CONNECTION LOCATION
0010	18+25.00	22.50' LT	1	STRUCTURE 1.1C
	20+76.61	42.76' LT	1	STRUCTURE 1.3B
	20+87.02	44.79' RT	1	STRUCTURE 1.3F
	21+63.32	12.00' RT	1	30-INCH RCP STORM SEWER PIPE (PIPE TAP)
	21+63.50	19.50' LT	1	STRUCTURE 1.3D
	22+63.00	19.50' RT	1	STRUCTURE 2.1B
	23+57.62	12.70' RT	1	30-INCH RCP STORM SEWER PIPE (PIPE TAP)
	24+64.50	19.50' LT	1	STRUCTURE 2.3A
	25+51.08	19.50' RT	1	30-INCH RCP STORM SEWER PIPE (PIPE TAP)
	27+76.00	18.50' LT	1	STRUCTURE 2.5D
	32+41.51	22.65' RT	1	STRUCTURE 3.4B
	UNDISTRIBUTED		3	
PROJECT TOTAL			**14**	

TEMPORARY STORM SEWER CONNECTION

CATEGORY	STATION	LOCATION	(SPV.0060.14) TEMPORARY STORM SEWER CONNECTION EACH
0010	UNDISTRIBUTED		5
PROJECT TOTAL			**5**

UTILITY LINE OPENING (ULO)

CATEGORY	STATION	LOCATION	(SPV.0060.16) UTILITY LINE OPENING (ULO) EACH	UTILITY
0010	20+44	47' RT	1	ELECTRIC
	20+79	55' LT	1	GAS
	24+65	20' LT	1	FIBER
	25+82	25' LT	1	FIBER
	26+81	25' RT	1	GAS
	27+50	42' RT	1	GAS
	28+45	25' RT	1	GAS
	28+97	27' RT	1	GAS
	30+28	29' RT	1	GAS
	30+40	48' RT	1	GAS
	30+80	32' LT	1	GAS & FIBER
	30+92	50' LT	1	GAS
	31+55	23' LT	1	GAS
	31+85	24' LT	1	GAS
	UNDISTRIBUTED		3	
PROJECT TOTAL			**17**	

COVER PLATES TEMPORARY

CATEGORY	DESCRIPTION	(611.8120.S) COVER PLATES TEMPORARY EACH
0010	UNDISTRIBUTED	3
PROJECT TOTAL		**3**

FINISHING ITEMS

CATEGORY	STATION	TO STATION	LOCATION	(625.0100) TOPSOIL SY	(629.0210) FERTILIZER TYPE B CWT	(631.1000) SOD LAWN SY	(631.0300) SOD WATER MGAL	NOTES
0010	21+55	22+08	RT	14	0.01	14	0.8	BEHIND SIDEWALK
	23+24	23+51	RT	7	0.00	7	0.4	BEHIND SIDEWALK
	24+21	24+48	RT	148	0.09	148	8.4	TERRACE
	24+39	25+45	LT	80	0.05	80	4.5	TERRACE
	24+44	26+87	RT	189	0.12	189	10.7	TERRACE
	24+46	25+62	RT	71	0.04	71	4.0	BEHIND SIDEWALK
	25+70	25+94	LT	17	0.01	17	1.0	TERRACE
	26+10	26+30	LT	14	0.01	14	0.8	TERRACE
	26+44	27+02	LT	45	0.03	45	2.6	TERRACE
	26+44	27+00	LT	9	0.01	9	0.5	BEHIND SIDEWALK
	26+95	27+14	LT	45	0.03	45	2.6	TERRACE
	27+09	27+15	RT	2	0.00	2	0.1	TERRACE
	27+11	27+18	RT	14	0.01	14	0.8	BEHIND SIDEWALK
	27+21	27+27	RT	6	0.00	6	0.3	TERRACE
	27+44	27+52	LT	17	0.01	17	0.9	TERRACE
	27+50	27+55	RT	4	0.00	4	0.2	TERRACE
	27+54	27+61	LT	2	0.00	2	0.1	TERRACE
	27+55	27+58	RT	1	0.00	1	0.1	TERRACE
	27+56	28+01	LT	4	0.00	4	0.2	BEHIND SIDEWALK
	27+56	27+63	RT	2	0.00	2	0.1	TERRACE
	27+61	27+77	RT	11	0.01	11	0.6	TEMPORARY DRIVEWAY RESTORATION
	27+66	28+81	LT	69	0.04	69	3.9	TERRACE
	27+69	28+62	RT	62	0.04	62	3.5	TERRACE
	28+06	28+29	LT	5	0.00	5	0.3	BEHIND SIDEWALK
	28+09	28+62	RT	8	0.00	8	0.4	BEHIND SIDEWALK
	28+84	30+28	RT	116	0.07	116	6.6	TERRACE
	28+84	30+25	RT	77	0.05	77	4.4	BEHIND SIDEWALK
	29+11	30+11	LT	68	0.04	68	3.8	TERRACE
	29+22	29+56	LT	17	0.01	17	1.0	BEHIND SIDEWALK
	29+68	30+05	LT	31	0.02	31	1.7	BEHIND SIDEWALK
	30+22	30+40	RT	29	0.02	29	1.6	TERRACE
	30+41	30+68	LT	16	0.01	16	0.9	TERRACE
	30+70	30+91	RT	19	0.01	19	1.1	TERRACE
	30+78	30+95	LT	12	0.01	12	0.7	TERRACE
	30+94	31+63	RT	57	0.04	57	3.2	TERRACE
	31+07	31+16	LT	4	0.00	4	0.2	TERRACE
	31+39	31+49	LT	6	0.00	6	0.3	TERRACE
	31+44	31+85	LT	20	0.01	20	1.1	TERRACE
	31+46	32+05	LT	42	0.03	42	2.4	BEHIND SIDEWALK
	31+65	32+11	RT	45	0.03	45	2.6	TERRACE
	31+90	31+96	LT	2	0.00	2	0.1	TERRACE
	32+02	32+68	LT	38	0.02	38	2.2	TERRACE
	32+27	32+41	RT	12	0.01	12	0.7	TERRACE
	32+33	32+55	RT	10	0.01	10	0.6	TERRACE
	UNDISTRIBUTED			134	0.08	134	8.1	
	PROJECT TOTALS			**1,600**	**1.00**	**1,600**	**91.0**	

WATER

CATEGORY	DESCRIPTION	(624.0100) WATER MGAL
0010	PROJECT 5990-01-41	60
	PROJECT TOTAL	**60**

NOTE: WATER BID ITEM TO BE USED FOR BASE AGGREGATE COMPACTION

MOBILIZATIONS EROSION CONTROL

CATEGORY	DESCRIPTION	(628.1905) MOBILIZATIONS EROSION CONTROL EACH	(628.1910) MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	PROJECT 5990-01-41	12	6
	PROJECT TOTALS	**12**	**6**

TRACKING PADS

CATEGORY	DESCRIPTION	(628.7560) TRACKING PADS EACH
0010	E. MILWAUKEE STREET/MAIN STREET	1
	MILTON AVENUE	1
	UNDISTRIBUTED	1
	PROJECT TOTAL	**3**

INLET PROTECTION TYPE D

CATEGORY	STATION	LOCATION	(628.7020) INLET PROTECTION TYPE D EACH	NOTES
0010	FIRST INLETS SOUTHWEST OF PROJECT LIMITS		2	EXISTING
	17+05	RT	1	EXISTING
	17+08	RT	1	EXISTING
	17+09	RT	1	EXISTING
	SOUTH SIDE N. MAIN ST. & E. WALL ST. INTERSECTION		2	EXISTING
	S. MAIN ST., FIRST INLET SOUTHEAST OF PROJECT LIMITS		1	EXISTING
	17+83	LT	1	EXISTING
	17+84	LT	1	PROPOSED
	17+84	RT	1	PROPOSED
	17+85	RT	1	EXISTING
	17+92	LT	1	EXISTING
	17+94	RT	1	PROPOSED
	18+01	RT	1	EXISTING
	18+25	LT	1	PROPOSED
	19+05	LT	1	EXISTING
	19+05	RT	1	PROPOSED
	19+08	RT	1	EXISTING
	20+38	LT	1	PROPOSED
	20+38	LT	1	EXISTING
	20+47	RT	1	EXISTING
	20+47	RT	1	PROPOSED
	20+74	LT	1	PROPOSED
	20+77	LT	1	PROPOSED
	20+79	LT	1	EXISTING
	20+87	RT	1	PROPOSED
	20+92	RT	1	EXISTING
	21+11	LT	1	PROPOSED
	21+11	RT	1	PROPOSED
	21+15	LT	1	EXISTING
	21+30	RT	1	EXISTING
	21+64	LT	1	PROPOSED
	22+55	LT	1	EXISTING
	22+55	LT	1	PROPOSED
	22+63	RT	1	EXISTING
	22+63	RT	1	PROPOSED
	23+58	RT	1	EXISTING
	23+75	LT	1	PROPOSED
	23+80	LT	1	EXISTING
	23+90	RT	1	EXISTING
	23+90	RT	1	PROPOSED
	24+10	LT	1	PROPOSED
	24+11	LT	1	EXISTING
	24+20	RT	1	PROPOSED
	24+21	RT	1	EXISTING
	24+32	LT	1	EXISTING
	24+63	RT	1	PROPOSED
	24+64	RT	1	EXISTING
	24+65	LT	1	PROPOSED
	25+77	LT	1	EXISTING
	25+78	LT	1	EXISTING
	25+78	LT	1	PROPOSED
	25+88	RT	1	EXISTING
	25+88	RT	1	PROPOSED
	27+06	LT	1	PROPOSED
	27+09	LT	1	EXISTING

(CONTINUED)

INLET PROTECTION TYPE D (CONTINUED)

CATEGORY	STATION	LOCATION	(628.7020) INLET PROTECTION TYPE D EACH	NOTES
0010	27+15	LT	1	PROPOSED
	27+27	RT	1	EXISTING
	27+28	RT	1	PROPOSED
	27+46	LT	1	EXISTING
	27+46	LT	1	EXISTING
	27+46	LT	1	PROPOSED
	27+50	RT	1	PROPOSED
	27+51	RT	1	EXISTING
	27+68	LT	1	EXISTING
	27+76	LT	1	PROPOSED
	27+76	RT	1	PROPOSED
	28+95	RT	1	EXISTING
	29+00	RT	1	PROPOSED
	29+16	LT	1	PROPOSED
	29+41	LT	1	EXISTING
	30+03	LT	1	PROPOSED
	30+40	RT	1	PROPOSED
	30+40	RT	1	EXISTING
	30+80	RT	1	PROPOSED
	30+85	RT	1	EXISTING
	30+87	LT	1	EXISTING
	30+89	LT	1	PROPOSED
	31+15	LT	1	EXISTING
	31+15	LT	1	PROPOSED
	31+25	RT	1	PROPOSED
	31+38	LT	1	PROPOSED
	31+39	LT	1	EXISTING
	31+39	LT	1	PROPOSED
	31+56	RT	1	EXISTING
	31+57	LT	1	PROPOSED
	31+74	LT	1	EXISTING
	31+79	LT	1	EXISTING
	31+83	RT	1	PROPOSED
	32+05	LT	1	PROPOSED
	32+26	RT	1	PROPOSED
	32+27	RT	1	EXISTING
	32+29	RT	1	EXISTING
	32+30	RT	1	PROPOSED
	32+36	RT	1	EXISTING
	32+41	RT	1	EXISTING
	32+42	RT	1	PROPOSED
	32+49	RT	1	PROPOSED
	UNDISTRIBUTED		1	
	PROJECT TOTAL		**100**	

BICYLE RACKS, TRASH RECEPTABLES, BENCHES AND PLANTERS

CATEGORY	STATION	LOCATION	(SPV.0060.37) BICYCLE RACK EACH	(SPV.0060.36) BENCH, 6-FOOT, BACKED EACH	(SPV.0060.38) BENCH, 6-FOOT, BACKLESS EACH	(SPV.0060.39) TRASH RECEPTACLE EACH	(SPV.0060.18) ROUND CONCRETE PLANTER 36-INCH X 30-INCH EACH	(SPV.0060.19) ROUND CONCRETE PLANTER 30-INCH X 30-INCH EACH	* (SPV.0035.01) PLANTING SOIL MIX CY
0010	17+96	RT	-	-	-	-	-	1	0.45
	18+04	LT	1	-	-	-	-	-	-
	18+11	RT	1	-	-	-	-	-	-
	18+29	LT	-	-	-	-	-	1	0.45
	18+52	RT	-	-	1	-	-	-	-
	18+57	LT	-	-	1	-	-	-	-
	18+75	RT	-	-	-	-	1	-	0.65
	19+09	LT	-	-	-	-	1	-	0.65
	19+46	RT	-	-	-	1	-	-	-
	19+56	RT	-	-	-	-	-	1	0.45
	19+65	LT	-	1	-	-	-	-	-
	19+73	LT	-	1	-	-	-	-	-
	19+81	LT	-	-	-	1	-	-	-
	19+87	LT	-	-	-	-	-	1	0.45
	21+46	LT	-	-	-	1	-	-	-
	21+49	RT	-	-	-	1	-	-	-
	21+57	RT	-	-	-	-	1	-	0.65
	21+69	LT	1	-	-	-	-	-	-
	21+80	LT	-	-	-	-	1	-	0.65
	22+16	RT	-	-	1	-	-	-	-
	22+35	RT	-	-	-	-	-	1	0.45
	22+63	LT	-	-	-	-	-	1	0.45
	22+80	LT	-	-	1	-	-	-	-
	22+96	RT	1	-	-	-	-	-	-
	23+07	RT	-	-	-	1	-	-	-
	23+15	RT	-	-	-	-	1	-	0.65
	23+53	LT	-	-	-	-	1	-	0.65
PROJECT TOTALS			**4**	**2**	**4**	**5**	**6**	**6**	**7**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

RAISED PLANTERS

CATEGORY	WALL NO.	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(SPV.0090.03) CONCRETE PLANTER WALL 8-INCH LF	(SPV.0090.04) CONCRETE PLANTER WALL 12-INCH LF	(SPV.0090.05) CONCRETE SLOPED CURB SPECIAL LF	* (SPV.0035.01) PLANTING SOIL MIX CY	* (SPV.0180.01) SHREDDED HARDWOOD BARK MULCH SY
0010	1	19+95	20+20	LT	6	11	25	25	11	14
	2	19+95	20+20	RT	6	10	25	25	9	11
	3	20+25	20+37	RT	3	17	-	16	3	3
	4	21+05	21+45	LT	9	11	40	40	16	19
	5	21+05	21+45	RT	5	11	17	19	10	12
	6	20+91	20+98	RT	9	9	40	40	13	15
	7	23+21	23+61	RT	9	9	40	40	13	15
	8	23+66	23+79	RT	3	18	-	17	3	3
PROJECT TOTALS					**50**	**96**	**187**	**222**	**76**	**92**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TREES

CATEGORY	STATION	LOCATION	(632.0101.01) BUCKEYE, EARLY GLOW, 2.5" CAL., B&B EACH	(632.0101.02) COMMON HACKBERRY, 2.5" CAL., B&B EACH	(632.0101.03) HARVEST GOLD CRABAPPLE, 'HARGOZAM', 2.5" CAL., B&B EACH	(632.0101.04) AMERICAN HOPHORNBEAM, 2.5" CAL., B&B EACH	(632.0101.05) AMUR CHOKECHERRY, 2.5" CAL., B&B EACH	(632.0101.06) SARGENT'S CHERRY, 2.5" CAL., B&B EACH	(632.0101.07) JAPANESE TREE LILAC, 'IVORY SILK', 2.5" CAL., B&B EACH	(632.0101.08) ELM, ACCOLADE, 2.5" CAL., B&B EACH	(632.0101.09) TRIUMPH ELM, 'MORTON GLOSSY', 2.5" CAL., B&B EACH	(SPV.0060.17) TREE GRATE EACH	* (SPV.0180.01) SHREDDED HARWOOD BARK MULCH SY
0010	18+32	RT	-	-	-	-	1	-	-	-	-	1	3.56
	18+79	LT	-	-	-	-	-	-	-	-	1	1	3.56
	18+96	RT	-	-	-	-	-	-	-	-	1	1	3.56
	19+51	LT	-	-	-	-	1	-	-	-	-	1	3.56
	21+58	LT	1	-	-	-	-	-	-	-	-	1	3.56
	21+93	RT	-	-	-	1	-	-	-	-	-	1	3.56
	22+40	LT	-	-	-	1	-	-	-	-	-	1	3.56
	22+73	RT	1	-	-	-	-	-	-	-	-	1	3.56
	22+96	LT	-	-	-	-	-	-	-	1	-	1	3.56
	24+59	LT	-	-	-	-	-	-	1	-	-	-	2.48
	24+82	RT	-	-	-	-	-	-	-	1	-	-	2.48
	25+14	LT	-	-	-	-	-	-	1	-	-	-	2.48
	25+41	RT	-	1	-	-	-	-	-	-	-	-	2.48
	26+00	RT	-	-	-	-	-	1	-	-	-	-	2.48
	26+59	RT	-	-	-	-	-	1	-	-	-	-	2.48
	27+88	RT	-	-	-	-	-	-	-	-	1	-	2.48
	28+15	LT	-	-	1	-	-	-	-	-	-	-	2.48
	28+45	RT	-	1	-	-	-	-	-	-	-	-	2.48
	29+38	LT	-	-	-	-	1	-	-	-	-	-	2.48
	29+85	LT	-	-	1	-	-	-	-	-	-	-	2.48
PROJECT TOTALS			**2**	**2**	**2**	**2**	**3**	**2**	**2**	**2**	**3**	**9**	**59.32**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PLANTING BEDS (SHRUBS AND PERENNIALS)

CATEGORY	PLANTER NO.	STATION	TO STATION	LOCATION	(632.0201.01) BLACK CHOKEBERRY, IROQUOIS BEAUTY, 3 GAL., CG EACH	(632.0201.02) FORSYTHIA, GOLD TIDE, 3 GAL., CG EACH	(632.0201.03) ST. JOHN'S WORT, COBALT-N-GOLD, 3 GAL., CG EACH	(632.0201.04) ALPINE CURRANT, GREEN MOUND, 3 GAL., CG EACH	(632.0201.05) JAPANESE SPIREA, ANTHONY WATERER, 3 GAL., CG EACH	(632.0201.06) WEIGELA, MINUET, 3 GAL., CG EACH	(SPV.0060.20) PERENNIALS, BLUESTAR, BLUE ICE, 1 GAL., CG EACH	(SPV.0060.21) PERENNIALS, LILYTURF, BIG BLUE, 1 GAL., CG EACH	(SPV.0060.22) PERENNIALS, MOSS PHLOX, DRUMMOND'S PINK, 4" POT, CG EACH	(SPV.0060.23) PERENNIALS, MOSS PHLOX, SNOWFLAKE, 4" POT, CG EACH	(SPV.0060.24) PERENNIALS, SWITCHGRASS, SHENANDOAH, 1 GAL., CG EACH	(SPV.0060.25) PERENNIALS, LITTLE BLUESTEM, 1 GAL., CG EACH
0010	1	19+95	20+20	LT	-	-	2	4	-	-	-	4	-	-	-	-
	2	19+95	20+20	RT	-	-	2	4	-	-	-	4	-	-	-	-
	3	20+25	20+37	RT	-	-	-	-	-	-	-	-	5	7	-	-
	4	21+05	21+45	LT	-	4	-	-	-	-	14	-	-	-	7	-
	5	21+05	21+45	RT	-	4	-	-	-	-	8	-	-	-	7	-
	6	20+91	20+98	RT	3	-	-	-	-	-	-	-	8	6	-	6
	7	23+21	23+61	RT	-	-	-	-	4	5	-	-	-	-	-	6
	8	23+66	23+79	RT	-	-	-	-	-	-	-	-	6	8	-	-
PROJECT TOTALS					**3**	**8**	**4**	**8**	**4**	**5**	**22**	**8**	**19**	**21**	**14**	**12**

NOTE: QUANTITIES FOR PLANTING SOIL MIX AND SHREDDED HARDWOOD BARK MULCH IN PLANTING BEDS ARE INCLUDED IN THE RAISED PLANTERS MISCELLANEOUS QUANTITIES TABLE.

3

LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES

CATEGORY	DESCRIPTION	(632.9101) LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES EACH
0010	PROJECT 5990-01-41	10
	PROJECT TOTAL	**10**

GRAVEL MULCH

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0180.02) GRAVEL MULCH SY
0010	20+31	20+37	RT	1
	27+59	28+01	RT	22
	28+31	28+77	LT	4
	PROJECT TOTAL			**27**

REMOVE, SALVAGE AND RESETTING DECORATIVE STONE

CATEGORY	STATION	LOCATION	(SPV.0060.48) REMOVE, SALVAGE AND RESETTING DECORATIVE STONE EACH
0020	27+65	40' RT	1
	PROJECT TOTAL		**1**

MOVING SIGNS TYPE II

CATEGORY	SIGN NO.	FROM STATION	TO STATION	LOCATION	(638.2102) MOVING SIGNS TYPE II EACH	(638.4000) MOVING SMALL SIGN SUPPORTS EACH	NOTES
0010	1-5	18+65	19+13	LT	1	-	ON STREET LIGHT POLE WITH SIGN 1.6
	3-12	30+85	30+85	RT	1	1	
	3-25	31+94	31+96	LT	1	1	
			PROJECT TOTALS		**3**	**2**	

REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	LOCATION	(638.2602) REMOVING SIGNS TYPE II EACH	(638.3000) REMOVING SMALL SIGN SUPPORTS EACH	NOTES
0010	E1-1	16+85	LT	1	-	ON TRAFFIC SIGNAL POLE
	E1-2	17+79	RT	1	-	ON TRAFFIC SIGNAL POLE
	E1-3	18+47	LT	1	1	
	E1-4	18+65	LT	1	-	ON STREET LIGHT POLE
	E1-5	19+43	RT	1	-	ON STREET LIGHT POLE
	E1-6	20+02	LT	1	1	
	E1-7	20+26	RT	1	-	ON TRAFFIC SIGNAL POLE
	E1-8	21+68	RT	1	1	
	E1-9	21+72	LT	1	1	
	E1-10	21+82	LT	1	-	ON STREET LIGHT POLE
	E2-1	22+75	RT	1	-	ON STREET LIGHT POLE
	E2-2	22+87	LT	1	1	
	E2-3	23+76	LT	1	1	
	E2-4	24+19	LT	1	1	
	E2-5	24+30	RT	1	1	
	E2-6	24+32	RT	1	1	
	E2-7	25+30	LT	1	-	ON STREET LIGHT POLE
	E2-8	26+75	RT	1	1	
	E2-9	27+06	LT	1	1	
	E2-10	27+17	RT	1	1	
	E2-11	27+49	LT	1	1	
	E2-12	27+54	RT	1	-	ON UTILITY POLE
	E2-13	28+18	LT	1	1	
	E3-1	28+58	RT	1	1	
	E3-2	29+09	RT	1	1	
	E3-3	29+52	LT	1	1	
	E3-4	29+59	RT	1	-	ON STREET LIGHT POLE
	E3-5	30+62	LT	1	-	ON TRAFFIC SIGNAL POLE
	E3-6	30+84	LT	1	-	ON TRAFFIC SIGNAL POLE
	E3-7	30+87	RT	1	-	ON TRAFFIC SIGNAL POLE
	E3-8	31+42	LT	1	-	ON TRAFFIC SIGNAL POLE
	E3-9	31+60	RT	1	1	
	E3-10	31+68	LT	1	-	ON TRAFFIC SIGNAL POLE
	E3-11	31+69	RT	1	-	ON TRAFFIC SIGNAL POLE
	E3-12	31+95	RT	1	-	ON TRAFFIC SIGNAL POLE
	E3-13	32+31	RT	1	1	
	E3-14	32+37	LT	1	1	
		PROJECT TOTALS		**37**	**20**	

NOTE: SIGNS AT THE SAME LOCATION ARE COUNTED AS ONE SIGN REMOVAL

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	SIZE IN X IN	(634.0812) POSTS TUBULAR STEEL 2x2-INCH X 12-FT EACH	(SPV.0060.11) V-LOC POST ANCHOR VS1-P EACH	(SPV.0060.12) V-LOC POST ANCHOR VS2 EACH	(SPV.0060.13) V-LOC POST ANCHOR VS3 EACH	(637.2210) SIGNS TYPE II REFLECTIVE H SF	(SPV.0060.47) INSTALL CITY SUPPLIED STREET NAME SIGN EACH	NOTES
0010	1-1	17+93	RT	R2-1	24" X 30"	-	-	-	-	5.00	-	ON STREET LIGHT POLE, 25 MPH
	1-2	17+93	RT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	1-3	18+13	LT	R7-108R (MOD.)	18" X 24"	1	1	-	-	3.00	-	
	1-4	18+72	RT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	1-6	19+13	LT	R7-108D (MOD.)	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE WITH SIGN 1-5
	1-7	19+52	RT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	1-8	19+90	LT	R3-8LF	36" X 30"	-	-	-	-	7.50	-	ON STREET LIGHT POLE
	1-9	19+90	LT	R7-108L (MOD.)	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	1-10	20+34	LT	D3-1	30" X 8"	-	-	-	-	-	1	ON POST WITH SIGN 1-12
	1-11	20+34	LT	D3-1	24" X 8"	-	-	-	-	-	1	ON POST WITH SIGN 1-12
	1-12	20+34	LT	R1-1	30" X 30"	1	1	-	-	5.18	-	
	1-13	20+34	LT	R1-3P	18" X 6"	-	-	-	-	0.75	-	ON POST WITH SIGN 1-12
	1-14	20+16	RT	R1-1	30" X 30"	1	-	-	1	5.18	-	
	1-15	20+16	RT	R1-3P	18" X 6"	-	-	-	-	0.75	-	ON POST WITH SIGN 1-14
	1-16	20+91	RT	R1-1	30" X 30"	1	-	-	1	5.18	-	
	1-17	20+91	RT	R1-3P	18" X 6"	-	-	-	-	0.75	-	ON POST WITH SIGN 1-16
	1-18	21+10	LT	R1-1	30" X 30"	1	-	-	1	5.18	-	
	1-19	21+10	LT	R1-3P	18" X 6"	-	-	-	-	0.75	-	ON POST WITH SIGN 1-18
	1-20	21+54	RT	R7-108L (MOD.)	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	1-21	21+84	LT	R7-108D (MOD.)	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	2-1	22+32	RT	R7-108D (MOD.)	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	2-2	22+67	LT	R7-108D (MOD.)	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	2-3	23+12	RT	R3-2	24" X 24"	-	-	-	-	4.00	-	ON STREET LIGHT POLE
	2-4	23+12	RT	R7-108R (MOD.)	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	2-5	23+75	LT	D3-1	30" X 8"	-	-	-	-	-	1	ON POST WITH SIGN 2-7
	2-6	23+75	LT	D3-1	24" X 8"	-	-	-	-	-	1	ON POST WITH SIGN 2-7
	2-7	23+75	LT	R1-1	30" X 30"	1	1	-	-	5.18	-	
	2-8	23+75	LT	R5-1 (MOD.)	30" X 30"	-	-	-	-	5.18	-	ON POST WITH SIGN 2-7, OCTAGON
	2-9	24+14	LT	R5-1	30" X 30"	1	1	-	-	6.25	-	
	2-10	24+24	RT	R1-1	30" X 30"	1	-	1	-	5.18	-	
	2-11	24+91	LT	R3-1	24" X 24"	1	-	1	-	4.00	-	
	2-12	25+03	RT	R7-51R	18" X 24"	1	-	1		3.00	-	
	2-13	26+31	RT	R7-51L	18" X 24"	1	-	1		3.00	-	
	2-14	26+81	RT	R3-1	24" X 24"	-	-	-	-	4.00	-	ON STREET LIGHT POLE
	2-15	27+11	LT	D3-1	30" X 8"	-	-	-	-	-	1	ON POST WITH SIGN 2-17
	2-16	27+11	LT	D3-1	30" X 8"	-	-	-	-	-	1	ON POST WITH SIGN 2-17
	2-17	27+11	LT	R1-1	30" X 30"	1	-	1	-	5.18	-	
	2-18	27+25	RT	R5-1	30" X 30"	1	-	1	-	6.25	-	
	2-19	27+53	RT	R1-1	30" X 30"	1	-	1	-	5.18	-	
	2-20	27+53	RT	R5-1 (MOD.)	30" X 30"	-	-	-	-	5.18	-	ON POST WITH SIGN 2-19, OCTAGON
	2-21	27+96	LT	R3-2	24" X 24"	-	-	-	-	4.00	-	ON STREET LIGHT POLE
	2-22	27+96	LT	R7-1D	18" X 24"	-	-	-	-	3.00	-	ON STREET LIGHT POLE
	3-1	29+18	LT	R7-1D	18" X 24"	1	-	1	-	3.00	-	
	3-2	30+05	LT	R7-1D	18" X 24"	1	-	1	-	3.00	-	
	3-3	30+28	RT	R1-1F	30" X 30"	-	-	-	-	5.18	-	ON TRAFFIC SIGNAL POLE
	3-4	30+28	RT	R10-3ER	9" X 15"	-	-	-	-	0.94	-	ON TRAFFIC SIGNAL POLE
	3-5	30+32	RT	R10-3EL	9" X 15"	-	-	-	-	0.94	-	ON TRAFFIC SIGNAL POLE
	3-6	30+66	LT	D3-1	30" X 8"	-	-	-	-	-	1	ON TRAFFIC SIGNAL POLE
	3-7	30+66	LT	D3-1	30" X 8"	-	-	-	-	-	1	ON TRAFFIC SIGNAL POLE
	3-8	30+66	LT	R10-3EL	9" X 15"	-	-	-	-	0.94	-	ON TRAFFIC SIGNAL POLE

(CONTINUED ON NEXT SHEET)

3

PERMANENT SIGNING (CONTINUED)

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	SIZE IN X IN	(634.0812) POSTS TUBULAR STEEL 2x2-INCH X 12-FT EACH	(SPV.0060.11) V-LOC POST ANCHOR VS1-P EACH	(SPV.0060.12) V-LOC POST ANCHOR VS2 EACH	(SPV.0060.13) V-LOC POST ANCHOR VS3 EACH	(637.2210) SIGNS TYPE II REFLECTIVE H SF	(SPV.0060.47) INSTALL CITY SUPPLIED STREET NAME SIGN EACH	NOTES
0010	3-9	30+80	LT	R1-1F	30" X 30"	-	-	-	-	5.18	-	ON TRAFFIC SIGNAL POLE
	3-10	30+80	LT	R10-11B	24" X 24"	-	-	-	-	4.00	-	ON TRAFFIC SIGNAL POLE
	3-11	30+80	LT	R10-3ER	9" X 15"	-	-	-	-	0.94	-	ON TRAFFIC SIGNAL POLE
	3-13	30+88	RT	R10-11B	24" X 24"	-	-	-	-	4.00	-	ON TRAFFIC SIGNAL POLE
	3-14	30+88	RT	R1-1F	30" X 30"	-	-	-	-	5.18	-	ON TRAFFIC SIGNAL POLE
	3-15	30+88	RT	R10-3ER	9" X 15"	-	-	-	-	0.94	-	ON TRAFFIC SIGNAL POLE
	3-16	31+42	LT	R10-11B	24" X 24"	-	-	-	-	4.00	-	ON TRAFFIC SIGNAL POLE
	3-17	31+42	LT	R5-2	24" X 24"	-	-	-	-	4.00	-	ON TRAFFIC SIGNAL POLE
	3-18	31+47	LT	R10-3EL	9" X 15"	-	-	-	-	0.94	-	ON TRAFFIC SIGNAL POLE
	3-19	31+58	RT	R5-1	30" X 30"	1	-	1	-	6.25	-	
	3-20	31+67	RT	R10-3EL	9" X 15"	-	-	-	-	0.94	-	ON TRAFFIC SIGNAL POLE
	3-21	31+67	RT	R10-11B	24" X 24"	-	-	-	-	4.00	-	ON TRAFFIC SIGNAL POLE
	3-22	31+67	RT	R1-1F	30" X 30"	-	-	-	-	5.18	-	ON TRAFFIC SIGNAL POLE
	3-23	31+85	LT	R1-1F	30" X 30"	-	-	-	-	5.18	-	ON TRAFFIC SIGNAL POLE
	3-24	31+85	LT	R10-3EL	9" X 15"	-	-	-	-	0.94	-	ON TRAFFIC SIGNAL POLE
	3-26	31+94	RT	R7-51R	18" X 24"	1	-	1	-	3.00	-	
	3-27	31+95	RT	R5-1	30" X 30"	-	-	-	-	6.25	-	ON TRAFFIC SIGNAL POLE
	3-28	31+95	RT	R10-3EL	9" X 15"	-	-	-	-	0.94	-	ON TRAFFIC SIGNAL POLE
	3-29	31+95	RT	R10-3ER	9" X 15"	-	-	-	-	0.94	-	ON TRAFFIC SIGNAL POLE
	3-30	31+95	RT	R6-7	24" X 30"	-	-	-	-	5.00	-	ON TRAFFIC SIGNAL POLE
	3-31	32+29	RT	R1-1	30" X 30"	1	-	1	-	5.18	-	
	3-32	32+29	RT	R3-2	24" X 24"	-	-	-	-	4.00	-	ON POST WITH SIGN 3-31
	3-33	32+62	LT	R7-51L	18" X 24"	1	-	1	-	3.00	-	
			PROJECT TOTALS			**20**	**4**	**13**	**3**	**231.76**	**8**	

TRAFFIC CONTROL DETOUR

CATEGORY	DESCRIPTION	BARRICADES TYPE III NO. DEVICES	* (643.0420) TRAFFIC CONTROL BARRICADES TYPE III DAY	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	SIGNS FIXED MESSAGE NO. DEVICES	(643.1000) TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	DURATION	
0010	W. MILWAUKEE STREET	1	153	2	306	6	918	2	16.00	153	DAYS
	W. JACKSON STREET	-	-	-	-	7	1,071	3	24.00	153	DAYS
	CENTERWAY	-	-	-	-	22	3,366	11	88.00	153	DAYS
	MILTON AVENUE	1	153	2	306	7	1,071	3	24.00	153	DAYS
	E. MILWAUKEE STREET	1	153	2	306	7	1,071	2	16.00	153	DAYS
	UNDISTRIBUTED	-	41	-	82	-	753		16.00	-	DAYS
	PROJECT TOTALS	**-**	**500**	**-**	**1,000**	**-**	**8,250**	**-**	**184.00**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC CONTROL

CATEGORY	DESCRIPTION	(643.5000) TRAFFIC CONTROL EACH	DRUMS NO. DEVICES	(643.0300) TRAFFIC CONTROL DRUMS DAY	BARRICADES TYPE III NO. DEVICES	* (643.0420) TRAFFIC CONTROL BARRICADES TYPE III DAY	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	WARNING LIGHTS TYPE C NO. DEVICES	(643.0715) TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	SIGNS PCMS NO. DEVICES	(643.1050) TRAFFIC CONTROL SIGNS PCMS DAY	DURATION	
0010	PARKER DRIVE INTERSECTION CLOSURE	-	-	-	51	7,089	75	10,425	-	-	46	6,394	3	21	139	DAYS
	MAIN STREET INTERSECTION CLOSURE	-	-	-	61	854	87	1,218	-	-	43	602	3	21	14	DAYS
	TEMPORARY DRIVEWAY	-	4	612	-	-	-	-	-	-	-	-	-	-	153	DAYS
	PROJECT 5990-01-41	1	-	-	-	-	-	-	-	-	-	-	-	-	-	DAYS
	UNDISTRIBUTED	-	-	5,388	-	807	-	1,157	-	2,000	-	704	-	18	-	DAYS
	PROJECT TOTALS	**1**		**6,000**		**8,750**		**12,800**		**2,000**		**7,700**		**60**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC CONTROL PEDESTRIAN ACCESS

CATEGORY	DESCRIPTION	BARRICADES TYPE II NO. DEVICES	(643.0410) TRAFFIC CONTROL BARRICADES TYPE II DAY	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(644.1410) TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	(644.1430) PLATE SF	(644.1440) MATTING SF	(644.1810) TEMPORARY PEDESTRIAN BARRICADE LF	TEMPORARY PEDESTRIAN CURB RAMP NO. DEVICES	(644.1601) TEMPORARY PEDESTRIAN CURB RAMP DAY	(644.1605) TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	(643.3150) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	DURATION	
0010	PROJECT 5990-01-41	13	1,989	13	1,989	13	1,989	53	225	1,920	-	3,920	12	1,836	120	410	153	DAYS
	UNDISTRIBUTED	-	211	-	211	-	211	25	775	180	1,000	380	-	214	30	90	-	DAYS
	PROJECT TOTALS	**-**	**2,200**	**-**	**2,200**	**-**	**2,200**	**78**	**1,000**	**2,100**	**1,000**	**4,300**	**-**	**2,050**	**150**	**500**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

3

MARKING REMOVAL LINE 4-INCH

CATEGORY	STATION	TO STATION	LOCATION	(646.9000) MARKING REMOVAL LINE 4-INCH LF
0010	32+28	32+33	RT	10
	PROJECT TOTAL			**10**

TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH

CATEGORY	STATION	LOCATION	(643.3970) TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH LF	NOTES
0010	17+14	LT	42	COVER LEFT ARROW OF TYPE 3 ARROW
	17+54	RT	42	COVER RIGHT ARROW OF TYPE ARROW
	PROJECT TOTAL		**84**	

PAVEMENT MARKINGS

CATEGORY	STATION	TO STATION	(646.1020) MARKING LINE EPOXY 4-INCH (YELLOW) LF	(646.1020) MARKING LINE EPOXY 4-INCH (WHITE) LF	(646.3020) MARKING LINE EPOXY 8-INCH (WHITE) LF	(646.5020) MARKING ARROW EPOXY (TYPE 2) (WHITE) EACH	(646.5020) MARKING ARROW EPOXY (TYPE 3) (WHITE) EACH	(646.5120) MARKING WORD EPOXY (ONLY, WHITE) EACH	(646.6120) MARKING STOP LINE EPOXY 18-INCH LF	(646.7420) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	(646.7520) MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF	(646.8320) MARKING PARKING STALL EPOXY (4-INCH, WHITE) LF
0010	16+72	32+65	2,750	50	555	7	3	3	350	1,710	78	486
	SUBTOTALS		**2,750**	**50**	**-**	**7**	**3**	**-**	**-**	**-**	**-**	**-**
	PROJECT TOTALS		**2,800**		**555**	**10**		**3**	**350**	**1,710**	**78**	**486**

CONSTRUCTION STAKING

CATEGORY	STATION	TO STATION	LOCATION	(650.4500) CONSTRUCTING STAKING SUBGRADE LF	(650.7000) CONSTRUCTION STAKING CONCRETE PAVEMENT LF	(650.8501) CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS EACH	(650.9911) CONSTRUCTION STAKING SUPPLEMENTAL CONTROL EACH	(650.9920) CONSTRUCTION STAKING SLOPE STAKES LF
0010	16+77	32+55	LT & RT	1,578	1,578	-	-	1,578
		PROJECT 5990-01-41		-	-	1	1	-
		PROJECT TOTALS		**1,578**	**1,578**	**1**	**1**	**1,578**

CRACK AND DAMAGE SURVEY

CATEGORY	LOCATION	(999.1501.S) CRACK AND DAMAGE SURVEY EACH	NOTES
0010	E. MILWAUKEE STREET	1	APPROXIMATELY 20 BUILDINGS
	PROJECT TOTAL	**1**	

3

REMOVE LIGHT POLE ASSEMBLY

CATEGORY	STATION	LOCATION	(SPV.0060.05) REMOVE LIGHT POLE ASSEMBLY EACH	# (SPV.0060.06) REMOVE & SALVAGE LED STREET LIGHT FIXTURE EACH	* (204.0195) REMOVING CONCRETE BASES EACH
0010	17+92	RT	1	1	1
	18+65	LT	1	1	1
	19+43	RT	1	1	1
	20+15	LT	1	1	1
	20+45	RT	1	1	1
	20+79	LT	1	1	1
	21+11	RT	1	1	1
	21+82	LT	1	1	1
	22+75	RT	1	1	1
	23+65	LT	1	1	1
	24+50	RT	1	1	1
	25+30	LT	1	1	1
	26+08	RT	1	1	1
	26+83	LT	1	1	1
	28+67	LT	1	1	1
	29+59	RT	1	1	1
	30+62	LT	1	1	1
	31+30	RT	1	1	1
	PROJECT TOTALS		**18**	**18**	**18**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PAID FOR UNDER CATEGORY 0020

ADJUSTING PULL BOXES

CATEGORY	STATION	LOCATION	(653.0900) ADJUSTING PULL BOXES EACH
0010	17+61.8	40.5' LT	1
	17+64.4	37.9' LT	1
	17+64.9	28.2' LT	1
	17+76.5	28.8' LT	1
	17+81.1	23.8' RT	1
	17+85.6	24.2' LT	1
	PROJECT TOTAL		**6**

REMOVING PULL BOXES

CATEGORY	STATION	LOCATION	(653.0905) REMOVING PULL BOXES EACH
0010	18+65.8	22.1' LT	1
	19+41.9	22.9' LT	1
	20+15.8	23.3' LT	1
	20+28.0	23.3' RT	1
	21+01.0	28.6' LT	1
	21+82.8	21.1' RT	1
	22+75.3	19.0' RT	1
	23+63.9	21.4' RT	1
	24+48.4	19.6' RT	1
	26+80.1	26.1' RT	1
	28+57.3	27.8' RT	1
	28+93.0	31.1' RT	1
	30+23.4	31.6' RT	1
	30+35.1	53.7' RT	1
	30+65.0	24.0' LT	1
	31+30.2	29.4' RT	1
	PROJECT TOTAL		**16**

STREET LIGHTING CONDUIT

CATEGORY	FROM	TO	* (652.0225) CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	* (652.0325) CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	NOTES
0010	PB-1	PB-2	-	50	
	PB-1	LP-2	41	-	
	LP-2	LP-4	85	-	
	LP-4	LP-6	84	-	
	LP-6	PB-3	64	-	
	PB-3	PB-23	28	-	
	PB-23	EXLP2	-	-	
	PB-2	LP-1	4	-	
	LP-1	LP-3	81	-	
	LP-3	LP-5	84	-	
	LP-5	LP-7	113	-	
	LP-7	PB-5	9	-	
	PB-5	EXLP1	10	-	
	PB-3	PB-4	-	43	
	PB-4	LP-8	9	-	
	LP-8	EXPB2	8	-	
	EXPB2	EXLP3	-	-	
	EXPB2	EXPB3	-	-	
	EXPB3	EXLP4	-	-	
	EXPB3	EXPB4	-	-	
	EXPB4	EXLP5	-	-	
	EXPB4	EXLP6	-	-	
	EXPB4	EXPB5	-	-	
	EXPB5	EXLP7	-	-	
	EXPB5	EXPB6	-	-	
	EXPB6	EXLP8	-	-	
	PB-4	PB-7	108	-	
	PB-7	LP-11	14	-	
	PB-7	PB-8	-	45	
	PB-5	PB-6	-	49	
	PB-6	LP-9	50	-	
	LP-9	LP-10	46	-	
	LP-10	PB-8	21	-	
	LP-11	LP-13	88	-	
	LP-13	LP-15	94	-	
	LP-15	PB-9	38	-	
	PB-8	LP-12	61	-	
	LP-12	LP-14	83	-	
	LP-14	PB-12	96	-	
	PB-9	PB-10	-	36	
	PB-10	PB-11	31	-	
	PB-11	PB-14	-	58	
	PB-11	LP-17	155	-	
	LP-17	PB-15	118	-	
	PB-15	PB-17	-	50	
	PB-12	PB-13	-	36	
	PB-13	LCC-1	22	-	2 CONDUITS
	LCC-1	PB-14	12	-	2 CONDUITS
	PB-14	LP-16	36	-	
	LP-16	LP-18	231	-	
	LP-18	PB-17	33	-	
	PB-15	PB-16	-	82	
	PB-16	LP-19	4	-	
	LP-19	PB-19	254	-	
	PB-19	PB-20	-	57	
	PB-17	PB-18	-	67	
	PB-18	LP-20	131	-	
	LP-20	PB-20	131	-	
	PB-20	PB-21	-	86	
	PB-21	LP-21	11	-	
	LP-21	STUB	5	-	
	SERVICE	PB-22	-	47	
	PB-22	LCC-1	-	87	
	PROJECT TOTALS		**2,493**	**793**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TREE GRATE CONDUIT

CATEGORY	FROM	TO	* (652.0225) CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	* (652.0325) CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF
0010	PB-1	TG2	88	3
	PB-2	TG1	48	3
	TG1	TG3	68	6
	TG2	TG4	77	6
	TG3	PB-5	179	3
	TG4	PB-3	105	3
	PB-3	PB-4	-	43
	PB-5	PB-6	-	49
	PB-4	TG5	92	3
	TG5	PB-7	20	3
	PB-7	TG7	67	3
	PB-6	PB-8	116	-
	PB-8	TG6	24	3
	TG6	TG8	87	6
	TG7	TG9	60	6
	TG8	PB-12	135	3
	TG9	PB-9	98	3
	PB-9	PB-10	-	36
	PB-12	PB-13	-	36
	PB-10	PB-11	31	-
	PB-11	PB-14	-	58
	PB-13	LCC-1	11	-
	LCC-1	PB-14	6	-
	PROJECT TOTALS		**1,312**	**276**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STREET LIGHTING PULL BOXES

CATEGORY	PULL BOX NUMBER	STATION	LOCATION	* (653.0140) PULL BOXES STEEL 24x42-INCH EACH
0010	PB-1	17+94.0	25.5' LT	1
	PB-2	17+89.0	24.0' RT	1
	PB-3	20+36.0	46.5' LT	1
	PB-4	20+79.0	46.5' LT	1
	PB-5	20+46.5	55.0' RT	1
	PB-6	20+95.3	55.0' RT	1
	PB-7	21+73.0	22.5' LT	1
	PB-8	21+73.0	22.5' RT	1
	PB-9	23+76.5	45.0' LT	1
	PB-10	24+12.3	45.0' LT	1
	PB-11	24+29.5	23.0' LT	1
	PB-12	23+87.2	50.0' RT	1
	PB-13	24+23.3	48.0' RT	1
	PB-14	24+30.0	34.5' RT	1
	PB-15	26+97.0	24.0' LT	1
	PB-16	27+79.0	22.0' LT	1
	PB-17	27+11.0	24.5' RT	1
	PB-18	27+78.0	23.5' RT	1
	PB-19	30+50.0	20.5' LT	1
	PB-20	30+18.0	26.5' RT	1
	PB-21	31+03.8	33.9' RT	1
	PB-22	24+15.3	47.3' LT	1
	PB-23	20+26.0	72.0' LT	1
	PROJECT TOTAL			**23**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

STREET LIGHTING CONTROL CABINET

CATEGORY	CABINET NUMBER	STATION	LOCATION	(654.0230) CONCRETE CONTROL CABINET BASES TYPE L30 EACH	(656.0201.01) ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) EACH	(659.2130) LIGHTING CONTROL CABINETS 120/240 30-INCH EACH
0010	LCC-1	24+30.0	40.0' RT	1	1	1
		PROJECT TOTALS		**1**	**1**	**1**

STREET LIGHTING POLE ASSEMBLY

CATEGORY	POLE NUMBER	STATION	LOCATION	* (654.0102) CONCRETE BASES TYPE 2 EACH	* (657.0255) TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	* (657.0315) POLES TYPE 4 EACH	* (657.0609) LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	* (659.1120) LUMINAIRES UTILITY LED B EACH	(SPV.0060.09) CONCRETE BASE TYPE 3 SPECIAL EACH	(SPV.0060.10) CONCRETE BASE TYPE 5 SPECIAL EACH	(SPV.0060.07) DECORATIVE MAST ARM LIGHTING UNIT EACH	(SPV.0060.08) DECORATIVE POLE TOP LIGHTING UNIT EACH	* (655.0610) ELECTRICAL WIRE LIGHTING 12 AWG LF
0010	LP-1	17+93.0	24.5' RT	-	-	-	-	-	1	-	1	-	159
	LP-2	18+33.0	27.0' LT	-	-	-	-	-	-	1	-	1	87
	LP-3	18+72.0	24.5' RT	-	-	-	-	-	-	1	-	1	87
	LP-4	19+13.0	27.0' LT	-	-	-	-	-	-	1	-	1	87
	LP-5	19+52.0	24.5' RT	-	-	-	-	-	-	1	-	1	87
	LP-6	19+90.0	26.5' LT	-	-	-	-	-	1	-	1	-	159
	LP-7	20+44.0	47.2' RT	-	-	-	-	-	1	-	1	-	159
	LP-8	20+78.8	54.6' LT	-	-	-	-	-	1	-	1	-	159
	LP-9	21+11.0	23.25' RT	-	-	-	-	-	1	-	1	-	159
	LP-10	21+54.0	24.0' RT	-	-	-	-	-	-	1	-	1	87
	LP-11	21+84.0	25.0' LT	-	-	-	-	-	-	1	-	1	87
	LP-12	22+32.0	24.0' RT	-	-	-	-	-	-	1	-	1	87
	LP-13	22+67.0	25.0' LT	-	-	-	-	-	-	1	-	1	87
	LP-14	23+12.0	24.0' RT	-	-	-	-	-	-	1	-	1	87
	LP-15	23+56.0	25.0' LT	-	-	-	-	-	1	-	1	-	159
	LP-16	24+57.0	24.5' RT	-	-	-	-	-	1	-	1	-	159
	LP-17	25+82.0	24.5' LT	-	-	-	-	-	1	-	1	-	159
	LP-18	26+81.0	24.5' RT	-	-	-	-	-	1	-	1	-	159
	LP-19	27+83.0	22.5' LT	-	-	-	-	-	1	-	1	-	159
	LP-20	28+96.0	28.5' RT	-	-	-	-	-	1	-	1	-	159
	LP-21	31+13.0	31.5' RT	1	1	1	1	1	-	-	-	-	117
		PROJECT TOTALS		**1**	**1**	**1**	**1**	**1**	**11**	**9**	**11**	**9**	**2,649**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

STREET LIGHTING WIRING

CATEGORY	FROM	TO	(655.0610)* ELECTRICAL WIRE LIGHTING 12 AWG LF	(655.0615) ELECTRICAL WIRE LIGHTING 10 AWG LF	(655.0625) ELECTRICAL WIRE LIGHTING 6 AWG LF	NOTES
0010	PB-1	PB-2	-	-	-	EMPTY CONDUIT
	PB-1	LP-2	-	-	-	EMPTY CONDUIT
	LP-2	LP-4	-	190	285	
	LP-4	LP-6	-	188	376	
	LP-6	PB-3	-	170	340	
	PB-3	PB-23	-	180	-	
	PB-23	EXLP2	-	318	-	EXISTING CONDUIT
	PB-2	LP-1	-	-	-	EMPTY CONDUIT
	LP-1	LP-3	182	-	273	
	LP-3	LP-5	188	-	376	
	LP-5	LP-7	246	-	492	
	LP-7	PB-5	150	-	120	
	PB-5	EXLP1	522	-	-	EXISTING CONDUIT
	PB-3	PB-4	-	375	300	
	PB-4	LP-8	-	210	240	
	LP-8	EXPB2	-	297	-	EXISTING CONDUIT
	EXPB2	EXLP3	-	-	-	EXISTING CONDUIT & WIRE TO REMAIN
	EXPB2	EXPB3	-	-	-	EXISTING CONDUIT & WIRE TO REMAIN
	EXPB3	EXLP4	-	-	-	EXISTING CONDUIT & WIRE TO REMAIN
	EXPB3	EXPB4	-	-	-	EXISTING CONDUIT & WIRE TO REMAIN
	EXPB4	EXLP5	-	-	-	EXISTING CONDUIT & WIRE TO REMAIN
	EXPB4	EXLP6	-	-	-	EXISTING CONDUIT & WIRE TO REMAIN
	EXPB4	EXPB5	-	-	-	EXISTING CONDUIT & WIRE TO REMAIN
	EXPB5	EXLP7	-	-	-	EXISTING CONDUIT & WIRE TO REMAIN
	EXPB5	EXPB6	-	-	-	EXISTING CONDUIT & WIRE TO REMAIN
	EXPB6	EXLP8	-	-	-	EXISTING CONDUIT & WIRE TO REMAIN
	PB-4	PB-7	-	280	560	
	PB-7	LP-11	-	70	140	
	PB-7	PB-8	-	-	-	EMPTY CONDUIT
	PB-5	PB-6	162	-	324	
	PB-6	LP-9	142	-	284	
	LP-9	LP-10	112	-	224	
	LP-10	PB-8	84	-	168	
	LP-11	LP-13	-	196	392	
	LP-13	LP-15	-	208	416	
	LP-15	PB-9	-	118	236	
	PB-8	LP-12	164	-	328	
	LP-12	LP-14	186	-	372	
	LP-14	PB-12	234	-	468	
	PB-9	PB-10	-	136	272	
	PB-10	PB-11	-	126	252	
	PB-11	PB-14	540	180	360	
	PB-11	LP-17	1,056	-	-	
	LP-17	PB-15	695	-	-	
	PB-15	PB-17	-	-	-	EMPTY CONDUIT
	PB-12	PB-13	136	-	272	
	PB-13	LCC-1	68	-	136	2 CONDUITS (1 EMPTY CONDUIT)
	LCC-1	PB-14	232	174	116	2 CONDUITS
	PB-14	LP-16	114	228	-	
	LP-16	LP-18	482	964	-	
	LP-18	PB-17	108	162	-	
	PB-15	PB-16	570	-	-	
	PB-16	LP-19	125	-	-	
	LP-19	PB-19	-	-	-	EMPTY CONDUIT
	PB-19	PB-20	-	-	-	EMPTY CONDUIT
	PB-17	PB-18	198	297	-	
	PB-18	LP-20	304	456	-	
	LP-20	PB-20	456	-	-	
	PB-20	PB-21	354	-	-	
	PB-21	LP-21	96	-	-	
	LP-21	STUB	-	-	-	EMPTY CONDUIT
	SERVICE	PB-22	-	-	-	EMPTY CONDUIT
	PB-22	LCC-1	-	-	-	EMPTY CONDUIT
	PROJECT TOTALS		**7,906**	**5,523**	**8,122**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL REMOVALS

CATEGORY	DESCRIPTION	(SPV.0060.42) REMOVE & SALVAGE TRAFFIC SIGNAL EQUIPMENT (E. MILWAUKEE ST. & MAIN ST.) EACH	(SPV.0060.43) REMOVE & SALVAGE TRAFFIC SIGNAL EQUIPMENT (E. MILWAUKEE ST. & PARKER DR.) EACH	(SPV.0060.44) REMOVE & SALVAGE TRAFFIC SIGNAL EQUIPMENT (E. MILWAUKEE ST. & ATWOOD AVE.) EACH	* # (204.0195) REMOVING CONCRETE BASES EACH
0020	E. MILWAUKEE STREET & MAIN STREET	1	-	-	-
	E. MILWAUKEE STREET & PARKER DRIVE	-	1	-	5
	E. MILWAUKEE STREET & ATWOOD AVENUE	-	-	1	8
	PROJECT TOTALS	**1**	**1**	**1**	**13**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PAID FOR UNDER CATEGORY 0010

TRAFFIC SIGNAL CONDUIT

CATEGORY	FROM	TO	* (652.0225) CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	(652.0235) CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	(652.0700.S) INSTALL CONDUIT INTO EXISTING ITEM EACH	NOTES
E. MILWAUKEE ST. & ATWOOD AVE.						
0010	CB1	PB1	-	33	-	
	PB1	SB1	6	-	-	
	PB1	PB9	7	-	-	
	PB1	PB2	-	126	-	
	PB2	SB2	7	-	-	
	PB2	PB3	-	64	-	
	PB3	SB3	12	-	-	
	PB3	PB10	8	-	-	
	PB3	PB4	-	210	-	
	PB4	SB4	5	-	-	
	PB4	SB5	13	-	-	
	PB4	PB5	-	54	-	
	PB5	SB6	29	-	-	
	PB5	PB11	60	-	-	
	PB5	PB6	-	122	-	
	PB6	PB13	33	-	-	
	PB13	EXSB7	31	-	-	CONNECT TO EXISTING CONDUIT
	PB13	SB8	10	-	-	
	PB13	PB12	34	-	-	
	PB6	PB7	-	66	-	
	PB7	SB9	9	-	-	
	PB7	PB14	35	-	-	
	PB7	PB8	-	126	-	
	PB8	SB10	13	-	-	
	PB8	CB1	-	36	-	
E. MILWAUKEE ST. & MAIN ST.						
	EXPB19	PB25	13	-	1	CONNECT CONDUIT INTO EXPB19
	PROJECT TOTALS		**325**	**837**	**1**	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL LOOP DETECTORS

CATEGORY	LOOP NUMBER	STATION	OFFSET	SIZE	NUMBER OF TURNS	(652.0800) CONDUIT LOOP DETECTOR LF	(655.0700) LOOP DETECTOR LEAD IN CABLE LF	(655.0800) LOOP DETECTOR WIRE LF
E. MILWAUKEE ST. & ATWOOD AVE.								
0010	21	32+20.9	6.3' LT	6'x20'	4	76	229	304
	22	31+93.0	6.4' LT	6'x20'	3	76	229	228
	41	31+14.0	51.3' LT	6'x6'	4	62	114	248
	42	31+00.5	34.9' LT	6'x15'	3	54	114	162
	61	30+14.0	6.0' RT	6'x20'	2	86	18	172
	62	30+33.7	17.9' RT	6'x6'	3	62	18	186
	63	30+41.9	6.0' RT	6'x20'	2	90	18	180
	81	30+62.5	70.2' RT	6'x6'	3	42	110	126
	82	30+52.8	66.9' RT	6'x6'	4	62	110	248
	83	30+75.0	49.6' RT	6'x16'	4	58	110	232
	84	30+65.3	46.3' RT	6'x16'	3	76	110	228
	91	32+03.8	61.0' RT	6'x20'	4	84	175	336
	92	31+82.0	42.4' RT	6'x20'	3	84	175	252
E. MILWAUKEE ST. & MAIN ST.								
	21	16+88.0	9.0' RT	6'x6'	3	42	135	126
	43	17+51.8	39.8' RT	6'x16'	3	70	87	210
	46	17+42.6	40.8' RT	6'x16'	4	90	87	360
	61	17+97.6	9.0' LT	6'x20'	2	82	16	164
	62	17+97.7	1.0' RT	6'x20'	2	100	16	200
	63	17+83.7	9.0' LT	6'x6'	3	48	16	144
	64	17+83.6	1.0' RT	6'x6'	2	70	16	140
	83	17+06.3	44.2' LT	6'x16'	3	58	129	174
	84	17+16.8	44.6' LT	6'x16'	2	80	129	160
		PROJECT TOTALS				**1,552**	**2,161**	**4,580**

TRAFFIC SIGNAL PULL BOXES

CATEGORY	NUMBER	STATION	LOCATION	* (653.0140) PULL BOXES STEEL 24x42-INCH EACH
E. MILWAUKEE ST. & ATWOOD AVE.				
0010	PB1	30+20.9	30.0' RT	1
	PB2	30+58.3	23.1' LT	1
	PB3	30+87.2	40.9' LT	1
	PB4	31+43.0	45.0' LT	1
	PB5	31+54.9	23.0' LT	1
	PB6	31+28.9	33.9' RT	1
	PB7	30+95.2	36.7' RT	1
	PB8	30+32.0	53.3' RT	1
	PB9	30+12.3	26.7' RT	1
	PB10	30+92.5	48.9' LT	1
	PB11	32+16.4	22.0' LT	1
	PB12	31+88.2	72.5' RT	1
	PB13	31+58.8	52.5' RT	1
	PB14	30+74.7	70.0' RT	1
E. MILWAUKEE ST. & MAIN ST.				
	PB25	17+88.7	25.2' LT	1
	PROJECT TOTALS			**15**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL POLES AND ARMS

CATEGORY	SIGNAL BASE NUMBER	(657.0100) PEDESTAL BASES EACH	* (657.0255) TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	(657.0405) TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	(657.0420) TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	* (657.0315) POLES TYPE 4 EACH	* (657.0609) LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	* (659.1120) LUMINAIRES UTILITY LED B EACH
E. MILWAUKEE ST. & ATWOOD AVE.								
0010	SB1	1	-	-	1	-	-	-
	SB2	-	1	-	-	1	1	1
	SB3	1	-		1	-	-	-
	SB4	-	1	-	-	1	1	1
	SB5	1	-	1	1	-	-	-
	SB6	1	-	-	1	-	-	-
	EXSB7	-	-	-	-	-	-	-
	SB8	1	-	-	1	-	-	-
	SB9	1	-	-	1	-	-	-
	SB10	1	-	-	1	-	-	-
E. MILWAUKEE ST. & MAIN ST.								
	SB9	1	-	-	1	-	-	-
	PROJECT TOTALS	**8**	**2**	**1**	**8**	**2**	**2**	**2**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL CONCRETE BASES

CATEGORY	NUMBER	STATION	LOCATION	(654.0101) CONCRETE BASES TYPE 1 EACH	* (654.0102) CONCRETE BASES TYPE 2 EACH
E. MILWAUKEE ST. & ATWOOD AVE.					
0010	SB1	30+28.0	30.9' RT	1	-
	SB2	30+66.0	23.6' LT	-	1
	SB3	30+79.6	31.4' LT	1	-
	SB4	31+41.6	38.7' LT	-	1
	SB5	31+47.0	31.4' LT	1	-
	SB6	31+84.5	23.2' LT	1	-
	EXSB7	31+95.0	32.3' RT	-	-
	SB8	31+66.8	59.9' RT	1	-
	SB9	30+89.5	48.5' RT	1	-
	SB10	30+31.7	39.6' RT	1	-
	PROJECT TOTALS			**7**	**2**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

TRAFFIC SIGNAL INTERSECTION ITEMS

CATEGORY	STATION	LOCATION	(SPV.0060.40) TRAFFIC SIGNAL CABINET & CONTROLLER (E. MILWAUKEE ST. & ATWOOD AVE.) EACH	(654.0217) CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	(656.0201.02) ELECTRICAL SERVICE METER BREAKER PEDESTAL (LOCATION) EACH	(658.5070.01) SIGNAL MOUNTING HARDWARE (E. MILWAUKEE ST. & ATWOOD AVE.) EACH	(678.0501) COMMUNICATION SYSTEM TESTING EACH	(670.0101) FIELD SYSTEM INTEGRATOR EACH
E. MILWAUKEE ST. & ATWOOD AVE.								
0010	30+21.2	43.8' RT	1	1	1	1	1	1
	PROJECT TOTALS		**1**	**1**	**1**	**1**	**1**	**1**

CABLE TRAFFIC SIGNAL

CATEGORY	FROM	TO	(655.0210) CABLE TRAFFIC SIGNAL 3-14 AWG LF	(655.0240) CABLE TRAFFIC SIGNAL 7-14 AWG LF	(655.0270) CABLE TRAFFIC SIGNAL 15-14 AWG LF
E. MILWAUKEE ST. & ATWOOD AVE.					
0010	CB1	SB1	-	-	39
	SB1	HEAD 2C	-	19	-
	SB1	HEAD 6A	-	19	-
	SB1	PED HEAD 4-2	18	-	-
	SB1	PED BUTTON	6	-	-
	CB1	SB2	-	-	119
	SB2	HEAD 2B	-	19	-
	SB2	PED HEAD 4-1	18	-	-
	SB2	PED BUTTON	6	-	-
	CB1	SB3	-	-	172
	SB3	HEAD 3C	-	19	-
	SB3	HEAD 4A	-	19	-
	SB3	HEAD 8C	-	19	-
	SB3	PED HEAD 2-2	18	-	-
	SB3	PED BUTTON	6	-	-
	CB1	SB4	-	-	287
	SB4	HEAD 3B	-	19	-
	SB4	HEAD 8B	-	19	-
	SB4	PED HEAD 2-1	18	-	-
	CB1	SB5	295	-	-
	SB5	PED BUTTON	18	-	-
	CB1	SB6	-	-	268
	SB6	HEAD 2A	-	19	-
	SB6	HEAD 6C	-	19	-
	SB6	PED HEAD 3-2	18	-	-
	SB6	PED BUTTON	6	-	-
	CB1	EXSB7	-	-	252
	EXSB7	HEAD 3A	-	19	-
	EXSB7	HEAD 6B	-	19	-
	EXSB7	PED HEAD 3-1	18	-	-
	EXSB7	PED HEAD 8-2	18	-	-
	EXSB7	PED BUTTON	6	-	-
	CB1	SB8	-	-	221
	SB8	HEAD 3D	-	19	-
	SB8	PED HEAD 8-1	18	-	-
	SB8	PED BUTTON	6	-	-
	CB1	SB9	-	-	122
	SB9	HEAD 4C	-	19	-
	SB9	HEAD 8A	-	19	-
	SB9	PED HEAD 6-2	18	-	-
	SB9	PED BUTTON	6	-	-
	CB1	SB10	-	-	47
	SB10	HEAD 4B	-	19	-
	SB10	PED HEAD 6-1	18	-	-
	SB10	PED BUTTON	6	-	-
PROJECT TOTALS			**541**	**304**	**1,527**

ELECTRICAL WIRE TRAFFIC SIGNALS

CATEGORY	FROM	TO	(655.0515) ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG GROUNDING CONDUCTOR (WHITE) LF	(655.0515) ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG EQUIPMENT GROUNDING CONDUCTOR (GREEN) LF
E. MILWAUKEE ST. & ATWOOD AVE.				
0010	CB1	SB1	40	40
	SB1	SB2	113	113
	SB2	SB3	88	88
	SB3	SB4	159	159
	SB4	SB5	39	39
	SB5	SB6	106	106
	SB6	EXSB7	186	186
	EXSB7	SB8	72	72
	SB8	SB9	138	138
	SB9	SB10	122	122
	SB10	CB1	48	48
	CB1	PB1	-	13
	SB1	PB9	-	31
	SB2	PB2	-	9
	SB3	PB3	-	14
	SB3	PB10	-	38
	SB4	PB4	-	7
	SB6	PB5	-	31
	SB6	PB11	-	107
	SB8	PB6	-	61
	SB8	PB12	-	62
	SB8	PB13	-	12
	SB9	PB7	-	11
	SB9	PB14	-	46
	SB10	PB8	-	15
SUBTOTALS			**1,111**	**1,568**
PROJECT TOTAL				**2,679**

TRAFFIC SIGNAL LIGHTING CABLE AND WIRE

CATEGORY	FROM	TO	(655.0305) CABLE TYPE UF 2-12 AWG GROUNDED LF	* (655.0610) ELECTRICAL WIRE LIGHTING 12 AWG LF
E. MILWAUKEE ST. & ATWOOD AVE.				
0010	CB1	SB2	119	-
	SB2	LUM	-	117
	CB1	SB4	287	-
	SB4	LUM	-	117
	CB1	EXSB7	286	-
	EXSB7	LUM	-	234
PROJECT TOTALS			**692**	**468**

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC SIGNAL HEADS

CATEGORY	SIGNAL BASE NUMBER	HEAD NUMBER	(658.0173) TRAFFIC SIGNAL FACE 3S 12-INCH EACH	(658.0416) PEDESTRIAN SIGNAL FACE 16-INCH EACH	(SPV.0060.41) AUDIBLE-TACTILE PEDESTRIAN PUSH BUTTON UNIT EACH	(SPV.0060.45) TRAFFIC SIGNAL EVP DETECTOR SYSTEM EACH	(SPV.0060.46) REMOVE, SAVALGE, & REINSTALL EVP EQUIPMENT (E. MILWAUKEE ST & ATWOOD AVE.) EACH	NOTES
E. MILWAUKEE ST. & ATWOOD AVE.								
0010	SB1	2C	1	-	-	-	-	INCLUDE TUNNEL VISOR AND LOUVER
		6A	1	-	-	-	-	
		4-2	-	1	-	-	-	
		B	-	-	1	-	-	RIGHT FACING ARROW
		EVP	-	-	-	-	1	
	SB2	2B	1	-	-	-	-	INCLUDE TUNNEL VISOR AND LOUVER
		4-1	-	1	-	-	-	
		B	-	-	1	-	-	LEFT FACING ARROW
		EVP	-	-	-	-	1	
	SB3	3C	1	-	-	-	-	INCLUDE TUNNEL VISOR AND LOUVER
		4A	1	-	-	-	-	
		8C	1	-	-	-	-	
		2-2	-	1	-	-	-	
		B	-	-	1	-	-	RIGHT FACING ARROW
		EVP	-	-	-	1	-	
	SB4	3B	1	-	-	-	-	INCLUDE TUNNEL VISOR AND LOUVER
		8B	1	-	-	-	-	INCLUDE TUNNEL VISOR AND LOUVER
		2-1	-	1	-	-	-	
	SB5	B	-	-	1	-	-	LEFT FACING ARROW
	SB6	2A	1	-	-	-	-	
		6C	1	-	-	-	-	INCLUDE TUNNEL VISOR AND LOUVER
		3-2	-	1	-	-	-	
		B	-	-	1	-	-	LEFT FACING ARROW
		EVP	-	-	-	-	1	
	EXSB7	3A	1	-	-	-	-	
		6B	1	-	-	-	-	
		B	-	-	1	-	-	TWO SIDED ARROW
		EVP	-	-	-	1	-	
	SB8	3D	1	-	-	-	-	
		8-1	-	1	-	-	-	
		B	-	-	1	-	-	LEFT FACING ARROW
	SB9	4C	1	-	-	-	-	
		8A	1	-	-	-	-	
		6-2	-	1	-	-	-	
		B	-	-	1	-	-	RIGHT FACING ARROW
	SB10	4B	1	-	-	-	-	
		6-1	-	1	-	-	-	
		B	-	-	1	-	-	LEFT FACING ARROW
E. MILWAUKEE ST. & MAIN ST.								
	SB9	2B	1	-	-	-	-	
	EXSB12	2A	1	-	-	-	-	
	EXSB17	2C	1	-	-	-	-	
PROJECT TOTALS			**19**	**8**	**9**	**2**	**3**	

SAWING

CATEGORY	STATION	TO STATION	LOCATION	(690.0150) SAWING ASPHALT LF	(690.0250) SAWING CONCRETE LF	NOTES
0010	16+77	-	LT & RT	-	36	ROADWAY
	16+99	17+20	LT	21	-	ROADWAY
	17+15	17+66	RT	71	-	ROADWAY
	17+34	17+53	LT	19	-	ROADWAY
	17+53	17+55	LT	-	2.5	CURB & GUTTER
	17+57	17+59	RT	-	1.5	CURB & GUTTER
	17+55	20+37	LT	-	362	SIDEWALK
	17+58	19+13	RT	-	165	SIDEWALK
	19+13	19+38	RT	25	-	DRIVEWAY
	19+38	19+62	RT	-	24	SIDEWALK
	19+62	19+95	RT	34	-	DRIVEWAY
	19+95	20+32	RT	-	37	SIDEWALK
	20+32	20+33	RT	-	0.5	CURB
	20+37	20+37	RT	-	0.5	CURB
	20+37	20+50	RT	-	40	SIDEWALK
	20+37	20+40	LT	-	2.5	CURB & GUTTER
	20+37	20+71	LT	34	-	ROADWAY
	20+50	20+52	RT	-	2.5	CURB & GUTTER
	20+55	20+97	RT	42	-	ROADWAY
	20+72	20+74	LT	-	2.5	CURB & GUTTER
	20+74	21+91	LT	-	146	SIDEWALK
	20+93	20+95	RT	-	2.5	CURB & GUTTER
	20+95	21+55	RT	-	86	SIDEWALK
	21+91	22+21	LT	-	30	DRIVEWAY
	22+08	22+63	RT	-	61	SIDEWALK
	22+21	23+13	LT	-	93	SIDEWALK
	23+13	23+59	LT	92	-	DRIVEWAY/PARKING LOT
	23+51	23+74	RT	49	-	PARKING LOT
	23+59	23+66	LT	-	7	SIDEWALK
	23+66	24+17	LT	51	-	ROADWAY
	23+74	23+79	RT	-	5	SIDEWALK
	23+90	23+92	RT	-	2.5	CURB & GUTTER
	23+98	24+24	RT	27	-	ROADWAY
	24+17	25+45	LT	-	165	SIDEWALK
	24+24	24+27	RT	-	2.5	CURB & GUTTER
	24+42	24+47	RT	-	5	SIDEWALK
	25+45	25+70	LT	33	-	DRIVEWAY/PARKING LOT
	25+62	26+87	RT	-	131	SIDEWALK
	25+70	25+94	LT	-	24	SIDEWALK
	25+94	26+10	LT	19	-	DRIVEWAY/PARKING LOT
	26+10	26+29	LT	-	19	SIDEWALK
	26+32	26+44	LT	12	-	DRIVEWAY
	26+51	26+57	LT	-	6	SIDEWALK
	26+87	27+13	RT	44	-	PARKING LOT
	26+94	26+95	LT	-	5	SIDEWALK
	26+94	26+99	LT	-	5	SIDEWALK
	27+03	27+05	LT	-	2.5	CURB & GUTTER
	27+05	27+39	LT	33	-	ROADWAY
	27+19	27+26	RT	-	7	SIDEWALK
	27+27	27+29	RT	-	1.5	CURB & GUTTER

(CONTINUED)

SAWING (CONTINUED)

CATEGORY	STATION	TO STATION	LOCATION	(690.0150) SAWING ASPHALT LF	(690.0250) SAWING CONCRETE LF	NOTES
0010	27+29	27+52	RT	23	-	ROADWAY
	27+41	27+44	LT	-	2.5	CURB & GUTTER
	27+51	27+56	LT	-	5	SIDEWALK
	27+52	27+54	RT	-	2.5	CURB & GUTTER
	27+58	27+63	RT	-	5	SIDEWALK
	27+63	27+65	RT	33	-	DRIVEWAY/PARKING LOT
	27+65	27+65	RT	-	0.5	CURB
	28+01	28+06	LT	-	5	SIDEWALK
	28+29	28+30	LT	-	2	SIDEWALK
	28+61	28+84	RT	37	-	DRIVEWAY/PARKING LOT
	28+77	28+82	LT	-	4	SIDEWALK
	28+82	29+18	LT	-	29	DRIVEWAY
	29+18	29+25	LT	-	7	SIDEWALK
	29+57	29+68	LT	-	11	SIDEWALK
	30+05	30+68	LT	64	-	DRIVEWAY/PARKING LOT
	30+18	30+22	RT	-	5	SIDEWALK
	30+33	30+63	RT	35	-	ROADWAY
	30+37	30+39	RT	-	2.5	CURB & GUTTER
	30+68	30+78	LT	-	15	SIDEWALK
	30+68	30+70	RT	-	2.5	CURB & GUTTER
	30+74	31+03	LT	59	-	DRIVEWAY/PARKING LOT
	30+84	31+73	RT	-	114	SIDEWALK
	31+03	31+07	LT	-	5	SIDEWALK
	31+16	31+17	LT	-	1.5	CURB & GUTTER
	31+17	31+50	LT	38	-	ROADWAY
	31+43	31+44	LT	-	1.5	CURB & GUTTER
	31+47	31+52	LT	-	5	SIDEWALK
	31+95	32+08	RT (ISLAND)	-	37	SIDEWALK
	32+02	-	LT	-	5	SIDEWALK
	32+11	32+13	RT	-	2.5	CURB & GUTTER
	32+20	32+41	RT	34	-	ROADWAY
	32+33	32+35	RT	-	2.5	CURB & GUTTER
	32+40	32+44	RT	-	5	SIDEWALK
	32+44	32+50	LT	-	6	SIDEWALK
	32+55	-	LT	-	2.5	CURB & GUTTER
	32+55	-	LT & RT	38	-	ROADWAY
	32+55	-	RT	-	2.5	CURB & GUTTER
	32+55	-	RT	-	5	SIDEWALK
	PROJECT TOTALS			**967**	**1,777**	

3

3

ADJUSTING SANITARY SEWER COVERS

CATEGORY	STATION	LOCATION	(611.8110) ADJUSTING MANHOLE COVERS EACH
0010	16+89.55	14.87' RT	1
	17+23.92	8.50' LT	1
	20+65.24	7.94' LT	1
	23+98.83	6.38' LT	1
	27+31.59	7.40' LT	1
	28+78.10	3.34' LT	1
	30+93.97	4.56' LT	1
	31+35.76	4.00' LT	1
	PROJECT TOTAL		**8**

INSULATION BOARD POLYSTYRENE, 2-INCH

CATEGORY	STATION	LOCATION	(612.0902.S) INSULATION BOARD POLYSTYRENE 01. 2-INCH SY
0010	17+47	8.5' RT	3.56
	17+84	3.5' RT	3.56
	18+17	22.5' LT	3.56
	20+44	3.0' RT	3.56
	20+53	42.8' LT	3.56
	20+57	12.0' RT	3.56
	20+60	43.0' RT	3.56
	20+75	50.0' LT	3.56
	20+75	58.0' LT	3.56
	21+49	19.5' LT	3.56
	22+45	12.0' RT	3.56
	22+61	4.3' LT	3.56
	24+11	13.5' RT	3.56
	24+13	42.5' RT	3.56
	24+17	5.5' RT	3.56
	24+51	18.0' RT	3.56
	24+64	5.0' RT	3.56
	25+84	3.7' RT	3.56
	25+94	19.1' RT	3.56
	27+10	3.7' RT	3.56
	27+23	45.4' LT	3.56
	27+43	11.6' RT	3.56
	27+44	42.5' RT	3.56
	27+90	28.0' LT	3.56
	29+04	9.4' RT	3.56
	29+32	18.5' LT	3.56
	30+60	11.7' RT	3.56
	30+67	ON LINE	3.56
	30+73	52.0' RT	3.56
	30+90	23.3' RT	3.56
	31+21	26.3' RT	3.56
	31+24	34.3' LT	3.56
	32+12	50.8' RT	3.56
	PROJECT TOTAL		**117.48**

EXISTING WATERMAIN ITEMS

CATEGORY	STATION	LOCATION	(SPV.0060.51) ABANDON EXISTING WATERMAIN EACH	(SPV.0060.27) WATERMAIN OFFSET 6-INCH EACH	(SPV.0060.28) WATERMAIN OFFSET 12-INCH EACH	(SPV.0060.35) ABANDON INACTIVE SERVICE EACH
0010	17+46.3	3.6' RT	-	-	1	-
	18+75.0	23.2' RT	-	-	-	1
	19+23.3	23.7' RT	-	-	-	1
	19+49.0	24.0' RT	-	-	-	1
	19+90.3	23.9' RT	-	-	-	1
	19+98.8	24.1' RT	-	-	-	1
	20+65.4	79.2' LT	-	1	-	-
	20+83.1	86.3' RT	-	1	-	-
	22+81.2	23.8' RT	-	-	-	1
	23+17.0	24.2' RT	-	-	-	1
	24+11.5	24.7' RT	-	1	-	-
	24+69.5	25.8' RT	-	-	-	1
	25+39.4	31.4' LT	-	-	-	1
	26+15.1	26.0' LT	-	-	-	1
	27+34.4	91.9' LT	-	1	-	-
	27+47.2	66.6' RT	-	1	-	-
	29+39.3	28.5' RT	-	-	-	1
	30+70.8	11.8' RT	-	-	1	-
	30+80.3	39.7' RT	-	-	1	-
	30+61.7	72.6' RT	-	-	1	-
	31+18.8	25.4' LT	-	-	1	-
	31+40.9	65.0' LT	-	-	1	-
	32+14.6	52.8' RT	-	-	1	-
	32+36.5	70.1' RT	-	-	1	-
	PROJECT 5990-01-42		1	-	-	-
	PROJECT TOTALS		**1**	**5**	**8**	**11**

GATE VALVE WITH VALVE BOX

CATEGORY	STATION	LOCATION	(SPV.0060.30) GATE VALVE WITH VALVE BOX, 6-INCH EACH	(SPV.0060.31) GATE VALVE WITH VALVE BOX, 8-INCH EACH	(SPV.0060.32) GATE VALVE WITH VALVE BOX, 12-INCH EACH
0010	17+50.21	3.38' RT	-	-	1
	20+36.24	3.15' RT	-	-	1
	20+52.62	51.69' LT	-	1	-
	20+61.16	59.10' RT	-	1	-
	23+85.74	5.36' RT	-	-	1
	24+11.39	23.48' RT	1	-	-
	25+65.56	0.00'	1		
	27+17.92	3.67' RT	-	-	1
	27+22.13	64.41' LT	-	1	-
	27+42.96	18.59' RT	-	1	-
	30+54.06	11.69' RT	-	-	1
	PROJECT TOTALS		**2**	**4**	**5**

NEW HYDRANT AND GATE VALVE WITH VALVE BOX

CATEGORY	STATION	LOCATION	(SPV.0060.29) NEW HYDRANT AND GATE VALVE WITH VALVE BOX EACH
0010	20+78.90	50.5' LT	1
	24+51.60	26.2' RT	1
	27+48.00	61.0' LT	1
	PROJECT TOTAL		**3**

WATER SERVICE REPLACEMENT

CATEGORY	STATION	LOCATION	(SPV.0060.33) WATER SERVICE REPLACEMENT SHORT EACH	(SPV.0060.34) WATER SERVICE REPLACEMENT LONG EACH
0010	18+16.9	LT	-	1
	18+61.8	LT	-	1
	19+46.1	LT	-	1
	19+77.9	LT	-	1
	20+06.8	LT	-	1
	21+48.6	LT	-	1
	22+32.3	LT	-	1
	24+37.7	LT	-	1
	25+93.8	RT	1	-
	26+48.1	LT	-	1
	27+90.4	LT	-	1
	28+60.0	LT	-	1
	29+32.3	LT	-	1
	30+67.3	LT	-	1
	PROJECT TOTALS		**1**	**13**

CONSTRUCTION STAKING WATERMAIN

CATEGORY	DESCRIPTION	(SPV.0060.52) CONSTRUCTION STAKING WATERMAIN EACH
0010	PROJECT 5990-01-42	1
	PROJECT TOTAL	**1**

WATERMAIN GRANULAR BACKFILL SPECIAL

CATEGORY	DESCRIPTION	(SPV.0035.02) WATERMAIN GRANULAR BACKFILL SPECIAL CY
0010	PROJECT 5990-01-42	1,635
	PROJECT TOTAL	**1,635**

DUCTILE IRON WATERMAIN

CATEGORY	FROM STATION	TO STATION	LOCATION	(SPV.0090.06) DUCTILE IRON WATERMAIN 6-INCH LF	(SPV.0090.07) DUCTILE IRON WATERMAIN 8-INCH LF	(SPV.0090.08) DUCTILE IRON WATERMAIN 12-INCH LF
0010	17+46.35	17+50.21	RT	-	-	2
	17+50.21	17+93.44	RT	-	-	42
	17+93.44	18+05.98	RT	-	-	12
	18+05.98	19+55.37	RT	-	-	148
	19+55.37	19+69.08	RT	-	-	13
	19+69.08	20+36.24	RT	-	-	66
	20+36.24	20+51.61	RT	-	-	19
	20+51.61	20+53.03	RT & LT	-	49	-
	20+53.03	20+78.90	LT	23	-	-
	20+53.03	20+52.62	LT	-	3	-
	20+52.62	20+52.24	LT	-	3	-
	20+52.24	20+82.60	LT	30	-	-
	20+52.02	20+51.61	LT	2	-	-
	20+51.61	20+65.50	LT	22	-	-
	20+51.61	20+61.17	RT	-	55	-
	20+61.17	20+61.60	RT	-	4	-
	20+61.60	20+61.95	RT	3	-	-
	20+61.95	20+83.07	RT	26	-	-
	20+51.61	22+45.10	RT	-	-	186
	22+45.10	22+45.00	RT		29	-
	22+45.10	23+26.52	RT	-	-	80
	23+26.52	23+26.90	RT & LT	44	-	-
	23+26.52	23+85.74	RT	-	-	58
	23+85.74	24+10.32	RT	-	-	23
	24+10.32	24+11.39	RT	17	-	-
	24+10.32	24+51.06	RT	-	-	39
	24+51.06	24+51.60	RT	18	-	-
	24+51.06	25+65.56	RT	-	-	113
	25+65.56	25+65.56	RT	3	-	-
	25+65.56	25+65.30	LT	40	-	-
	25+65.56	27+17.92	RT	-	-	151
	27+17.92	27+25.88	RT	-	-	7
	27+25.88	27+22.44	RT & LT	-	61	-
	27+22.44	27+48.00	LT	23	-	-
	27+22.44	27+22.13	LT	-	4	-
	27+22.13	27+21.78	LT	-	5	-
	27+21.78	27+21.58	LT	2	-	-
	27+21.58	27+34.78	LT	21	-	-
	27+25.88	27+42.34	RT	-	-	15
	27+42.34	27+24.96	RT	-	14	-
	27+24.96	27+45.00	RT	-	40	-
	27+45.00	27+45.18	RT	1	-	-
	27+45.18	27+47.05	RT	2	-	-
	27+47.05	27+47.20	RT	1	-	-
	27+42.34	28+78.79	RT	-	-	136
	28+78.79	29+10.84	RT	-	-	34
	29+10.84	30+54.06	RT	-	-	144
	30+54.06	30+70.80	RT	-	-	16
	30+80.30	30+61.7	RT	-	-	38
	31+18.80	31+40.90	LT	-	-	45
	32+14.60	32+36.50	RT	-	-	28
		PROJECT TOTALS		**278**	**267**	**1,415**

CONVENTIONAL SYMBOLS

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

SECTION CORNER SYMBOL (31 / 23 24 / 26 25 / 35 / 36 1)
SECTION CORNER MONUMENT
SIGN (SIGN)
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
OFF-PREMISE SIGN (41-25) (SIGN)

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

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	□
TELEPHONE POLE	◪	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	⧓	⧓

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER (25) — UTILITY NUMBER (40)
PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

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

CONVENTIONAL ABBREVIATIONS

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

CURVE DATA ABBREVIATIONS

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

NOTES:

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

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

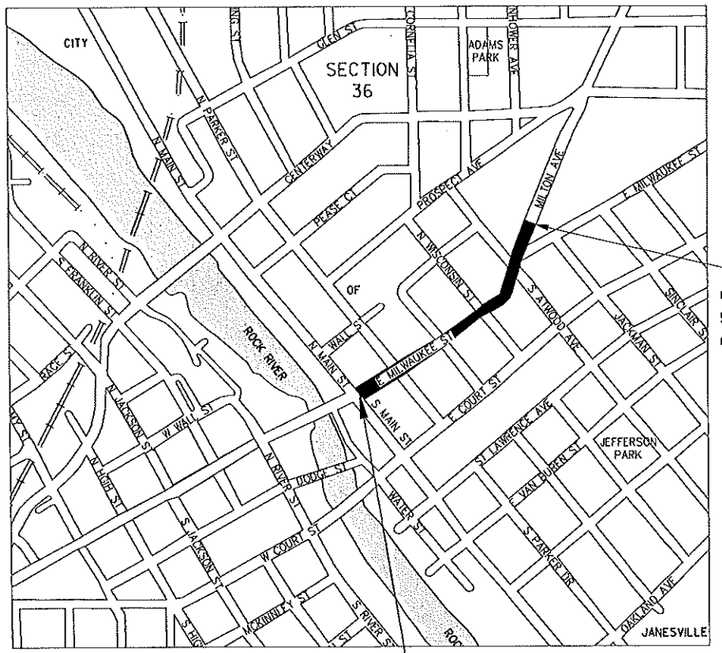
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE DETAIL PAGES.

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

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL TLES ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.



END RELOCATION ORDER
STA 33+50.00
Y=270,219.593
X=494,484.601
APPROXIMATELY 1058 FEET EAST OF AND 258 FEET SOUTH OF THE NORTH QUARTER CORNER OF SECTION 36, T-3-N, R-12-E, CITY OF JANESVILLE, ROCK COUNTY, WI

BEGIN RELOCATION ORDER
STA 17+61.90
Y=269,177.259
X=493,376.957
APPROXIMATELY 50 FEET WEST OF AND 1300 FEET SOUTH OF THE NORTH QUARTER CORNER OF SECTION 36, T-3-N, R-12-E, CITY OF JANESVILLE, ROCK COUNTY, WI

LAYOUT
SCALE 0 — 1000

TOTAL NET LENGTH OF CENTERLINE = 0.302 MI

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
5990-01-41		
CONSTRUCTION PROJECT NUMBER 5990-01-41	4.01	3

PLAT OF RIGHT OF WAY REQUIRED FOR

CITY OF JANESVILLE, E. MILWAUKEE ST. (ATWOOD AVE. TO MAIN ST.)

LOCAL STREET	ROCK COUNTY

ORIGINAL PLANS PREPARED BY
MSA
1702 Pankratz Street, Madison, WI 53704
608-242-7779 1-800-446-0679 Fax: 608-242-5664

WISCONSIN
BRADLEY L. TISDALE
S-2824
WAUNAKEE
WI
LAND SURVEYOR

11/29/2021 (DATE)
Bradley L Tisdale (Professional Land Surveyor)

RECEIVED
DEC 14 2021
COUNTY CLERK
ROCK COUNTY, WI

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

REVISION DATE	CITY OF JANESVILLE
	APPROVED FOR THE CITY OF JANESVILLE DATE: 12/14/2021 (Signature)

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SF REQUIRED			TLE SQ FT
			NEW	EXISTING	TOTAL	
1	ONE PARKER PLACE, A WISCONSIN PARTNERSHIP, ARTHUR T. DONALDSON, FRED FOX AND NORMAL J. WEITZEL, PARTNERS	TLE	--	--	--	642
2	APG REAL PROPERTIES, LLC, A DELAWARE LIMITED LIABILITY COMPANY	TLE	--	--	--	737
3	THE ROCK COUNTY NATIONAL BANK OF JANESVILLE	FEE/TLE	12	--	12	118

RW POINT	STATION	OFFSET
100	17+61.90	0.00'
101	17+61.90	-36.54'
102	20+28.38	-36.26'
103	20+95.03	-35.90'
104	23+62.52	-35.30'
105	24+29.01	-34.73'
130	24+36.77	33.78'
131	24+37.66	41.74'
132	23+71.18	41.17'
133	23+70.29	33.16'
134	21+03.46	32.47'
135	20+36.61	33.05'
136	20+37.20	38.01'
137	20+31.61	33.04'
138	17+69.70	32.88'

LINE	BEARING	DISTANCE
100-101	N32°30'43"W	36.54'
130-131	S39°14'46"E	8.01'
132-133	N39°14'46"W	8.06'
135-136	S39°20'35"E	5.00'
136-137	N80°54'58"W	7.48'
138-100	N45°51'20"W	33.79'

TLE POINT	STATION	OFFSET
500	23+12.03	-35.43'
501	23+12.05	-40.43'
502	23+42.70	-40.36'
503	23+42.68	-35.36'
534	24+46.96	42.41'
535	24+45.99	33.82'
536	23+50.77	41.05'
537	23+46.25	27.84'
538	23+24.28	37.28'
539	23+23.77	32.98'
540	22+62.51	32.84'
541	22+62.75	34.74'
542	22+15.41	37.73'
543	21+47.54	37.58'
544	21+46.85	33.00'
545	21+50.32	32.58'
546	20+37.80	42.97'
547	20+32.83	43.56'
548	20+32.17	38.04'
549	20+15.80	38.03'
550	20+15.81	33.14'

NOTES:
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: ORIGINAL PLAT OF THE CITY OF JANESVILLE AND COMBS PLAT OF SURVEY DATED APRIL 8TH, 2020.

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

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY 3/4"X24" REBAR) AND ARE PLACED AT THE COMPLETION OF THE CONSTRUCTION PROJECT.

FOUND ALUMINUM MONUMENT
Y: 270,477.652
X: 493,427.028

T 3 N, R 12 E, Sec 25 / 36

S87°42'26"E 2669.00'

S02°12'18"W 1301.36'

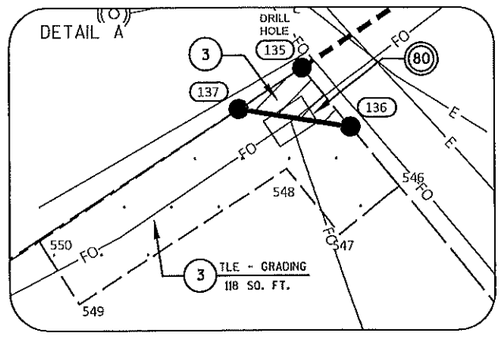
FOUND 3/8" DRILL HOLE
Y: 270,370.883
X: 496,093.888

T 3 N, R 12 E, Sec 25 / 30 / 36 / 31, R 13 E

GN

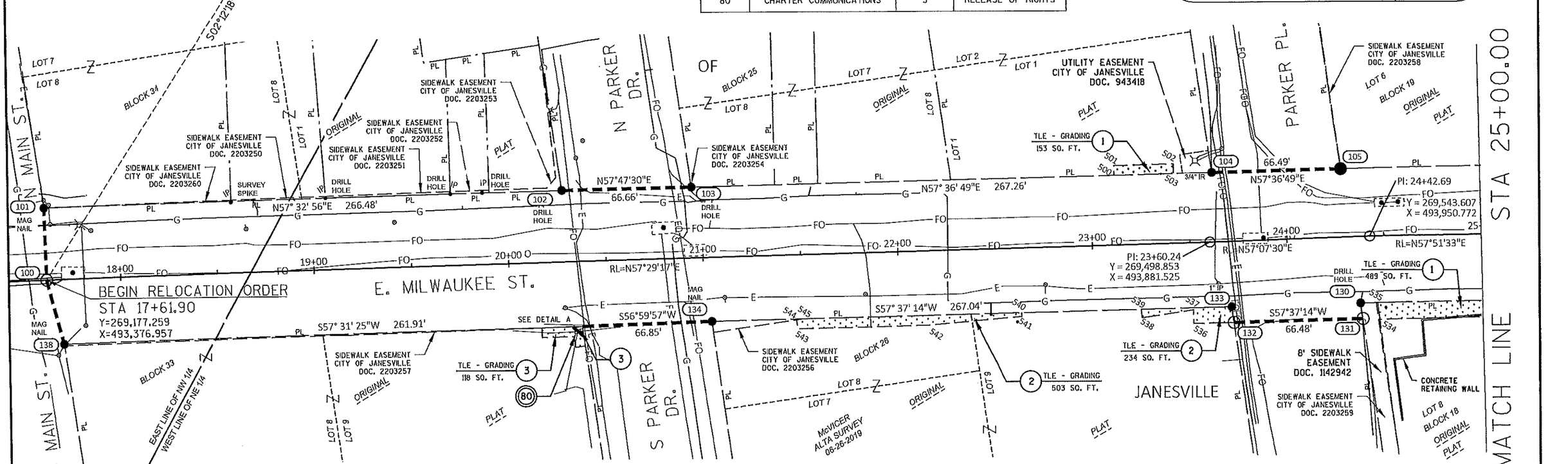
CITY

DETAIL A



UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	PARCEL AFFECTED	INTEREST REQUIRED
80	CHARTER COMMUNICATIONS	3	RELEASE OF RIGHTS



REVISION DATE	DATE 11/29/2021	SCALE, FEET 0 25 50	HWY: MILWAUKEE STREET	STATE R/W PROJECT NUMBER 5990-01-41	PLAT SHEET 4.02
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-01-41	PS&E SHEET 151 E

FILE NAME : 00879073_MILWAUKEE ST_PLAT.DWG
LAYOUT NAME - PLAT 2 OF 3
PLOT DATE : 11/29/2021 6:10 PM PLOT BY : BRAD TISDALE PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 75

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ FT REQUIRED			TLE SQ FT
			NEW	EXISTING	TOTAL	
4	WISCONSIN TELEPHONE COMPANY	TLE	--	--	--	326
5	POND PROPERTIES LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	--	--	--	99
6	WAGENER PROPERTIES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	--	--	--	214
7	BLACKHAWK APARTMENTS, LLC	TLE	--	--	--	386
8	425 E. MILWAUKEE ST., LLC	TLE	--	--	--	647
9	GIDEON N. NGOBI AND JOY B. NGOBI, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	TLE	--	--	--	534
10	KYLE CHROSTOWSKI, A/K/A KYLE J. CHROSTOWSKI	TLE	--	--	--	129
11	ONE PARKER PLACE, A GENERAL PARTNERSHIP	FEE/TLE	221	--	221	2361
12	FDW PROPERTIES, LTD., A WISCONSIN CORPORATION	TLE	--	--	--	600

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	PARCEL AFFECTED	INTEREST REQUIRED
81	AT&T	6	RELEASE OF RIGHTS
82	ALLIANT ENERGY	11	RELEASE OF RIGHTS

NOTES:
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: ORIGINAL PLAT OF THE CITY OF JANESVILLE, DAWSON'S SUBDIVISION OF BLOCK 10 OF THE ORIGINAL PLAT OF THE CITY OF JANESVILLE, PROSPECT ADDITION TO THE CITY OF JANESVILLE, AND COMBS PLAT OF SURVEY DATED APRIL 8TH, 2020.

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

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY 3/4"X24" REBAR) AND ARE PLACED AT THE COMPLETION OF THE CONSTRUCTION PROJECT.

FOUND ALUMINUM MONUMENT
Y: 270,477.652
X: 493,427.028

S87°42'26"E 1067.05'

N87°42'26"W 1601.95'

FOUND 3/8" DRILL HOLE
Y: 270,370.883
X: 496,093.888

END RELOCATION ORDER
STA 33+50.00
Y=270,219.593
X=494,484.601

PI = 28+85.89
Y = 269,780.236
X = 494,325.515
Δ = 37°57'16" LT
D = 45°50'12"
T = 42.99'
L = 82.80'
R = 125.00'
PC = 28+42.91
PT = 29+25.71

PI: 27+67.89
Y = 269,717.459
X = 494,225.598

PI: 27+08.22
Y = 269,684.871
X = 494,175.610

RW POINT	STATION	OFFSET
106	26+95.09	-35.81'
107	27+62.08	-35.20'
108	28+86.82	-29.94'
109	30+73.36	-34.42'
110	31+03.49	-85.14'
111	31+76.50	-79.08'
112	31+47.98	-31.28'
113	33+50.00	-32.39'
114	33+50.00	0.00'
115	33+50.00	33.05'
116	32+29.13	33.71'
--	--	--
--	--	--
--	--	--
120	31+37.98	45.89'
121	30+97.87	53.19'
122	30+16.94	60.33'
123	30+12.64	57.79'
124	30+13.00	38.67'
125	28+87.49	43.94'
126	27+70.35	33.74'
127	27+71.26	40.90'
128	27+04.76	40.13'
129	27+03.85	32.97'

TLE POINT	STATION	OFFSET
504	25+45.07	-35.10'
505	25+45.04	-40.10'
506	26+10.18	-40.41'
507	26+10.20	-35.41'
508	26+30.63	-35.51'
509	26+30.61	-40.51'
510	26+50.53	-40.59'
511	26+50.55	-35.88'
512	28+31.09	-35.49'
513	28+31.06	-36.33'
514	28+77.51	-35.23'
515	29+00.36	-37.71'
516	30+70.51	-39.42'
517	30+97.95	-85.60'
518	31+02.25	-83.05'
519	31+53.96	-41.31'

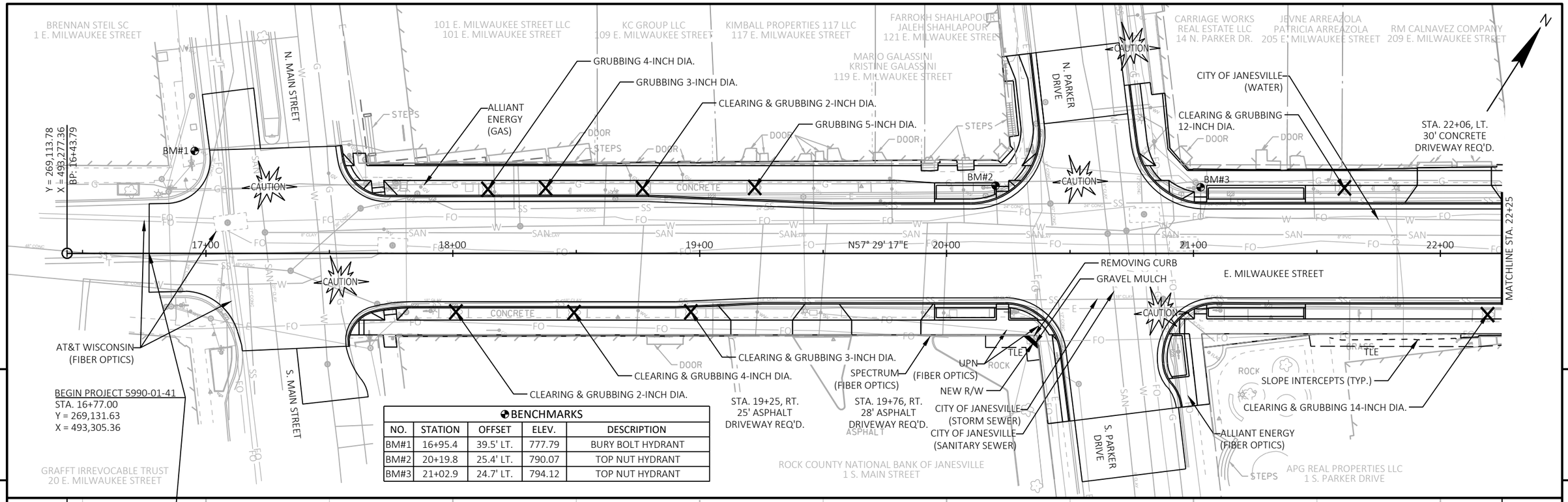
TLE POINT	STATION	OFFSET
520	32+04.30	-41.59'
521	32+04.36	-31.59'
522	32+54.68	33.57'
523	32+39.13	33.65'
524	32+36.91	39.99'
525	32+44.61	46.20'
526	30+12.77	50.66'
527	29+00.83	51.89'
528	28+86.67	48.85'
529	27+04.60	38.96'
530	26+88.49	39.02'
531	26+87.31	33.02'
532	25+65.93	33.42'
533	25+66.08	41.43'
551	28+82.80	-30.98'
552	29+01.25	-32.73'

LINE	BEARING	DISTANCE
111-112	S39°16'18"E	55.66'
113-114	S70°05'43"E	32.39'
114-115	S70°05'43"E	33.05'
122-123	S50°30'24"W	5.00'
123-124	N69°01'54"W	19.13'
126-127	S39°22'56"E	7.22'
128-129	N39°22'56"W	7.22'

REVISION DATE	DATE 11/29/2021	SCALE, FEET 0 25 50	HWY: MILWAUKEE STREET	STATE R/W PROJECT NUMBER 5990-01-41	PLAT SHEET 4.03
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER 5990-01-41	PS&E SHEET

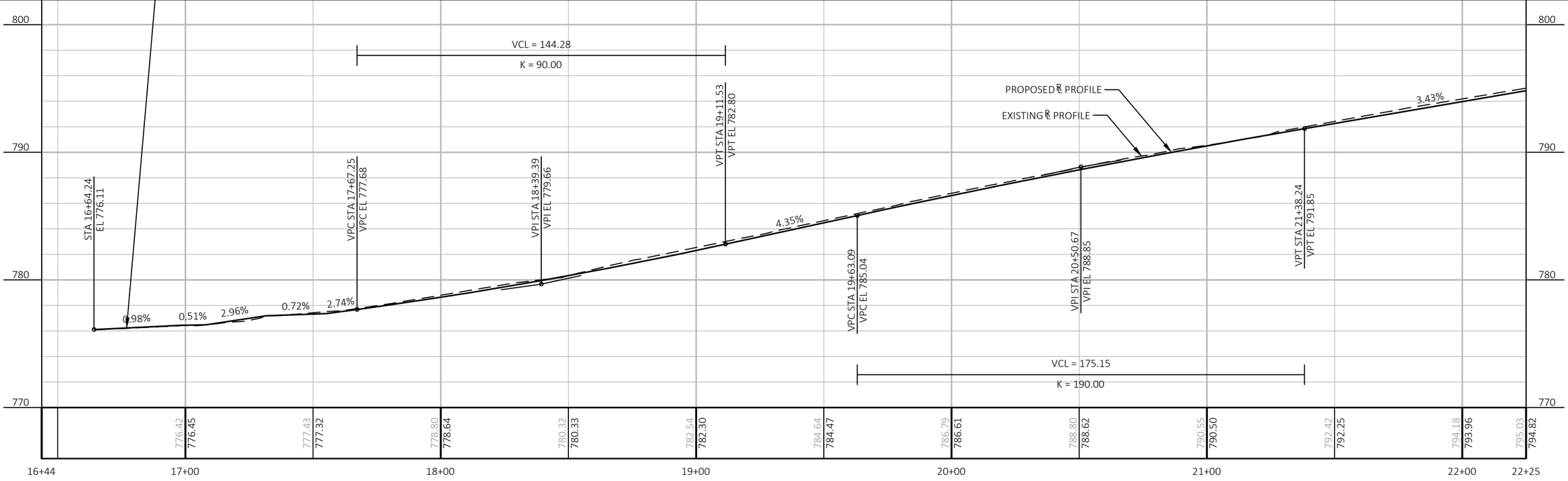
152 E

FILE NAME: 00879073_MILWAUKEE ST_PLAT.DWG
LAYOUT NAME - PLAT 3 OF 3
PLOT DATE: 11/29/2021 5:55 PM PLOT BY: BRAD TISDALE PLOT NAME: PLOT SCALE: 1 IN:50 FT
WISDOT/CADDS SHEET 75



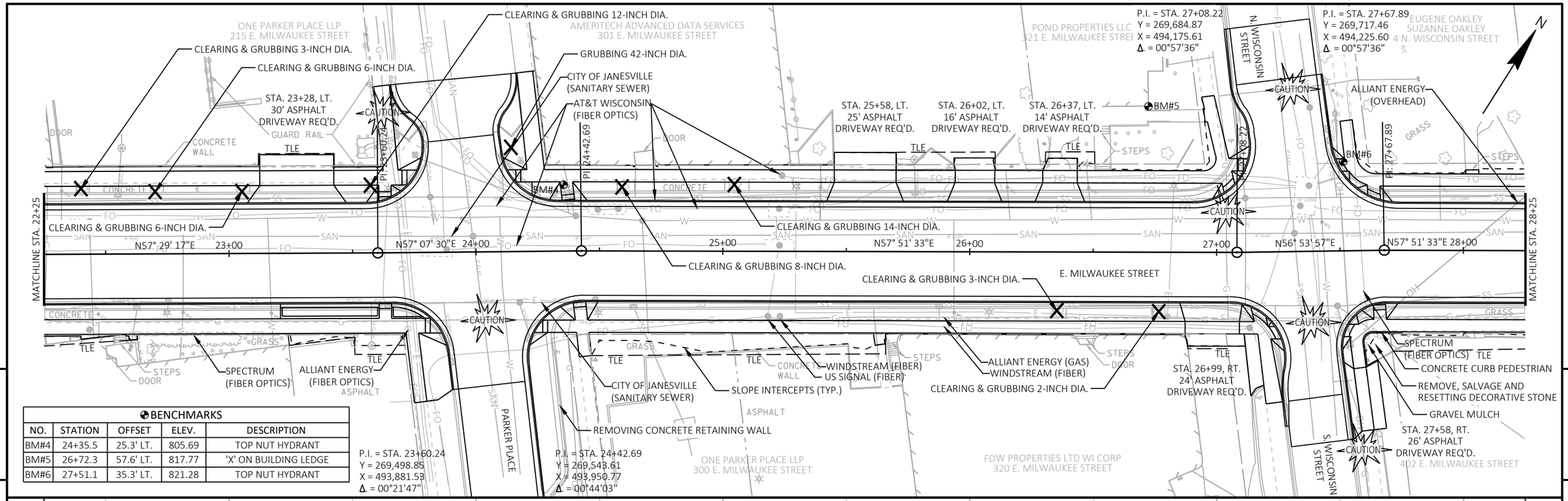
BENCHMARKS				
NO.	STATION	OFFSET	ELEV.	DESCRIPTION
BM#1	16+95.4	39.5' LT.	777.79	BURY BOLT HYDRANT
BM#2	20+19.8	25.4' LT.	790.07	TOP NUT HYDRANT
BM#3	21+02.9	24.7' LT.	794.12	TOP NUT HYDRANT

BEGIN PROJECT 5990-01-41
STA. 16+77.00
Y = 269,131.63
X = 493,305.36

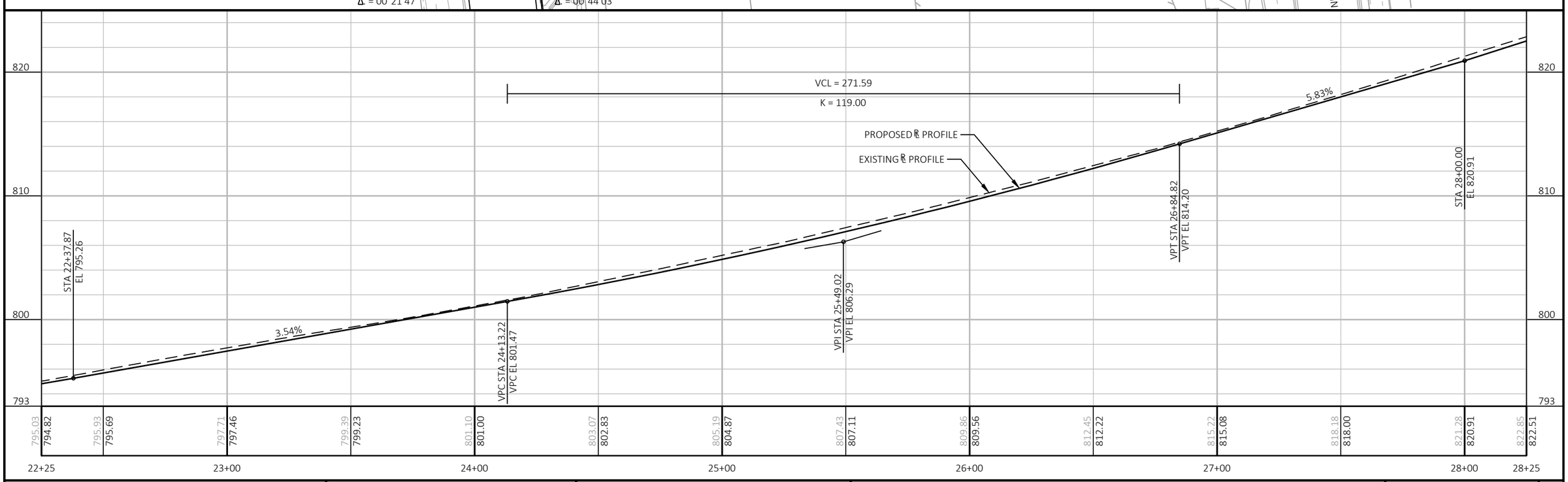


PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PLAN AND PROFILE: EAST MILWAUKEE STREET	SHEET 153	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101-pp
PLOT DATE : 7/24/2022 2:02 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



BENCHMARKS				
NO.	STATION	OFFSET	ELEV.	DESCRIPTION
BM#4	24+35.5	25.3' LT.	805.69	TOP NUT HYDRANT
BM#5	26+72.3	57.6' LT.	817.77	'X' ON BUILDING LEDGE
BM#6	27+51.1	35.3' LT.	821.28	TOP NUT HYDRANT



PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	PLAN AND PROFILE: EAST MILWAUKEE STREET	SHEET 154 E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050102-pp
PLOT DATE : 7/24/2022 2:02 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

P.I. = STA. 28+85.89
Y = 269,780.24
X = 494,325.52
DELTA ANGLE = 37°57'16.56"
DEGREE OF CURVATURE = 45°50'11.76"
T. = 42.99'
L. = 82.80'
R. = 125.00'
P.C. = STA. 28+42.91
Y = 269,757.37
X = 494,289.12
P.T. = STA. 29+25.71
Y = 269,820.65
X = 494,340.15

BENCHMARKS				
NO.	STATION	OFFSET	ELEV.	DESCRIPTION
BM#7	31+20.7	31.1' RT.	845.01	BURY BOLT HYDRANT

WAGENER PROPERTIES LLC
409 E. MILWAUKEE STREET
BLACKHAWK APARTMENTS LLC
419 E. MILWAUKEE STREET
425 E. MILWAUKEE ST LLC
425 E. MILWAUKEE STREET
GIDEON NGOBI
JOY NGOBI
209 MILTON AVENUE
KYLE CHROSTOWSKI
509 E. MILWAUKEE STREET
GREGORY KOWAL
500 E. MILWAUKEE STREET
ONE PARKER PLACE LLP
418 E. MILWAUKEE STREET

DO NOT DISTURB SHRUBS
GRAVEL MULCH
CLEARING & GRUBBING 8-INCH DIA.
CLEARING & GRUBBING 10-INCH DIA.
CLEARING & GRUBBING 12-INCH DIA.
CLEARING & GRUBBING 14-INCH DIA.
CLEARING & GRUBBING 40-INCH DIA.
GRUBBING 12-INCH DIA.
SLOPE INTERCEPTS (TYP.)
CITY OF JANESVILLE (STORM SEWER)
CITY OF JANESVILLE (WATER)
CITY OF JANESVILLE (SANITARY SEWER)
AT&T WISCONSIN (FIBER OPTICS)
ALLIANT ENERGY (GAS)
ALLIANT ENERGY (OVERHEAD)
STA. 28+98, LT. 24' CONCRETE DRIVEWAY REQ'D.
STA. 28+73, RT. 30' ASPHALT DRIVEWAY REQ'D.
STA. 30+26, LT. 30' ASPHALT DRIVEWAY REQ'D.
STA. 31+00, LT. 30' ASPHALT DRIVEWAY REQ'D.
TLE VACATED
NEW R/W
CONCRETE CURB PEDESTRIAN
REMOVING CONCRETE SIDEWALK
MATCHLINE STA. 28+25
PC 28+42.91
PT 29+25.71
N57°51'33"E
N19° 54' 17"E
EP: 33+53.91
Y = 270,223.27
X = 494,485.93
BM#7
E. MILWAUKEE STREET
MILTON AVENUE
N. ATWOOD AVENUE
S. ATWOOD AVENUE
E. MILWAUKEE STREET
CAUTION
END PROJECT 5990-01-41
STA. 32+54.50
Y = 270,129.94
X = 494,452.14

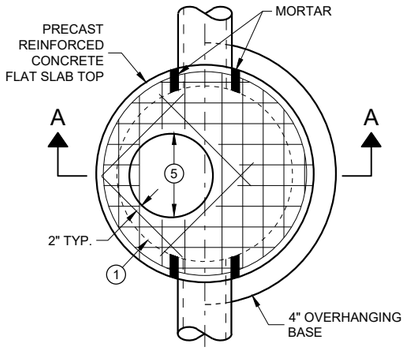
VCL = 193.38
K = 64.00
3.39%
PROPOSED ℄ PROFILE
EXISTING ℄ PROFILE
6.41%
VPC STA 31+09.71
VPC EL 840.76
VPI STA 32+06.40
VPI EL 846.96
VPT STA 33+03.09
VPT EL 850.23
STA 33+23.26
EL 850.92

| | | | |

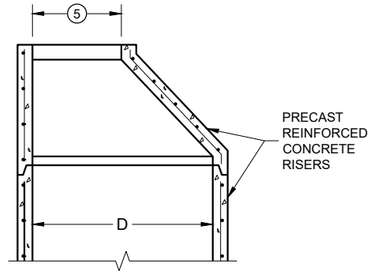
Standard Detail Drawing List

08B09-03	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-03	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-12	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
09C14-03	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D04-03	LIGHTING CONTROL CABINET 120/240 VOLT
09E01-15C	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4
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.
09F08-04	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-10	URBAN DOWELED CONCRETE PAVEMENT
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C18-07F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
14A02-01	TREE PLANTING DETAIL
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C08-21A	LONGITUDINAL MARKING (MAINLINE)
15C08-21B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-21C	PAVEMENT MARKING (TURN LANES)
15C08-21D	PAVEMENT MARKING (TURN LANES)
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-05A	PAVEMENT MARKING (INTERSECTIONS)
15C36-01	PARKING STALL MARKING
15D20-06A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D30-07A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-07C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-07F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

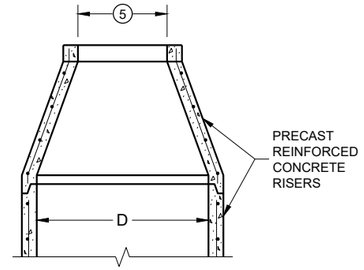
6



PLAN VIEW
CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

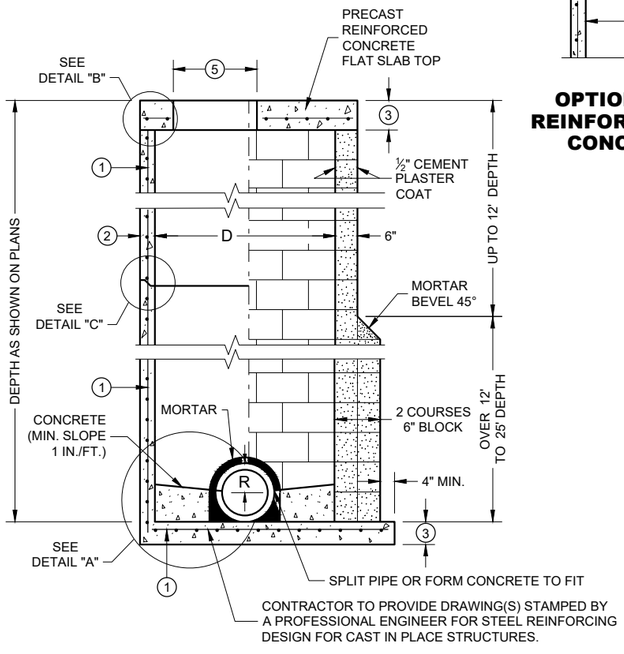
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.).

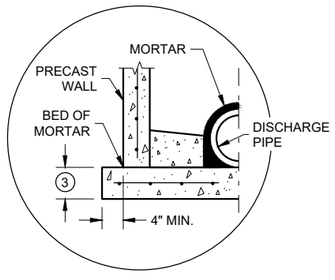
(5) SEE MANHOLE COVER OPENING MATRIX.



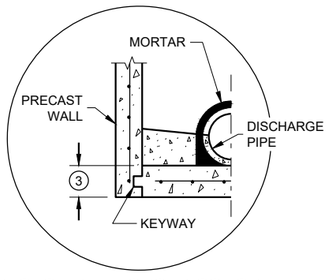
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

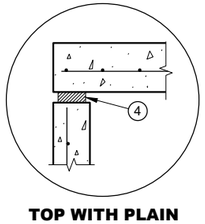


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

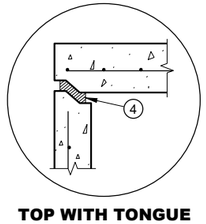


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

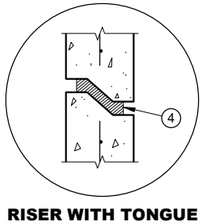
DETAIL "A"



TOP WITH PLAIN END JOINT

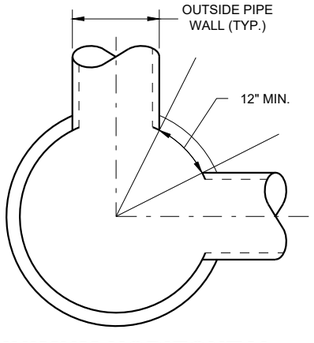


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**



MINIMUM HORIZONTAL PIPE SEPARATION

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

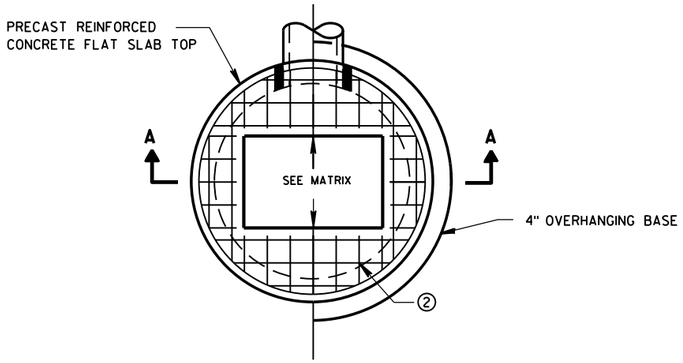
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

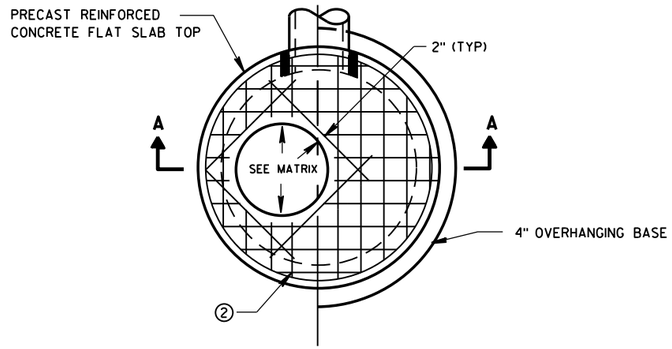
FHWA

SDD 08B09 - 03

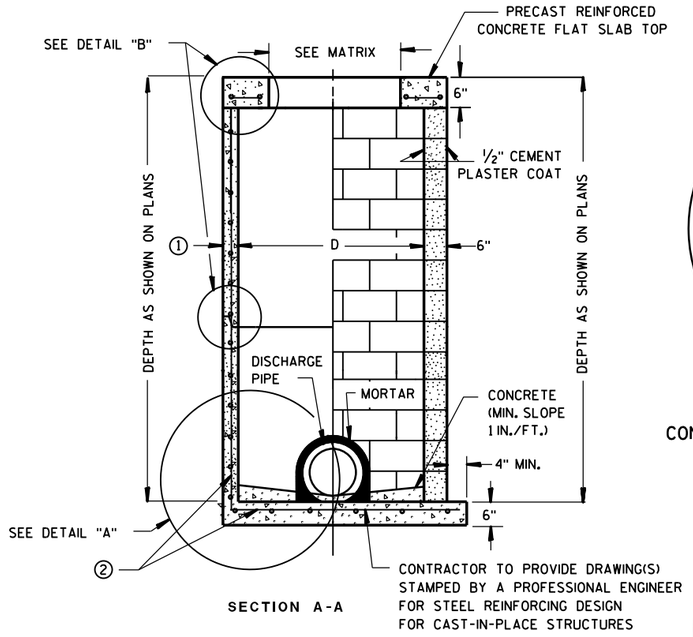
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SDD 08B09 - 03



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

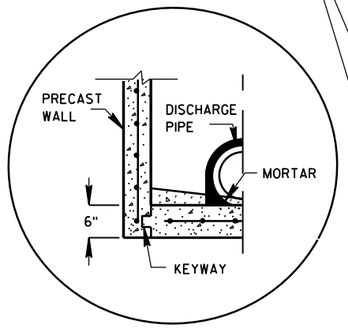


SECTION A-A

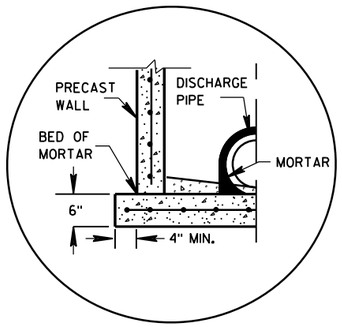
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

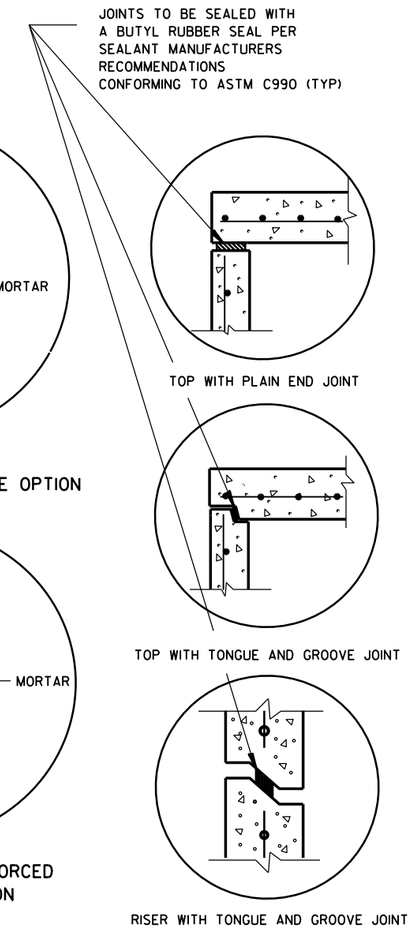


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

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ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

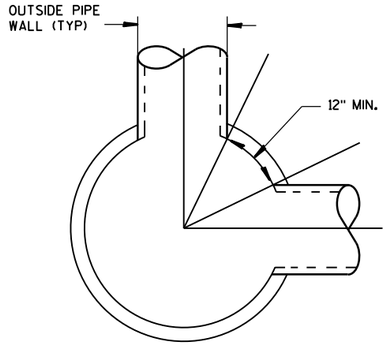
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

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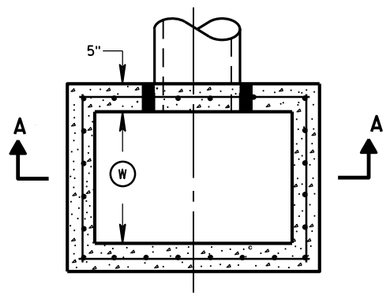
APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

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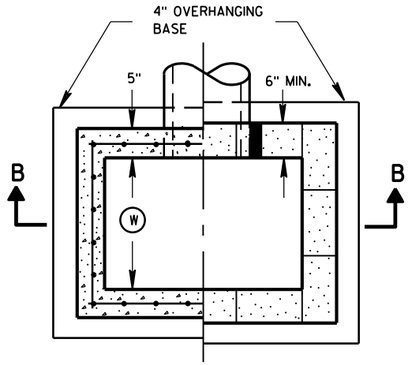
S.D.D. 8 C 6-2

6

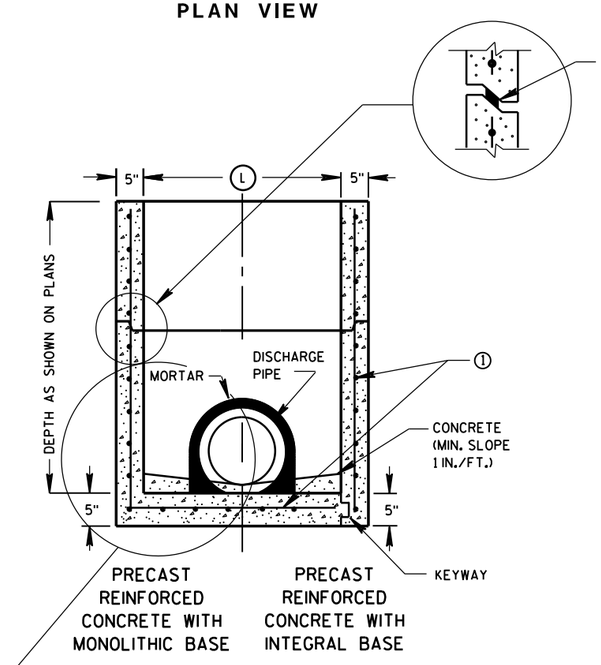
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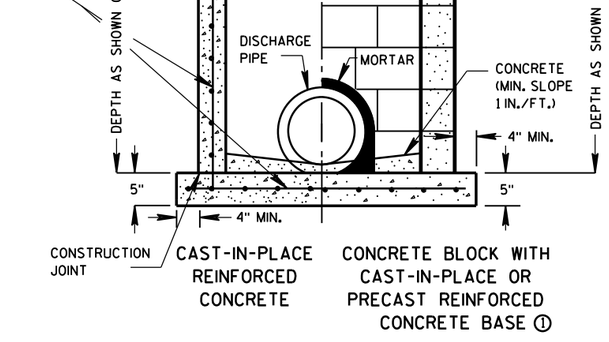
PLAN VIEW



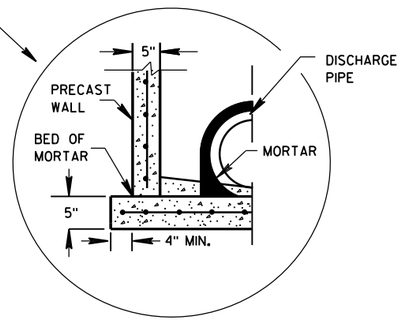
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

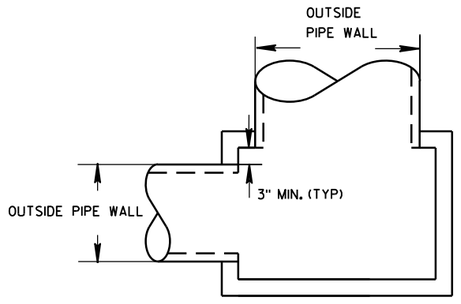
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



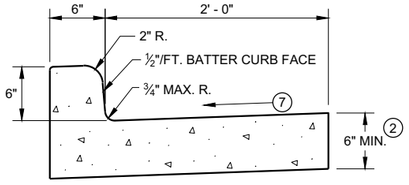
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

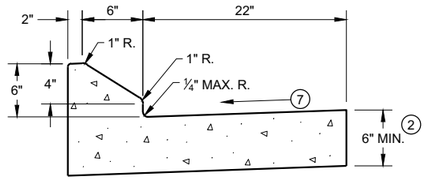
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
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FHWA

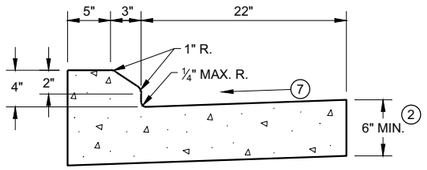
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT



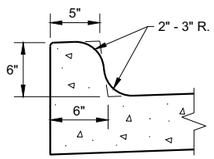
TYPES A (1) & D



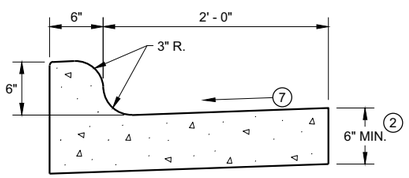
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

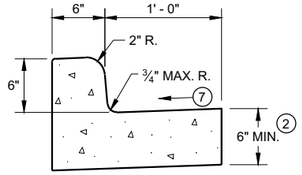


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



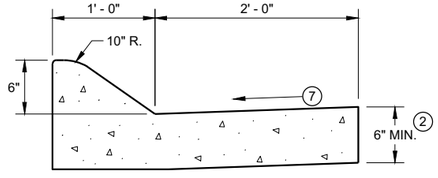
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

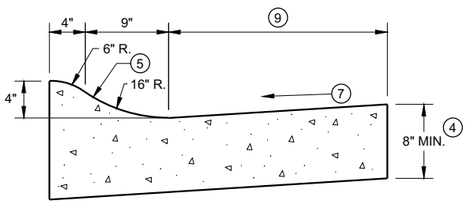
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

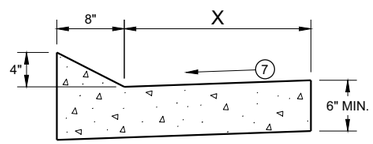
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

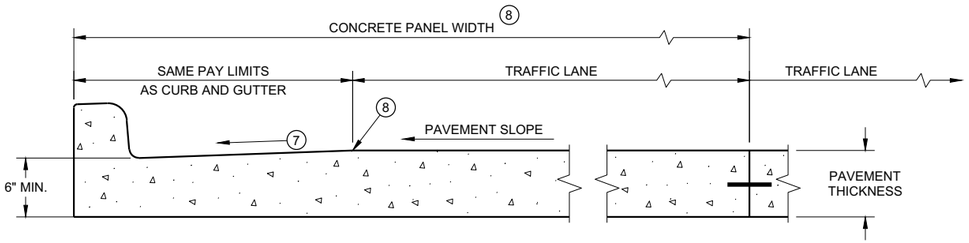


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

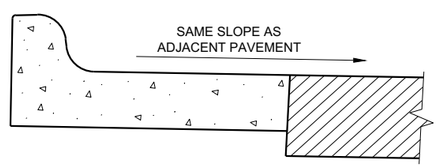
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

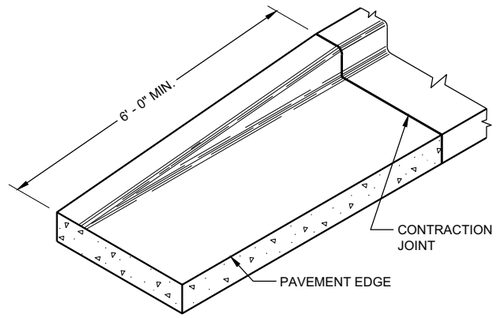
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

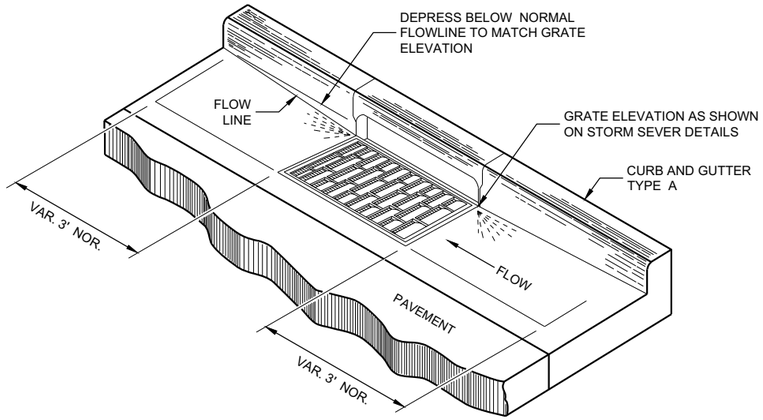
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D01 - 22a
SDD 08D01 - 22a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS
(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

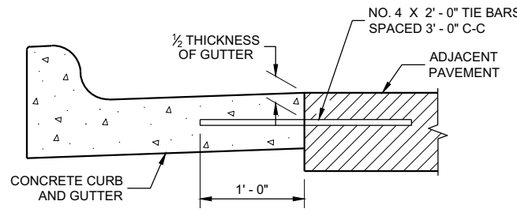
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

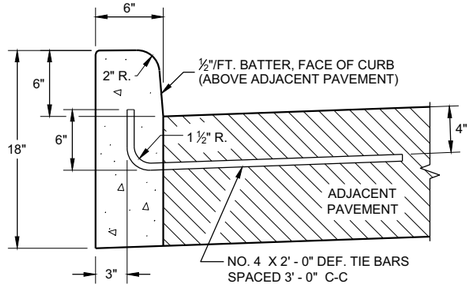
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

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

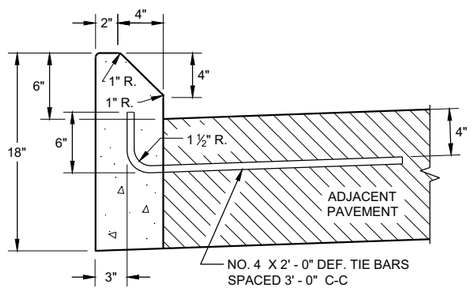
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

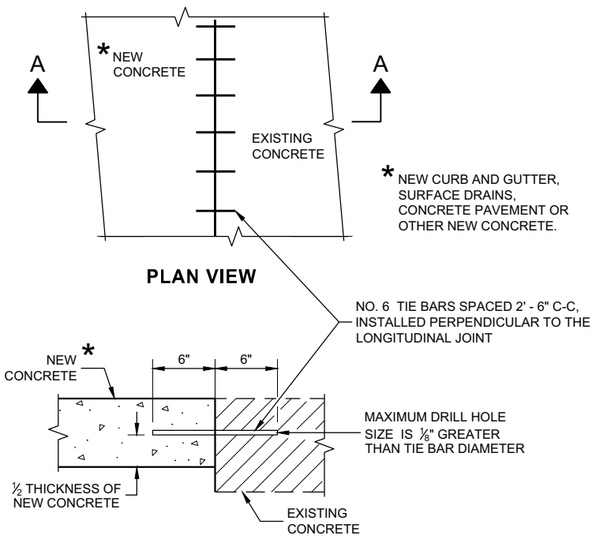


TYPES A (1) & D



TYPES G (1) & J

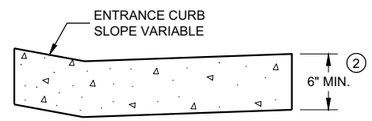
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

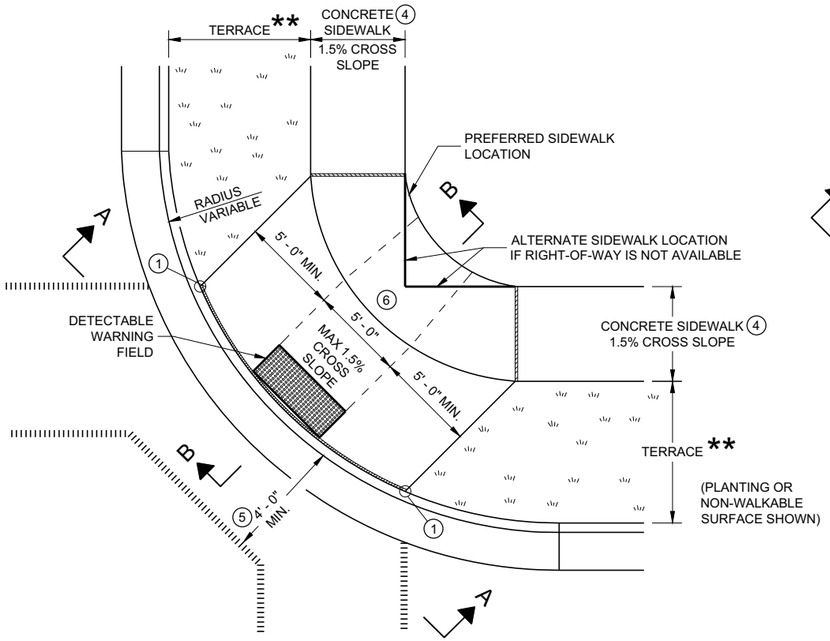
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

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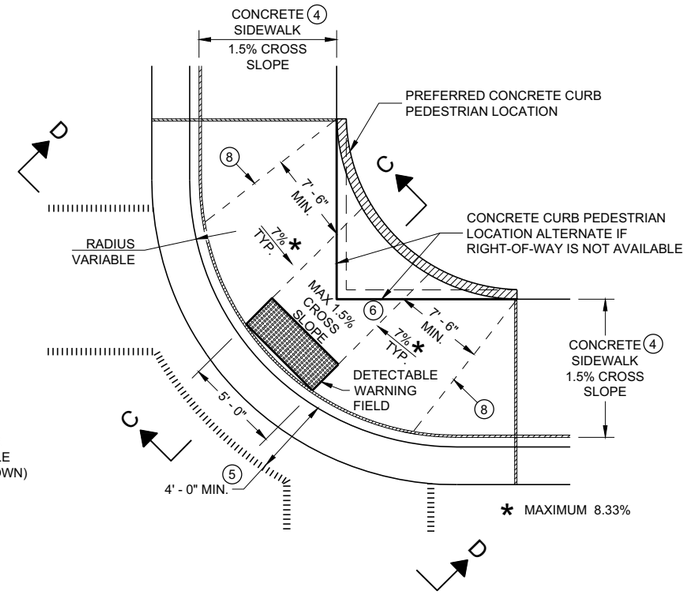
SDD08D01 - 22b



PLAN VIEW

CURB RAMP TYPE 1

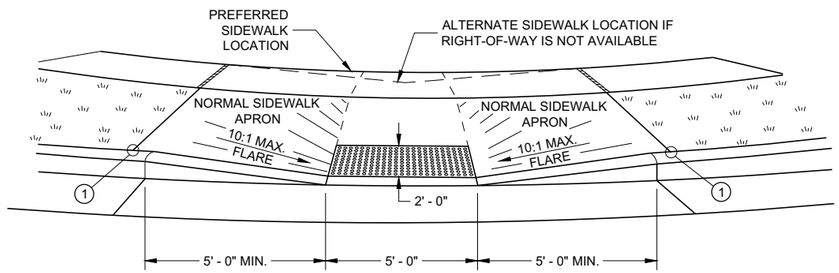
(CENTER OF CORNER RADIUS)



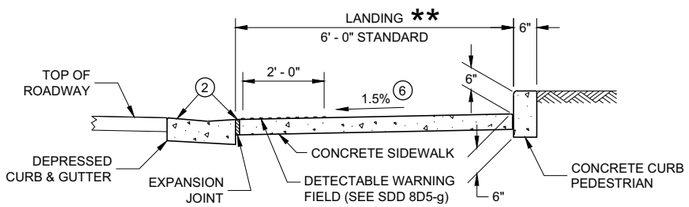
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

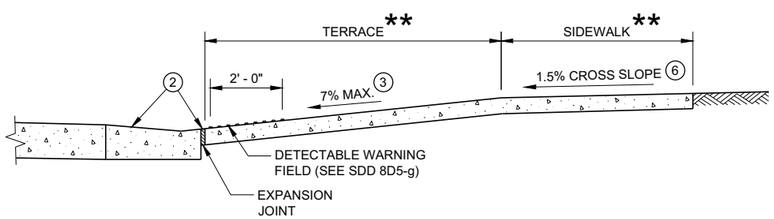


VIEW A - A FOR TYPE 1

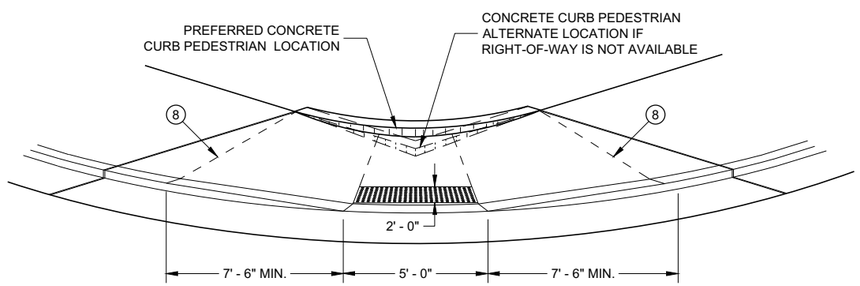


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

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

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

LEGEND

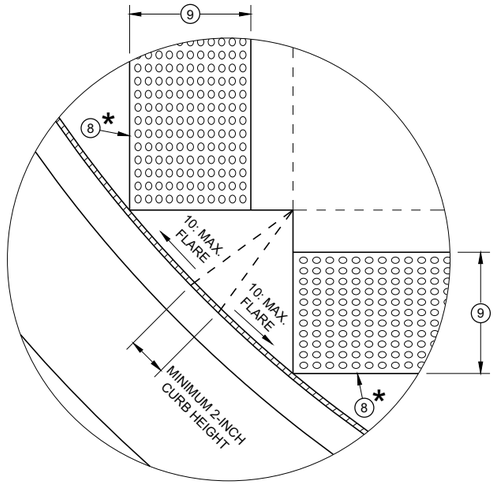
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

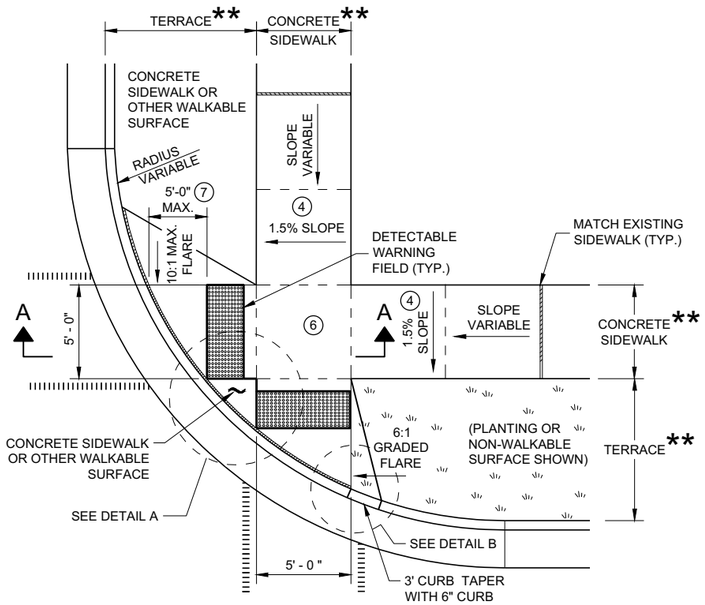
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

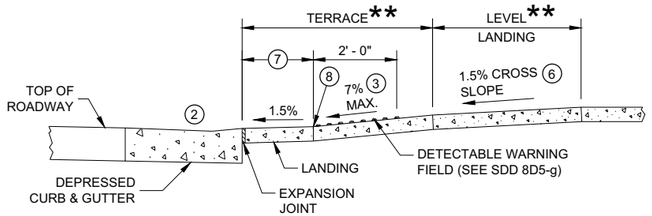
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

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

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

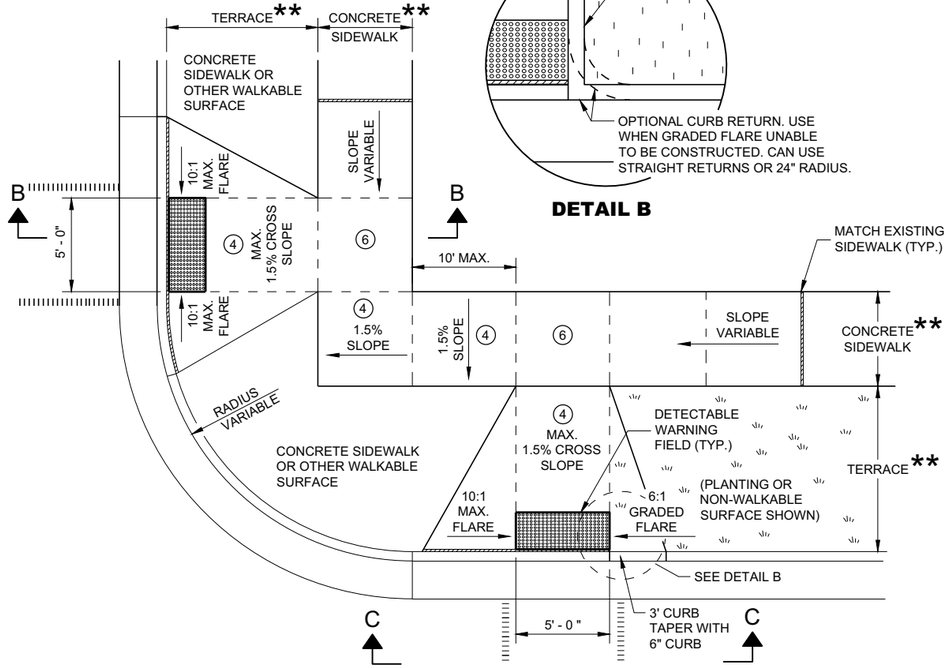
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

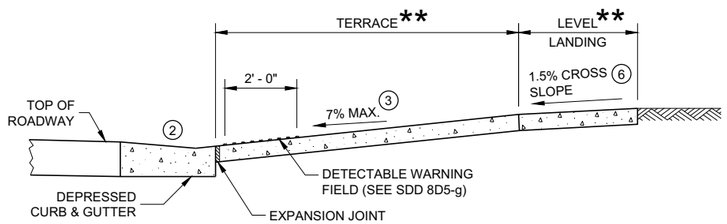
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

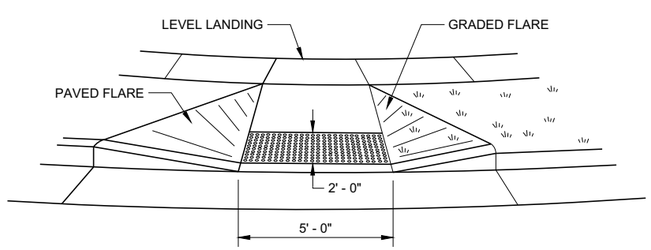


DETAIL B

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



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

LEGEND

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

CURB RAMPS TYPE 2 AND 3

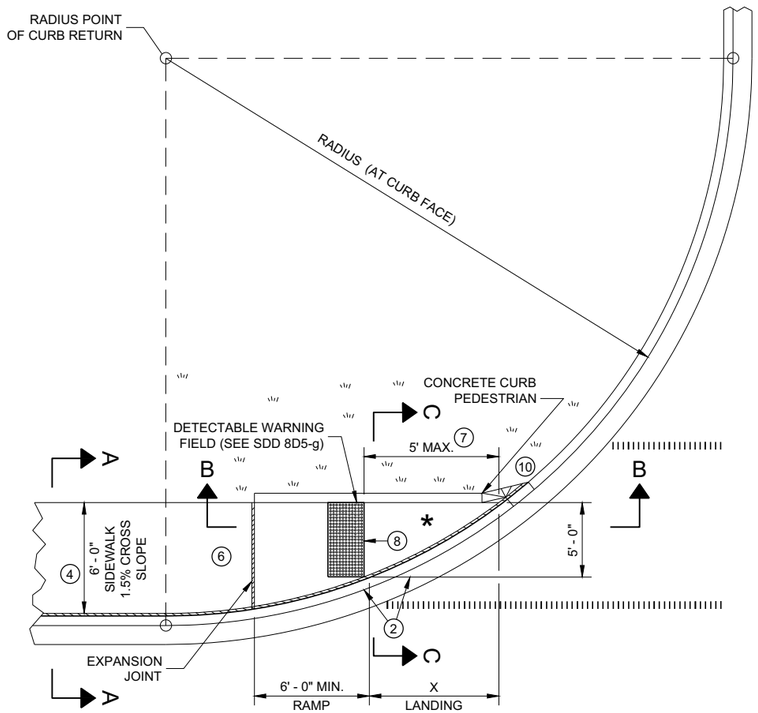
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20b

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SDD 08D05 - 20b

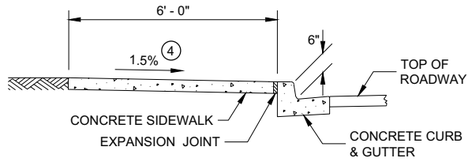


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

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

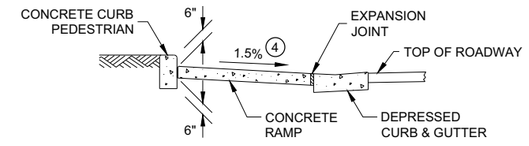
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

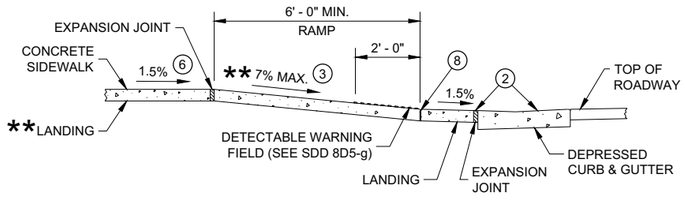
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



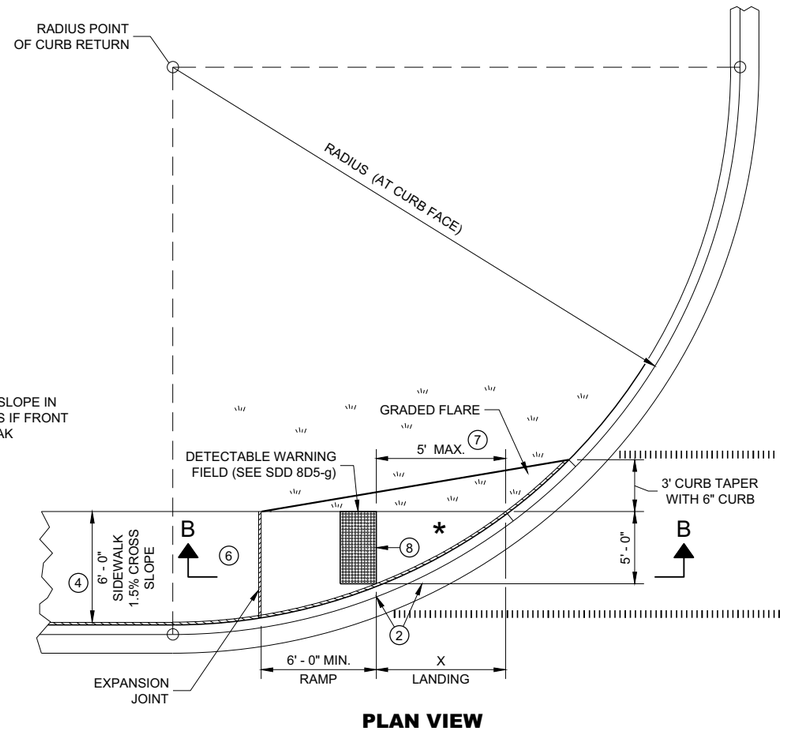
SECTION C - C FOR TYPE 4A



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

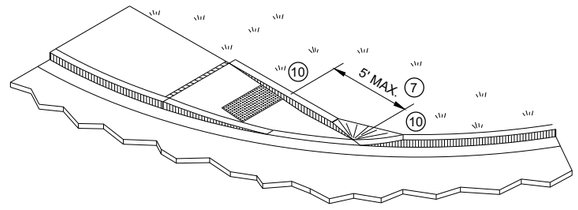
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

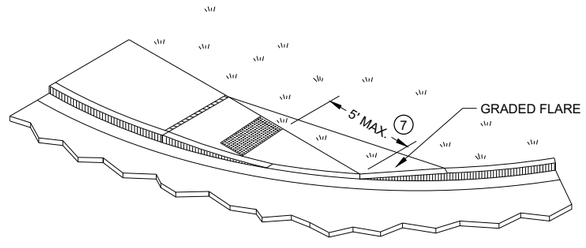


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



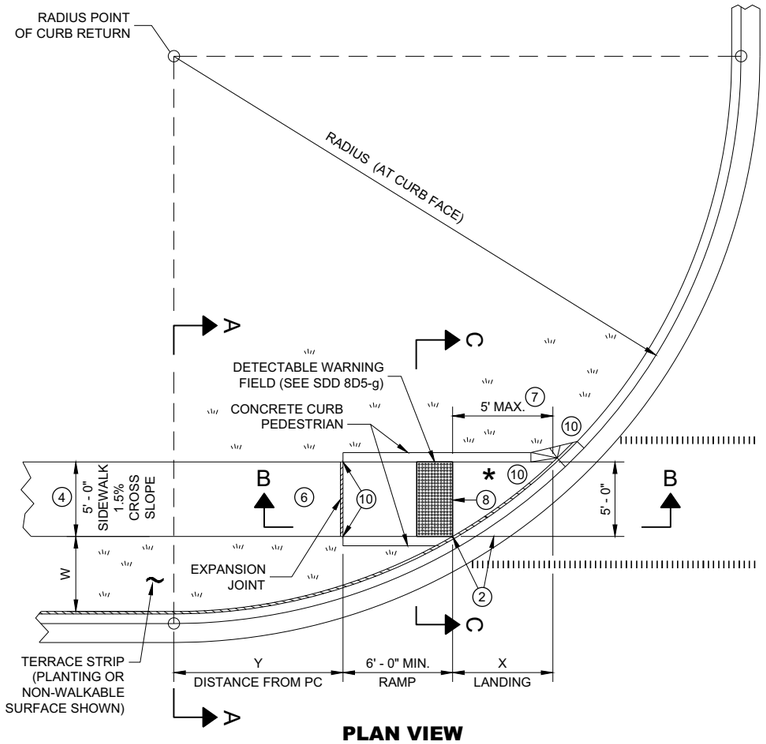
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

SECTION C - C FOR TYPE 4B

LEGEND

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

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

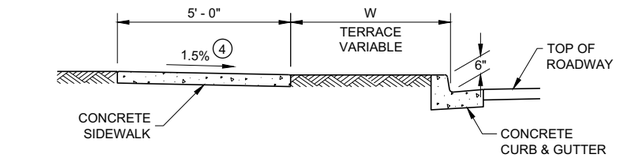
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

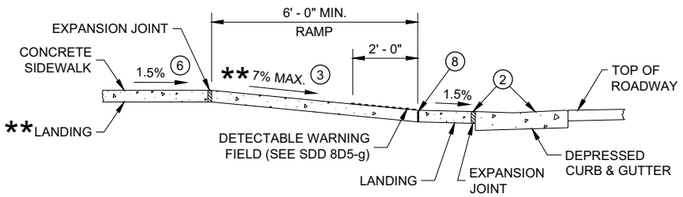
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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



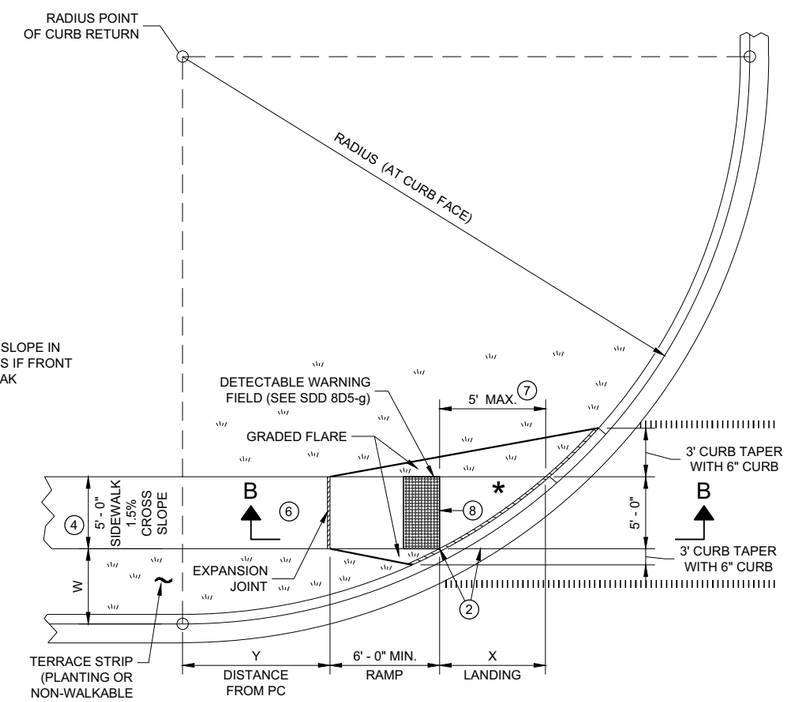
SECTION A - A FOR TYPE 4B



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

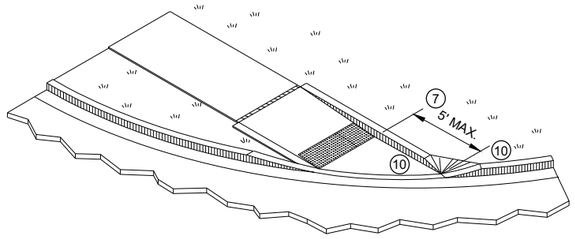
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

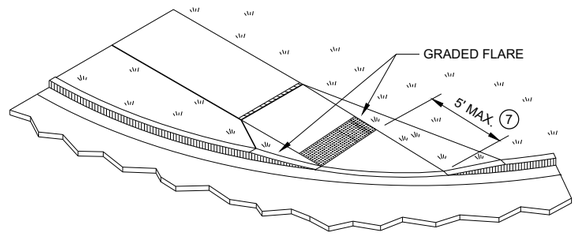


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



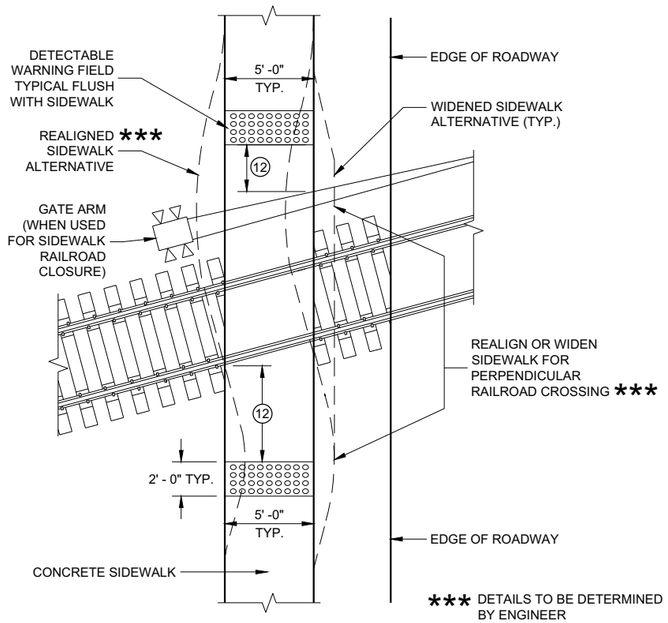
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

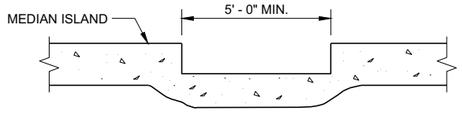
6

SDD 08D05 - 20d

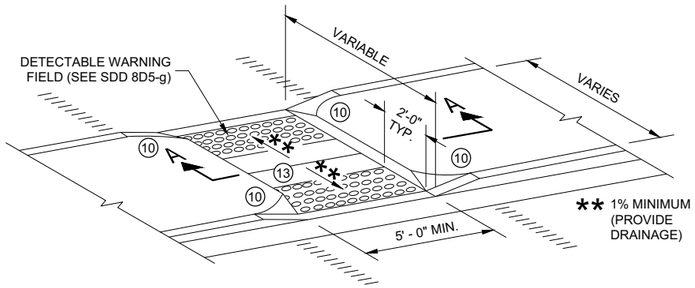


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

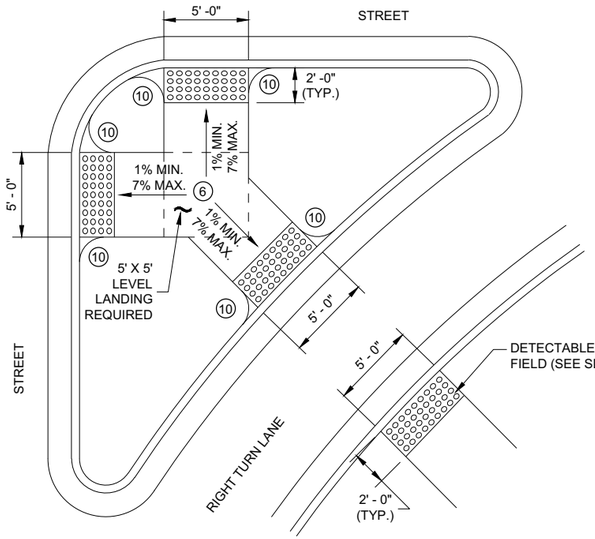
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

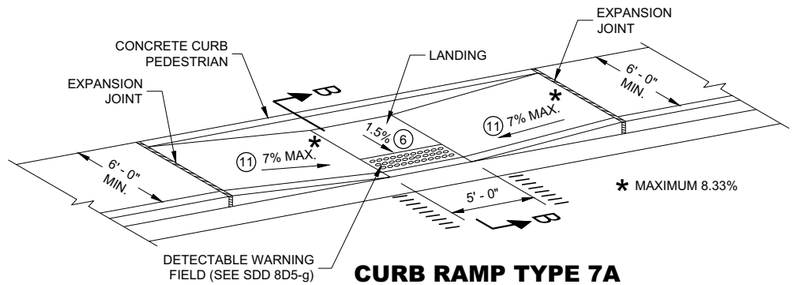
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

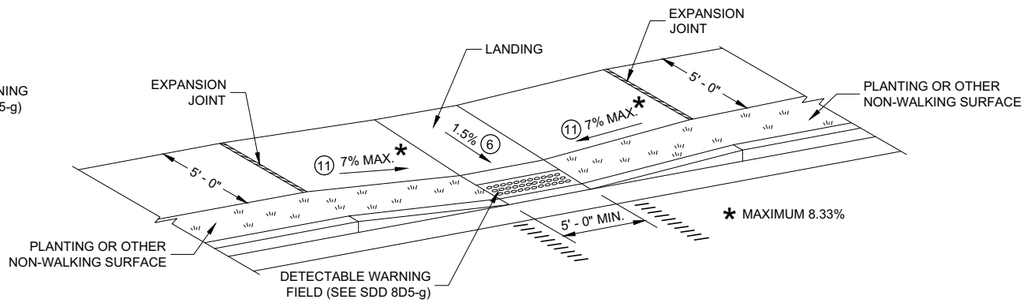
DETECTABLE WARNING AT ISLANDS

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



CURB RAMP TYPE 7A

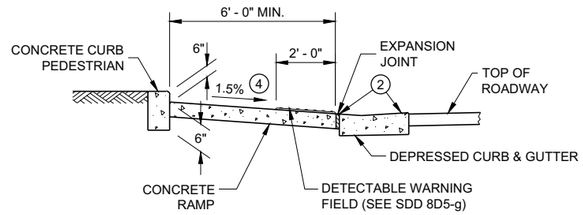
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

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



SECTION B - B FOR TYPE 7A

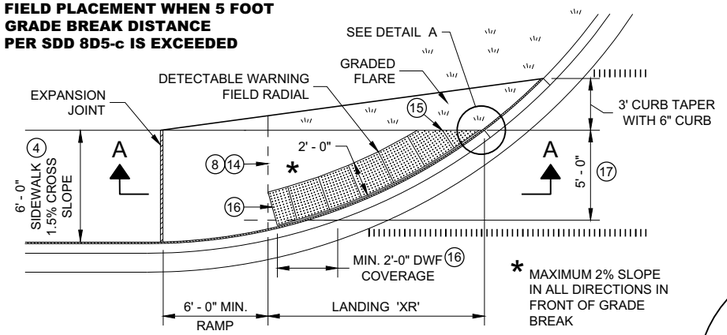
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20e

SDD 08D05 - 20e

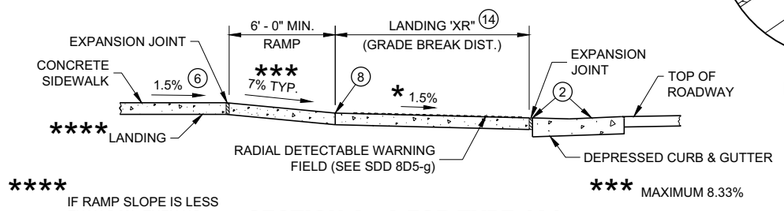
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

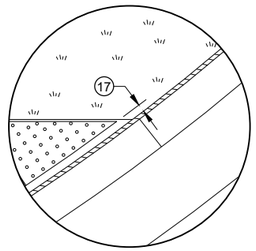
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



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

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

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

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

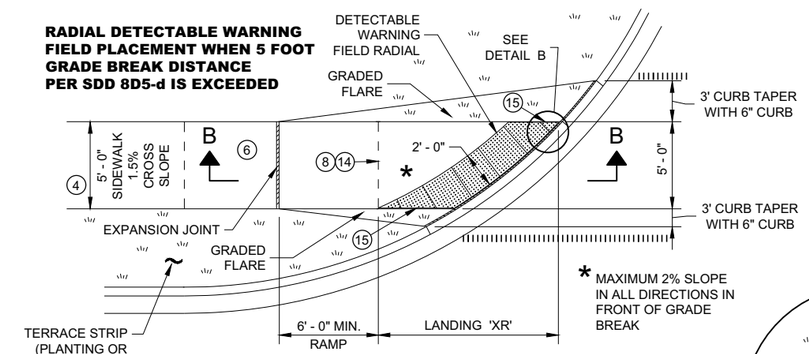
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

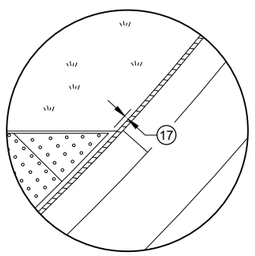
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



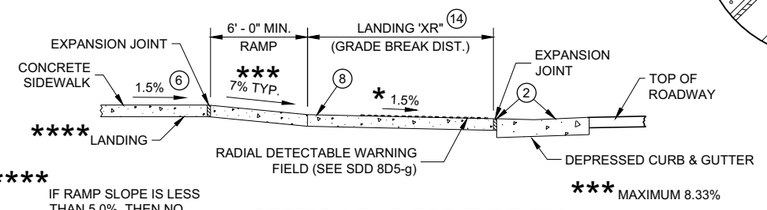
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

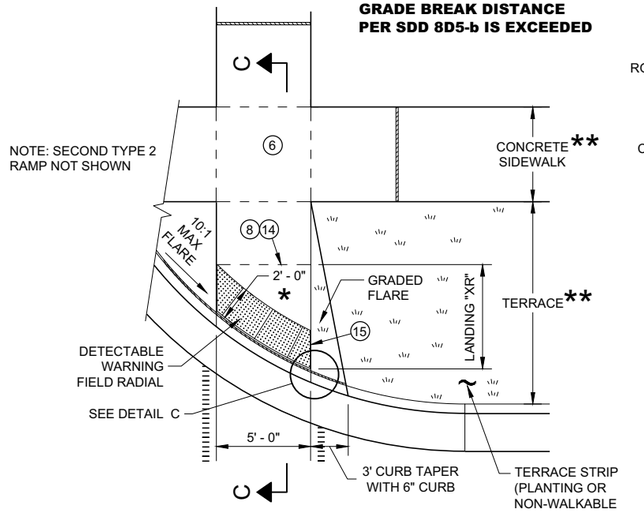


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

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

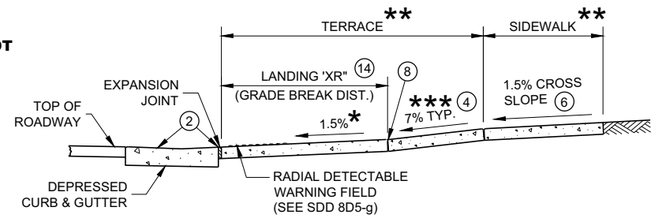


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

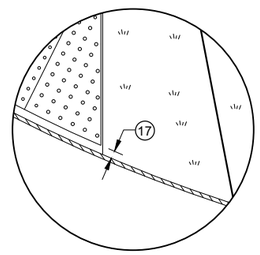


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

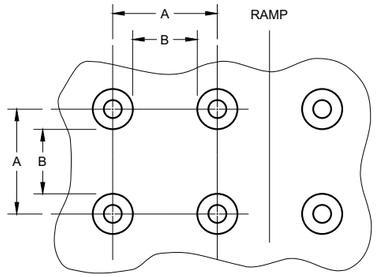
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

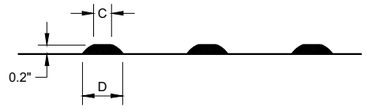
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

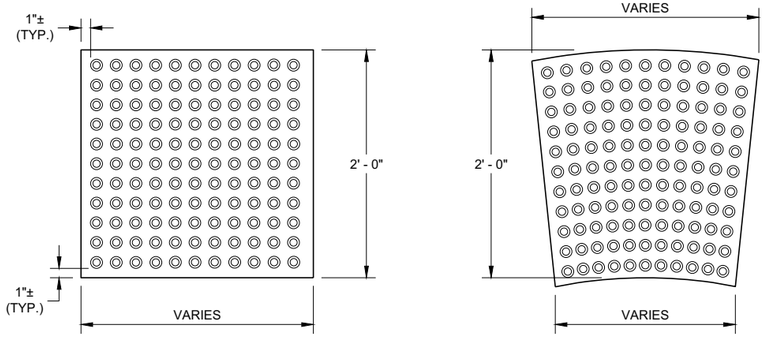


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

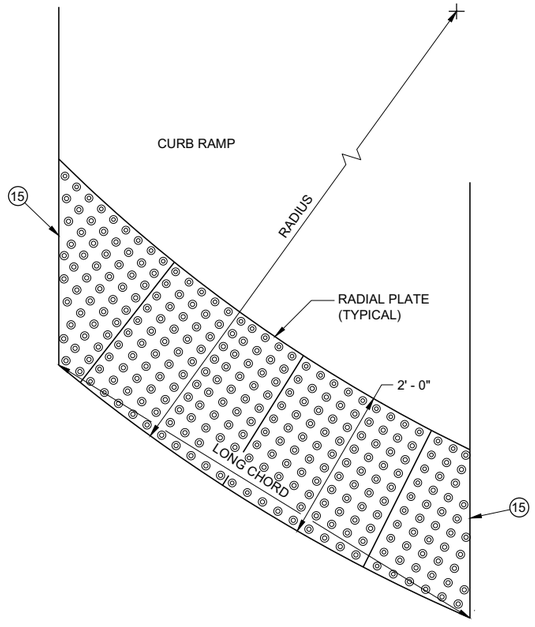
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

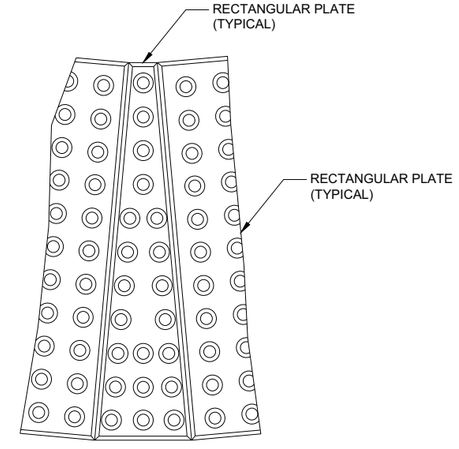
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

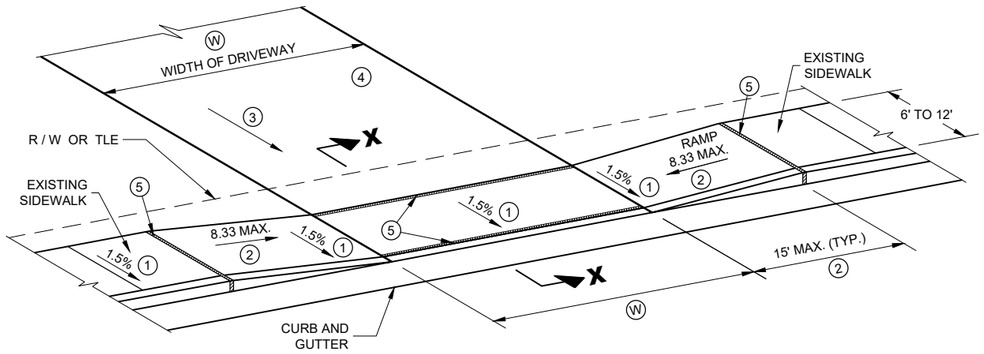
FHWA

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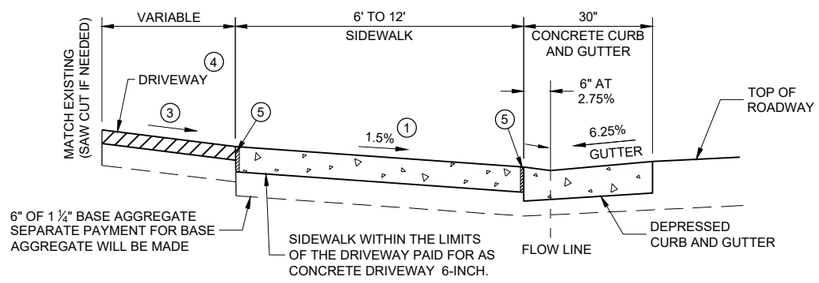
SDD 08D05 - 20g

6

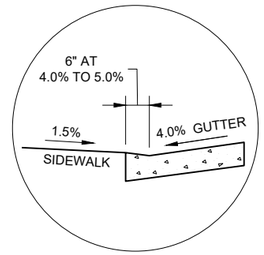
SDD 08D05 - 20g



TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X - X



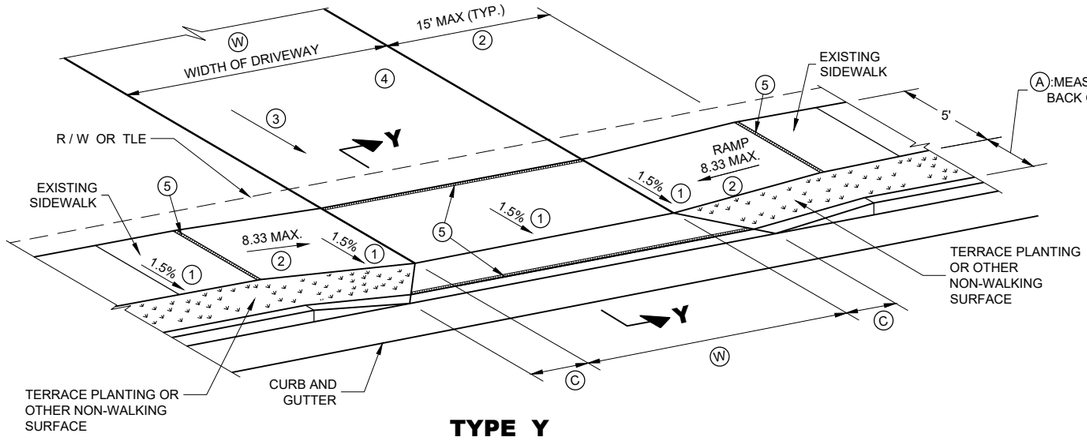
SECTION X - X
4% GUTTER SLOPE

Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

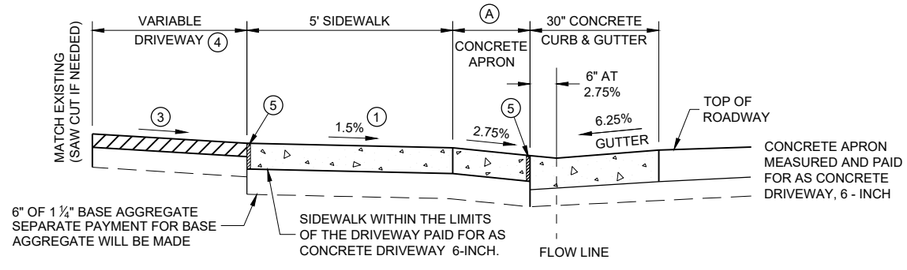
16' MIN. - 35' MAX. COMMERCIAL (CE)

TABLE Y

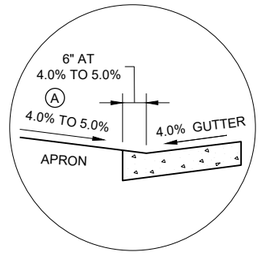
Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS



SECTION Y - Y
4% GUTTER SLOPE

SECTION Y - Y
DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ ½" EXPANSION JOINT FILLER

DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

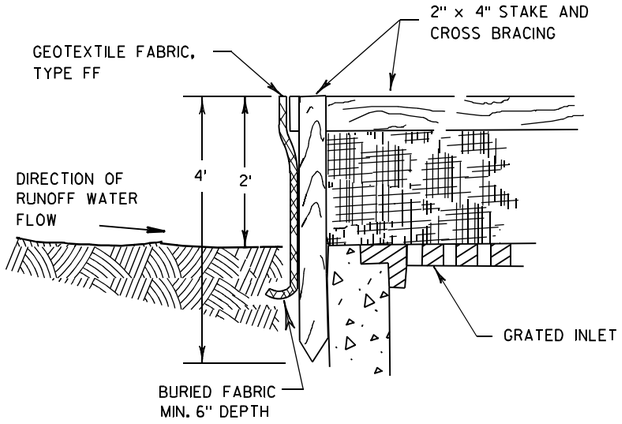
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

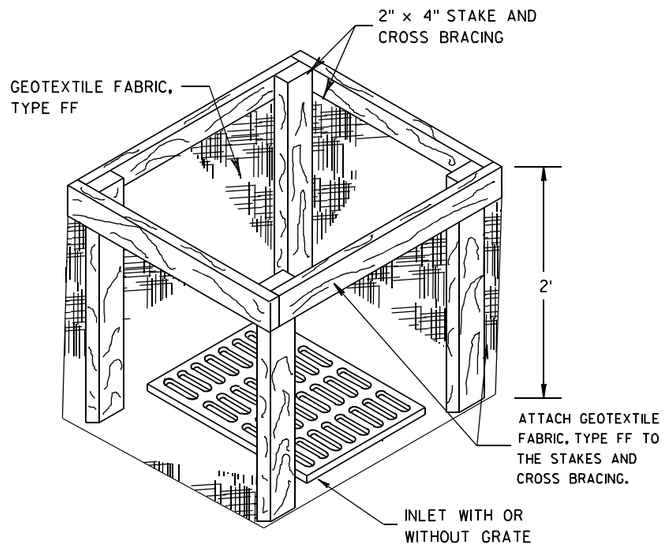
APPROVED
February 2022 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

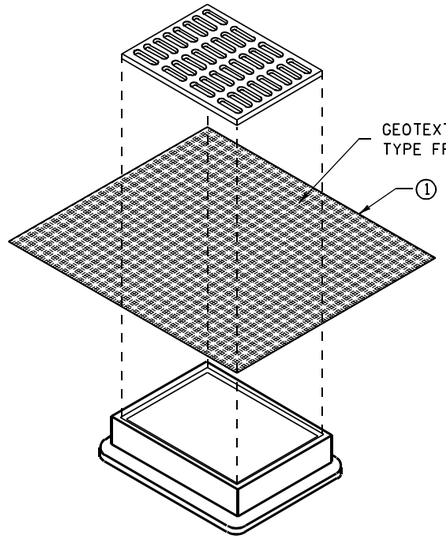
SDD 08D18 - 03

SDD 08D18 - 03



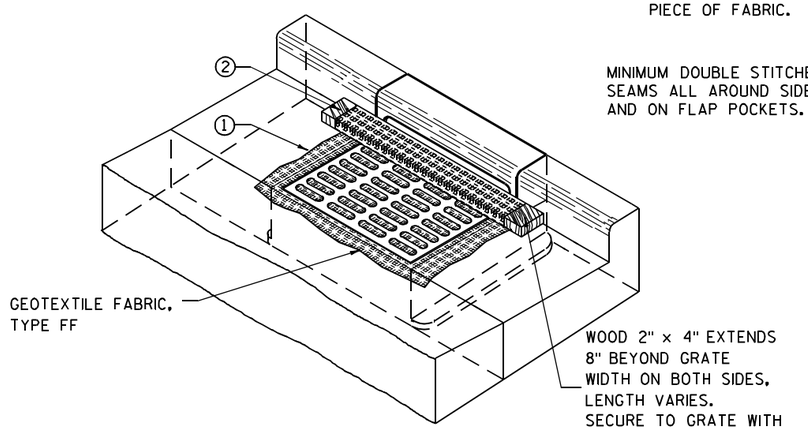


INLET PROTECTION, TYPE A

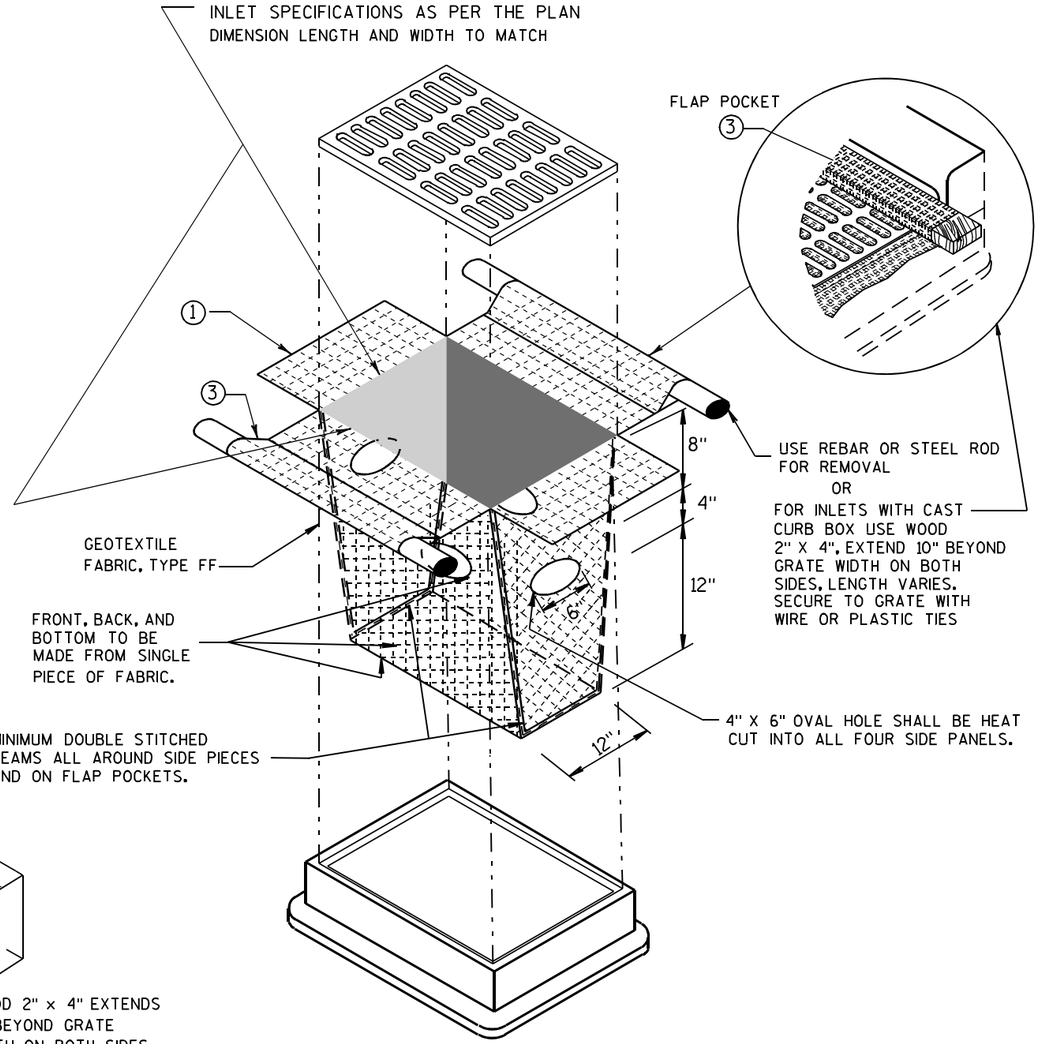


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

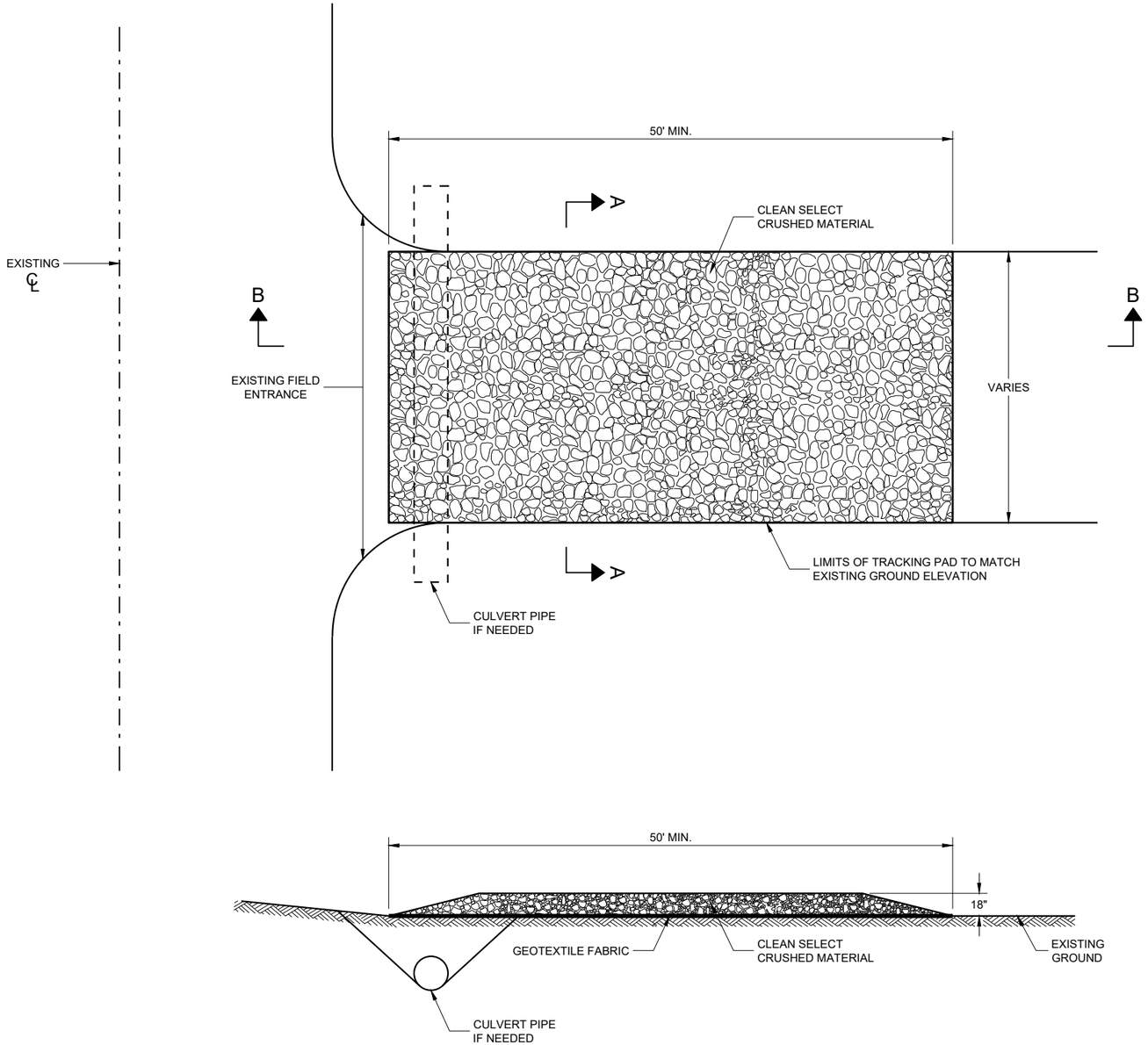
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

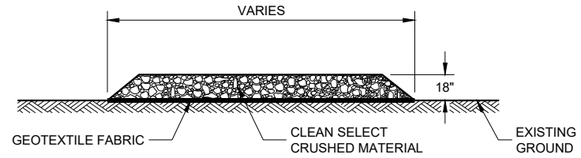
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

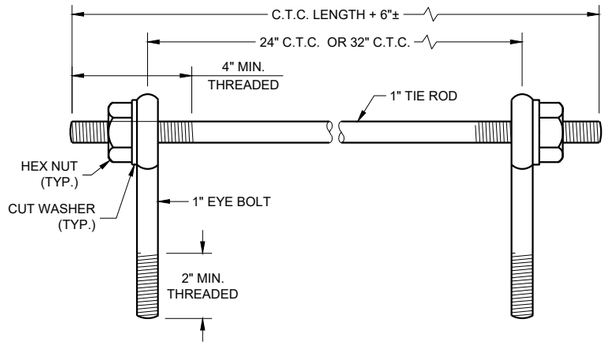
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

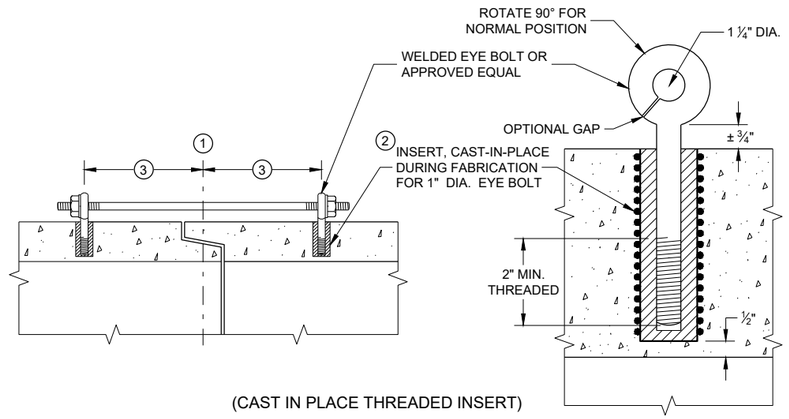
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SDD 08E14 - 01



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

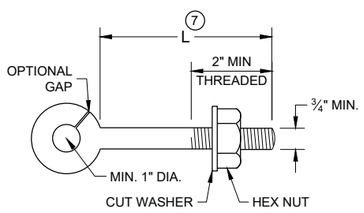
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

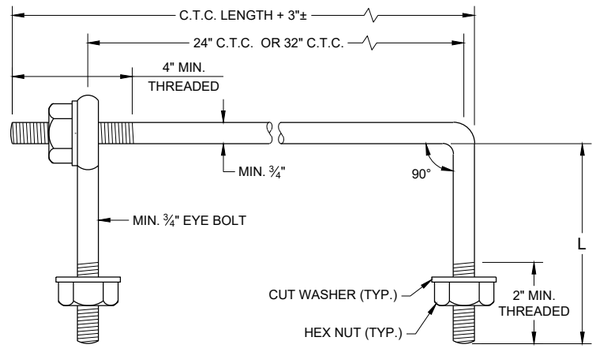
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

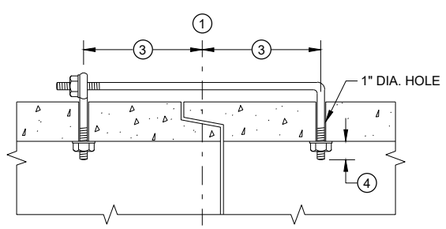


EYE BOLT (7)

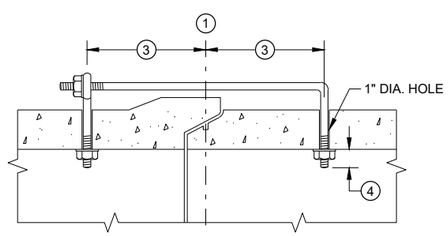
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

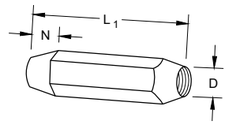
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

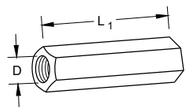
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



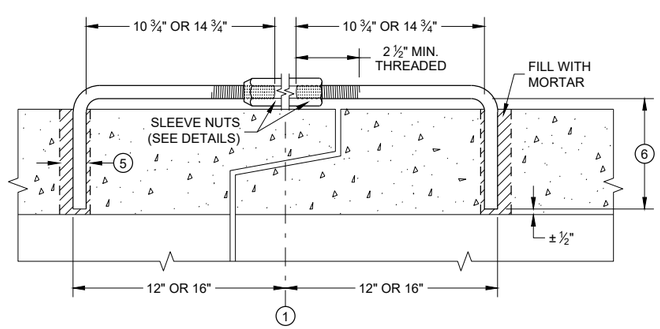
TAPERED



PLAIN

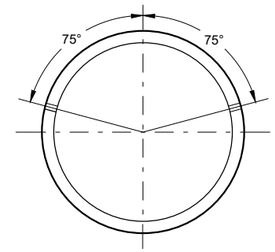
RIGHT AND LEFT THREADS

SLEEVE NUTS



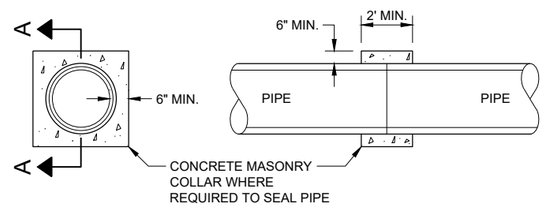
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

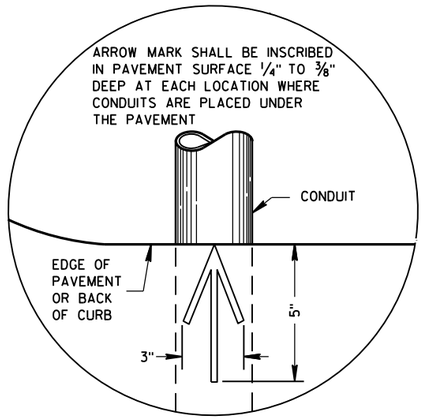
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

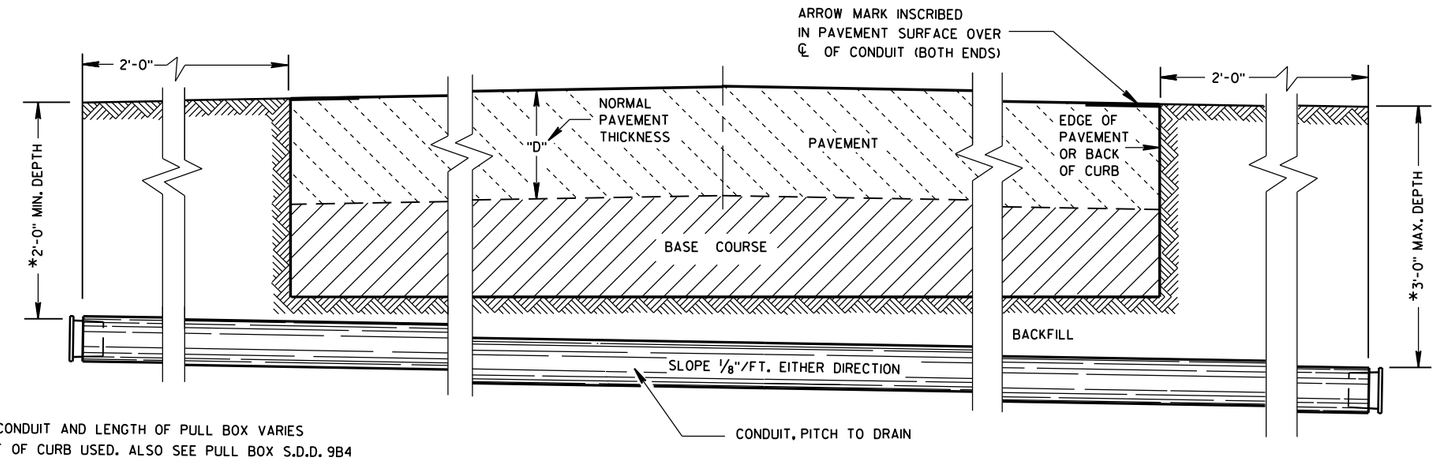
SDD 08F04 - 08

SDD 08F04 - 08



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

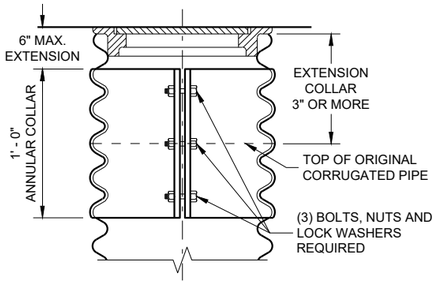
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

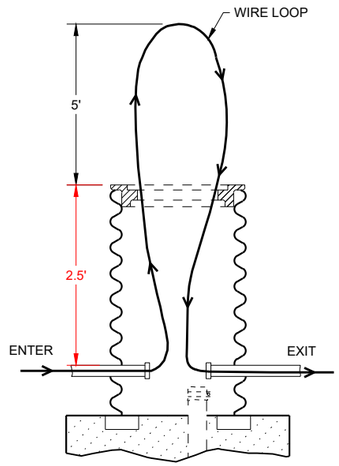
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

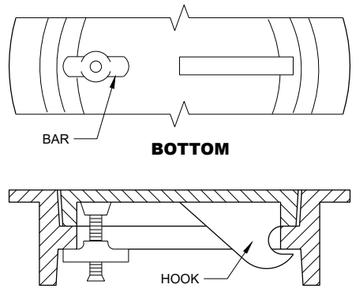
S.D.D. 9 B 2-10



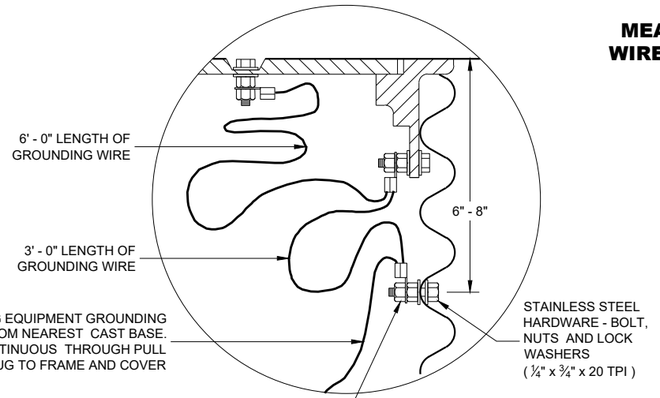
CORRUGATED PIPE EXTENDER



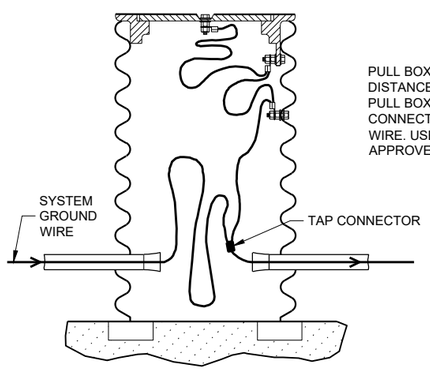
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE

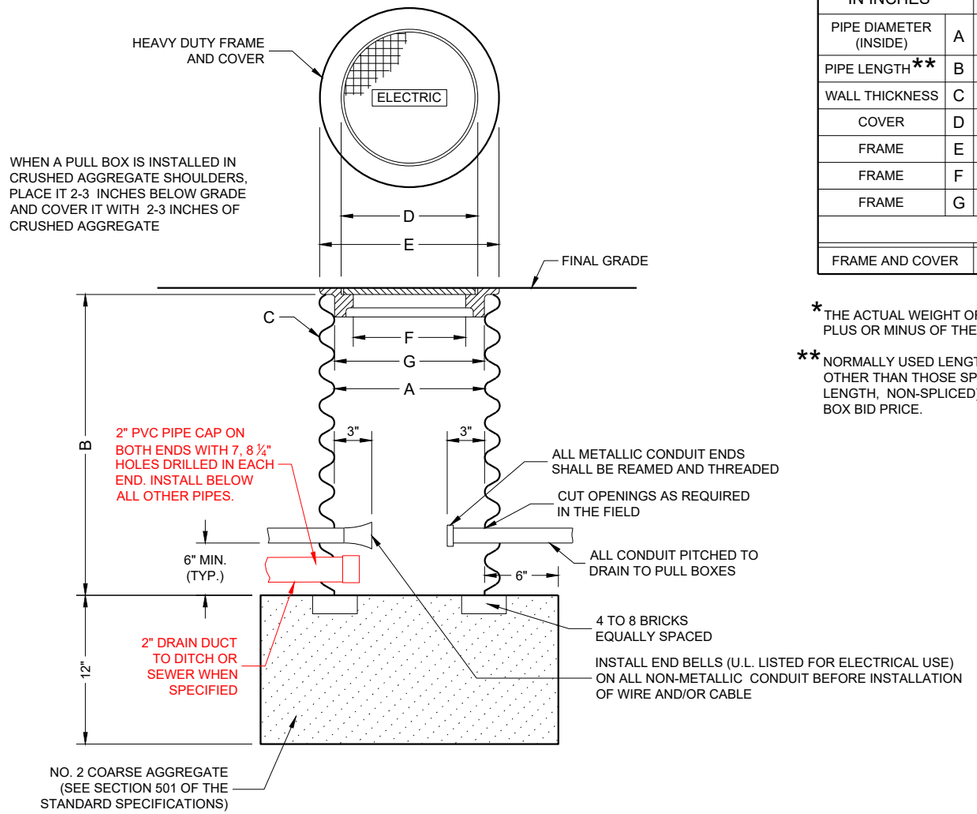


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL 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.

PULL BOX

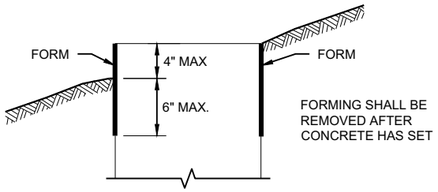
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

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.

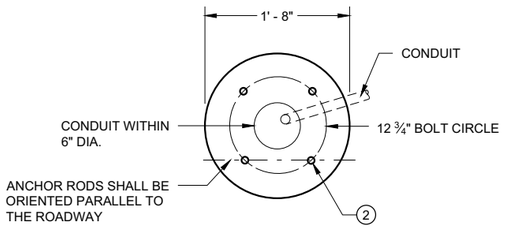
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

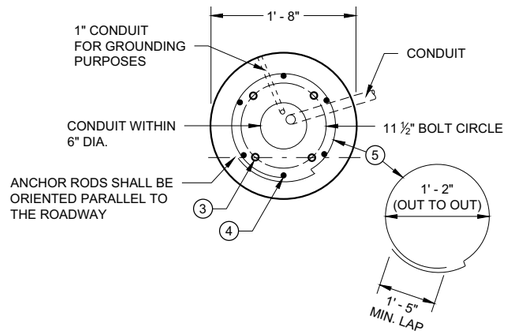
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

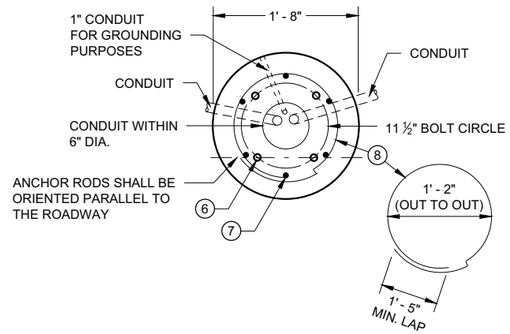
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

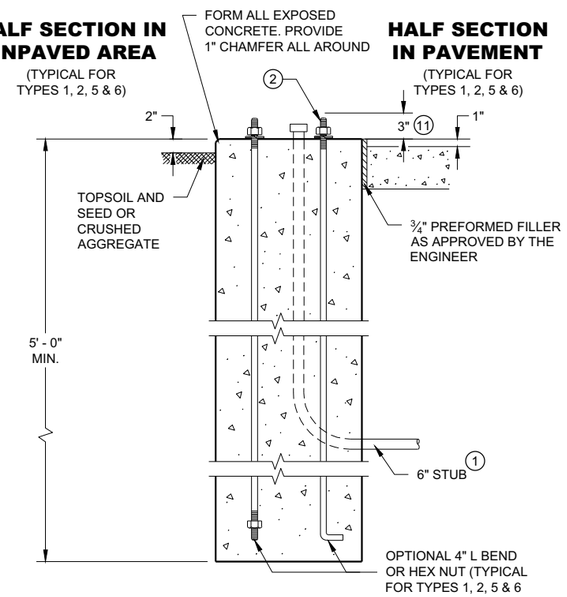
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

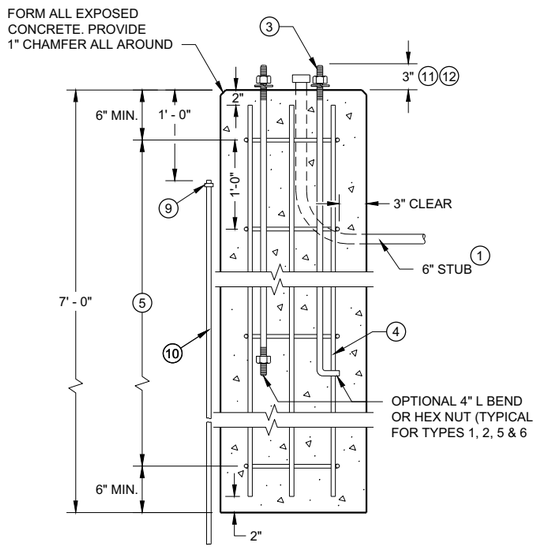
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

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

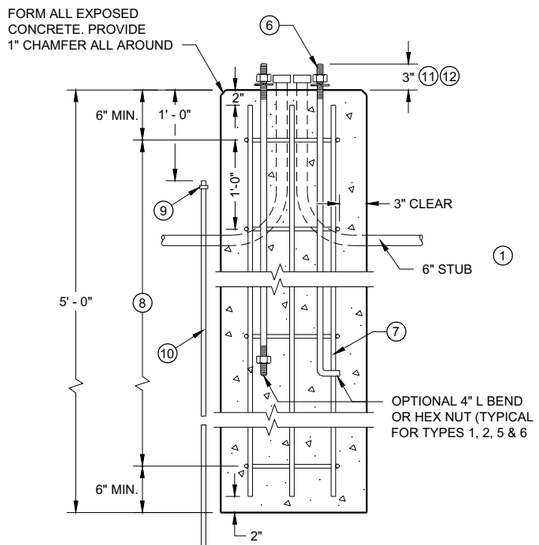
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



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 175
FHWA

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

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

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

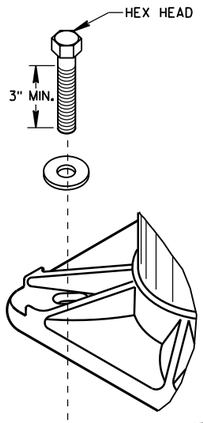
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

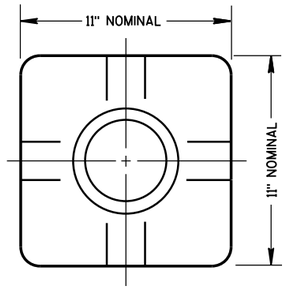
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

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

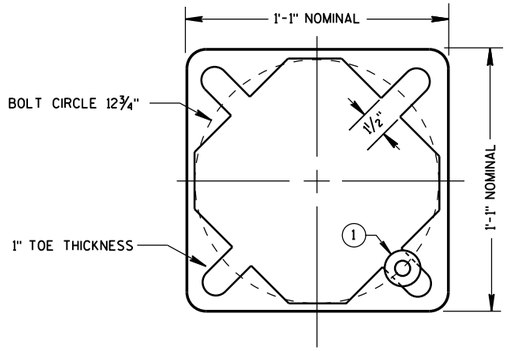
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

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

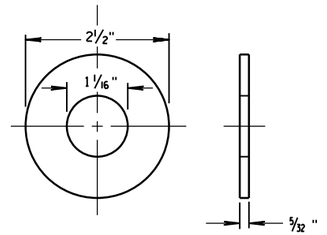




TOP VIEW
(PEDESTAL BASE)

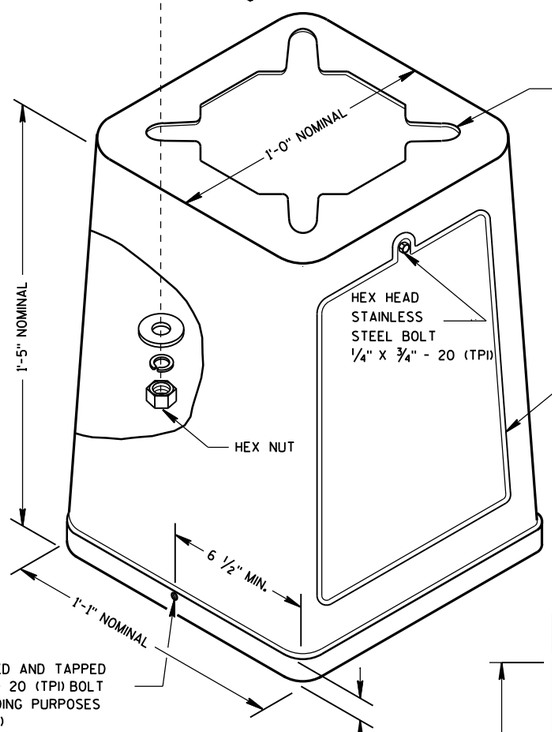


BOTTOM VIEW
(PEDESTAL BASE)

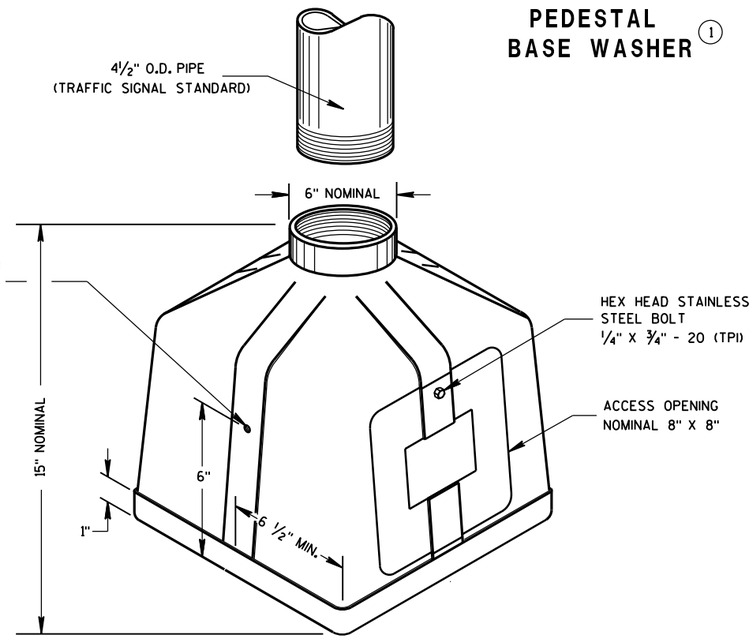


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

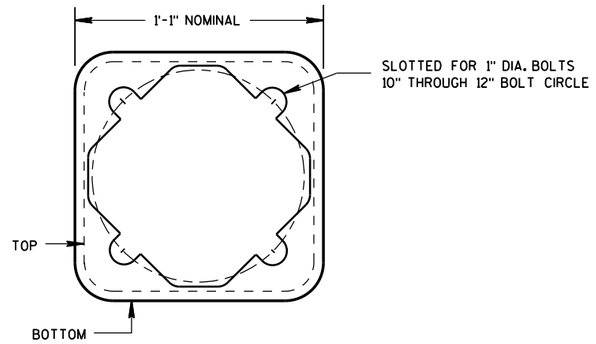


ISOMETRIC VIEW

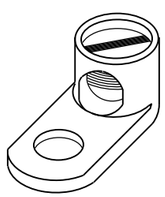


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

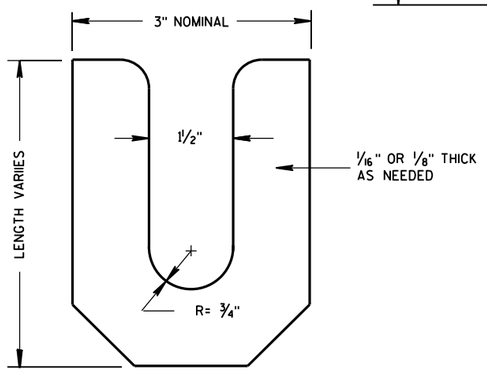


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

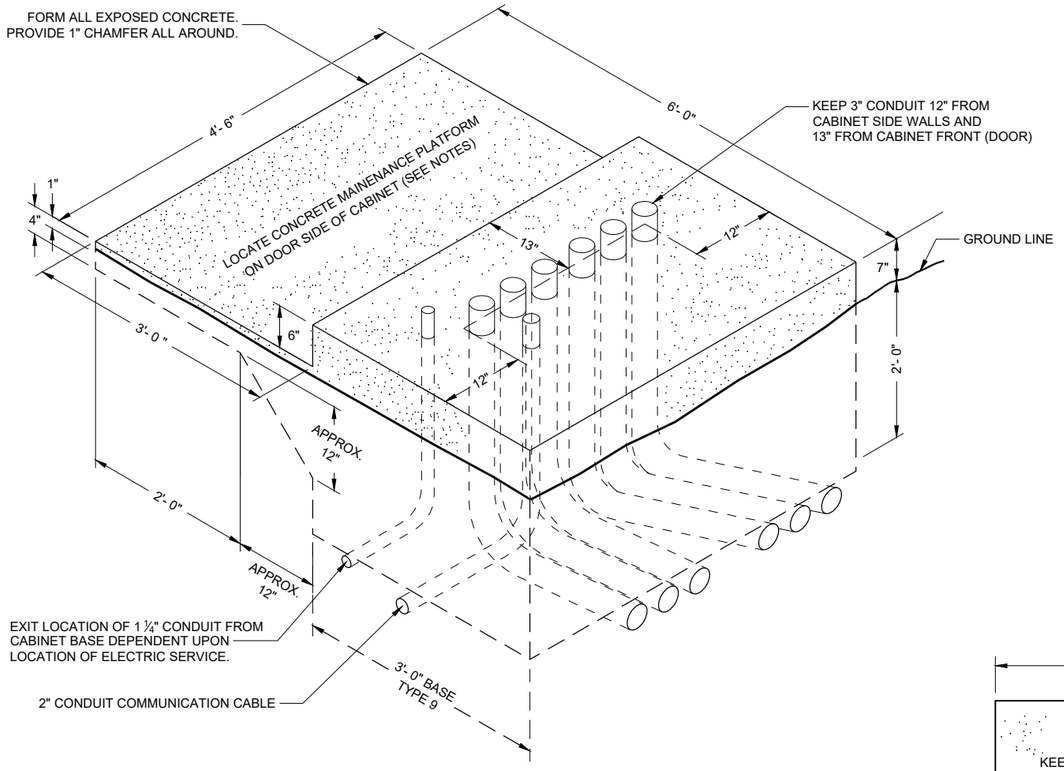
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S.D.D. 9 C 3-4

6

S.D.D. 9 C 3-4

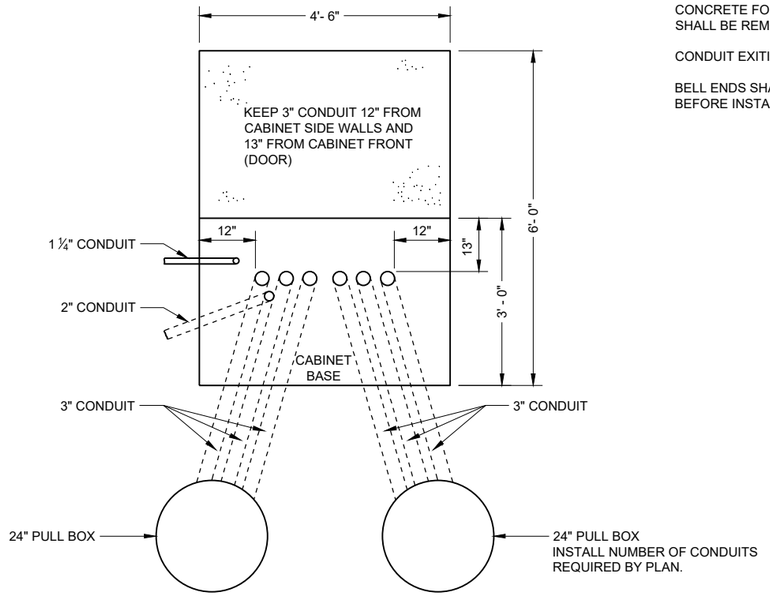
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



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.

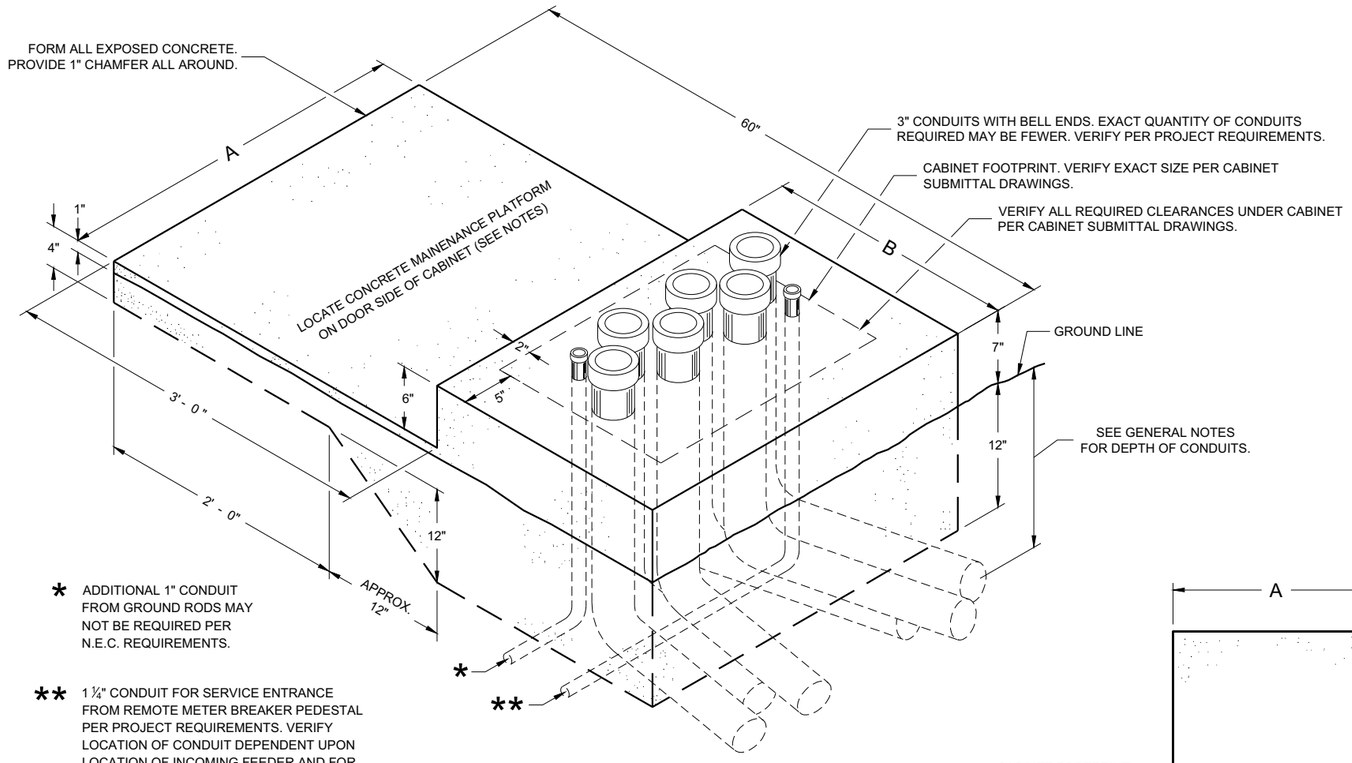
CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

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* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

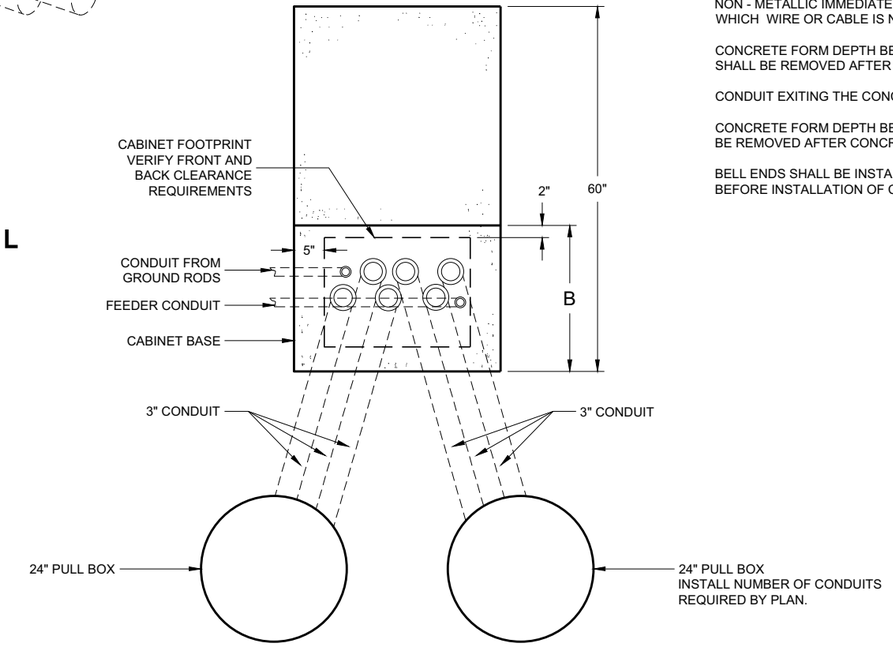
** 1 ¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

ISOMETRIC VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

(C.Y. CONCRETE = APPROX. 0.4)

CONCRETE BASE TYPE	CABINET WIDTH	DIMENSIONS		MAXIMUM 3" CONDUITS
		A	B	
L24	24"	34"	24"	4
L30	30"	40"	24"	6



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE L

GENERAL NOTES

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

INSTALL FOUR STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS TO ANCHOR THE CABINET BASES. THE ANCHORS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

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

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS UNLESS DETERMINED BY THE ENGINEER IN THE FIELD.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCH MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE L

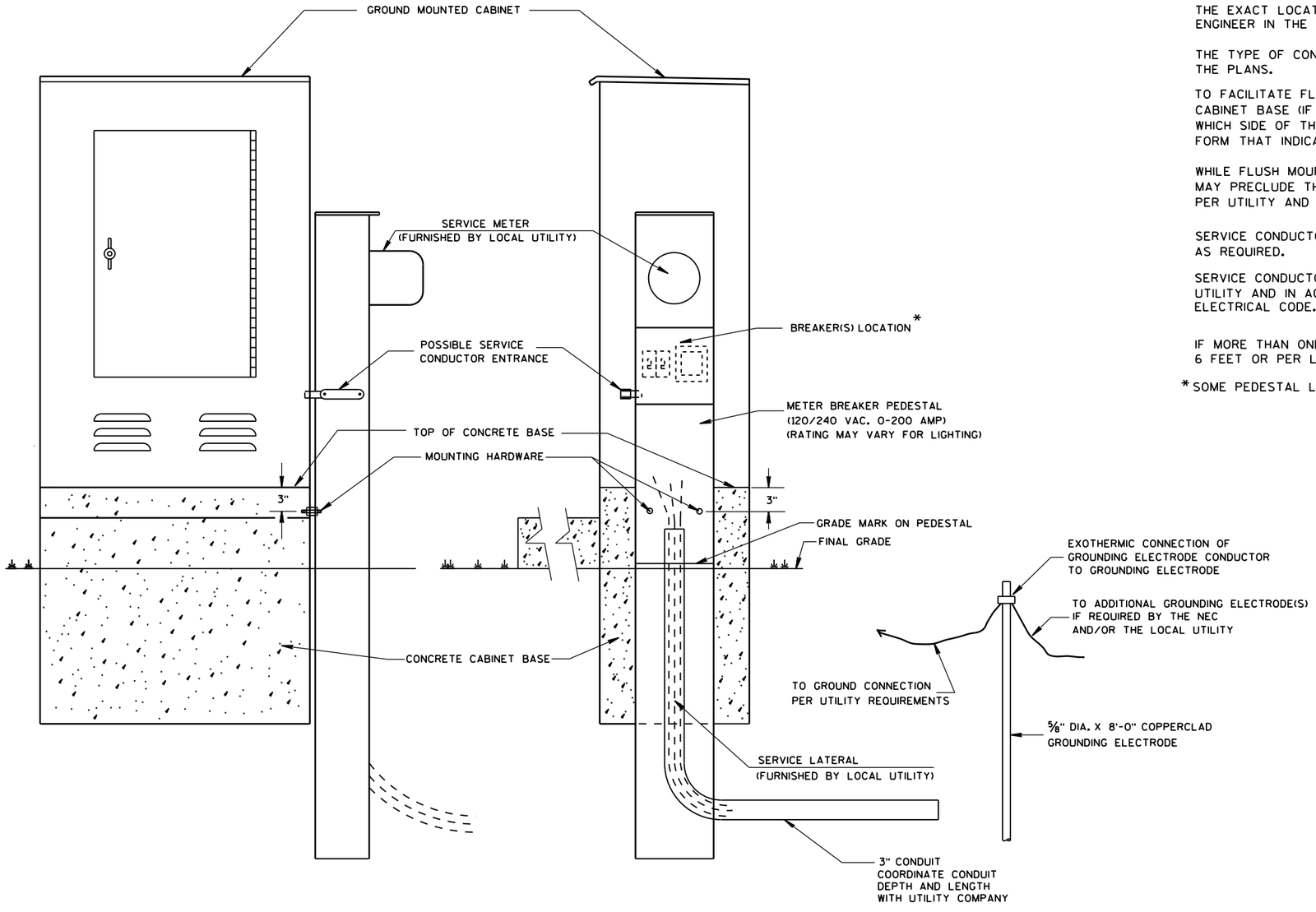
STATE OF WISCONSIN
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APPROVED
November 2018
DATE

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TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

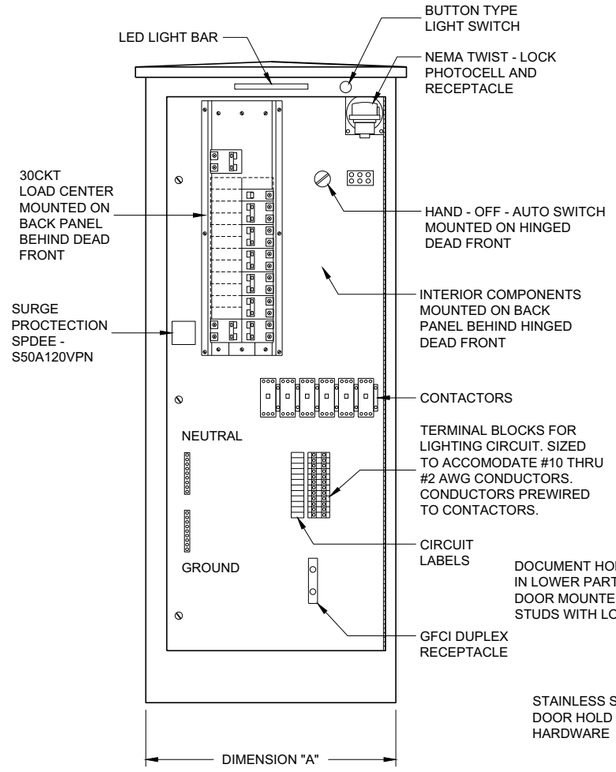
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Sept. 2014
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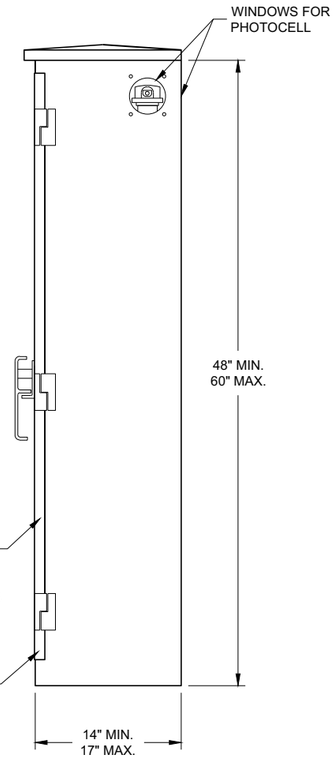
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FRONT INTERIOR ELEVATION



SIDE VIEW



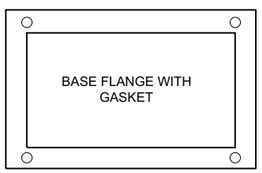
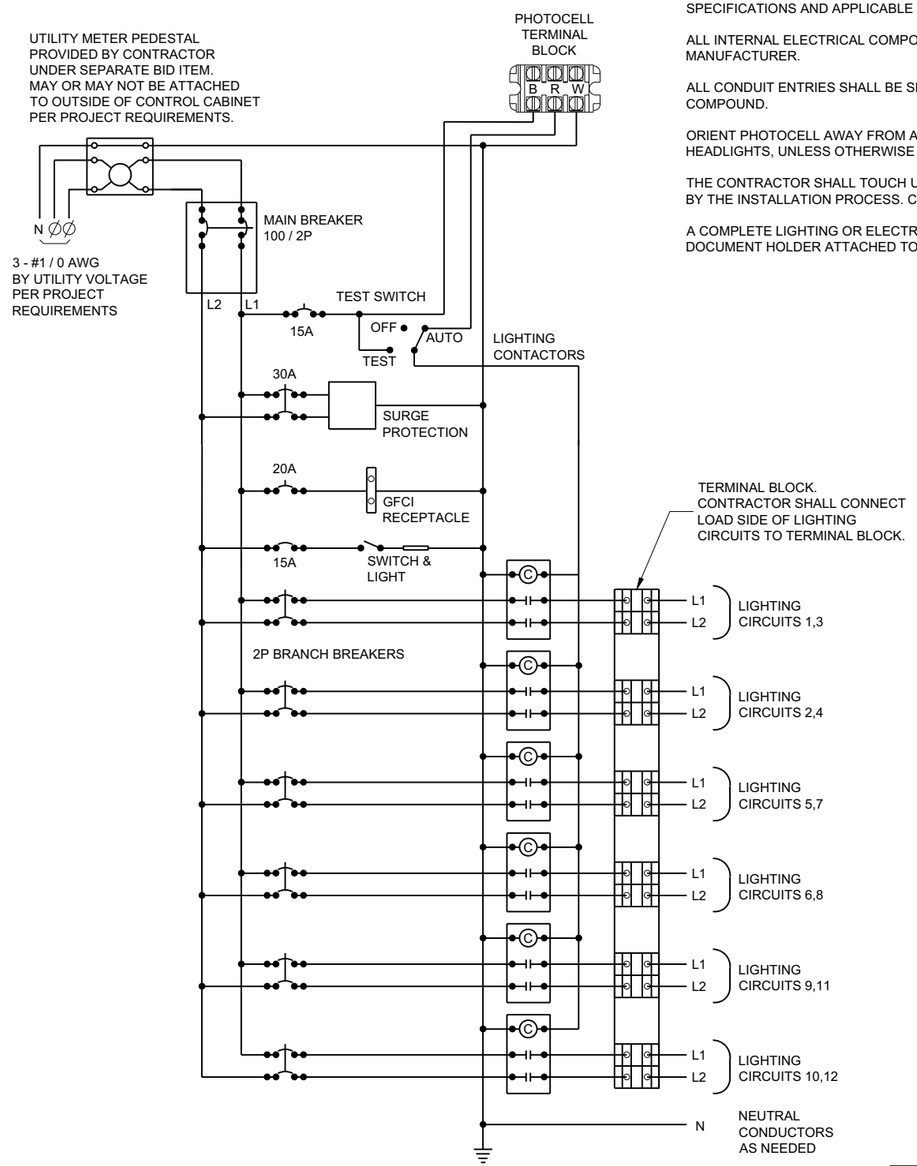


TABLE OF DIMENSIONS (INCHES)		
CONCRETE BASE TYPE	CABINET WIDTH	DIMENSION "A"
L24	24"	24"
L30	30"	30"

LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

GENERAL NOTES

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

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE - WIRED BY THE CABINENT MANUFACTURER.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS, UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISION.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

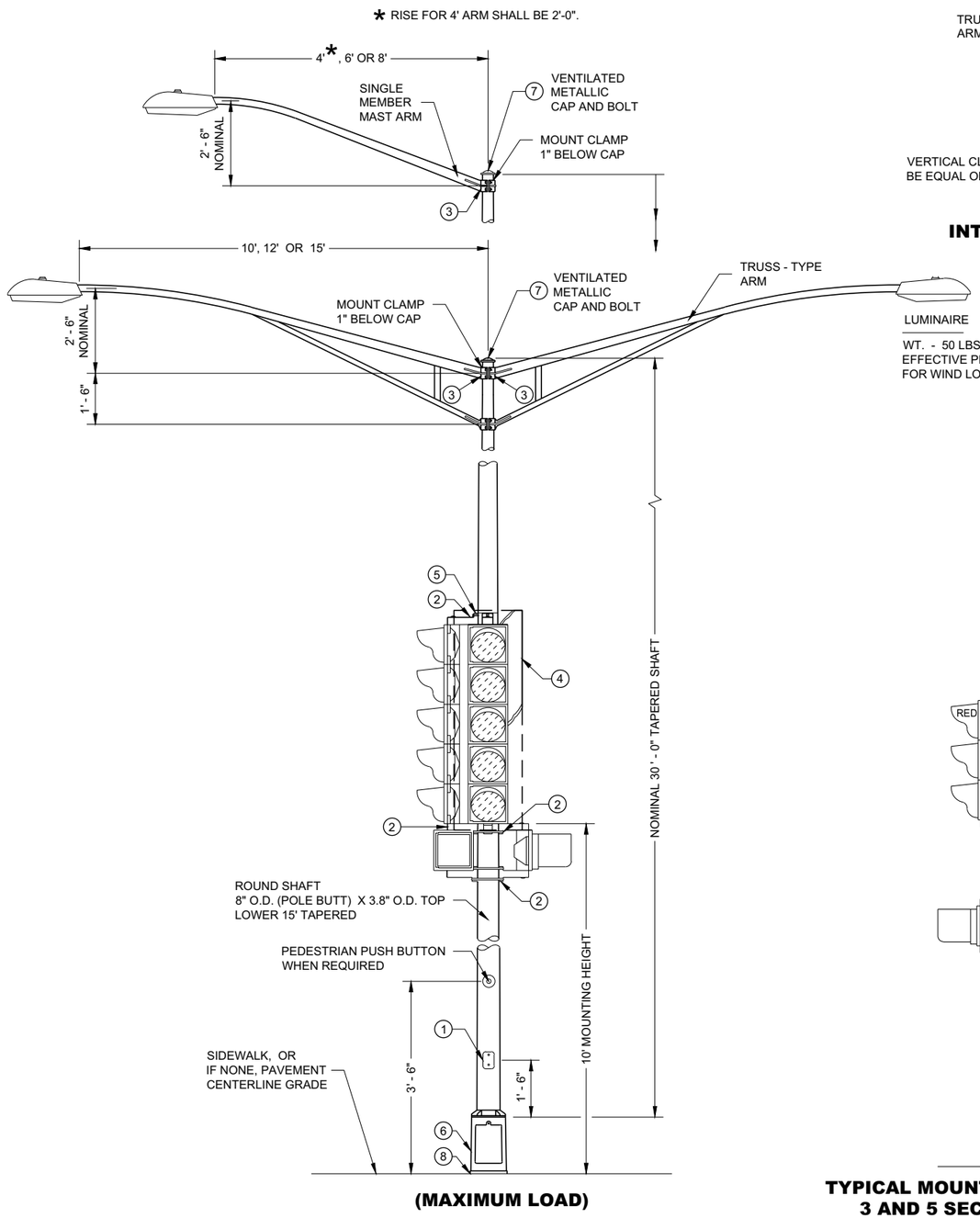
A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET
120 / 240 VOLT

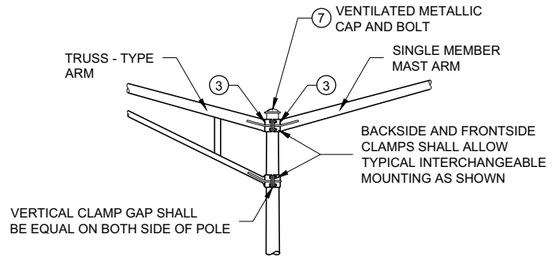
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(MAXIMUM LOAD)



INTERCHANGEABLE MOUNTING DETAIL

GENERAL NOTES

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

ALL TYPE 4 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL WITH A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

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.

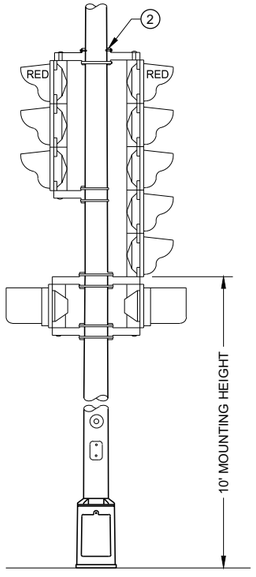
(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

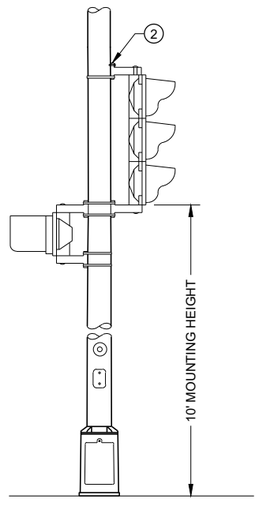
(7) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(8) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

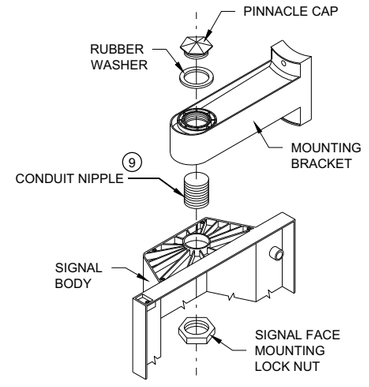
(9) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TYPE 4 POLE MOUNTING CONFIGURATION

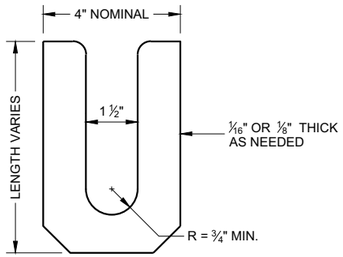
POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4

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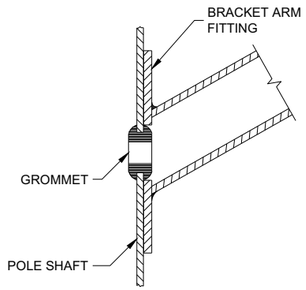
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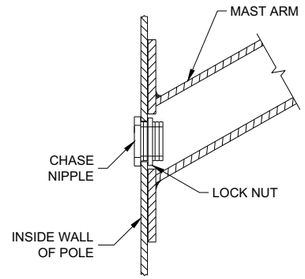
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LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

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

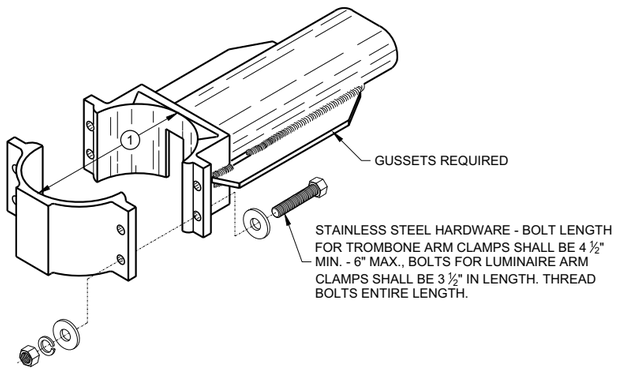
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

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

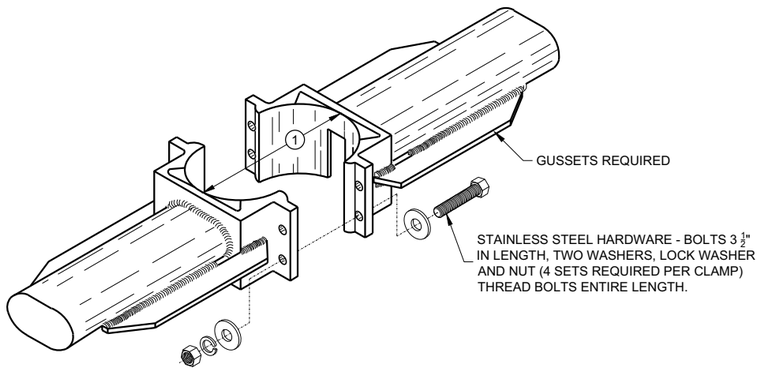
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

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

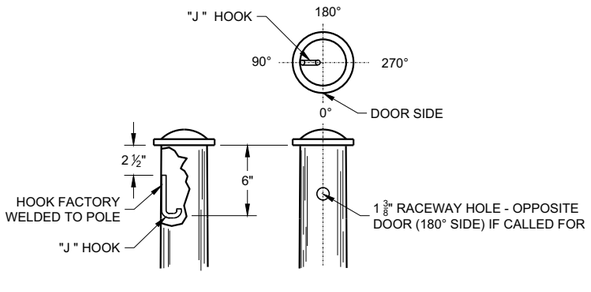
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



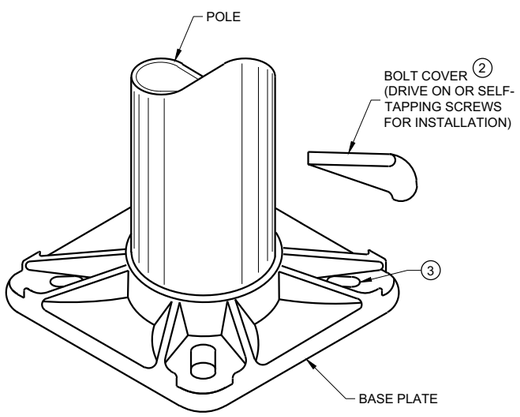
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



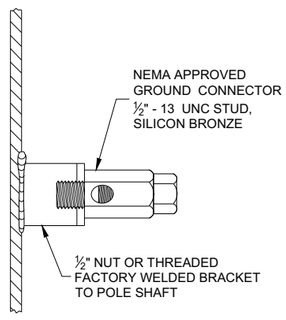
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

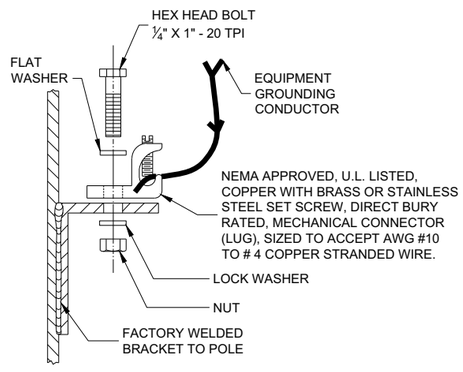


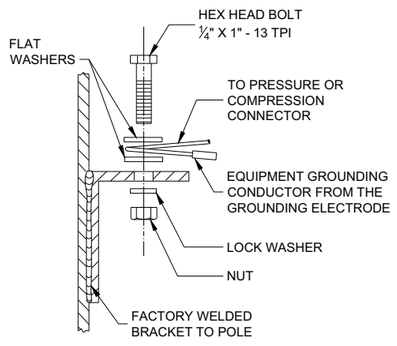
TYPICAL "J" HOOK LOCATION



BASE PLATE







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

HARDWARE DETAILS FOR POLE MOUNTING

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November 2018
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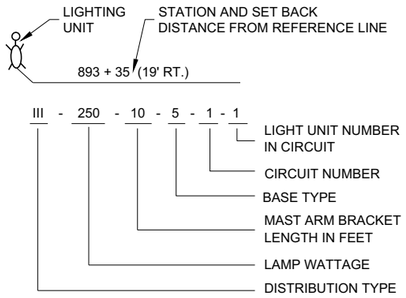
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GENERAL NOTES

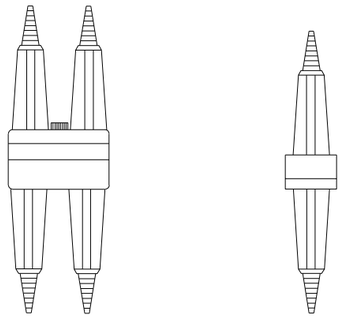
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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

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

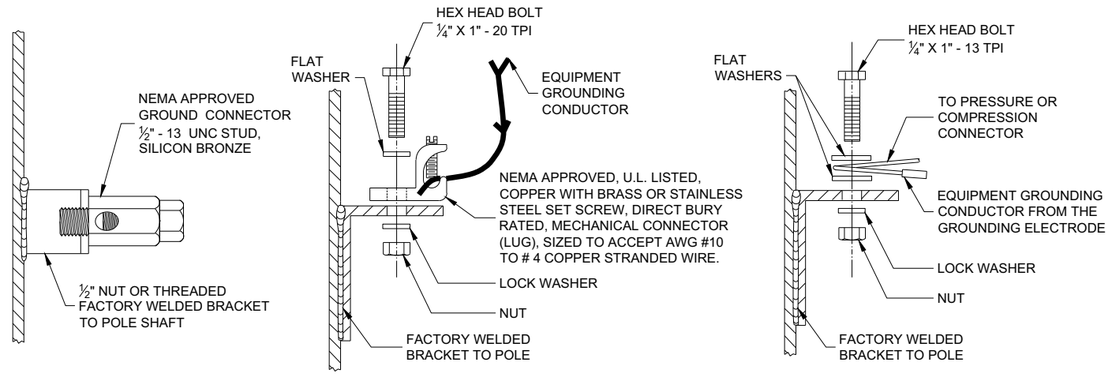


LIGHTING UNIT CODE
(TYPICAL)

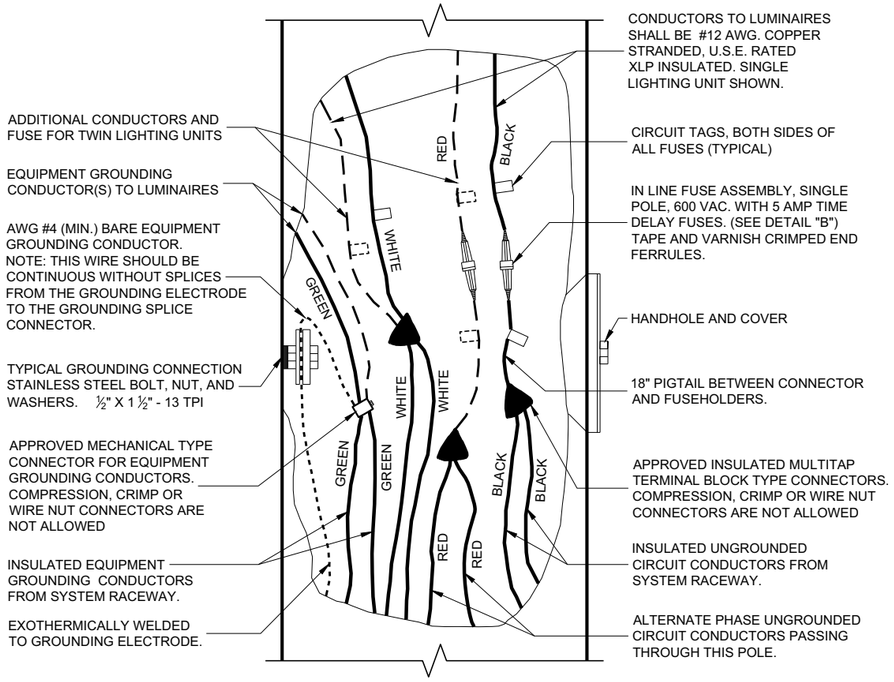


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

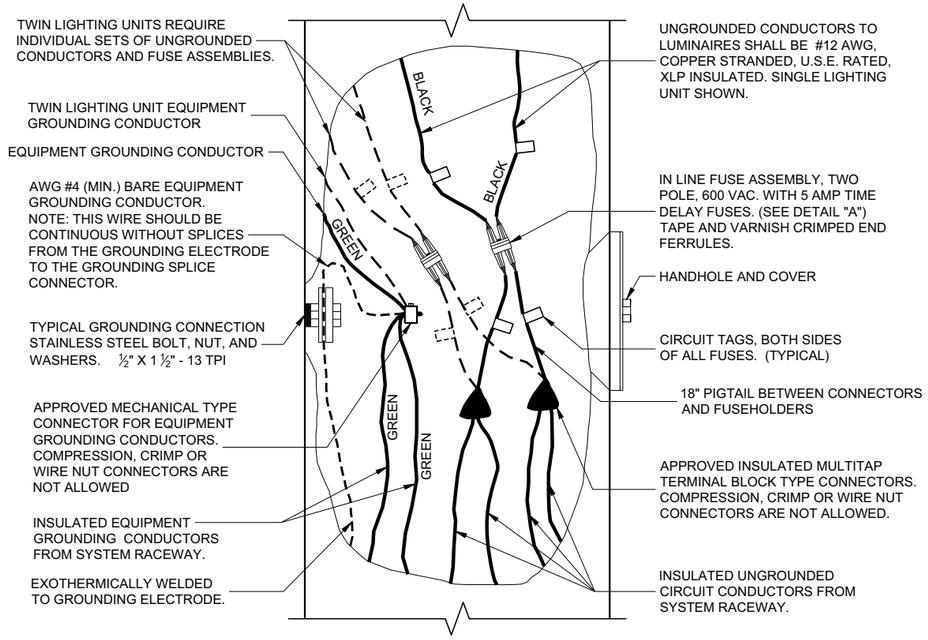
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



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



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



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

NON - FREEWAY LIGHTING UNIT POLE WIRING

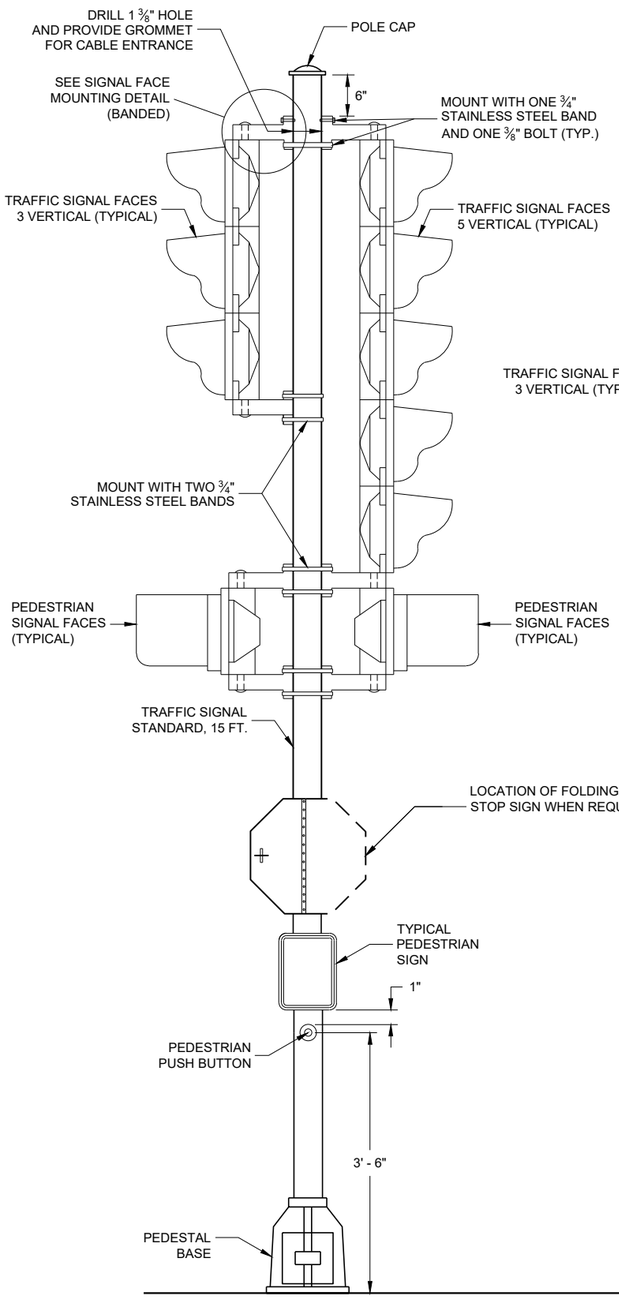
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/S/ Ahmet Demirbilek
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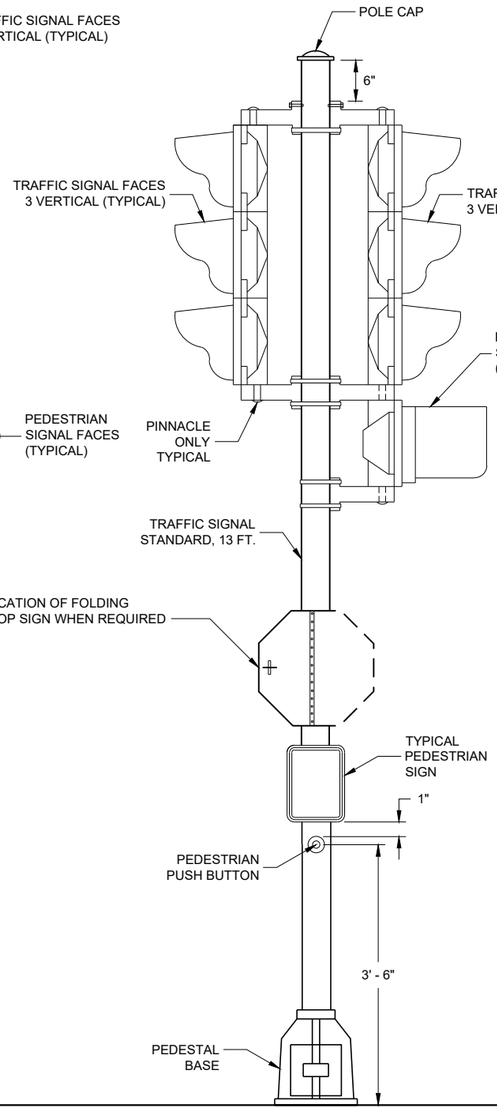
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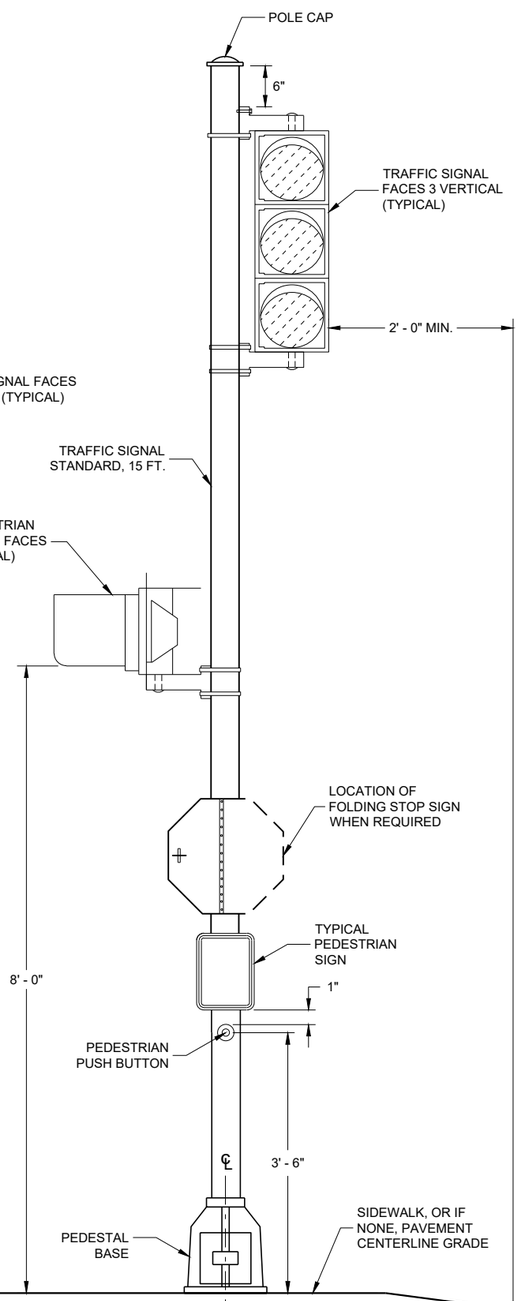
SDD 09E03 - 06



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.

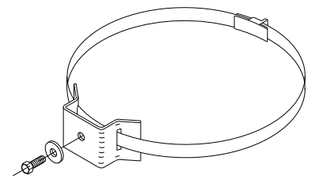
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

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

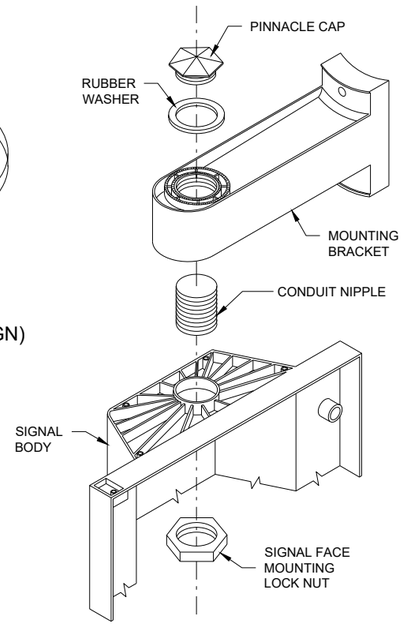
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

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.

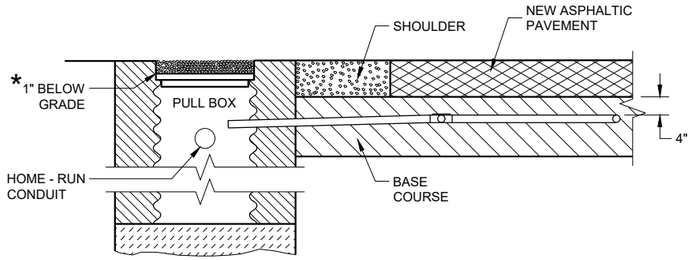
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013
DATE
/S/ Ahmet Demirbilek
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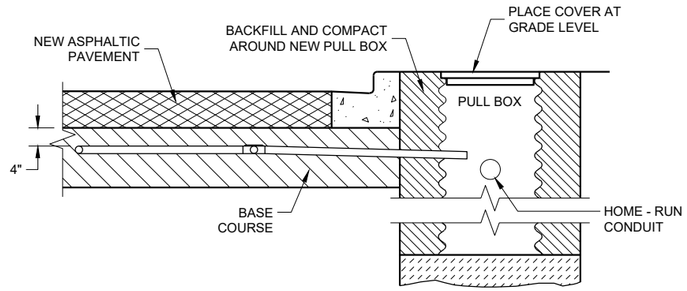
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SDD 09E06 - 05



SECTION A - A
NO CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL



SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

* RECESS PULL 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.

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 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 FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

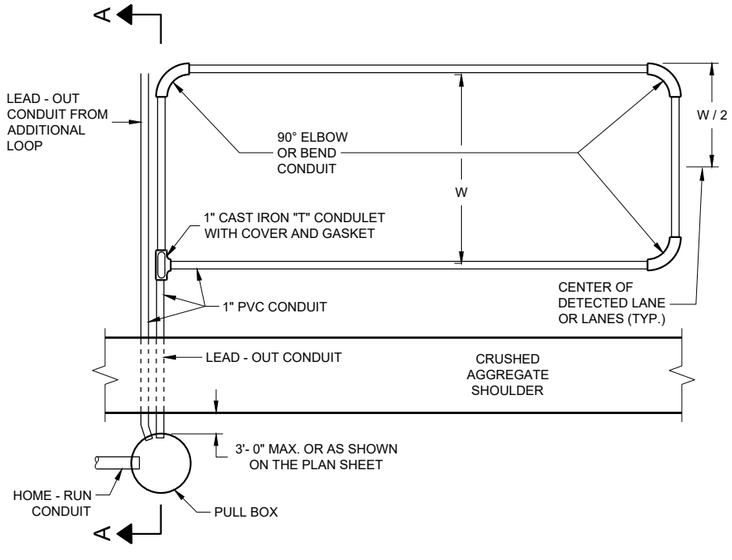
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE PULL BOX IN THE BASE COURSE, AND THE RELATED CONDUITS SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

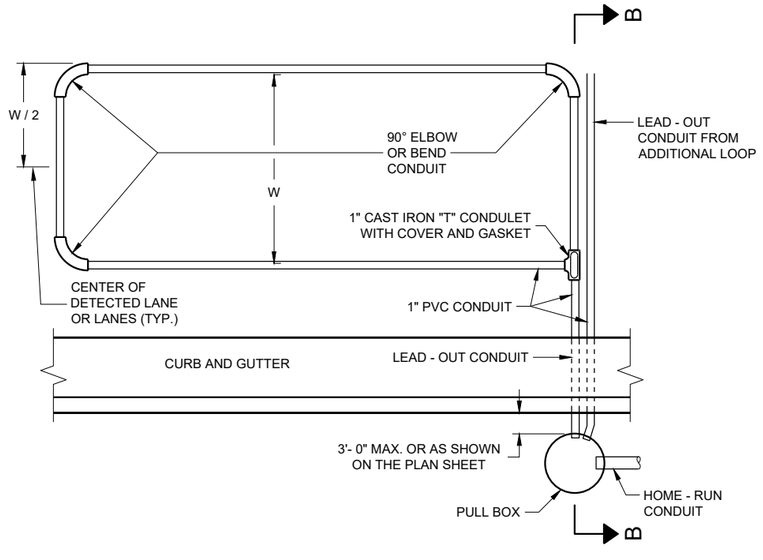
PROTECTION OF THE PULL BOX AND CONDULET SHALL BE REQUIRED AFTER THE ASPHALTIC PAVEMENT IS PLACED.

WHEN MULTIPLE LAYERS OF ASPHALTIC PAVEMENT ARE TO BE PLACED, LOOPS MAY BE INSTALLED BY SAWING A TWO INCH WIDE SLOT IN THE FIRST LAYER, DIG OUT THE ASPHALTIC MATERIAL AND BASE COURSE, PLACE THE LOOP, FILL THE SLOT WITH BASE COURSE MATERIAL AND NEW ASPHALTIC MATERIAL AND TAMP THE ASPHALTIC MATERIAL IN PLACE.

SHOULD TRAFFIC BE ALLOWED TO USE THE AREA OF ROADWAY WITH THE NEWLY INSTALLED LOOP BEFORE THE PLACEMENT OF THE NEXT LAYER OF ASPHALTIC PAVEMENT, THE SLOT/PAVEMENT OPENING SHALL BE SEALED WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".



TYPICAL PLAN OF LOOP DETECTOR



TYPICAL PLAN OF LOOP DETECTOR

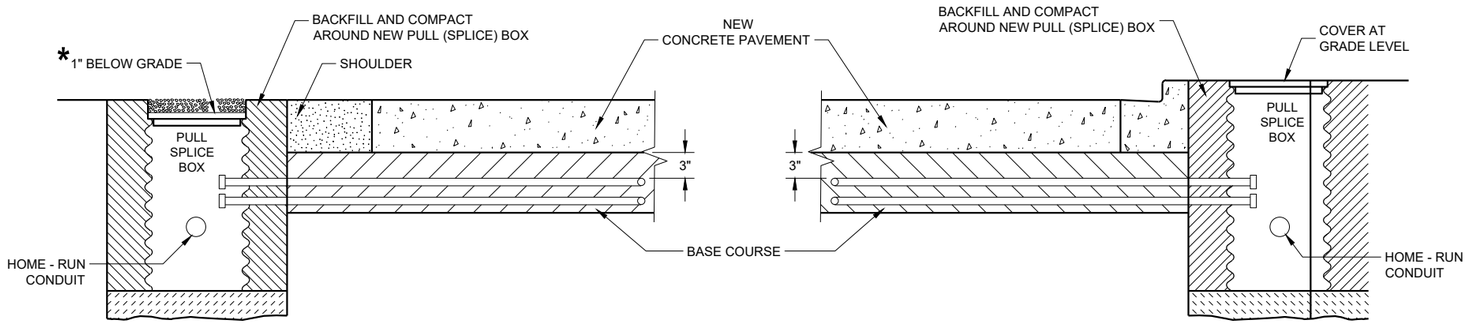
LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 185

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SDD 09F08 - 04



SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

* RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

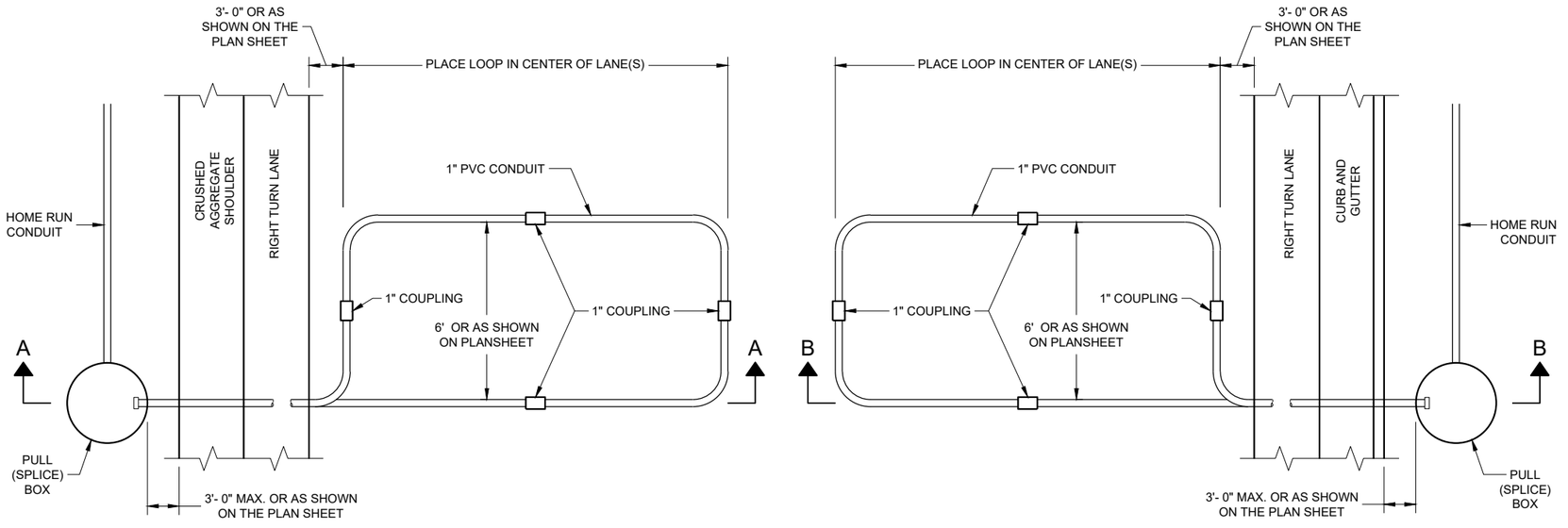
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

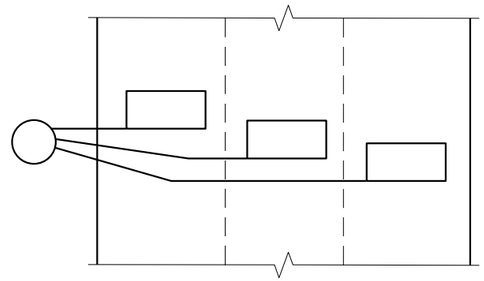
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

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

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



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



MULTI-LANE
INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

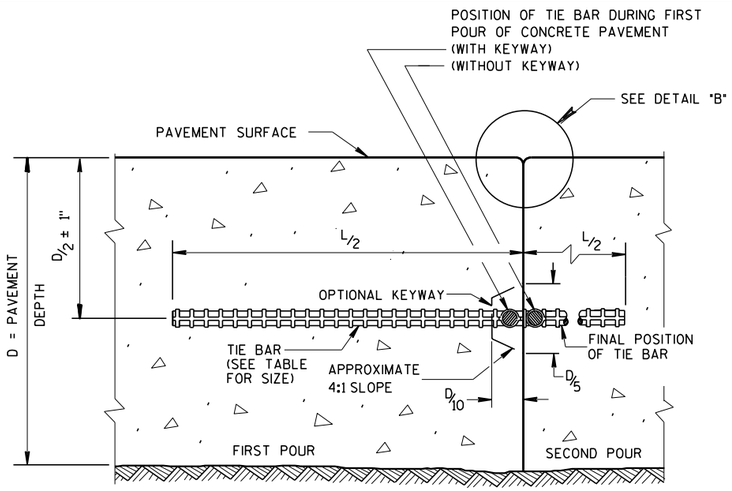
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September 2014
DATE
/S/ Ahmet Demirbilek
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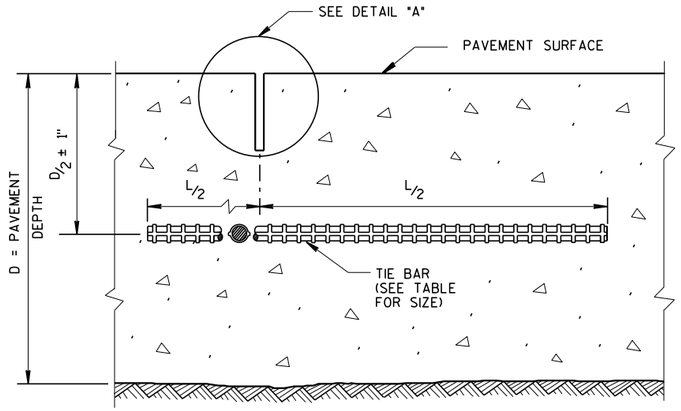
SDD 09F15 - 04b

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SDD 09F15 - 04b



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

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

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

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

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

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

DETAIL "C"

TIE BAR TABLE

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

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

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

PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

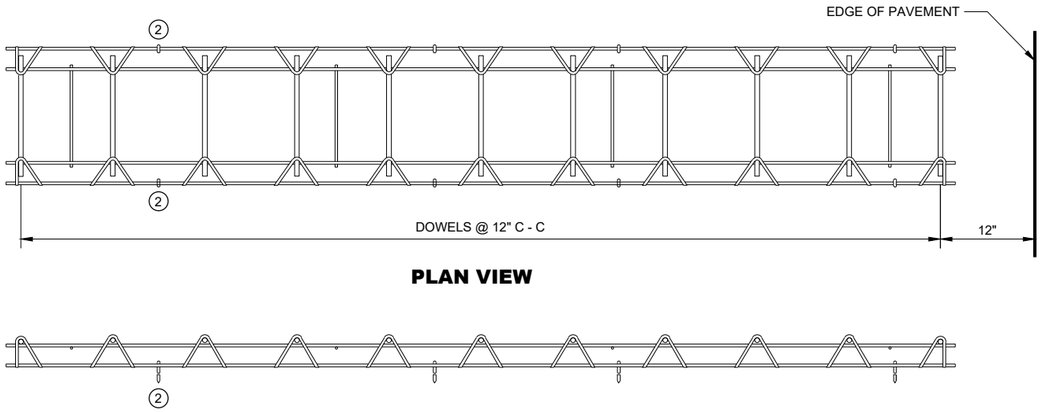
APPROVED
March 2018 — DATE
/S/ Peter Kemp PE — PAVEMENT SUPE
FHWA

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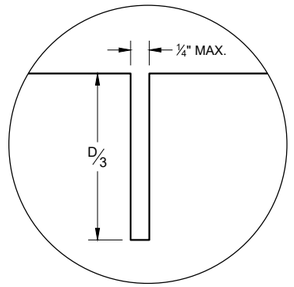
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PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY (1)



JOINT DETAIL

GENERAL NOTES

CONTRACTION JOINTS

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

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

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

CONSTRUCTION JOINTS

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

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

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

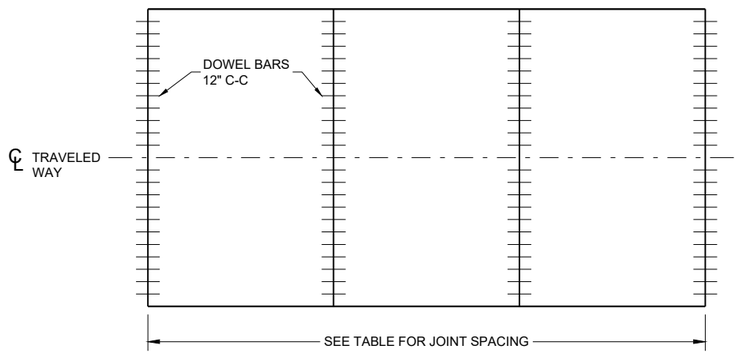
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

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

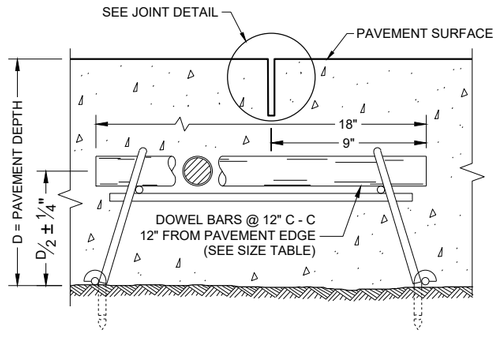
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED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

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

(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



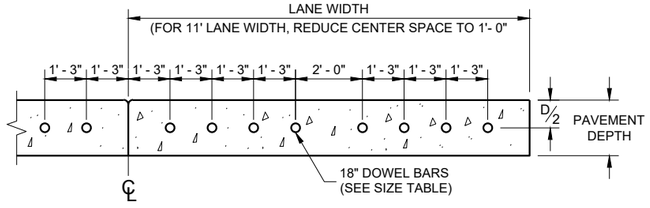
CONTRACTION JOINT LOCATIONS



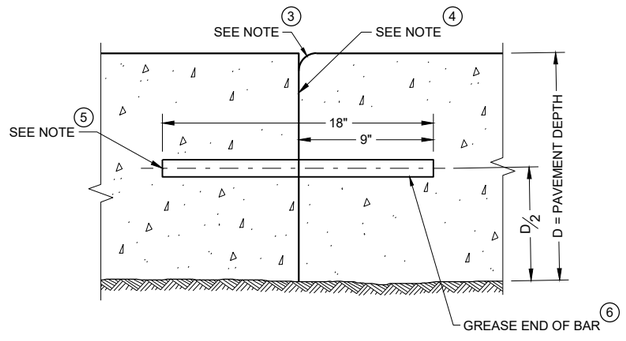
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

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



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

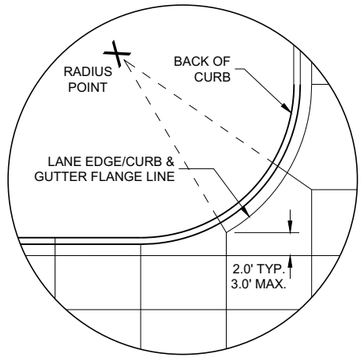
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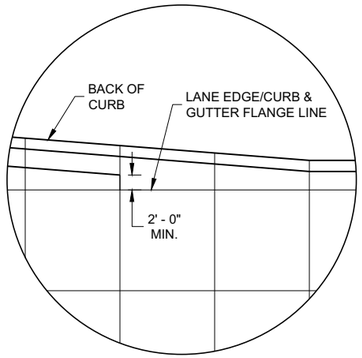
SDD 13C13 - 10

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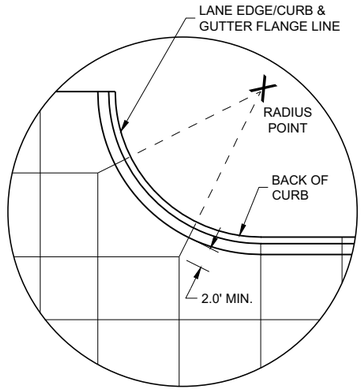
SDD 13C13 - 10



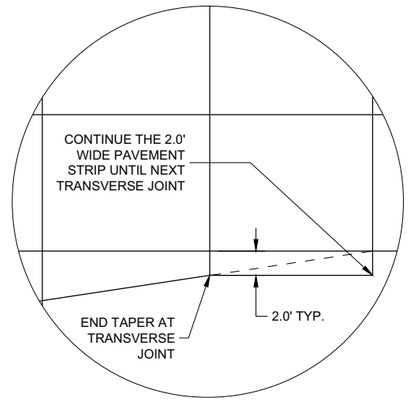
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

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

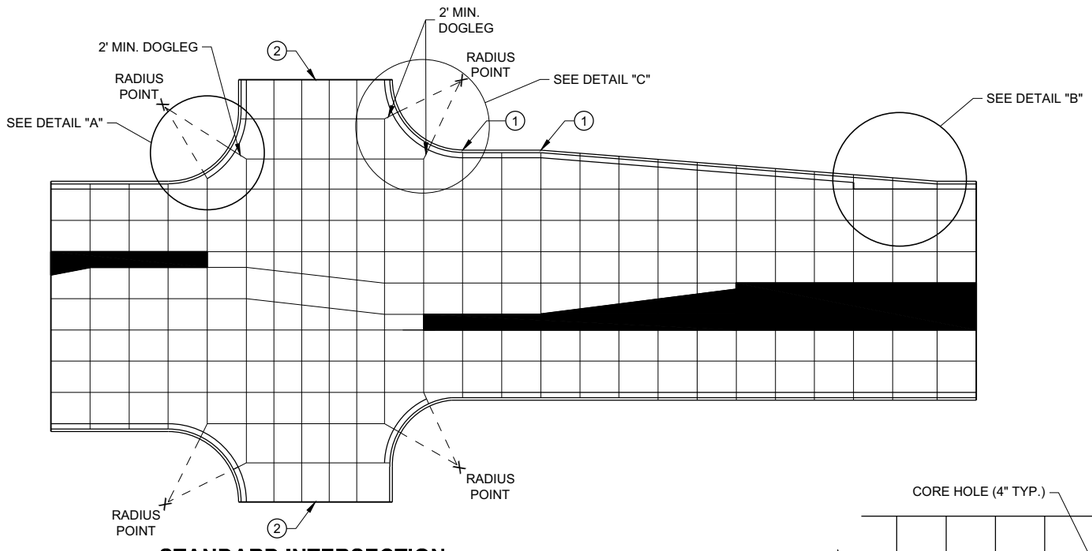
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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

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

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.

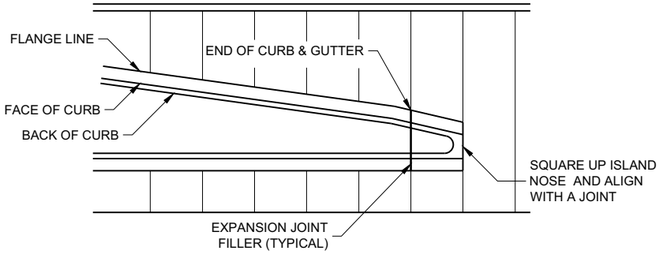


STANDARD INTERSECTION

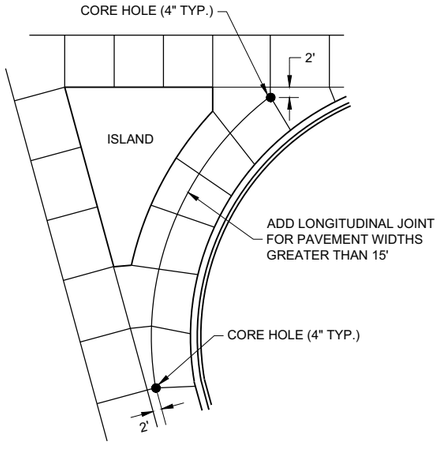
PAVEMENT DEPTH AND JOINT SPACING TABLE

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

SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C18 - 07a

6

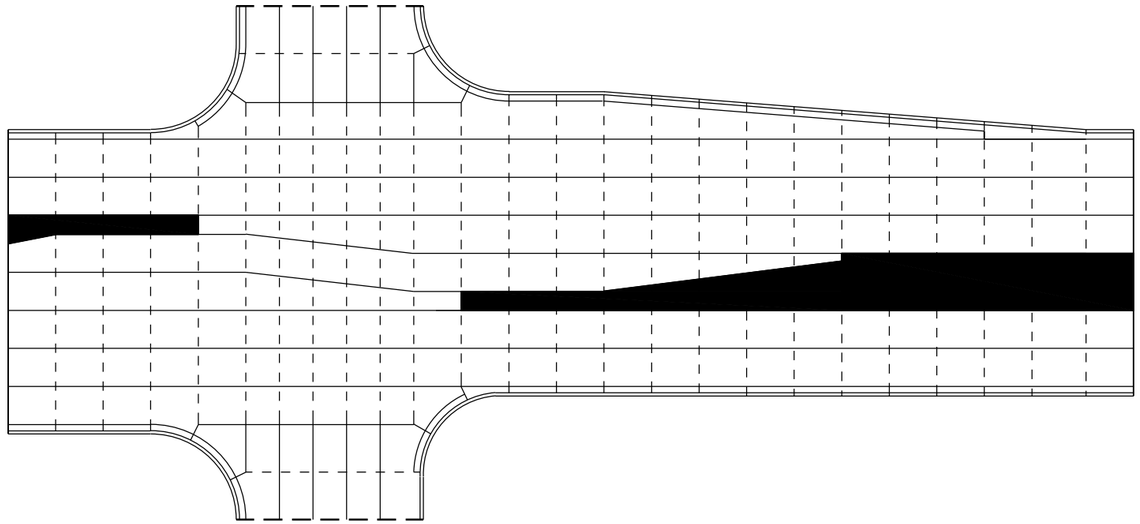
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

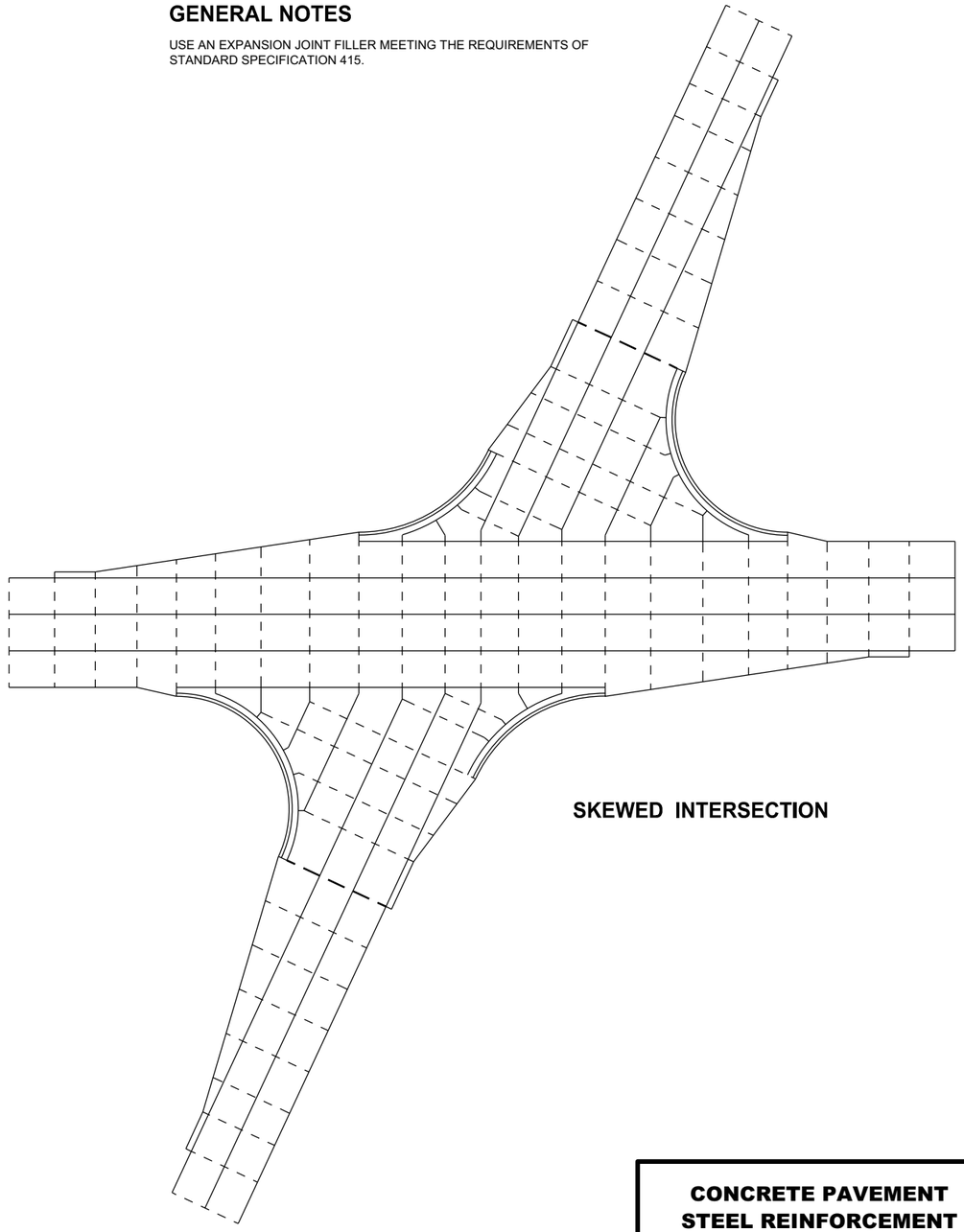
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

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



SKEWED INTERSECTION

6

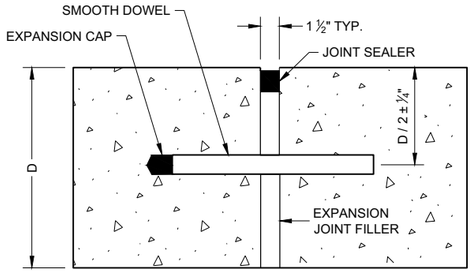
SDD 13C18 - 07b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

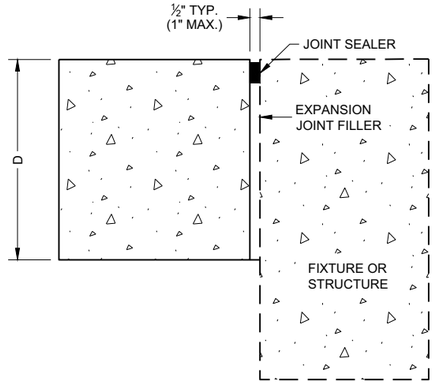
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

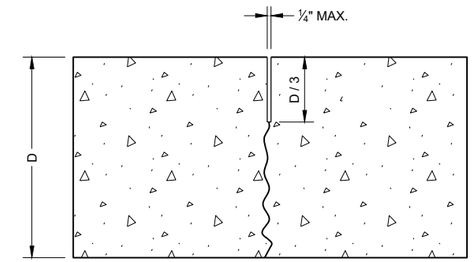
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

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

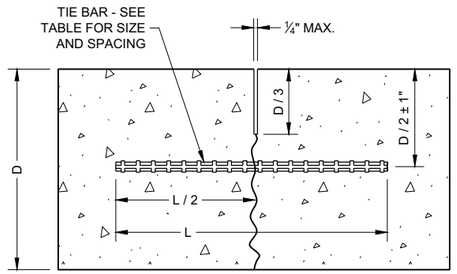
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

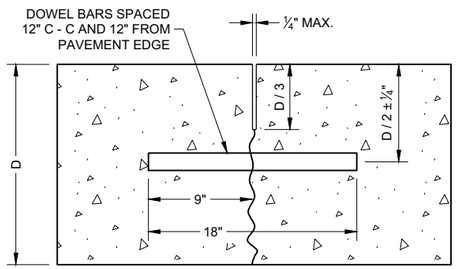
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM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



UNDOWELED TRANSVERSE

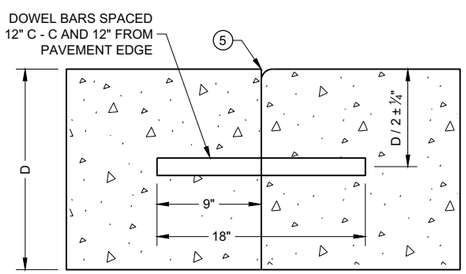


TIED LONGITUDINAL

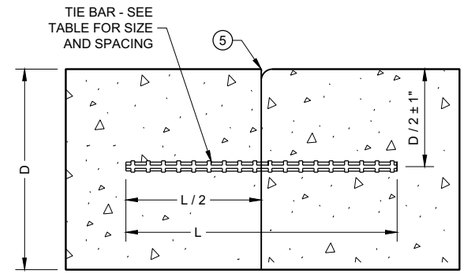


DOWELED TRANSVERSE

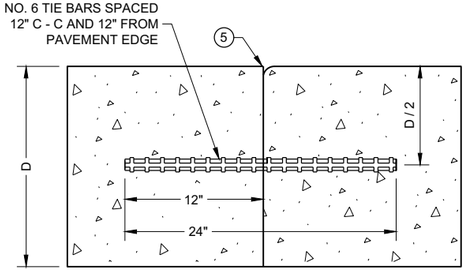
CONTRACTION JOINTS (2)



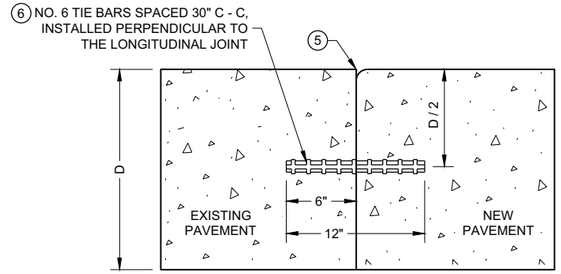
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



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



TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

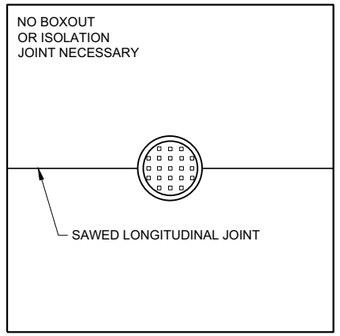
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

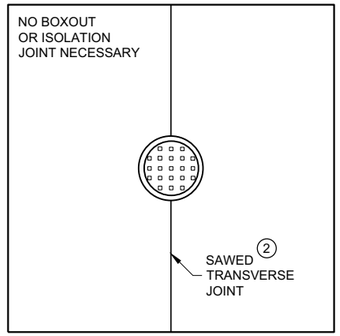
SDD 13C18 - 07c

6

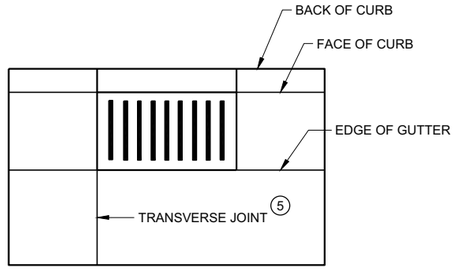
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



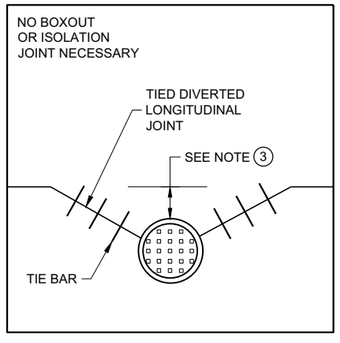
MANHOLE WITH TRANSVERSE JOINT



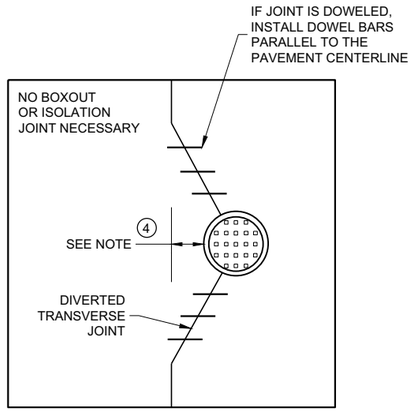
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

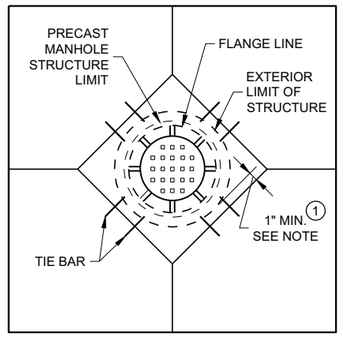
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF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



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

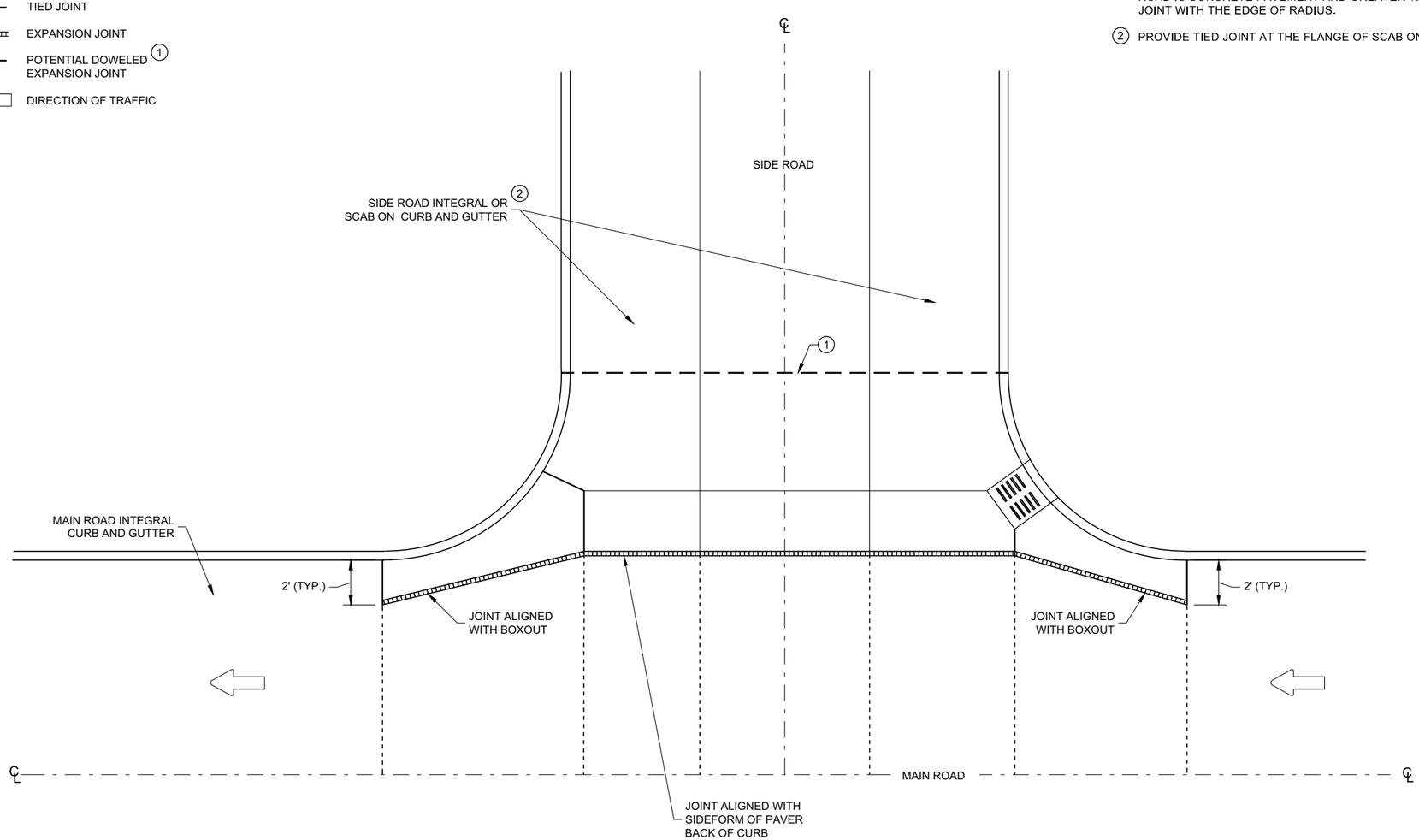
FHWA

6

SDD13C18 - 07d
SDD13C18 - 07d

LEGEND

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



GENERAL NOTES

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

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

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
ROADWAY STANDARDS DEVE ENGINEER

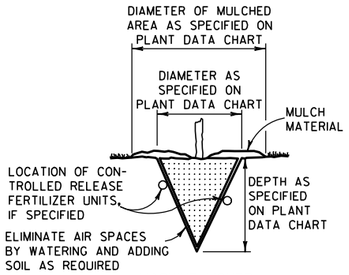
FHWA

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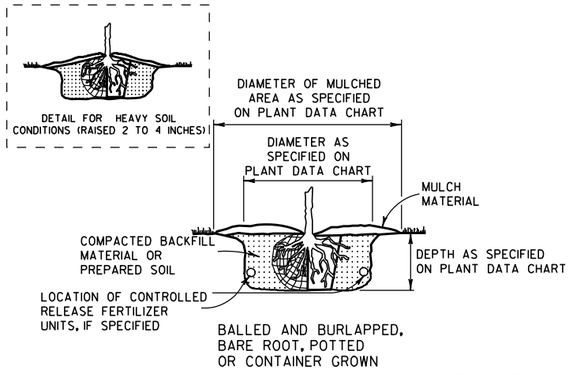
SDD 13C18 - 07f

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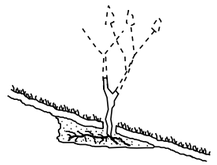
SDD 13C18 - 07f



MACHINE MOVED

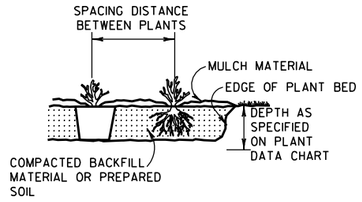


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



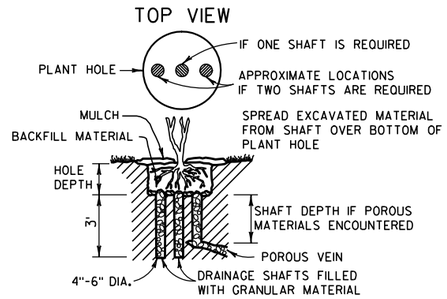
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



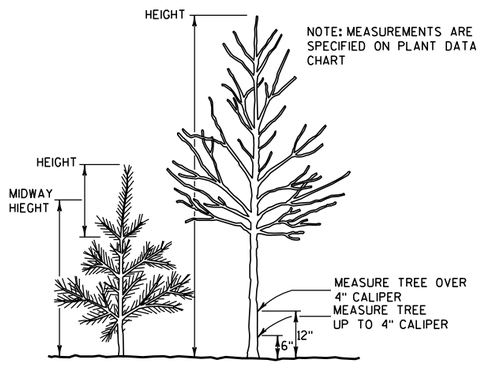
PREPARED BED (BARE ROOT AND POTTED)

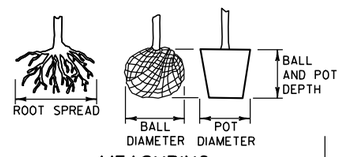
PLANTING



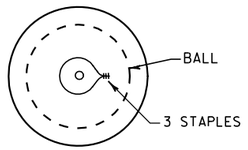
NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

DRAINING

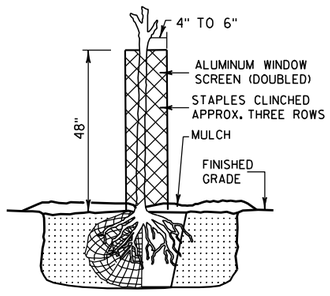




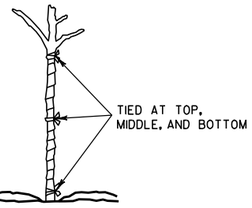
MEASURING



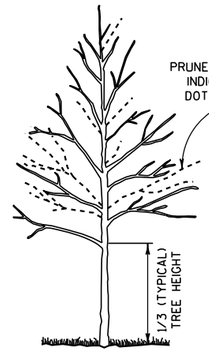
TOP VIEW



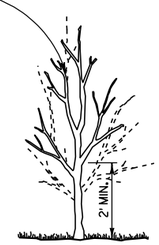
RODENT PROTECTION



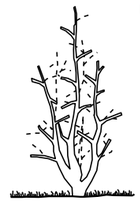
WRAPPING



TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)



SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)



MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

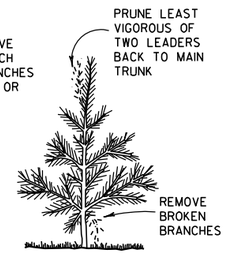
NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES



SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

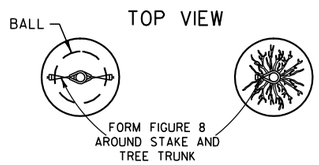


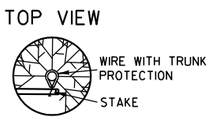
SUMAC

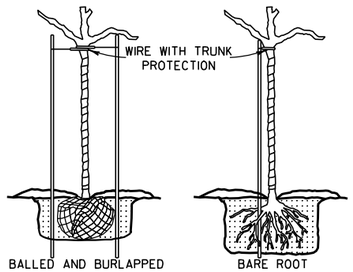


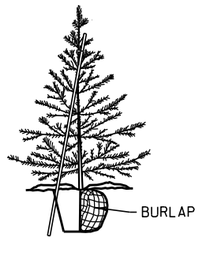
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

PRUNING



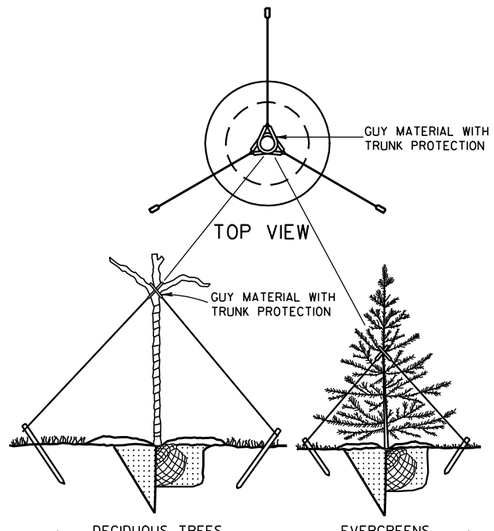






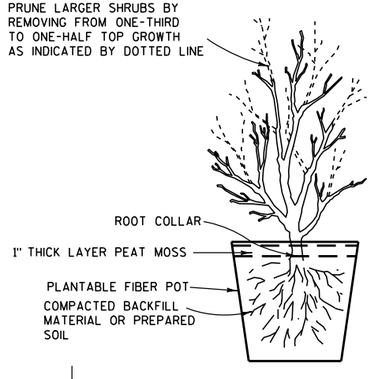
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING

PRUNE LARGER SHRUBS BY REMOVING FROM ONE-THIRD TO ONE-HALF TOP GROWTH AS INDICATED BY DOTTED LINE



POTTING

NOTES

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

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

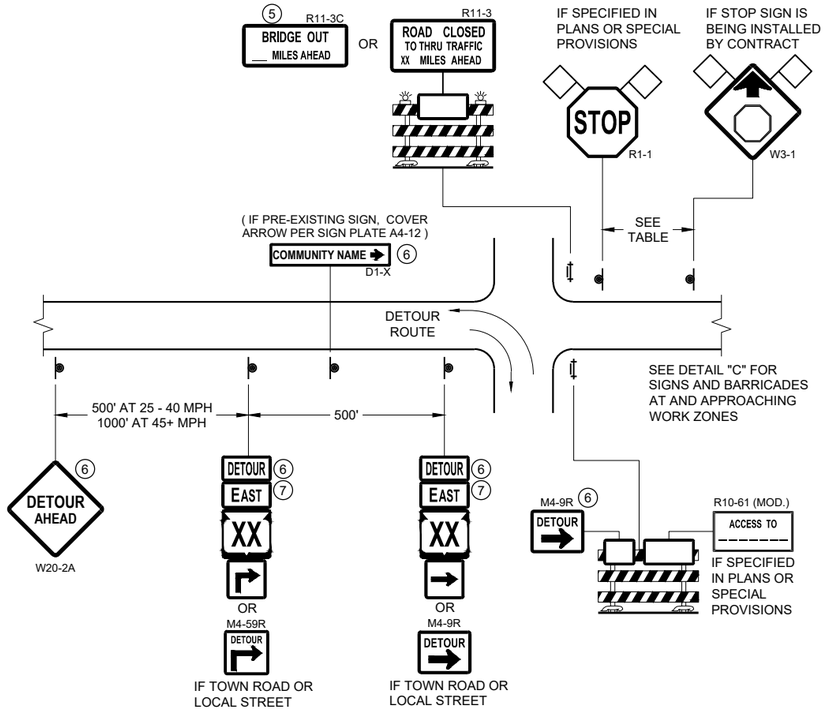
TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94
DATE
/S/ Rory L. Rhinesmith
CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

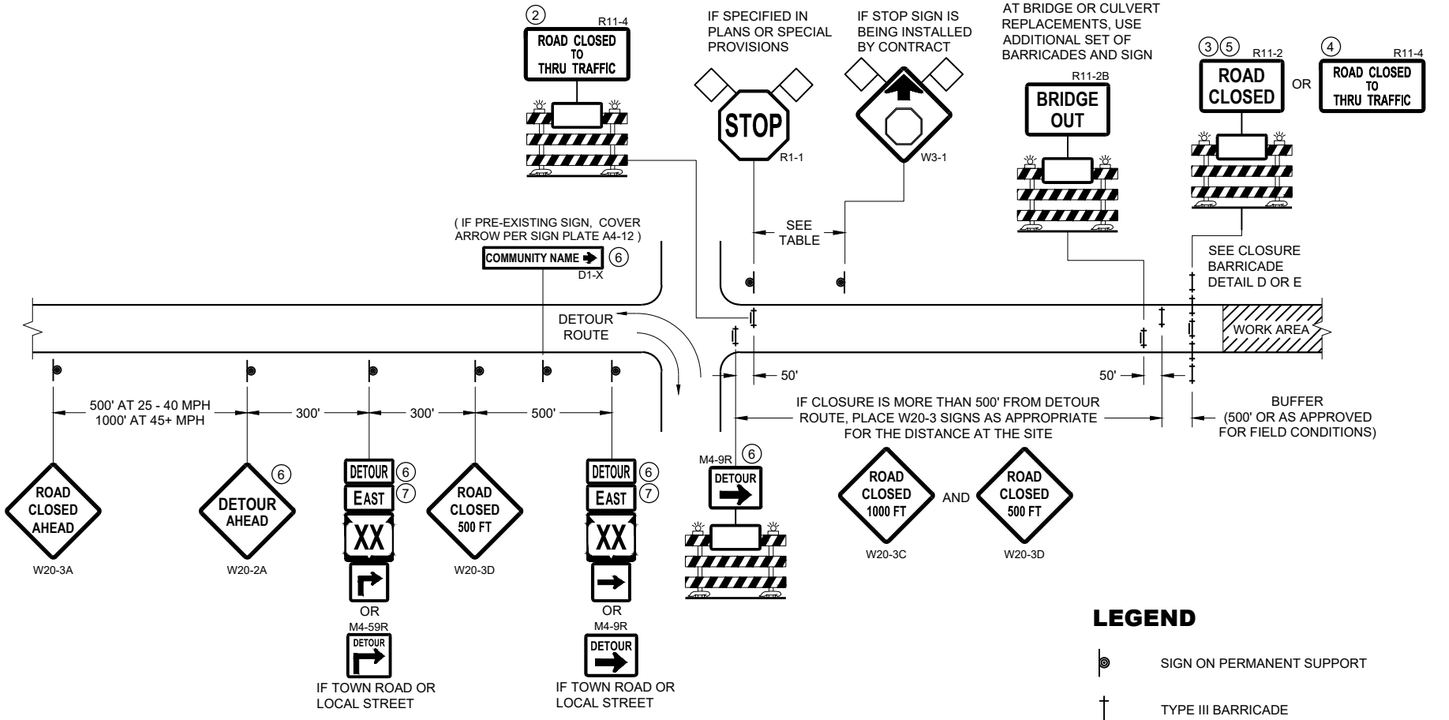
S.D.D. 14 A 2-1

S.D.D. 14 A 2-1



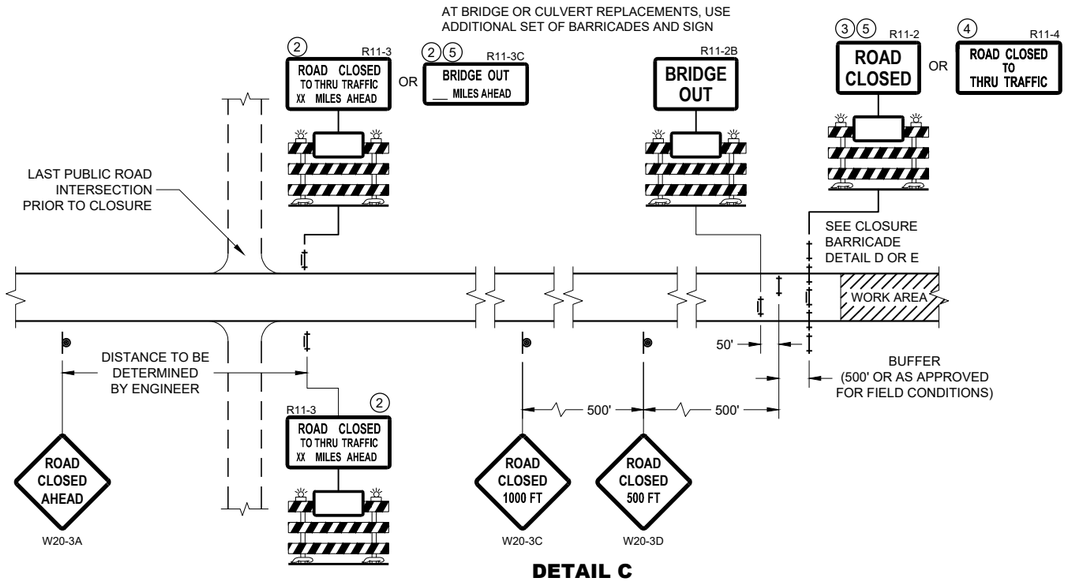
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

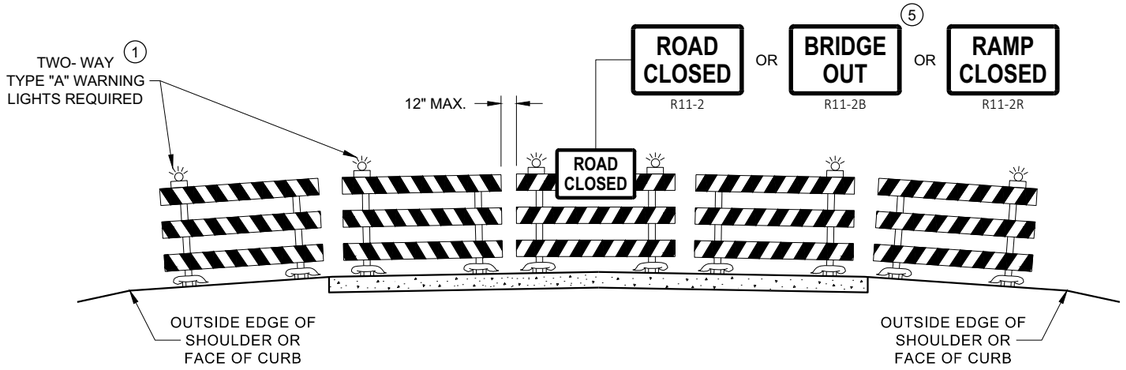
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

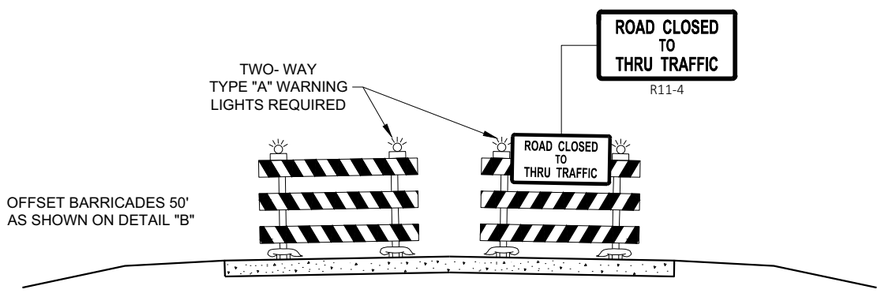
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SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4; XX — M1 - 6; COUNTY X — M1 - 5A
- M05 - 1; M06 - 1; M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

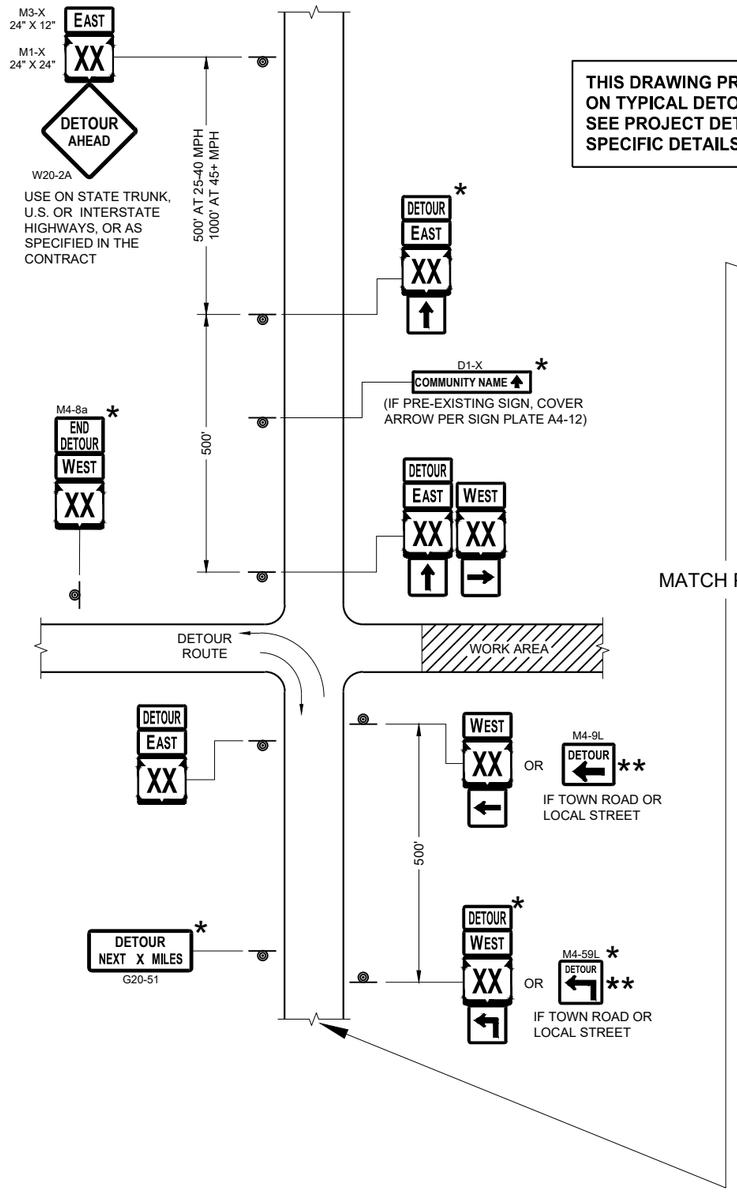
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

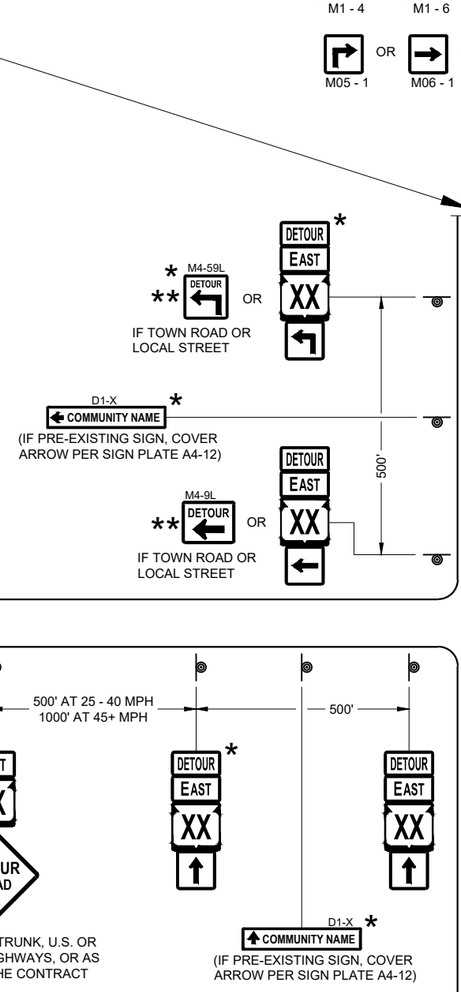
M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
M4-9 AND M4-59 SHALL BE 30" X 24"
M4-8a SHALL BE 24" X 18"
G20-51 SHALL BE 60" X 24"
W20-2A SHALL BE 48" X 48"
D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

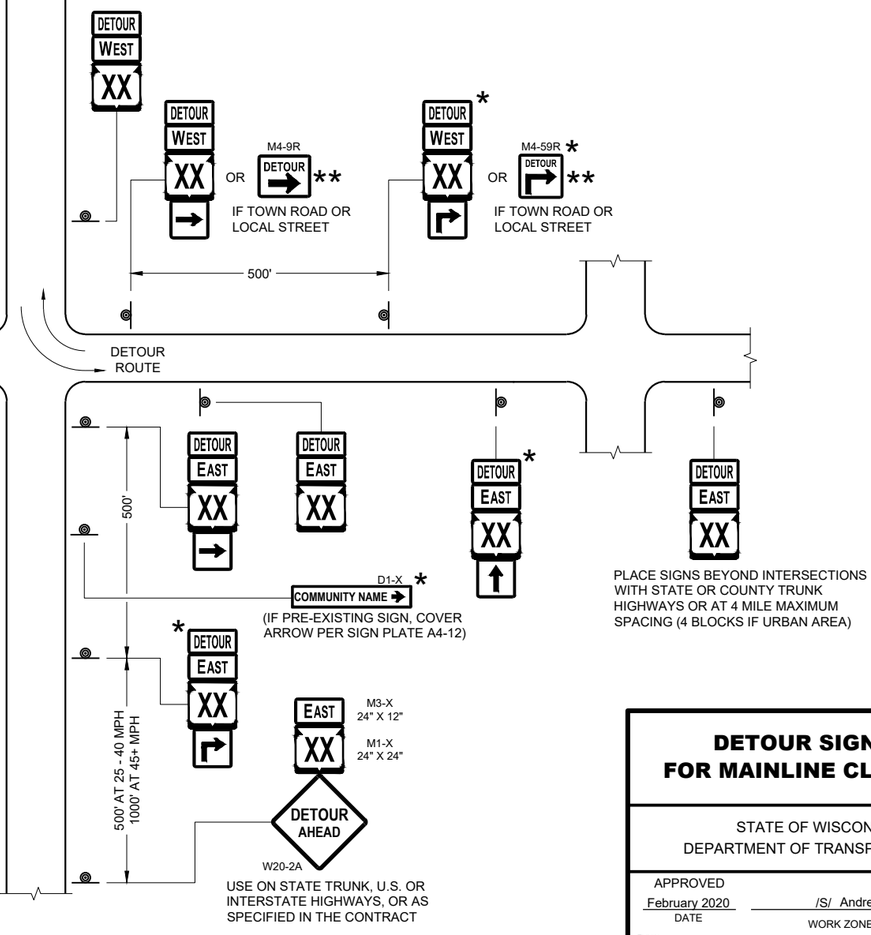
* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



MATCH POINT





SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

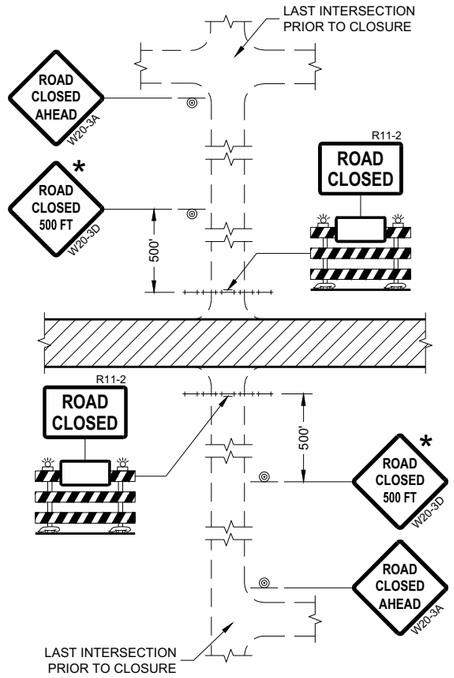
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

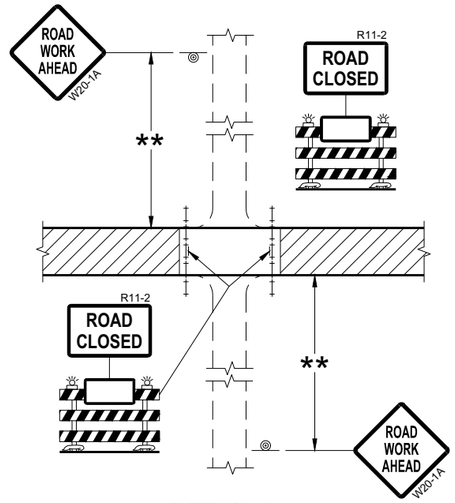
SDD 15C02 - 08c

SDD 15C02 - 08c

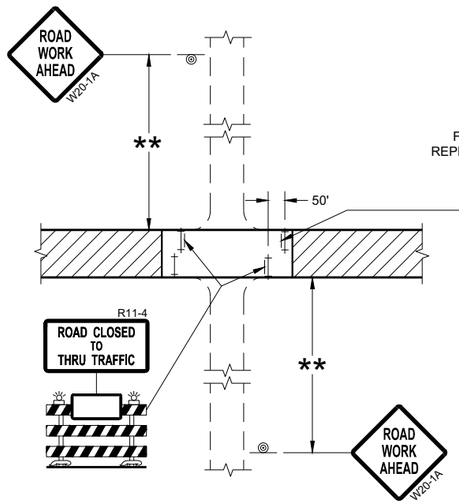
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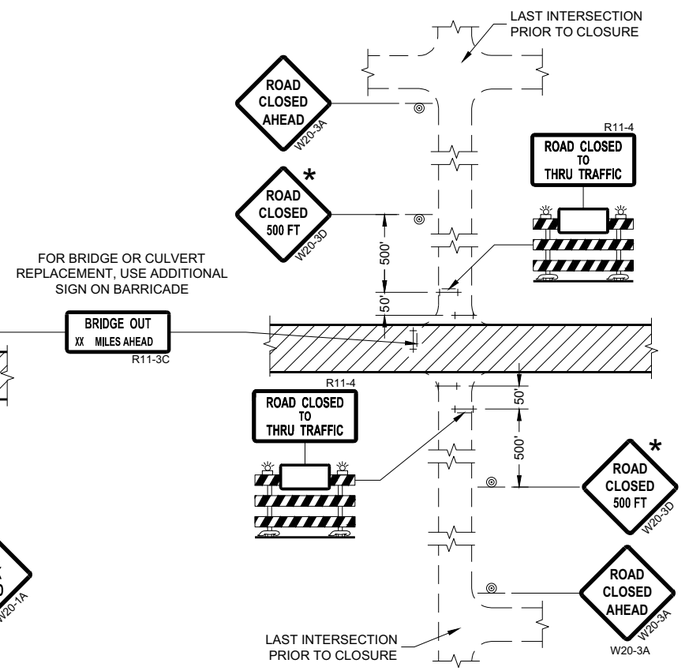
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

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

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

6

SDD 15C03 - 05

GENERAL NOTES

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

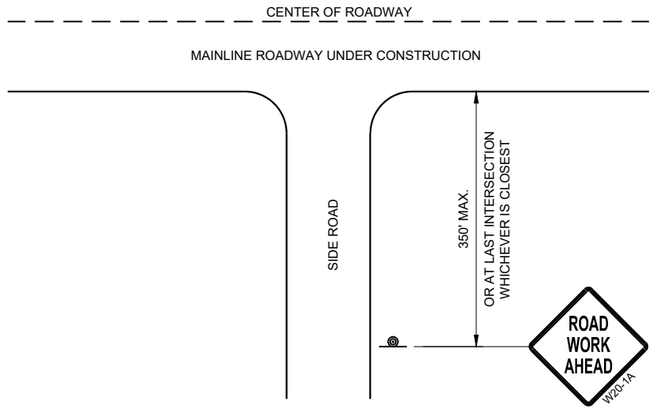
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



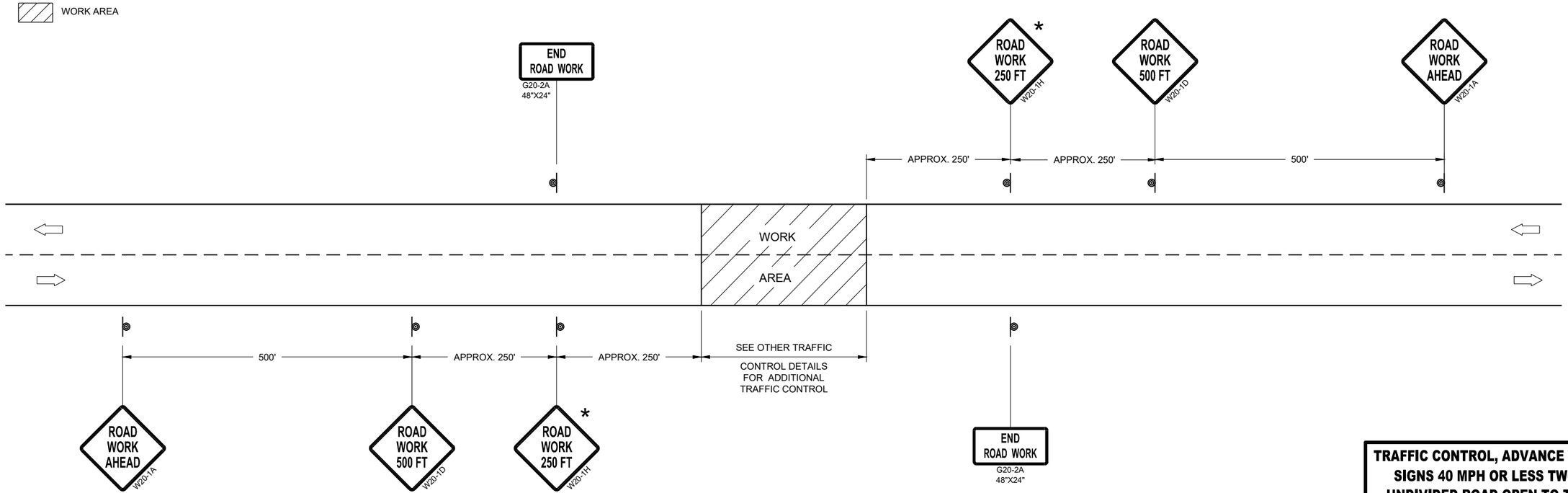
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

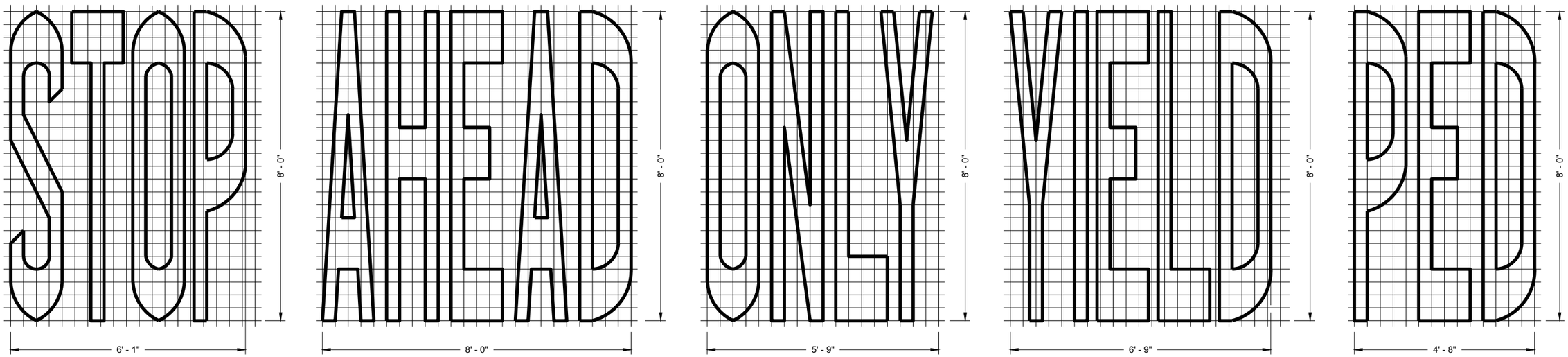
FHWA

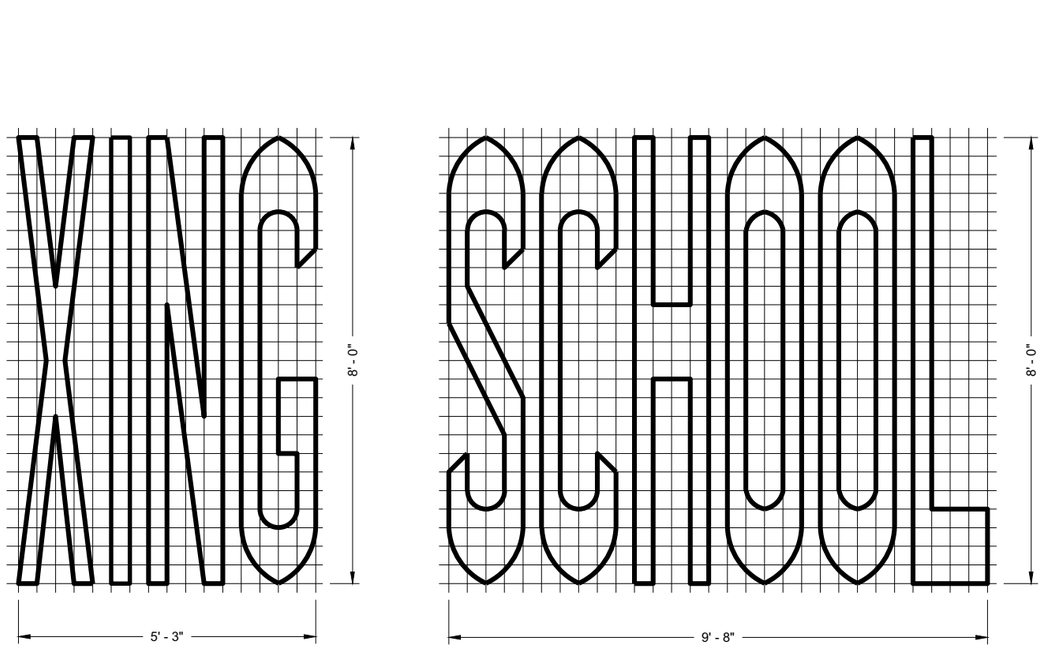
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SDD 15C05 - 05

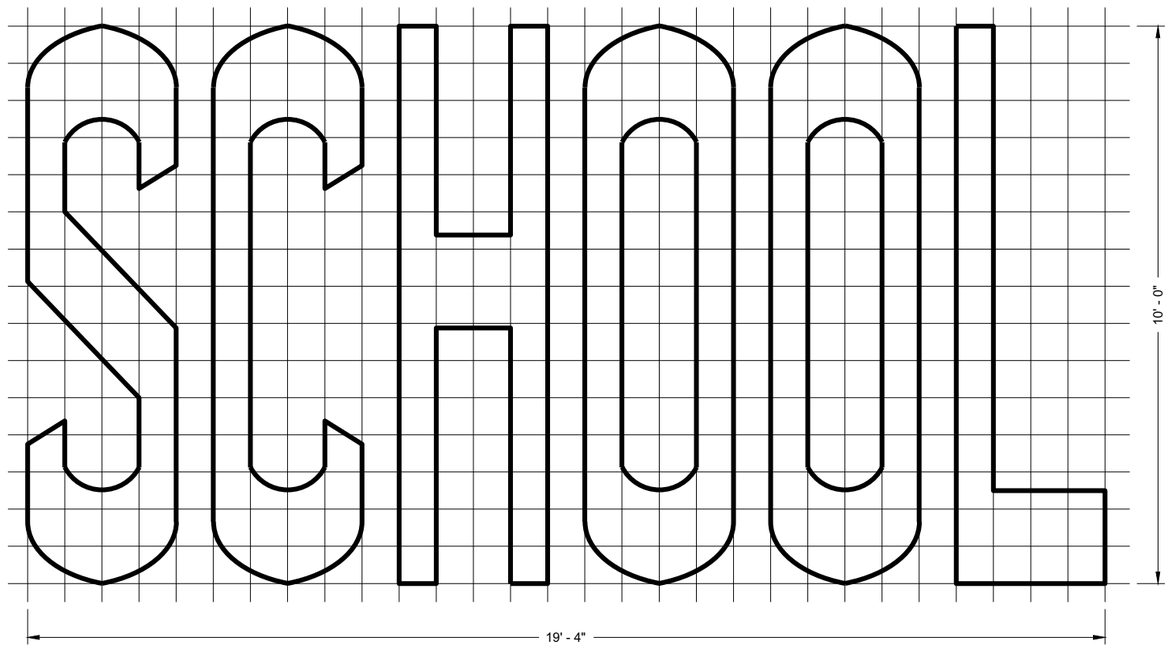
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SDD 15C05 - 05





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

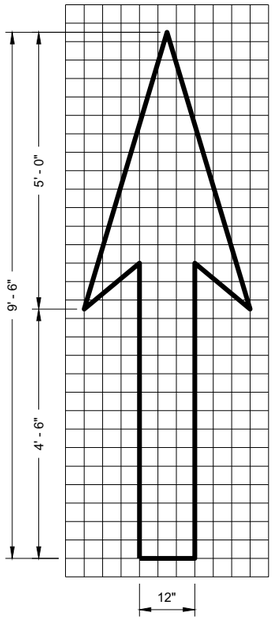
/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

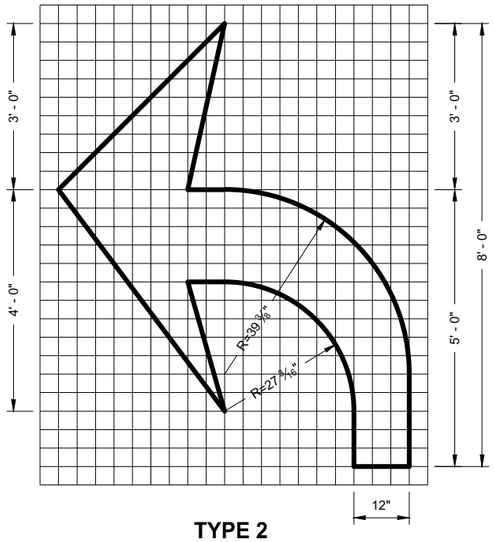
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SDD 15C07 - 15b

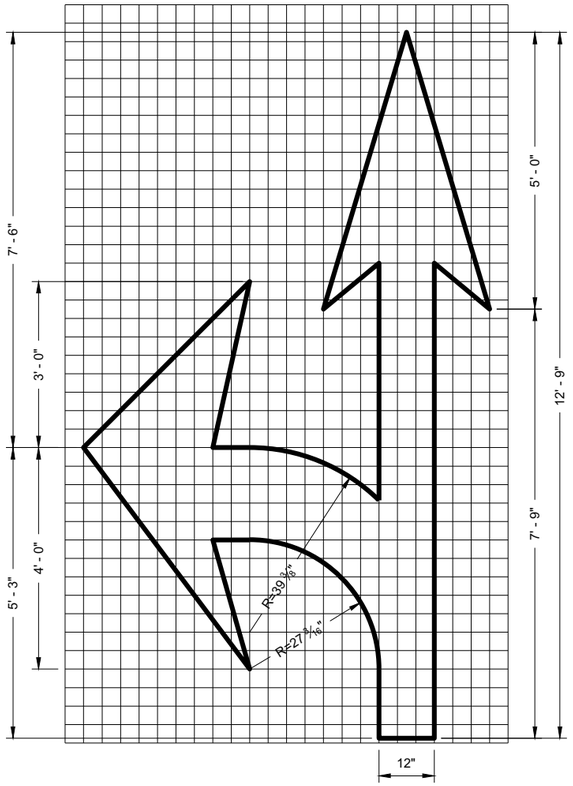
SDD 15C07 - 15b



TYPE 1



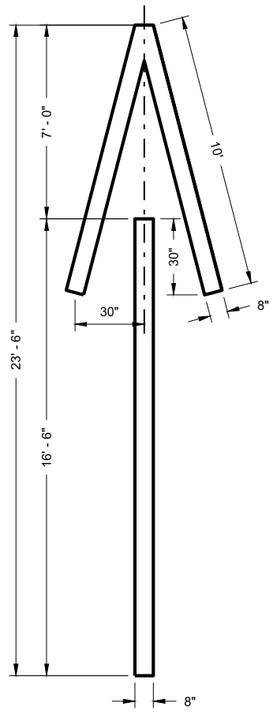
TYPE 2



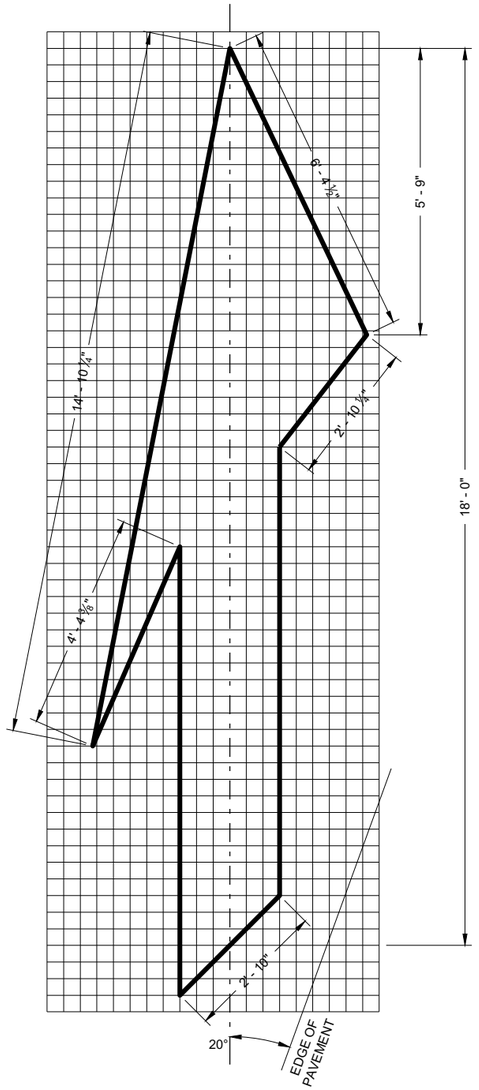
TYPE 3

GENERAL NOTES

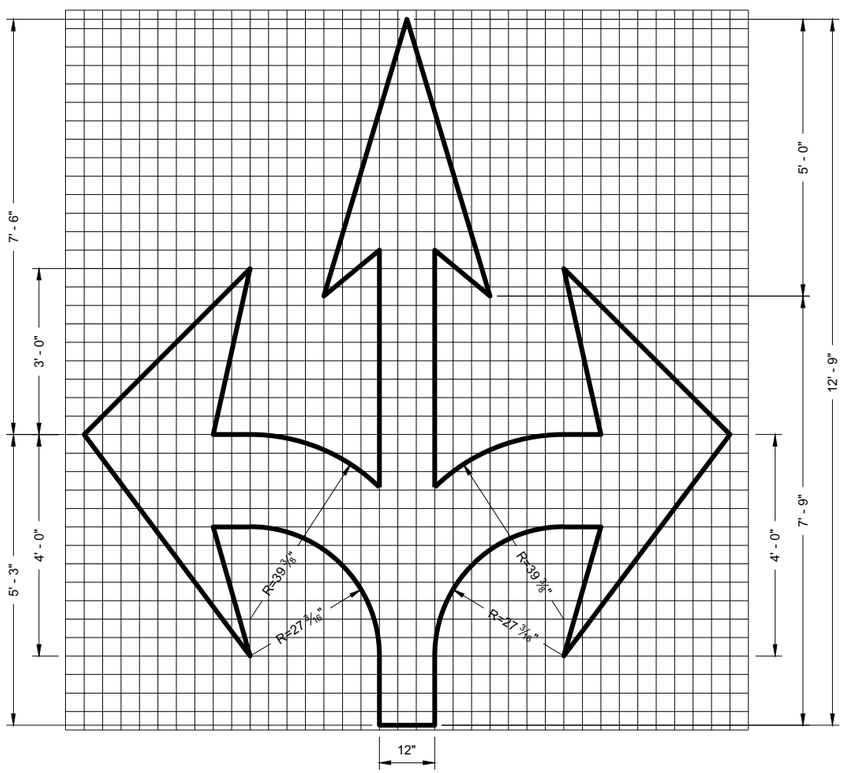
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



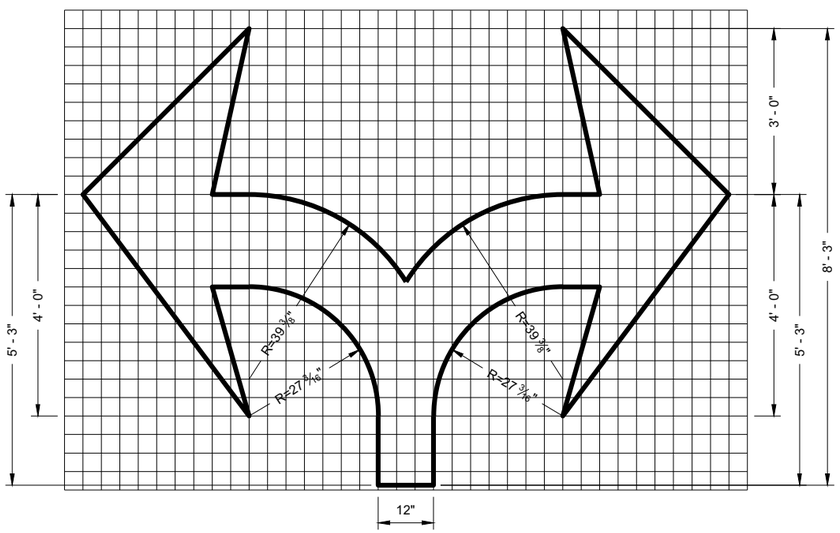
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD 15C07 - 15c

6

SDD 15C07 - 15c

GENERAL NOTES

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

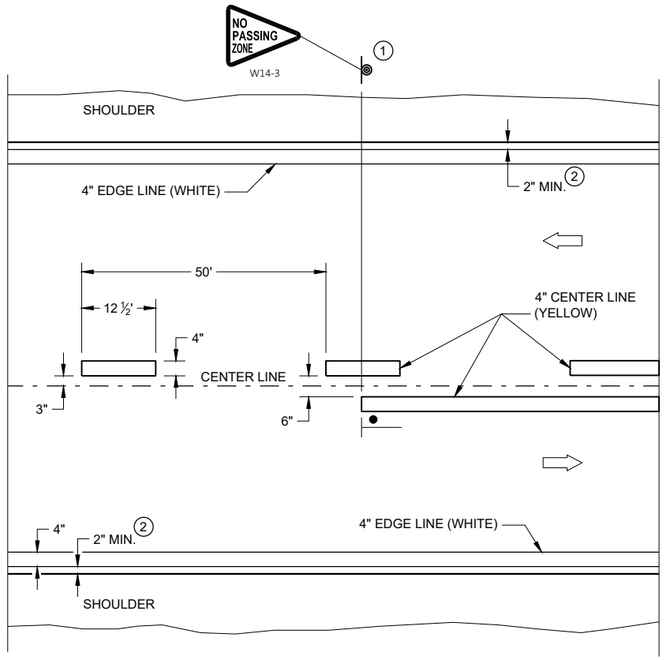
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

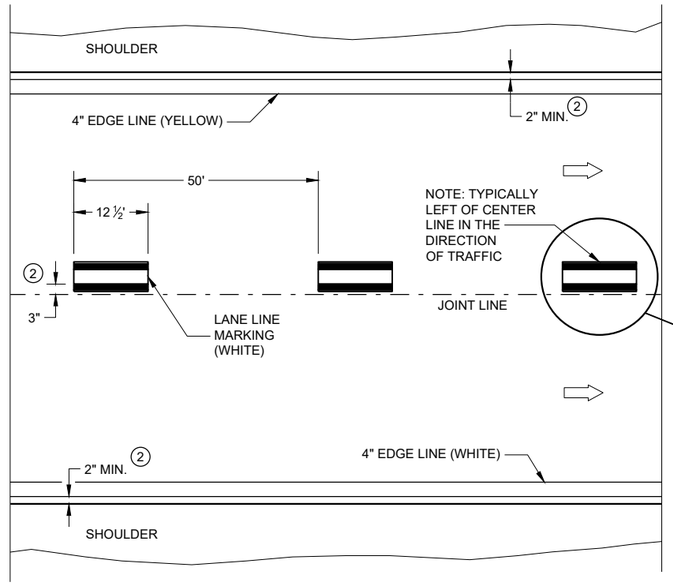
"T" MARKING

SIGN ON PERMANENT SUPPORT

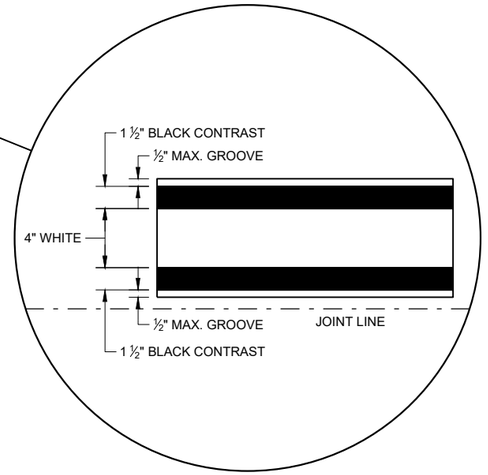
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

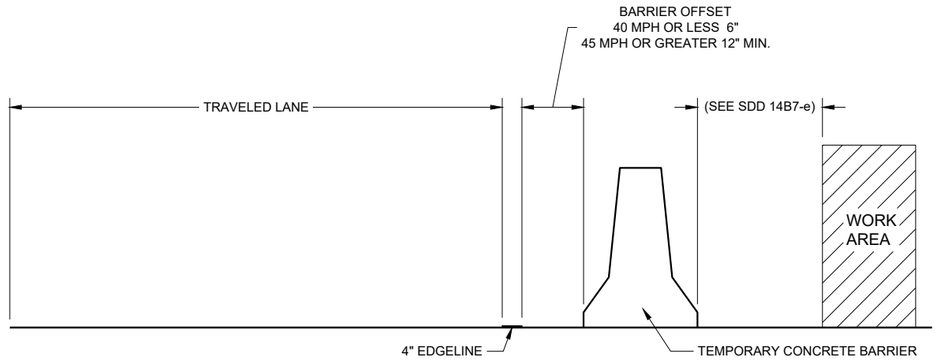
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Jeannie Silver — STATEWIDE SIGNING AND M ENGINEER

FHWA

SDD 15C08 - 21a

SDD 15C08 - 21a



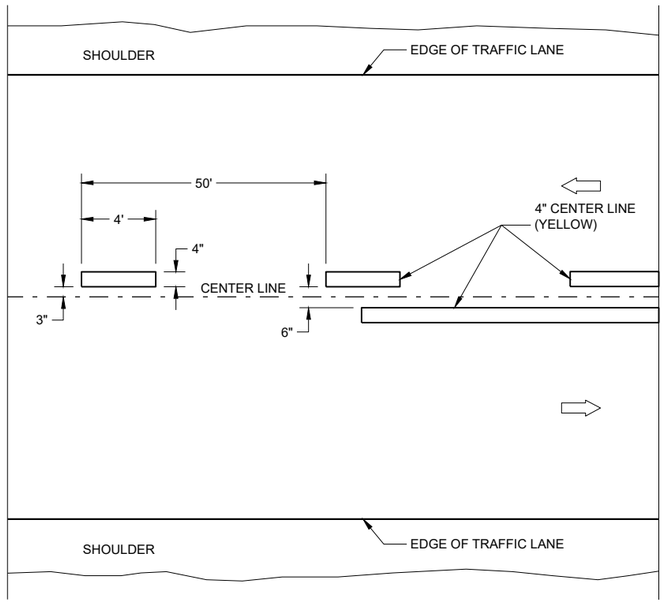
TEMPORARY BARRIER OFFSET FROM EDGELINE

GENERAL NOTES

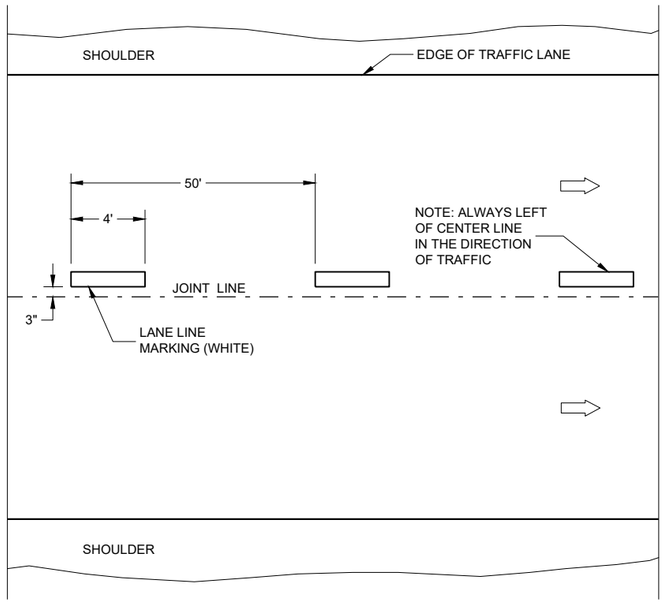
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

LEGEND

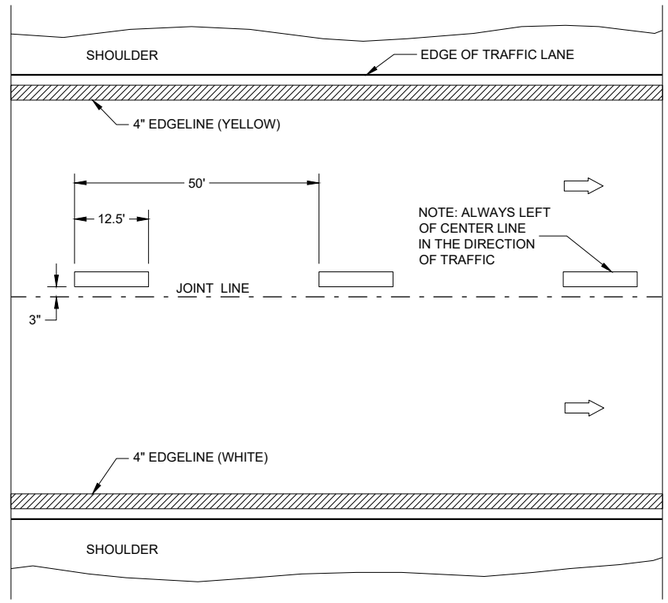
DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2022 DATE	/S/ Jeannie Silver STATEWIDE SIGNING AND M ENGINEER
FHWA	203

6

SDD 15C08 - 21b

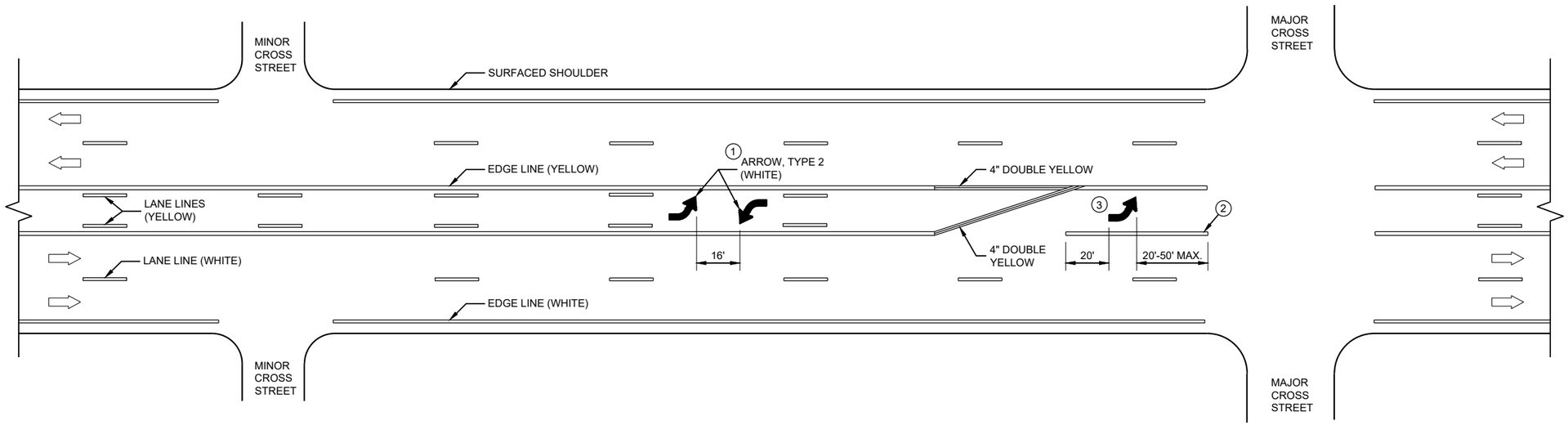
6

SDD 15C08 - 21b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

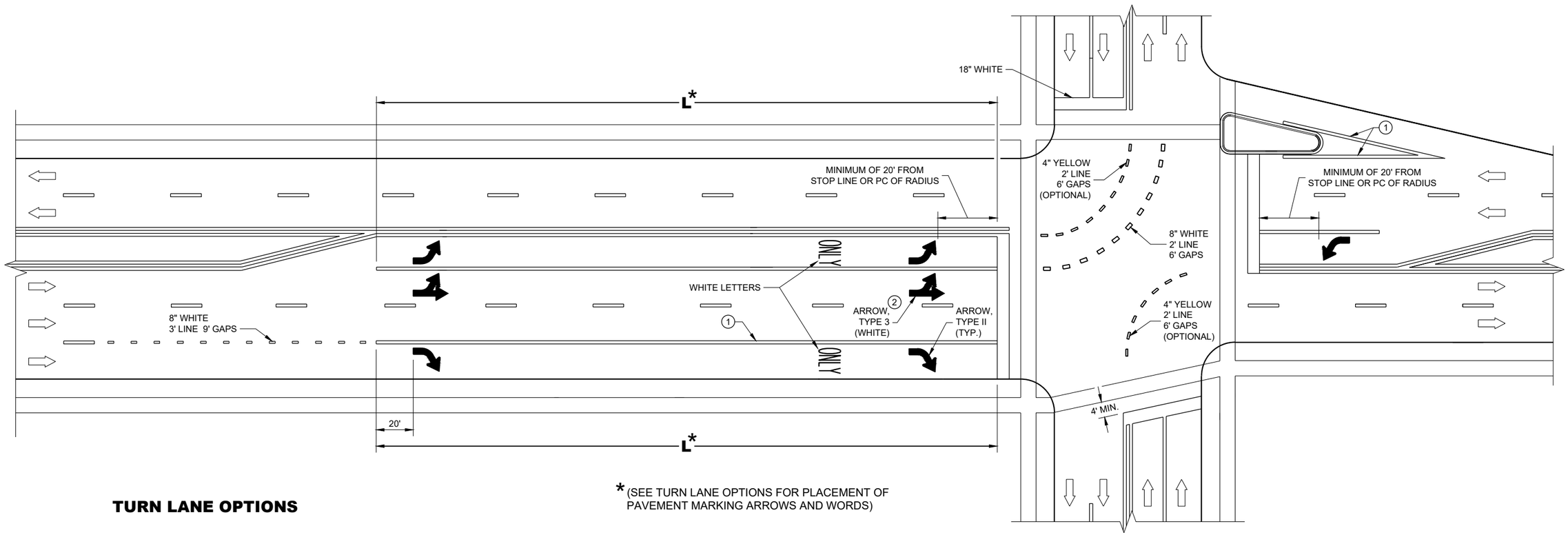
SDD 15C08 - 21c

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

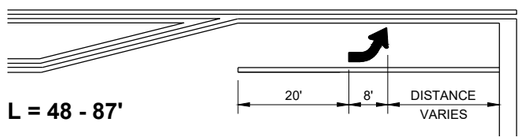
SDD 15C08 - 21c



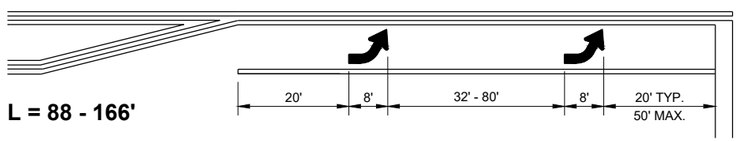
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

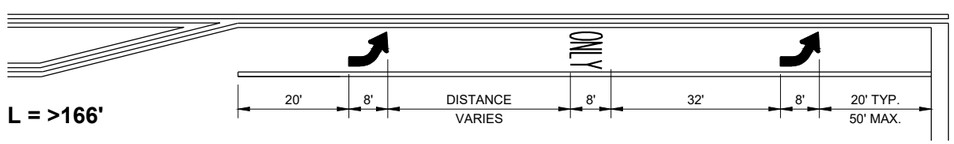
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

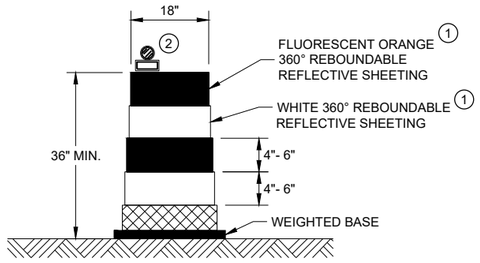
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

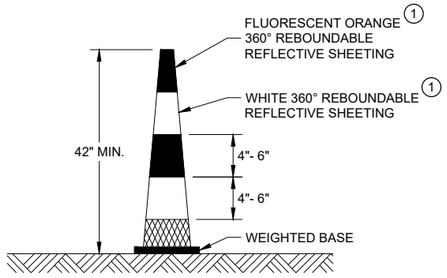
SDD 15C08 - 21d

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

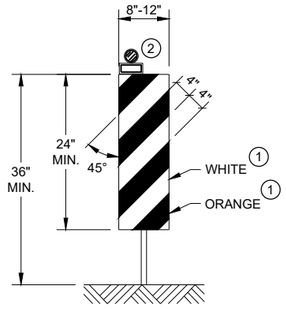


DRUM



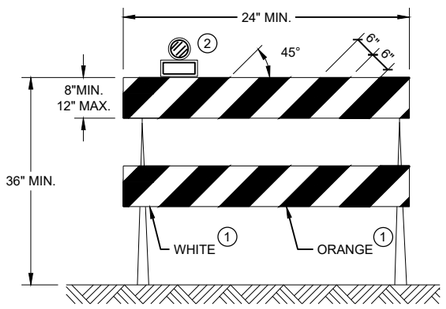
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



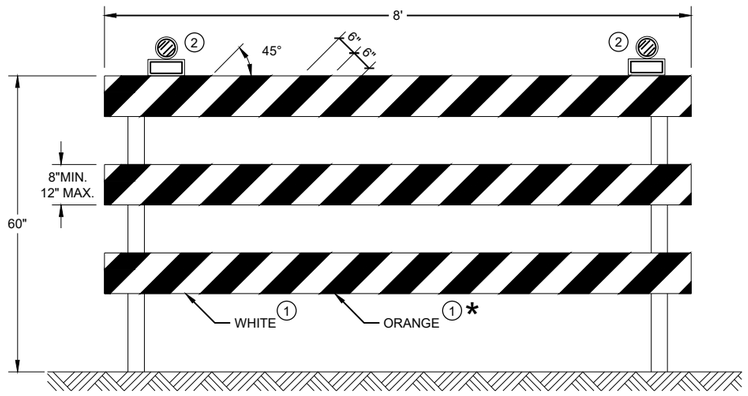
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 09b

6

SDD 15C11 - 09b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

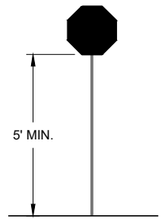
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

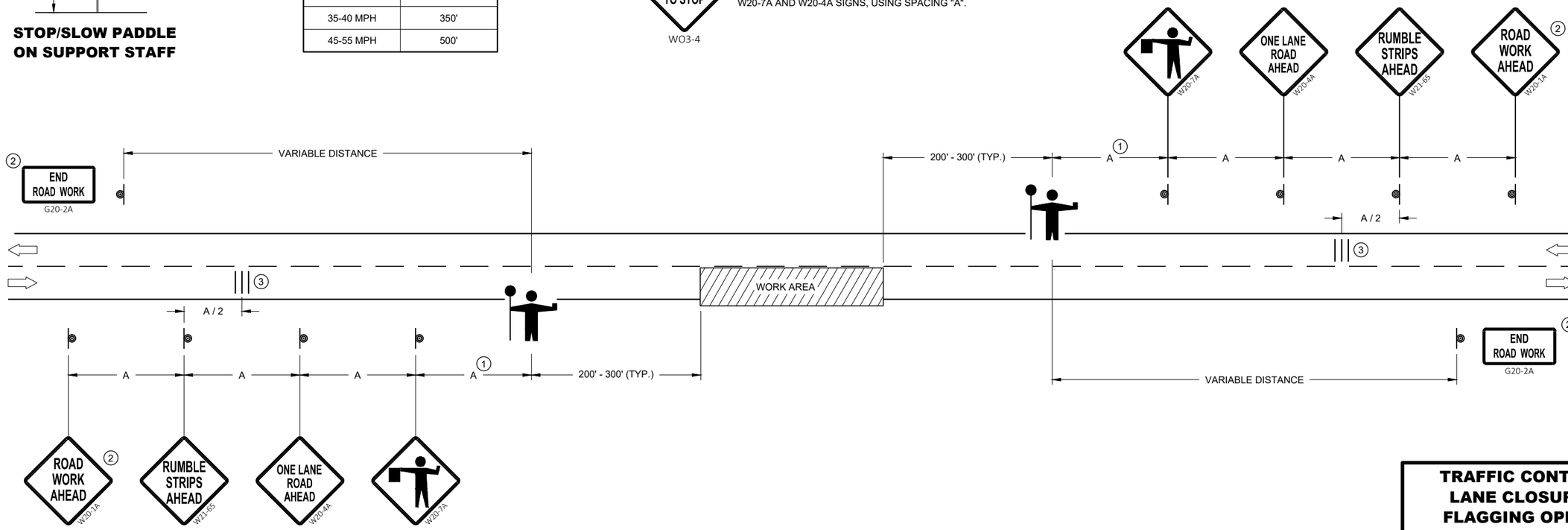
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

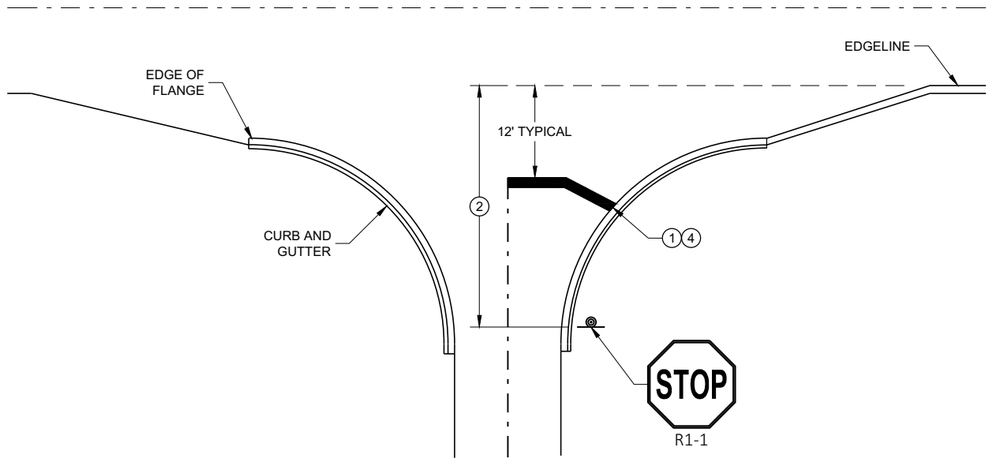
SDD 15C12 - 09a

SDD 15C12 - 09a

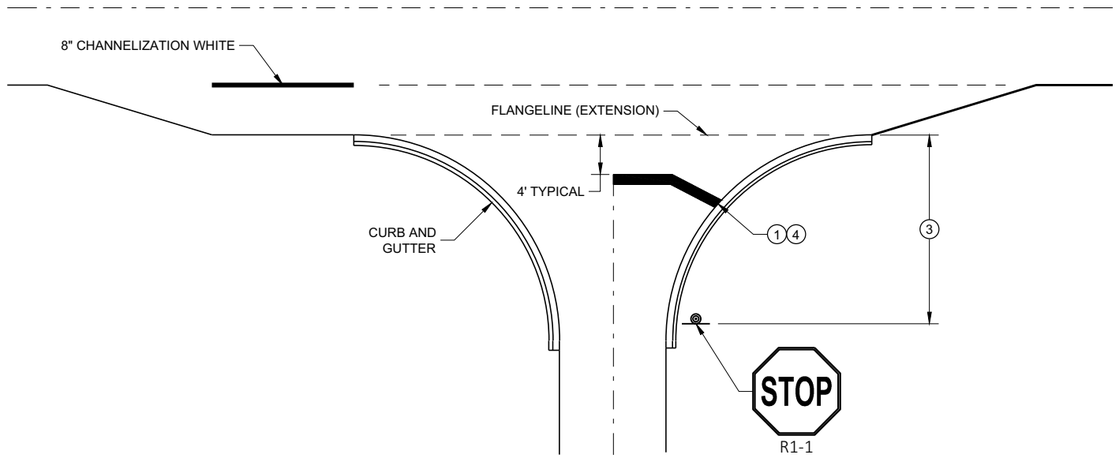
GENERAL NOTES

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

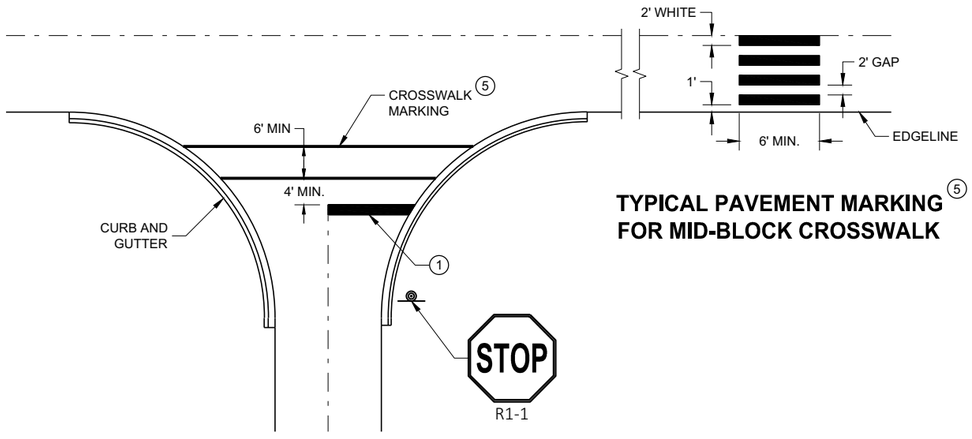
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

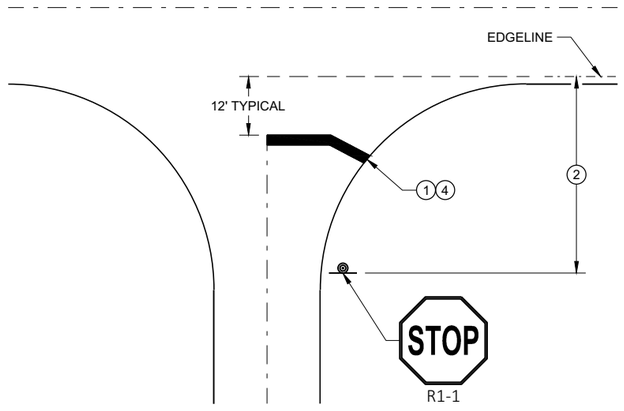


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

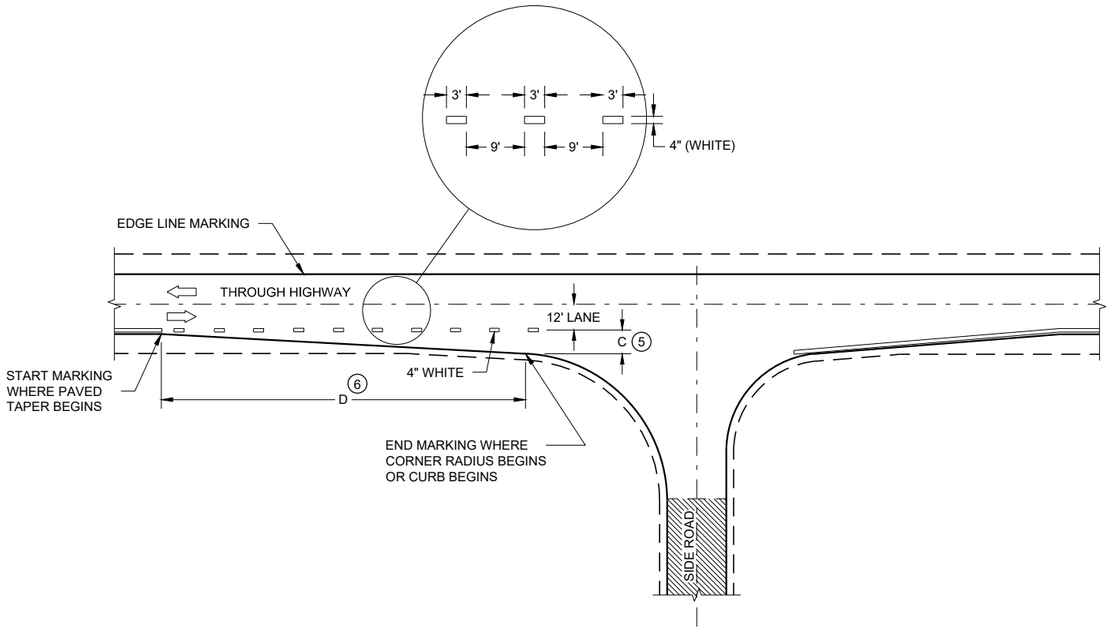
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6
SDD 15C33 - 04



MINOR INTERSECTION

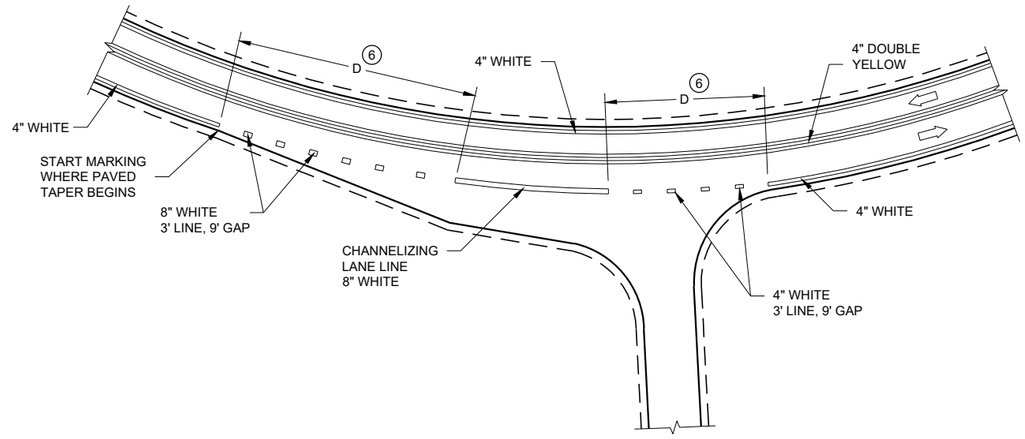
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

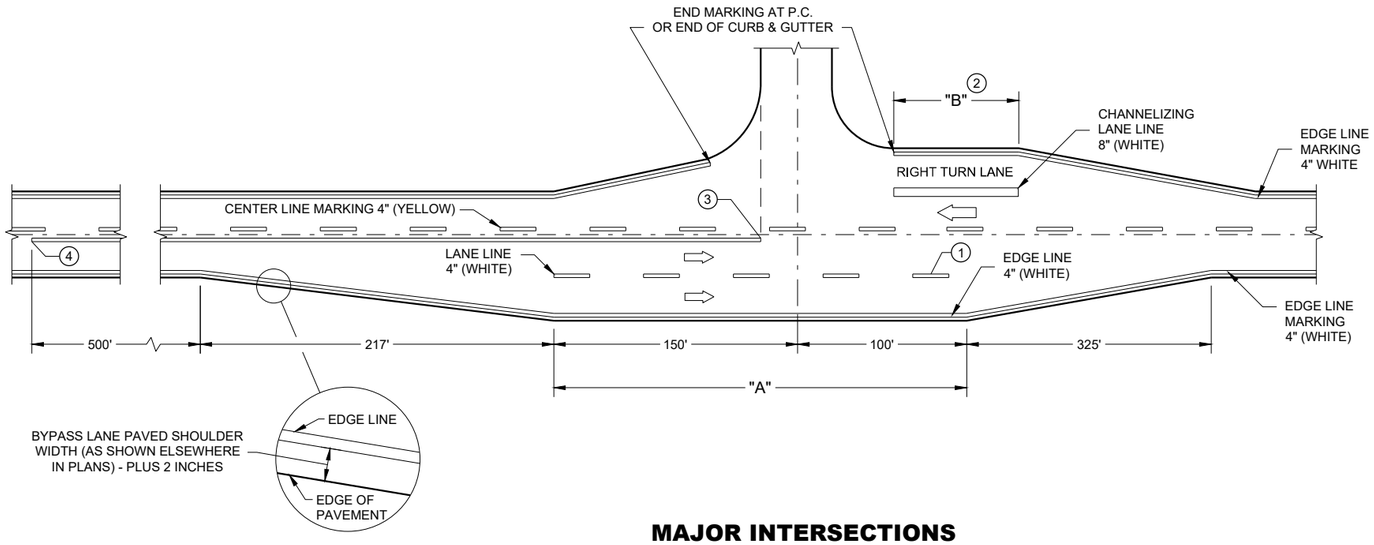
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

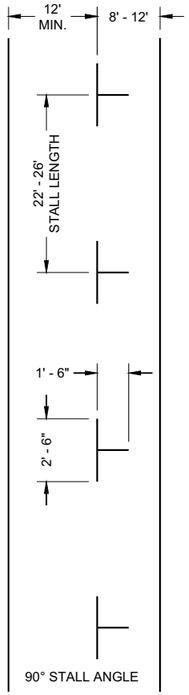
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

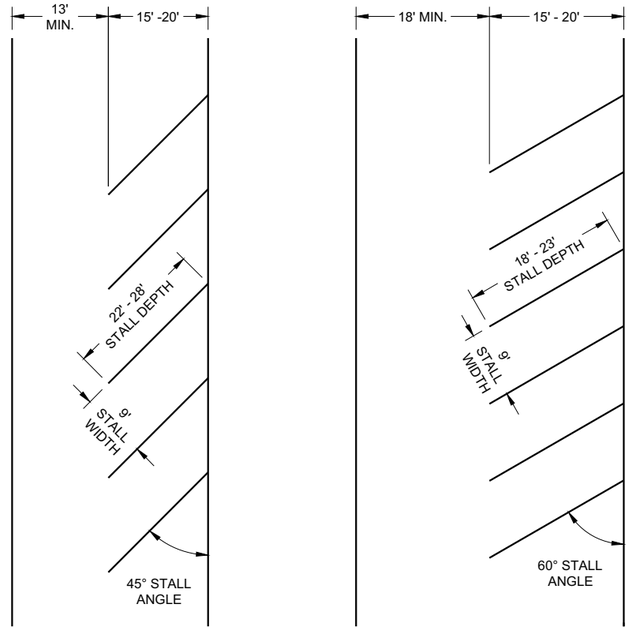
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

6

SDD 15C35 - 05a

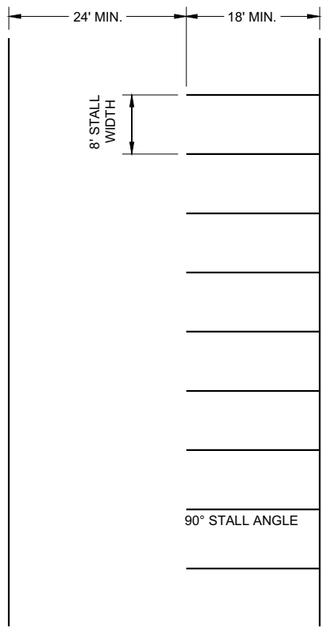


PARALLEL PARKING



ANGLED PARKING

(ANGLED PARKING IS NOT ALLOWED ON STATE HIGHWAYS UNLESS A DESIGN JUSTIFICATION HAS BEEN COMPLETED.)



PARKING LOTS

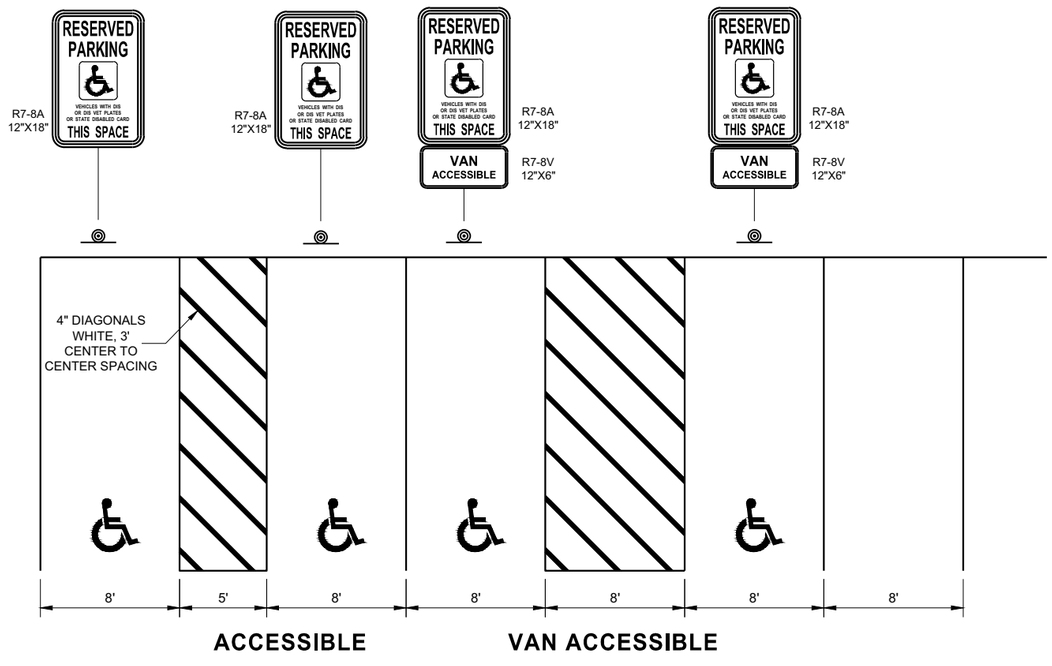
GENERAL NOTES

ALL LINES 4" WHITE (UNLESS OTHERWISE NOTED)

LAST PARKING STALL IS A MINIMUM OF 15' FROM THE CROSSWALK.

LEGEND

SIGN ON PERMANENT SUPPORT



PARKING STALL MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

SDD 15C36 - 01

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LEGEND

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

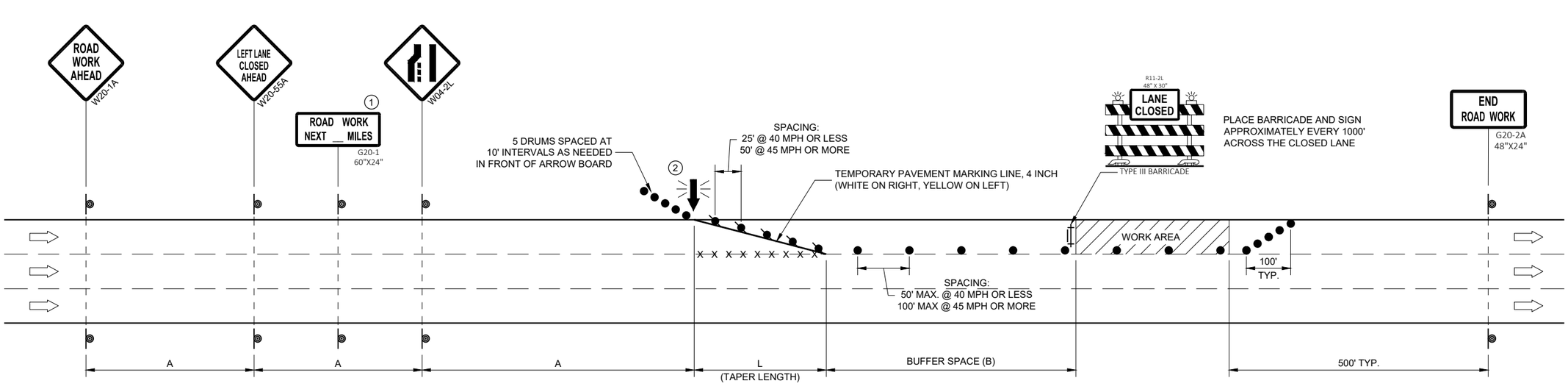
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

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

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



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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD15D20 - 06a

GENERAL NOTES

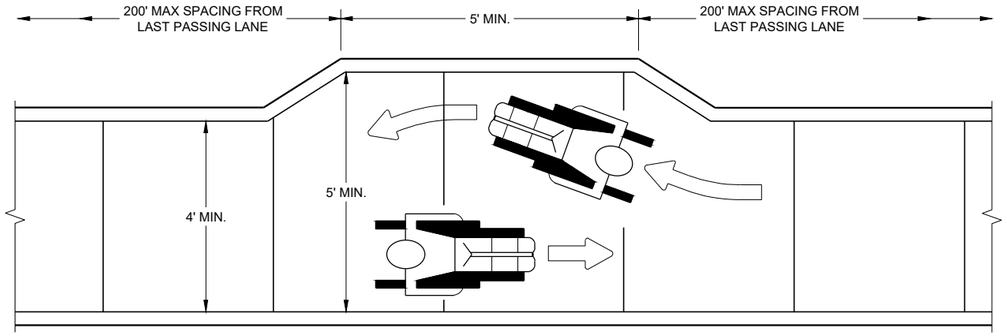
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

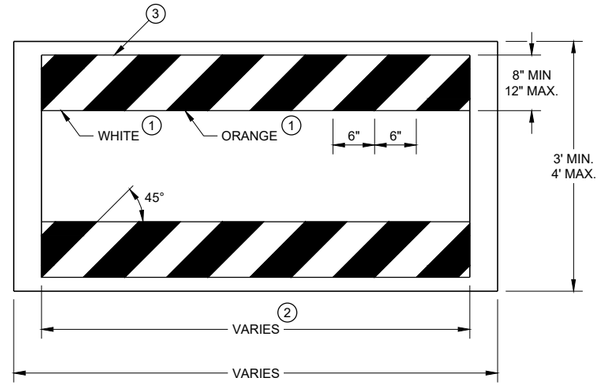
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

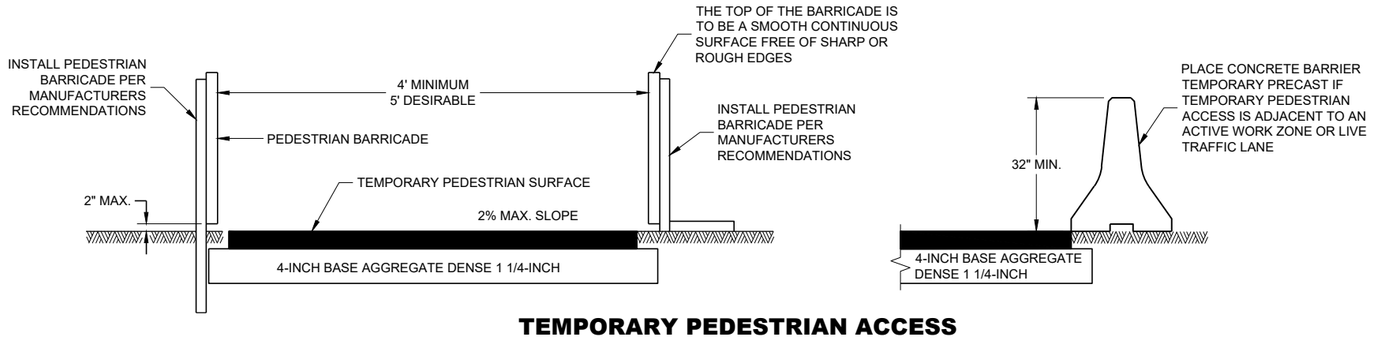
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*

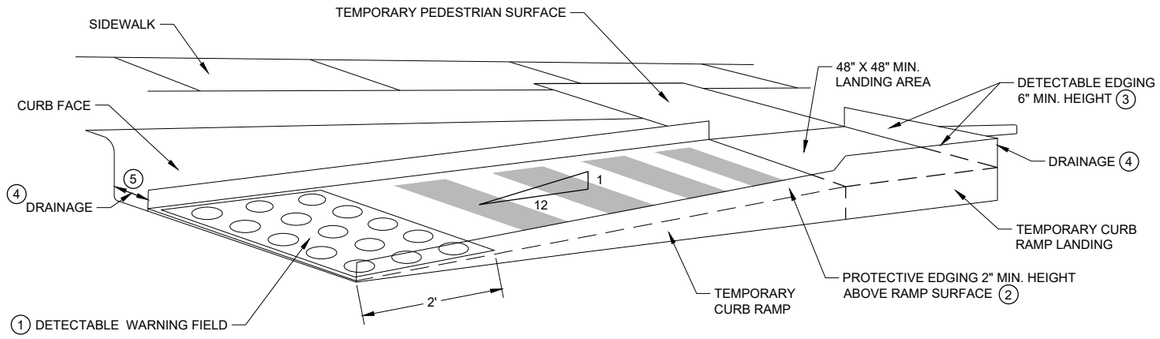


TEMPORARY PEDESTRIAN ACCESS

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 07a



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.

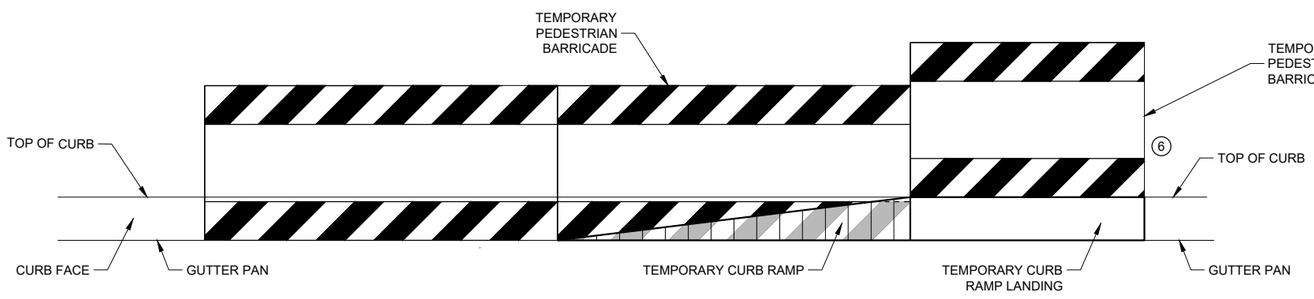
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

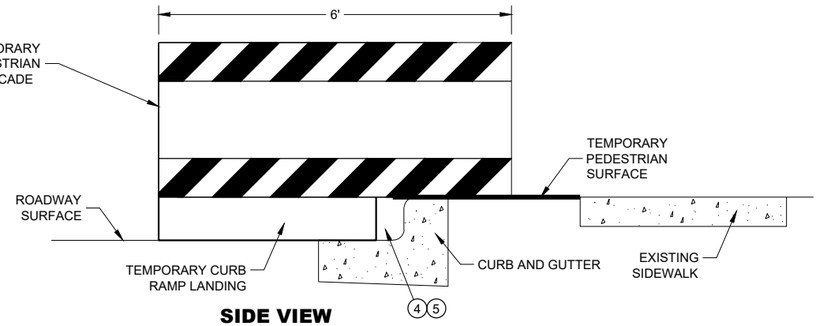
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) 6" MINIMUM BETWEEN CURB FACE AND EDGE OF RAMP

(6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

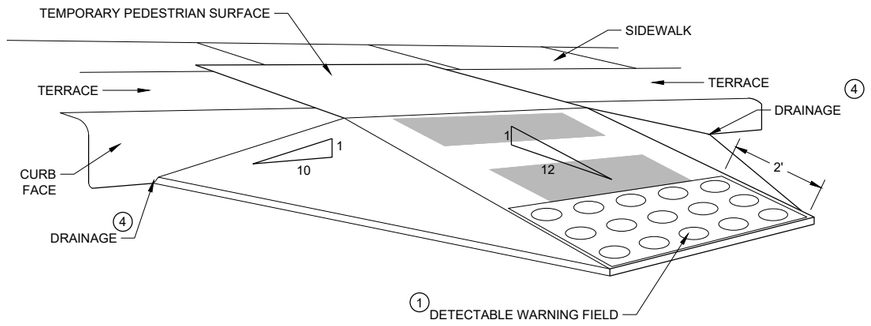
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

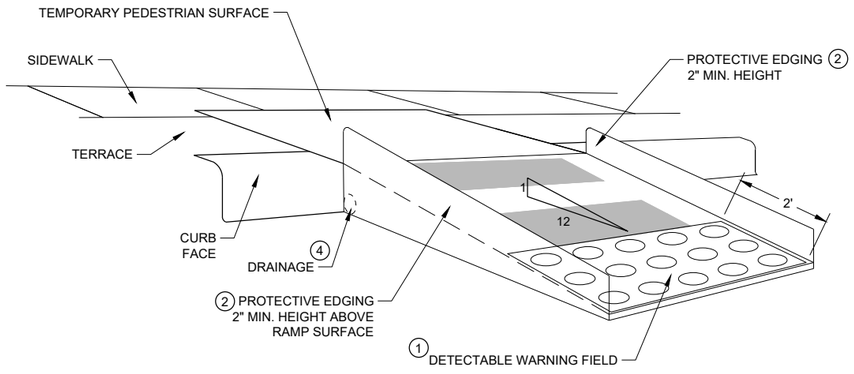
SDD 15D30 - 07b

6

SDD 15D30 - 07b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

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

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

6

SDD 15D30 - 07c

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

GENERAL NOTES

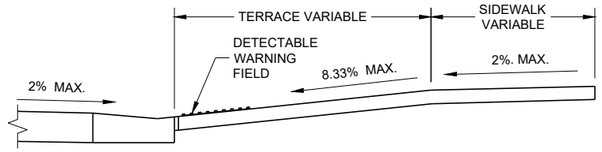
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

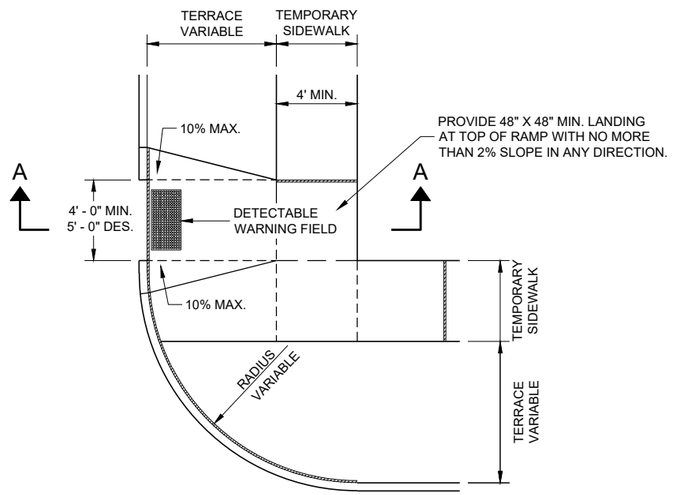
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



SECTION A - A



PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

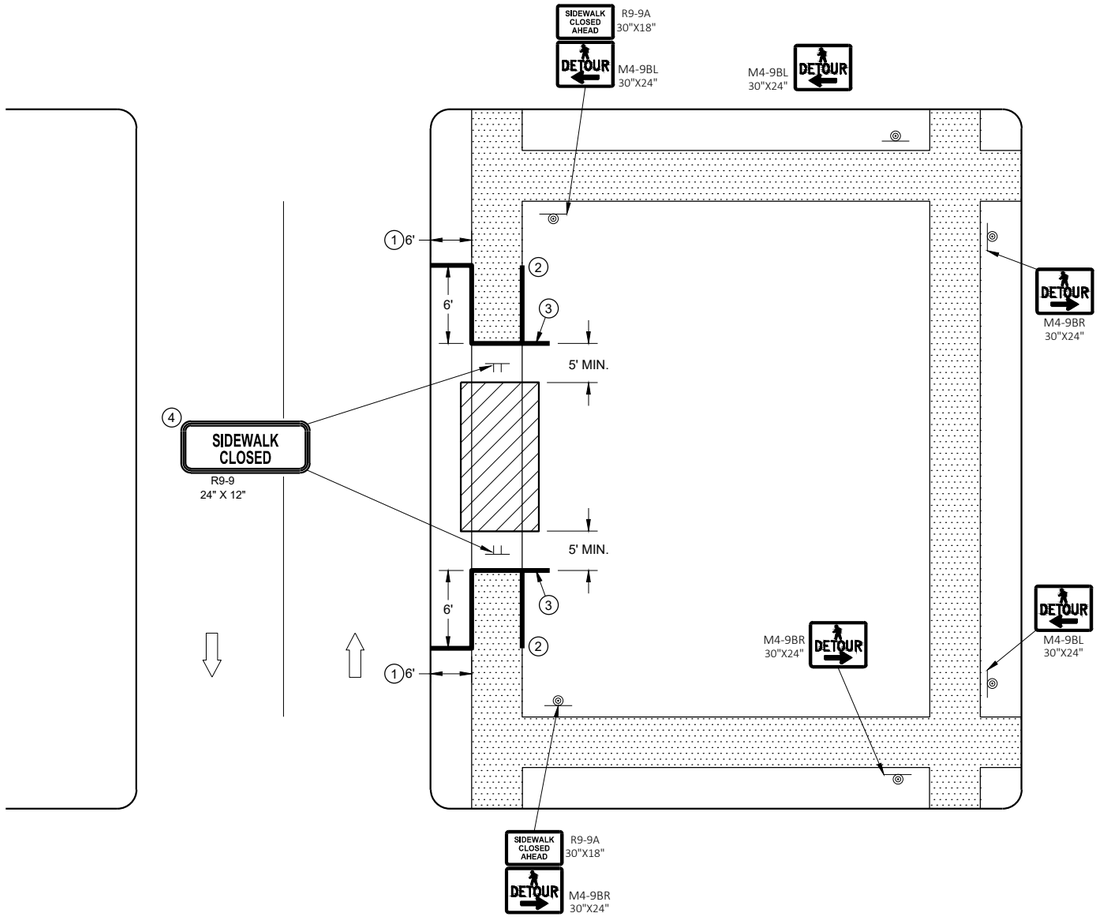
SDD 15D30 - 07d

6

SDD 15D30 - 07d

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

GENERAL NOTES

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

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

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

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

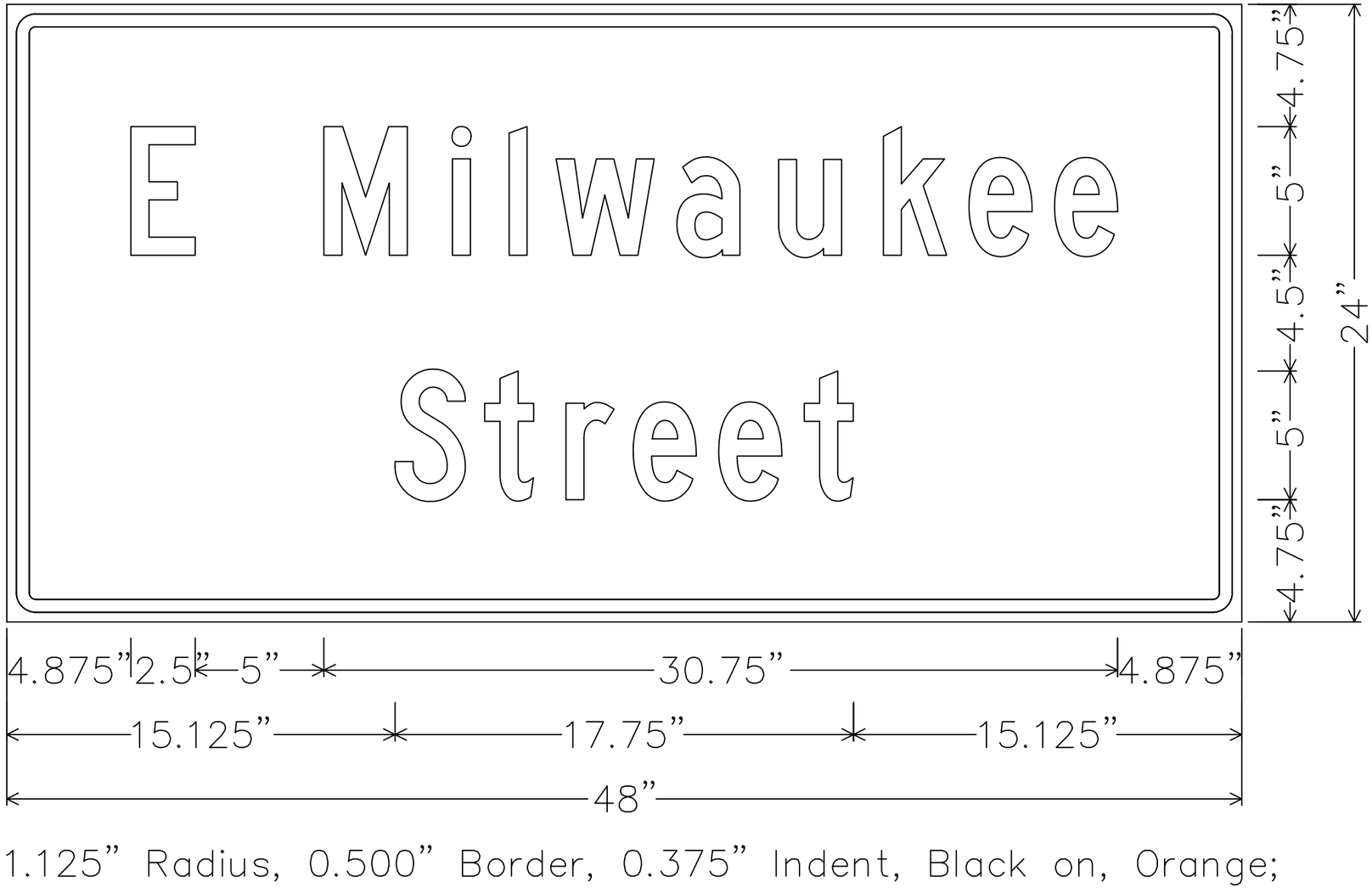
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 07f

NOTES:

1. SIGN IS TYPE II - TYPE F REFLECTIVE - REFERENCE "WISDOT STANDARD SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION" LATEST EDITION.
2. COLOR
   BACKGROUND - ORANGE
   MESSAGE - BLACK
3. MESSAGE SERIES - C
4. CORNERS MAY BE SQUARE OR ROUNDED WHEN BASE MATERIAL IS PLYWOOD BUT BORDERS SHALL BE ROUNDED AS SHOWN. WHEN BASE MATERIAL IS METAL, THE CORNERS SHALL BE ROUNDED.



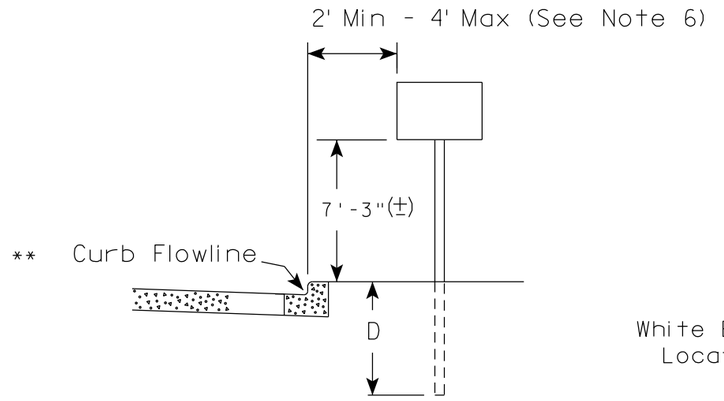
1.125” Radius, 0.500” Border, 0.375” Indent, Black on, Orange;
”E” C; ”Milwaukee” C; ”Street” C;

7

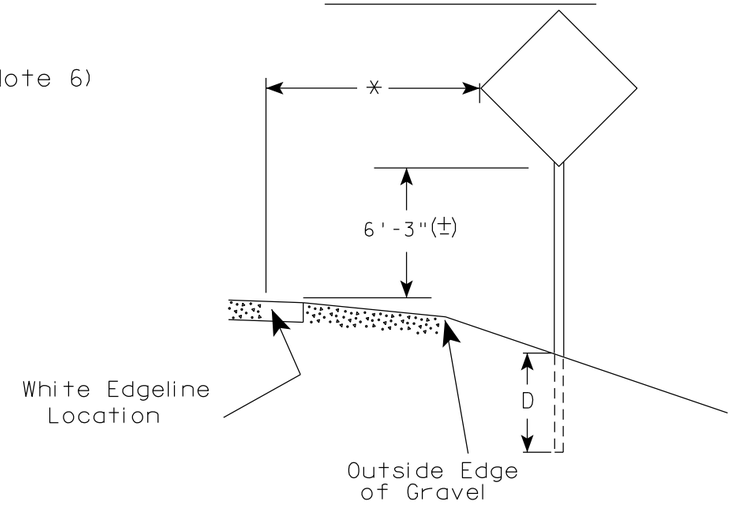
7

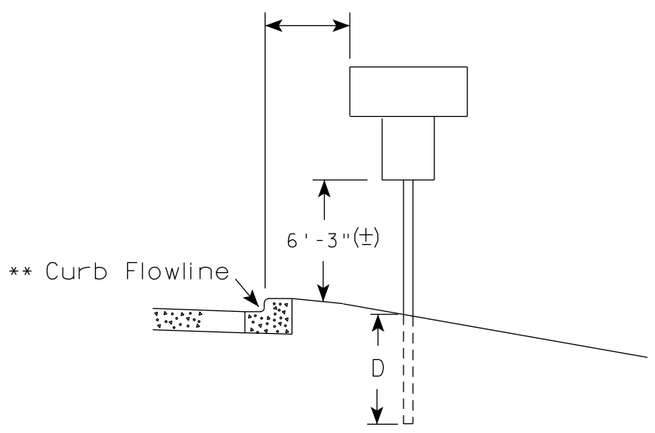
PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	SPECIAL SIGN PLATES	SHEET 217	E

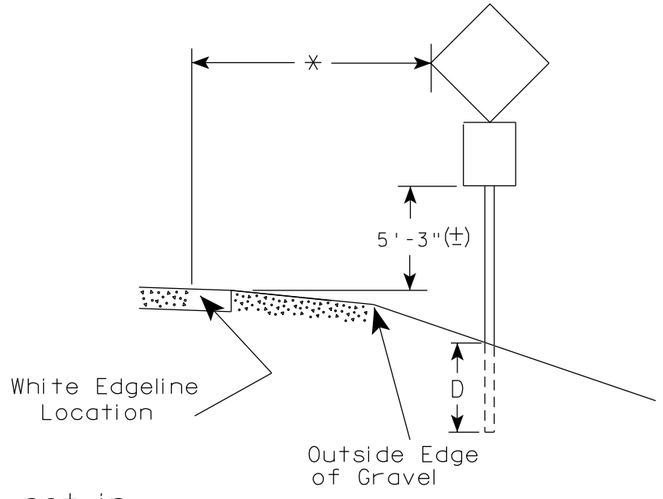
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

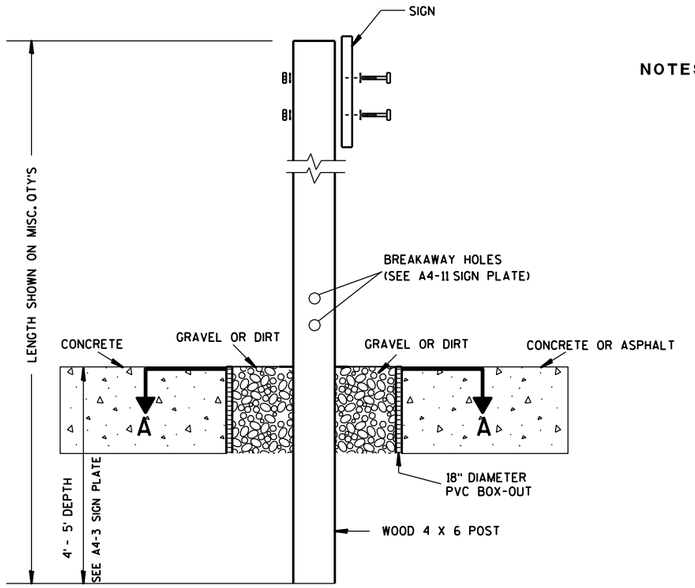
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

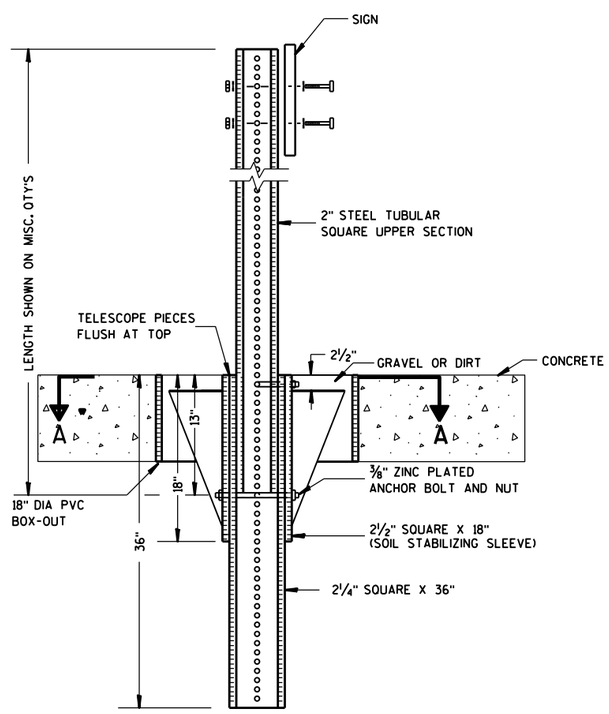
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 218	E



ELEVATION VIEW

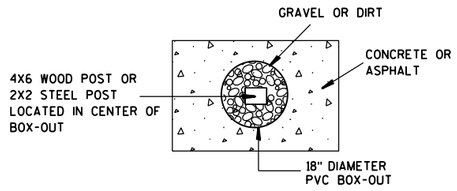
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

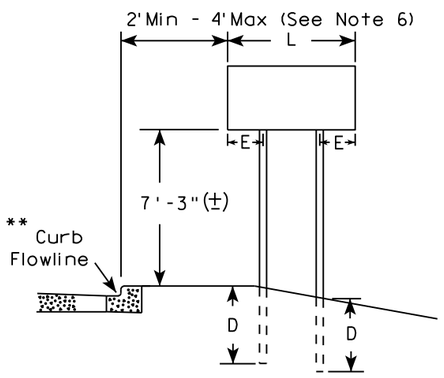
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

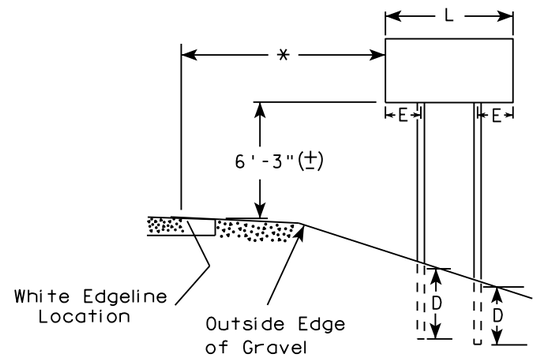
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

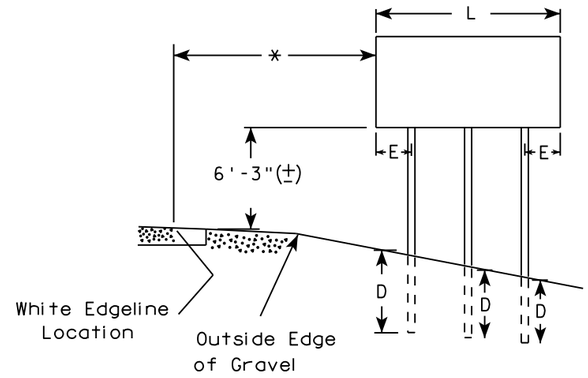
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

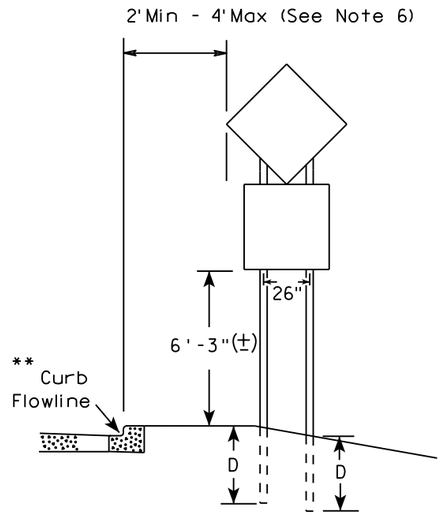
URBAN AREA



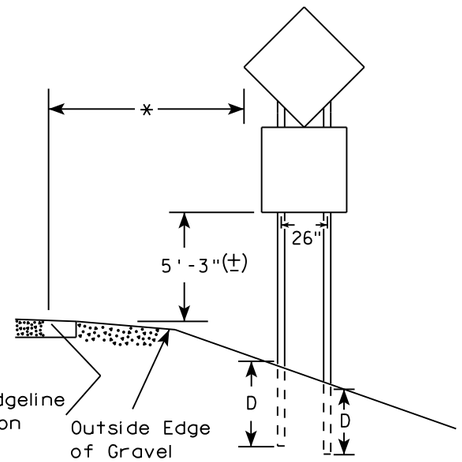
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

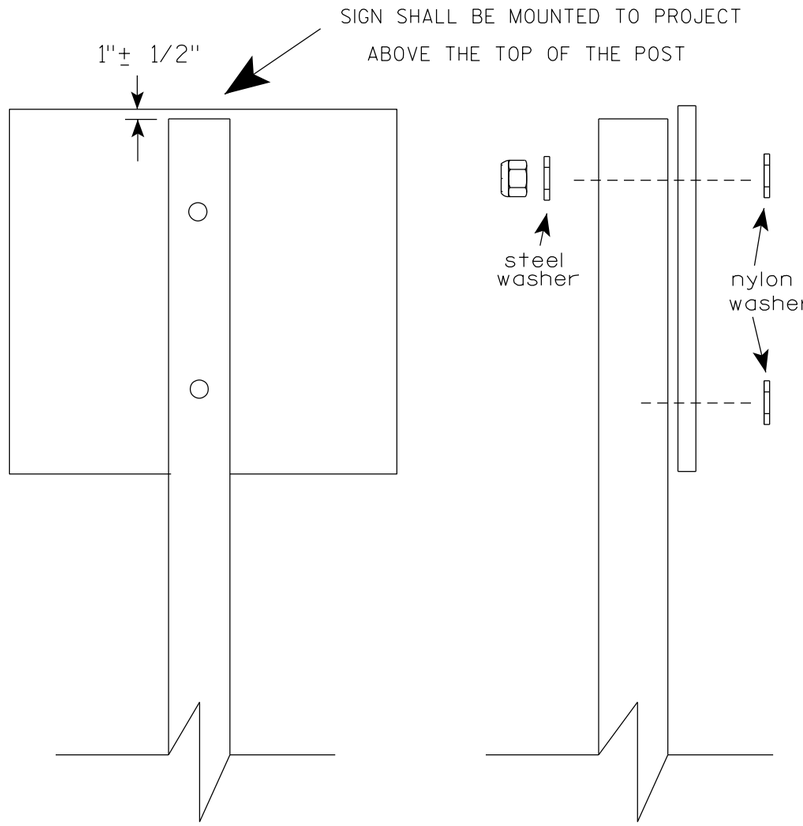
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

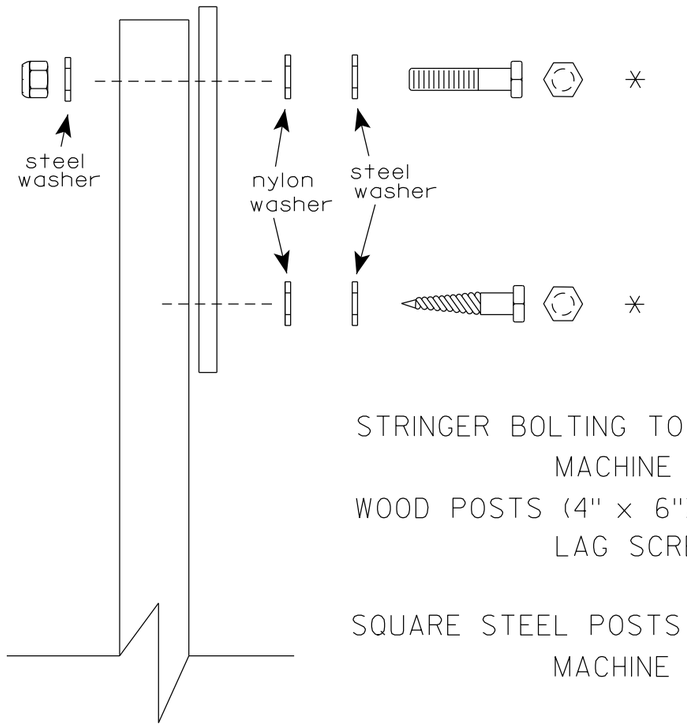
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 220	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

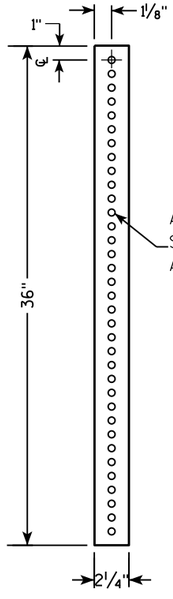
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

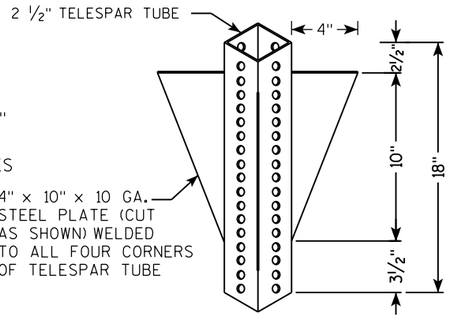
SHEET NO: 221 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

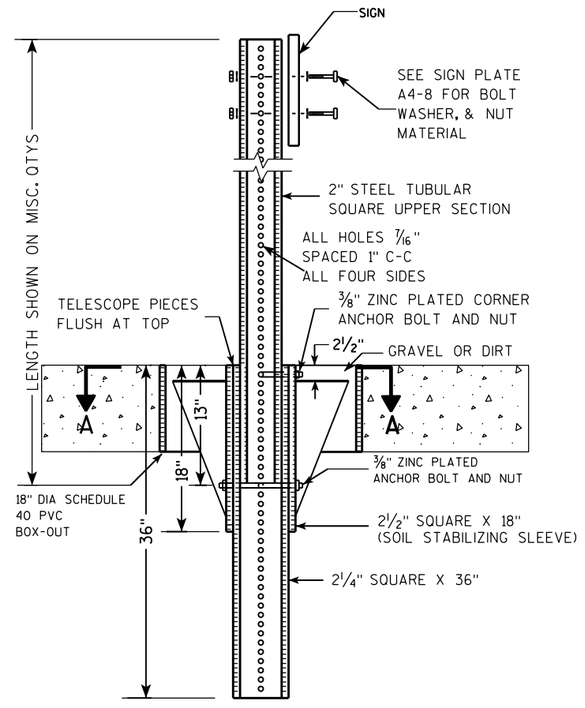
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



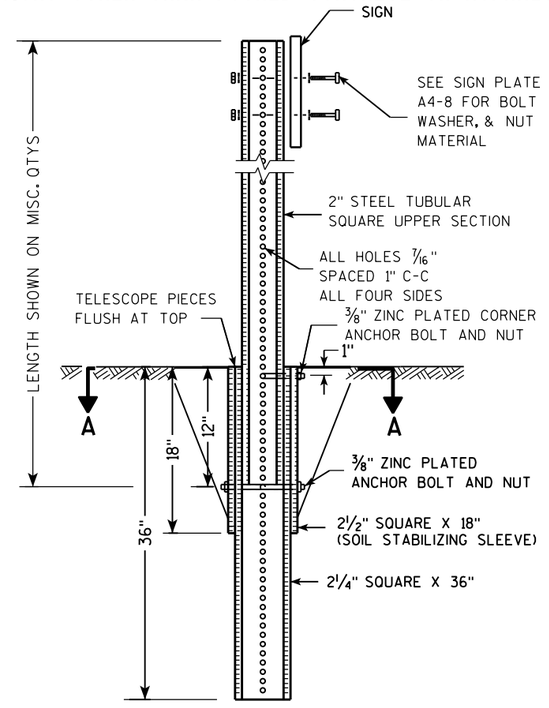
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

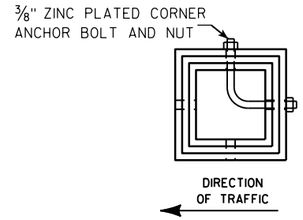


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

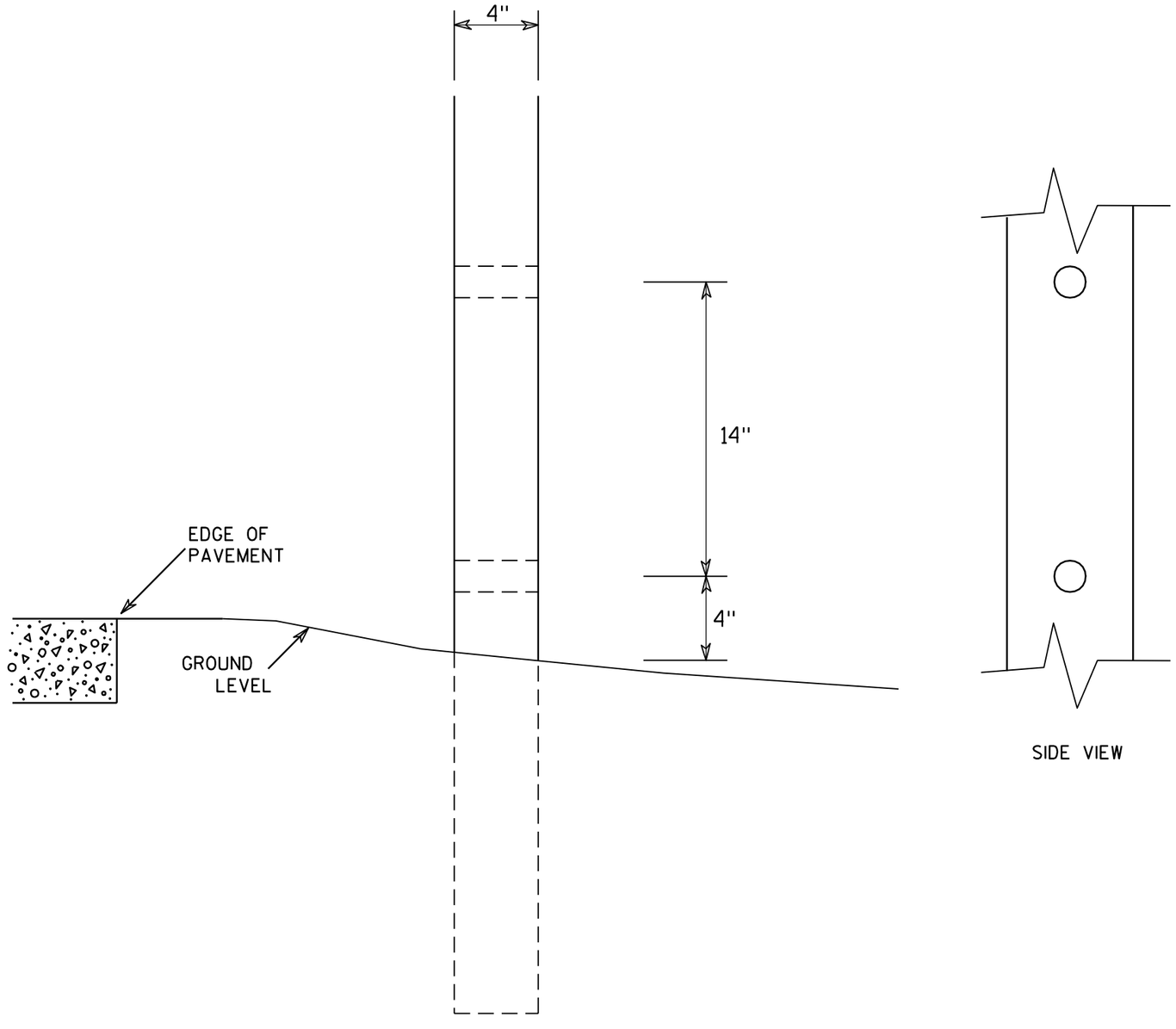
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 222 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

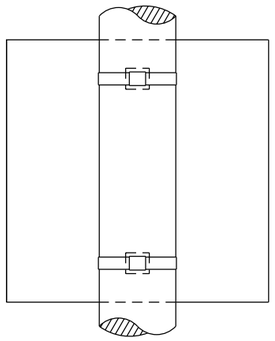
APPROVED Chester J Spang
for State Traffic Engineer

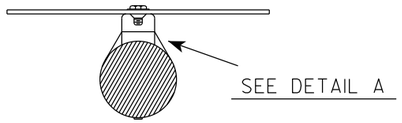
DATE 3/27/97 PLATE NO. A4-11.2

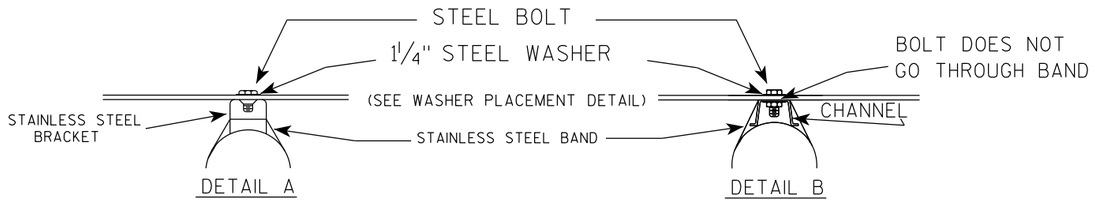
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 223	E

BANDING

SINGLE SIGN



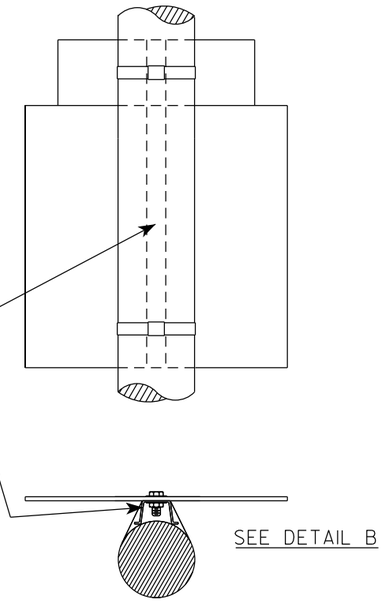




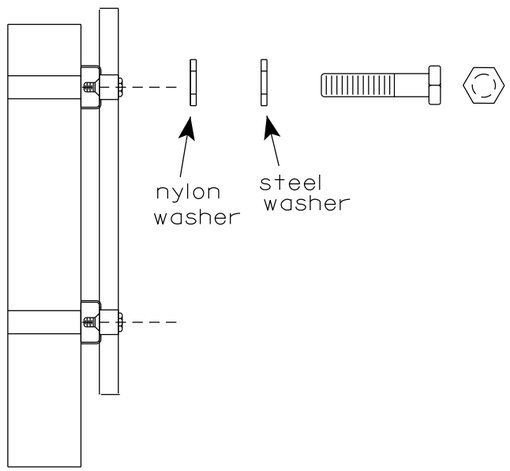
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

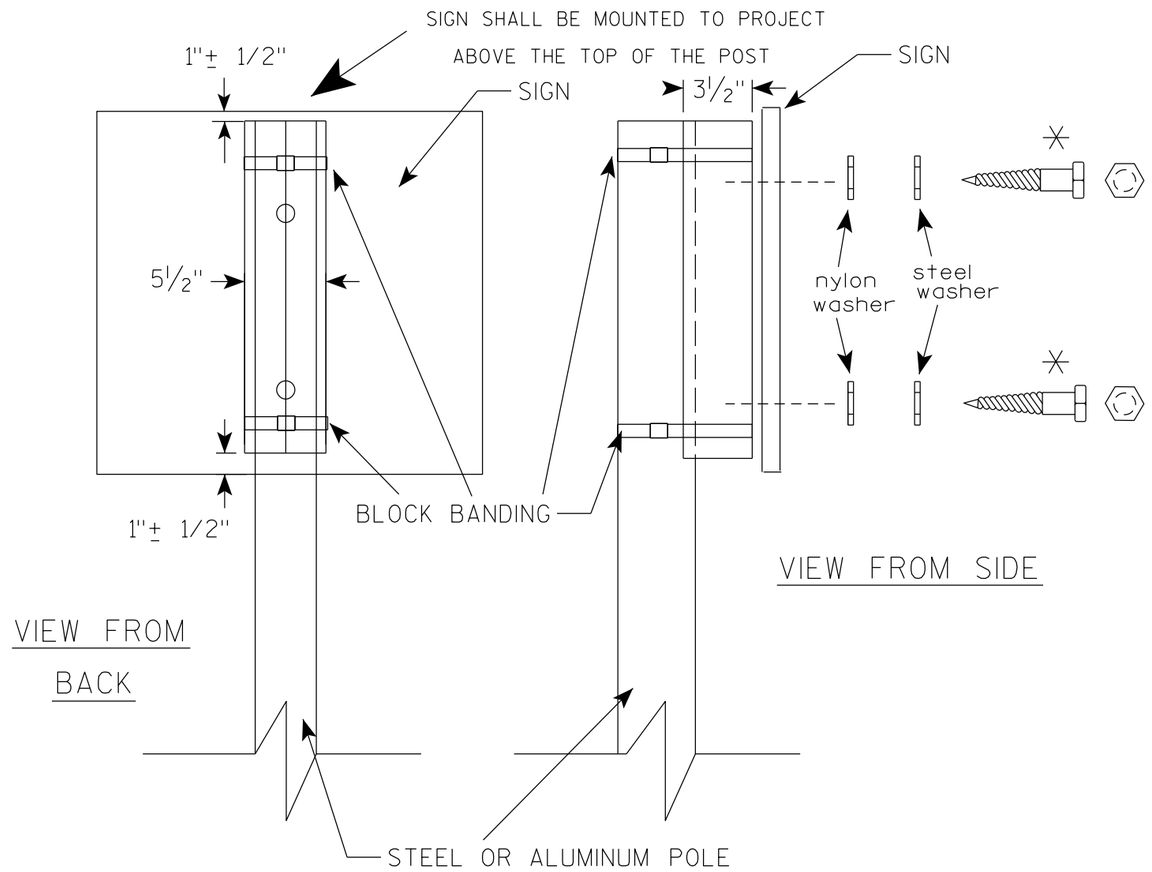
DATE 6/10/19 PLATE NO. A5-9.4

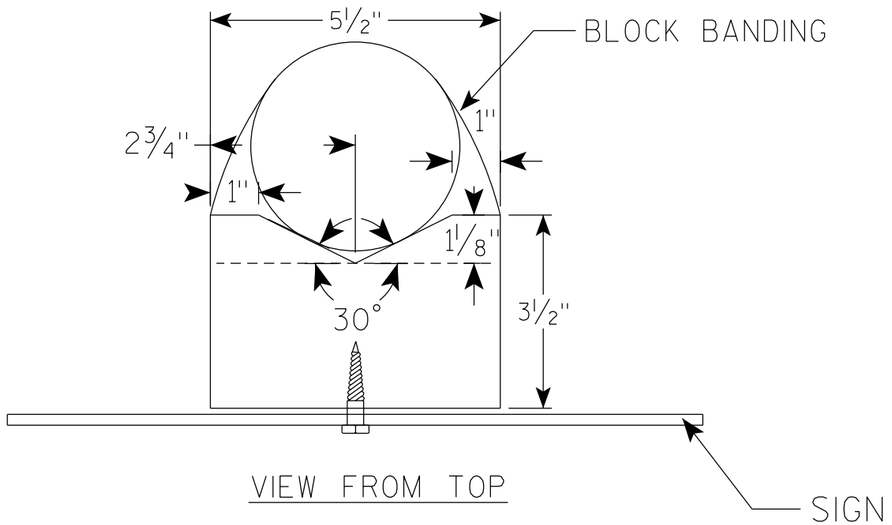
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 224	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

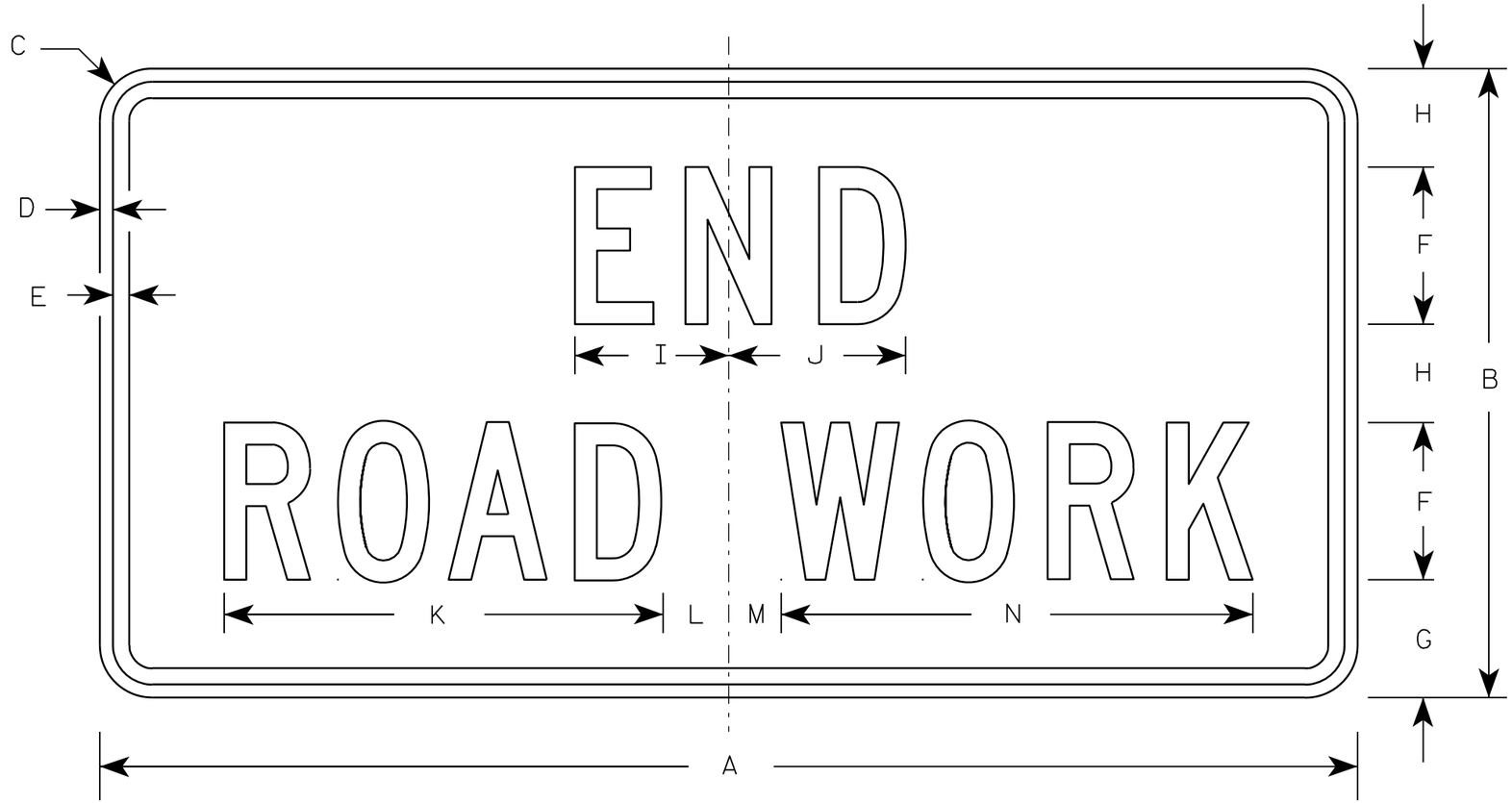
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 225 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

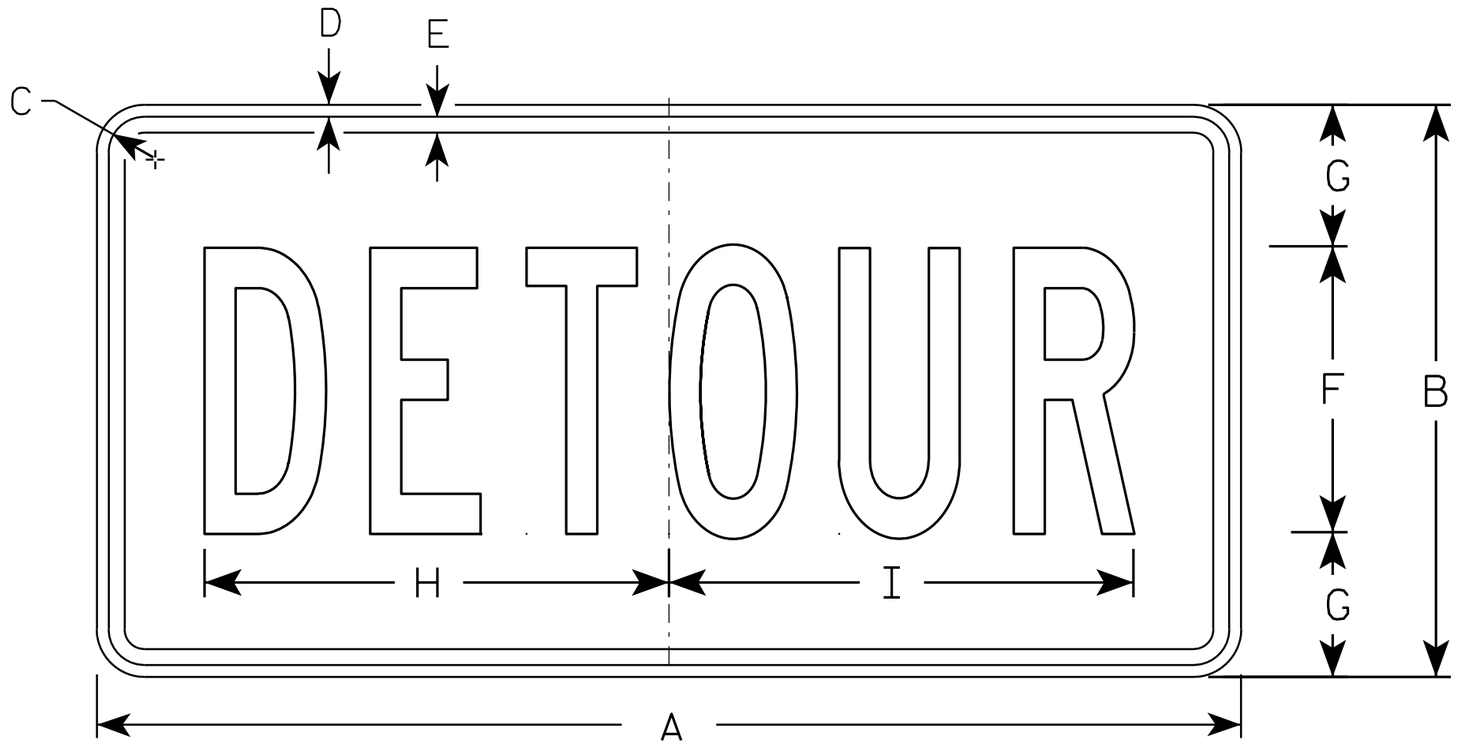
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 226	E



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

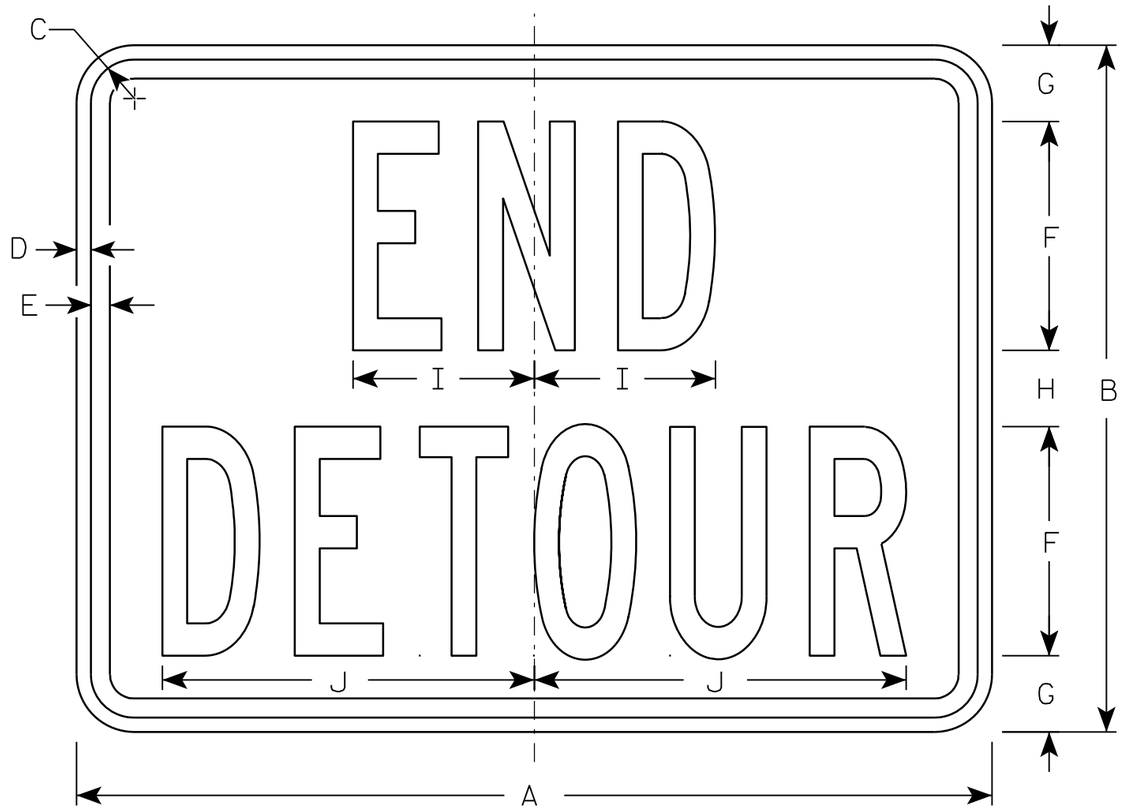
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 227	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

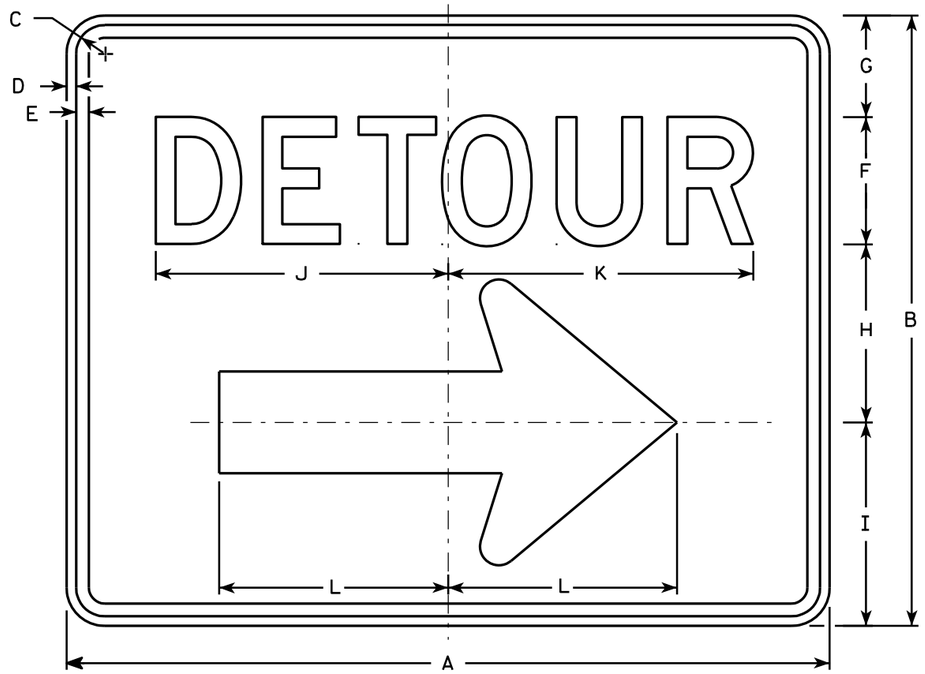
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

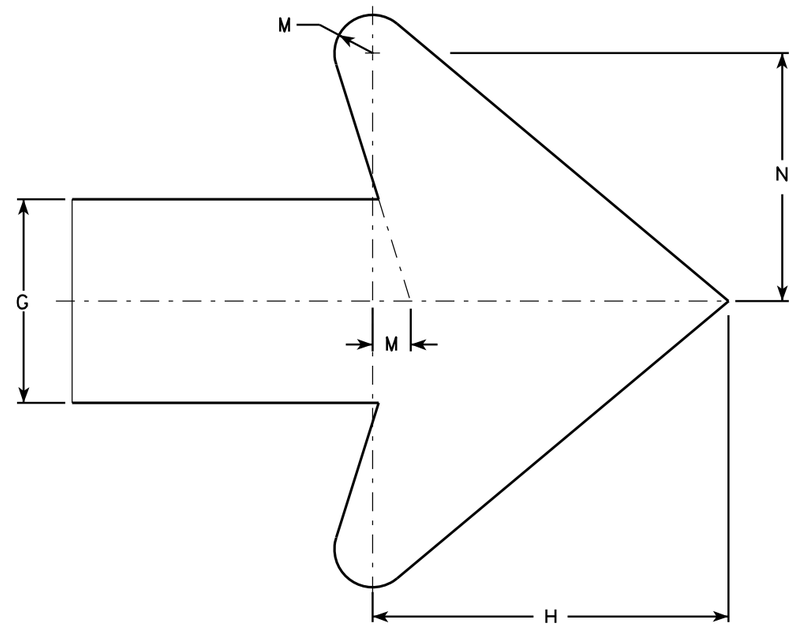
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 228	E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

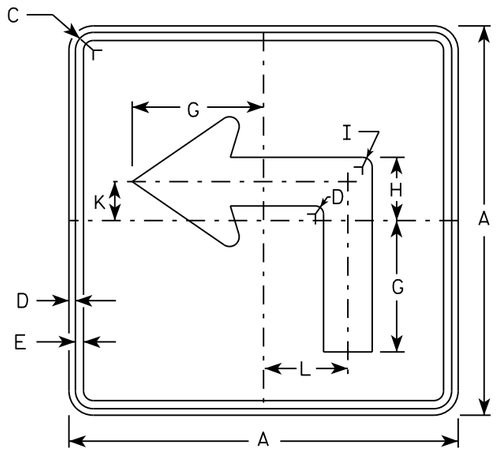
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

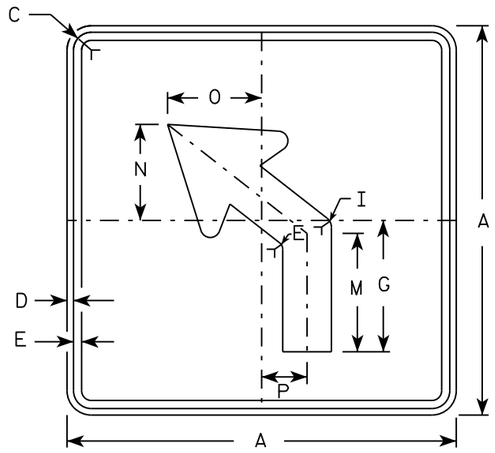
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

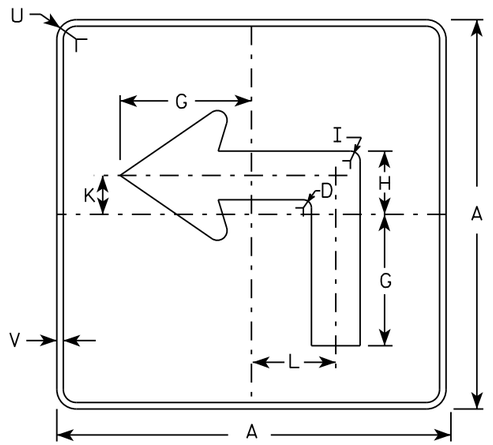
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 229 | E



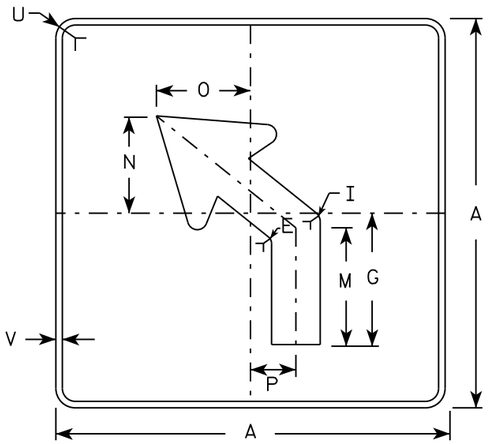
M5-1L
MM5-1L
MO5-1L
MP5-1L



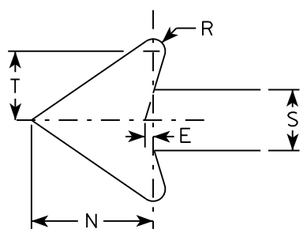
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

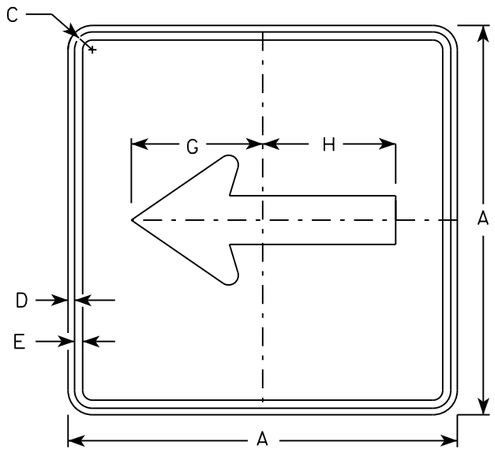
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

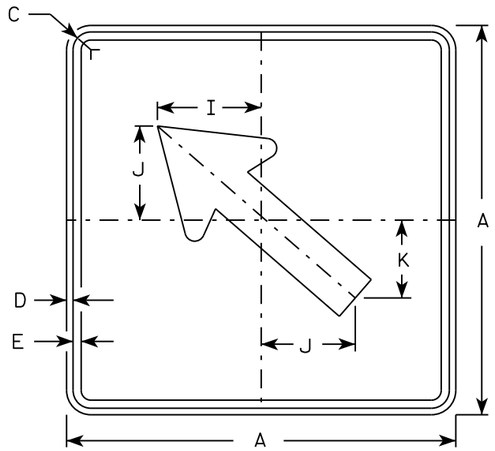
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



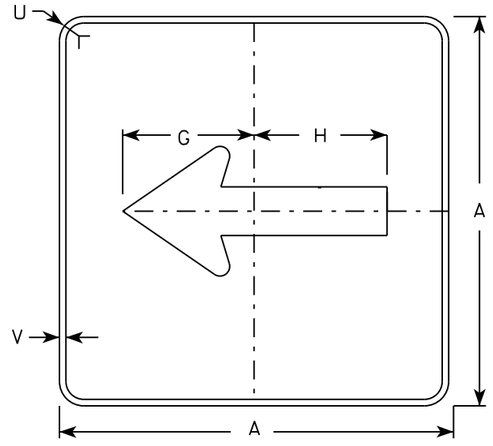
M6-1
MM6-1
MO6-1
MP6-1



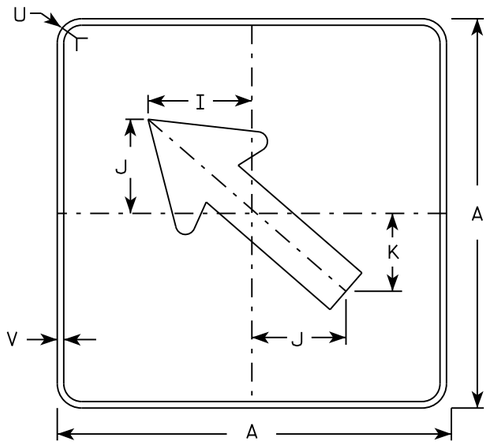
M6-2
MM6-2
MO6-2
MP6-2

NOTES

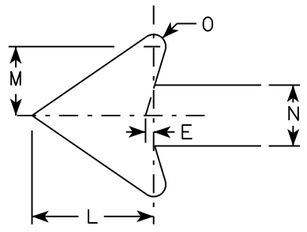
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

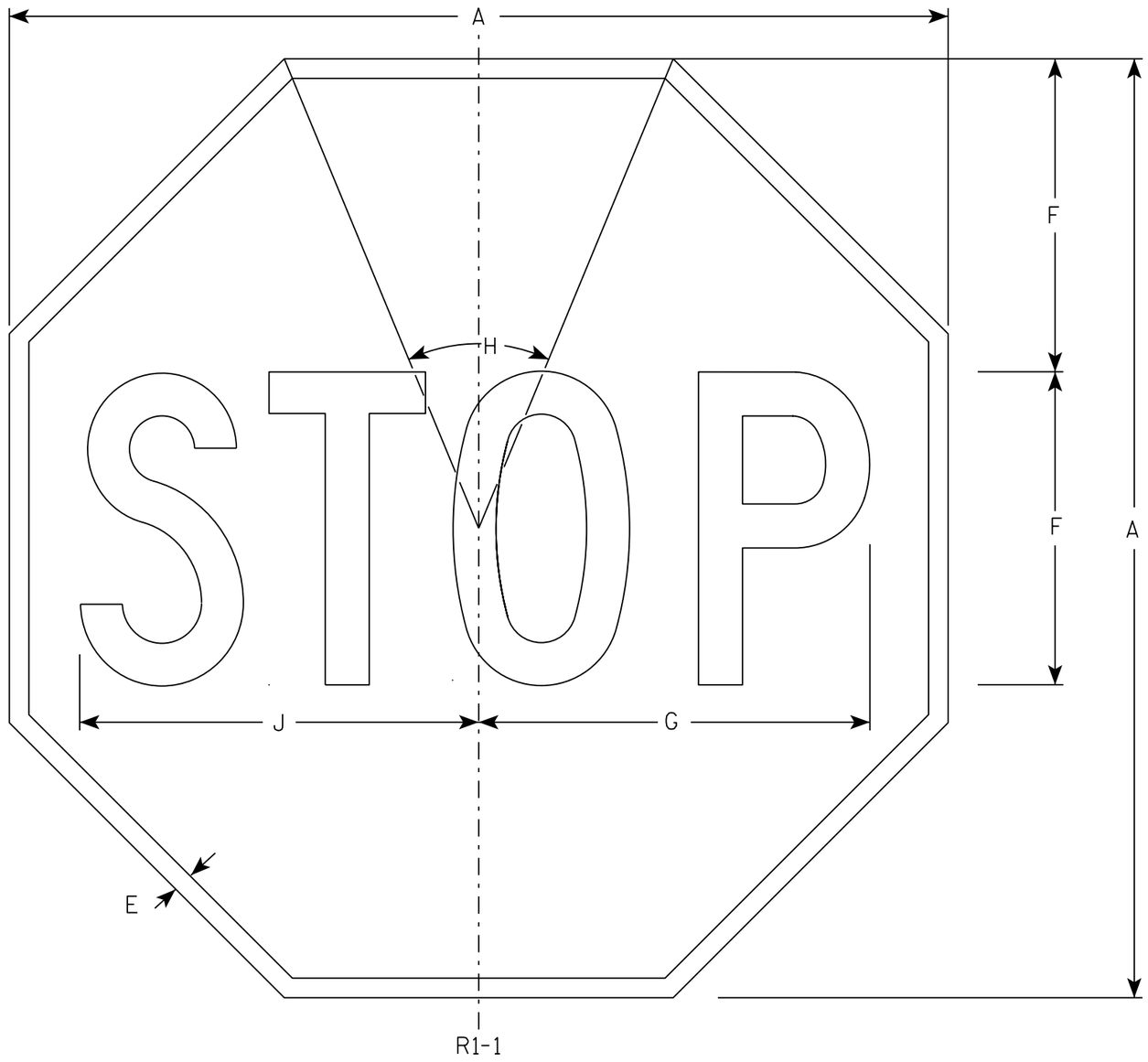
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLAT 231 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

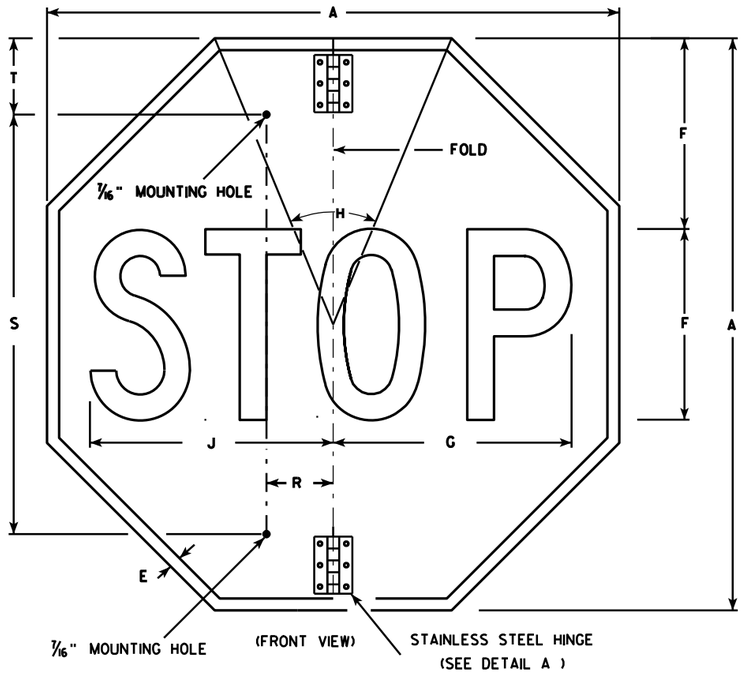
R1-1

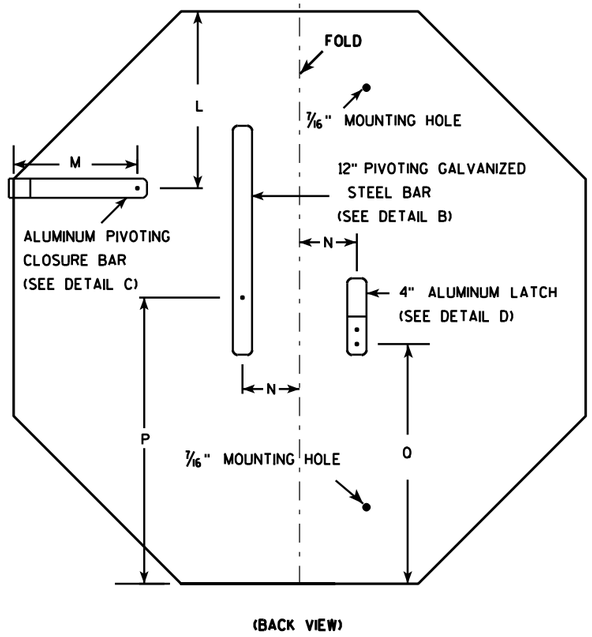
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

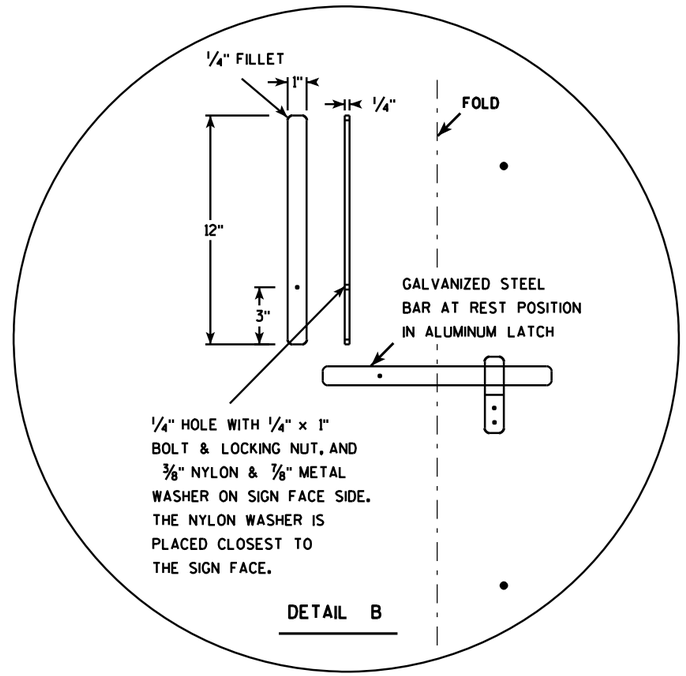
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 232	E



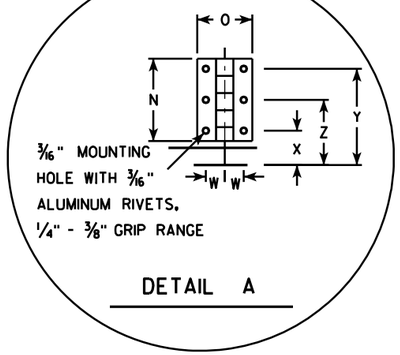


NOTES

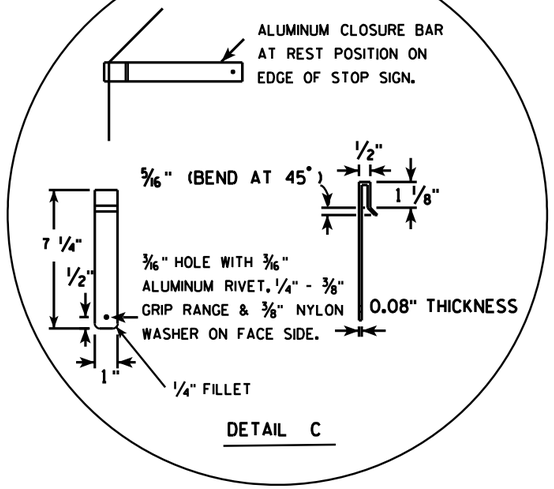
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



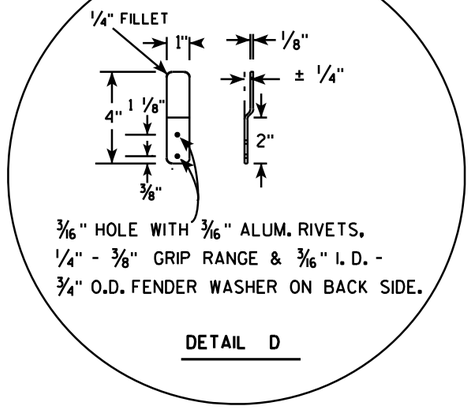
DETAIL B



DETAIL A



DETAIL C



DETAIL D

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																											

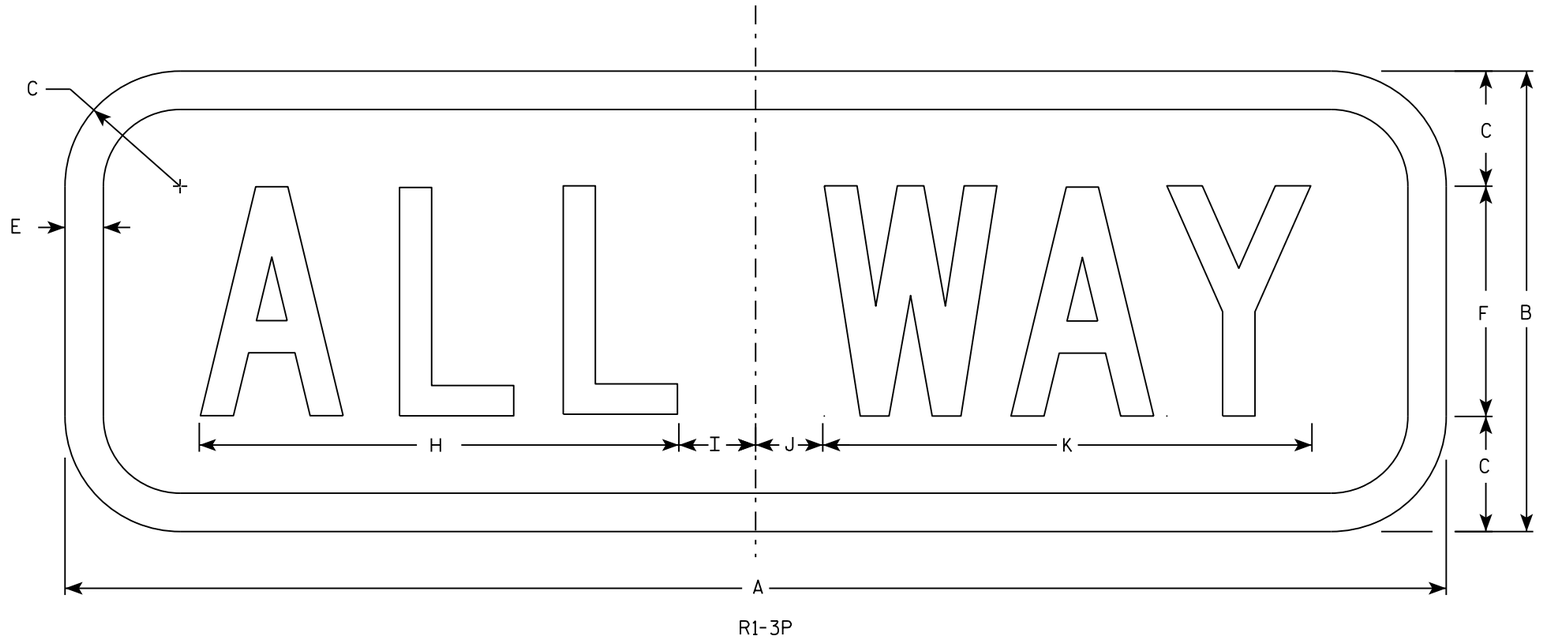
STANDARD SIGN
R1-1F

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: 233 | E



R1-3P

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. For 30"x30" R1-1 use 18"x6" R1-3P sign
   For 36"x36" R1-1 use 24"x9" R1-3P sign
   For 48"x48" R1-1 use 30"x12" R1-3P sign

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	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																0.75
2S	18	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																1.5
2M	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
3	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
4	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5
5	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5

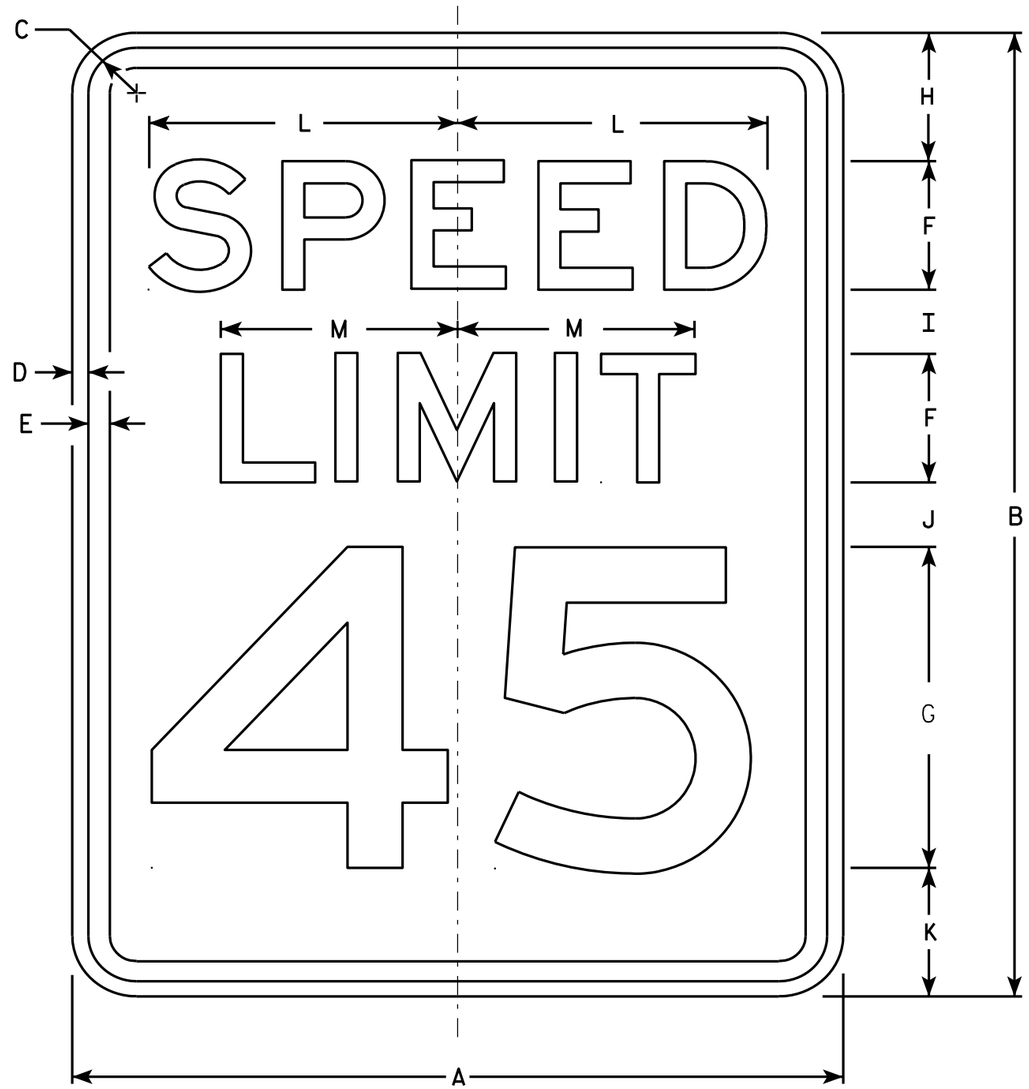
STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R1-3P.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 234 | E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

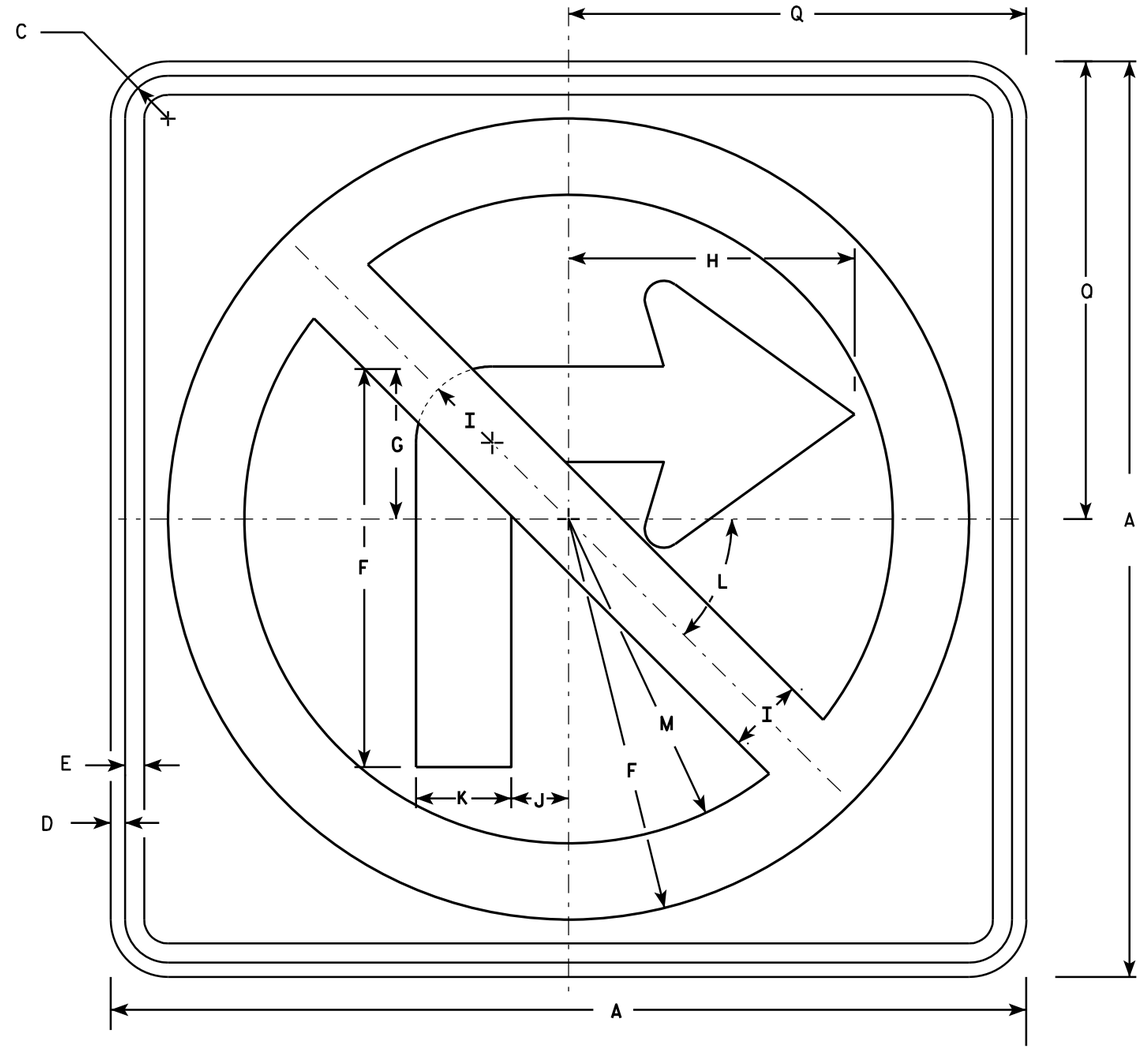
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

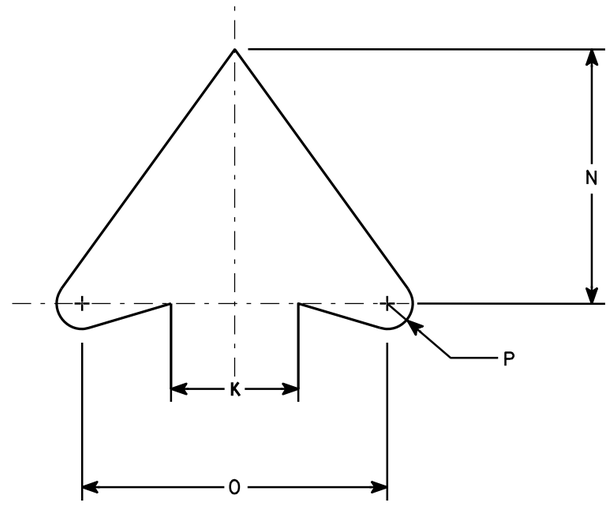
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 235	E



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

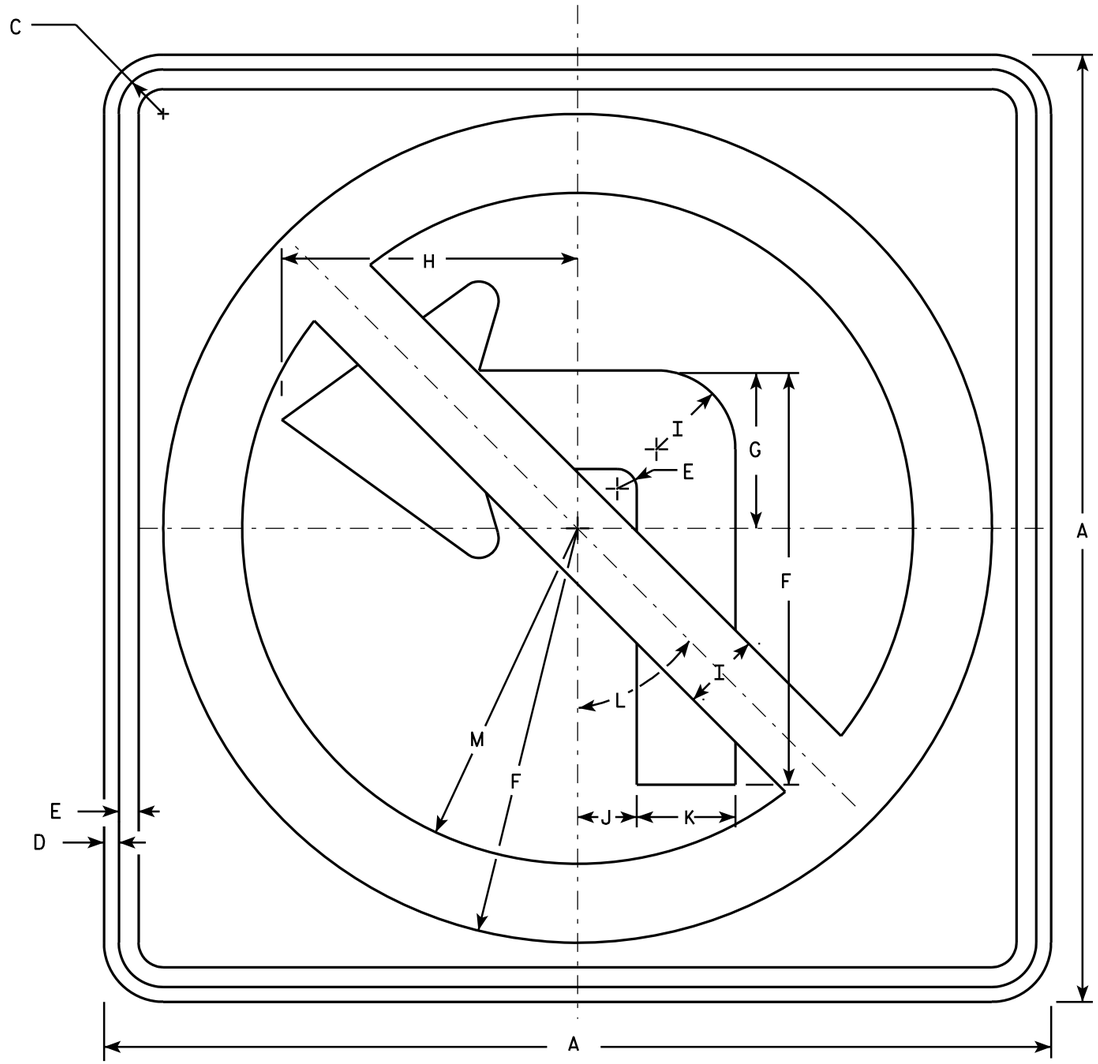
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

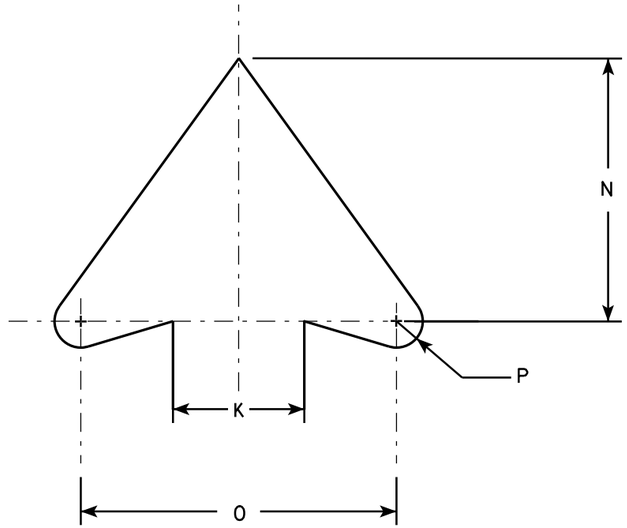
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 236	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

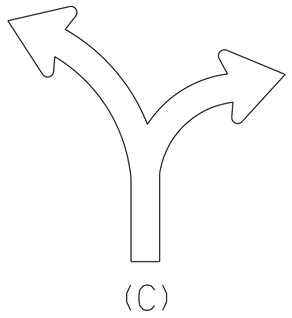
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 237	E

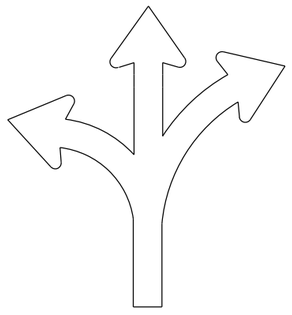


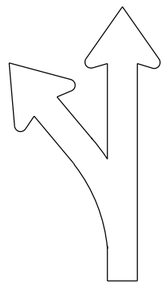
(A)

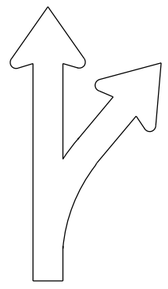


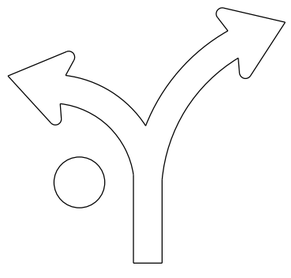
(B)

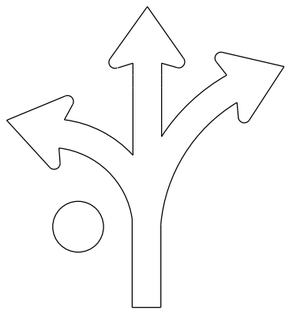

(C)

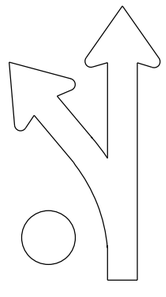

(D)


(E)


(F)

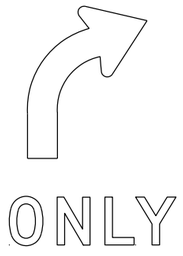

(G)


(H)

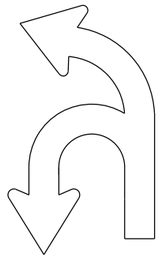

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

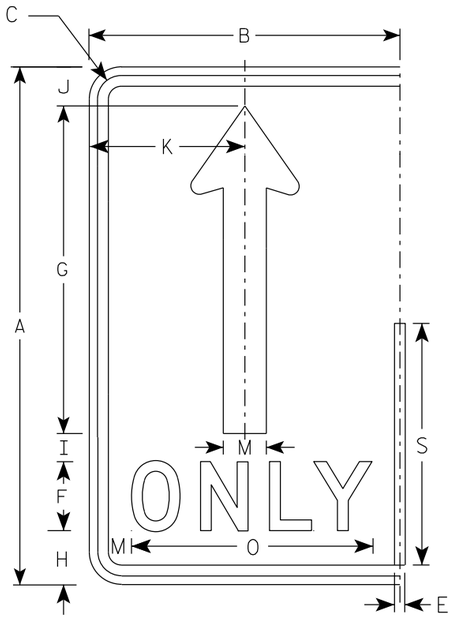
PROJECT NO:

SHEET NO: 238 E

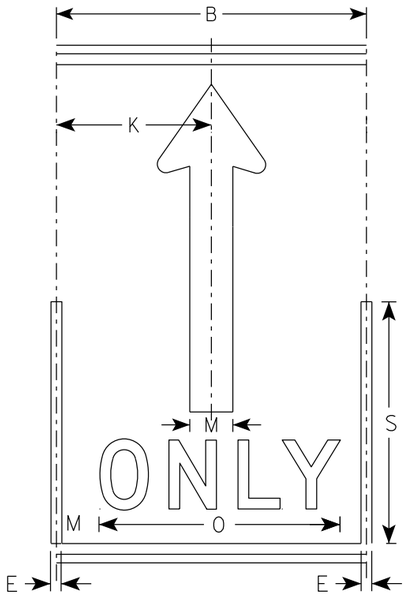
7

NOTES

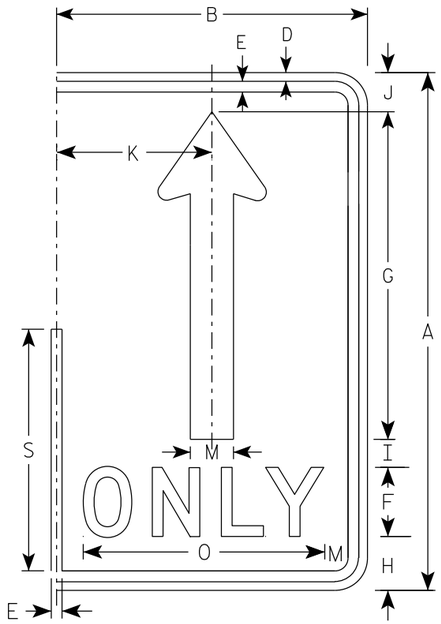
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



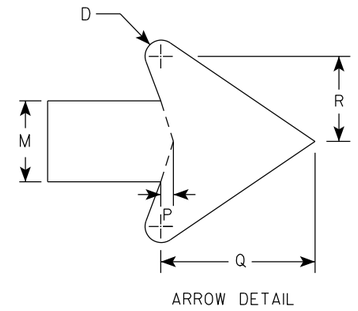
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

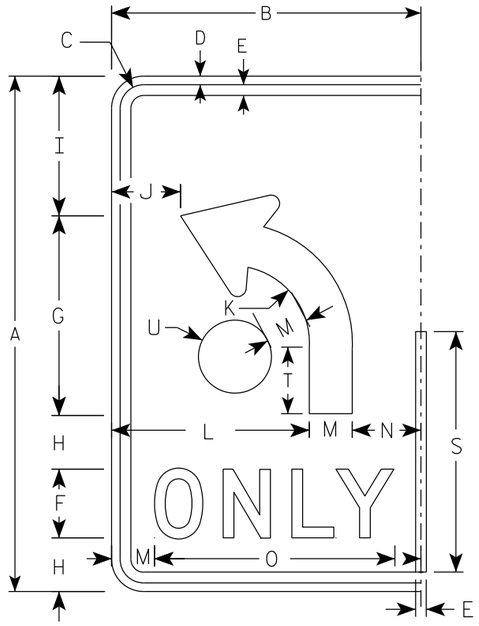
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

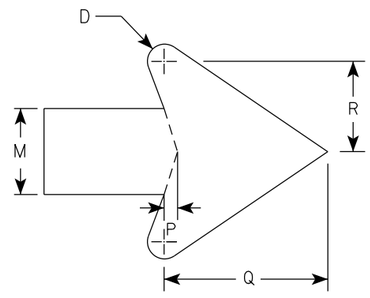
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 239 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

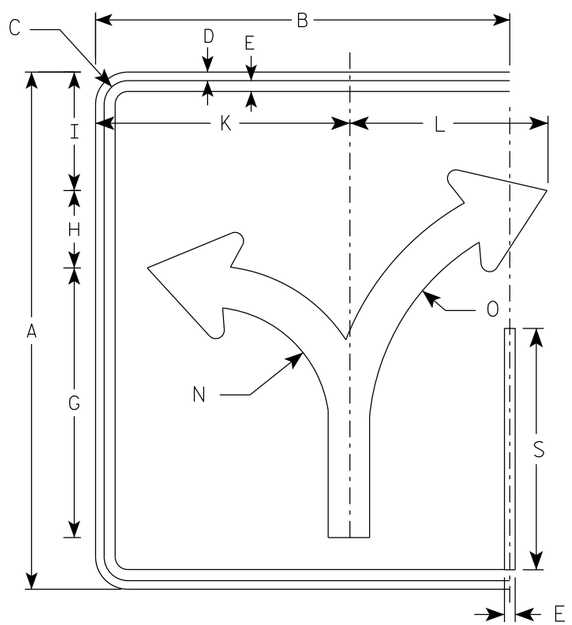
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

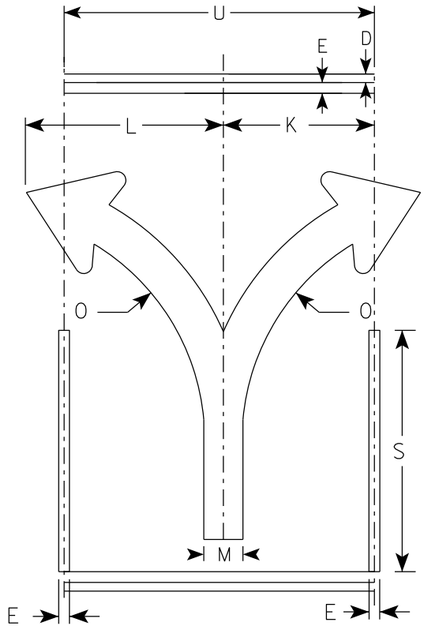
SHEET NO: 240 E

NOTES

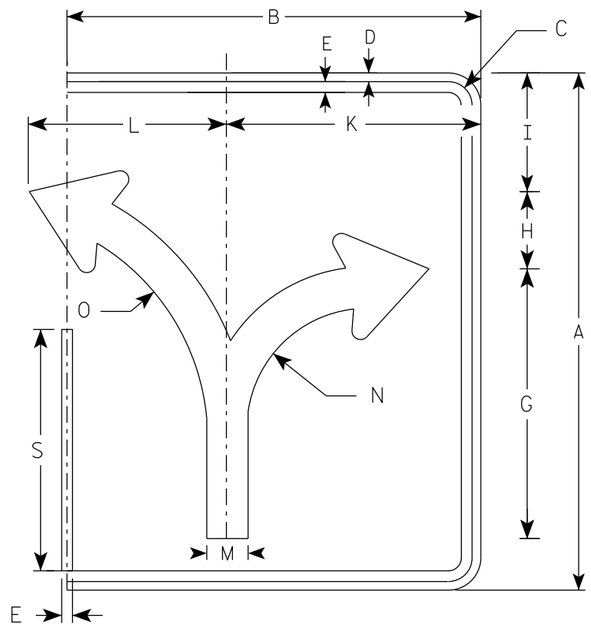
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



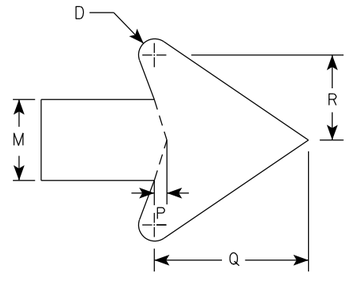
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

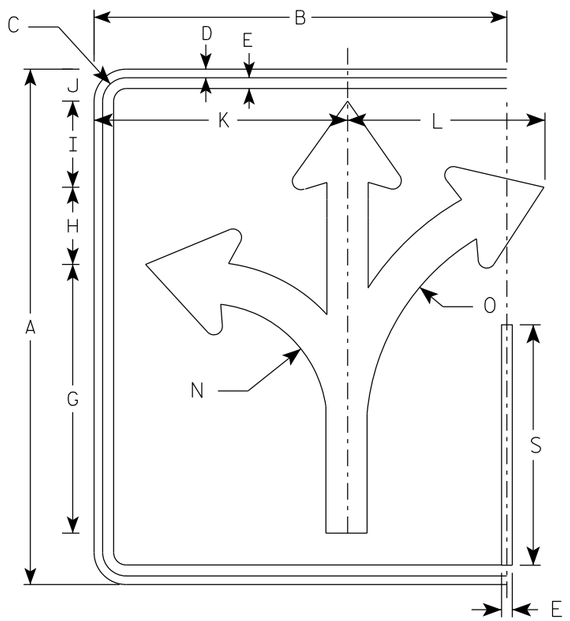
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

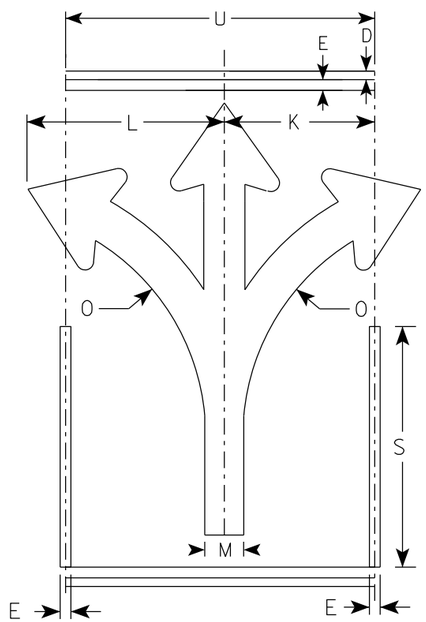
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 241 | E

NOTES

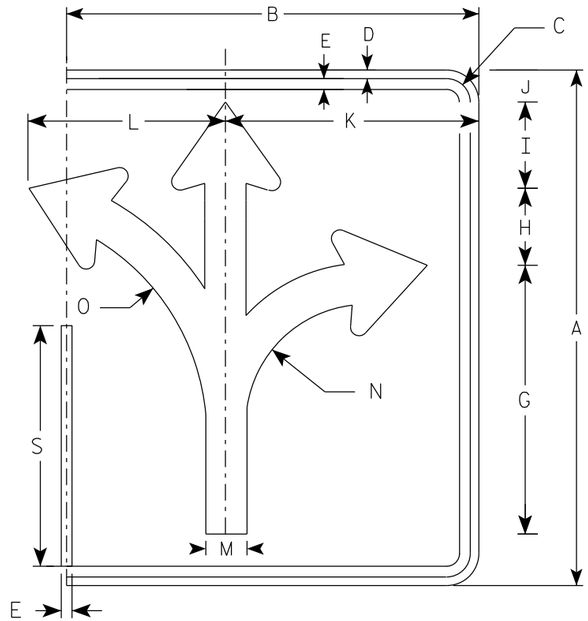
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



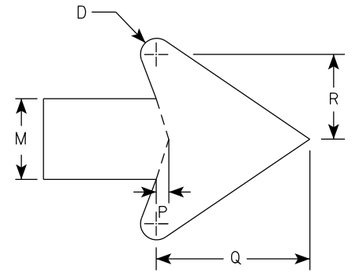
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

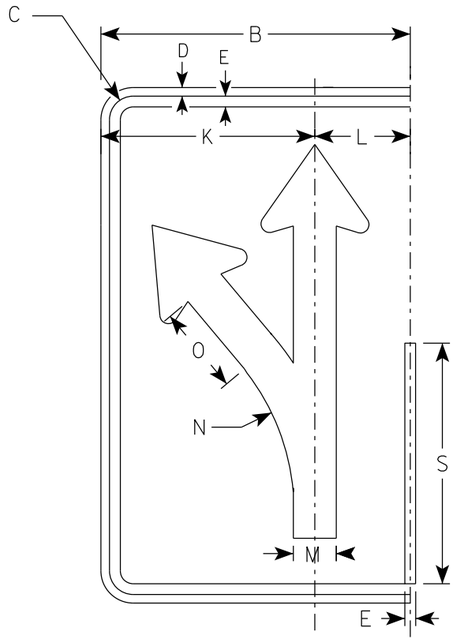
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 242 | E

7

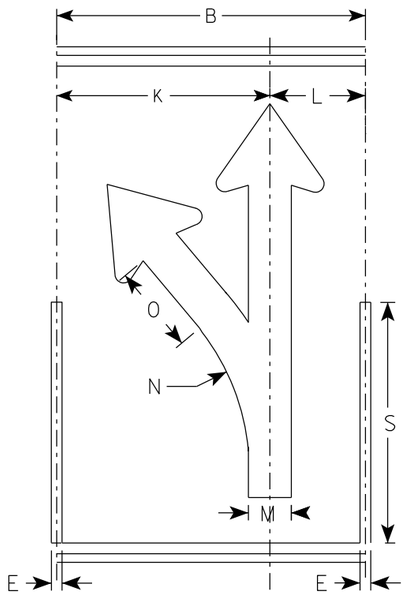
7

NOTES

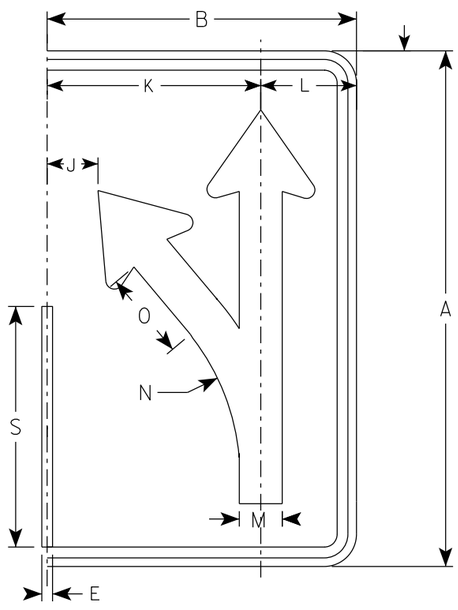
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



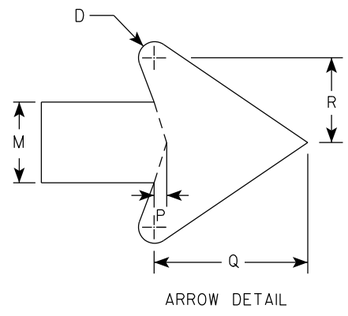
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

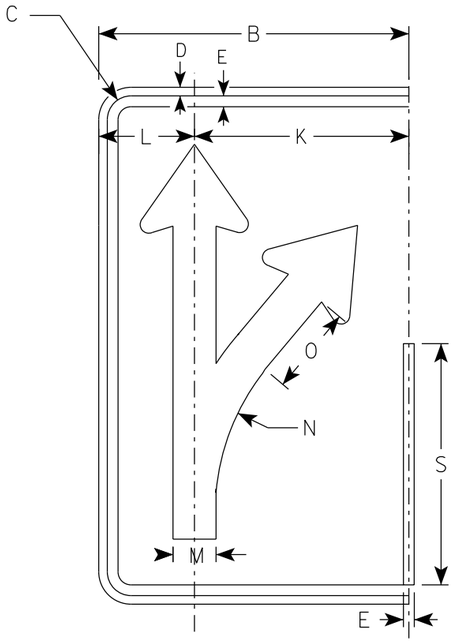
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

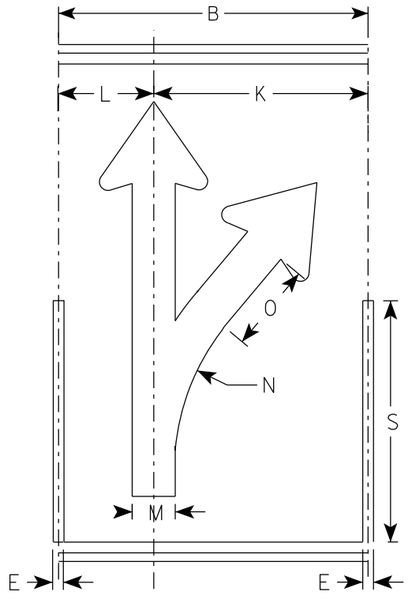
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 243 | E

NOTES

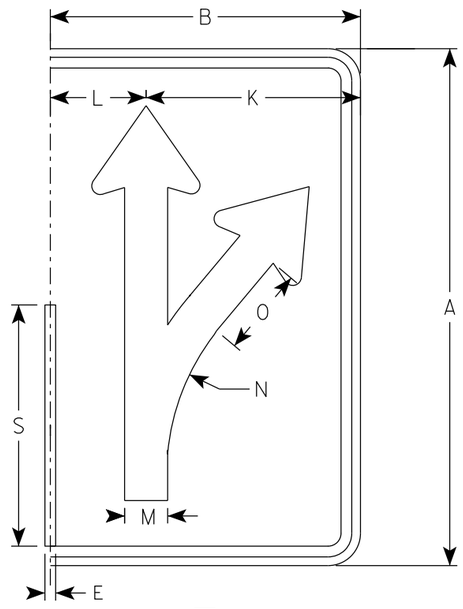
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



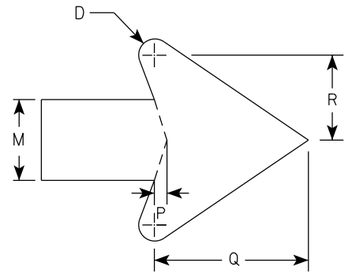
(F)



(F)



(F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

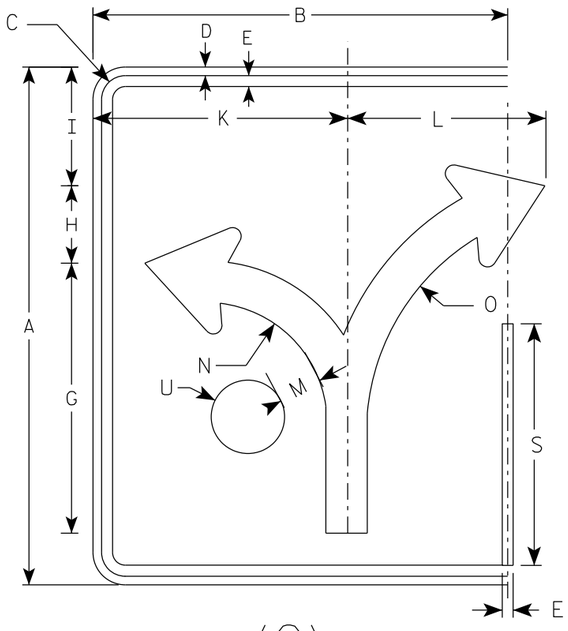
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

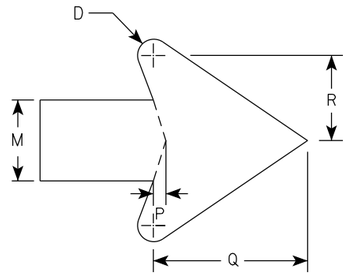
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 244 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

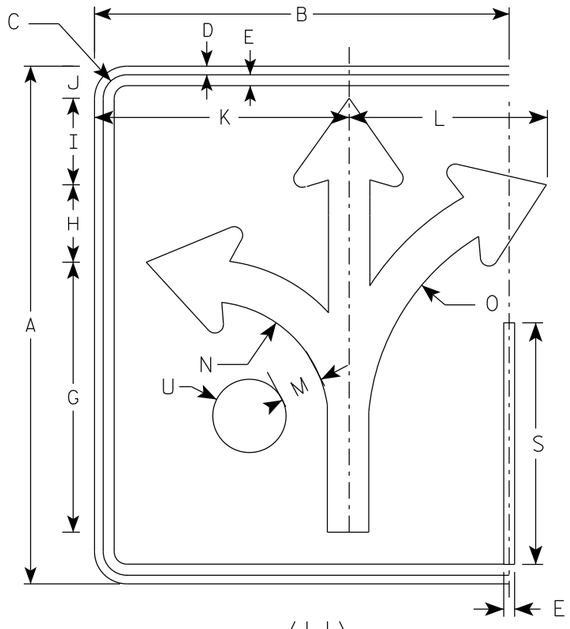
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

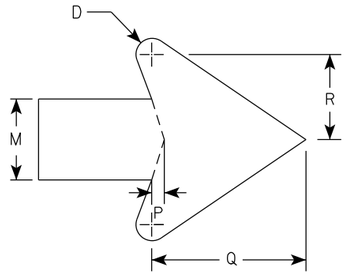
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 245 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

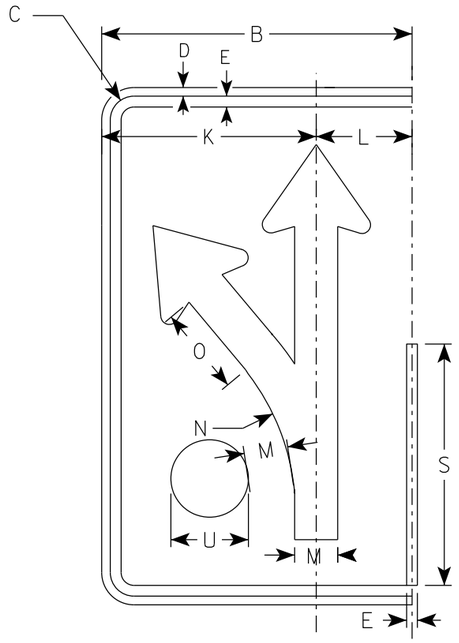
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

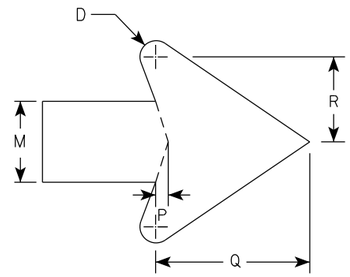
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 246	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

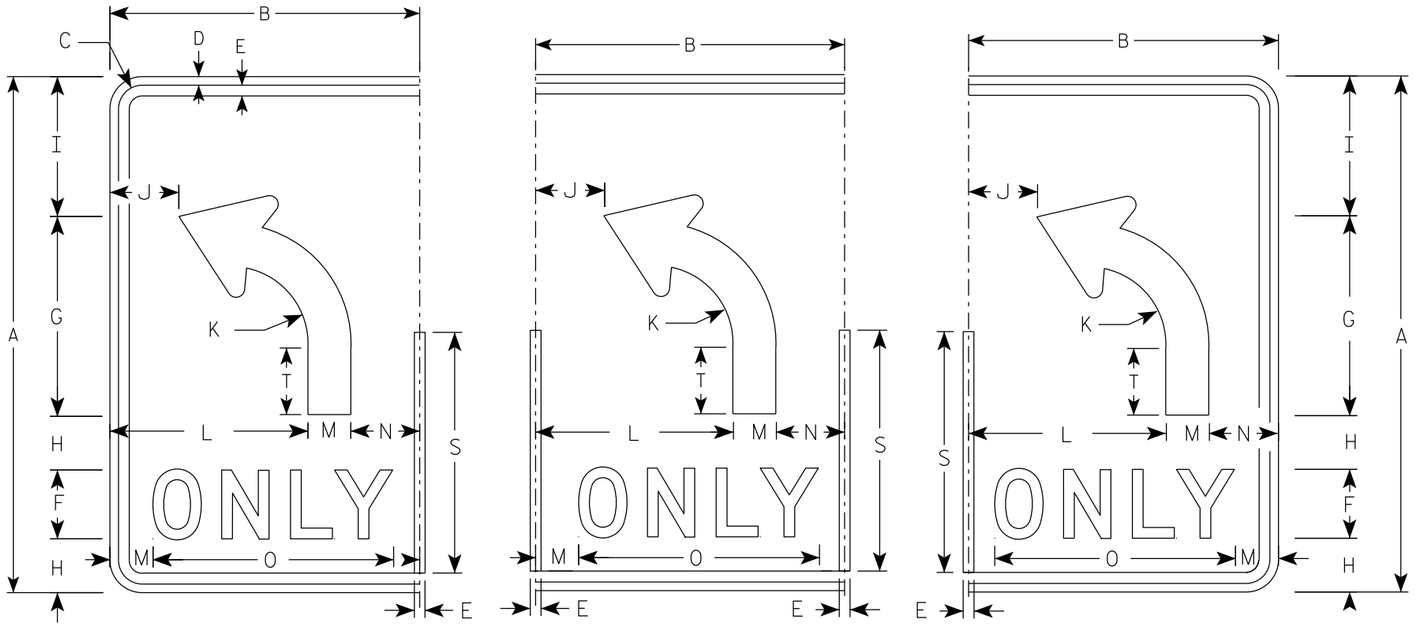
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

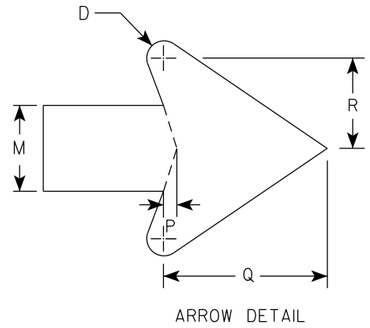
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 247 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



(L) (L) (L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

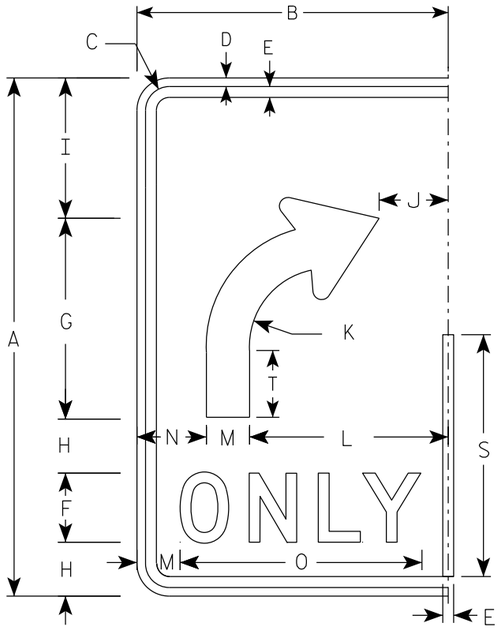
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

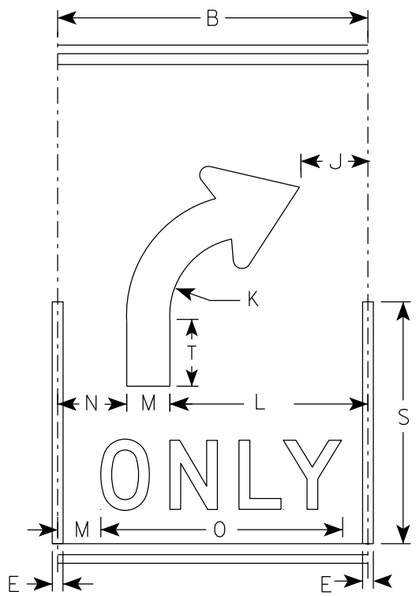
SHEET NO: 248 E

NOTES

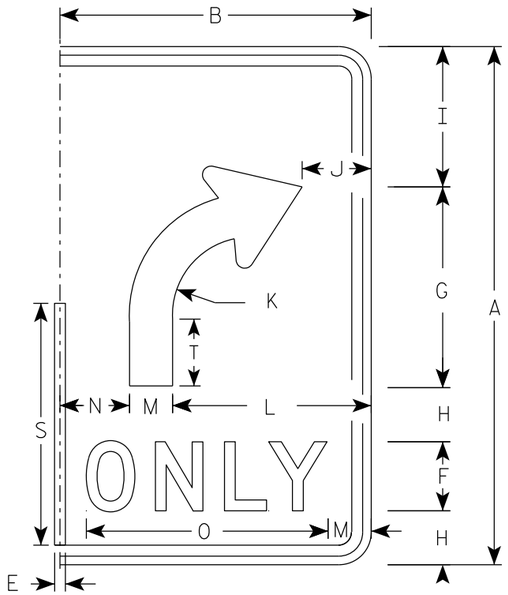
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



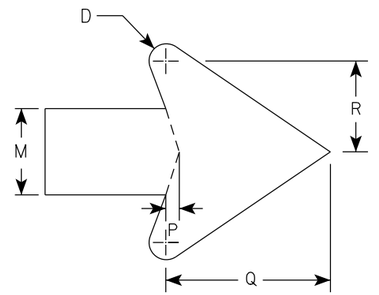
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

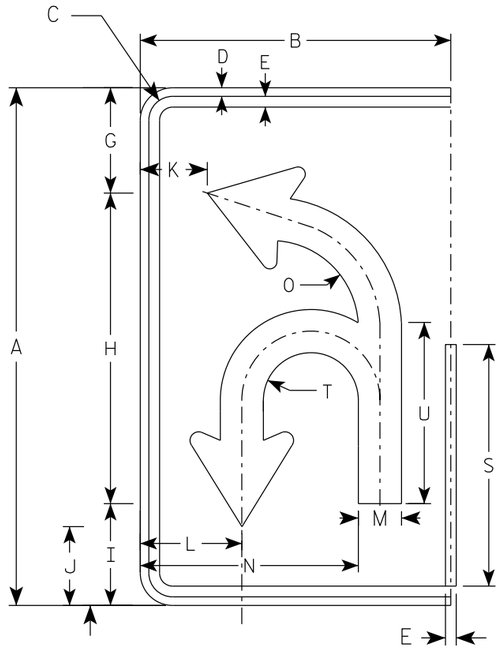
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

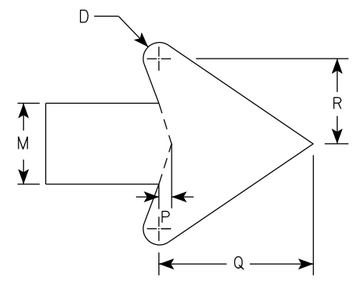
SHEET NO: 249 **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

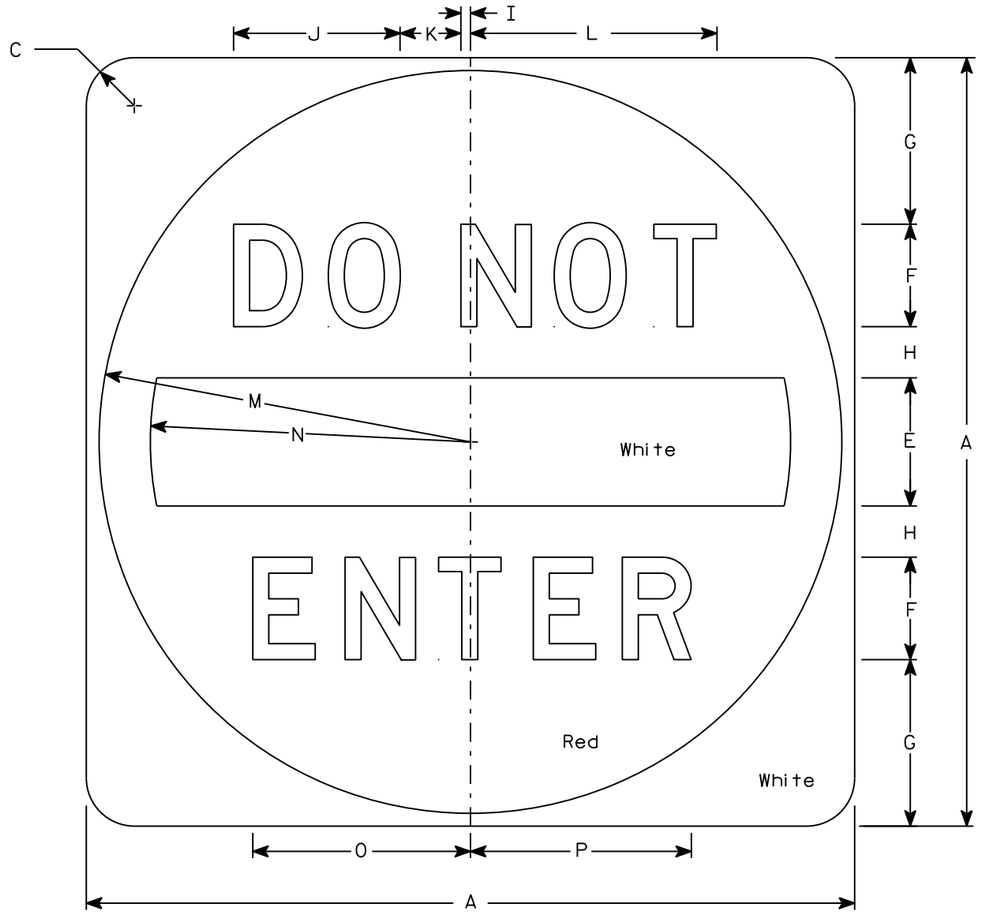
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 250 | 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

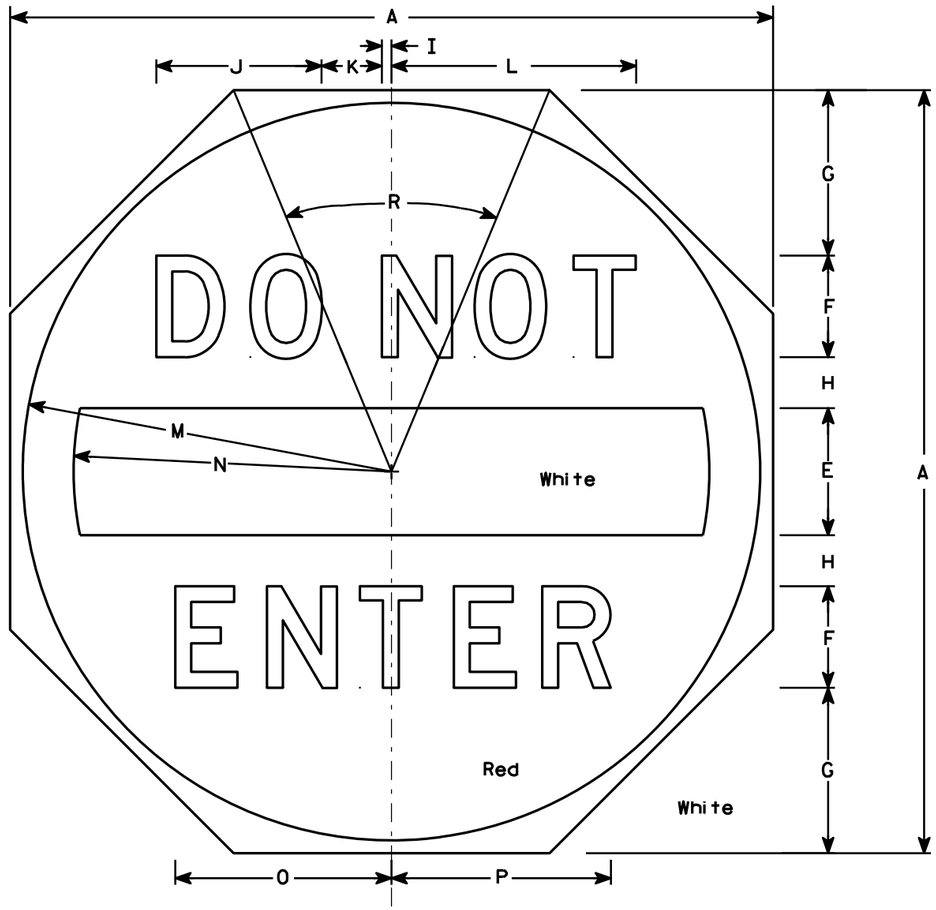
STANDARD SIGN
R5-1

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: 251 | E



R5-1C

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors 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	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		45°									5.18
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		45°									7.46
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		45°									7.46
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		45°									13.25
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		45°									13.25

STANDARD SIGN
R5-1C

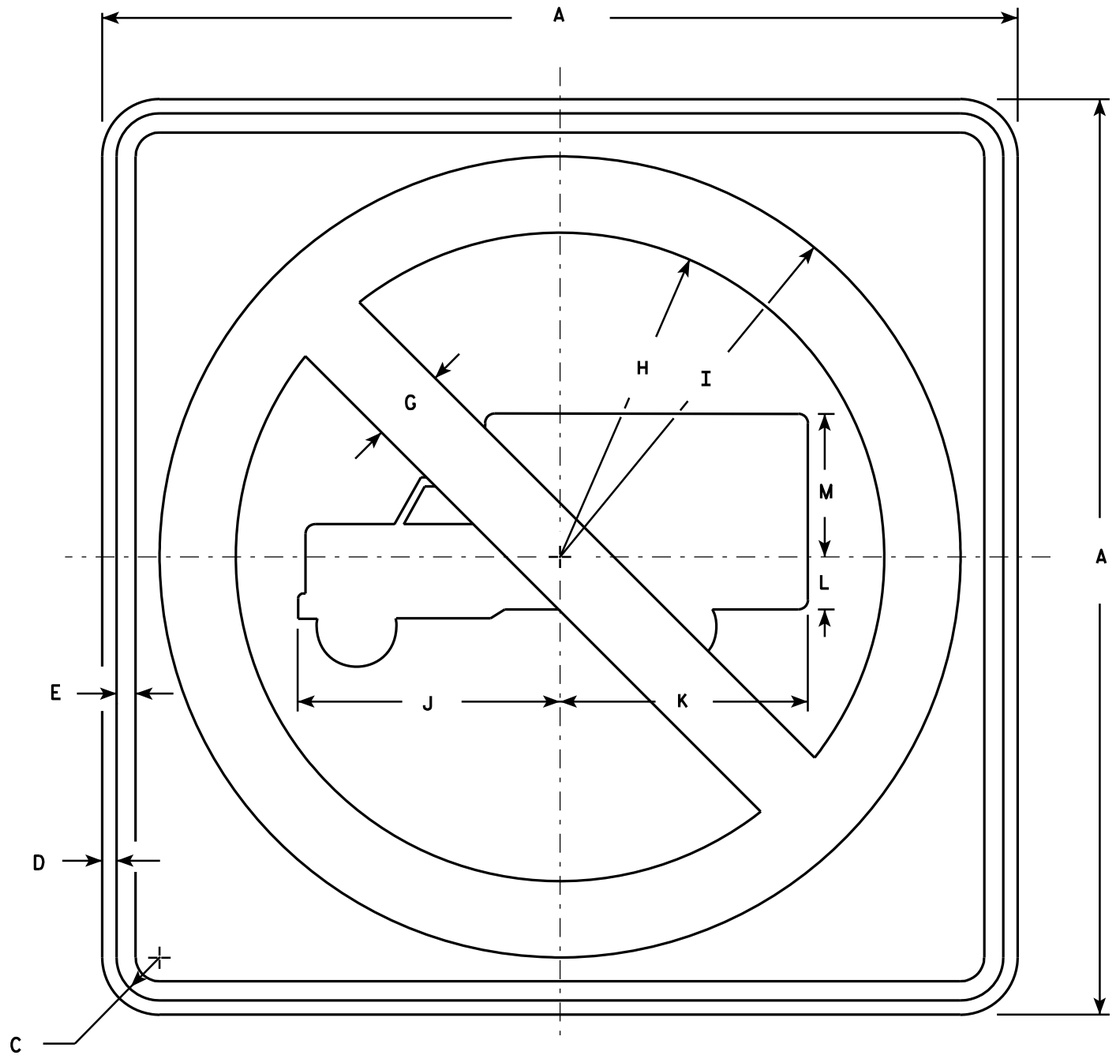
WISCONSIN DEPT OF TRANSPORTATION

APPROVED

State Traffic Engineer

DATE 3/23/11 PLATE NO. R5-1C.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 252 | E



R5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Circle & Diagonal - Reflective red.
   Truck Symbol & Border - Non-reflective 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																											
2S	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 3/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		1 5/8	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

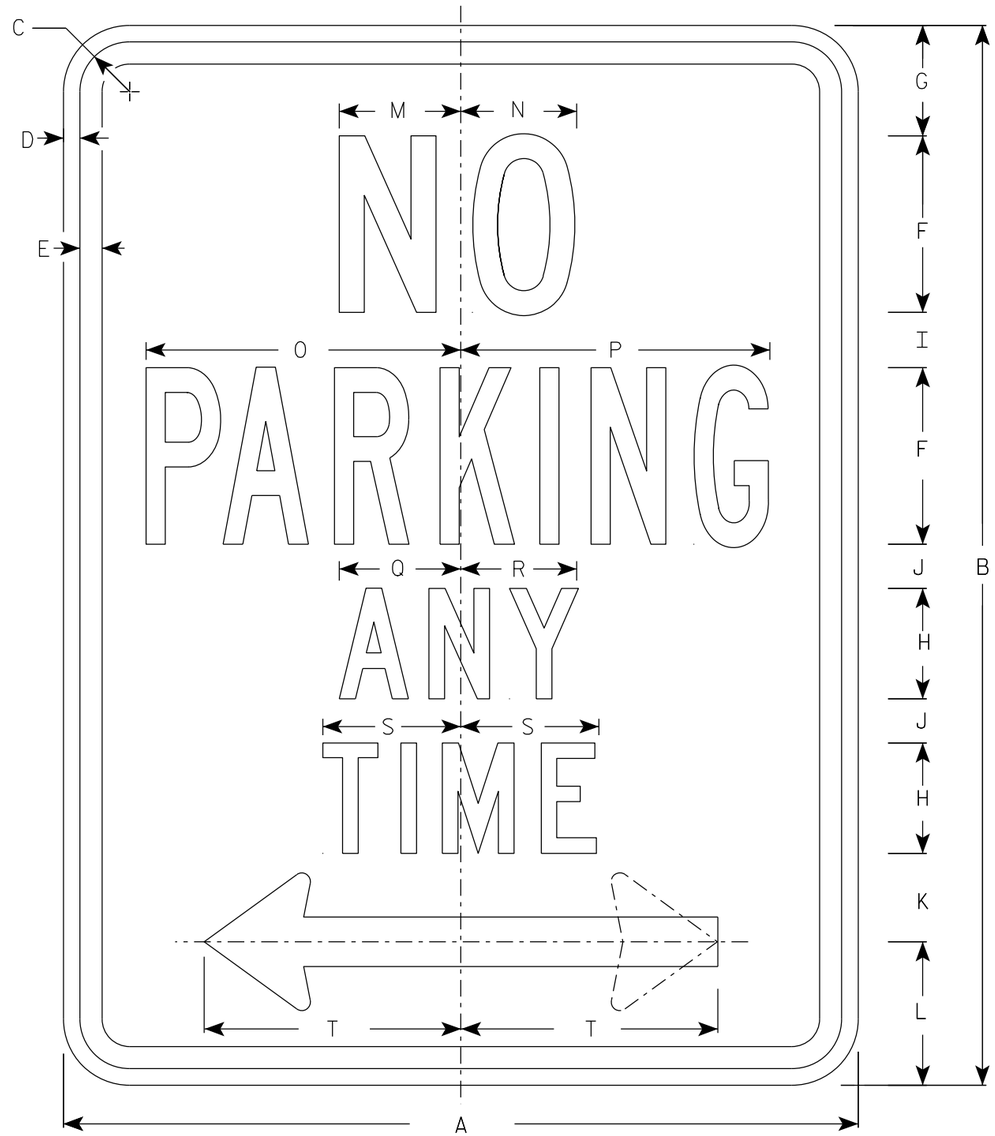
STANDARD SIGN
R5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2.6

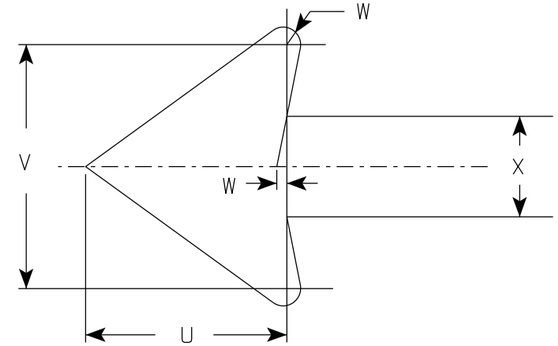
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 253	E



R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R7-1.10

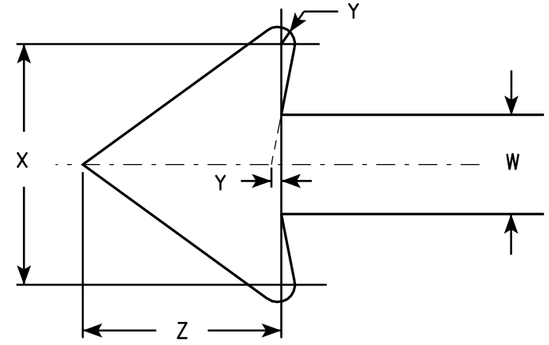
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 254 E



R7-51

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

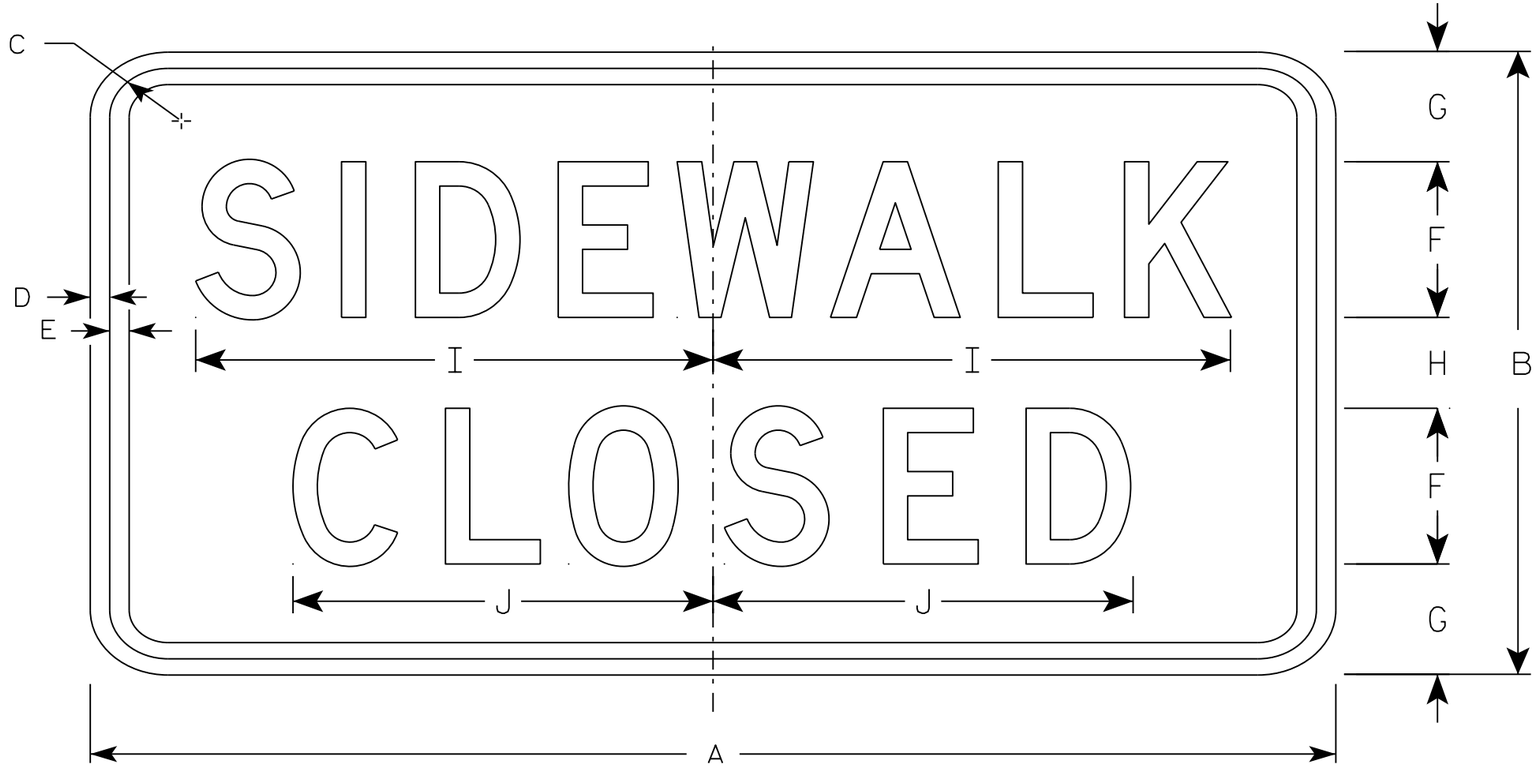
STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-51.6

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 255	E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

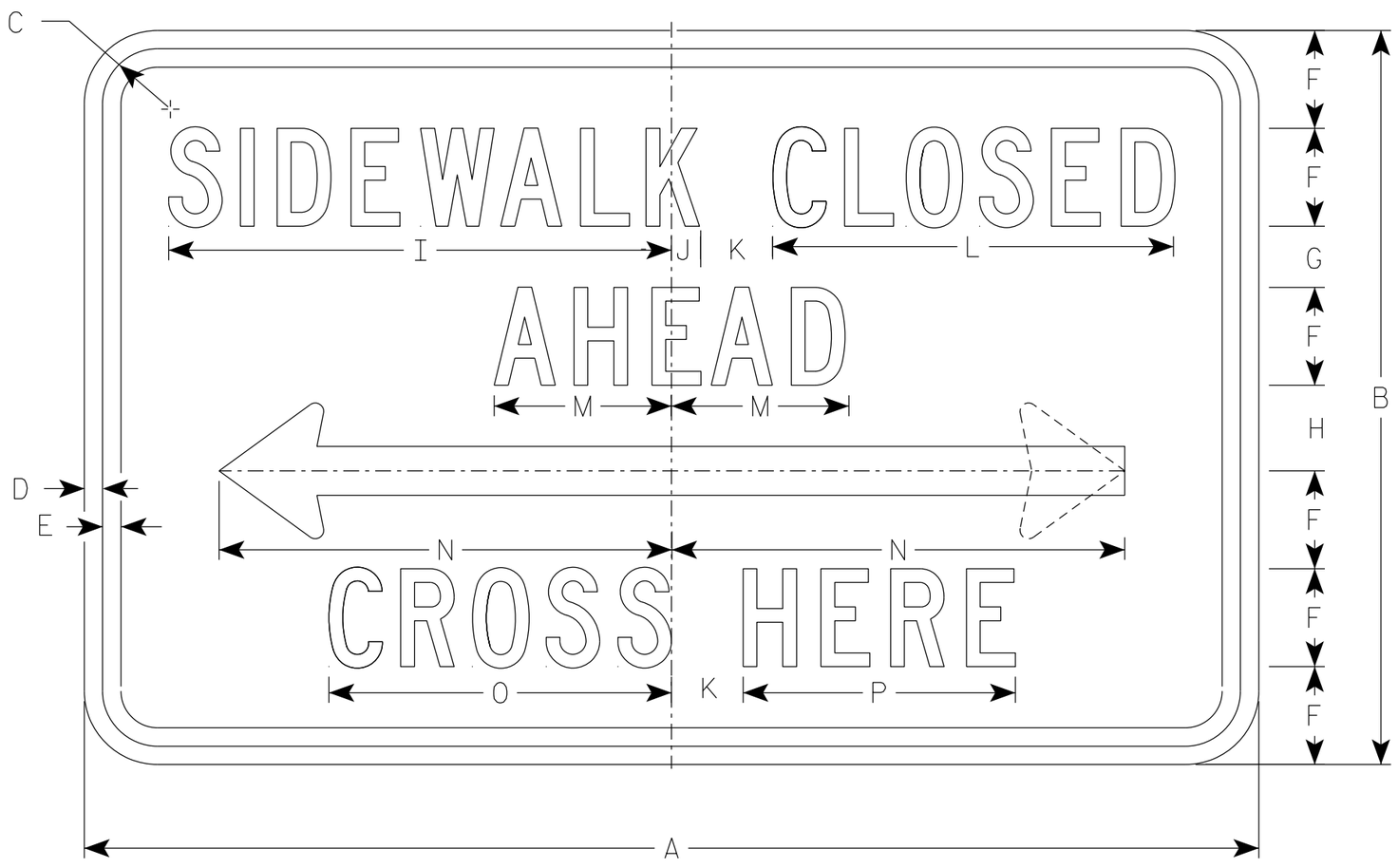
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

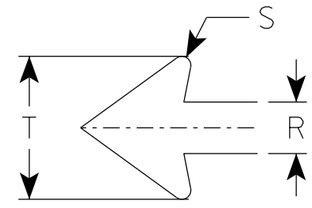
DATE 8/11/16 PLATE 256 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.
6. R9-11 D (double arrow)
   R9-11 L (left arrow)
   R9-11 R (right arrow)

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

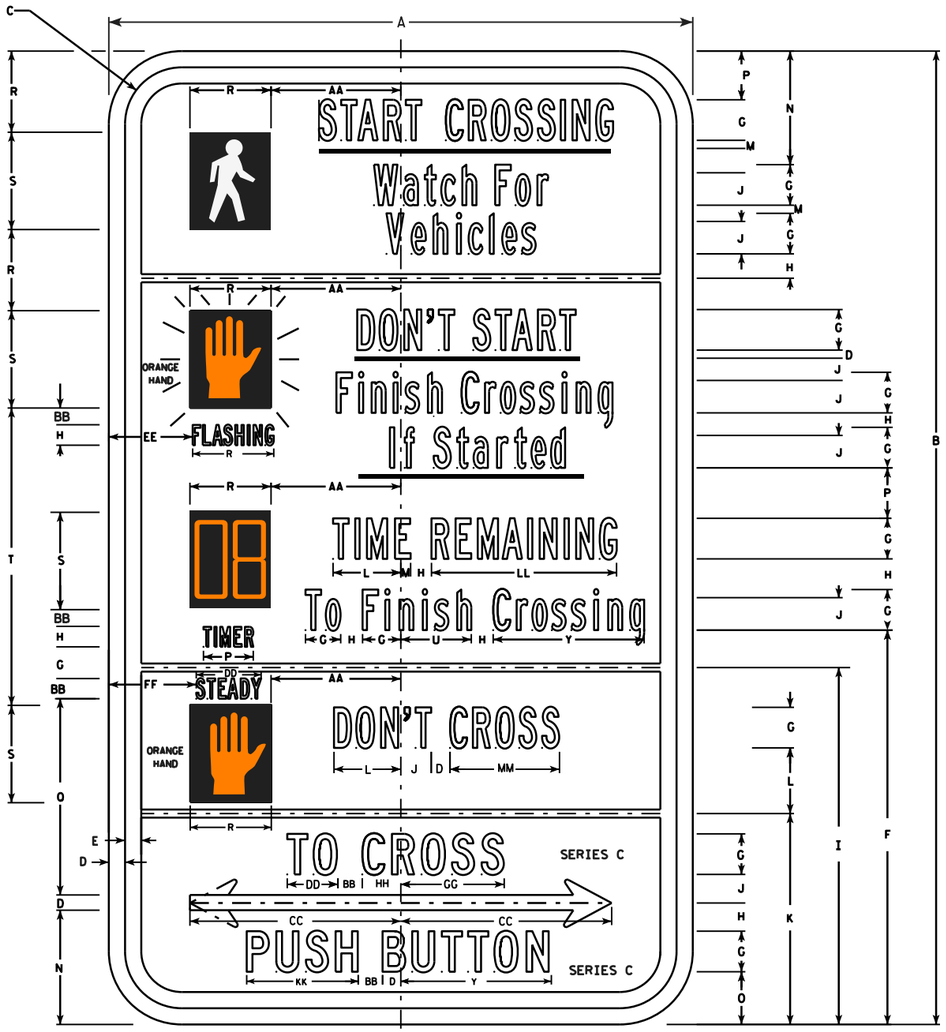
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

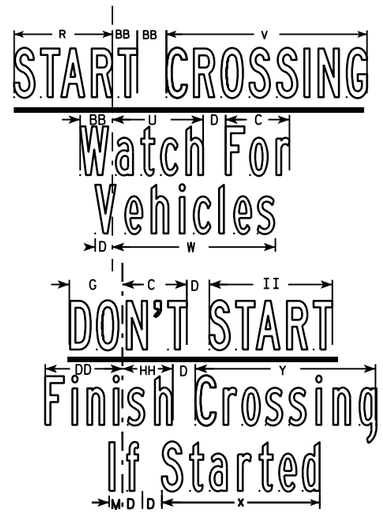
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 257 | E



R10-3E

NOTES

1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK except Hand Symbol which is Orange with black background.
3. Message Series - B or as noted on the sign.
4. R10-3ER (right arrow)
   R10-3EL (left arrow)
   R10-3ED (double arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	6	10	1/2	1/8	1/8	4	3/8	1/4	4 1/8	1/4	2 1/8	3/4	1/8	1 1/8	1/2	1/2	2 1/4	7/8	1	3	3/4	1 3/4	1 5/8	1 3/8	1 1/2	5/8	0.42
2S	9	15	7/8	1/4	1/4	6 1/8	5/8	3/8	5 1/2	1/2	3 1/4	1	1/8	1 3/4	7/8	3/4	3	1 1/4	1 1/2	4 5/8	1 1/8	2 5/8	2 1/8	2	2 3/8	1 3/8	0.94
2M	9	15	7/8	1/4	1/4	6 1/8	5/8	3/8	5 1/2	1/2	3 1/4	1	1/8	1 3/4	7/8	3/4	3	1 1/4	1 1/2	4 5/8	1 1/8	2 5/8	2 1/8	2	2 3/8	1 3/8	0.94
3																											
4																											

SIZE	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	UU	VV	WW	XX	YY	ZZ	Area sq. ft.
1	1 3/8	1/4	2 1/4	1/2	7/8	7/8	1 1/8	3/8	1	1/2	1 1/8	1 7/8	1 1/8														
2S	2	3/8	3 1/4	1	1 1/4	1 3/8	1 5/8	5/8	1 5/8	3/4	1 3/4	2 7/8	1 5/8														
2M	2	3/8	3 1/4	1	1 1/4	1 3/8	1 5/8	5/8	1 5/8	3/4	1 3/4	2 7/8	1 5/8														
3																											
4																											

STANDARD SIGN
R10-3EL,R,D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

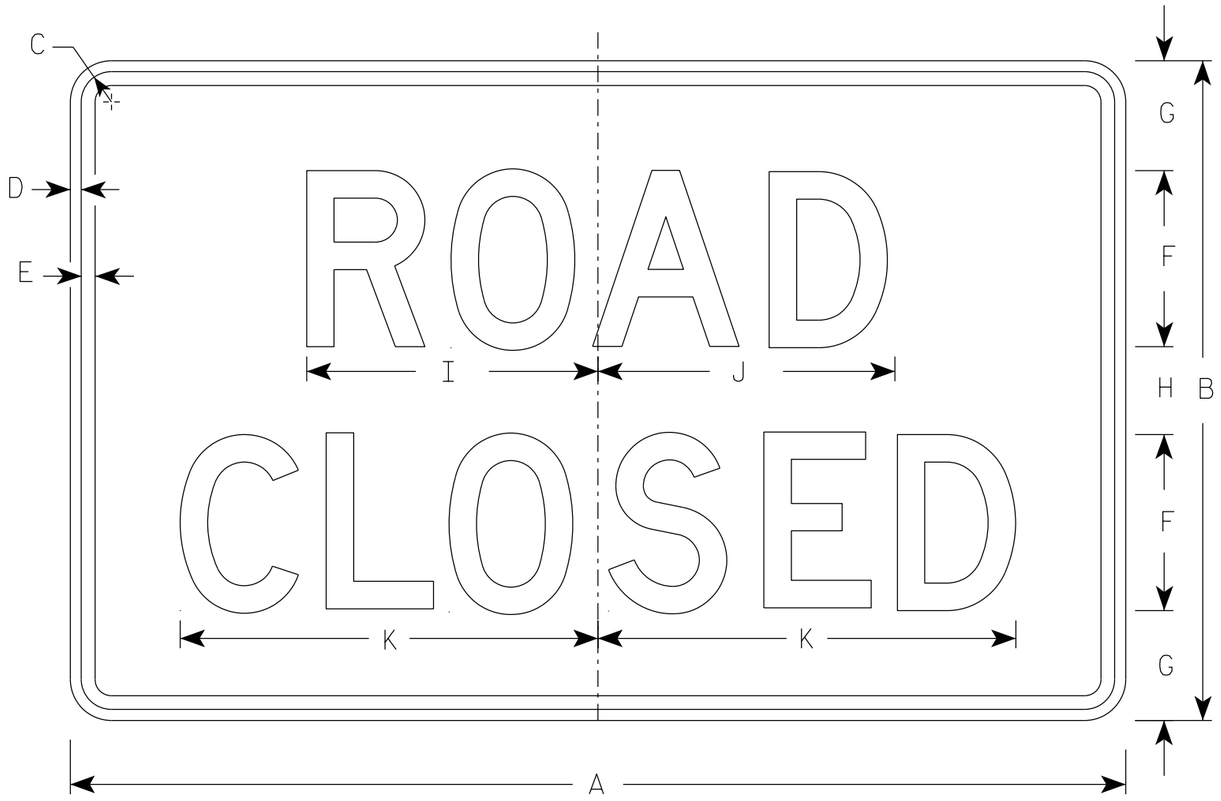
DATE 4/12/2011 PLATE R10-3E.2

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R103E.DGN PLOT DATE : 09-APR-2014 11:22 PLOT BY : mscsja

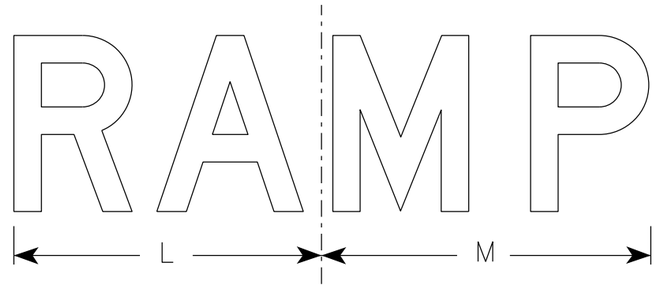
WISDOT/CADDS SHEET 42



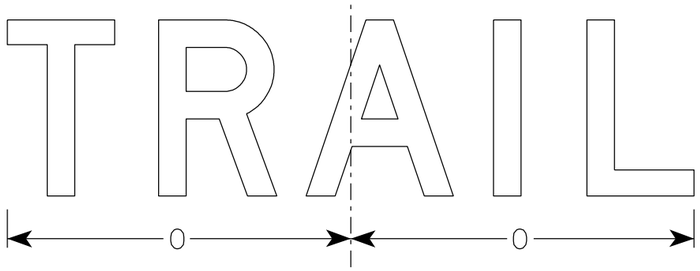
R11-2

NOTES

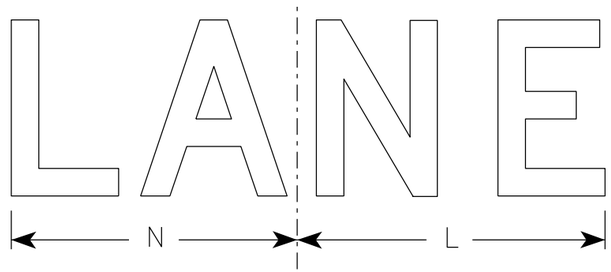
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

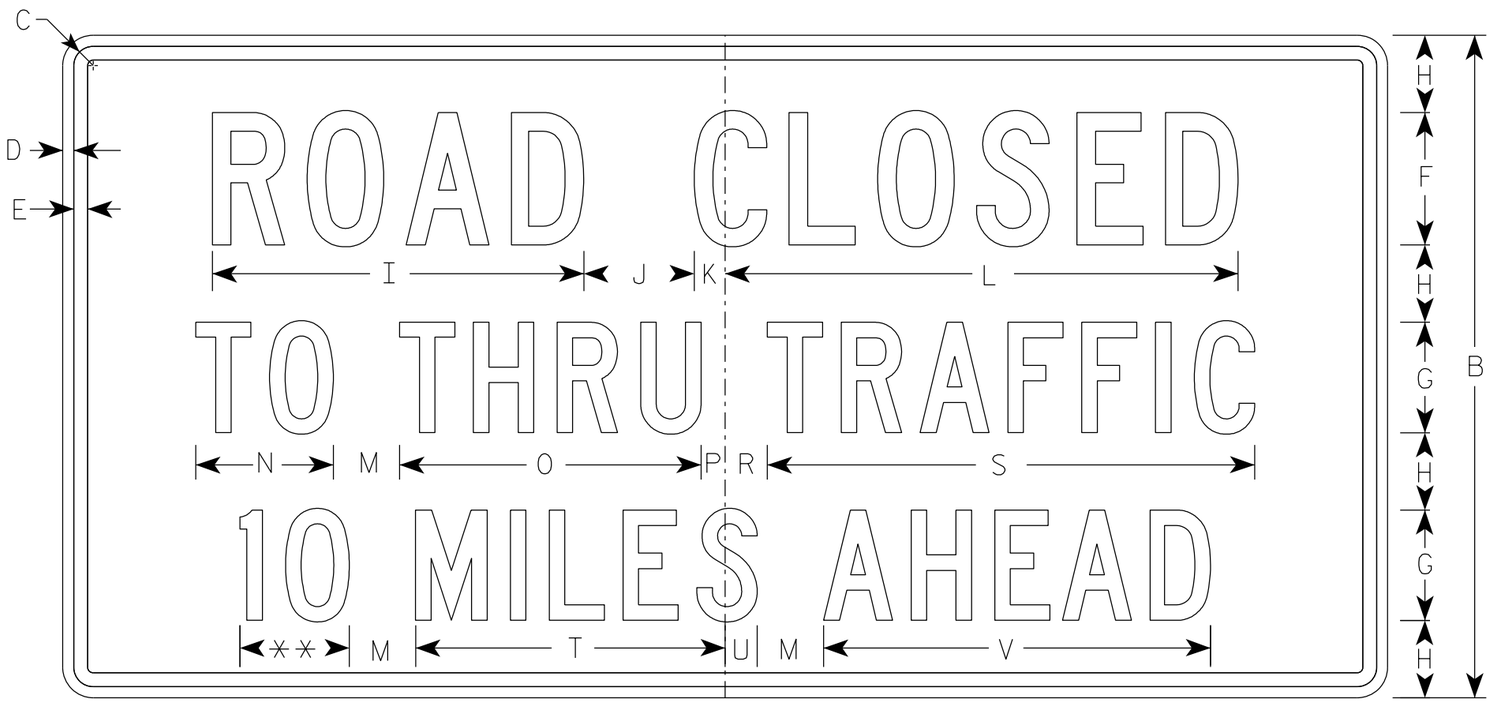
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 29-MAR 2021 8:15 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

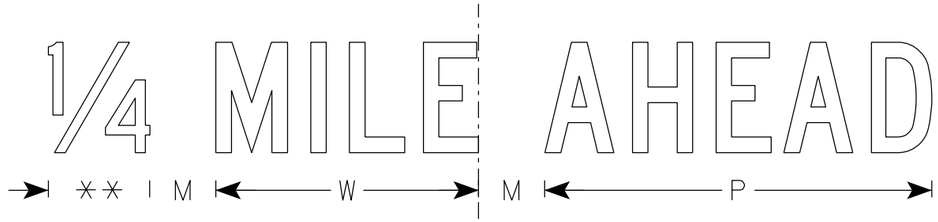
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



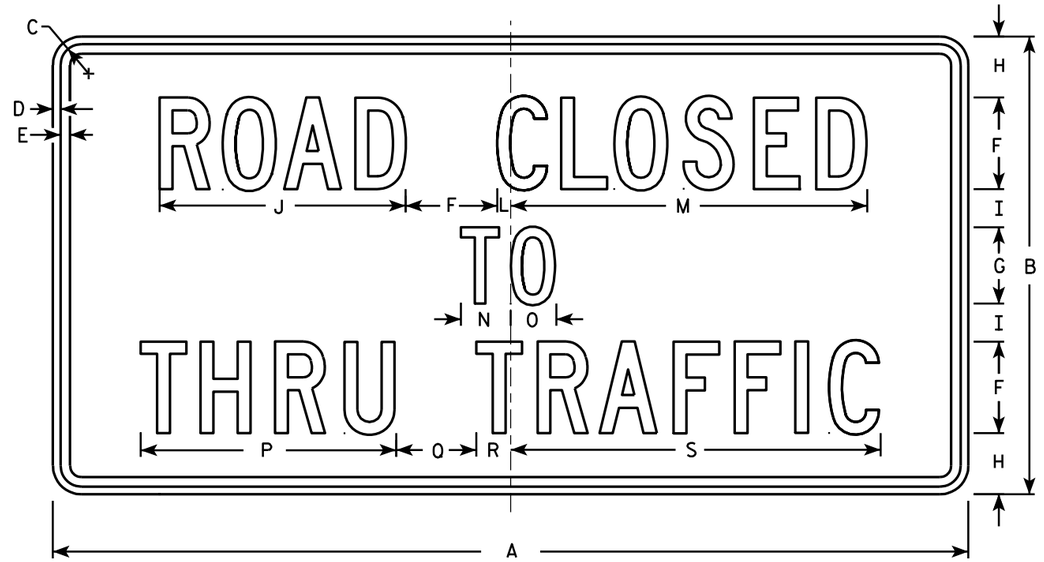
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 6/14/2021 PLATE NO. R11-3.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 260 | E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

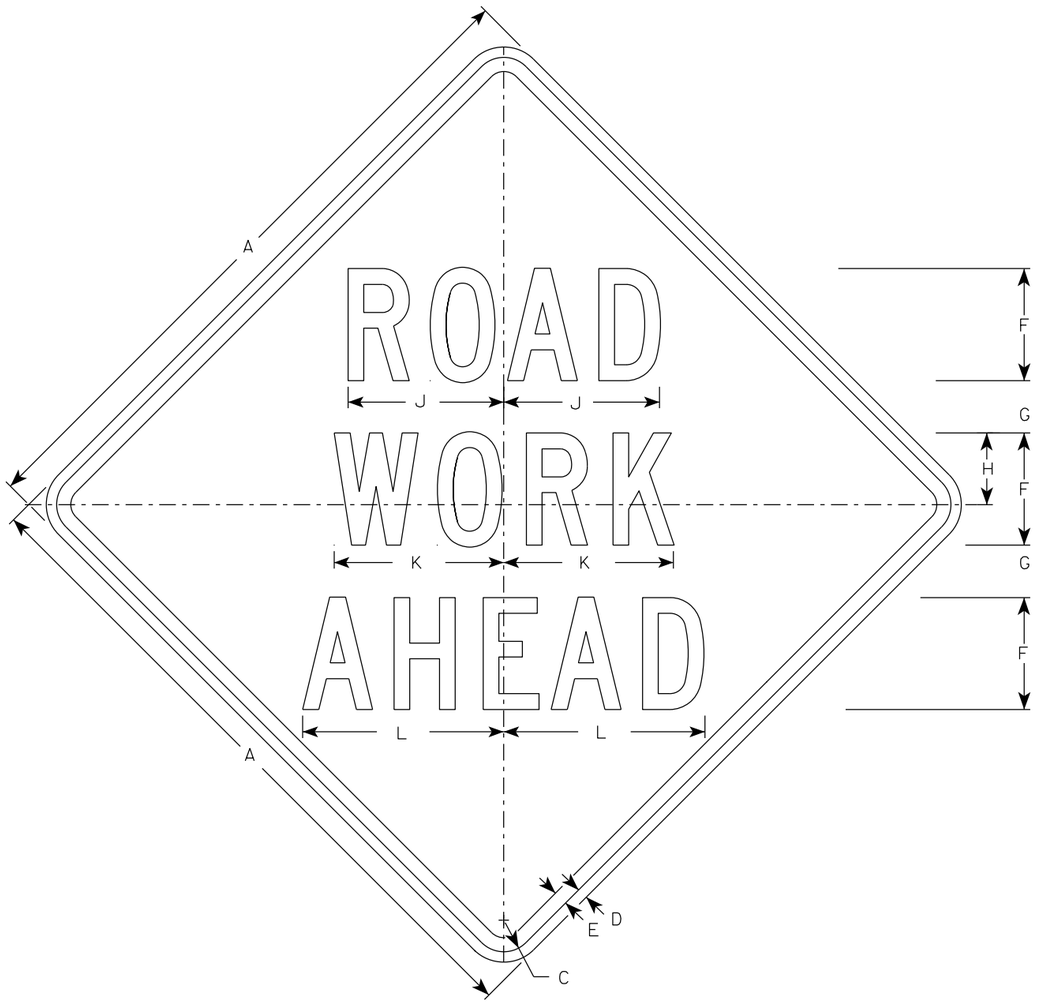
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

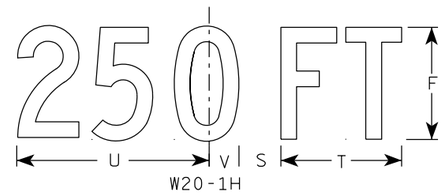
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 261 | E

NOTES

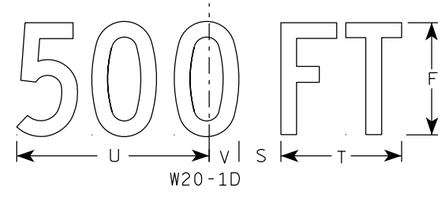
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



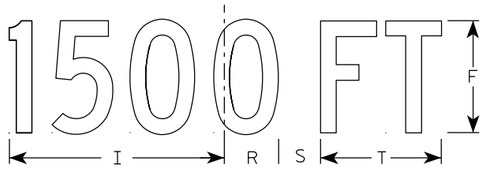
W20-1H



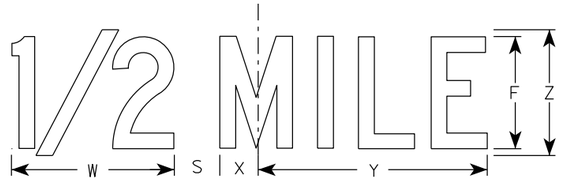
W20-1D



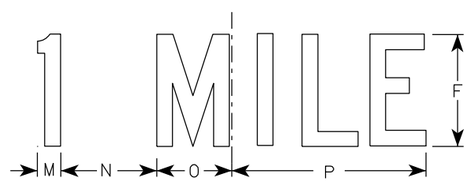
W20-1C



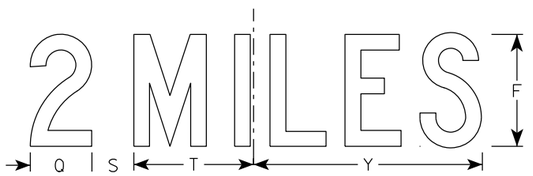
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

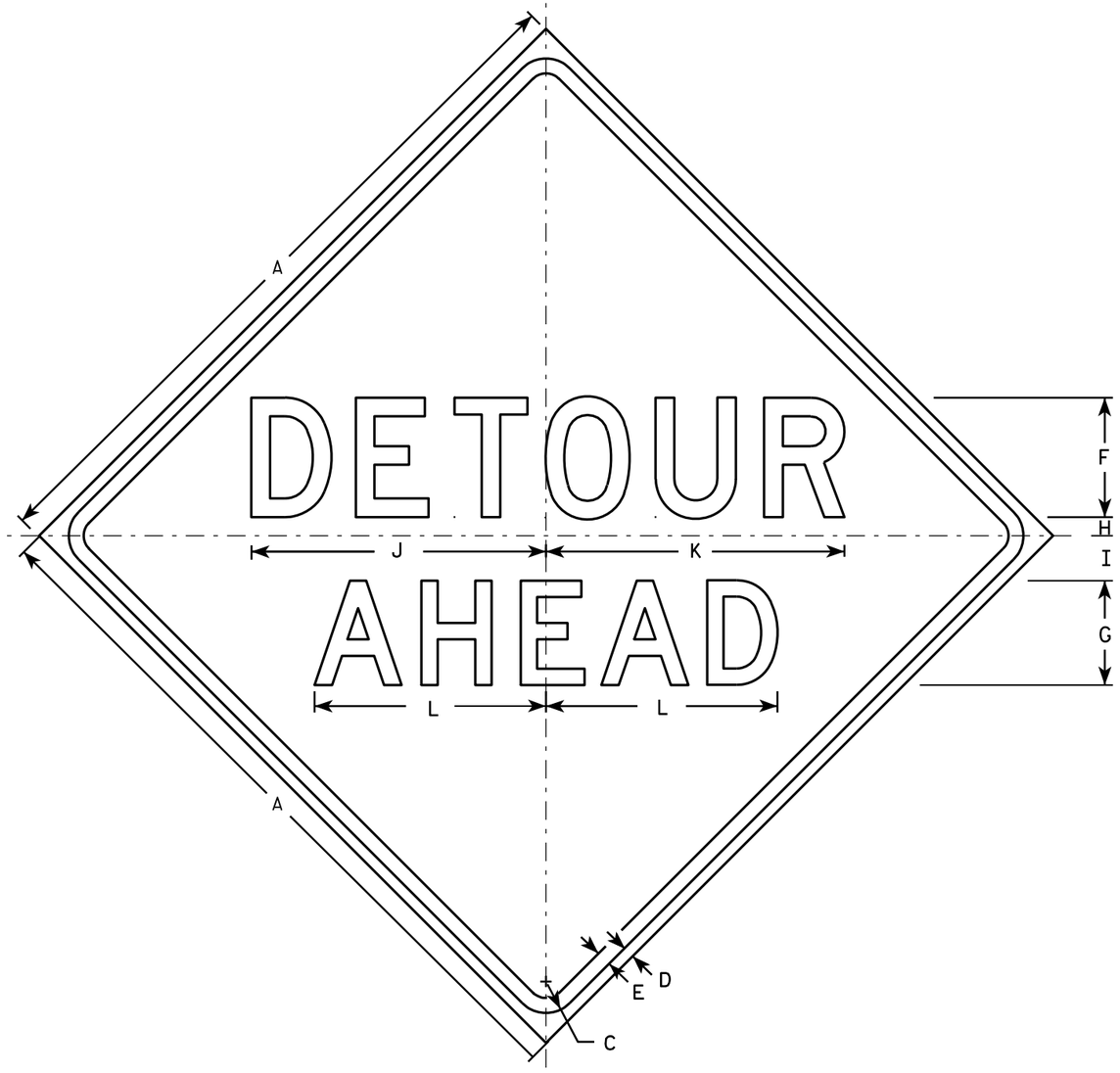
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

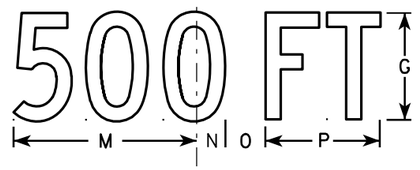
DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

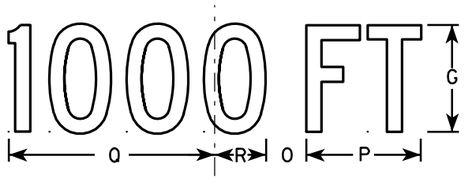
SHEET NO: E



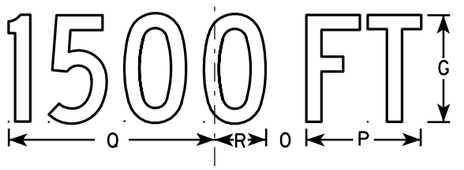
W20-2A



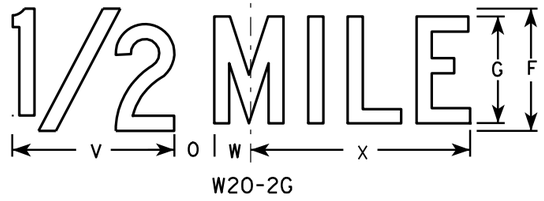
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

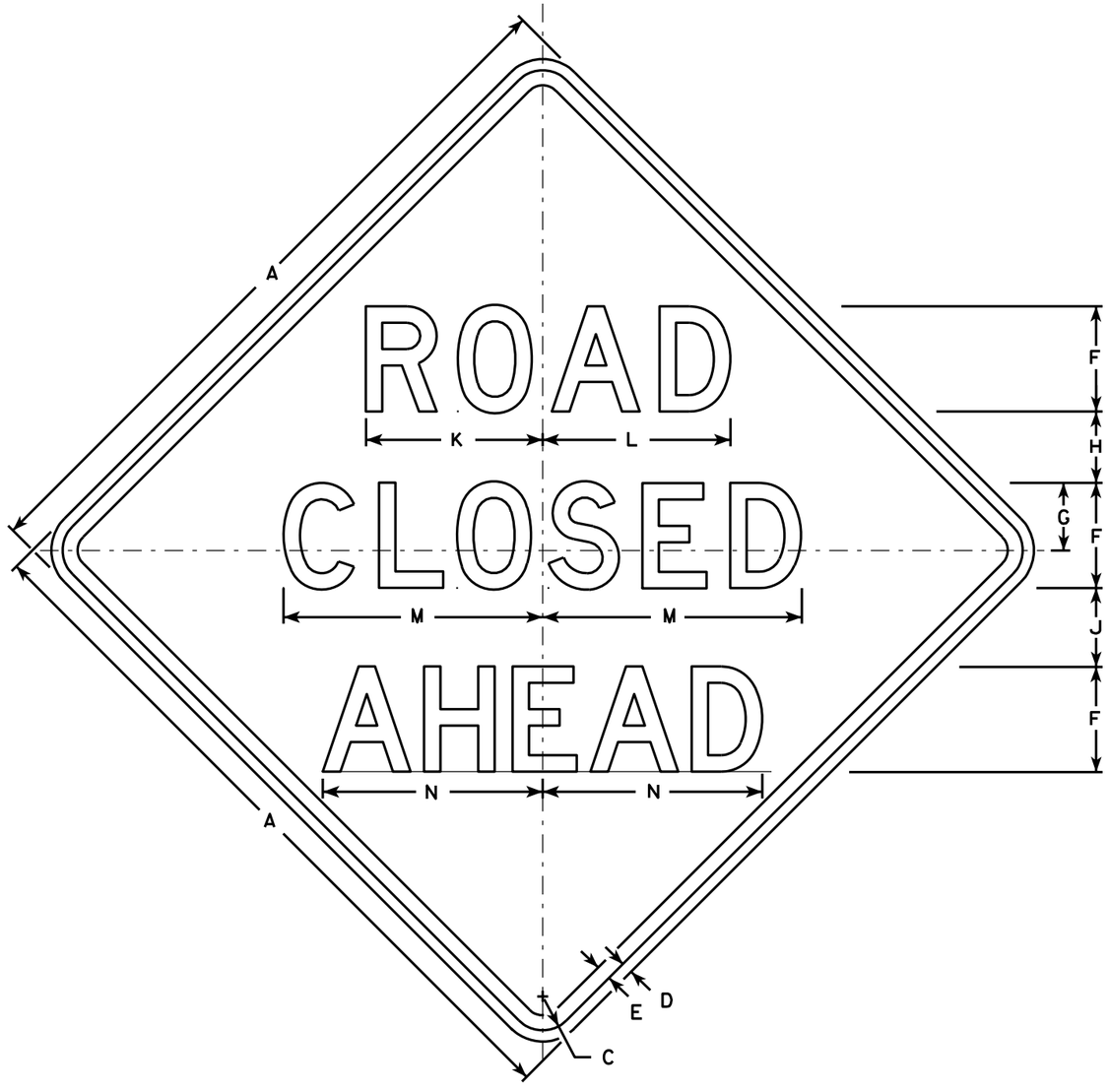
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

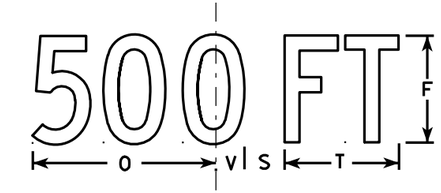
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-2.6

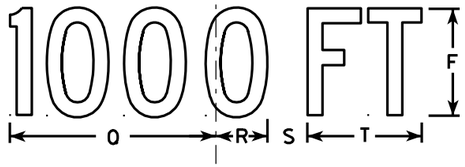
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 263	E



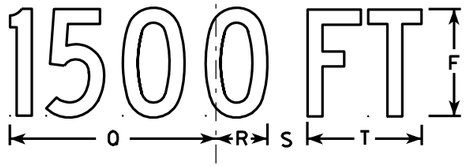
W20-3A



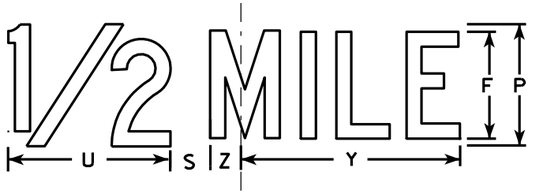
W20-3D



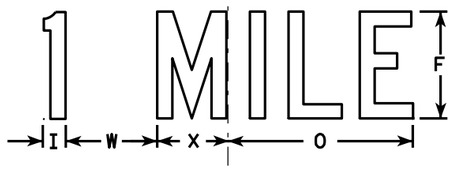
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

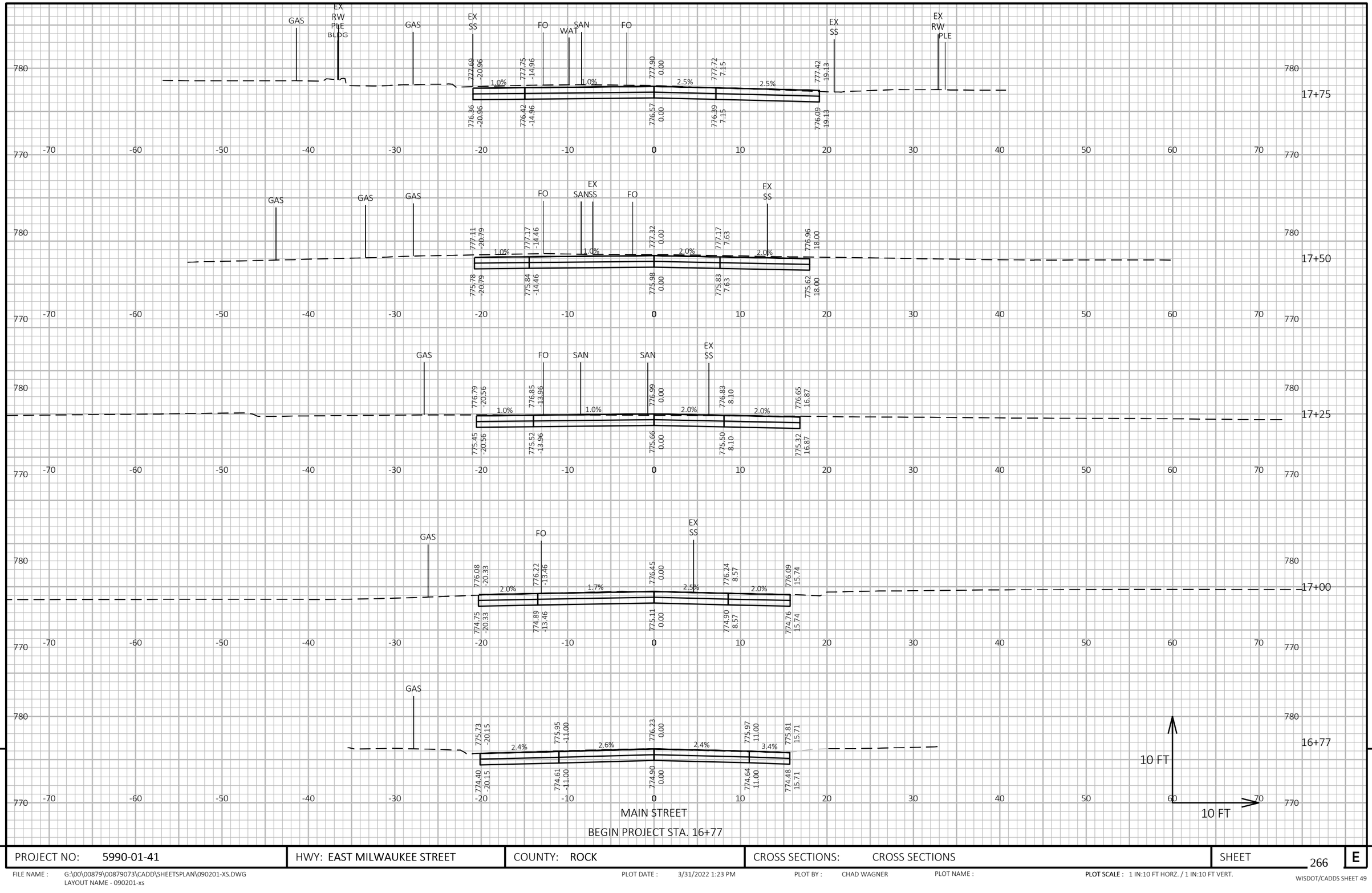
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 264 | E

DIVISION 1

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						NOTE 1	NOTE 2	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
16+77	1677.00	0.00	35.31	0.00	0.00	0	0	0	0	0	0
17+00	1700.00	23.00	68.10	0.00	0.00	44	0	0	44	0	44
17+25	1725.00	25.00	102.82	0.00	0.00	79	0	0	123	0	123
17+50	1750.00	25.00	108.72	0.00	0.00	98	0	0	221	0	221
17+75	1775.00	25.00	63.72	0.00	0.00	80	0	0	301	0	301
18+00	1800.00	25.00	92.88	0.00	0.00	73	0	0	374	0	374
18+25	1825.00	25.00	93.62	0.00	0.00	86	0	0	460	0	460
18+50	1850.00	25.00	92.40	0.00	0.00	86	0	0	546	0	546
18+75	1875.00	25.00	97.03	0.00	0.00	88	0	0	634	0	634
19+00	1900.00	25.00	94.74	0.00	0.00	89	0	0	723	0	723
19+25	1925.00	25.00	90.37	0.00	0.00	86	0	0	809	0	809
19+50	1950.00	25.00	86.81	0.00	0.00	82	0	0	891	0	891
19+76	1976.00	26.00	88.45	0.00	0.00	84	0	0	975	0	975
20+00	2000.00	24.00	84.77	0.00	0.00	77	0	0	1,052	0	1,052
20+25	2025.00	25.00	71.42	0.00	0.00	72	0	0	1,124	0	1,124
20+50	2050.00	25.00	158.27	0.00	0.00	106	0	0	1,230	0	1,230
20+75	2075.00	25.00	164.86	0.00	0.00	150	0	0	1,380	0	1,380
21+00	2100.00	25.00	66.92	0.00	0.00	107	0	0	1,487	0	1,487
21+25	2125.00	25.00	84.14	0.00	0.00	70	0	0	1,557	0	1,557
21+50	2150.00	25.00	84.32	0.00	0.00	78	0	0	1,635	0	1,635
21+75	2175.00	25.00	84.87	0.00	0.00	78	0	0	1,713	0	1,713
22+00	2200.00	25.00	87.95	0.00	0.00	80	0	0	1,793	0	1,793
22+06	2206.00	6.00	87.74	0.00	0.00	20	0	0	1,813	0	1,813
22+25	2225.00	19.00	87.26	0.00	0.00	62	0	0	1,875	0	1,875
22+50	2250.00	25.00	91.73	0.00	0.00	83	0	0	1,958	0	1,958
22+75	2275.00	25.00	92.55	0.00	0.00	85	0	0	2,043	0	2,043
23+00	2300.00	25.00	89.78	0.00	0.00	84	0	0	2,127	0	2,127
23+28	2328.00	28.00	95.72	0.00	0.00	96	0	0	2,223	0	2,223
23+50	2350.00	22.00	80.46	0.00	0.00	72	0	0	2,295	0	2,295
23+75	2375.00	25.00	113.27	0.00	0.00	90	0	0	2,385	0	2,385
24+00	2400.00	25.00	194.95	0.00	0.00	143	0	0	2,528	0	2,528
24+25	2425.00	25.00	78.56	0.00	0.00	127	0	0	2,655	0	2,655
24+50	2450.00	25.00	87.34	0.00	0.00	77	0	0	2,732	0	2,732
24+75	2475.00	25.00	90.81	0.00	0.00	82	0	0	2,814	0	2,814
25+00	2500.00	25.00	95.76	0.00	0.00	86	0	0	2,900	0	2,900
25+25	2525.00	25.00	94.25	0.00	0.00	88	0	0	2,988	0	2,988
25+50	2550.00	25.00	102.88	0.00	0.00	91	0	0	3,079	0	3,079
25+58	2558.00	8.00	103.30	0.00	0.00	31	0	0	3,110	0	3,110
25+75	2575.00	17.00	91.18	0.00	0.00	61	0	0	3,171	0	3,171
26+02	2602.00	27.00	98.91	0.00	0.00	95	0	0	3,266	0	3,266
26+25	2625.00	23.00	89.13	0.00	0.00	80	0	0	3,346	0	3,346
26+37	2637.00	12.00	99.20	0.00	0.00	42	0	0	3,388	0	3,388
26+50	2650.00	13.00	95.61	0.00	0.00	47	0	0	3,435	0	3,435
26+75	2675.00	25.00	89.99	0.00	0.00	86	0	0	3,521	0	3,521
26+99	2699.00	24.00	85.28	0.00	0.00	78	0	0	3,599	0	3,599
27+25	2725.00	26.00	192.40	0.00	0.00	134	0	0	3,733	0	3,733
27+40	2740.00	15.00	187.61	0.00	0.00	106	0	0	3,839	0	3,839
27+50	2750.00	10.00	133.96	0.00	0.00	60	0	0	3,899	0	3,899
27+75	2775.00	25.00	105.90	0.00	0.00	111	0	0	4,010	0	4,010
28+00	2800.00	25.00	97.68	0.00	0.00	94	0	0	4,104	0	4,104
28+25	2825.00	25.00	94.20	0.00	0.00	89	0	0	4,193	0	4,193
28+50	2850.00	25.00	91.35	0.00	0.00	86	0	0	4,279	0	4,279
28+73	2873.00	23.00	101.82	0.00	0.00	82	0	0	4,361	0	4,361
28+98	2898.00	25.00	112.25	0.00	0.00	99	0	0	4,460	0	4,460
29+25	2925.00	27.00	121.88	0.00	0.00	117	0	0	4,577	0	4,577
29+50	2950.00	25.00	117.36	0.00	0.00	111	0	0	4,688	0	4,688
29+75	2975.00	25.00	112.60	0.00	0.00	106	0	0	4,794	0	4,794
30+00	3000.00	25.00	119.61	0.00	0.00	108	0	0	4,902	0	4,902
30+26	3026.00	26.00	93.40	0.00	0.00	103	0	0	5,005	0	5,005
30+50	3050.00	24.00	172.27	0.00	0.00	118	0	0	5,123	0	5,123
30+75	3075.00	25.00	151.28	0.00	0.00	150	0	0	5,273	0	5,273
31+00	3100.00	25.00	147.57	0.00	0.00	138	0	0	5,411	0	5,411
31+25	3125.00	25.00	123.56	0.00	0.00	126	0	0	5,537	0	5,537
31+50	3150.00	25.00	91.30	0.00	0.00	99	0	0	5,636	0	5,636
31+75	3175.00	25.00	142.58	0.00	0.00	108	0	0	5,744	0	5,744
32+00	3200.00	25.00	162.63	0.00	0.00	141	0	0	5,885	0	5,885
32+25	3225.00	25.00	104.40	0.00	0.00	124	0	0	6,009	0	6,009
32+50	3250.00	25.00	68.13	0.00	0.00	80	0	0	6,089	0	6,089
32+54.5	3254.50	4.50	70.92	0.00	0.00	12	0	0	6,101	0	6,101

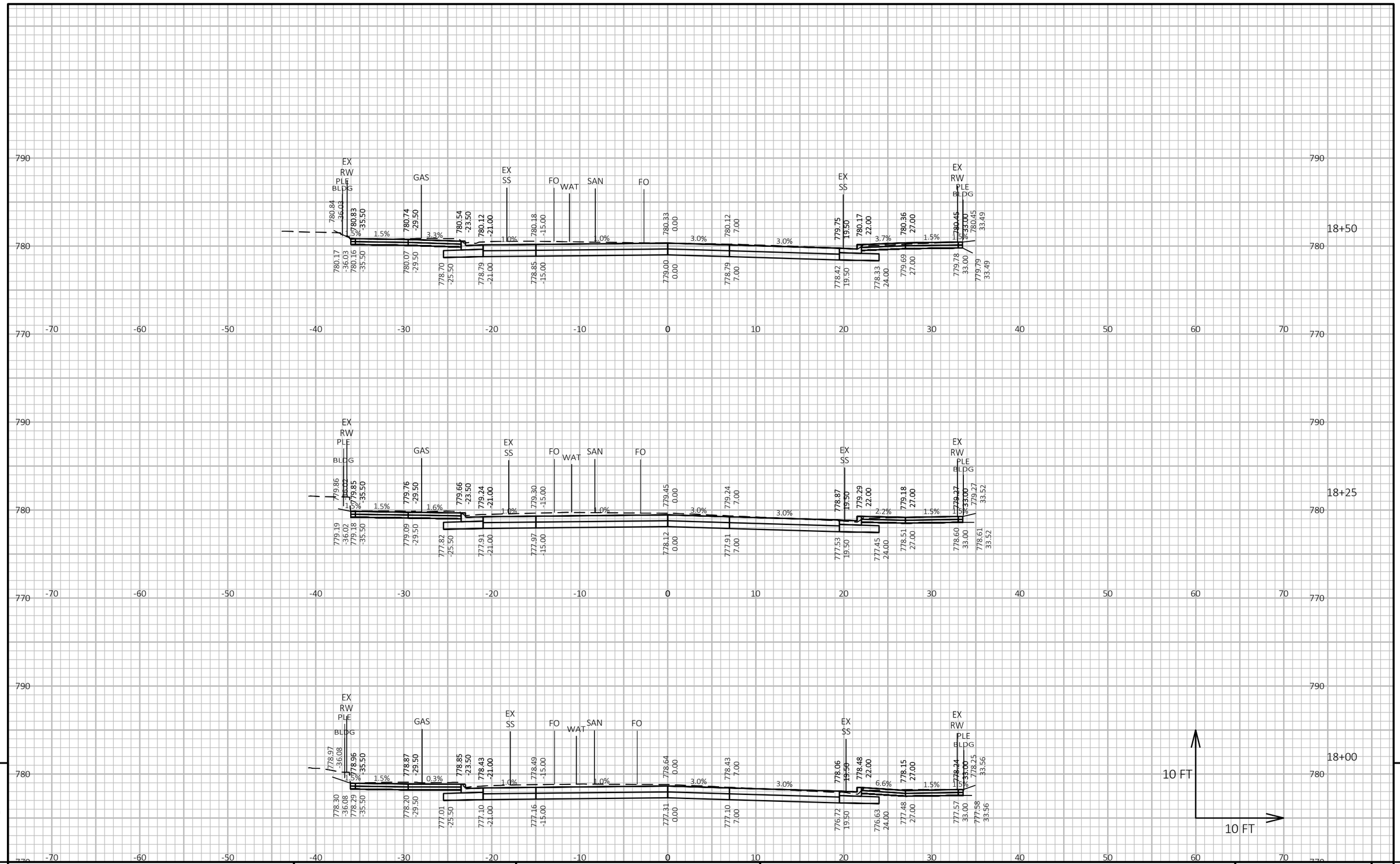


PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 266	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 3/31/2022 1:23 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 267	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090202-xs

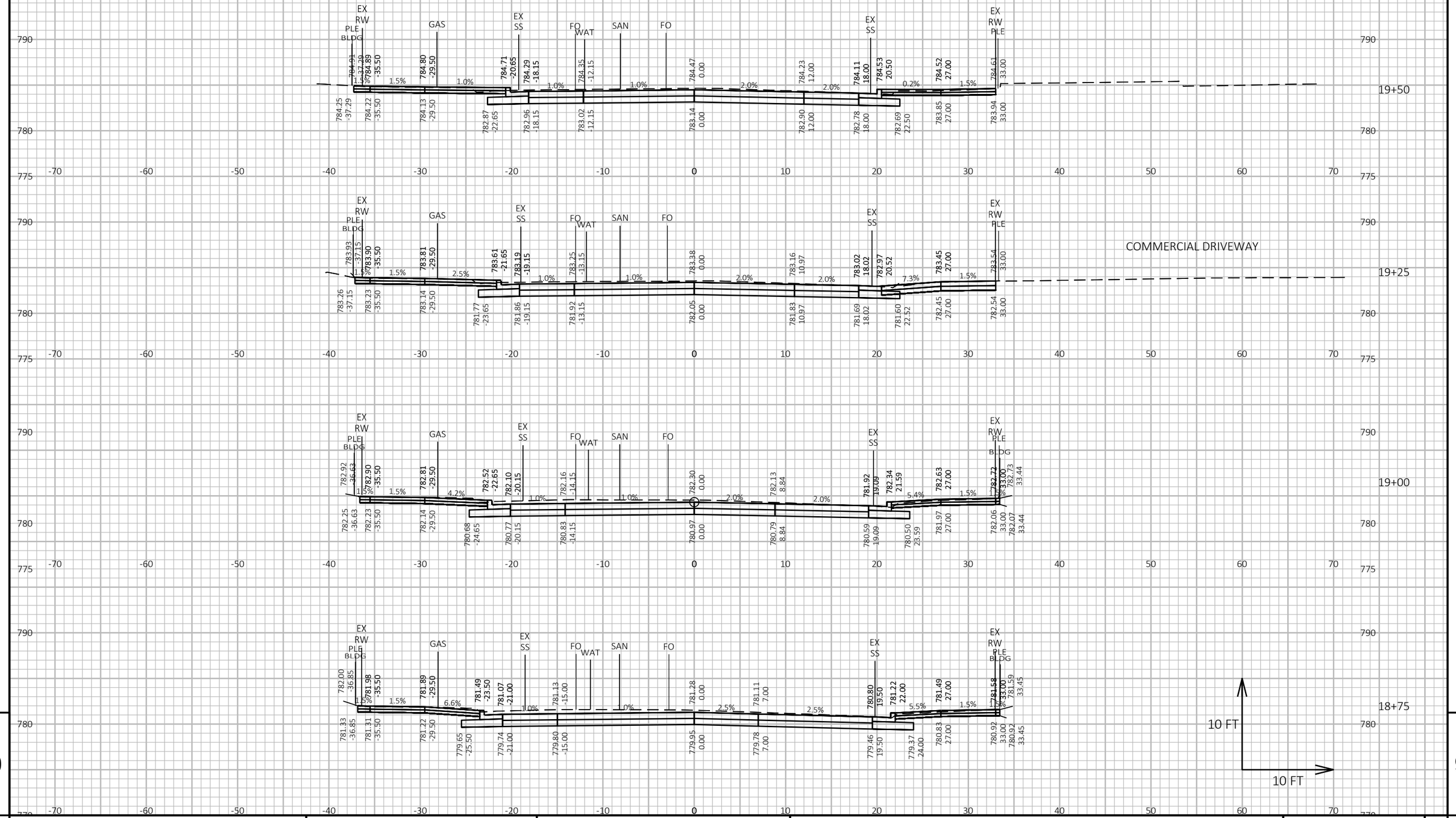
PLOT DATE : 3/31/2022 1:23 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 268	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090203-xs

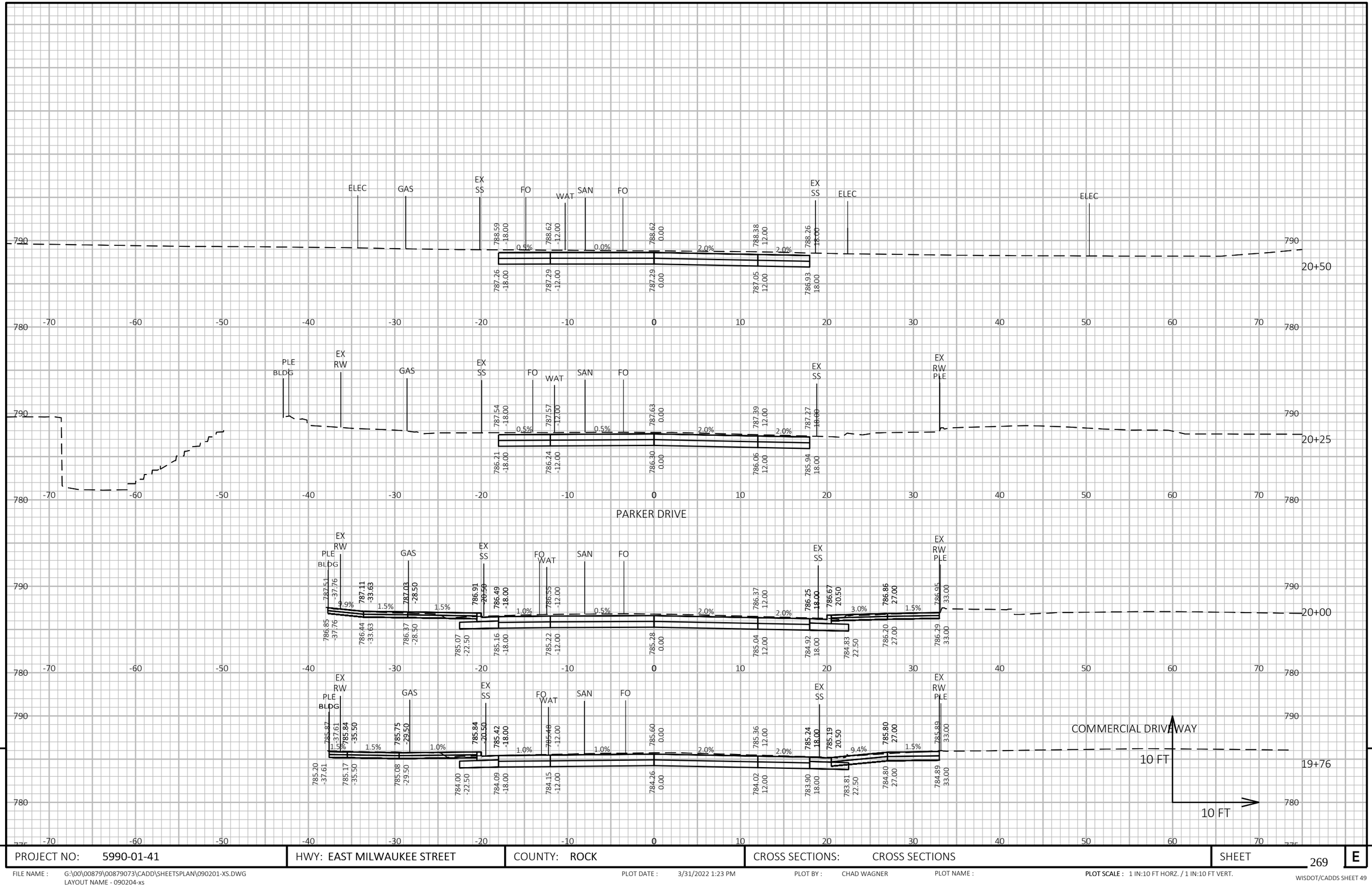
PLOT DATE : 3/31/2022 1:23 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 269	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090204-xs

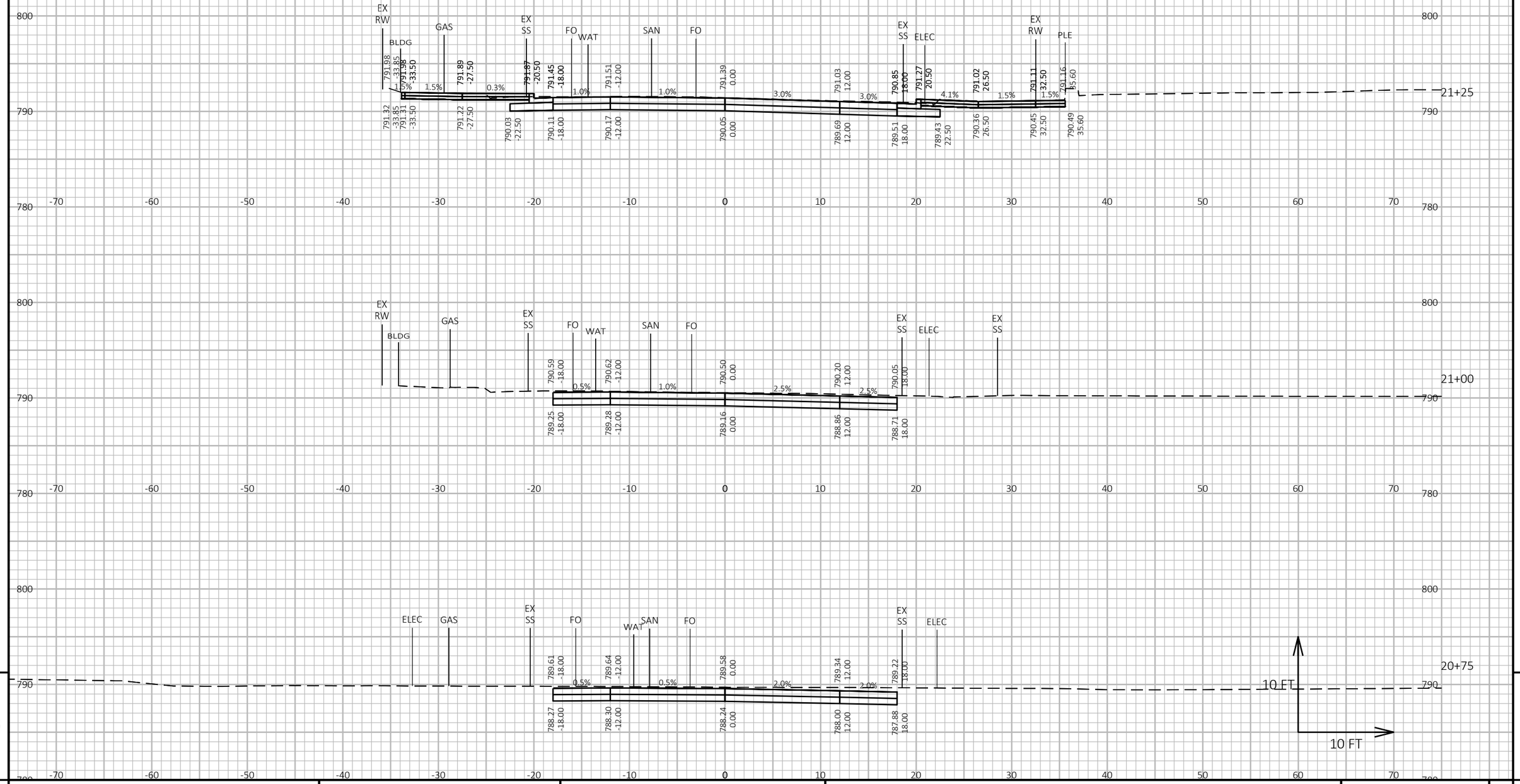
PLOT DATE : 3/31/2022 1:23 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 270	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090205-xs

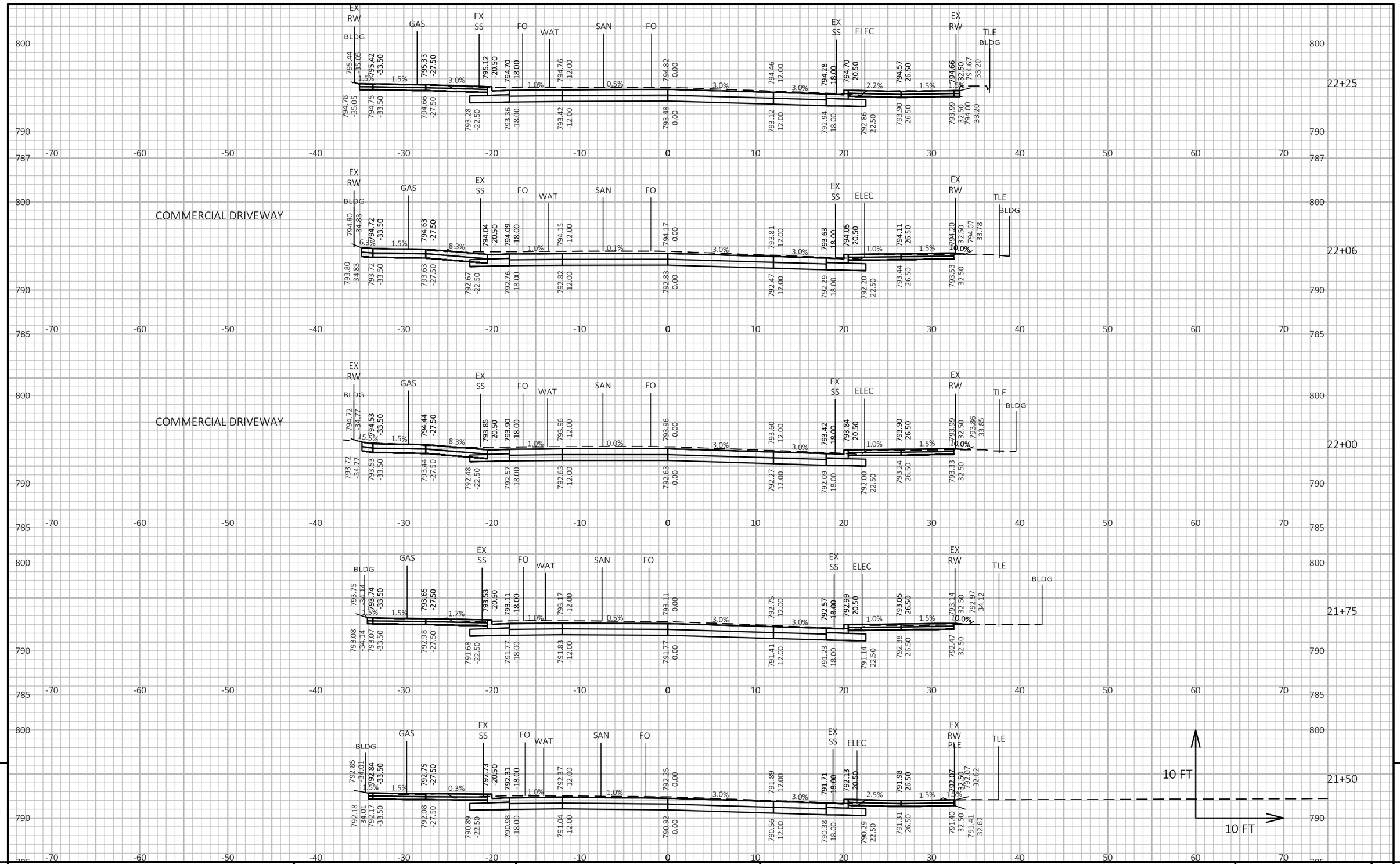
PLOT DATE : 3/31/2022 1:24 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 271	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090206-xs

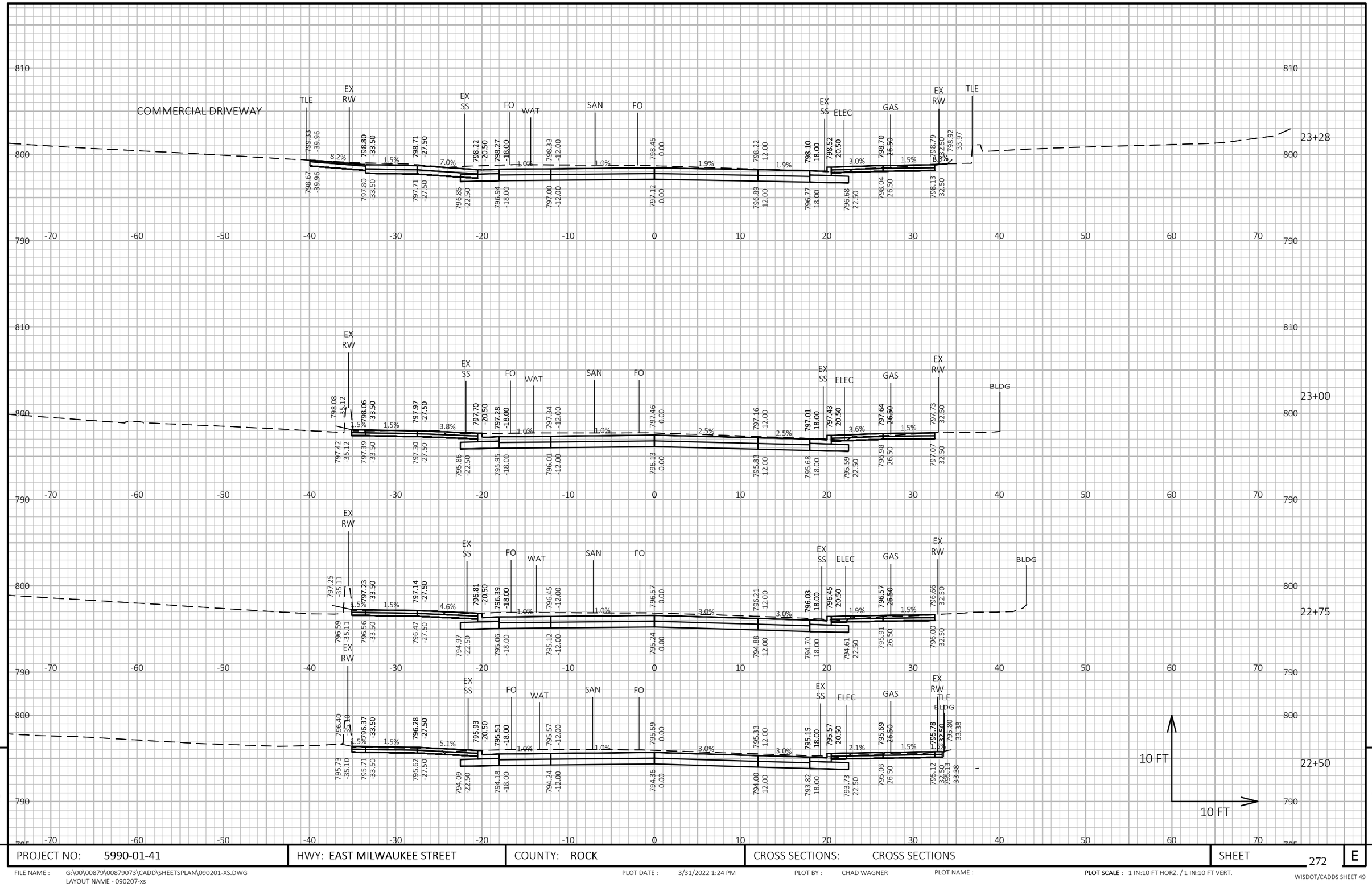
PLOT DATE : 3/31/2022 1:24 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

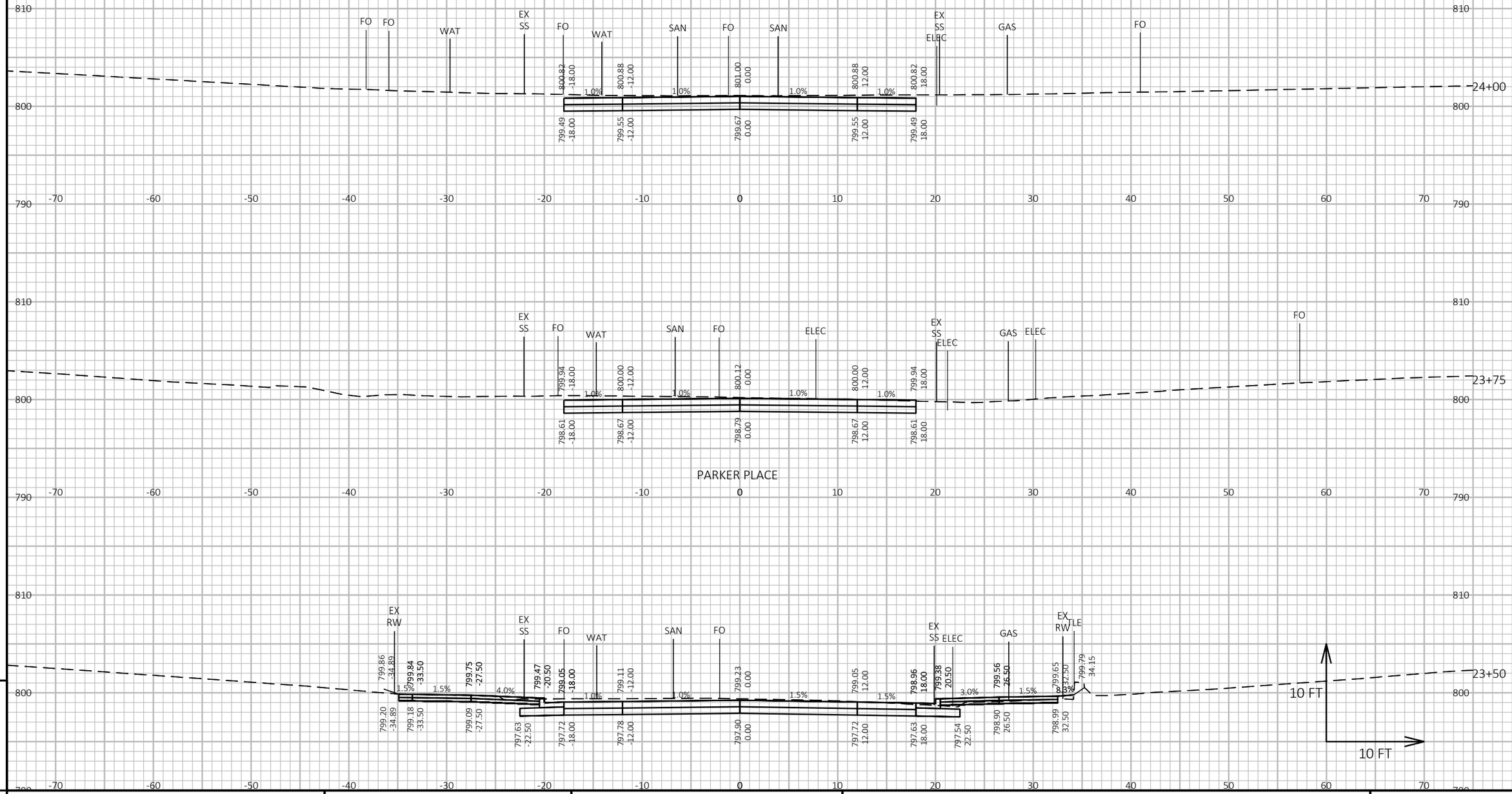


PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 272 E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 3/31/2022 1:24 PM PLOT BY : CHAD WAGNER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 273	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090208-xs

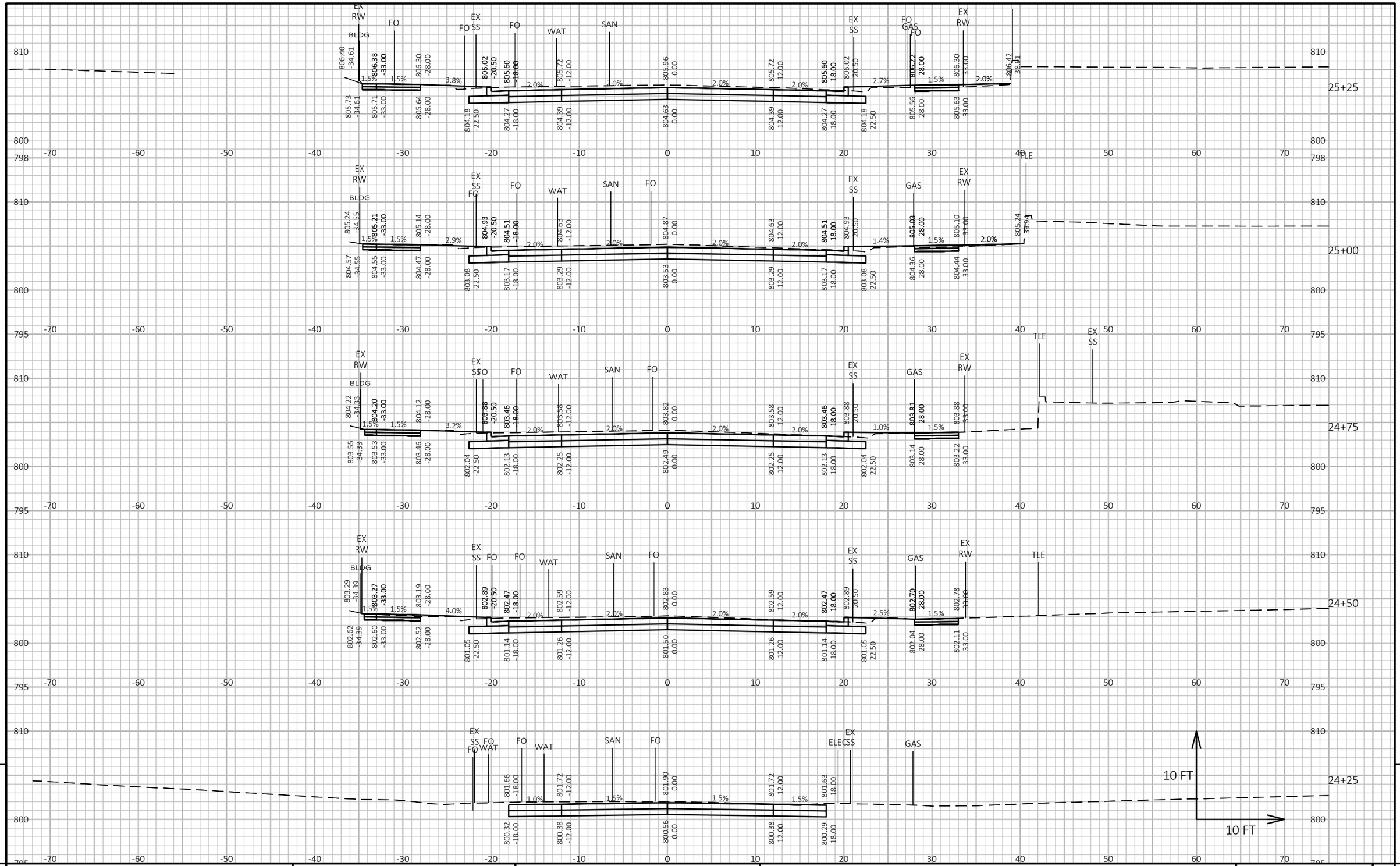
PLOT DATE : 3/31/2022 1:24 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 274 E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090209-xs

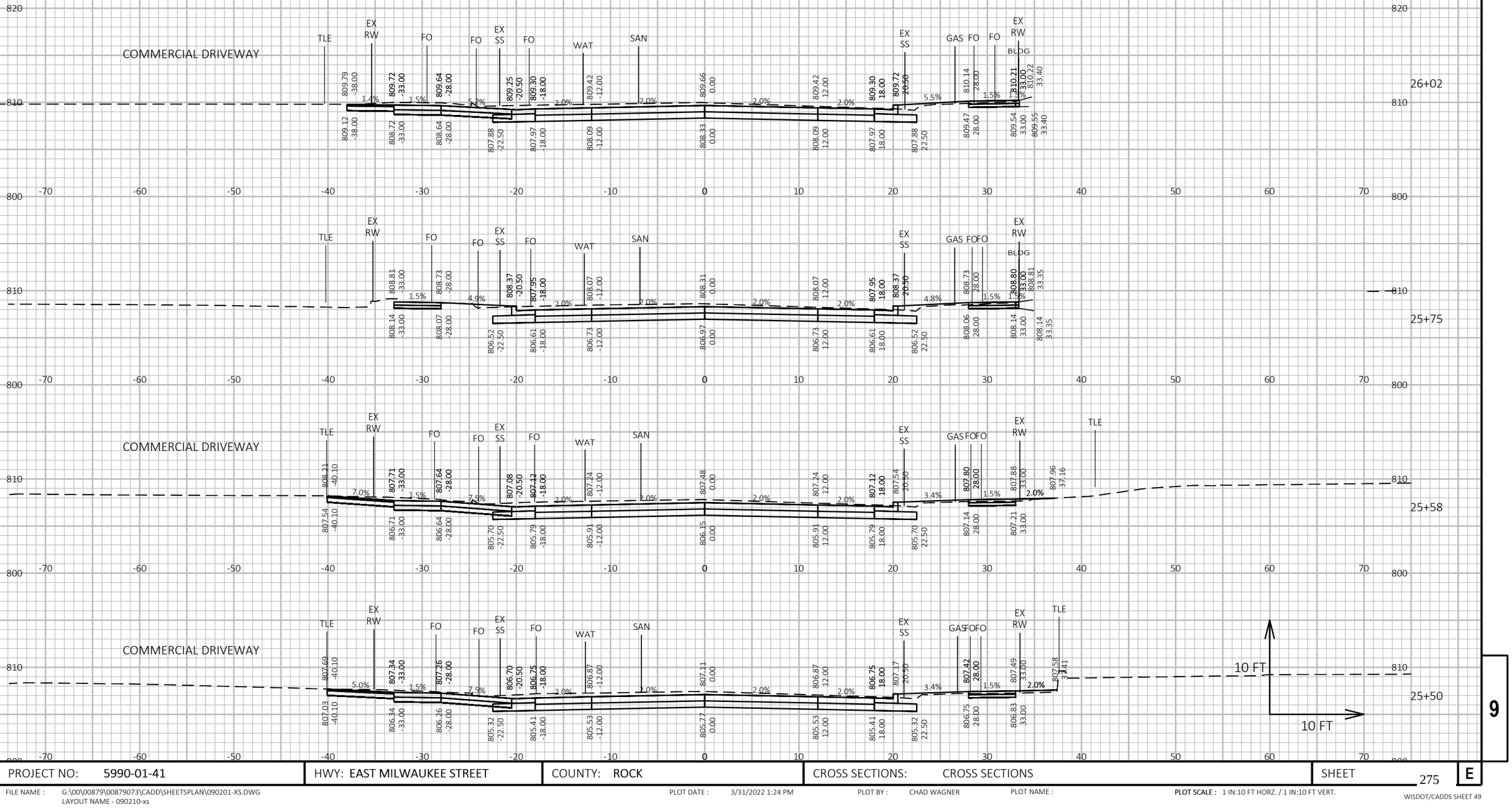
PLOT DATE : 3/31/2022 1:24 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 275	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090210-xs

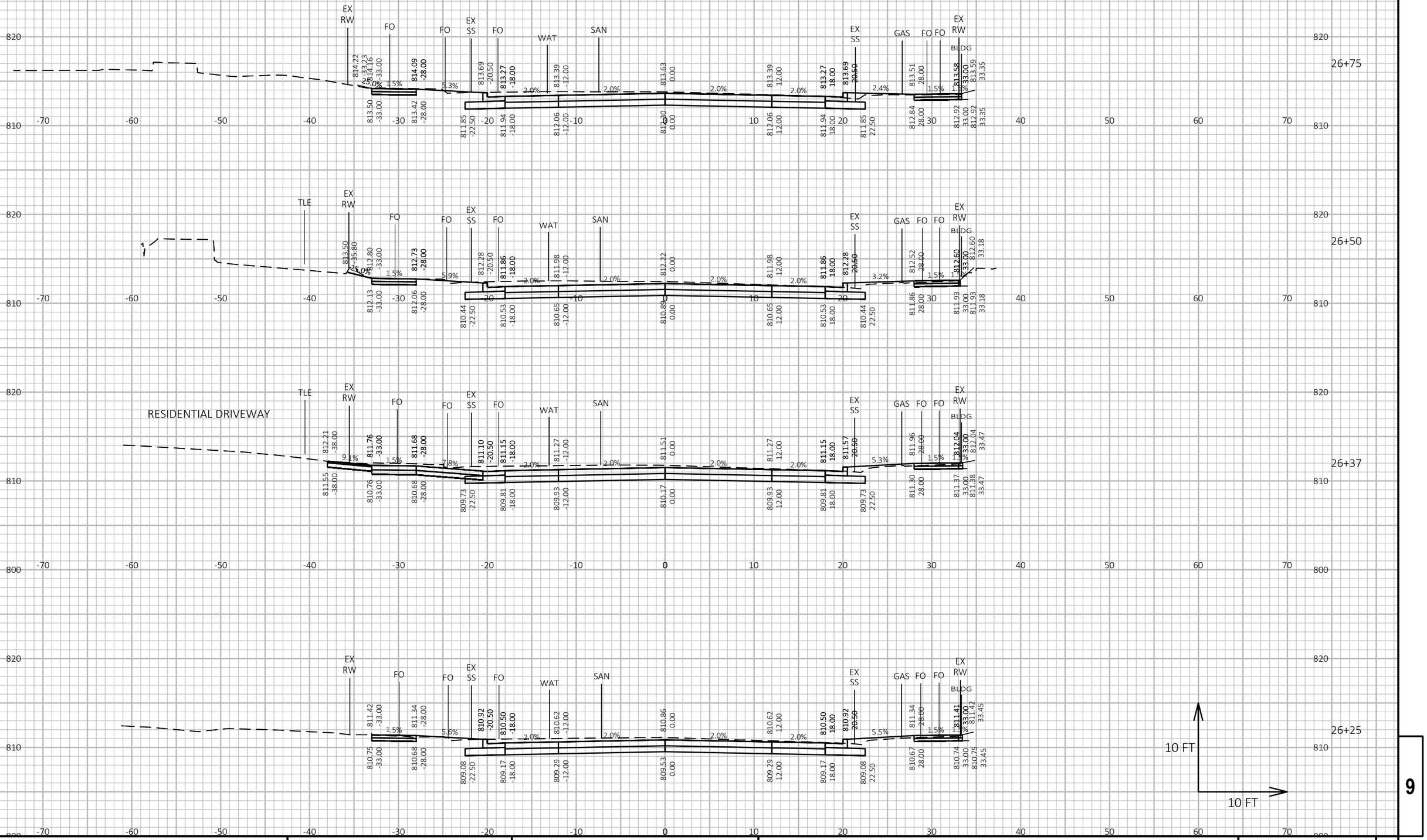
PLOT DATE : 3/31/2022 1:24 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 276	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090211-xs

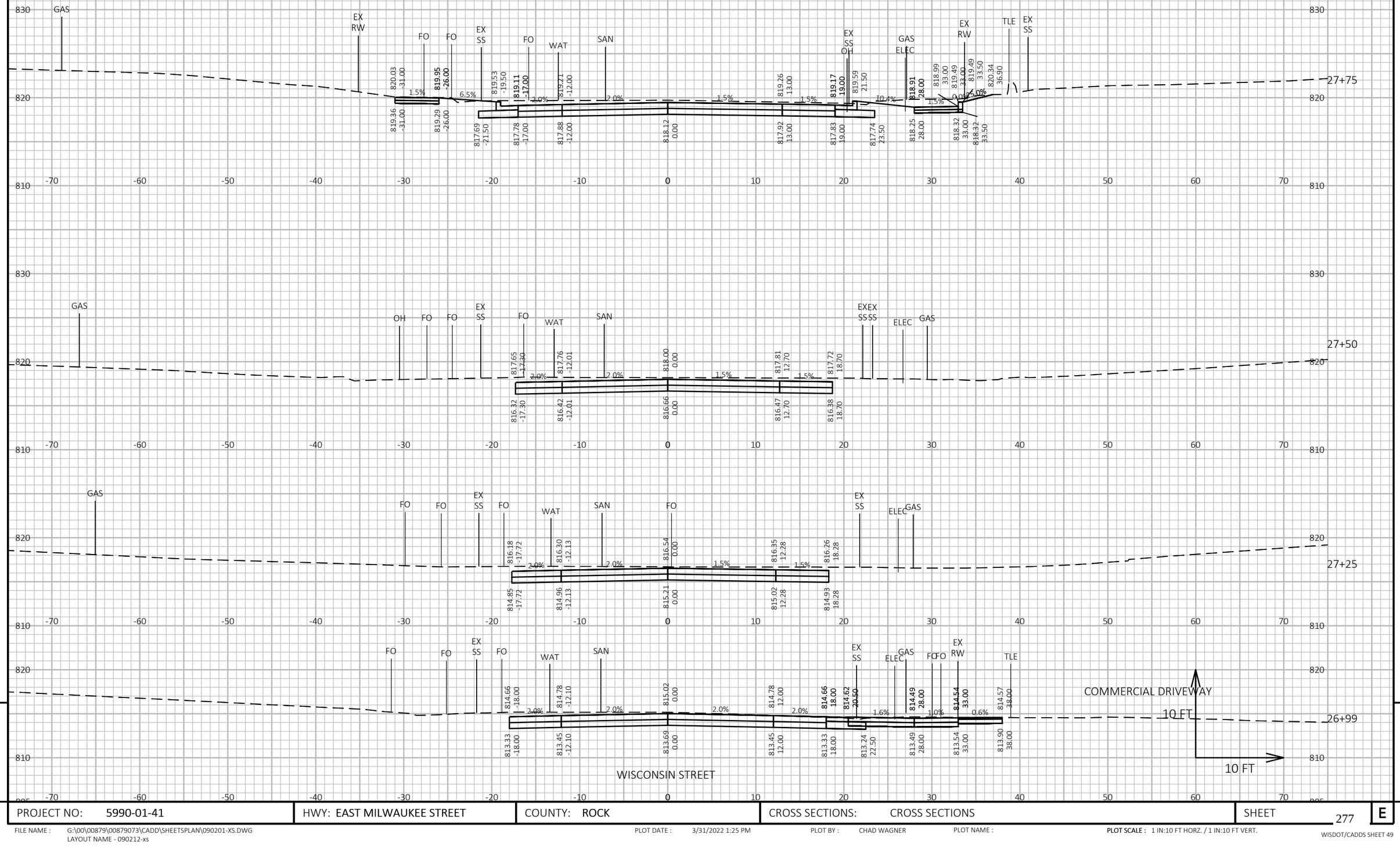
PLOT DATE : 3/31/2022 1:25 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 277	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
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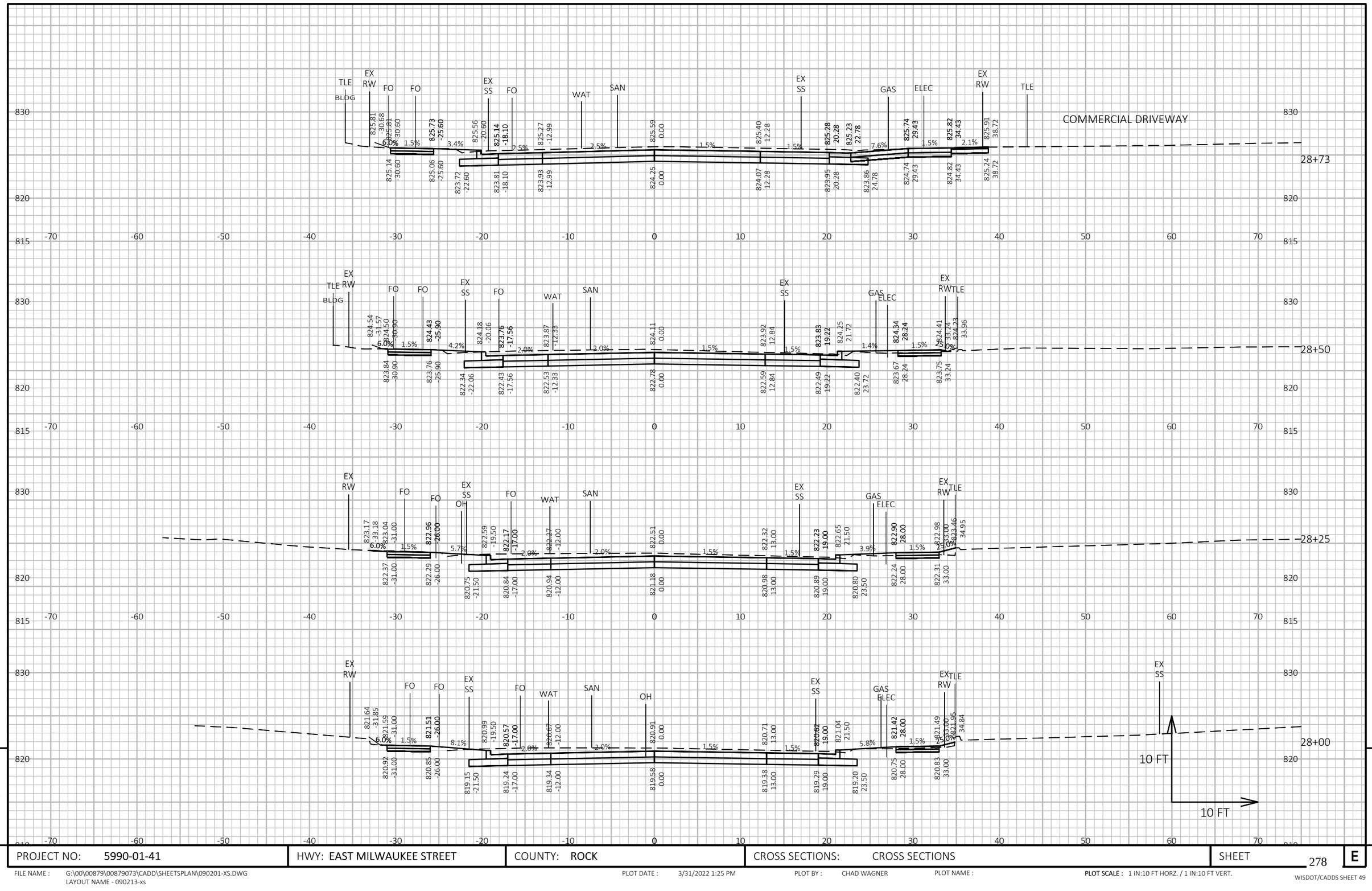
PLOT DATE : 3/31/2022 1:25 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

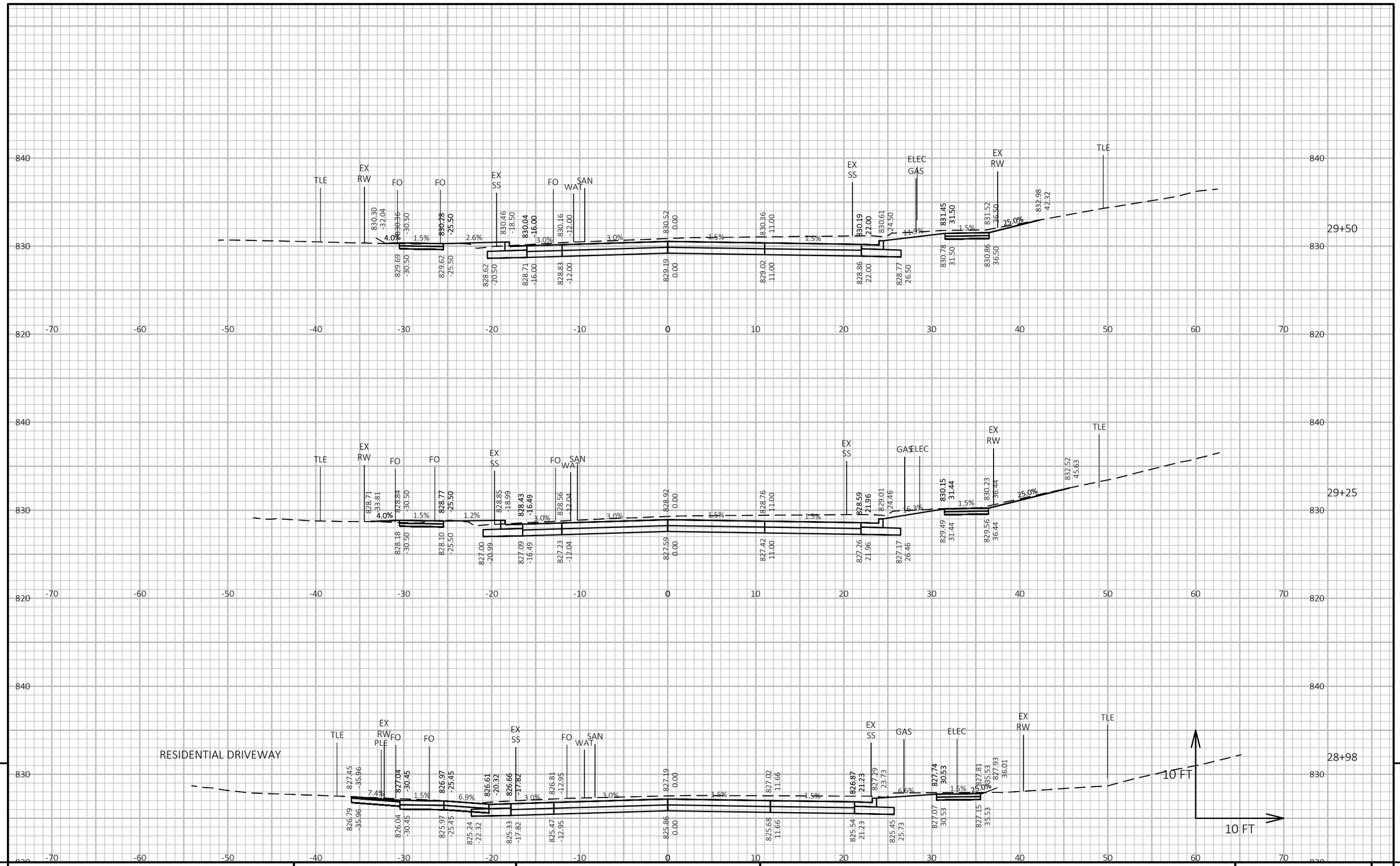


PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 278 E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090213-xs

PLOT DATE : 3/31/2022 1:25 PM PLOT BY : CHAD WAGNER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 279	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090214-xs

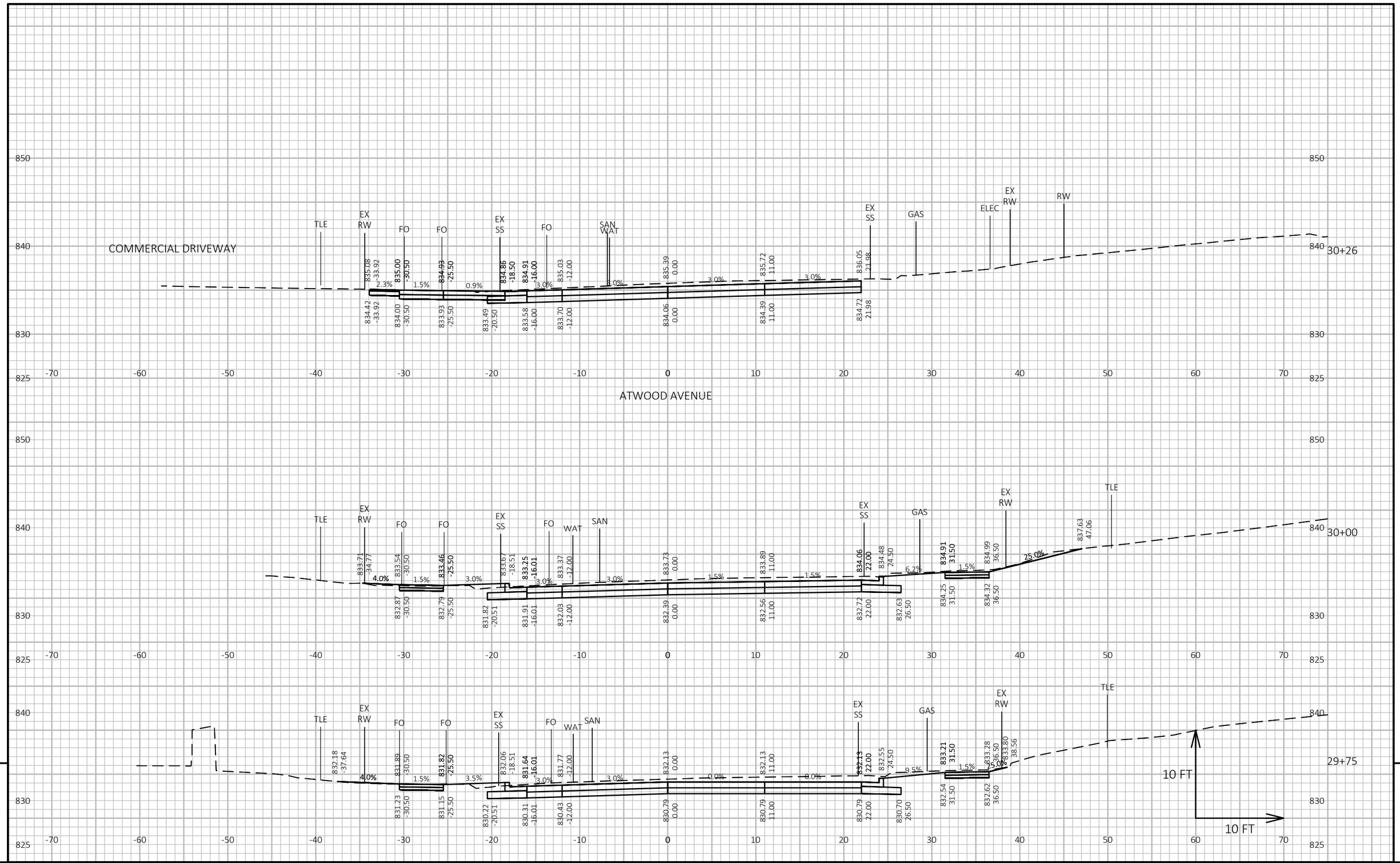
PLOT DATE : 3/31/2022 1:25 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 280	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090215-xs

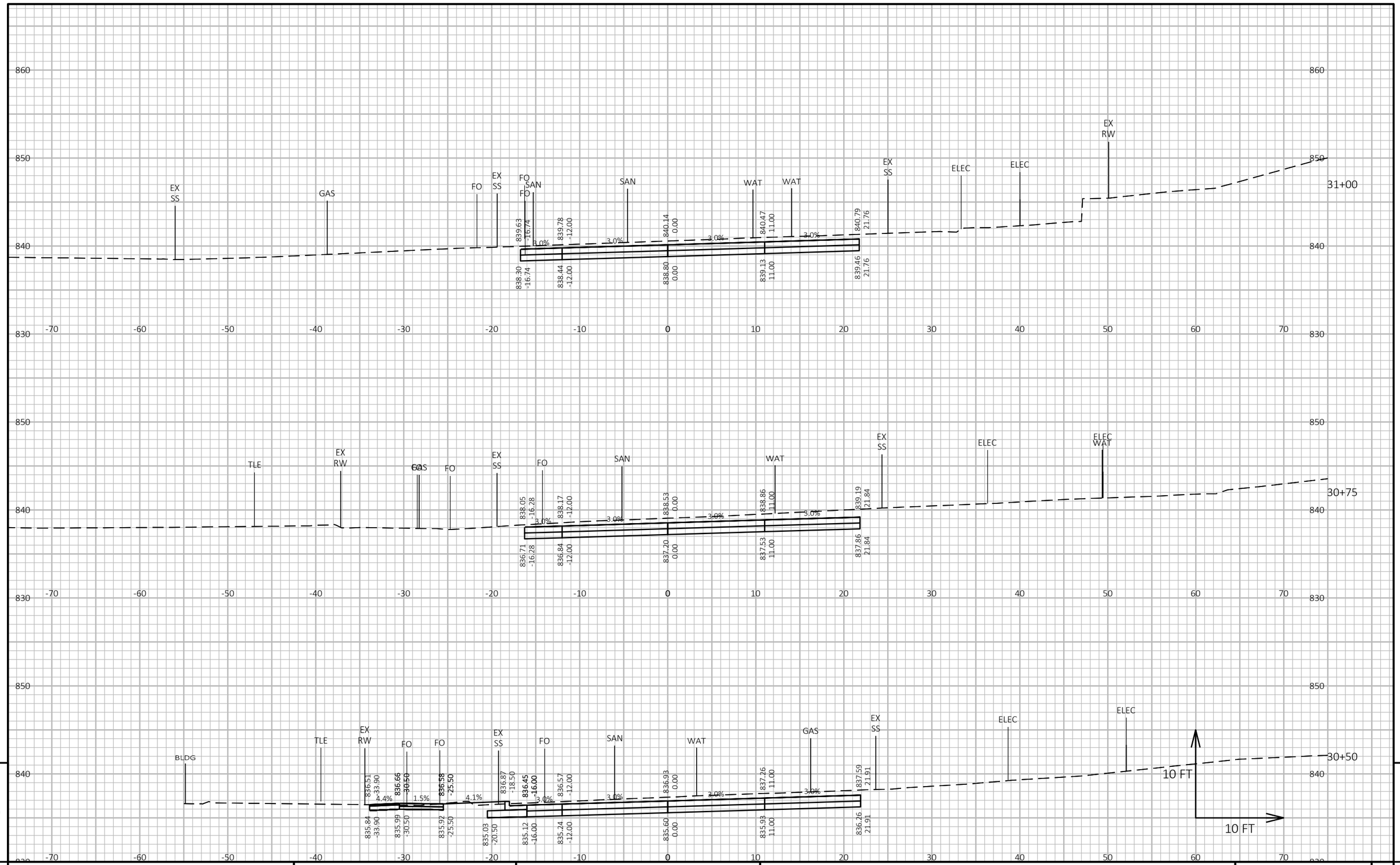
PLOT DATE : 3/31/2022 1:25 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 281	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090216-xs

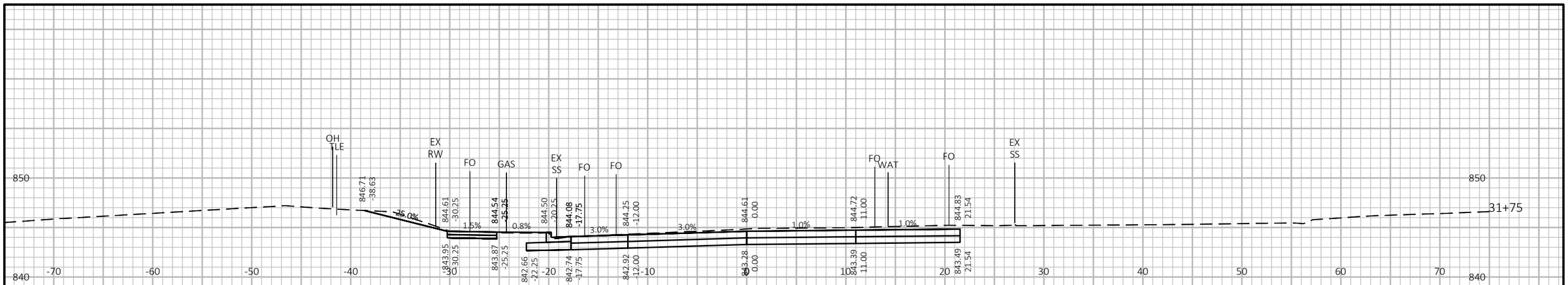
PLOT DATE : 3/31/2022 1:25 PM

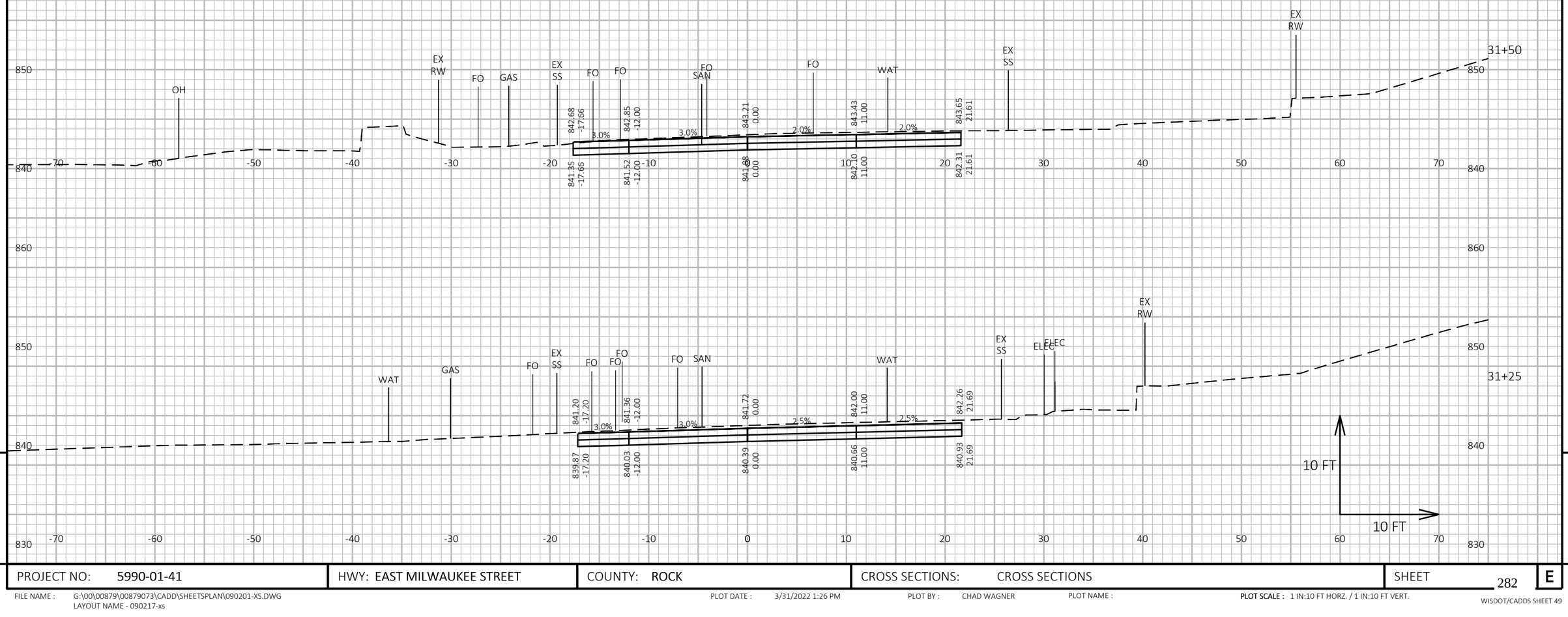
PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 282	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
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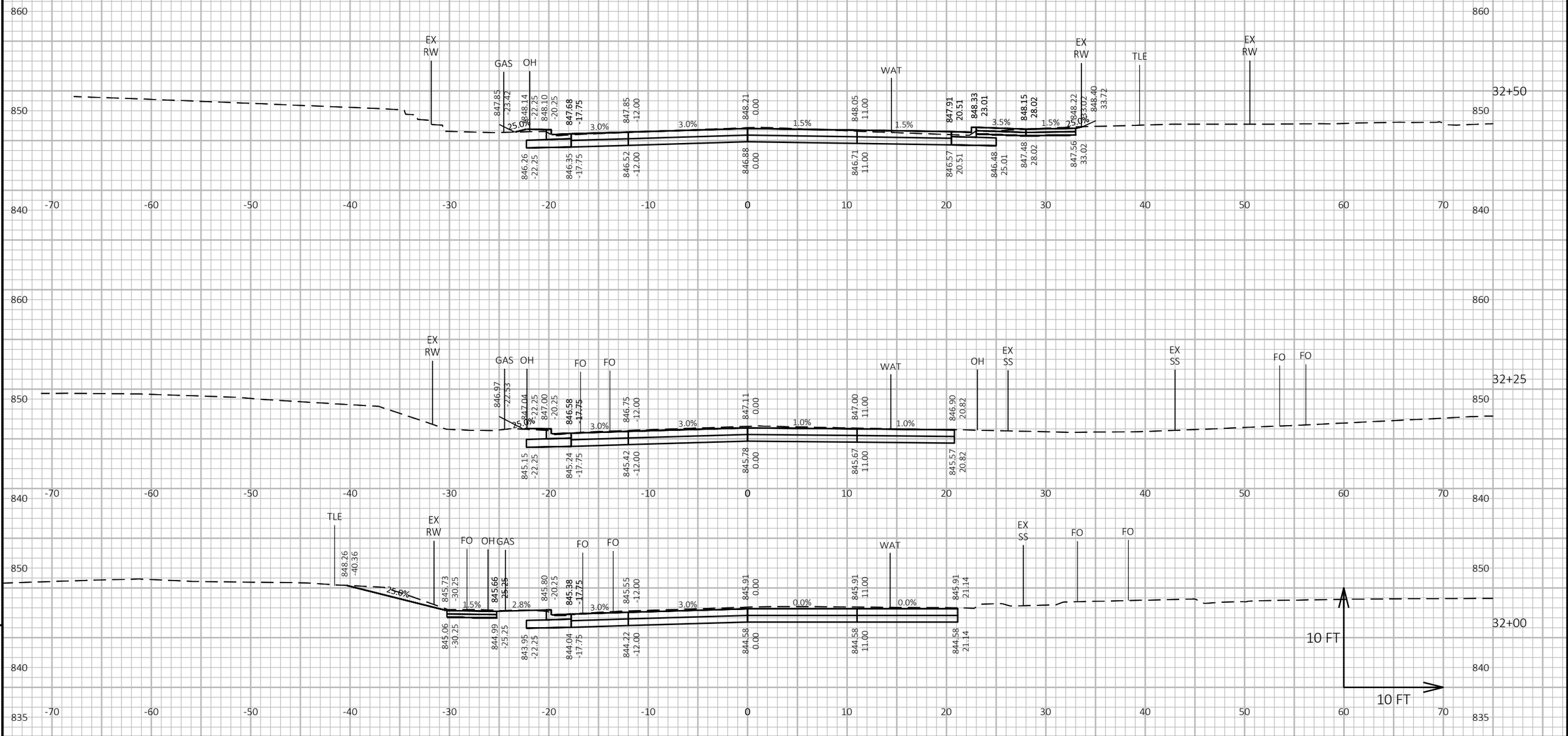
PLOT DATE : 3/31/2022 1:26 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



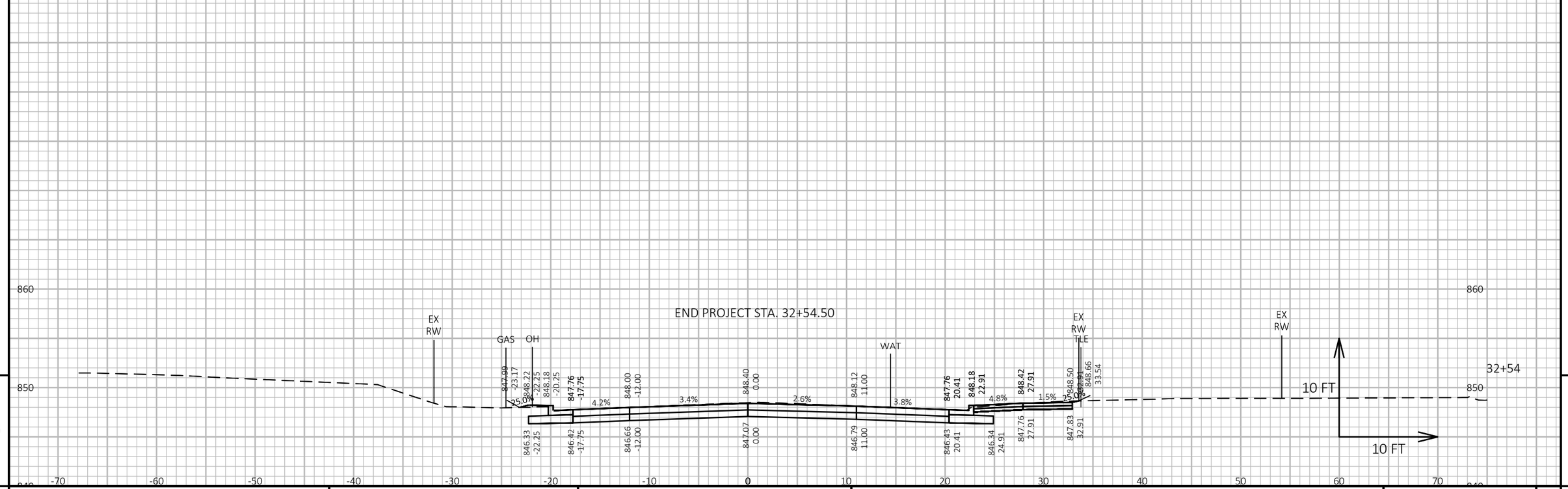
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PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 283	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090218-xs

PLOT DATE : 3/31/2022 1:26 PM PLOT BY : CHAD WAGNER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 5990-01-41	HWY: EAST MILWAUKEE STREET	COUNTY: ROCK	CROSS SECTIONS: CROSS SECTIONS	SHEET 284	E

FILE NAME : G:\00\00879\00879073\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090219-xs

PLOT DATE : 3/31/2022 1:26 PM

PLOT BY : CHAD WAGNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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