MARCH 2018

ORDER OF SHEETS

Title Section No. 1 Section No. 2 Typical Sections and Details

Estimate of Quantities Miscellaneous Quantitles

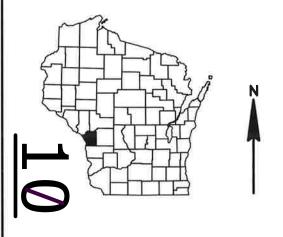
Plan and Profile (Includes Erosion Control Plan)

Standard Detail Drawings

Section No. 9 Computer Earthwork Data

Section No. 9 Cross Sections

TOTAL SHEETS = 122



DESIGN DESIGNATION

A.A.D.T. 2018 = 2000 A.A.D.T. 2038 = 2200 D.H.V. 2018 = 59-41 = 2.8% DESIGN SPEED = 30 MPH **ESALS** = 230,000

CONVENTIONAL SYMBOLS

(Box or Pipe)

MARSH AREA

COMBUSTIBLE FLUIDS

WOODED OR SHRUB AREA

PROFILE GRADE LINE CORPORATE LIMITS ORIGINAL GROUND PROPERTY LINE MARSH OR ROCK PROFILE LOT LINE (To be noted as such) SPECIAL DITCH LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY GRADE ELEVATION PROPOSED OR NEW R/W LINE CULVERT (Profile View) SLOPE INTERCEPT UTILITIES REFERENCE LINE ELECTRIC EXISTING CULVERT FIBER OPTIC PROPOSED CULVERT

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

STORM SEWER

TELEPHONE

POWER POLE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C LA CROSSE, 6TH STREET SOUTH

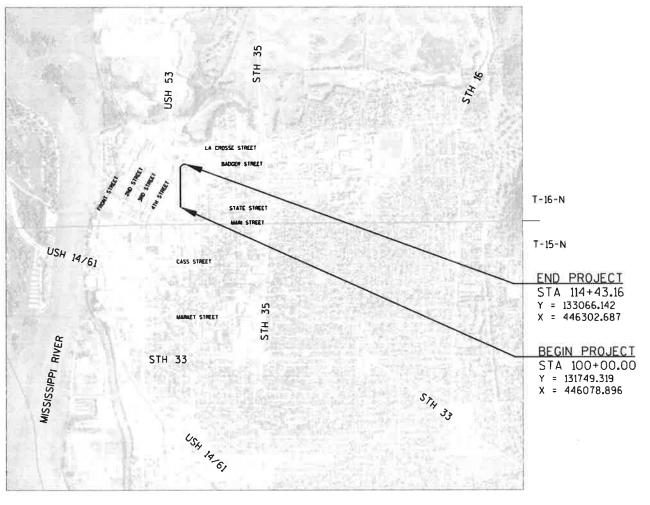
(BADGER STREET TO STATE STREET)

LOCAL STREET

LA CROSSE COUNTY

STATE PROJECT NUMBER 5991-05-28

R-7-W



0.5 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.273 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, LA CROSSE COUNTY, NAD83 (1996), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FEDERAL PROJECT STATE PROJECT **PROJECT** CONTRACT WISC 2018140 5991-05-28

ACCEPTED FOR

ORIGINAL PLANS PREPARED BY:



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

Designer

2

ORDER OF TYPICAL SECTION & DETAIL SHEETS

1. GENERAL NOTES

PERMANENT SIGNING

2. PROJECT OVERVIEW

- 8. LIGHTING PLAN
- 3. TYPICAL SECTIONS
- PAVEMENT MARKING
- 4. CONSTRUCTION DETAILS
- TRAFFIC CONTROL

PLAN DETAILS

11. DETOUR PLAN

PAVING DETAIL

STANDARD ABBREVIATIONS

| AC | ACRE | INL | INLET |
|--|-------------------------------|--------------|--------------------------|
| AGG | AGGREGATE | INV | INVERT |
| AH | AHEAD | JCT | JUNCTION |
| AADT | ANNUAL AVERAGE DAILY TRAFFIC | LT | LEFT |
| ASPH | ASPHALTIC | L | LENGTH OF CURVE |
| AVG | AVERAGE | LIN FT or LF | LINEAR FOOT |
| BK | BACK | LS | LUMP SUM |
| BAD | BASE AGGREGATE DENSE | NC | NORMAL CROWN |
| BM | BENCH MARK | N | NORTH |
| BR | BRIDGE | NB | NORTHBOUND |
| CL or C/L | CENTER LINE | NO | NUMBER |
| CE | COMMERCIAL ENTRANCE | PT | POINT |
| CONC | CONCRETE | PC | POINT OF CURVATURE |
| CO | COUNTY | PI | POINT OF INTERSECTION |
| CTH | COUNTY TRUNK HIGHWAY | PT | POINT OF TANGENCY |
| CR | CREEK | PCC | PORTLAND CEMENT CONCRETE |
| CABC | CRUSHED AGGREGATE BASE COURSE | LB | POUND |
| CY or CUYD | CUBIC YARD | PE | PRIVATE ENTRANCE |
| CULV | CULVERT | R | RADIUS |
| CP | CULVERT PIPE | RL or R/L | REFERENCE LINE |
| C & G | CURB AND GUTTER | RT | RIGHT |
| D | DEGREE OF CURVE | R/W | RIGHT-OF-WAY |
| DIA | DIAMETER | RD | ROAD |
| DISCH | DISCHARGE | SHLDR | SHOULDER |
| E | EAST | SB | SOUTHBOUND |
| EB | EASTBOUND | SF or SQ FT | SQUARE FEET |
| EL or ELEV | ELEVATION | SY or SQ YD | SQUARE YARD |
| EW | ENDWALL | SDD | STANDARD DETAIL DRAWINGS |
| ENT | ENTRANCE | STH | STATE TRUNK HIGHWAYS |
| EXC | EXCAVATION | SE | SUPERELEVATION |
| EX | EXISTING | T | TANGENT |
| FERT | FERTILIZER | TEMP | TEMPORARY |
| FE | FIELD ENTRANCE | USH | UNITED STATES HIGHWAY |
| FL or F/L | FLOW LINE | V | VELOCITY OR DESIGN SPEED |
| FT | FOOT | VC | VERTICAL CURVE |
| HMA | HOT MIX ASPHALT | WB | WESTBOUND |
| CWT | HUNDREDWEIGHT | YD | YARD |
| | | | |

GENERAL NOTES

- ALL RADII ARE MEASURED TO EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN OR NOTED ON THE PLAN.
- ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION. ANY CONFLICTING SIGNS SHALL BE COVERED OR REMOVED.
- TYPICAL SECTIONS SHOW THE GENERAL FEATURES THROUGHOUT THE PROJECT. PAVEMENT SLOPES, TERRACE SLOPES, ETC., MAY VARY WITHIN THE LIMITS OF THE SECTION.
- DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE SALVAGED TOPSOILED, FERTILIZED, AND SEEDED AS DIRECTED BY THE ENGINEER.
- WHEN PORTIONS OF EXISTING ASPHALTIC SURFACES ARE TO BE REMOVED TO ACCOMMODATE NEW CONSTRUCTION, THE LINE OF SUCH REMOVAL SHALL BE NEATLY DELINEATED WITH A SAW CUT JOINT THROUGH THE ASPHALTIC SURFACE SO THAT REMOVAL OF THE ASPHALT SHALL BE ACCOMPLISHED WITHOUT DAMAGE TO REMAINING PORTIONS. THE LOCATION OF SAW JOINTS AND THE AMOUNT REMOVED AT SIDE ROADS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- CROSS SLOPES AS SHOWN ON THE TYPICAL SECTION WILL VARY AT THE INTERSECTIONS.
- CURVE DATA IS BASED ON ARC DEFINITION.
- NO TREES OR SHRUBS SHALL BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE BEEN DESIGNATED FOR REMOVAL BY THE ENGINEER.
- INLET GRATE ELEVATIONS REFERRED TO ON INLET NOTES ARE GUTTER FLOW LINE ELEVATIONS.
- THE EXACT LOCATION OF PRIVATE AND COMMERCIAL ENTRANCES ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- PLAN ELEVATIONS = USGS DATUM 83.
- BEARINGS SHOWN ON THE PLAN ARE GRID BEARINGS TO THE NEAREST SECOND.
- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE MANHOLE COVERS, WATER VALVES AND OTHER UTILITIES IN THE EXISTING PAVEMENT DURING PAVEMENT REMOVAL. NECESSARY WORK TO PROTECT UTILITIES DURING PAVEMENT REMOVAL IS INCIDENTAL TO PAVEMENT REMOVAL ITEMS.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES EXCEPT WHEN CONCRETE PAVING REQUIRES DRIVEWAY TO BE CLOSED.
- TRANSVERSE CONCRETE JOINT DESIGN AND FIELD LAYOUT TO BE PAID FOR UNDER "CONCRETE PAVEMENT JOINT LAYOUT".

PROJECT NO:5991-05-28

HWY: 6TH STREET

COUNTY: LA CROSSE

GENERAL NOTES

PLOT BY : CORONA WOYCHIK

SHEET

PLOT SCALE : 1 IN:10 FT

FILE NAME : W:\59910527\C3D\SHEETSPLAN\020101-GN.DWG

PLOT DATE: 12/19/2017 3:48 PM

PLOT NAME :

Ε

AREA CONTACTS

DESIGN CONTACT ISG WisDNR: LA CROSSE COUNTY
DNR SERVICE CENTER

ATTN: MR. WILL KRATT 201 MAIN ST, SUITE 1020 ATTN: MS. KAREN KALVELAGE 3550 MORMON COULEE RD LA CROSSE, WI 54601

LA CROSSE, WI 54601 PHONE: 608-789-2034

PHONE: 608-785-9115

WILL.KRATT@IS-GRP.COM

KAREN.KALVELAGE@WISCONSIN.GOV

CITY OF LA CROSSE

ATTN: MR. MATT GALLAGER 400 LA CROSSE STREET

4TH FLOOR

LA CROSSE, WI 54601 PHONE: 608-789-7505

GALLAGERM@CITYOFLACROSSE.ORG

UTILITY CONTACTS

CITY OF LA CROSSE - WATER ATTN: MR. MARK GRAFF 400 LA CROSSE ST LA CROSSE, WI 54601

608-789-7384

GRAFFM@CITYOFLACROSSE.ORG

CENTURYLINK - COMMUNICATION LINE

ATTN: MR. TOM MURRAY 333 N FRONT ST LA CROSSE, WI 54601

608-796-7869

TOM.L.MURRAY@CENTURYLINK.COM

CHARTER COMMUNICATIONS - COMMUNICATION LINE

ATTN: MR. PERRY McCLELLAN 1228 12TH AVE S

ONALASKA, WI 54650 608-317-6213

PERRY.MCCLELLAN@CHARTER.COM

CITY OF LA CROSSE - SEWER ATTN: MR. STEVE ASP 400 LA CROSSE ST LA CROSSE, WI 54601

608-789-7324

ASPS@CITYOFLACROSSE.ORG

CITY OF LA CROSSE - COMMUNICATION LINE

ATTN: MR. JIM SPEROPULOS 400 N 4TH ST, RM 1370 LA CROSSE, WI 54601

608-785-9770

JSPEROPULOS@LACROSSECOUNTY.ORG

XCEL ENERGY, INC. - GAS AND ELECTRIC

ATTN: MR. JAYMIE HOLTE 3215 COMMERCE ST LA CROSSE, WI 54603

608-789-3698

JAYMIE.L.HOLTE@XCELENERGY.COM

** Denotes utilities that are not Diggers Hotline members



PROJECT NO:5991-05-28 HWY:6TH STREET COUNTY:LA CROSSE GENERAL NOTES SHEET **E**

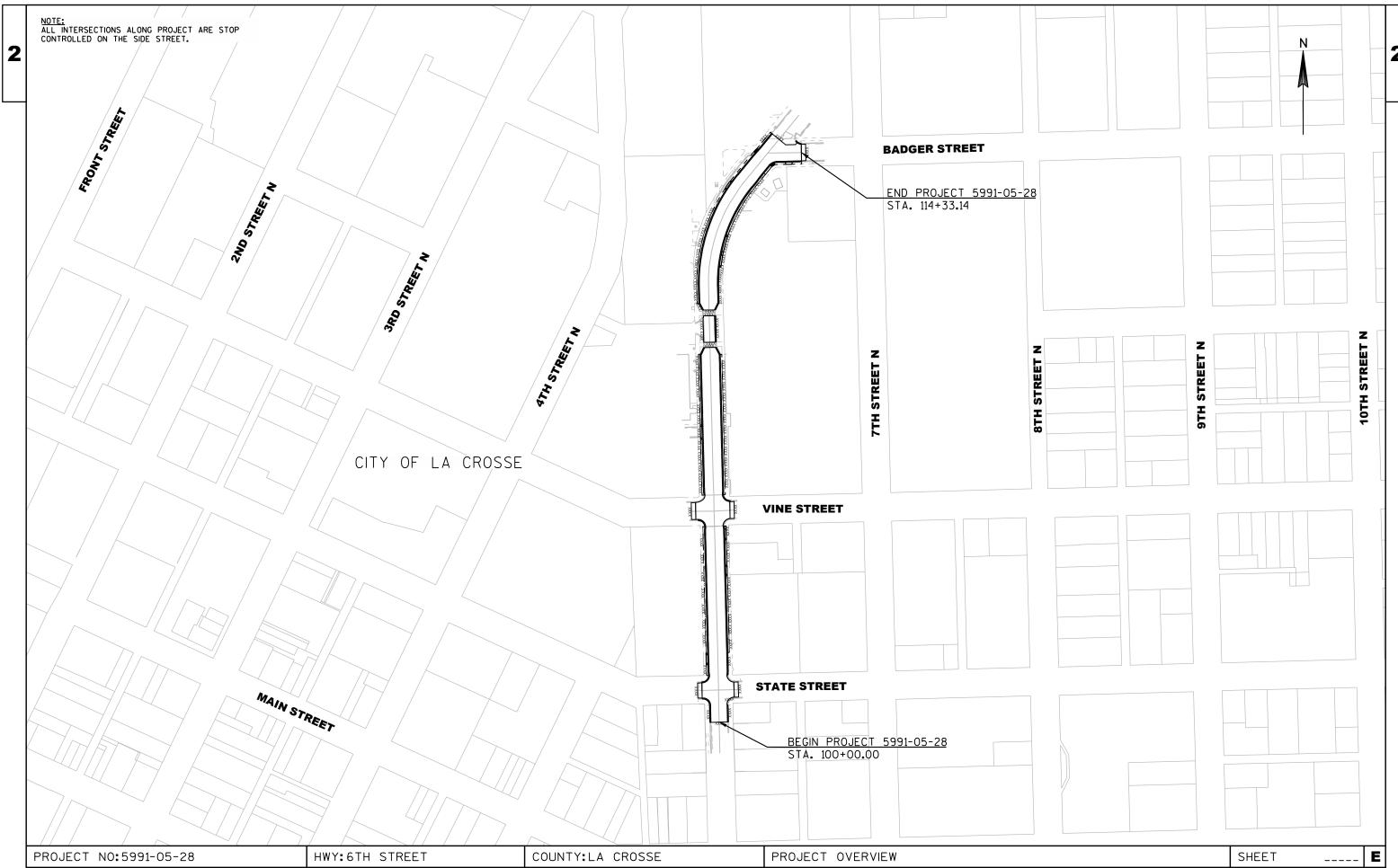
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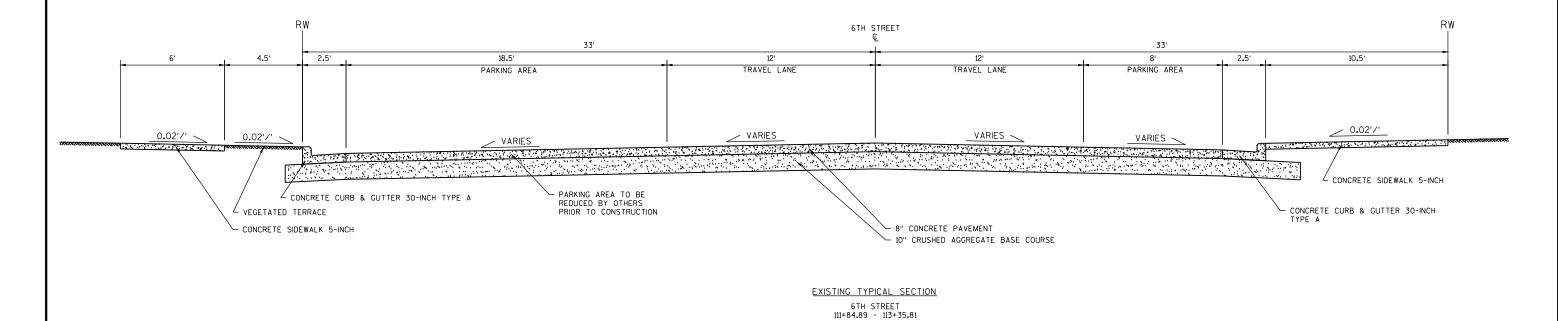
PLOT BY : CORONA WOYCHIK

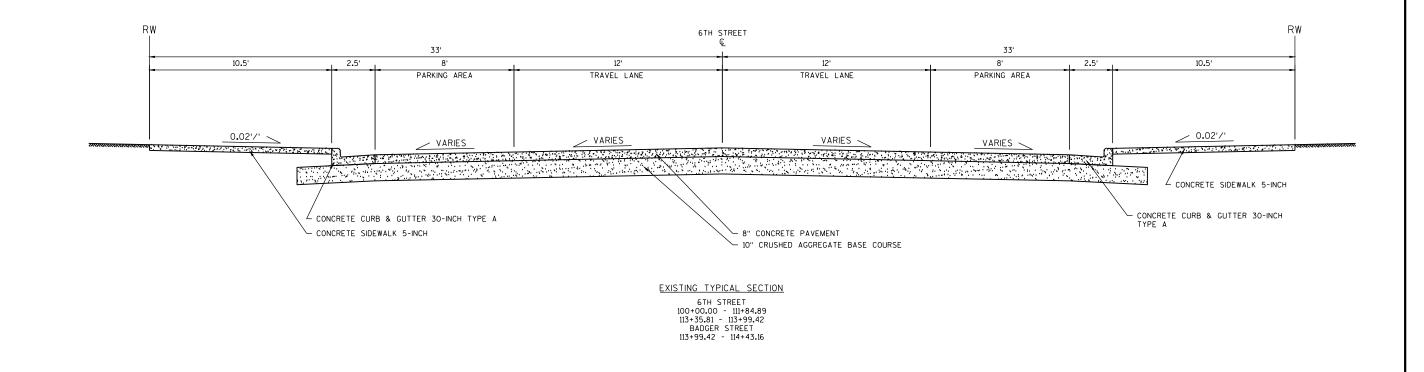
PLOT NAME :

PLOT SCALE : 1 IN:10 FT



2





HWY:6TH STREET

PROJECT NO:5991-05-28

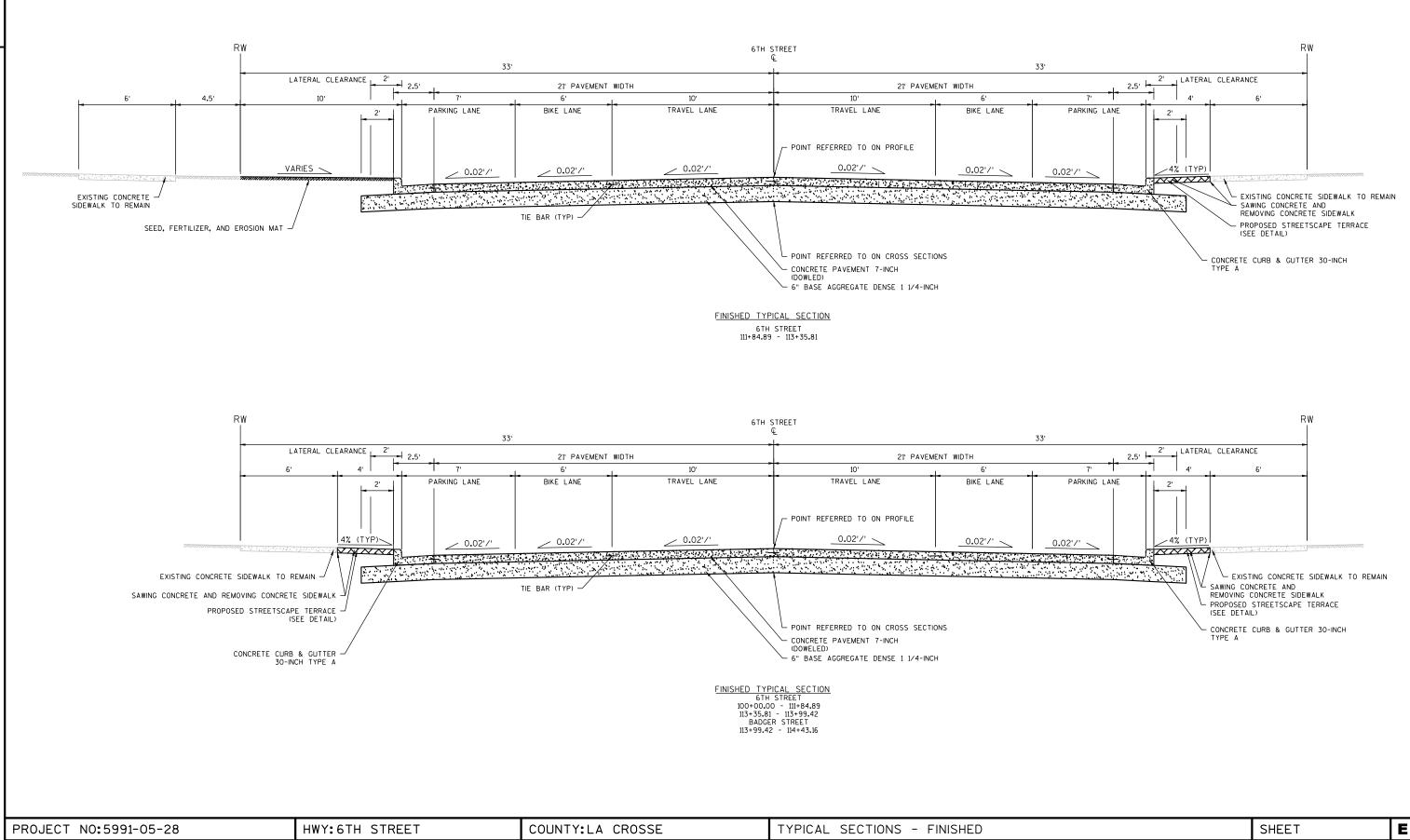
COUNTY:LA CROSSE

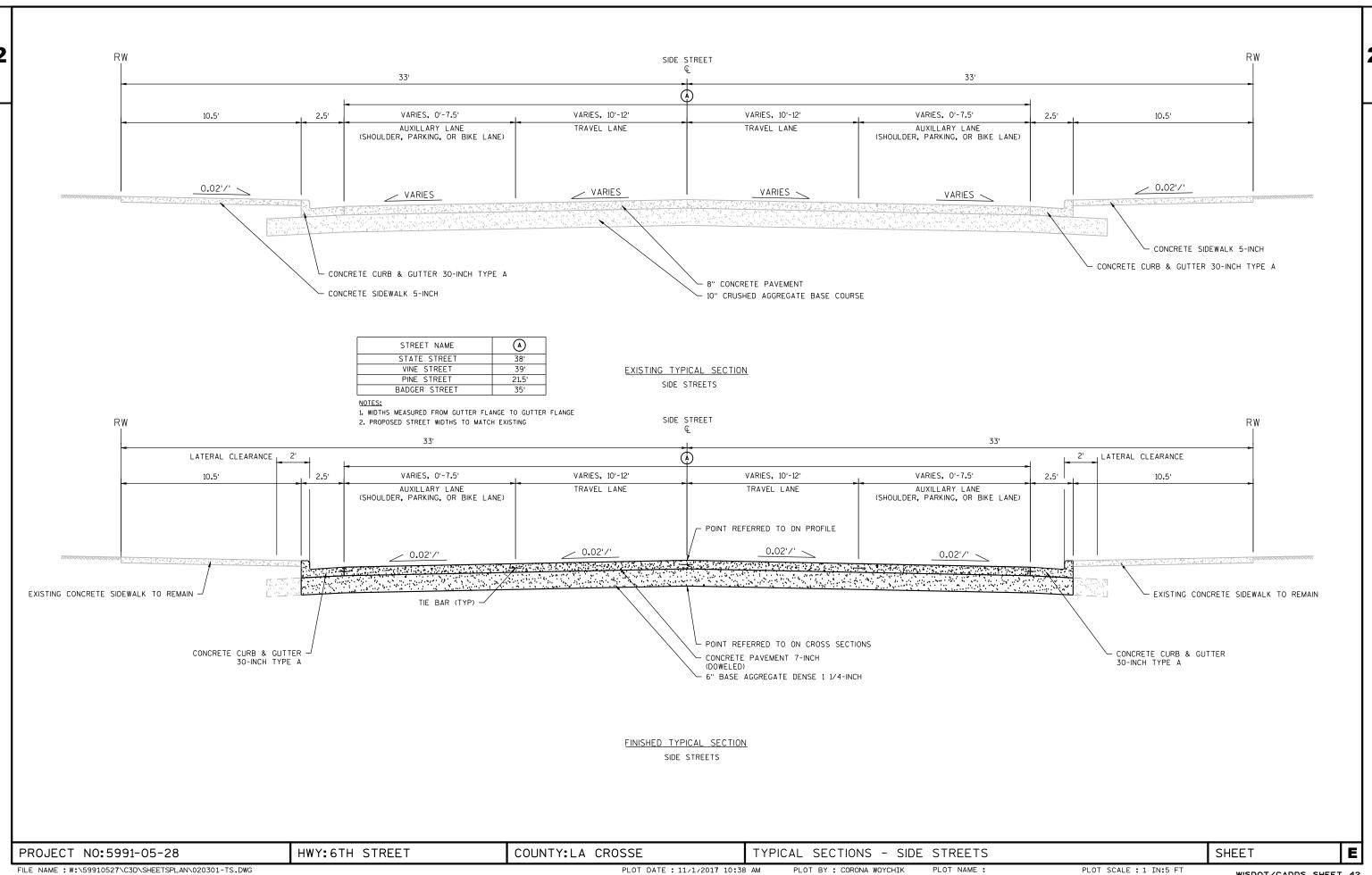
TYPICAL SECTIONS - EXISTING

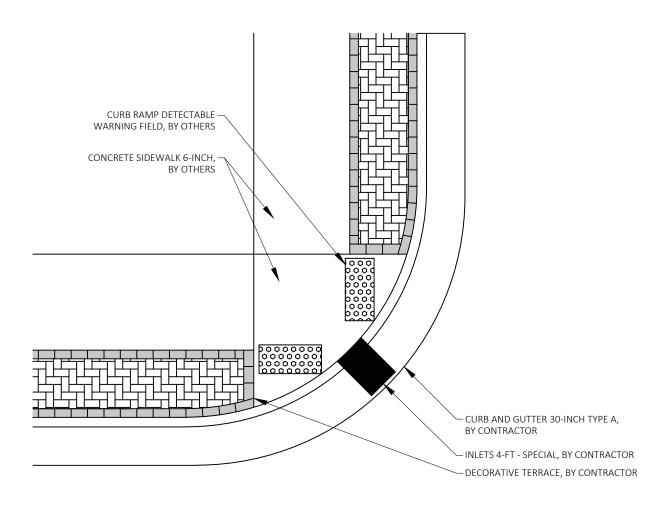
E

SHEET

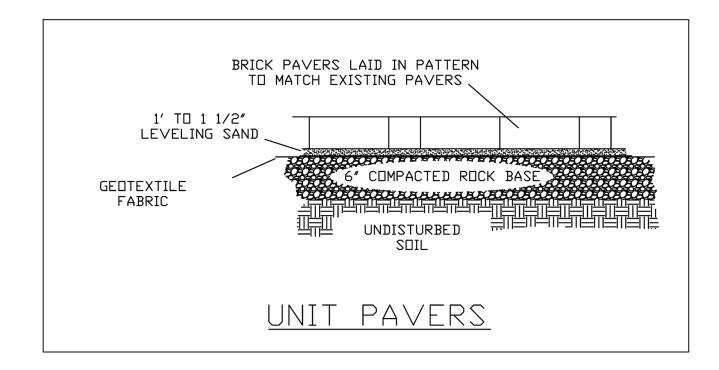




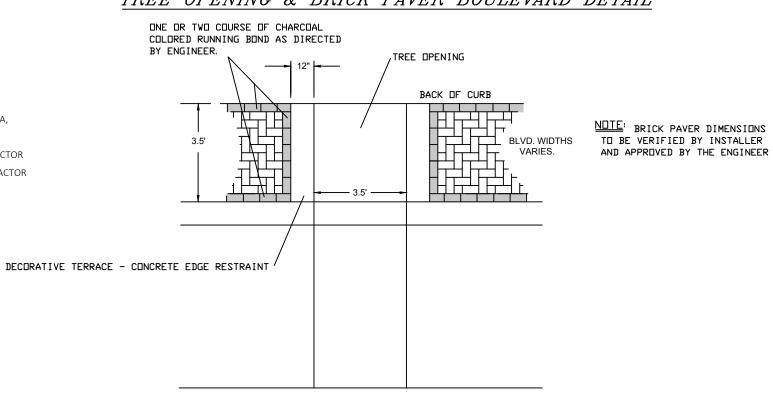




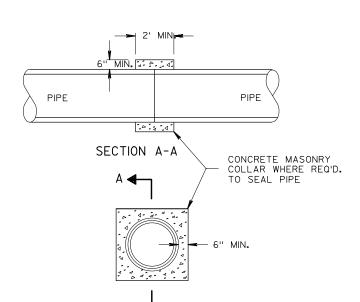
STREETSCAPING AT CORNERS DETAIL



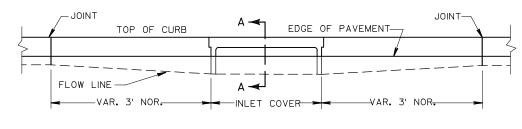
TREE OPENING & BRICK PAVER BOULEVARD DETAIL



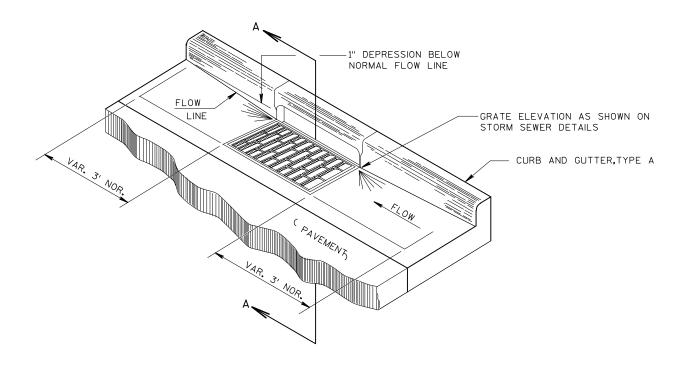
PROJECT NO: 5991-05-28 HWY: 6TH STREET COUNTY: LA CROSSE PLAN: CONSTRUCTION DETAILS SHEET **E**

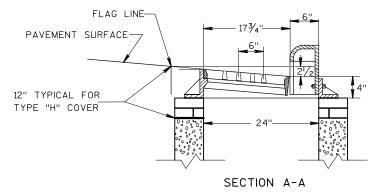


CONCRETE COLLAR DETAIL



ELEVATION





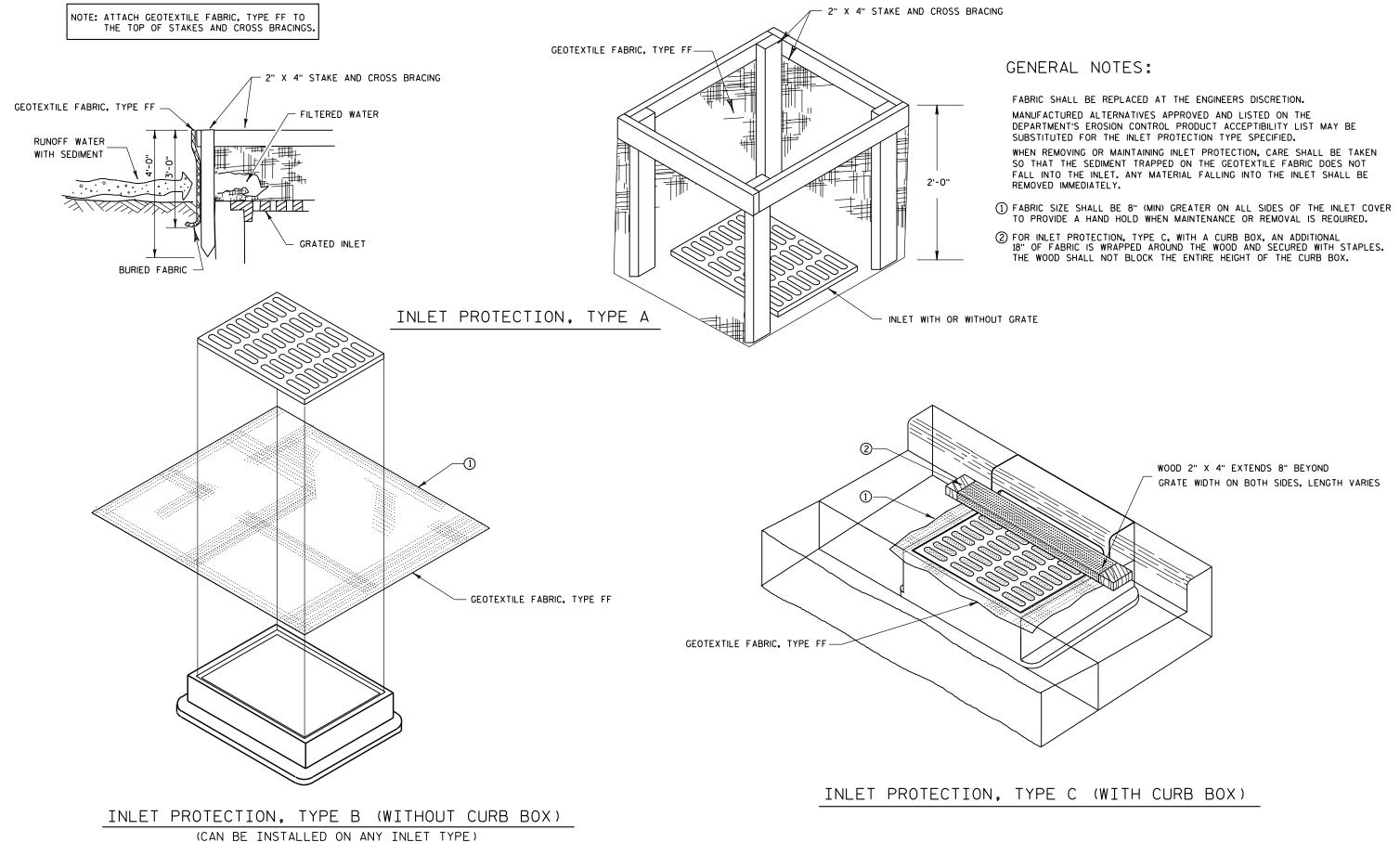
DETAIL OF CURB AND GUTTER AT INLETS

(TYPE 3-H INLET SHOWN)

PLAN: CONSTRUCTION DETAILS Ε PROJECT NO: 5991-05-28 HWY: 6TH STREET COUNTY: LA CROSSE SHEET FILE NAME : W:\59910527\C3D\SHEETSPLAN\021001-CD.DWG 12/20/2017 9:00 AM



SHEET



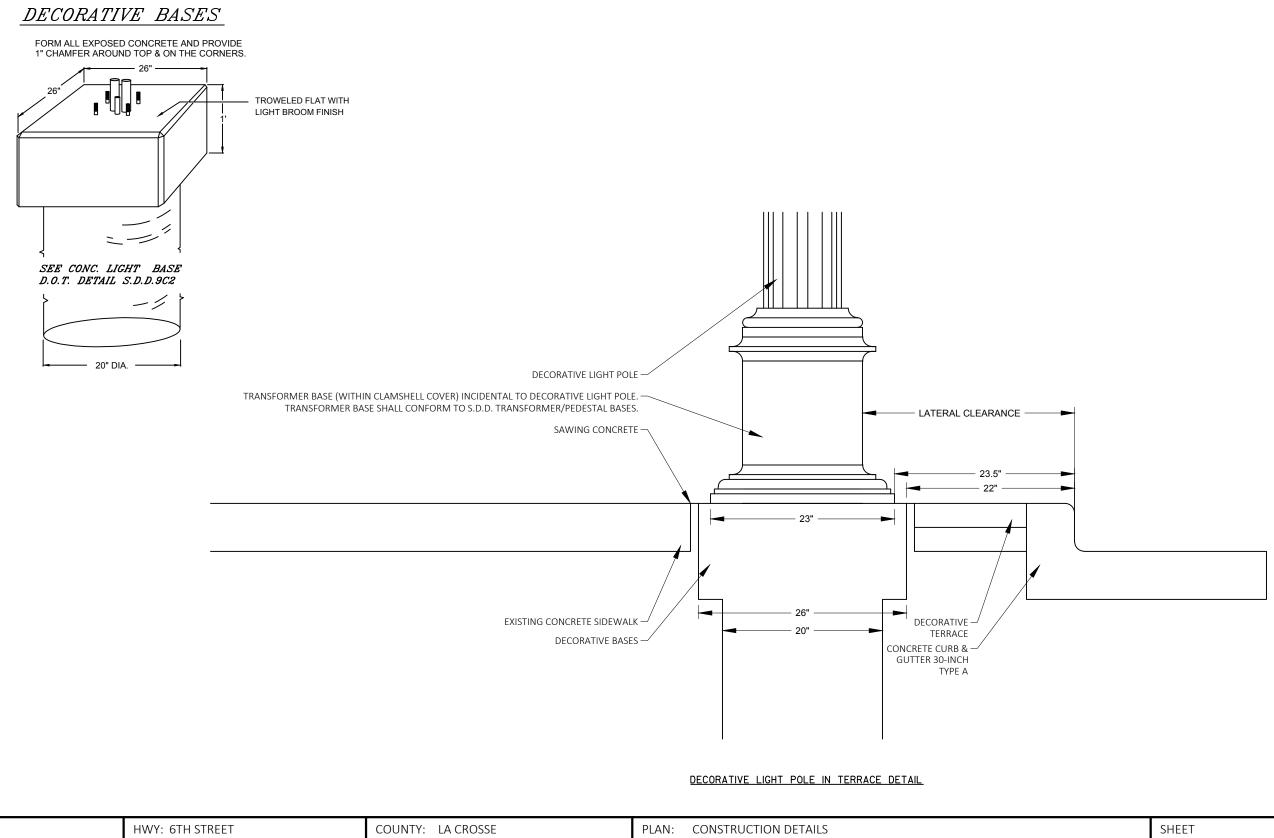
PLAN: CONSTRUCTION DETAILS

COUNTY: LA CROSSE

HWY: 6TH STREET

PROJECT NO:

5991-05-28

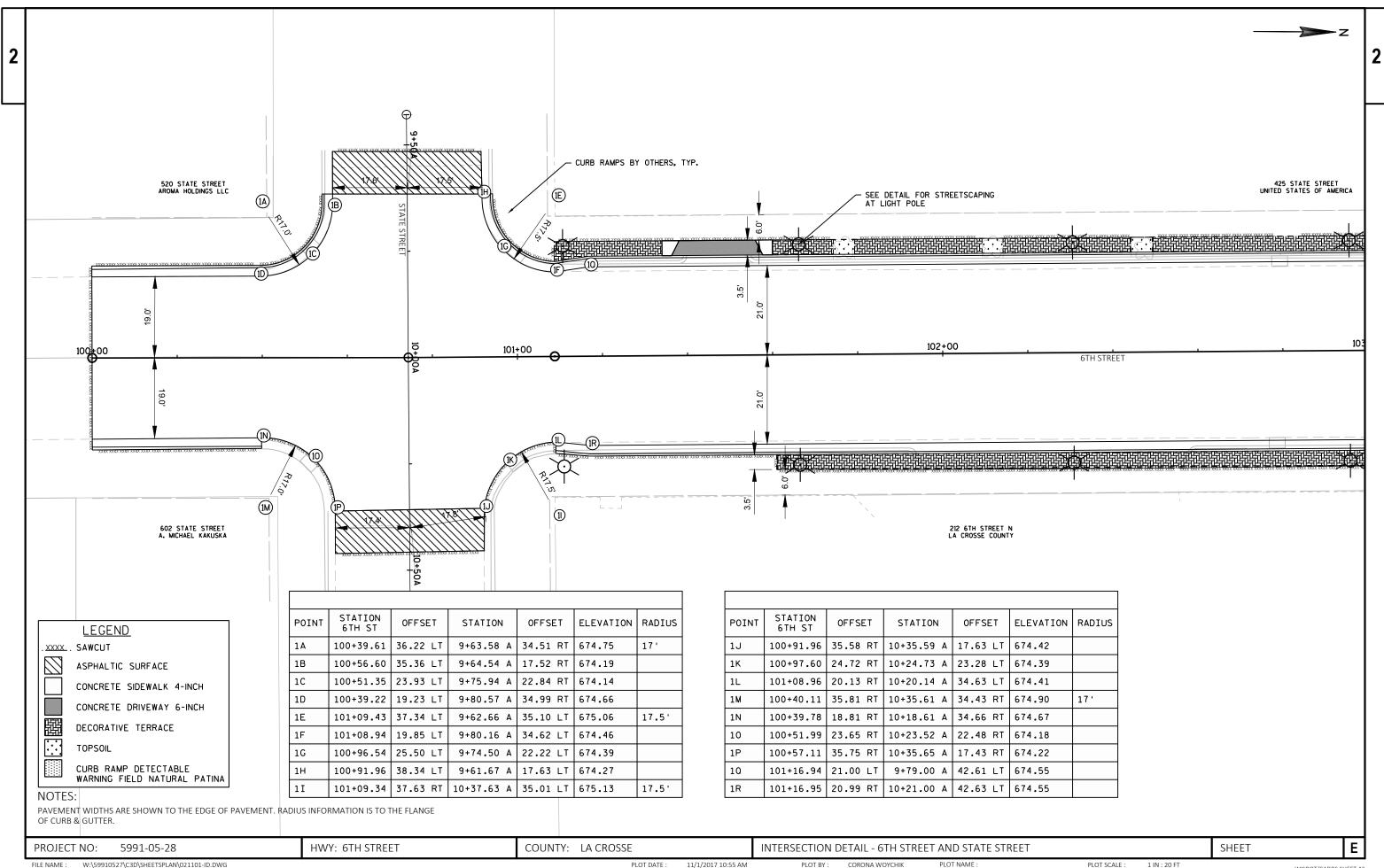


5991-05-28

PROJECT NO:

12/20/2017 8:19 AM

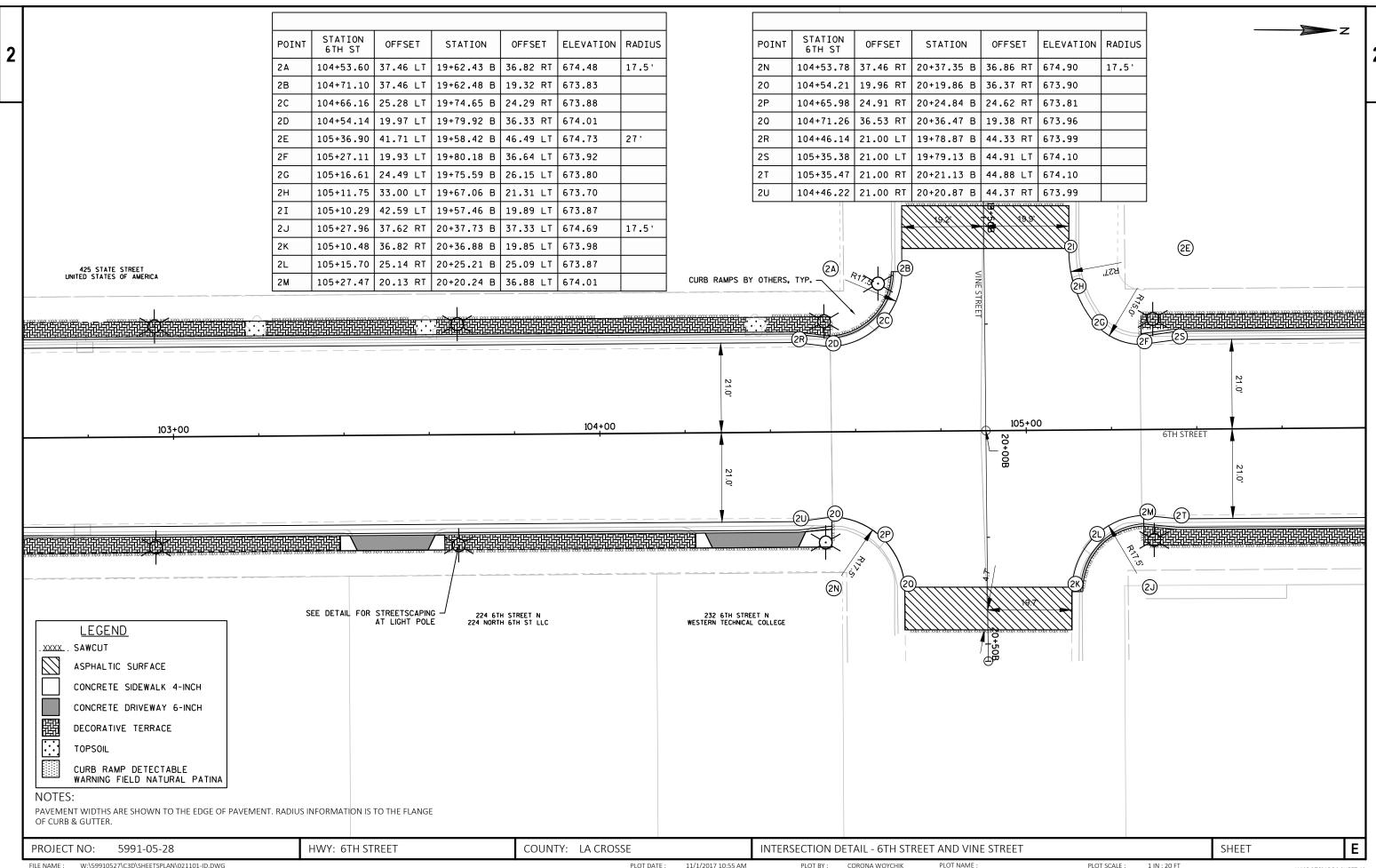
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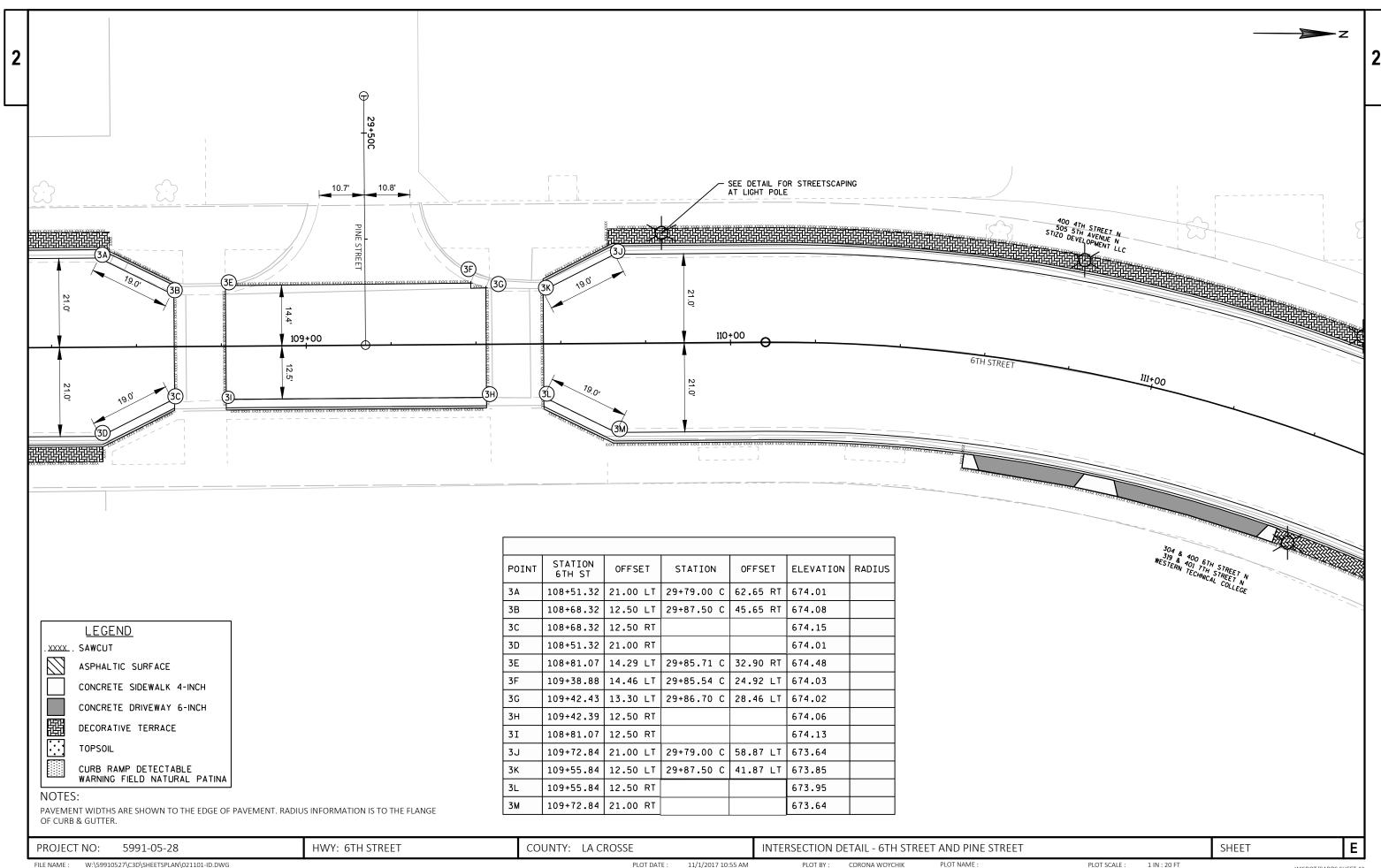


CORONA WOYCHIK PLOT NAME FILE NAME : W:\59910527\C3D\SHEETSPLAN\021101-ID.DWG PLOT DATE: 11/1/2017 10:55 AM PLOT BY:

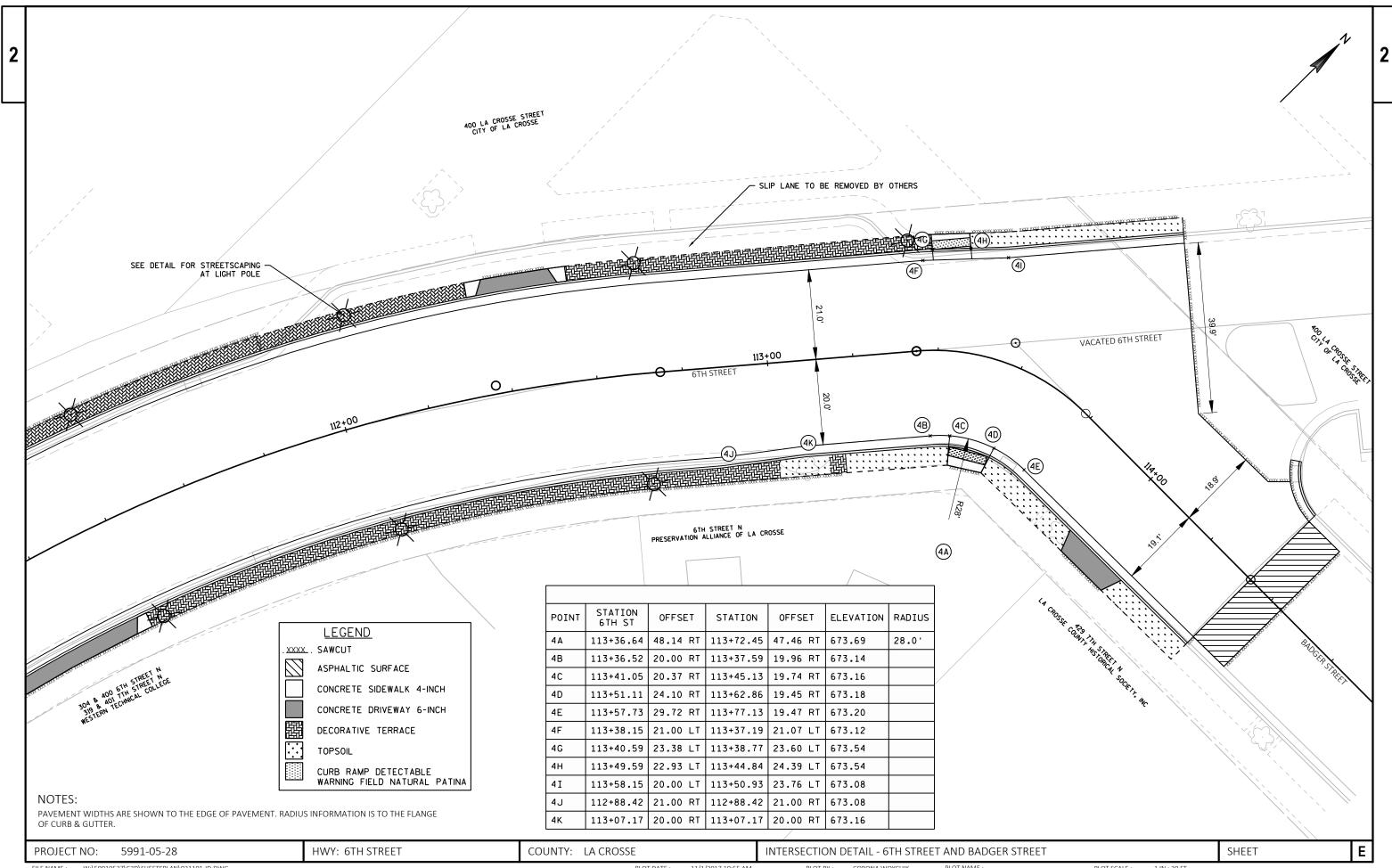
LAYOUT NAME - 01-id

WISDOT/CADDS SHEET 42



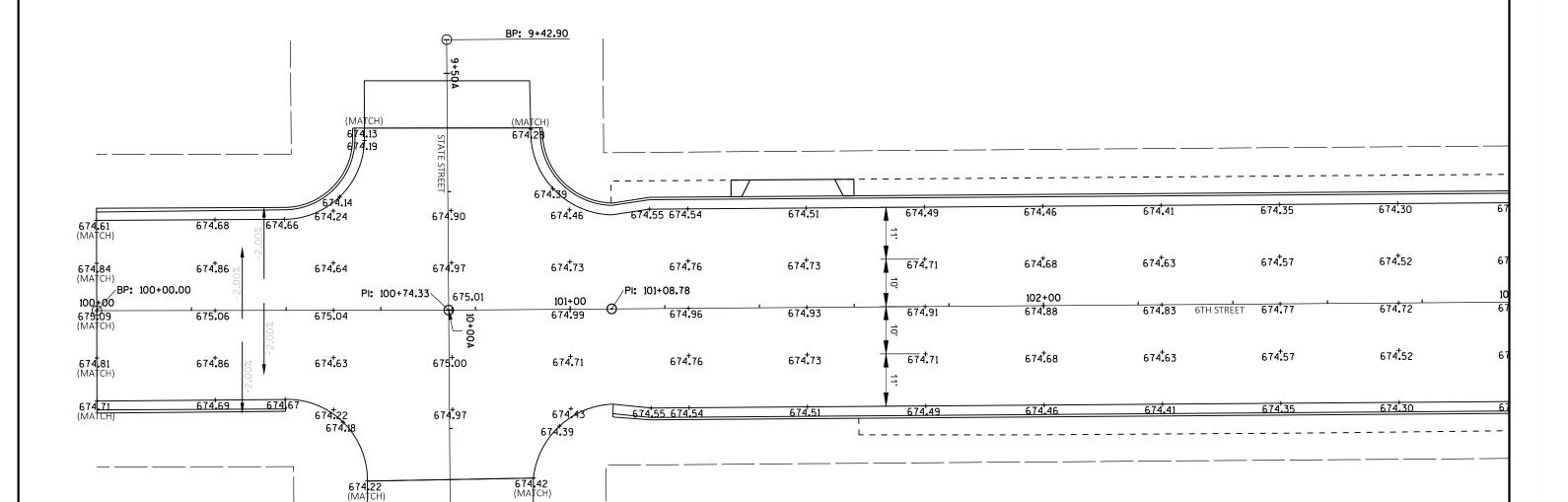


W:\59910527\C3D\SHEETSPLAN\021101-ID.DWG PLOT NAME : PLOT DATE : PLOT BY: CORONA WOYCHIK 11/1/2017 10:55 AM 1 IN: 20 FT WISDOT/CADDS SHEET 42



FILE NAME: W:\S9910527\C3D\SHEETSPLAN\021101-ID.DWG PLOT DATE: 11/1/2017 10:55 AM PLOT BY: CORONA WOYCHIK PLOT NAME: PLOT SCALE: 1 IN: 20 FT WISDOT/CADDS SHEET 42 WISDOT/CADDS SHEET 42





NOTES:

ALL DRIVEWAY APPROACHES SHALL BE CONCRETE DRIVEWAY 6-INCH (SEE DETAIL AND MISCELLANEOUS

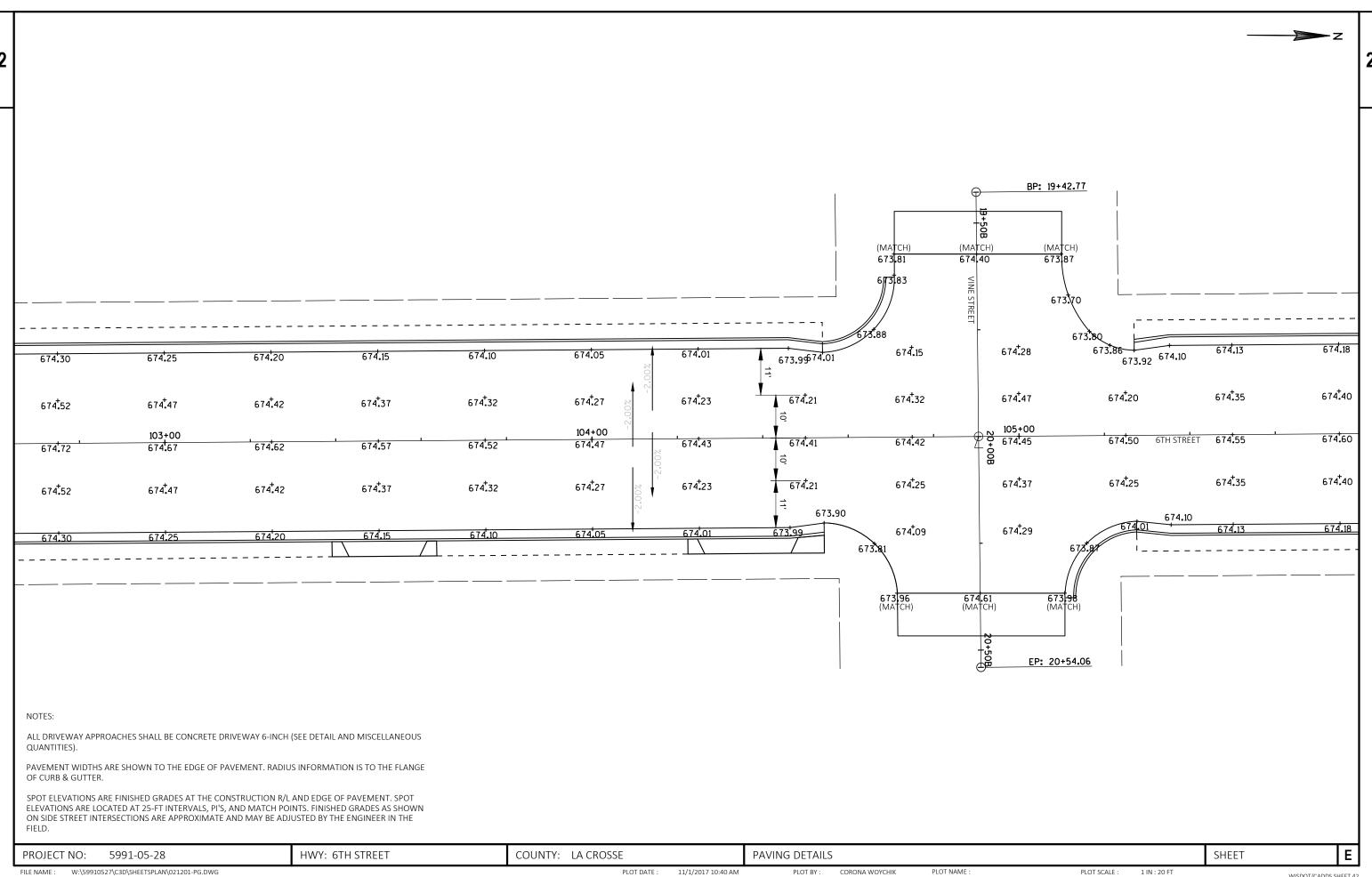
10+50A

EP: 10+57.11

PAVEMENT WIDTHS ARE SHOWN TO THE EDGE OF PAVEMENT. RADIUS INFORMATION IS TO THE FLANGE OF CURB & GUTTER.

SPOT ELEVATIONS ARE FINISHED GRADES AT THE CONSTRUCTION R/L AND EDGE OF PAVEMENT. SPOT ELEVATIONS ARE LOCATED AT 25-FT INTERVALS, PI'S, AND MATCH POINTS. FINISHED GRADES AS SHOWN ON SIDE STREET INTERSECTIONS ARE APPROXIMATE AND MAY BE ADJUSTED BY THE ENGINEER IN THE FIELD.

PROJECT NO: Ε 5991-05-28 HWY: 6TH STREET COUNTY: LA CROSSE PAVING DETAILS SHEET FILE NAME : W:\59910527\C3D\SHEETSPLAN\021201-PG.DWG PLOT DATE : PLOT BY: CORONA WOYCHIK PLOT NAME : 1 IN : 20 FT 11/1/2017 10:40 AM



LAYOUT NAME - 02-pg

WISDOT/CADDS SHEET 42

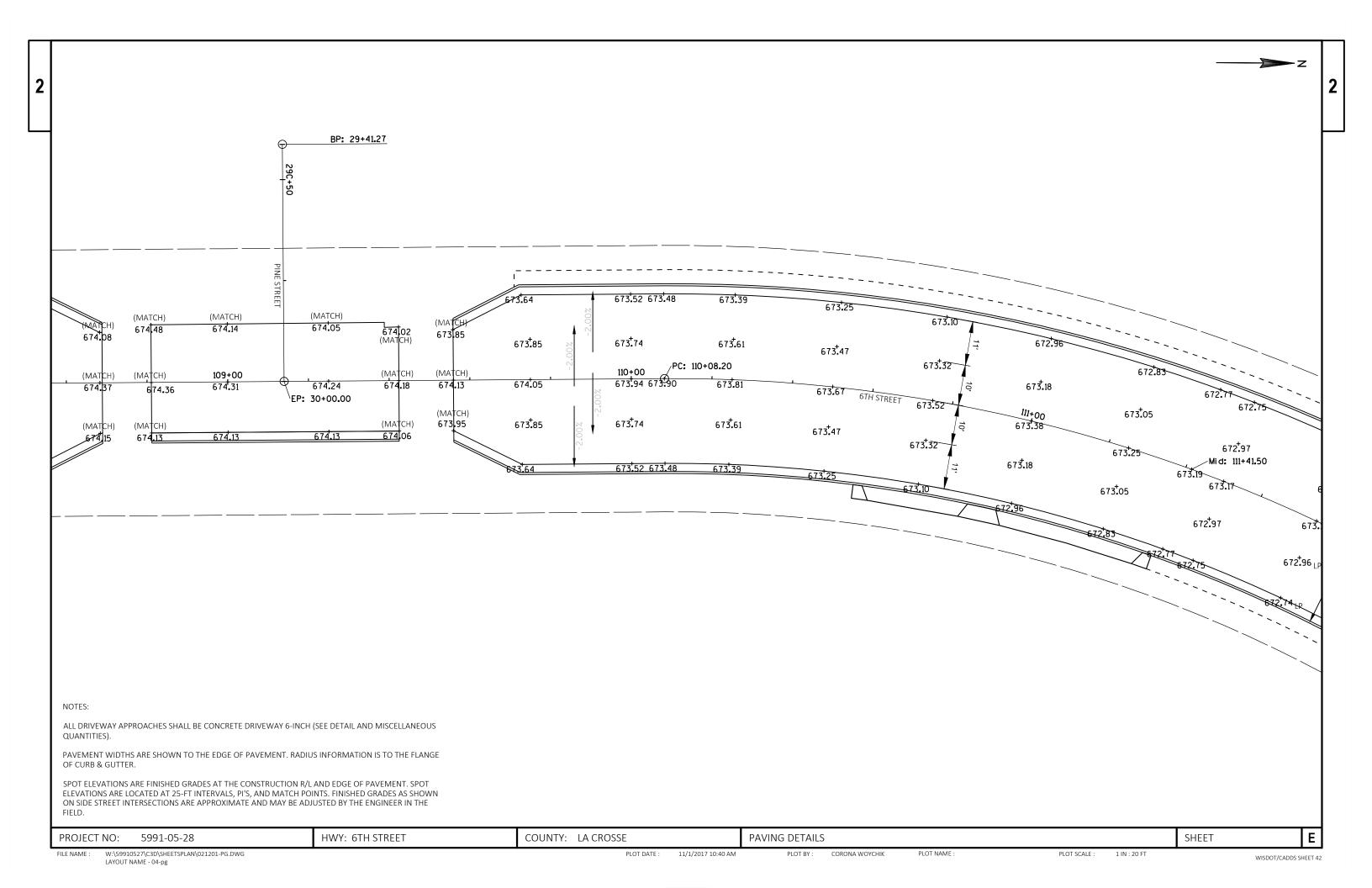
| 674.18 | 674.23 | 674.29 | 674 <mark>.</mark> 33 HP | 674 <mark>.</mark> 34 | 674.33 | 674.29 | 674 . 23 | 674.18 | 674.12 | 674.06 | 674 . 01 |
|----------------------|---------------------------------|----------------------|-----------------------------|-----------------------|---------------------|-----------------------|-----------------|-----------------------|---------------------------|-----------------------|----------------------|
| 674.40 | 674 <mark>-</mark> 45 | 674 [‡] .51 | 674 [‡] 55 HP | 674 [‡] 56 | 674.55 × | 67 4. 51 | ▼ | 674 . 40 | 674 . 34 | 674 <mark>.</mark> 28 | 674 . 23 |
| 674.60 | 106+00 674 <mark>.</mark> 65 | 674.71 | 67 4 ,75 HP | 674.76 | 107+00 674.75 | 674.71 | 674.65 6TH ST | REET 674.60 | 108+00 674 . 54 | 674.48 | 674.43 |
| 674 [†] .40 | 674 [‡] .45 | 67 4. 51 | 67 4 -55 HP | 674 <mark>-</mark> 56 | 674 [‡] 55 | 674.51 | 674.45 | 674 <mark>.</mark> 40 | 674 <mark>.</mark> 34 | 674 <mark>-</mark> 28 | 674 [‡] .23 |
| 674.18 | 674 <mark>.</mark> 23 | 674.29 | 674 . 33 | 674 <mark>.</mark> 34 | 674.33 | 674 <mark>-</mark> 29 | 674-23 | 674.18 | 674.12 | 674 [‡] 06 | 674.91 |

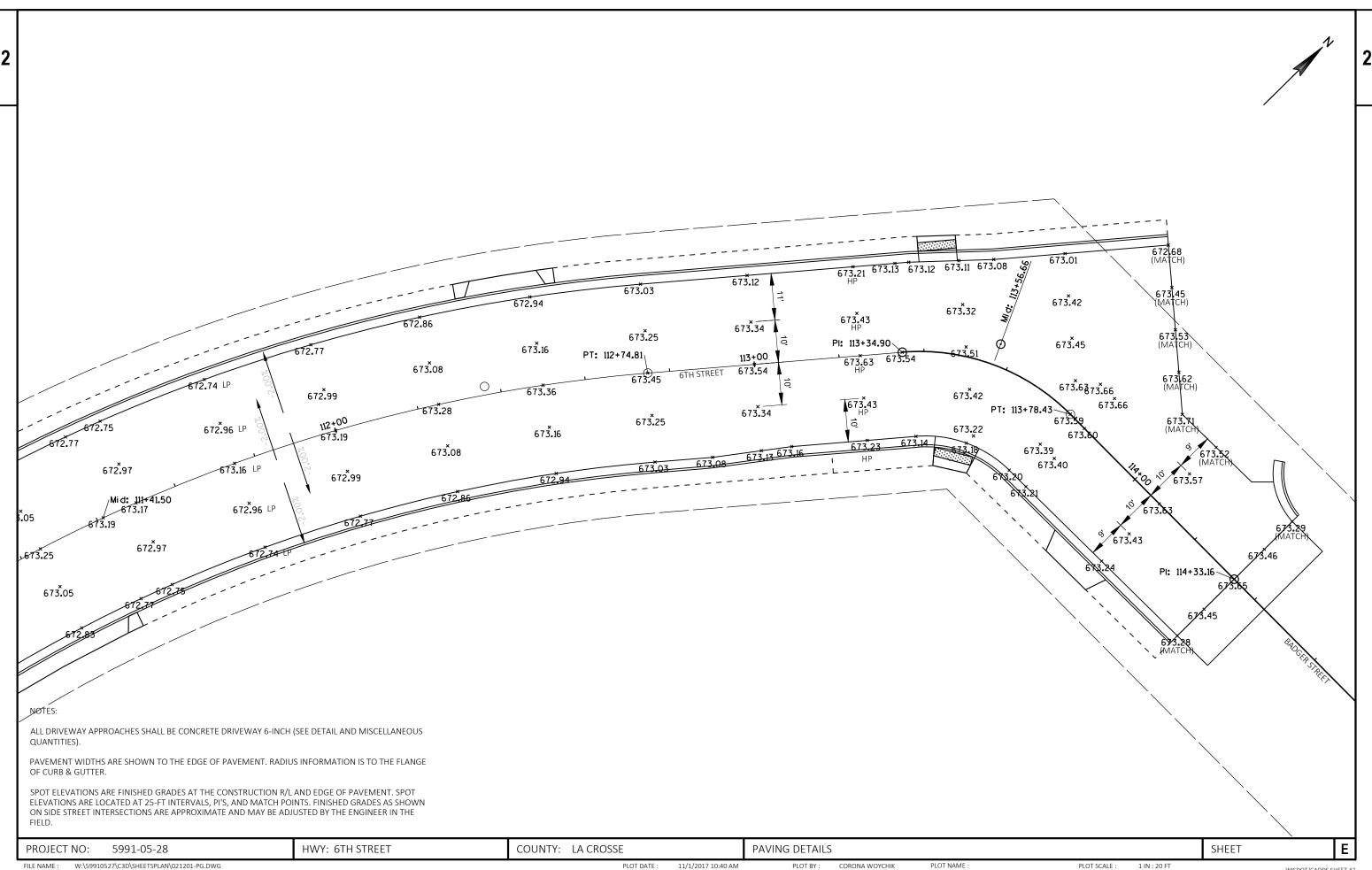
ALL DRIVEWAY APPROACHES SHALL BE CONCRETE DRIVEWAY 6-INCH (SEE DETAIL AND MISCELLANEOUS QUANTITIES).

PAVEMENT WIDTHS ARE SHOWN TO THE EDGE OF PAVEMENT. RADIUS INFORMATION IS TO THE FLANGE OF CURB & GUTTER.

SPOT ELEVATIONS ARE FINISHED GRADES AT THE CONSTRUCTION R/L AND EDGE OF PAVEMENT. SPOT ELEVATIONS ARE LOCATED AT 25-FT INTERVALS, PI'S, AND MATCH POINTS. FINISHED GRADES AS SHOWN ON SIDE STREET INTERSECTIONS ARE APPROXIMATE AND MAY BE ADJUSTED BY THE ENGINEER IN THE FIELD.

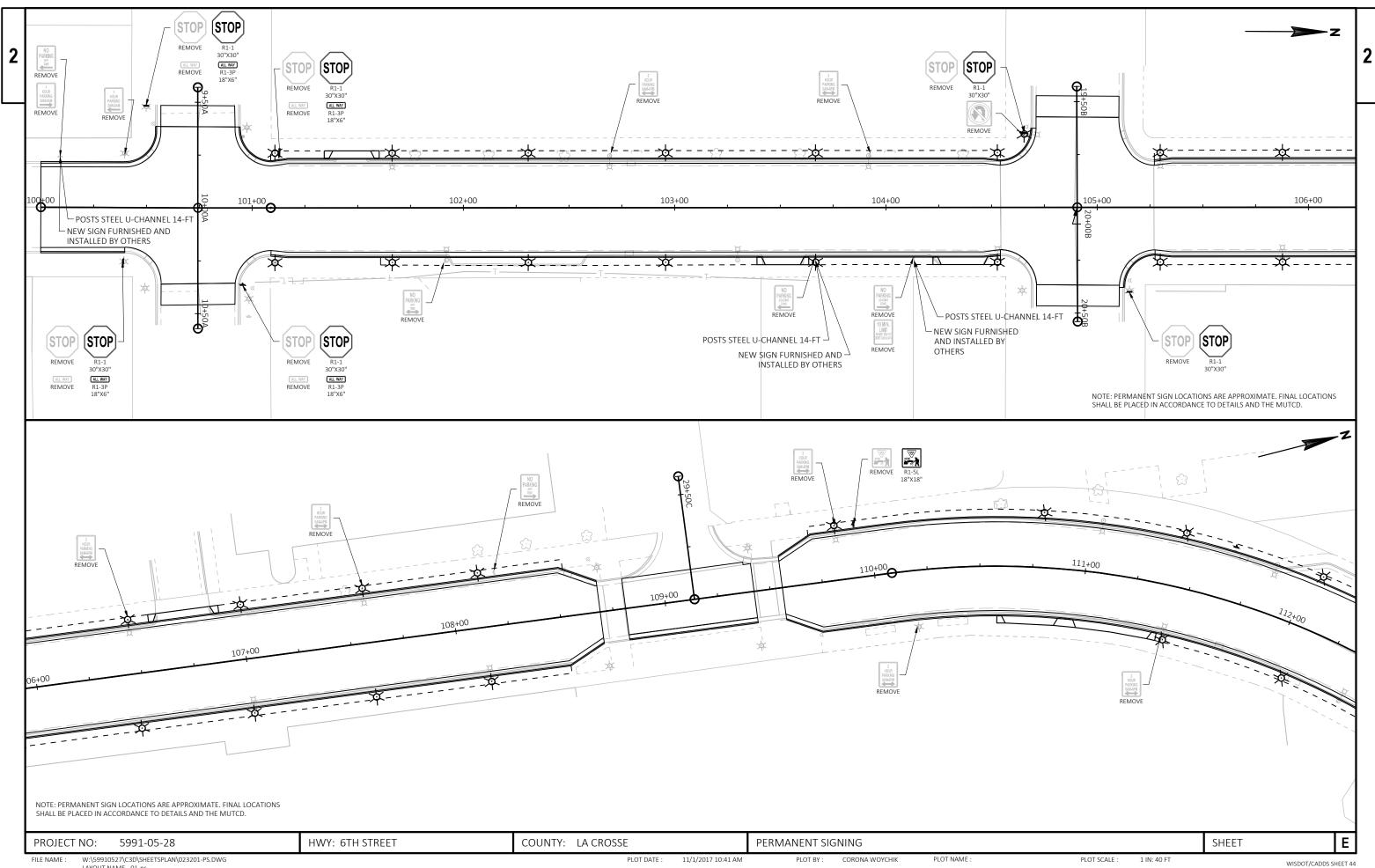
PROJECT NO: HWY: 6TH STREET COUNTY: LA CROSSE 5991-05-28 PAVING DETAILS SHEET

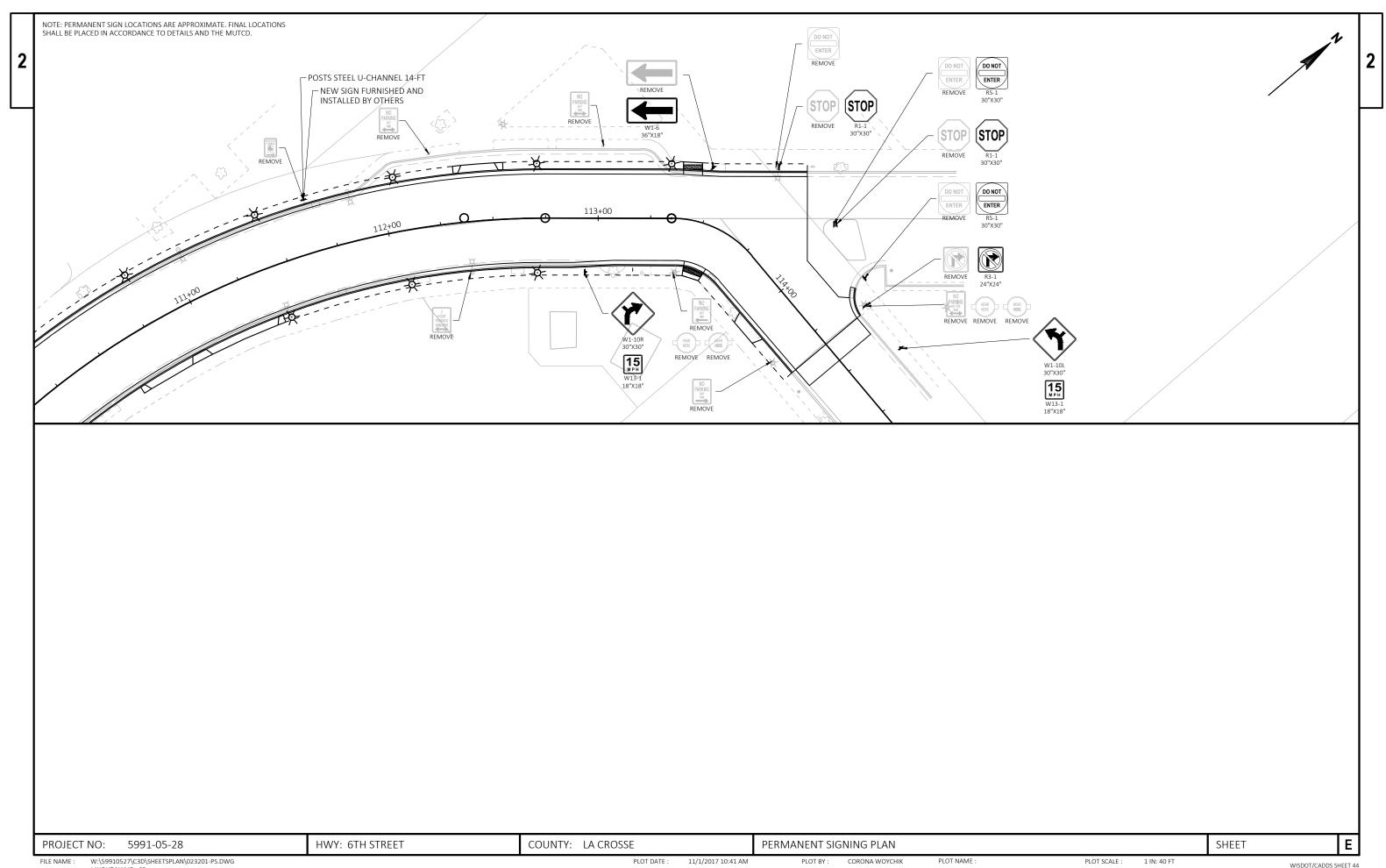




FILE NAME: W:\59910527\C3D\SHEETSPLAN\021201-PG.DWG PLOT BY: CORONA WOYCHIK PLOT NAME: 11/1/2017 10:40 AM PLOT BY: CORONA WOYCHIK PLOT NAME: 1 IN: 20 FT WISDOT/CADDS SHEET 42

LAYOUT NAME - 05-pg





W:\59910527\C3D\SHEETSPLAN\023201-PS.DWG LAYOUT NAME - 02-ps WISDOT/CADDS SHEET 44

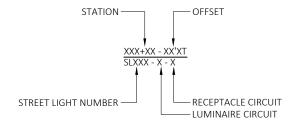
LIGHTING PLAN LEGEND

PROPOSED CONDUIT- 2" UNLESS OTHERWISE NOTED)

EXISTING CONDUIT- 2" UNLESS OTHERWISE NOTED)

PROPOSED LIGHT POLE, POLE TOP LUMINAIRE

EXISTING LIGHT POLE, POLE TOP LUMINAIRE

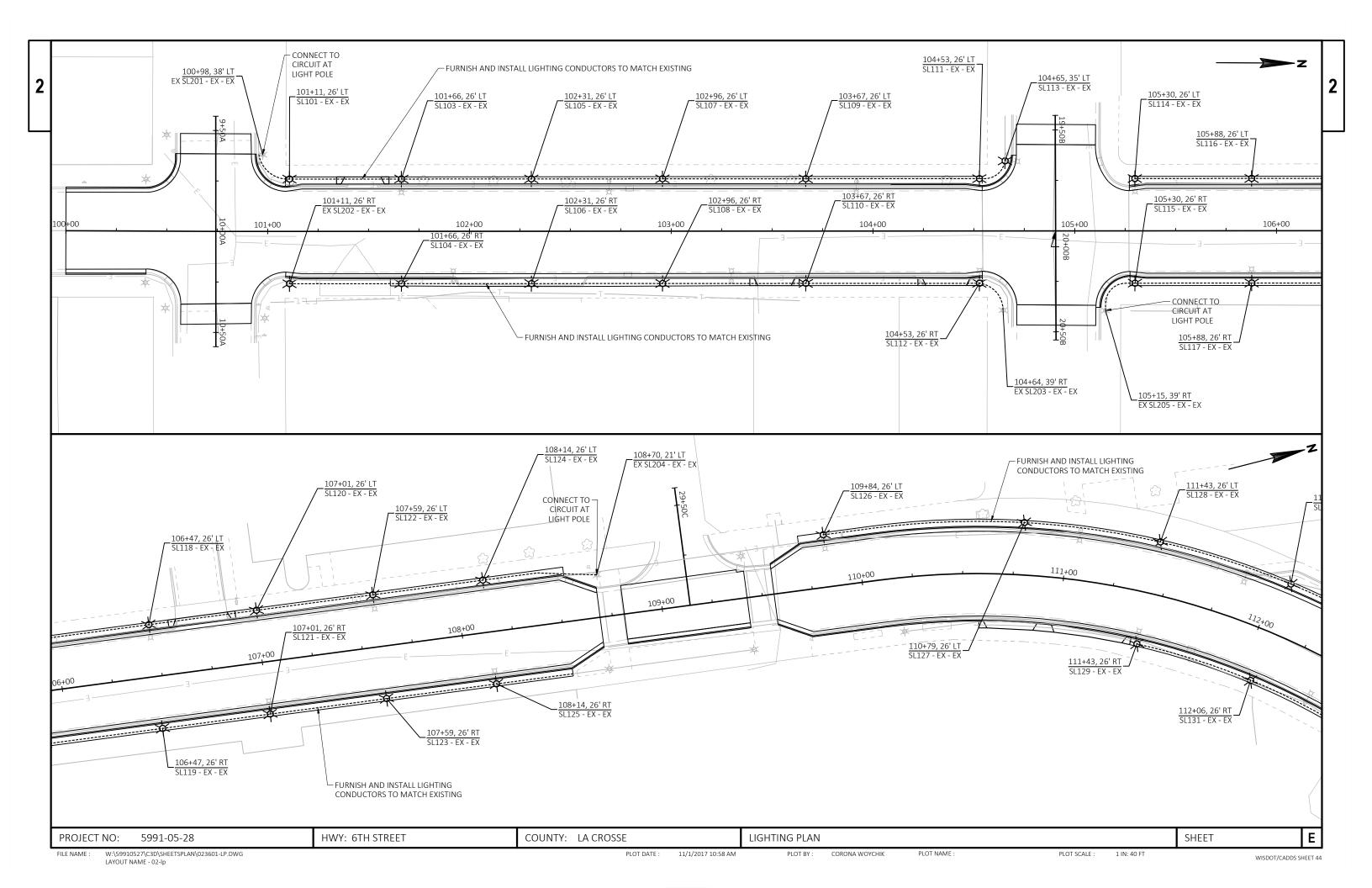


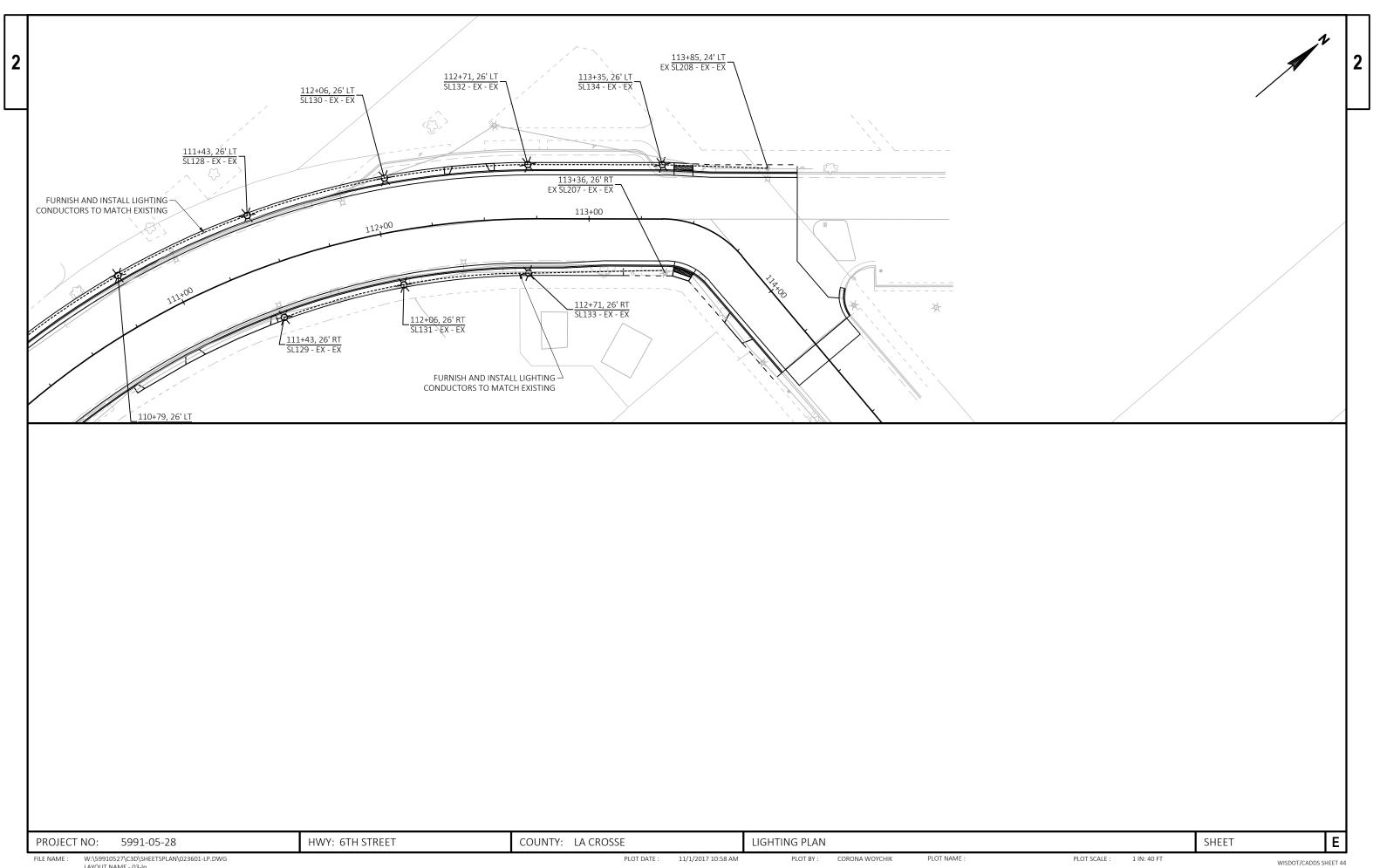
GENERAL STREET LIGHTING NOTES:

- 1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.
- 2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 3) CHECK FOR OVERHEAD UTILITY CONFLICTS PRIOR TO CONSTRUCTING CONCRETE BASES.
- 4) CONDUITS LIE WITHIN 1' OF CURB AND APPROXIMATELY 18" FROM TOP OF CURB (24" UNDER DRIVEWAYS)

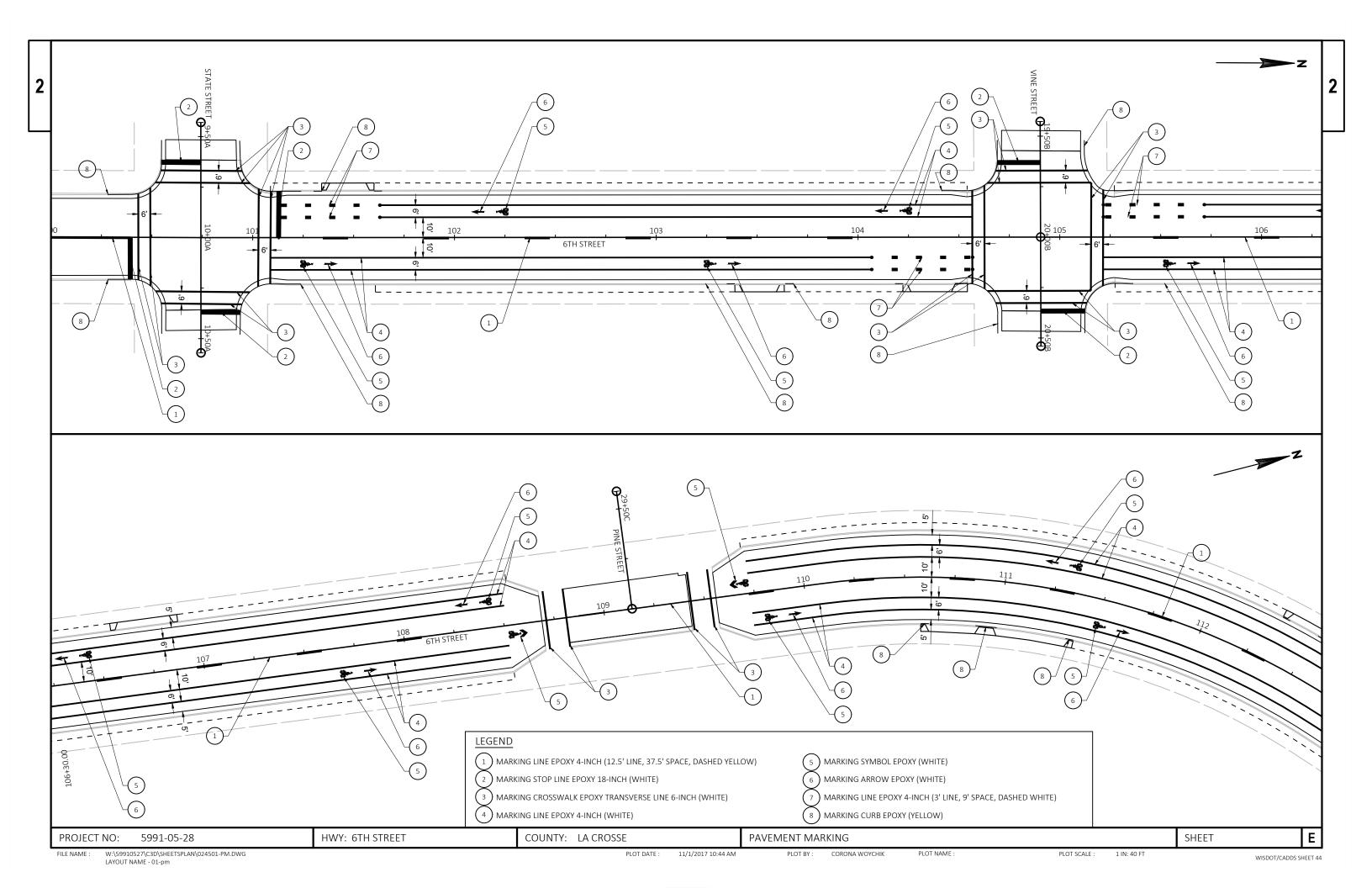
PROJECT NO: 5991-05-28 HWY: 6TH STREET COUNTY: LA CROSSE LIGHTING PLAN SHEET **E**

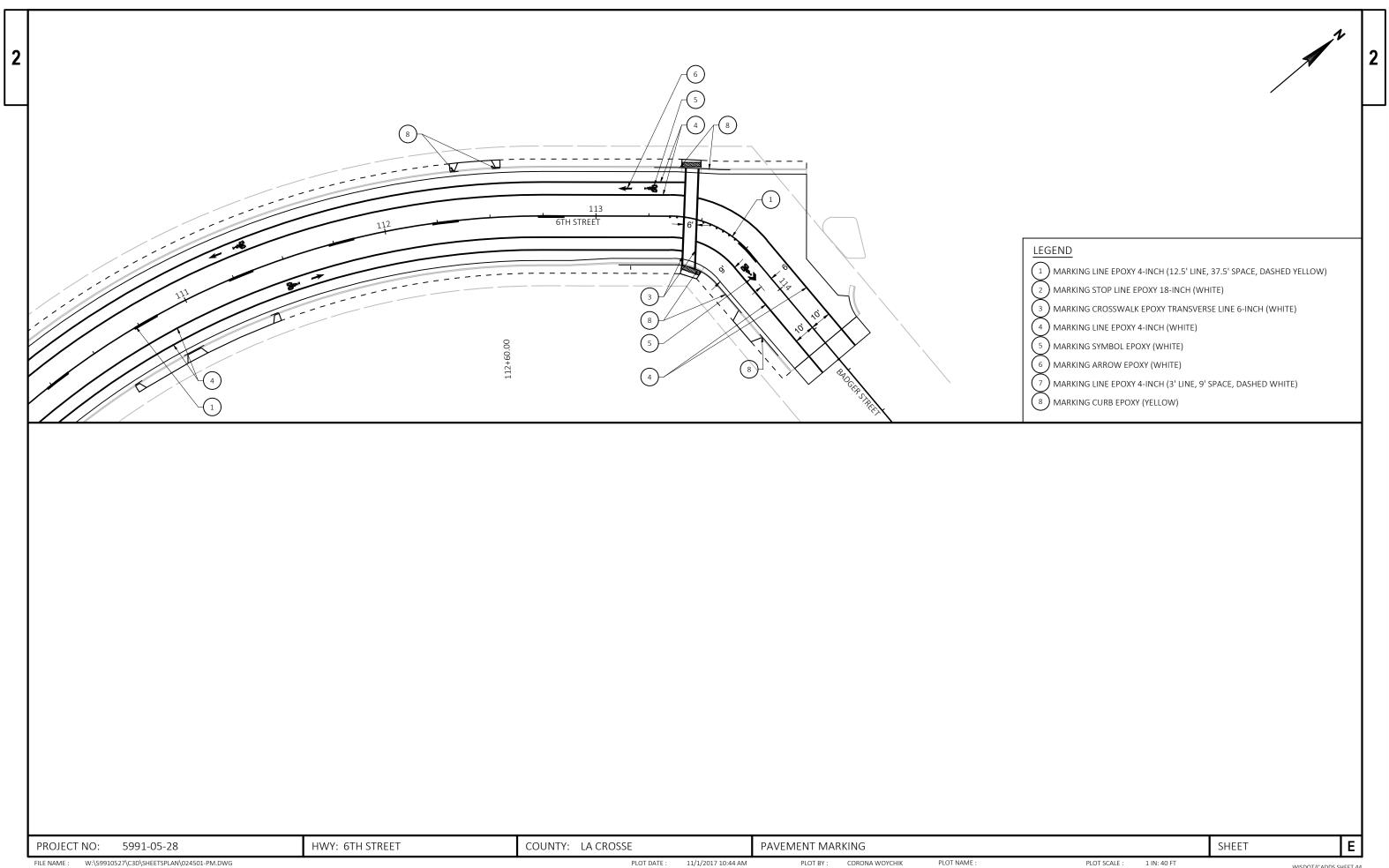
FILE NAME: W:\59910527\C3D\SHEETSPLAN\023601-LP.DWG PLOT DATE: 11/1/2017 10:58 AM PLOT BY: CORONA WOYCHIK PLOT NAME: PLOT SCALE: ########## WISDOT/CADDS SHEET 42
LAYOUT NAME - 01-lp



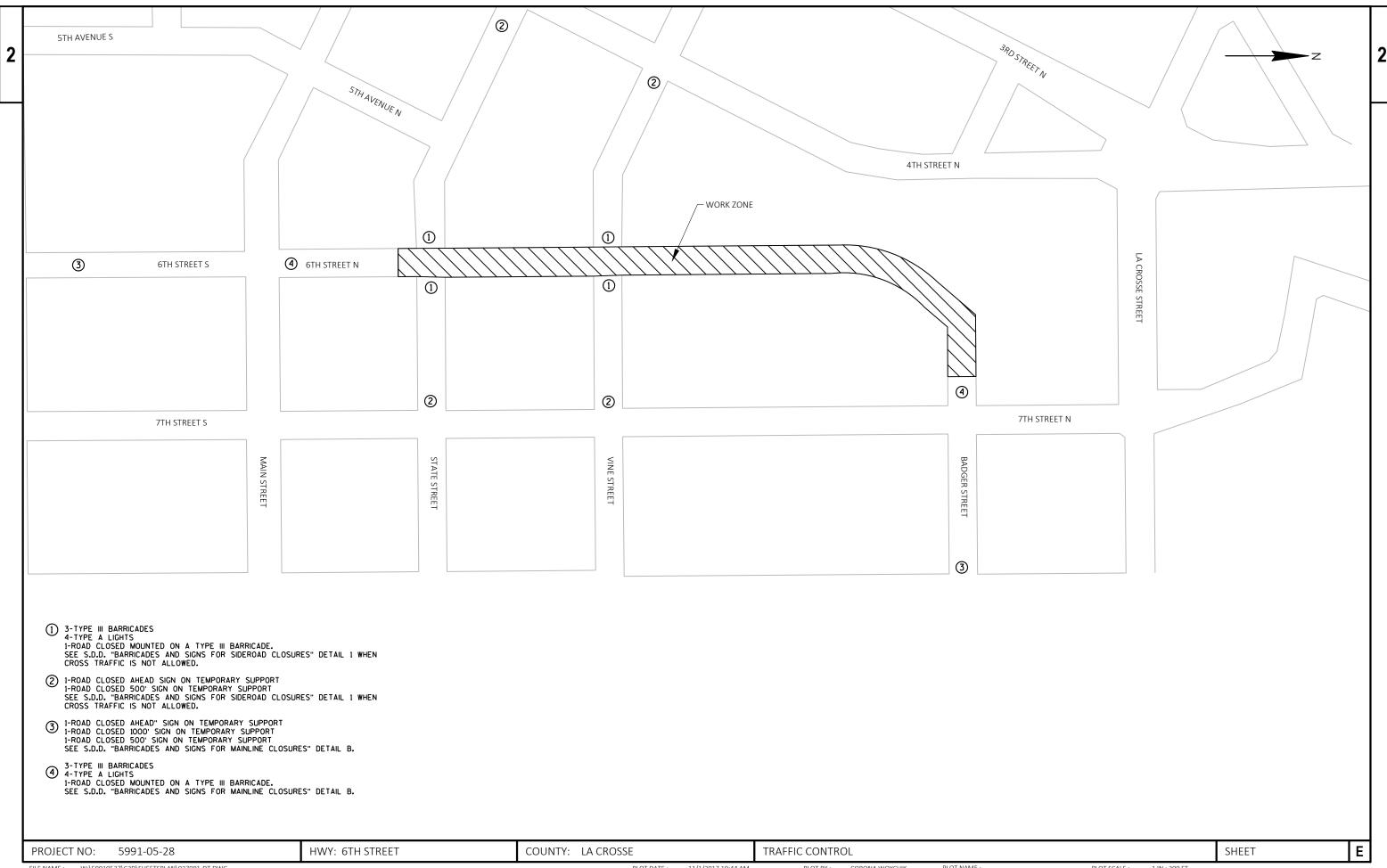


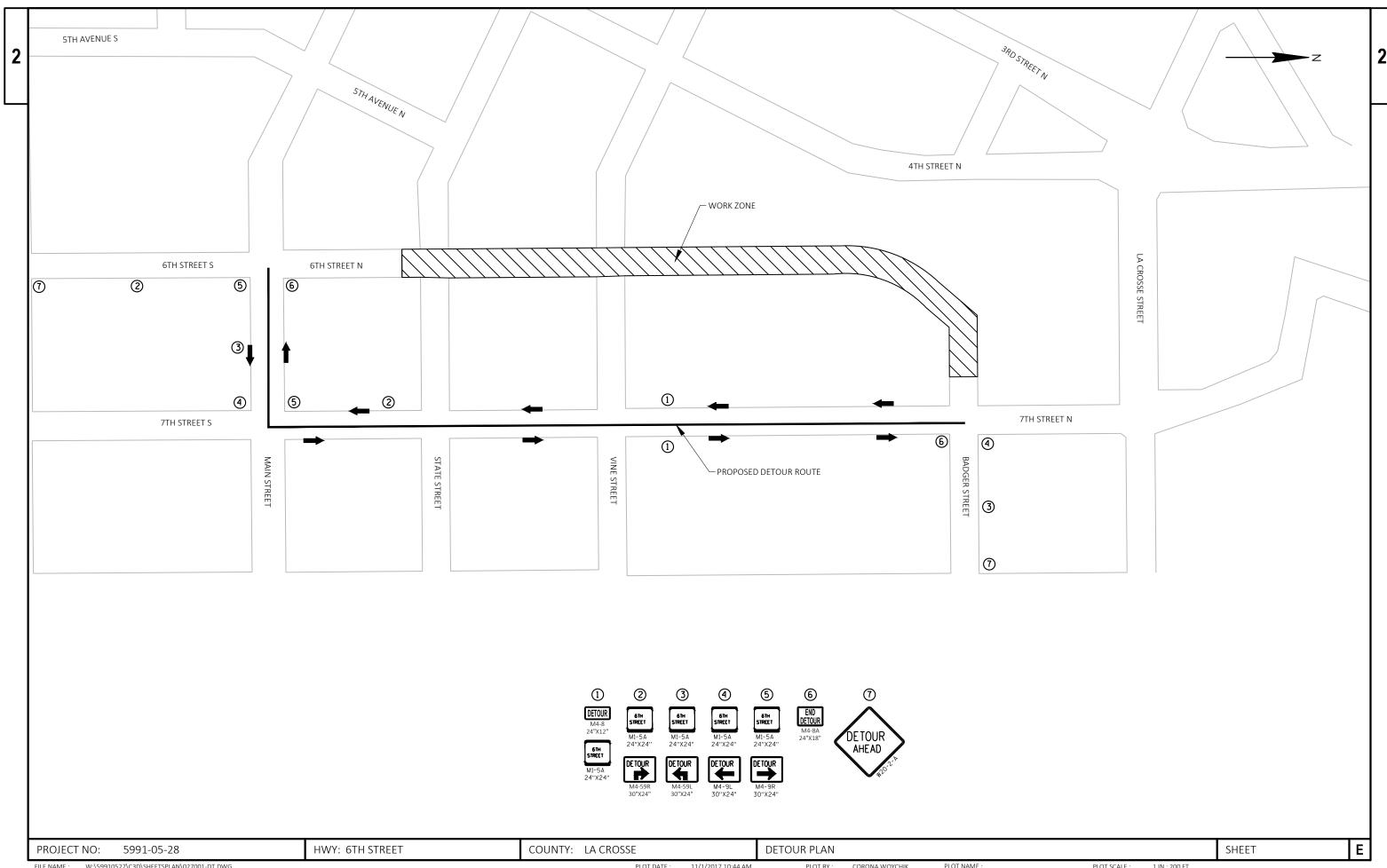
W:\59910527\C3D\SHEETSPLAN\023601-LP.DWG LAYOUT NAME - 03-lp





W:\59910527\C3D\SHEETSPLAN\024501-PM.DWG LAYOUT NAME - 02-pm WISDOT/CADDS SHEET 44





FILE NAME: W:\59910527\C3D\SHEETSPLAN\027001-DT.DWG PLOT DATE: 11/1/2017 10:44 AM PLOT BY: CORONA WOYCHIK PLOT NAME: 1 IN: 200 FT WISDOT/CADDS SHEET 42 LAYOUT NAME- 01-dt

| | | | | | 5991-05-28 |
|------|------------|---|------|-----------|------------|
| Line | Item | Item Description | Unit | Total | Qty |
| 0002 | 204.0100 | Removing Pavement | SY | 6,212.000 | 6,212.000 |
| 0004 | 204.0150 | Removing Curb & Gutter | LF | 2,600.000 | 2,600.000 |
| 0006 | 204.0155 | Removing Concrete Sidewalk | SY | 737.000 | 737.000 |
| 8000 | 204.0195 | Removing Concrete Bases | EACH | 25.000 | 25.000 |
| 0010 | 204.0210 | Removing Manholes | EACH | 2.000 | 2.000 |
| 0012 | 204.0220 | Removing Inlets | EACH | 10.000 | 10.000 |
| 0014 | 204.9060.S | Removing (item description) 01. Light Pole Assembly | EACH | 18.000 | 18.000 |
| 0016 | 205.0100 | Excavation Common | CY | 2,956.000 | 2,956.000 |
| 0018 | 213.0100 | Finishing Roadway (project) 01. 5991-05-28 | EACH | 1.000 | 1.000 |
| 0020 | 305.0120 | Base Aggregate Dense 1 1/4-Inch | TON | 3,305.000 | 3,305.000 |
| 0022 | 415.0070 | Concrete Pavement 7-Inch | SY | 6,785.000 | 6,785.000 |
| 0024 | 415.0210 | Concrete Pavement Gaps | EACH | 4.000 | 4.000 |
| 0026 | 415.4100 | Concrete Pavement Joint Filling | SY | 7,143.000 | 7,143.000 |
| 0028 | 416.0160 | Concrete Driveway 6-Inch | SY | 77.000 | 77.000 |
| 0030 | 416.0260 | Concrete Driveway HES 6-Inch | SY | 30.000 | 30.000 |
| 0032 | 416.0620 | Drilled Dowel Bars | EACH | 58.000 | 58.000 |
| 0034 | 455.0605 | Tack Coat | GAL | 17.000 | 17.000 |
| 0036 | 465.0105 | Asphaltic Surface | TON | 60.000 | 60.000 |
| 0038 | 520.8000 | Concrete Collars for Pipe | EACH | 11.000 | 11.000 |
| 0040 | 601.0409 | Concrete Curb & Gutter 30-Inch Type A | LF | 2,596.000 | 2,596.000 |
| 0042 | 602.0405 | Concrete Sidewalk 4-Inch | SF | 229.000 | 229.000 |
| 0044 | 602.0515 | Curb Ramp Detectable Warning Field Natural Patina | SF | 20.000 | 20.000 |
| 0046 | 608.0312 | Storm Sewer Pipe Reinforced Concrete Class III 12-Inch | LF | 80.000 | 80.000 |
| 0048 | 608.0324 | Storm Sewer Pipe Reinforced Concrete Class III 24-Inch | LF | 8.000 | 8.000 |
| 0050 | 611.0420 | Reconstructing Manholes | EACH | 1.000 | 1.000 |
| 0052 | 611.0430 | Reconstructing Inlets | EACH | 1.000 | 1.000 |
| 0054 | 611.2004 | Manholes 4-FT Diameter | EACH | 1.000 | 1.000 |
| 0056 | 611.2005 | Manholes 5-FT Diameter | EACH | 1.000 | 1.000 |
| 0058 | 611.3004 | Inlets 4-FT Diameter | EACH | 6.000 | 6.000 |
| 0060 | 611.8110 | Adjusting Manhole Covers | EACH | 4.000 | 4.000 |
| 0062 | 611.8115 | Adjusting Inlet Covers | EACH | 3.000 | 3.000 |
| 0064 | | Cover Plates Temporary | EACH | 29.000 | 29.000 |
| 0066 | 618.0100 | Maintenance And Repair of Haul Roads (project) 01. 5991-05-28 | EACH | 1.000 | 1.000 |
| 0068 | 619.1000 | Mobilization | EACH | 1.000 | 1.000 |
| 0070 | 624.0100 | Water | MGAL | 76.000 | 76.000 |
| 0072 | 625.0500 | Salvaged Topsoil | SY | 67.000 | 67.000 |
| 0074 | 628.1905 | Mobilizations Erosion Control | EACH | 7.000 | 7.000 |

Estimate Of Quantities Page 3

| | | | | | 5991-05-28 | | |
|------|------------|--|------|------------|------------|--|--|
| Line | Item | Item Description | Unit | Total | Qty | | |
| 0152 | 999.1500.S | Crack and Damage Survey | LS | 1.000 | 1.000 | | |
| 0154 | ASP.1T0A | On-the-Job Training Apprentice at \$5.00/HR | HRS | 600.000 | 600.000 | | |
| 0156 | ASP.1T0G | On-the-Job Training Graduate at \$5.00/HR | HRS | 1,200.000 | 1,200.000 | | |
| 0158 | SPV.0060 | Special 01. Adjusting Water Valves | EACH | 19.000 | 19.000 | | |
| 0160 | SPV.0060 | Special 02. Manhole Covers Special | EACH | 18.000 | 18.000 | | |
| 0162 | SPV.0060 | Special 03. Inlet Covers Special | EACH | 7.000 | 7.000 | | |
| 0164 | SPV.0060 | Special 04. Replace Decorative Trench Grate | EACH | 4.000 | 4.000 | | |
| 0166 | SPV.0060 | Special 05. Salvage Decorative Trench Grate | EACH | 10.000 | 10.000 | | |
| 0168 | SPV.0060 | Special 06. Decorative Light Pole | EACH | 32.000 | 32.000 | | |
| 0170 | SPV.0060 | Special 07. Move Decorative Light Pole Assembly | EACH | 7.000 | 7.000 | | |
| 0172 | SPV.0060 | Special 08. Decorative Lighting Luminaire | EACH | 32.000 | 32.000 | | |
| 0174 | SPV.0060 | Special 09. Posts Steel U-Channel 14-FT | EACH | 12.000 | 12.000 | | |
| 0176 | SPV.0060 | Special 10. Decorative Bases | EACH | 39.000 | 39.000 | | |
| 0178 | SPV.0090 | Special 01. Furnish and Install Equivalent Lighting Conductors | LF | 13,782.000 | 13,782.000 | | |
| 0180 | SPV.0105 | Special 01. Concrete Pavement Joint Layout | LS | 1.000 | 1.000 | | |
| 0182 | SPV.0165 | Special 01. Decorative Terrace | SF | 6,353.000 | 6,353.000 | | |

REMOVING PAVEMENT

| | | | | | 204.0100 | |
|----------|---------|----|---------|----------------|----------|------------------|
| CATEGORY | STATION | TO | STATION | l LOCATION | SY | REMARKS |
| 0010 | 100+00 | _ | 104+54 | LT/RT | 2,004 | MAINLINE |
| 0010 | 105+27 | - | 108+69 | LT/RT | 1,511 | MAINLINE |
| 0010 | 108+81 | - | 109+42 | LT/RT | 173 | MAINLINE |
| 0010 | 109+42 | - | 113+99 | LT/RT | 2,038 | MAINLINE |
| 0010 | 9+62 A | - | 9+80 A | LT/RT | 88 | STATE ST |
| 0010 | 10+20 A | - | 10+36 A | LT/RT | 78 | STATE ST |
| 0010 | 113+78 | - | 114+33 | LT/RT | 225 | BADGER ST |
| 0010 | 101+38 | - | 101+56 | LT | 10 | DRIVEWAY |
| 0010 | 103+40 | - | 103+64 | RT | 12 | DRIVEWAY |
| 0010 | 104+19 | - | 104+50 | RT | 15 | DRIVEWAY |
| 0010 | 106+58 | - | 106+88 | LT | 16 | DRIVEWAY |
| 0010 | 110+60 | - | 110+89 | RT | 14 | DRIVEWAY |
| 0010 | 110+96 | - | 111+37 | RT | 20 | DRIVEWAY |
| 0010 | 13+97 | - | 114+10 | RT | 8 | DRIVEWAY, BADGER |
| | | | | PROJECT TOTALS | = 6,212 | |

REMOVING CURB & GUTTER

| | | | | | 204.0150 | |
|----------|---------|----|---------|----------|----------|---------|
| CATEGORY | STATION | TO | STATION | LOCATION | LF | REMARKS |
| 0010 | 100+00 | - | 100+40 | RT | 40 | |
| 0010 | 100+00 | - | 100+57 | LT | 65 | |
| 0010 | 100+92 | - | 104+71 | LT | 394 | |
| 0010 | 101+09 | | 104+54 | RT | 350 | |
| 0010 | 105+10 | - | 108+70 | RT | 368 | |
| 0010 | 105+27 | - | 108+70 | LT | 344 | |
| 0010 | 108+81 | - | 109+42 | RT | 61 | |
| 0010 | 108+81 | - | 109+39 | LT | 58 | |
| 0010 | 109+56 | - | 113+99 | LT | 462 | |
| 0010 | 109+56 | - | 114+33 | RT | 444 | |
| 0010 | 114+20 | - | 114+33 | LT | 14 | |

REMOVING LIGHTING SUMMARY

| | | | REMOVING CONCRETE | REMOVING LIGHT POLE | MOVE DECORATIVE | |
|----------|---------|------------------|----------------------|------------------------|--------------------|---------|
| | | | BASES | ASSEMBLY | LIGHT POLE | |
| | | | 204.0195 | 204.9060.s | SPV.0060.07 | |
| CATEGORY | STATION | LOCATION | EACH | EACH | EACH | REMARKS |
| 0010 | 100+98 | LT | 1 | _ | 1 | |
| 0010 | 101+11 | RT | 1 | _ | 1 | |
| 0010 | 101+66 | LT | 1 | 1 | _ | |
| 0010 | 101+92 | RT | 1 | 1 | _ | |
| 0010 | 102+69 | LT | 1 | 1 | _ | |
| 0010 | 103+30 | RT | 1 | 1 | _ | |
| 0010 | 103+92 | LT | 1 | 1 | _ | |
| 0010 | 104+53 | RT | 1 | 1 | _ | |
| 0010 | 104+65 | RT | 1 | _ | 1 | |
| 0010 | 104+67 | LT | 1 | 1 | _ | |
| 0010 | 105+15 | RT | 1 | _ | 1 | |
| 0010 | 105+30 | LT | 1 | 1 | - | |
| 0010 | 105+88 | RT | 1 | 1 | _ | |
| 0010 | 106+47 | LT | 1 | 1 | _ | |
| 0010 | 107+01 | RT | 1 | 1 | - | |
| 0010 | 107+58 | LT | 1 | 1 | - | |
| 0010 | 108+14 | RT | 1 | 1 | - | |
| 0010 | 108+70 | LT | 1 | _ | 1 | |
| 0010 | 109+84 | LT | 1 | 1 | - | |
| 0010 | 111+05 | LT | 1 | 1 | - | |
| 0010 | 111+43 | RT | 1 | 1 | - | |
| 0010 | 111+85 | LT | 1 | 1 | - | |
| 0010 | 112+38 | RT | 1 | 1 | - | |
| 0010 | 113+36 | RT | 1 | _ | 1 | |
| 0010 | 113+85 | LT | 1 | _ | 1 | |
| | | PROJECT TOTALS = | 25 | 18 | 7 | |

PROJECT TOTALS = 2600

PROJECT NO: 5991-05-28 HWY: 6TH STREET COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES SHEET **E**

FILE NAME : W:\59910527\C3D\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 01-mq PLOT DATE : 11/1/2017 10:48 AM

PLOT BY: CORONA WOYCHIK

PLOT NAME :

WISDOT/CADDS SHEET 42

| | | | | | 204.0155 | |
|----------|---------|----|---------|----------|----------|---------|
| CATEGORY | STATION | TO | STATION | LOCATION | SY | REMARKS |
| 0010 | 101+09 | _ | 101+95 | RT | 40 | |
| 0010 | 101+09 | - | 101+39 | LT | 16 | |
| 0010 | 101+55 | - | 101+75 | LT | 10 | |
| 0010 | 101+79 | - | 102+09 | LT | 16 | |
| 0010 | 102+14 | - | 102+45 | LT | 16 | |
| 0010 | 102+49 | - | 102+79 | LT | 16 | |
| 0010 | 102+55 | - | 103+42 | RT | 41 | |
| 0010 | 102+84 | - | 103+17 | LT | 17 | |
| 0010 | 103+22 | - | 103+57 | LT | 18 | |
| 0010 | 103+61 | - | 104+25 | RT | 30 | |
| 0010 | 104+05 | - | 104+34 | LT | 15 | |
| 0010 | 104+39 | - | 104+54 | LT | 8 | |
| 0010 | 104+47 | - | 104+50 | RT | 2 | |
| 0010 | 105+27 | - | 108+54 | RT | 162 | |
| 0010 | 106+86 | - | 107+47 | LT | 31 | |
| 0010 | 107+52 | - | 108+99 | LT | 96 | |
| 0010 | 109+29 | - | 111+87 | LT | 152 | |
| 0010 | 110+58 | - | 110+62 | RT | 2 | |
| 0010 | 110+87 | - | 110+98 | RT | 5 | |
| 0010 | 111+35 | - | 111+39 | RT | 2 | |
| 0010 | 113+01 | - | 113+63 | RT | 14 | |
| 0010 | 113+41 | - | 113+99 | LT | 27 | |
| 0010 | 113+87 | - | 113+88 | RT | 1 | |
| | | | | | | |

REMOVING INLETS

| CATEGORY | STATION | LOCATION | 204.0220 EACH | REMARKS |
|----------|---------|-------------|------------------|---------|
| 0010 | 100+52 | LT 26' | 1 | |
| 0010 | 101+00 | RT 25' | 1 | |
| 0010 | 101+01 | LT 25' | 1 | |
| 0010 | 102+79 | RT 22' | 1 | |
| 0010 | 102+79 | LT 22' | 1 | |
| 0010 | 104+64 | RT 26' | 1 | |
| 0010 | 104+65 | LT 26' | 1 | |
| 0010 | 105+16 | RT 27' | 1 | |
| 0010 | 111+71 | LT 22' | 1 | |
| 0010 | 111+71 | RT 22' | 1 | |
| | PROJEC | CT TOTALS = | 10 | |

PROJECT TOTALS = 737

EARTHWORK SUMMARY

| STATION TO STATION | LOCATION | COMMON EXCAVATION (1) | UNEXPANDED FILL | EXPANDED FILL (2) | MASS ORDINATE +/- (3) | WASTE | BORROW (ITEM 208.0100) | COMMENT: |
|-----------------------|------------|-----------------------------|--------------------|-------------------|-----------------------------|-------|------------------------------|----------|
| | | CUT | | FACTOR 1.30 | (3) | | 200.0100) | |
| 100+00 - 114+50 | 6TH/BADGER | 2956 | 1 | 1 | 2956 | 2955 | | |

- 1) COMMON EXCAVATION IS THE CUT. ITEM NUMBER 205.0100.
- 2) EXPANDED FILL FACTOR = 1.30; EXPANDED FILL = UNEXPANDED FILL * FILL FACTOR
- 3) THE MASS ORDINATE + OR QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL ON THE PROJECT.
- 4) ALL QUANTITIES SHOWN IN CY.

FINISHING ROADWAY (PROJECT) 01. 5991-05-28

| | 213.0100 | |
|--------------------|----------|----------|
| LOCATION | EACH | REMARKS |
| PROJECT 5991-05-28 | 1 | MAINLINE |
| PROJECT TOTALS = | 1 | |

HWY: 6TH STREET COUNTY: LA CROSSE PROJECT NO: 5991-05-28 MISCELLANEOUS QUANTITIES SHEET

PLOT NAME :

PROJECT TOTALS = 6,785

CONCRETE PAVEMENT 7-INCH

| | | | | | 415.0070 | |
|----------|---------|----|---------|----------|----------|-----------|
| CATEGORY | STATION | то | STATION | LOCATION | SY | REMARKS |
| 0010 | 100+00 | - | 108+69 | LT/RT | 3,980 | MAINLINE |
| 0010 | 108+81 | - | 109+42 | LT/RT | 173 | MAINLINE |
| 0010 | 109+42 | - | 113+99 | LT/RT | 2,038 | MAINLINE |
| 0010 | 9+62 A | - | 9+80 A | LT/RT | 88 | STATE ST |
| 0010 | 10+20 A | - | 10+36 A | LT/RT | 78 | STATE ST |
| 0010 | 19+57 в | - | 19+80 в | LT/RT | 116 | VINE ST |
| 0010 | 20+20 в | - | 20+36 в | LT/RT | 87 | VINE ST |
| 0010 | 113+78 | - | 114+33 | LT/RT | 225 | BADGER ST |
| | | | | | | |

CONCRETE PAVEMENT GAPS

| | | 415.0210 | |
|----------|------------------|----------|---------|
| CATEGORY | LOCATION | EACH | REMARKS |
| 0010 | UNDISTRIBUTED | 4 | |
| | PROJECT TOTALS = | 4 | |

CONCRETE PAVEMENT JOINT FILLING

| | | | | | 415.4100 | |
|----------|---------|----|---------|----------------|----------|-----------|
| CATEGORY | STATION | TO | STATION | LOCATION | SY | REMARKS |
| 0010 | 100+00 | - | 114+00 | LT/RT | 3,980 | MAINLINE |
| 0010 | 9+62 A | - | 9+80 A | LT/RT | 173 | STATE ST |
| 0010 | 10+20 A | - | 10+36 A | LT/RT | 2,038 | STATE ST |
| 0010 | 19+57 в | - | 19+79 в | LT/RT | 88 | VINE ST |
| 0010 | 20+21 B | - | 20+37 в | LT/RT | 78 | VINE ST |
| 0010 | 29+66 C | - | 29+88 C | LT/RT | 116 | PINE ST |
| 0010 | 113+78 | - | 114+33 | LT/RT | 87 | BADGER ST |
| 0010 | 100+00 | - | 100+40 | RT | 12 | CURB |
| 0010 | 100+00 | - | 100+57 | LT | 19 | CURB |
| 0010 | 100+92 | - | 104+71 | LT | 110 | CURB |
| 0010 | 101+09 | 0 | 104+54 | RT | 97 | CURB |
| 0010 | 105+10 | - | 108+70 | RT | 103 | CURB |
| 0010 | 105+27 | - | 108+70 | LT | 96 | CURB |
| 0010 | 108+81 | - | 109+42 | RT | 17 | CURB |
| 0010 | 109+56 | - | 113+99 | LT | 129 | CURB |
| | | | | PROJECT TOTALS | = 7.143 | |

PROJECT TOTALS = 7,143

| BASE | AGGREGATE | DENSE | 1 | 1/4-INCH |
|------|-----------|-------|---|----------|
| | | | | |

| 30 | ٦5 | . 01 | 20 |
|----|----|------|-----|
| ٠, | " | . Ол | -20 |

| | | | | | 305.0120 | |
|----------|---------|-------|-------------|---------------|----------|----------------------------|
| CATEGORY | STATION | TO | STATION | LOCATION | TON | REMARKS |
| 0010 | 100+00 | _ | 114+33 | LT/RT | 2769 | MAINLINE - 6TH & BADGER |
| 0010 | 9+52 A | _ | 9+62 A | LT/RT | 18 | ASPHALTIC SURFACE - STATE |
| 0010 | 10+36 A | _ | 10+46 A | LT/RT | 18 | ASPHALTIC SURFACE - STATE |
| 0010 | 19+47 B | _ | 19+57 B | LT/RT | 20 | ASPHALTIC SURFACE - VINE |
| 0010 | 20+37 B | _ | 20+47 B | LT/RT | 20 | ASPHALTIC SURFACE - VINE |
| 0010 | 114+33 | | 114+43 | LT/RT | 19 | ASPHATLIC SURFACE - BADGER |
| 0010 | 101+36 | _ | 101+58 | LT | 2 | CONCRETE DRIVEWAY |
| 0010 | 101+30 | _ | 101+30 | RT | 2 | CONCRETE DRIVEWAY |
| 0010 | 104+25 | _ | 104+48 | RT | 2 | CONCRETE DRIVEWAY |
| 0010 | 104+23 | _ | 104+48 | LT | 3 | CONCRETE DRIVEWAY |
| 0010 | 110+60 | | 110+89 | | 3 | |
| 0010 | 110+60 | | | RT | 4 | CONCRETE DRIVEWAY |
| | | - | 111+37 | RT | 2 | CONCRETE DRIVEWAY |
| 0010 | 112+36 | - | 112+54 | LT | | CONCRETE DRIVEWAY |
| 0010 | 113+95 | - | 114+12 | RT | 2 | CONCRETE DRIVEWAY |
| 0010 | 101+34 | | 101+38 | LT | 1 | CONCRETE SIDEWALK |
| 0010 | 101+56 | - | 101+60 | LT | 1 | CONCRETE SIDEWALK |
| 0010 | 103+39 | - | 103+43 | RT | 1 | CONCRETE SIDEWALK |
| 0010 | 103+59 | - | 103+63 | RT | 1 | CONCRETE SIDEWALK |
| 0010 | 104+22 | - | 104+26 | RT | 1 | CONCRETE SIDEWALK |
| 0010 | 104+46 | | 104+50 | RT | 1 | CONCRETE SIDEWALK |
| 0010 | 106+56 | - | 106+60 | LT | 1 | CONCRETE SIDEWALK |
| 0010 | 106+86 | - | 106+90 | LT | 1 | CONCRETE SIDEWALK |
| 0010 | 108+71 | - | 108+80 | LT | 3 | CONCRETE SIDEWALK |
| 0010 | 109+44 | - | 109+53 | LT | 3 | CONCRETE SIDEWALK |
| 0010 | 110+58 | - | 110+62 | RT | 1 | CONCRETE SIDEWALK |
| 0010 | 110+87 | - | 110+98 | RT | 1 | CONCRETE SIDEWALK |
| 0010 | 111+35 | - | 111+39 | RT | 1 | CONCRETE SIDEWALK |
| 0010 | 113+40 | - | 113+50 | RT | 1 | CONCRETE SIDEWALK |
| 0010 | 113+41 | - | 113+50 | LT | 1 | CONCRETE SIDEWALK |
| 0010 | 101+09 | | 101+34 | LT | 4 | DECORATIVE TERRACE |
| 0010 | 101+60 | - | 101+74 | LT | 2 | DECORATIVE TERRACE |
| 0010 | 101+61 | - | 103+39 | RT | 24 | DECORATIVE TERRACE |
| 0010 | 101+79 | - | 102+09 | LT | 4 | DECORATIVE TERRACE |
| 0010 | 102+14 | - | 102+45 | LT | 4 | DECORATIVE TERRACE |
| 0010 | 102+50 | _ | 103+17 | LT | 9 | DECORATIVE TERRACE |
| 0010 | 103+22 | - | 103+57 | LT | 5 | DECORATIVE TERRACE |
| 0010 | 103+62 | - | 104+34 | LT | 10 | DECORATIVE TERRACE |
| 0010 | 103+63 | - | 104+22 | RT | 8 | DECORATIVE TERRACE |
| 0010 | 104+39 | _ | 104+54 | LT | 2 | DECORATIVE TERRACE |
| 0010 | 105+27 | - | 106+56 | LT | 17 | DECORATIVE TERRACE |
| 0010 | 105+27 | - | 108+52 | RT | 43 | DECORATIVE TERRACE |
| 0010 | 106+90 | - | 107+48 | LT | 8 | DECORATIVE TERRACE |
| 0010 | 107+53 | - | 108+71 | LT | 19 | DECORATIVE TERRACE |
| 0010 | 108+81 | _ | 108+99 | LT | 6 | DECORATIVE TERRACE |
| 0010 | 109+29 | _ | 109+43 | LT | 4 | DECORATIVE TERRACE |
| 0010 | 109+53 | _ | 112+34 | LT | 42 | DECORATIVE TERRACE |
| 0010 | 111+39 | _ | 113+01 | RT | 20 | DECORATIVE TERRACE |
| 0010 | 112+56 | _ | 113+41 | LT | 11 | DECORATIVE TERRACE |
| 0010 | | | DISTRIBUTED | | 160 | |
| | | J. 12 | | | | |
| | | | Р | ROJECT TOTALS | = 3305 | |

PROJECT NO: 5991-05-28

HWY: 6TH STREET

COUNTY: LA CROSSE

MISCELLANEOUS QUANTITIES PLOT DATE : 11/1/2017 10:48 AM

PLOT NAME :

SHEET

WISDOT/CADDS SHEET 42

E

FILE NAME : W:\59910527\C3D\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 03-mq

PLOT BY: CORONA WOYCHIK

| CONCRETE DRIVEWAY 6-INCH | | | | | | | | | | | | | | |
|--------------------------|--------------|----------------|----------------------|--------------|------------------------------|-----------|---------------------------|--------------------|------------------|------------------|--------------|-------------|---------------------------|--|
| | CATEGORY | STATION TO S | TATION LOCAT | O REMAI | CONCRETE DRIVEWAY HES 6-INCH | | | | | | | | | |
| | 0010 | | 01+58 LT | | 112.70 | | | | CON | ICKETE DKIVE | WAY HES 6-IN | <u>CH</u> | | |
| | 0010 | 103+41 - 1 | 03+61 RT | | | | | | | | 416.0260 | | | |
| | 0010 | | 04+48 RT | | | | | TEGORY | LOC | ATION | SY | REMA | <u>IRKS</u> | |
| | 0010 0010 | | 06+88 LT 10+89 RT | | | | | 0010 | UNDIST | TRIBUTED | 30 | | | |
| | 0010 | | 11+37 RT | | | | | | PROJECT | TOTALS = | 30 | | | |
| | 0010 | | 12+54 LT | | | | | | | | | | | |
| | 0010 | 113+95 - 1 | 14+12 RT | 9 | ON BADGER | STREET | | | | | | | | |
| | | | PROJECT T | OTALS = 77 | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | CONCRETE COLLARS FOR PIPE | | | | | | | |
| | | | | | | | | | | | 520.8000 | | | |
| | | | | | | | CATE | GORY | STATION | LOCATION | EACH | REM | MARKS | |
| | | | DDTI LED DOW | EI DADC | | | 00 | | 100+52 | LT | 1 | | | |
| | | | <u>DRILLED DOW</u> | EL DAKS | | | 00 | | 101+00 | LT | 1 | | | |
| | | | | 416.0620 | | | 00 00 | | 102+78 102+79 | RT LT | 1 | | | |
| | | CATEGORY STA | TION LOCATION | | REMARKS | | 00 | | 102+79 | LT LT | 1 | | | |
| | | 0010 100 |)+00 LT & R | т 28 | | | 00 | | 111+71 | RT | 1 | | | |
| | | | 3+99 LT & R | | | | 00 | | 114+04 | RT | 1 | NORTHE | AST PIPE | |
| | | | PROJECT TO | | : | | 00 | | 114+04 | RT | 1 | | PIPE | |
| | | | . 105221 10 | 50 | | | 00 | | 114+04 | RT | 1 | | H PIPE | |
| | | | | | | | <u>00</u> | | 114+04 114+04 | RT RT | 1 1 | | <u>EST PIPE</u> - PIPE | |
| | | | | | | | 00 | | | TOTALS = | 11 | = | . 1. 0 | |
| | | | | | | | | | PROJECT | TOTALS = | 11 | | | |
| | | | | | | | | | | | | | | |
| | | | ASPHALTIC PAV | ING ITEMS | | | | <u>C</u> | ONCRETE C | URB & GUTTE | R 30-INCH TY | <u>PE A</u> | | |
| | | | | | | | | | | | | 601.0409 | | |
| | | | | TACK COAT | ASPHALTIC | | CATEGORY | STATIO | ON TO | STATION | LOCATION | LF | REMARKS | |
| | | | | 455.0605 | SURFACE 465.0105 | | 0010 | 100+0 | | 100+40 | RT | 40 | | |
| | CATEGORY | STATION TO STA | TION LOCATIO | | TON | REMARKS | 0010 | 100+0 | | 100+57 | LT | 65 204 | | |
| | 0010 | 9+52 A - 9+62 | | 3 | 11 | STATE ST | 0010 0010 | 100+9 101+0 | | 104+71 104+54 | LT RT | 394 346 | | |
| | 0010 | 10+36 A - 10+4 | | 3 | 11 | STATE ST | 0010 | 101+0 | | 104+34 | RT | 346 368 | | |
| | 0010 | 19+47 в - 19+5 | 7 B LT/RT | 4 | 13 | VINE ST | 0010 | 105+2 | | 108+70 | LT | 344 | | |
| | 0010 | 20+37 B - 20+4 | • | 4 | 13 | VINE ST | 0010 | 108+8 | 1 - | 109+39 | LT | 58 | | |
| | 0010 | 114+33 - 114- | | 3 | 12 | BADGER ST | 0010 | 108+8 | | 109+42 | RT | 61 | | |
| | | | PROJECT TOTA | ALS = 17 | 60 | | 0010 | 109+5 | | 113+99 | LT | 462 | | |
| | | | | | | | 0010 0010 | 109+5 114+2 | | 114+33 114+33 | RT LT | 444 14 | | |
| | | | | | | | 0010 | 11 4 +2 | - | | | | | |
| | | | | | | | | | | PROJECT | TOTALS = | 2596 | | |
| | | | <u> </u> | | | | MISCELLANEOUS QU | | | | | | SHEET | |
| OJECT NO | : 5991-05-28 | | HWY: 6TH STRE | | | LA CROSSE | | | | | | | | |

CONCRETE SIDEWALK 4-INCH

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

| | | | | | 602.0405 | |
|----------|---------|----|---------|----------|----------|---------|
| CATEGORY | STATION | TO | STATION | LOCATION | SF | REMARKS |
| 0010 | 101+34 | _ | 101+38 | LT | 11 | |
| 0010 | 101+56 | - | 101+60 | LT | 12 | |
| 0010 | 103+39 | - | 103+43 | RT | 11 | |
| 0010 | 103+59 | - | 103+63 | RT | 11 | |
| 0010 | 104+22 | - | 104+26 | RT | 11 | |
| 0010 | 104+46 | - | 104+50 | RT | 28 | _ |
| 0010 | 106+56 | - | 106+60 | LT | 11 | |
| 0010 | 106+86 | - | 106+90 | LT | 11 | |
| 0010 | 110+58 | - | 110+62 | RT | 11 | |
| 0010 | 110+87 | - | 110+98 | RT | 32 | |

RT

LT

PROJECT TOTALS = 229

11

37

32

111+35 - 111+39

113+40 - 113+50

113+41 - 113+50

602.0515 CATEGORY STATION LOCATION SF REMARKS 0010 113+44 10 RT 0010 113+45 LT 10 ON BADGER STREET PROJECT TOTALS = 20

RECONSTRUCTING INLETS

611.0430 CATEGORY STATION LOCATION EACH REMARKS 0010 104+64.58 LT 26.31' 1 REPLACE TOP AND RINGS PROJECT TOTALS = 1

STORM SEWER PIPE SUMMARY

| | | | STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH 608.0312 | STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH 608.0324 | |
|----------|---------|----------|---|---|----------------|
| CATEGORY | STATION | LOCATION | LF | LF | REMARKS |
| 0010 | 100+52 | LT | 8 | - | FROM INTAKE |
| 0010 | 101+01 | LT | 8 | - | FROM INTAKE |
| 0010 | 102+78 | RT | 8 | - | FROM INTAKE |
| 0010 | 102+79 | LT | 8 | - | FROM INTAKE |
| 0010 | 111+70 | LT | 8 | _ | FROM INTAKE |
| 0010 | 111+71 | RT | 8 | - | FROM INTAKE |
| 0010 | 114+04 | RT | 8 | _ | NORTHEAST PIPE |
| 0010 | 114+04 | RT | 8 | - | EAST PIPE |
| 0010 | 114+04 | RT | - | 8 | SOUTH PIPE |
| 0010 | 114+04 | RT | 8 | - | SOUTHWEST PIPE |
| 0010 | 114+04 | RT | 8 | - | WEST PIPE |
| | PROJECT | TOTALS = | 80 | 8 | |

Ε PROJECT NO: 5991-05-28 HWY: 6TH STREET COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES SHEET

0010

0010

0010

INLET SUMMARY

| CATEGORY | STATION | LOCATION | # | INLET COVERS SPECIAL SPV.0060.03 EACH | INLETS 4-FT DIAMETER 611.3004 EACH | REMARKS |
|----------|-----------|-----------|---------------|--|---|---------------------------------|
| 0010 | 100+51.55 | LT 25.95' | 101 | 1 | 1 | |
| 0010 | 101+00.55 | LT 24.68' | 102 | 1 | 1 | |
| 0010 | 102+78.49 | RT 22.25' | 105 | 1 | 1 | |
| 0010 | 102+79.39 | LT 22.25' | 104 | 1 | 1 | |
| 0010 | 105+15.70 | RT 27.43' | - | 1 | _ | REPLACE 6" OF RINGS AND CASTING |
| 0010 | 111+70.46 | LT 22.25' | 109 | 1 | 1 | |
| 0010 | 111+71.29 | RT 22.25' | 110 | 1 | 1 | |
| | | PRO | JECT TOTALS : | = 7 | 6 | |

ADJUSTING INLET COVERS

| | | | 611.8115 | |
|----------|-----------|-------------|----------|------------------------------|
| CATEGORY | STATION | LOCATION | EACH | REMARKS |
| 0010 | 108+56.66 | LT 20.76' | 1 | |
| 0010 | 113+70.60 | RT 21.42' | 1 | REPLACE RINGS, BADGER STREET |
| 0010 | 114+23.95 | LT 25.43' | 1 | REPLACE RINGS, BADGER STREET |
| | | | | |
| | PROJEC | CT TOTALS = | 3 | |

<u>WATER</u>

| | | 624.0100 | |
|----------|-----------------|----------|--------------|
| CATEGORY | LOCATION | MGAL | REMARKS |
| 0010 | PROJECT | 66 | COMPACTION |
| 0010 | PROJECT - | 10 | DUST CONTROL |
| PI | ROJECT TOTALS = | 76 | |

EROSION CONTROL MOBILIZATION

| | MOBILIZATIONS | MOBILIZATIONS | |
|--------------------|--------------------|----------------------|---------|
| | EROSION CONTROL | EMERGENCY EROSION | |
| | 628.1905 | 628.1910 | |
| LOCATION | EACH | EACH | REMARKS |
| PROJECT 5991-05-28 | 7 | 4 | |
| PROJECT TOTALS = | 7 | 4 | |

COVER PLATES TEMPORARY

| | | | 611.8120.s | |
|----------|----------|-------------|------------|--------|
| CATEGORY | STATION | LOCATION | EACH | REMARK |
| 0010 | 100+51.6 | LT 25.95' | 1 | INLET |
| 0010 | 100+82.2 | RT 33.5' | 1 | MANHOL |
| 0010 | 100+94.0 | RT 19.0' | 1 | MANHOL |
| 0010 | 100+95.5 | LT 4.8' | 1 | MANHOL |
| 0010 | 100+99.8 | RT 25.12' | 1 | INLET |
| 0010 | 101+00.6 | LT 24.68' | 1 | INLET |
| 0010 | 102+78.5 | RT 22.25' | 1 | INLET |
| 0010 | 102+79.4 | LT 22.25' | 1 | INLET |
| 0010 | 102+87.4 | LT 4.7' | 1 | MANHOL |
| 0010 | 104+64.2 | RT 25.79' | 1 | INLET |
| 0010 | 104+64.6 | LT 26.31' | 1 | INLET |
| 0010 | 104+82.7 | LT 4.1' | 1 | MANHOL |
| 0010 | 104+82.8 | RT 33.2' | 1 | MANHOL |
| 0010 | 105+15.7 | RT 27.43' | 1 | INLET |
| 0010 | 108+69.6 | LT 4.9' | 1 | MANHOL |
| 0010 | 109+21.4 | LT 6.0' | 1 | MANHOL |
| 0010 | 110+75.9 | LT 12.3' | 1 | MANHOL |
| 0010 | 110+99.9 | LT 12.3' | 1 | MANHOL |
| 0010 | 111+49.9 | LT 6.8' | 1 | MANHOL |
| 0010 | 111+70.5 | LT 22.25' | 1 | INLET |
| 0010 | 111+71.3 | RT 22.25' | 1 | INLET |
| 0010 | 112+21.3 | LT 5.7' | 1 | MANHOL |
| 0010 | 113+44.3 | LT 5.8' | 1 | MANHOL |
| 0010 | 114+03.8 | RT 6.3' | 1 | MANHOL |
| | CAT 0 | 010 TOTAL = | 24 | |
| 0020 | 100+76.0 | RT 0.3' | 1 | MANHOL |
| 0020 | 104+89.1 | CL | 1 | MANHOL |
| 0020 | 109+03.0 | CL | 1 | MANHOL |
| 0020 | 110+80.2 | LT 0.2' | 1 | MANHOL |
| 0020 | 112+40.6 | RT 3.6' | 1 | MANHOL |
| | CAT 0 | 020 TOTAL = | 5 | |
| | PROJE | CT TOTALS = | 29 | |

COUNTY: LA CROSSE SHEET E HWY: 6TH STREET PROJECT NO: 5991-05-28 MISCELLANEOUS QUANTITIES

MANHOLE SUMMARY

| CATEGORY | STATION | LOCATION | # | REMOVING MANHOLES 204.0210 EACH | RECONSTRUCTING MANHOLES 611.0420 EACH | MANHOLES 4-FT DIAMETER 611.2004 EACH | MANHOLES 5-FT DIAMETER 611.2005 EACH | ADJUSTING MANHOLE COVERS 611.8110 EACH | MANHOLE COVERS SPECIAL SPV.0060.02 EACH | REMARKS |
|----------|----------|----------|------------------|--|--|--|--|--|---|---|
| 0010 | 100+82.2 | RT 33.5' | 4 | _ | _ | _ | _ | _ | 1 | 6TH/STATE, STORM EAST, REPLACE 4" OF RINGS AND CASTING |
| 0010 | 100+94.0 | RT 19.0' | 8 | _ | _ | _ | _ | _ | 1 | 6TH/STATE, STORM NORTHEAST, REPLACE CASTING |
| 0010 | 100+95.5 | LT 4.8' | 9 | _ | _ | _ | _ | _ | 1 | 6TH/STATE, STORM NORTH, REPLACE 6" OF RINGS AND CASTING |
| 0010 | 102+87.4 | LT 4.7' | 13 | _ | _ | _ | _ | 1 | - | STORM, ADJUSTMENT ONLY |
| 0010 | 104+82.7 | LT 4.1' | 15 | _ | _ | _ | _ | _ | 1 | 6TH/VINE, STORM, REPLACE 6" OF RINGS AND CASTING |
| 0010 | 104+82.8 | RT 33.2' | 16 | _ | - | _ | _ | _ | 1 | 6TH/VINE, STORM EAST, REPLACE 1' OF RINGS AND CASTING |
| 0010 | 108+69.6 | LT 4.9' | 21 | _ | _ | _ | _ | _ | 1 | 6TH/PINE, STORM SOUTH, REPLACE 1' OF RINGS AND CASTING |
| 0010 | 109+21.4 | LT 6.0' | 23 | _ | _ | _ | _ | _ | 1 | 6TH/PINE, STORM NORTH, REPLACE 4" OF RINGS AND CASTING |
| 0010 | 110+75.9 | LT 12.3' | 25 | _ | _ | _ | _ | _ | 1 | STORM SOUTH 1, REPLACE 6" OF RINGS AND CASTING |
| 0010 | 110+99.9 | LT 12.3' | 24 | _ | - | _ | _ | _ | 1 | STORM SOUTH 2, REPLACE 6" OF RINGS AND CASTING |
| 0010 | 111+49.9 | LT 6.8' | 26 | - | - | _ | _ | _ | 1 | STORM NORTH 1, REPLACE 1' OF RINGS AND CASTING |
| 0010 | 112+21.3 | LT 5.7' | 27 | _ | - | _ | _ | _ | 1 | STORM NORTH 2, REPLACE 6" OF RINGS AND CASTING |
| 0010 | 113+44.3 | LT 5.8' | 28 | _ | - | - | _ | _ | 1 | 6TH/BADGER, STORM WEST, REPLACE 1' OF RINGS AND CASTING |
| 0010 | 114+03.8 | RT 6.3' | 30 | 1 | - | - | 1 | - | 1 | 6TH/BADGER, STORM EAST, REPLACE STRUCTURE AND CASTING |
| | | | CAT 0010 TOTAL= | 1 | 0 | 0 | 1 | 1 | 13 | |
| 0020 | 100+76.0 | RT 0.3' | 3 | _ | 1 | _ | _ | _ | 1 | 6TH/STATE, REPLACE TOP 2 FT OF STRUCTURE AND CASTING |
| 0020 | 100+88.8 | RT 35.1' | 6 | _ | - | _ | _ | 1 | - | WATER |
| 0020 | 100+89.1 | LT 32.8' | 7 | _ | - | _ | _ | 1 | - | WATER |
| 0020 | 101+09.0 | RT 10.6' | | _ | - | _ | _ | 1 | - | WATER |
| 0020 | 104+89.1 | CL | 17 | - | - | - | - | - | 1 | 6TH/VINE, SANITARY, REPLACE CASTING |
| 0020 | 109+03.0 | CL | 22 | 1 | - | 1 | _ | _ | 1 | 6TH/PINE, SANITARY, REPLACE STRUCTURE AND CASTING |
| 0020 | 110+80.2 | LT 0.2' | 25 | - | - | - | - | - | 1 | 6TH/BADGER SANITARY, REPLACE 1' OF RINGS AND CASTING |
| 0020 | 112+40.6 | RT 3.6' | | - | - | - | - | - | 1 | 6TH, SANITARY, REPLACE 6" OF RINGS AND CASTING |
| | | | CAT 0020 TOTAL = | 1 | 1 | 1 | 0 | 3 | 5 | |
| | | | PROJECT TOTALS= | 2 | 1 | 1 | 1 | 4 | 18 | |

PROJECT NO: 5991-05-28 HWY: 6TH STREET COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES SHEET

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INLET PROTECTION SUMMARY

| CATEGORY | STATION | LOCATION | INLET PROTECTION TYPE A 628.7005 EACH | INLET PROTECTION TYPE B 628.7010 EACH | INLET PROTECTION TYPE C 628.7015 EACH | REMARKS |
|----------|---------|-----------------|---------------------------------------|---------------------------------------|---------------------------------------|-----------|
| 0010 | 100+51 | RT 25' | 1 | _ | 2 | * |
| 0010 | 100+51 | LT 26' | 1 | _ | 2 | * |
| 0010 | 101+00 | RT 25' | 1 | _ | 2 | * |
| 0010 | 101+01 | LT 25' | 1 | _ | 2 | * |
| 0010 | 102+78 | RT 22' | 1 | 1 | 1 | * |
| 0010 | 102+79 | LT 22' | 1 | _ | 2 | * |
| 0010 | 104+64 | RT 26' | 1 | _ | 2 | * |
| 0010 | 104+65 | LT 26' | 1 | _ | 2 | * |
| 0010 | 105+13 | LT 34' | 1 | _ | 2 | * |
| 0010 | 105+16 | RT 27' | 1 | _ | 2 | * |
| 0010 | 108+57 | LT 21' | 1 | = | 2 | * |
| 0010 | 109+41 | LT 16' | 1 | - | 2 | * |
| 0010 | 111+70 | LT 22' | 1 | = | 2 | * |
| 0010 | 111+71 | RT 22' | 1 | _ | 2 | * |
| 0010 | 113+71 | RT 21' | 1 | _ | 2 | BADGER, * |
| 0010 | 114+24 | LT 25' | _ | - | 1 | BADGER, * |
| | i | PROJECT TOTALS= | 15 | 1 | 30 | |

* TYPE B & C TO BE PLACED AT START OF PROJECT. TYPE A WILL BE PLACED ONCE THE CURB IS REMOVED AND TYPE C WILL BE REPLACED AFTER THE NEW CURB IS INSTALLED

TRACKING PADS

| | | 628.7560 | |
|----------|-----------------|----------|---------|
| CATEGORY | LOCATION | EACH | REMARKS |
| 0010 | UNDISTRIBUTED | 1 | |
| | PROJECT TOTALS= | 1 | |

ROCK BAGS

| CATEGORY | STATION | LOCATION | 628.7570 EACH | REMARKS |
|----------|---------|-----------------|------------------|---------|
| 0010 | 108+55 | RT | 1 | _ |
| 0010 | 108+62 | RT | 1 | |
| 0010 | 108+70 | RT | 1 | |
| 0010 | 108+87 | RT | 1 | |
| 0010 | 109+05 | RT | 1 | |
| 0010 | 109+19 | RT | 1 | |
| 0010 | 109+31 | RT | 1 | |
| 0010 | 109+42 | RT | 1 | |
| 0010 | 109+61 | RT | 1 | |
| 0010 | 109+69 | RT | 1 | |
| 0010 | 109+94 | RT | 1 | |
| 0010 | 110+05 | RT | 1 | |
| 0010 | 110+29 | RT | 1 | |
| 0010 | 110+43 | RT | 1 | |
| | | PROJECT TOTALS= | = <u>14</u> | |

SALVAGED TOPSOIL, SEEDING, FERTILIZER, AND EROSION MAT

| CATEGORY | STATION T | ΓΟ STATION | LOCATION | SALVAGED TOPSOIL 625.0500 SY | EROSION MAT URBAN CLASS I TYPE B 628.2008 SY | FERTILIZER TYPE B 629.0210 CWT | SEEDING MIXTURE TYPE NO. 40 630.0140 LB | REMARKS |
|----------|-----------|------------|-----------------|---------------------------------------|--|---|---|---------------|
| 0010 | 113+01 | 113+40 | RT | 16 | 16 | * | * | 6TH STREET |
| 0010 | 113+50 | 113+99 | LT | 24 | 24 | * | * | 6TH STREET |
| 0010 | 113+63 | 113+97 | RT | 14 | 14 | * | * | BADGER STREET |
| 0010 | 114+10 | 114+33 | RT | 12 | 12 | * | * | BADGER STREET |
| 0010 | UNDIST | RIBUTED | LT/RT | 17 | 17 | 0.1 | 2 | |
| | | | PROJECT TOTALS= | 67 | 67 | 0.1 | 2 | |

*DUE TO SMALL QUANTITY THESE LOCATION AMOUNTS ARE INCLUDED WITHIN THE UNDISTRIBUTED AMOUNT.

PROJECT NO: 5991-05-28 HWY: 6TH STREET COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES SHEET **E**

PERMANENT SIGNING SUMMARY (RT-NB)

| | | | | | | SIGN SIZE | REMOVING SIGNS TYPE II | REMOVING SMALL SIGN SUPPORTS | POSTS STEEL U-CHANNEL 14-FT | SIGNS TYPE II REFLECTIVE H | SIGNS TYPE II REFLECTIVE F | MOUNTED ON SAME POST AS | |
|----------|--------|---------|----------|--------|--|--------------|------------------------------|------------------------------------|-----------------------------------|----------------------------------|----------------------------------|-------------------------------|-------------------------|
| | SIGN | | | SIGN | SIGN | IN | =133 | 638.3000 | SPV.0060.09 | 637.2210 | 637.2230 | SIGN | |
| CATEGORY | NUMBER | STATION | LOCATION | CODE | MESSAGE | INCHES | EACH | EACH | EACH | SF | SF | NUMBER | REMARKS |
| 0010 | 1+01 | 100+39 | RT | R1-1 | STOP | 30x30 | 1 | | | 5.18 | | 102 | MOUNTED ON LP |
| 0010 | 1+02 | 100+39 | RT | R1-3P | ALL WAY | 18x6 | 1 | | | 0.75 | | 101 | MOUNTED ON LP |
| 0010 | 1+03 | 100+95 | RT | R1-1 | STOP | 30x30 | 1 | 1 | 1 | 5.18 | | 104 | |
| 0010 | 1+04 | 100+95 | RT | R1-3P | ALL WAY | 18x6 | 1 | _ | _ | 0.75 | | 103 | |
| 0010 | 1+05 | 101+91 | RT | R7-1B | NO PARKING ANY TIME (WITH DOUBLE ARROW) | 12x18 | _ 1 | | | 01.0 | | | MOUNTED ON LP |
| 0010 | 1+06 | 103+66 | RT | - | NO PARKING LOADING ZONE 8AM TO 9PM EXCEPT | 12x18 | 1 | 1 | 1 | | | | HOURTED ON E. |
| 0020 | | | | | SAT. SUN. & HOL. | | _ | _ | _ | | | | |
| 0010 | 1+07 | 104+13 | RT | _ | NO PARKING LOADING ZONE 8AM TO 9PM EXCEPT | 12x18 | 1 | 1 | 1 | | | 108 | |
| | | | | | SAT. SUN. & HOL. | | | | | | | | |
| 0010 | 1+08 | 104+13 | RT | _ | 10 MIN. LIMIT PAYMENT DROP OFF CREDIT BUREAU | 12x18 | 1 | | | | | 107 | |
| | | | | | DATA | | | | | | | | |
| 0010 | 1+09 | 105+15 | RT | R1-1 | STOP | 30x30 | 1 | | | 5.18 | | | MOUNTED ON LP |
| 0010 | 2+01 | 110+18 | RT | _ | 2 HOUR PARKING 8AM TO 6PM EXCEPT SAT. SUN. & | 12x18 | 1 | | | | | | MOUNTED ON LP |
| | | | | | HOL. | | | | | | | | |
| 0010 | 2+02 | 111+42 | RT | - | 2 HOUR PARKING 8AM TO 6PM EXCEPT SAT. SUN. & | 12x18 | 1 | | | | | | MOUNTED ON LP |
| | | | | | HOL. | | | | | | | | |
| 0010 | 3+01 | 112+37 | RT | _ | 2 HOUR PARKING 8AM TO 6PM EXCEPT SAT. SUN. & | 12x18 | 1 | | | | | | MOUNTED ON LP |
| | | | | | HOL. | | | | | | | | |
| 0010 | 3+02 | 112+93 | RT | W1-10R | HORIZONTAL CURVE WITH INTERSECTION (SYMBOL) | 24x24 | | | 1 | | 4.00 | 303 | NEW SIGN |
| 0010 | 3+03 | 112+93 | RT | W13-1 | 15 MPH | 18x18 | | | | | 2.25 | 302 | NEW SIGN |
| 0010 | 3+04 | 113+36 | RT | R7-1L | NO PARKING (WITH LEFT ARROW) | 12x18 | 1 | | | | | 306 | MOUNTED ON LP |
| 0010 | 3+05 | 113+36 | RT | _ | HEAR HERE | 12x15 | 1 | | | | | 304 | SAME BANDS AS HEAR HERE |
| 0010 | 3+06 | 113+36 | RT | - | HEAR HERE | 12x15 | 1 | | | | | 305 | SAME BANDS AS HEAR HERE |
| 0010 | 3+07 | 114+23 | RT | R7−1R | NO PARKING (WITH RIGHT ARROW) | 12x18 | 1 | | | | | | MOUNTED ON LP |
| | | | | | | | | | | | | | |
| | | | | | PAGE S | UBTOTAL = | 17 | 3 | 4 | 17.04 | 6 | | |

COUNTY: LA CROSSE HWY: 6TH STREET SHEET E PROJECT NO: 5991-05-28 MISCELLANEOUS QUANTITIES

PERMANENT SIGNING SUMMARY (LT-SB)

| CATEGORY | SIGN ′ NUMBER | STATTON | LOCATION | SIGN CODE | SIGN MESSAGE | SIGN SIZE IN INCHES | REMOVING SIGNS TYPE II 638.2602 EACH | REMOVING SMALL SIGN SUPPORTS 638.3000 EACH | POSTS STEEL U-CHANNEL 14-FT SPV.0060.09 EACH | SIGNS TYPE II REFLECTIVE H 637.2210 SF | SIGNS TYPE II REFLECTIVE F 637.2230 SF | MOUNTED ON SAME POST AS SIGN NUMBER | REMARKS |
|----------|------------------|------------------|----------|--------------|--|------------------------------|--|--|--|--|--|---|-------------------------|
| 0010 | 3+08 | 114+58 | LT | W1-10L | HORIZONTAL CURVE WITH INTERSECTION (SYMBOL) | 24x24 | LACII | LACII | 1 | Ji | 4.00 | 309 | NEW SIGN |
| 0010 | 3+09 | 114+58 | LT | W13-1 | 15 MPH | 18x18 | | | - | | 2.25 | 308 | NEW SIGN |
| 0010 | 3+10 | 114+31 | LT | R3-1 | NO RIGHT TURN (SYMBOL) | 24x24 | 1 | | | 4 | 2.23 | 314 | MOUNTED ON LP |
| 0010 | 3+10 | 114+31 | LT | R7-53 | NO PARKING THIS SIDE OF STREET | 12x18 | 1 | | | 7 | | 310 | MOUNTED ON LP |
| 0010 | 3+11 | 114+31 | LT | K/-33 | HEAR HERE | 12x15 | 1 | | | | | 311 | SAME BANDS AS HEAR HERE |
| 0010 | 3+12 | 114+31 | LT | | HEAR HERE | 12x15 | <u>+</u> | | | | | 312 | SAME BANDS AS HEAR HERE |
| | 3+13 3+14 | 114+31 | | - R5-1 | | | 1 | 1 | 1 | 6.25 | | 312 | SAME BANDS AS HEAR HERE |
| 0010 | | | LT | | DO NOT ENTER (SYMBOL) | 30x30 | 1 | 1 | 1 | | | 216 | |
| 0010 | 3+15 | 113+92 | LT | R5-1 | DO NOT ENTER (SYMBOL) | 30x30 | 1 | 1 | 1 | 6.25 | | 316 | |
| 0010 | 3+16 | 113+92 | LT | R1-1 | STOP | 30x30 | 1 | | | 5.18 | | 315 | |
| 0010 | 3+17 | 113+65 | LT | R5-1 | DO NOT ENTER (SYMBOL) | 30x30 | <u> </u> | | | - 10 | | 318 | MOUNTED ON LP |
| 0010 | 3+18 | 113+65 | LT | R1-1 | STOP | 30x30 | 1 | | | 5.18 | | 317 | MOUNTED ON LP |
| 0010 | 3+19 | 113+48 | LT | w1-6 | LEFT ARROW (SYMBOL, BLACK ON YELLOW) | 36x18 | 1 | 1 | 1 | | 4.50 | | |
| 0010 | 3+20 | 113+02 | LT | R7−1B | NO PARKING (SYMBOL WITH DOUBLE ARROW) | 12x18 | 1 | 1 | | | | | |
| 0010 | 3+21 | 112+23 | LT | R7−1B | NO PARKING (SYMBOL WITH DOUBLE ARROW) | 12x18 | 1 | 1 | | | | | |
| 0010 | 3+22 | 111+66 | LT | R7-8R | RESERVED PARKING HANDICAP (WITH RIGHT ARROW) | 12x18 | 1 | 1 | 1 | | | 323 | |
| 0010 | 3+23 | 111+66 | LT | - | VIOLATORS WILL BE TICKETED \$100 FORFEITURE CITY ORDINANCE 9.25(b)(3) WIS. STATUTE 46.505(2) | 12x6 | 1 | | | | | 322 | |
| 0010 | 2+03 | 109+93 | LT | R1-5L | YIELD HERE TO PEDESTRIANS (SYMBOLS) | 18x18 | 1 | 1 | 1 | 2.25 | | | |
| 0010 | 2+04 | 109+85 | LT | | 2 HOUR PARKING 8 AM TO 6PM EXCEPT SAT. SUN. & HOL. | 12x18 | 1 | | | | | | MOUNTED ON LP |
| 0010 | 2+05 | 108+22 | LT | R7−1R | NO PARKING (WITH RIGHT ARROW) | 12x18 | 1 | 1 | 1 | | | | |
| 0010 | 2+06 | 107+59 | LT | | 2 HOUR PARKING 8 AM TO 6PM EXCEPT SAT. SUN. & HOL. | 12x18 | 1 | | | | | | MOUNTED ON LP |
| 0010 | 2+07 | 106+47 | LT | | 2 HOUR PARKING 8 AM TO 6PM EXCEPT SAT. SUN. & HOL. | 12x18 | 1 | | | | | | MOUNTED ON LP |
| 0010 | 1+10 | 104+66 | LT | R1-1 | STOP | 30x30 | 1 | | | 5.18 | | 111 | MOUNTED ON LP |
| 0010 | 1+11 | 104+66 | LT | R3-4 | NO U-TURN (SYMBOL) | 24x24 | 1 | | | | | 110 | MOUNTED ON LP |
| 0010 | 1+12 | 103+92 | LT | - | 2 HOUR PARKING 8AM TO 6PM EXCEPT SAT. SUN. & HOL., 1 HOUR PARKING 2AM TO 8AM EVERYDAY | 12x18 | 1 | | | | | | MOUNTED ON LP |
| 0010 | 1+13 | 102+70 | LT | - | 2 HOUR PARKING 8AM TO 6PM EXCEPT SAT. SUN. & HOL., 1 HOUR PARKING 2AM TO 8AM EVERYDAY | 12x18 | 1 | | | | | 445 | MOUNTED ON LP |
| 0010 | 1+14 | 101+13 | LT | R1-1 | STOP | 30x30 | 1 | 1 | T | 5.18 | | 115 | |
| 0010 | 1+15 | 101+13 | LT | R1-3 | 4-WAY | 18x6 | 1 | | | ^ - - | | 114 | REMOVE SIGN |
| 0010 | 1+16 | 100+49 | LT | R1-3P | ALL WAY | 18x6 | | | | 0.75 | | | NEW SIGN |
| 0010 | 1+17 | 100+49 | LT | R1-1 | STOP | 30x30 | 1 | | | 5.18 | | | MOUNTED ON LP |
| 0010 | 1+18 1+19 | 100+49 100+40 | LT LT | R1-3P - | ALL WAY 15 MIN PARKING 8AM TO 6PM, EXCEPT SAT. SUN. & | 18x6 12x18 | 1 | | | 0.75 | | 120 | NEW SIGN, MOUNT ON LE |
| 0010 | 1+20 | 100+40 | LT | _ | HOL. 1 HOUR PARKING 2AM TO 8AM EXCEPT SAT LEFT ARROW (SYMBOL) | 12×10 | 1 | | | | | 119 | MOUNTED ON LP |
| 0010 | 1+20 | 100+40 | LT | _ | NO PARKING (SYMBOL WITH LEFT ARROW) | 12x18 | 1 | 1 | 1 | | | 123 | PICONTED ON EF |
| 0010 | 1+21 | 100+09 | LT | _ | 15 MIN PARKING 8AM TO 6PM, EXCEPT SAT. SUN. & | | 1 | Τ. | 1 | | | 123 | |
| 0010 | 1+22 | T00+03 | LI | - | · · · · · · · · · · · · · · · · · · · | 12x18 | Т | | | | | 141 | |
| 0010 | 1+23 | 100+09 | LT | _ | HOL. 1 HOUR PARKING 2AM TO 8AM EXCEPT SAT RIGHT ARROW (SYMBOL) | 12x6 | 1 | | | | | 122 | |
| | | | | | | UBTOTAL = | 28 | 9 | 8 | 46.15 | 11 | | |
| | | | | | DDGTECT | TOTALS | 45 | 12 | 12 | 62 10 | | | |
| | | | | | PROJECT | TOTALS = | 45 | 12 | 12 | 63.19 | 1/ | | |
| | | | | | | | | | | | | | SHEET |

PLOT DATE : 11/1/2017 10:48 AM

PLOT BY: CORONA WOYCHIK

PLOT NAME :

3

FIELD OFFICE TYPE B

TRAFFIC CONTROL

A PROJECT TOTALS = 1

HWY: 6TH STREET

TRAFFIC CONTROL SUMMARY

| _CATEGORY | LOCATION | TRAFFIC CONTROL DRUMS 643.0300 DAY | EACH | TRAFFIC CONTROL BARRICADES TYPE III 643.0420 DAY | EACH | TRAFFIC CONTROL WARNING LIGHTS TYPE A 643.0705 DAY | EACH | TRAFFIC CONTROL SIGNS 643.0900 DAY | REMARKS |
|-----------|---------------------------------|--|------|---|------|--|------|--|-------------|
| 0010 | 6TH ST SOUTH OF PROJECT | _ | 3 | 273 | 4 | 364 | 4 | 364 | |
| 0010 | STATE ST NORTH OF PROJECT | _ | 3 | 273 | 4 | 364 | 3 | 273 | |
| 0010 | STATE ST SOUTH OF PROJECT | _ | 3 | 273 | 4 | 364 | 3 | 273 | |
| 0010 | VINE ST NORTH OF PROJECT | _ | 3 | 273 | 4 | 364 | 3 | 273 | |
| 0010 | VINE ST SOUTH OF PROJECT | _ | 3 | 273 | 4 | 364 | 3 | 273 | |
| 0010 | BADGER ST | - | 3 | 273 | 4 | 364 | 3 | 273 | _ |
| 0010 | 6TH ST SOUTH OF PROJECT | - | - | - | _ | _ | 6 | 546 | DETOUR SIGN |
| 0010 | 7TH ST AND MAIN ST INTERSECTION | - | - | _ | - | - | 8 | 728 | DETOUR SIGN |
| 0010 | 7TH ST AND VINE ST INTERSECTION | - | - | - | _ | - | 4 | 364 | DETOUR SIGN |
| 0010 | BADGER ST | - | - | - | - | - | 6 | 546 | DETOUR SIGN |
| 0010 | UNDISTRIBUTED | 500 | | 164 | - | 219 | - | 392 | |
| | PROJECT TOTALS = | 500 | = : | 1802 | = | 2403 | : | 4305 | |

PAVEMENT MARKING SUMMARY

| MARKING | LINE | EPOXY | 4-INCH |
|---------|------|--------------|--------|
|---------|------|--------------|--------|

| | | | | MARKING LINE LFOXT 4-INCIT | | MARKENIC | MARKENIC | | |
|----------|------------|---------|---------------|----------------------------|----------|--------------------|----------------------|----------------------------|---------------|
| | | | | | 646.1020 | | MARKING STOP LINE | MARKING CROSSWALK EPOXY | |
| | | | | | | 3' LINE, 9' GAP | EPOXY 18- INCH | TRANSVERSE LINE 6-INCH | |
| | | | | YELLOW | WHITE | WHITE | 646.6120 | 646.7420 | |
| CATEGORY | STATION TO | STATION | LOCATION | LF | LF | LF | LF | LF | REMARKS |
| 0010 | 100+00 - | 100+39 | LT/RT | 10 | - | - | - | - | |
| 0010 | 100+39 | 101+09 | LT/RT | - | - | - | 21 | 187 | |
| 0010 | 101+09 | 104+57 | LT/RT | 90 | 1185 | 50 | 24 | - | |
| 0010 | 104+57 | 105+22 | LT/RT | _ | - | - | _ | 200 | |
| 0010 | 105+22 | 108+71 | LT/RT | 90 | 1220 | 50 | _ | _ | |
| 0010 | 108+71 | 108+81 | LT/RT | - | - | - | - | 58 | |
| 0010 | 108+81 | 109+43 | LT/RT | 20 | _ | - | _ | - | |
| 0010 | 109+43 | 109+53 | LT/RT | - | - | - | - | 58 | |
| 0010 | 109+53 | 113+42 | LT/RT | 100 | 1480 | - | - | - | BADGER STREET |
| 0010 | 113+42 | 113+48 | LT/RT | - | - | - | _ | 94 | BADGER STREET |
| 0010 | 113+48 | 114+33 | LT/RT | 25 | 195 | - | - | - | BADGER STREET |
| 0010 | 9+52 A | 9+73 A | LT/RT | _ | - | - | 20 | 88 | |
| 0010 | 10+27 A | 10+46 A | LT/RT | _ | _ | - | 20 | 87 | |
| 0010 | 19+47 в | 19+73 в | LT/RT | _ | _ | - | 22 | 98 | |
| 0010 | 20+27 в | 20+47 в | LT/RT | _ | _ | - | 22 | 97 | |
| | | | SUBTOTALS = | 335 | 4080 | 100 | 129 | 967 | |
| | | PROJECT | Γ SUBTOTALS = | | 4515 | | 129 | 967 | |

PROJECT NO: 5991-05-28

COUNTY: LA CROSSE

MISCELLANEOUS QUANTITIES

SHEET

E

PAVEMENT MARKING SUMMARY - BIKE LANE ARROWS AND SYMBOLS

| MARKING | MARKING |
|----------|----------|
| ARROW | SYMBOL |
| EPOXY | EPOXY |
| 646.5020 | 646.5220 |

| | | | 646.5020 | 646.5220 | |
|----------|---------|-------------|----------|----------|-------------------------|
| CATEGORY | STATION | LOCATION | EACH | EACH | REMARKS |
| 0010 | 101+27 | RT | | 1 | BIKE LANE SYMBOL |
| 0010 | 101+39 | RT | 1 | | BIKE LANE ARROW |
| 0010 | 102+11 | LT | 1 | | BIKE LANE ARROW |
| 0010 | 102+23 | LT | | 1 | BIKE LANE SYMBOL |
| 0010 | 103+27 | RT | | 1 | BIKE LANE SYMBOL |
| 0010 | 103+39 | RT | 1 | | BIKE LANE ARROW |
| 0010 | 104+11 | LT | 1 | | BIKE LANE ARROW |
| 0010 | 104+23 | LT | | 1 | BIKE LANE SYMBOL |
| 0010 | 105+55 | RT | | 1 | BIKE LANE SYMBOL |
| 0010 | 105+67 | RT | 1 | | BIKE LANE ARROW |
| 0010 | 106+30 | LT | 1 | | BIKE LANE ARROW |
| 0010 | 106+42 | LT | | 1 | BIKE LANE SYMBOL |
| 0010 | 107+70 | RT | | 1 | BIKE LANE SYMBOL |
| 0010 | 107+82 | RT | 1 | | BIKE LANE ARROW |
| 0010 | 108+30 | LT | 1 | | BIKE LANE ARROW |
| 0010 | 108+42 | LT | | 1 | BIKE LANE SYMBOL |
| 0010 | 109+14 | RT | | 1 | SHARED BIKE LANE SYMBOL |
| 0010 | 109+14 | LT | | 1 | SHARED BIKE LANE SYMBOL |
| 0010 | 109+81 | LT | 1 | | BIKE LANE ARROW |
| 0010 | 109+82 | RT | | 1 | BIKE LANE SYMBOL |
| 0010 | 109+94 | LT | | 1 | BIKE LANE SYMBOL |
| 0010 | 109+94 | RT | 1 | | BIKE LANE ARROW |
| 0010 | 111+21 | LT | 1 | | BIKE LANE ARROW |
| 0010 | 111+33 | LT | | 1 | BIKE LANE SYMBOL |
| 0010 | 111+51 | RT | | 1 | BIKE LANE SYMBOL |
| 0010 | 111+64 | RT | 1 | | BIKE LANE ARROW |
| 0010 | 113+14 | LT | 1 | | BIKE LANE ARROW |
| 0010 | 113+26 | LT | | 1 | BIKE LANE SYMBOL |
| 0010 | 114+13 | RT | | 1 | SHARED BIKE LANE SYMBOL |
| | PROJE | CT TOTALS = | 13 | 16 | |

MARKING CURB EPOXY

646.8120

| CATEGORY | STATION | то | STATION | LOCATION | LF | REMARKS |
|----------|---------|----|---------|--------------|-----|---------------------------|
| 0010 | 100+28 | - | 100+55 | LT | 48 | STATE STREET, SW QUADRANT |
| 0010 | 100+28 | - | 100+55 | RT | 48 | STATE STREET, SE QUADRANT |
| 0010 | 100+94 | - | 101+24 | LT | 49 | STATE STREET, NW QUADRANT |
| 0010 | 100+94 | - | 101+24 | RT | 49 | STATE STREET, NE QUADRANT |
| 0010 | 101+34 | - | 101+38 | LT | 4 | DRIVEWAY |
| 0010 | 101+56 | - | 101+60 | LT | 4 | DRIVEWAY |
| 0010 | 103+36 | - | 103+40 | RT | 16 | DRIVEWAY |
| 0010 | 103+64 | - | 103+68 | RT | 4 | DRIVEWAY |
| 0010 | 104+15 | - | 104+25 | RT | 10 | DRIVEWAY |
| 0010 | 104+42 | - | 104+69 | LT | 47 | VINE STREET, SW QUADRANT |
| 0010 | 104+48 | - | 104+69 | RT | 40 | VINE STREET, SE QUADRANT |
| 0010 | 105+12 | - | 105+37 | LT | 43 | VINE STREET, NW QUADRANT |
| 0010 | 105+12 | - | 105+37 | RT | 43 | VINE STREET, NE QUADRANT |
| 0010 | 110+58 | - | 110+62 | RT | 4 | DRIVEWAY |
| 0010 | 110+87 | - | 110+98 | RT | 11 | DRIVEWAY |
| 0010 | 111+35 | - | 111+39 | RT | 4 | DRIVEWAY |
| 0010 | 112+34 | - | 112+37 | LT | 4 | DRIVEWAY |
| 0010 | 112+52 | - | 112+56 | LT | 4 | DRIVEWAY |
| 0010 | 113+11 | | 113+97 | RT | 68 | CROSSWALK |
| 0010 | 113+27 | - | 113+63 | LT | 37 | CROSSWALK |
| 0010 | 114+10 | | 114+24 | RT | 14 | BADGER STREET, DRIVEWAY |
| | | | PROJE | ECT TOTALS = | 551 | |

CONSTRUCTION STAKING STORM SEWER

| | | | 650.4000 | |
|----------|-----------|------------------|----------|------------------------|
| CATEGORY | STATION | LOCATION | EACH | REMARKS |
| 0010 | 100+51.55 | LT 25.95' | 1 | INLET, 6TH STREET |
| 0010 | 100+99.76 | RT 25.12' | 1 | INLET, 6TH STREET |
| 0010 | 101+00.55 | LT 24.68' | 1 | INLET, 6TH STREET |
| 0010 | 102+78.49 | RT 22.25' | 1 | INLET, 6TH STREET |
| 0010 | 102+79.39 | LT 22.25' | 1 | INLET, 6TH STREET |
| 0010 | 104+64.18 | RT 25.79' | 1 | INLET, 6TH STREET |
| 0010 | 104+64.58 | LT 26.31' | 1 | INLET, 6TH STREET |
| 0010 | 105+15.70 | RT 27.43' | 1 | INLET, 6TH STREET |
| 0010 | 111+70.46 | LT 22.25' | 1 | INLET, 6TH STREET |
| 0010 | 111+71.29 | RT 22.25' | 1 | INLET, 6TH STREET |
| 0010 | 114+03.80 | RT 6.3' | 1 | MANHOLE, BADGER STREET |
| | | PROJECT TOTALS = | 11 | |

E HWY: 6TH STREET COUNTY: LA CROSSE SHEET PROJECT NO: 5991-05-28 MISCELLANEOUS QUANTITIES

CONSTRUCTION STAKING SUMMARY

| | | | | | | CONSTRUCTION | | |
|----------|---------|----|---------|-------------|--------------|--------------|--------------|---------------|
| | | | | | CONSTRUCTION | STAKING | CONSTRUCTION | |
| | | | | | STAKING | CONCRETE | STAKING | |
| | | | | | SUBGRADE | PAVEMENT | SLOPE STAKES | |
| | | | | | 650.4500 | 650.7000 | 650.9920 | |
| CATEGORY | STATION | то | STATION | LOCATION | LF | LF | LF | REMARKS |
| 0010 | 100+00 | _ | 114+00 | LT/RT | 1400 | 1400 | 1400 | 6TH STREET |
| 0010 | 9+62 A | - | 9+80 A | LT/RT | 18 | 18 | 18 | STATE STREET |
| 0010 | 10+20 A | - | 10+36 A | LT/RT | 16 | 16 | 16 | STATE STREET |
| 0010 | 19+57 в | - | 19+79 в | LT/RT | 22 | 22 | 22 | VINE STREET |
| 0010 | 20+21 в | - | 20+37 в | LT/RT | 16 | 16 | 16 | VINE STREET |
| 0010 | 29+67 C | - | 29+88 C | LT/RT | 21 | 21 | 21 | PINE STREET |
| 0010 | 113+81 | - | 114+43 | LT/RT | 62 | 62 | 62 | BADGER STREET |
| | | | PROJE | CT TOTALS = | 1555 | 1555 | 1555 | |

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 5991-05-28

| | 650.9910 | |
|--------------------|----------|---------|
| LOCATION | LS | REMARKS |
| PROJECT 5991-05-28 | 1 | |
| PROJECT TOTALS | = 1 | |

CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) 01. 5991-05-28

| | | 650.8500 | |
|----------|--------------------|----------|---------|
| CATEGORY | LOCATION | LS | REMARKS |
| 0010 | PROJECT 5991-05-28 | 1 | |
| | PROJECT TOTALS = | 1 | - |

LIGHTING SUMMARY

| | | | | CONDUIT RIGID NONMETALLIC SCHEDULE 80 2- INCH 652.0325 | FURNISH AND INSTALL EQUIVALENT SPV.0090.01 | |
|----------|-----------|---|-----------|--|--|---------|
| CATEGORY | FROM | | TO | LF | LF | REMARKS |
| 0010 | EX SL 201 | _ | SL 101 | 22 | 192 | |
| 0010 | SL 101 | - | SL 103 | 56 | 396 | |
| 0010 | SL 103 | - | SL 105 | 55 | 390 | |
| 0010 | SL 105 | - | SL 107 | 55 | 390 | |
| 0010 | SL 107 | - | SL 109 | 71 | 486 | |
| 0010 | SL 109 | - | SL 111 | 86 | 576 | |
| 0010 | SL 111 | - | SL 113 | 17 | 162 | |
| 0010 | EX SL 202 | - | SL 104 | 56 | 396 | |
| 0010 | SL 104 | - | SL 106 | 55 | 390 | |
| 0010 | SL 106 | - | SL 108 | 55 | 390 | |
| 0010 | SL 108 | - | SL 110 | 71 | 486 | |
| 0010 | SL 110 | - | SL 112 | 86 | 576 | |
| 0010 | SL 112 | - | EX SL 203 | 23 | 198 | |
| 0010 | SL 114 | - | SL 116 | 58 | 408 | |
| 0010 | SL 116 | - | SL 118 | 59 | 414 | |
| 0010 | SL 118 | - | SL 120 | 54 | 384 | |
| 0010 | SL 120 | - | SL 122 | 58 | 408 | |
| 0010 | SL 122 | - | SL 124 | 55 | 390 | |
| 0010 | SL 124 | - | EX SL 204 | 57 | 402 | |
| 0010 | EX SL 205 | - | SL 115 | 23 | 198 | |
| 0010 | SL 115 | - | SL 117 | 58 | 408 | |
| 0010 | SL 117 | - | SL 119 | 59 | 414 | |
| 0010 | SL 119 | - | SL 121 | 54 | 384 | |
| 0010 | SL 121 | - | SL 123 | 58 | 408 | |
| 0010 | SL 123 | - | SL 125 | 55 | 390 | |
| 0010 | SL 126 | - | SL 127 | 99 | 654 | |
| 0010 | SL 127 | - | SL 128 | 64 | 444 | |
| 0010 | SL 128 | - | SL 130 | 66 | 456 | |
| 0010 | SL 130 | - | SL 132 | 65 | 450 | |
| 0010 | SL 132 | - | SL 134 | 64 | 444 | |
| 0010 | SL 134 | - | EX SL 208 | 50 | 360 | |
| 0010 | SL 129 | - | SL 131 | 64 | 444 | |
| 0010 | SL 131 | - | SL 133 | 64 | 444 | |
| 0010 | SL 133 | - | EX SL 207 | 65 | 450 | |
| | | | | 1957 | 13782 | |

PROJECT NO: 5991-05-28 HWY: 6TH STREET COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES SHEET **E**

FILE NAME : W:\59910527\C3D\\SHEETSPLAN\030201-MQ.DWG LAYOUT NAME - 13-mq

PLOT DATE : 11/1/2017 10:48 AM

PLOT BY: CORONA WOYCHIK

PLOT NAME :

WISDOT/CADDS SHEET 42

| - | | |
|---|---|--|
| | 9 | |
| и | , | |
| _ | ٠ | |

SAWING SUMMARY

| | | | | SAWING ASPHALT | SAWING CONCRETE | |
|----------|------------|---------|------------------|-------------------|--------------------|---------------|
| | | | | 690.0150 | 690.0250 | |
| CATEGORY | STATION TO | STATION | LOCATION | LF | LF | REMARKS |
| 0010 | 100+00 - | | RT/LT | - | 43 | MAINLINE |
| 0010 | 100+00 - | 100+57 | RT | - | 70 | |
| 0010 | 100+00 - | 100+57 | LT | - | 67 | |
| 0010 | 9+51 A - | | RT/LT | 35 | - | STATE STREET |
| 0010 | 10+46 A - | | RT/LT | 35 | - | STATE STREET |
| 0010 | 100+92 - | 101+75 | LT | _ | 97 | |
| 0010 | 100+92 - | 104+54 | RT | - | 384 | |
| 0010 | 101+79 - | 102+10 | LT | - | 30 | |
| 0010 | 102+14 - | 102+45 | LT | - | 30 | |
| 0010 | 102+50 - | 102+80 | LT | - | 30 | |
| 0010 | 102+85 - | 103+17 | LT | _ | 33 | |
| 0010 | 103+22 - | 103+57 | LT | - | 35 | |
| 0010 | 103+62 - | 104+00 | LT | - | 38 | |
| 0010 | 104+04 - | 104+34 | LT | - | 30 | |
| 0010 | 104+39 - | 104+71 | LT | - | 45 | |
| 0010 | 19+47 в - | | RT/LT | 39 | - | VINE STREET |
| 0010 | 20+47 B - | | RT/LT | 39 | - | VINE STREET |
| 0010 | 105+11 - | 108+69 | RT | - | 377 | |
| 0010 | 105+27 - | 107+46 | LT | - | 226 | |
| 0010 | 107+52 - | 108+69 | LT | - | 123 | |
| 0010 | 108+69 - | | RT/LT | _ | 30 | MAINLINE |
| 0010 | 108+81 - | | RT/LT | - | 29 | MAINLINE |
| 0010 | 108+81 - | 109+42 | RT | - | 61 | |
| 0010 | 108+81 - | 109+42 | LT | - | 63 | PINE STREET |
| 0010 | 109+42 - | | RT/LT | - | 28 | MAINLINE |
| 0010 | 109+56 - | | RT/LT | - | 31 | MAINLINE |
| 0010 | 109+56 - | 113+16 | RT | - | 347 | |
| 0010 | 109+56 - | 111+87 | LT | - | 254 | |
| 0010 | 112+37 - | 112+52 | LT | - | 16 | |
| 0010 | 113+40 - | 113+47 | RT | - | 8 | |
| 0010 | 113+40 - | 113+99 | LT | - | 68 | |
| 0010 | 113+99 - | | RT/LT | - | 68 | |
| 0010 | 113+97 - | 114+10 | RT | - | 13 | BADGER STREET |
| 0010 | 114+20 - | 114+33 | LT | - | 20 | BADGER STREET |
| 0010 | 114+43 - | | RT/LT | 38 | - | BADGER STREET |
| | | | PROJECT TOTALS = | 186 | 2694 | |

SEISMOGRAPH

| | | | | g | 99.1000.s | |
|----------|---------|----|---------|------------------|-----------|---------|
| CATEGORY | STATION | то | STATION | LOCATION | LS | REMARKS |
| 0010 | 100+00 | - | 114+43 | LT & RT | 1 | |
| | | | | PROJECT TOTALS = | 1 | |

CRACK AND DAMAGE SURVEY

| | | | | Ç | 999.1500.s | |
|----------|---------|----|---------|------------------|------------|---------|
| CATEGORY | STATION | то | STATION | LOCATION | LS | REMARKS |
| 0010 | 100+00 | - | 114+43 | LT & RT | 1 | |
| | | | | PROJECT TOTALS = | 1 | |

ADJUSTING WATER VALVES

SPV.0060.01

| CATEGORY | STATION | LOCATION | EACH | REMARKS |
|----------|---------|-------------|------|-------------------------|
| 0020 | 9+59 A | LT 13' | 1 | STATE STREET |
| 0020 | 9+67 A | LT 21' | 1 | STATE STREET, CURB STOP |
| 0020 | 102+54 | RT 12.5' | 1 | 6TH STREET |
| 0020 | 103+94 | RT 12.5' | 1 | 6TH STREET |
| 0020 | 104+43 | RT 12' | 1 | 6TH STREET |
| 0020 | 19+61 в | LT 10.5' | 1 | VINE STREET |
| 0020 | 19+67 в | LT 12' | 1 | VINE STREET |
| 0020 | 20+31 B | LT 12' | 1 | VINE STREET |
| 0020 | 20+35 B | LT 19' | 1 | VINE STREET |
| 0020 | 108+64 | RT 10' | 1 | 6TH STREET |
| 0020 | 108+66 | LT 25' | 1 | 6TH STREET |
| 0020 | 108+70 | RT 12' | 1 | 6TH STREET |
| 0020 | 109+34 | RT 12' | 1 | 6TH STREET |
| 0020 | 109+71 | RT 13' | 1 | 6TH STREET |
| 0020 | 109+76 | RT 14' | 1 | 6TH STREET |
| 0020 | 109+79 | RT 14' | 1 | 6TH STREET |
| 0020 | 113+20 | RT 22.5' | 1 | 6TH STREET |
| 0020 | 113+20 | RT 12' | 1 | 6TH STREET |
| 0020 | 113+80 | RT 12' | 1 | 6TH STREET |
| | PROJE | CT TOTALS = | 19 | |

E PROJECT NO: 5991-05-28 HWY: 6TH STREET COUNTY: LA CROSSE SHEET MISCELLANEOUS QUANTITIES

CONCRETE PAVEMENT JOINT LAYOUT

| | SI | PV.0105.01 | L |
|----------|--------------------|------------|---------|
| CATEGORY | LOCATION | LS | REMARKS |
| 0010 | PROJECT 5991-05-28 | 1 | |
| | PROJECT TOTALS = | 1 | |

TRENCH GRATE SUMMARY

| CATEGORY | STATION | LOCATION | REPLACE DECORATIVE TRENCH GRATE SPV.0060.04 EACH | SALVAGE DECORATIVE TRENCH GRATE SPV.0060.05 EACH | REMARKS |
|----------|---------|------------------|---|--|---------|
| 0010 | 108+55 | RT | _ | 1 | |
| 0010 | 108+62 | RT | - | 1 | |
| 0010 | 108+70 | RT | - | 1 | |
| 0010 | 108+87 | RT | - | 1 | |
| 0010 | 109+05 | RT | - | 1 | |
| 0010 | 109+19 | RT | - | 1 | |
| 0010 | 109+31 | RT | - | 1 | |
| 0010 | 109+42 | RT | - | 1 | |
| 0010 | 109+61 | RT | - | 1 | |
| 0010 | 109+69 | RT | | 1 | |
| 0010 | 109+94 | RT | 1 | - | |
| 0010 | 110+05 | RT | 1 | - | |
| 0010 | 110+29 | RT | 1 | - | |
| 0010 | 110+43 | RT | 1 | - | |
| | F | PROJECT TOTALS = | = 4 | 10 | |

DECORATIVE TERRACE SUMMARY

| CATEGORY | STATION | то | STATION | LOCATION | DECORATIVE TERRACE SPV.0165.01 SF | GEOTEXTILE TYPE DF SCHEDULE A 645.0111 SY | REMARKS |
|----------|---------|----|---------|------------------|--|---|---------|
| 0010 | 101+09 | _ | 101+34 | LT | 88 | 10 | |
| 0010 | 101+60 | _ | 101+34 | LT | 49 | 6 | |
| 0010 | 101+60 | _ | 101+74 | RT RT | 624 | 70 | |
| 0010 | 101+01 | _ | 103+39 | LT | 103 | 70 12 | |
| 0010 | 101+79 | _ | 102+09 | LT | 103 | 12 | |
| | | | | | | 26 | |
| 0010 | 102+50 | _ | 103+17 | LT | 232 | | |
| 0010 | 103+22 | - | 103+57 | LT | 121 | 14 | |
| 0010 | 103+62 | - | 104+34 | LT | 251 | 28 | |
| 0010 | 103+63 | - | 104+22 | RT | 206 | 23 | |
| 0010 | 104+39 | - | 104+54 | LT | 51 | 6 | |
| 0010 | 105+27 | - | 106+56 | LT | 453 | 51 | |
| 0010 | 105+27 | - | 108+52 | RT | 1157 | 129 | |
| 0010 | 106+90 | - | 107+48 | LT | 203 | 23 | |
| 0010 | 107+53 | - | 108+71 | LT | 503 | 56 | |
| 0010 | 108+81 | _ | 108+99 | LT | 148 | 17 | |
| 0010 | 109+29 | - | 109+43 | LT | 105 | 12 | |
| 0010 | 109+53 | _ | 112+34 | LT | 1124 | 125 | |
| 0010 | 111+39 | _ | 113+01 | RT | 535 | 60 | |
| 0010 | 112+56 | - | 113+41 | LT | 297 | 33 | |
| | | | | PROJECT TOTALS = | 6353 | 713 | |

WISDOT/CADDS SHEET 42

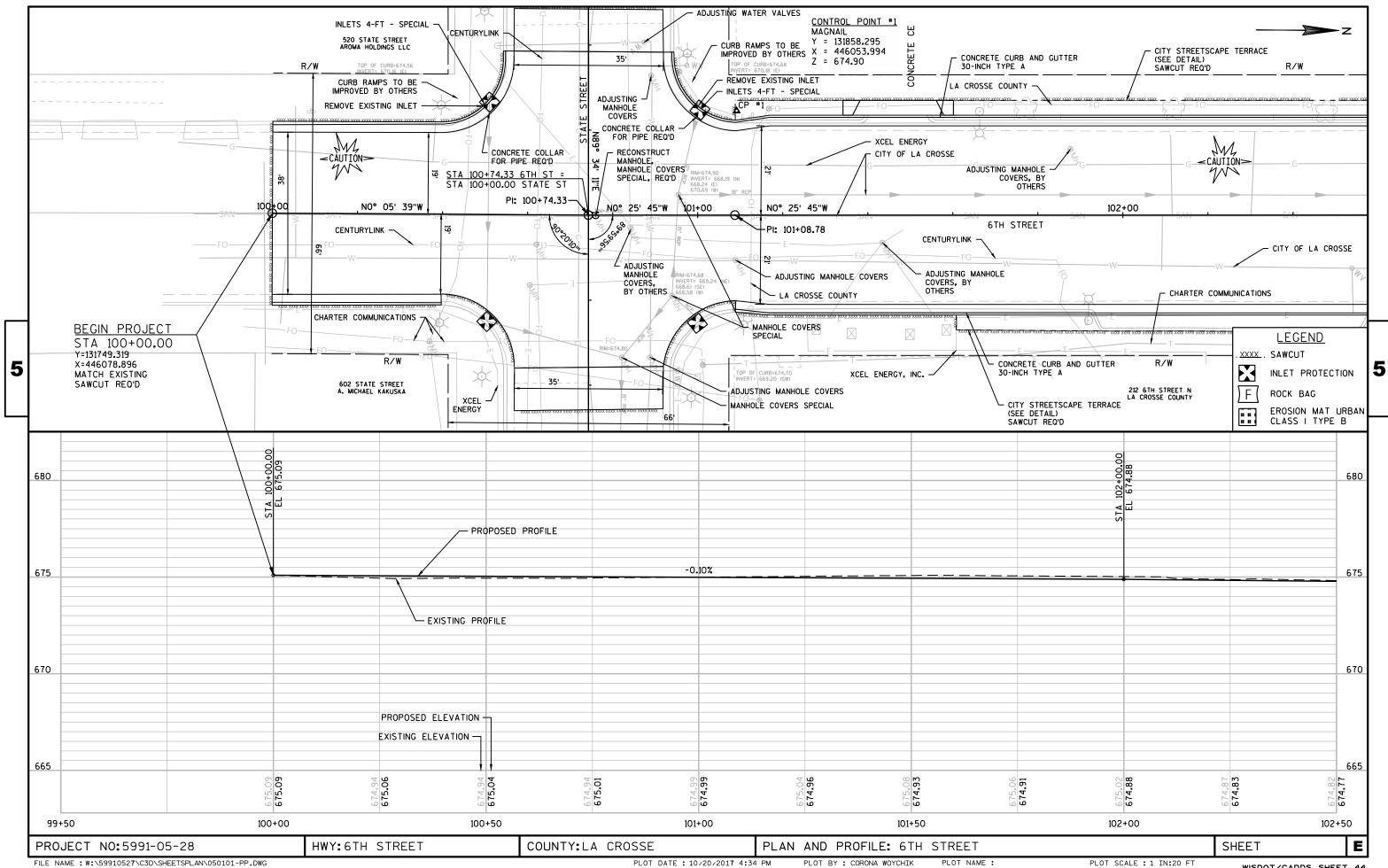
PROJECT NO: 5991-05-28 HWY: 6TH STREET COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES SHEET **E**

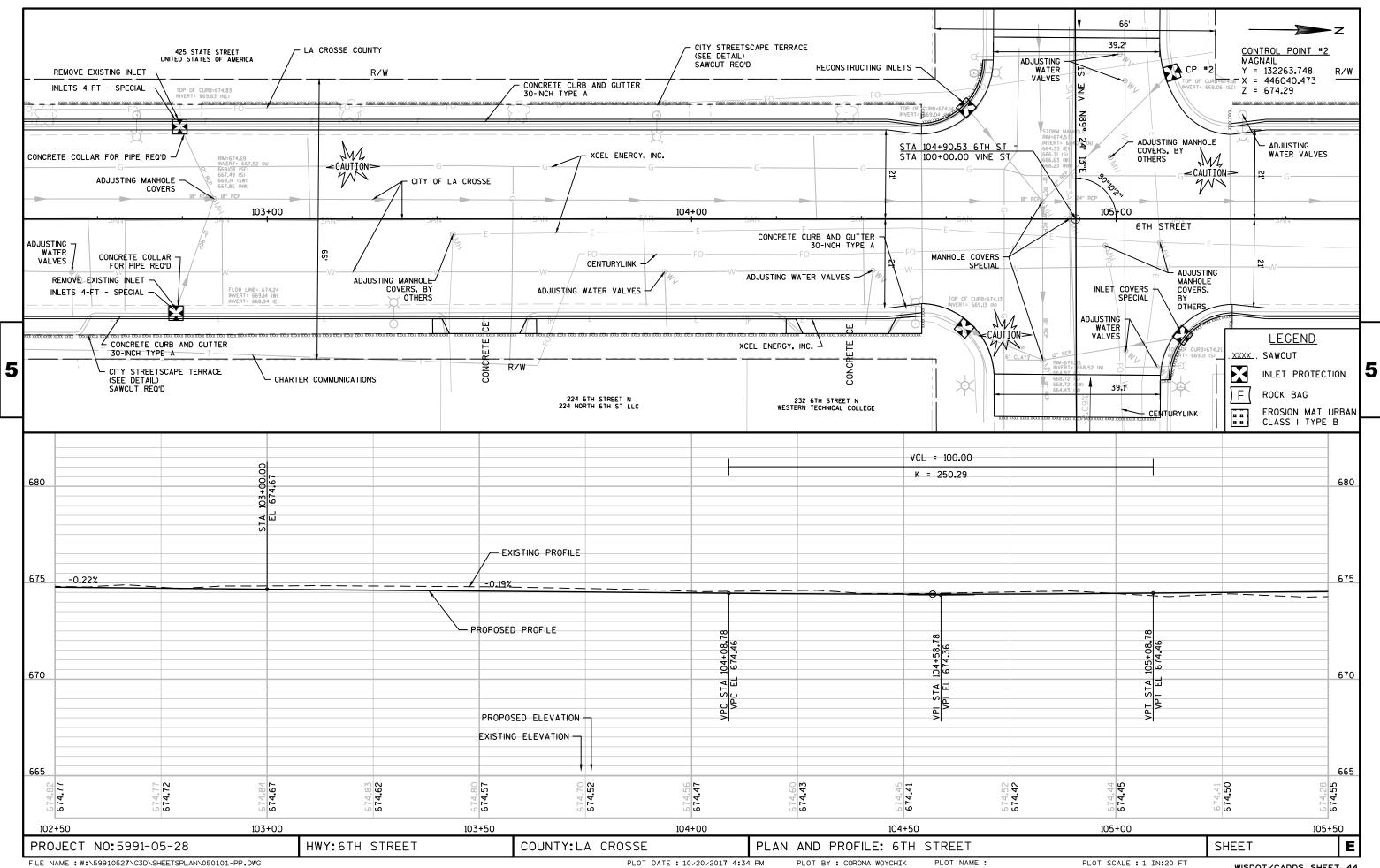
3

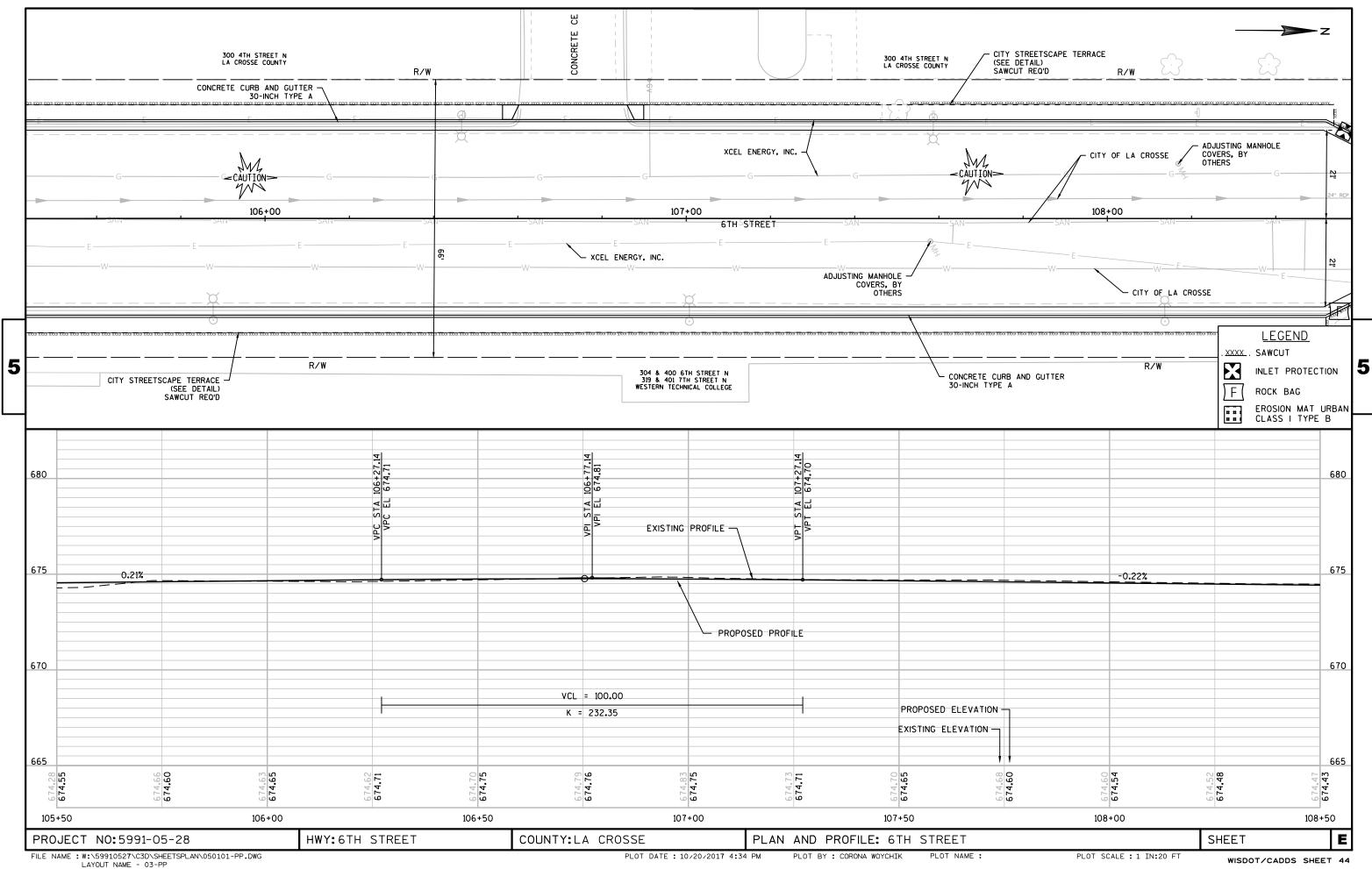
LIGHT POLE SUMMARY

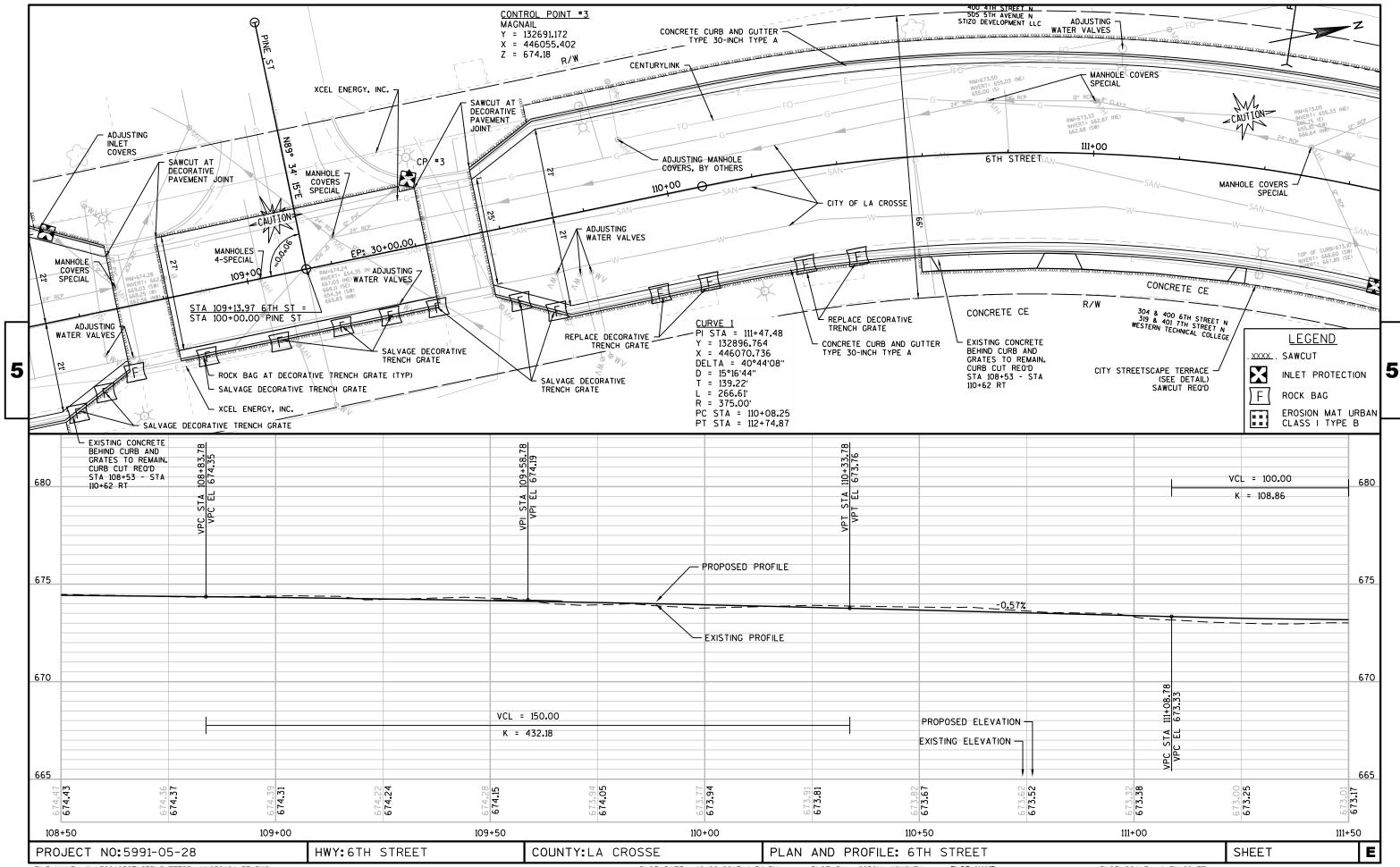
| CATEGORY | STRUCTURE I.D. | STATION | LOCATION | DECORATIVE LIGHT POLE SPV.0060.06 EACH | MOVE DECORATIVE LIGHT POLE ASSEMBLY SPV.0060.07 EACH | DECORATIVE LIGHTING LUMINAIRE SPV.0060.08 EACH | DECORATIVE BASES SPV.0060.10 EACH | ELECTRICAL WIRE LIGHTING 12 AWG 655.0610 LF | REMARKS |
|--------------|-------------------|------------------|----------------|---|--|--|--|--|---------|
| 0010 | EX SL 201 | 100+98 | LT | _ | 1 | _ | 1 | 93 | |
| 0010 | EX SL 202 | 101+11 | RT | _ | 1 | _ | 1 | 93 | |
| 0010 | EX SL 203 | 104+64 | RT | _ | 1 | _ | 1 | 93 | |
| 0010 | EX SL 204 | 108+70 | LT | _ | 1 | _ | 1 | 93 | |
| 0010 | EX SL 205 | 109+42 | RT | _ | 1 | _ | 1 | 93 | |
| 0010 | EX SL 207 | 102+69 | RT | - | 1 | - | 1 | 93 | |
| 0010 | EX SL 208 | 101+92 | LT | _ | 1 | _ | 1 | 93 | |
| 0010 | SL 101 | 101+11 | LT | 1 | _ | 1 | 1 | 93 | |
| 0010 | SL 103 | 101+66 | LT | 1 | _ | 1 | 1 | 93 | |
| 0010 | SL 105 | 102+31 | LT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 107 | 102+96 | LT | 1 | _ | 1 | 1 | 93 | |
| 0010 | SL 109 | 103+67 | LT | 1 | _ | 1 | 1 | 93 | |
| 0010 | SL 111 | 104+53 | LT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 113 | 104+65 | LT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 114 | 105+30 | LT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 116 | 105+88 | LT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 118 | 106+47 | LT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 120 | 107+01 | LT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 122 | 107+59 | LT | 1 | _ | 1 | 1 | 93 | |
| 0010 | SL 124 | 108+14 | LT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 126 | 109+84 | LT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 127 | 110+79 | LT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 128 | 111+43 | LT | 1 | _ | 1 | 1 | 93 | |
| 0010 | SL 130 | 112+07 | LT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 132 | 112+71 | LT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 134 | 113+35 | LT | 1 | _ | 1 | 1 | 93 | |
| 0010 | SL 133 | 112+71 | RT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 131 | 112+07 | RT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 129 | 111+43 | RT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 125 | 108+14 | RT | <u> </u> | <u>-</u> | <u>_</u> | 1 1 | 93 93 | |
| 0010 | SL 123 | 107+59 | RT | 1 | - | 1 | 1 | | |
| 0010 0010 | SL 121 | 107+01 | RT | 1 | _ | 1 | 1 | 93 | |
| 0010 | SL 119 | 106+47 | RT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 117 | 105+88 | RT | 1 | - | 1 | 1 | 93 | |
| 0010 | SL 112 SL 110 | 104+53 103+67 | RT RT | <u>_</u> | - | <u>_</u> | <u>L</u> 1 | 93 93 | |
| 0010 | SL 110 SL 108 | 103+67 | | ⊥ 1 | - | 1 1 | 1 | 93 93 | |
| 0010 | SL 108 SL 106 | 102+96 | RT RT | ⊥ 1 | <u>-</u> | 1 | 1 | 93 93 | |
| 0010 | SL 100 SL 104 | 102+31 | RT | 1 | | <u> </u> | 1 | 93 | |
| 0010 | 3L 104 | | | | | | | | |
| | | | PROJECT TOTALS | = 32 | 7 | 32 | 39 | 3627 | |

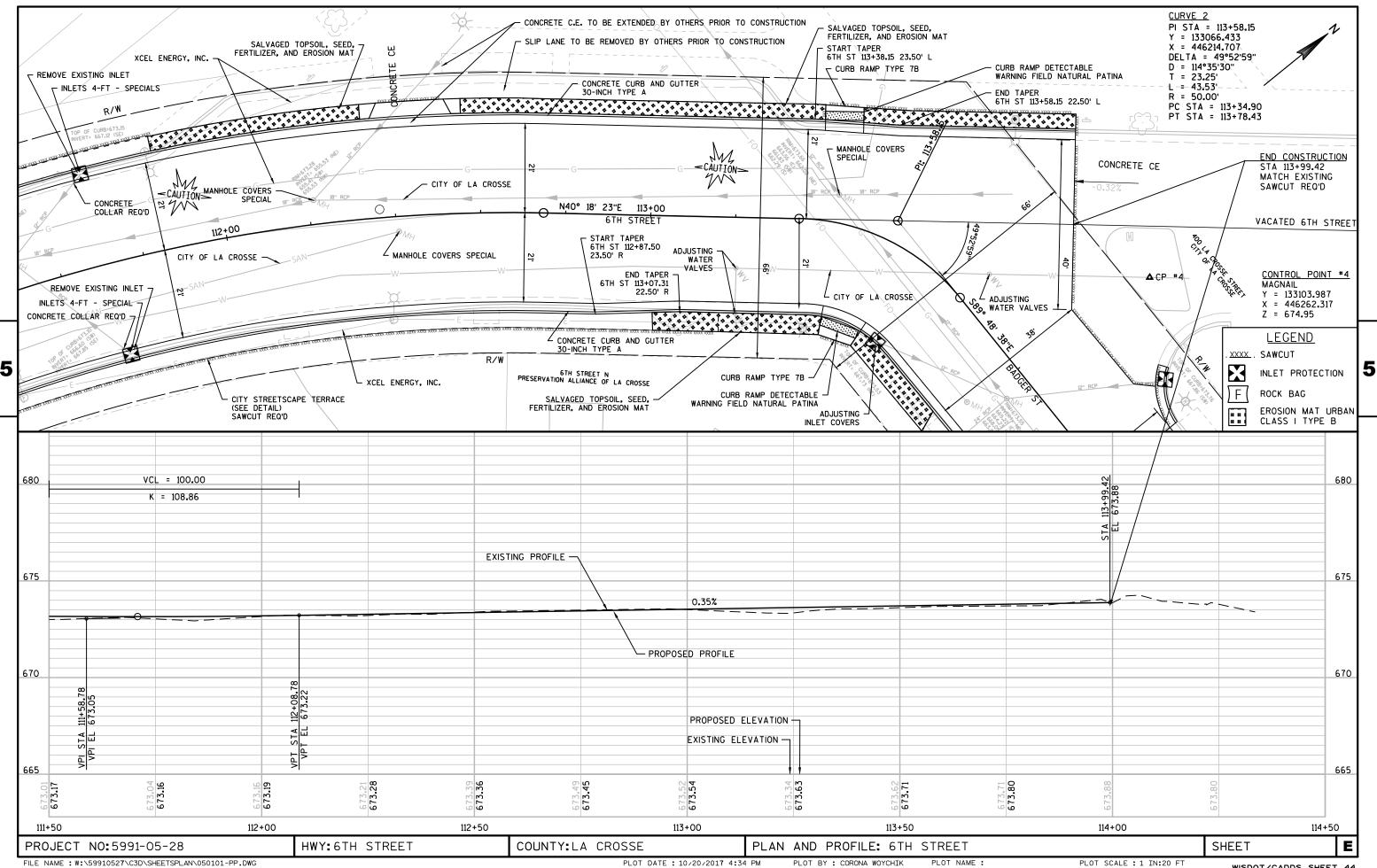
PROJECT NO: 5991-05-28 HWY: 6TH STREET COUNTY: LA CROSSE MISCELLANEOUS QUANTITIES SHEET **E**

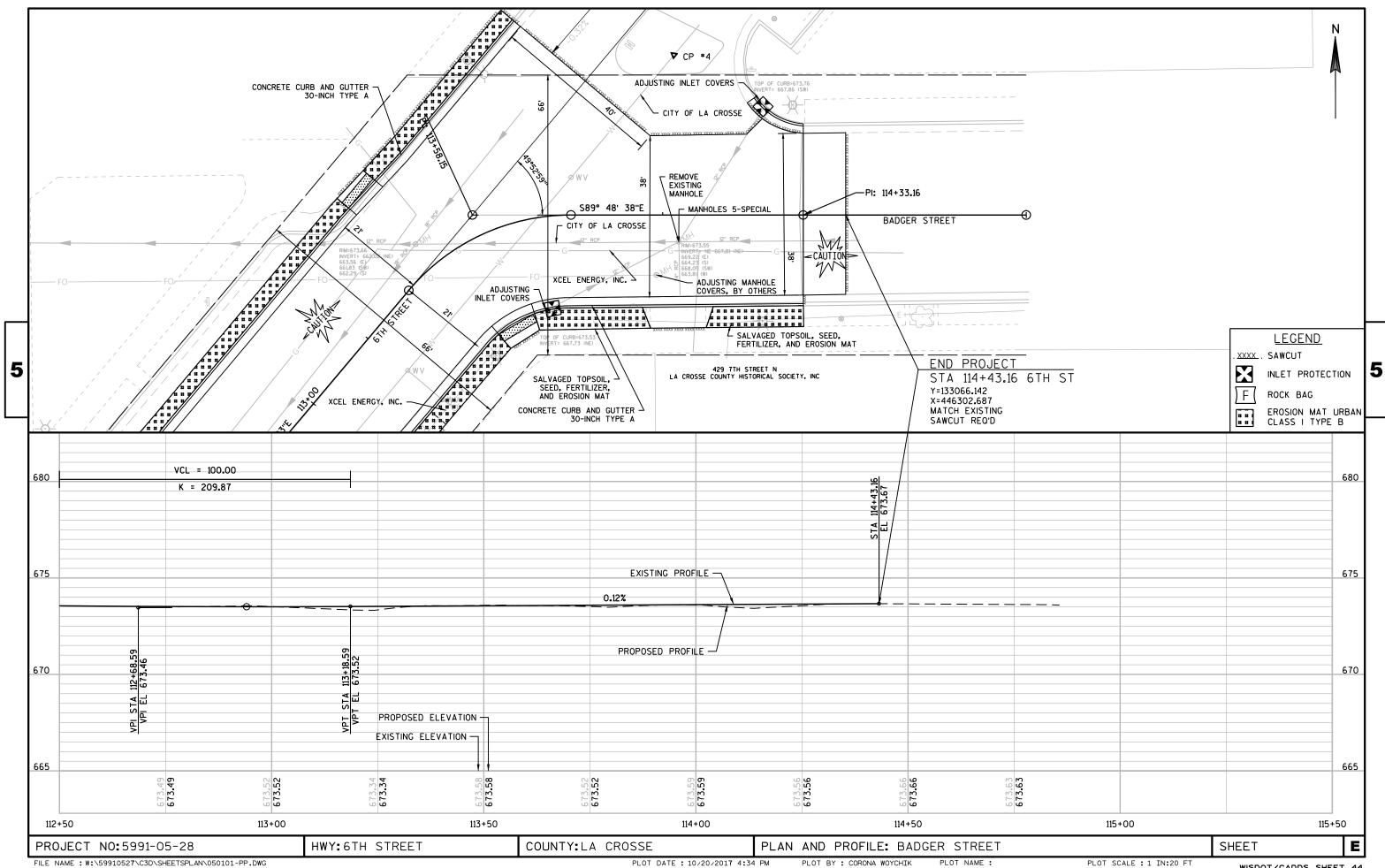












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Standard Detail Drawing List

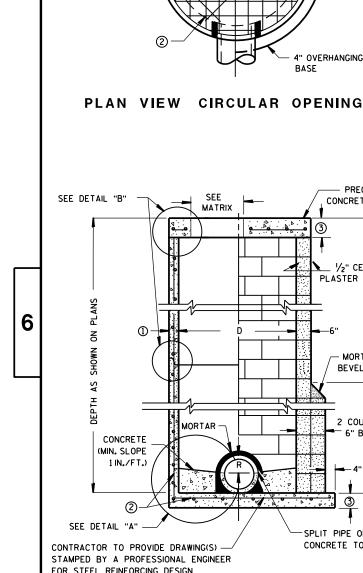
| 15D30-03A TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION 15D30-03B TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION 15D30-03C TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION 15D38-02A TEMPORARY TRAFFIC CONTROL SIGN MOUNTING 15D38-02B ATTACHMENT OF SIGNS TO POSTS | 15C29-05A BICYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 13C01-18 13C13-08 13C18-05A 13C18-05B 13C18-05C 13C18-05D 15C02-06A 15C02-06C 15C03-03 15C05-03 15C07-14E 15C08-18A 15C29-05A 15C29-05B 15C33-02 15D30-03A 15D30-03B 15D30-03C 15D38-02A | CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES URBAN DOWELED CONCRETE PAVEMENT CONCRETE PAVEMENT JOINTING CONCRETE PAVEMENT STEEL REINFORCEMENT CONCRETE PAVEMENT JOINT TYPES CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES BARRICADES AND SIGNS FOR MAINLINE CLOSURES BARRICADES AND SIGNS FOR MAINLINE CLOSURES DETOUR SIGNING FOR MAINLINE CLOSURES BARRICADES AND SIGNS FOR SIDEROAD CLOSURES TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS PAVEMENT MARKING FOR BIKE LANES LONGITUDINAL MARKING (MAINLINE) BICYCLE LANE MARKING PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS STOP LINE AND CROSSWALK PAVEMENT MARKING TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION TEMPORARY TRAFFIC CONTROL SIGN MOUNTING |
|--|--|--|---|
| 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | | | |
| 15CO8-18A LONGITUDINAL MARKING (MAINLINE) 15C29-05A BICYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | | 15C07-14E | PAVEMENT MARKING FOR BIKE LANES |
| 15CO8-18A LONGITUDINAL MARKING (MAINLINE) 15C29-05A BICYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | | | TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS |
| 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C08-18A LONGITUDINAL MARKING (MAINLINE) 15C29-05A BICYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 15CO7-14E PAVEMENT MARKING FOR BIKE LANES | 15C03-03 | BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES |
| 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C08-18A LONGITUDINAL MARKING (MAINLINE) 15C29-05A BICYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES | | |
| 15C03-03 15C05-03 15C05-03 15C07-14E 15C08-18A 15C09-05A 15C29-05B BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS PAVEMENT MARKING FOR BIKE LANES LONGI TUDI NAL MARKING (MAINLINE) BI CYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 15CO3-O3 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15CO5-O3 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15CO7-14E PAVEMENT MARKING FOR BIKE LANES | | |
| 15C02-06C 15C03-03 BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C08-18A LONGI TUDI NAL MARKING (MAINLINE) 15C29-05A BI CYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 15CO2-O6C DETOUR SIGNING FOR MAINLINE CLOSURES 15CO3-O3 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15CO5-O3 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS 15CO7-14E PAVEMENT MARKING FOR BIKE LANES | | |
| 15CO2-06B 15CO2-06C 15CO3-03 15CO5-03 15CO5-03 15CO7-14E 15CO8-18A 15CO8-18A 15CO8-05A 15CO9-05B 15CO9-05B 15CO9-05B 15CO9-06C | 15CO2-06B BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15CO2-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15CO3-03 BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES 15CO5-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15CO7-14E PAVEMENT MARKING FOR BIKE LANES | | |
| 15CO2-06A 15CO2-06B 15CO2-06B 15CO2-06C 15CO3-03 15CO3-03 15CO5-03 15CO5-03 15CO7-14E 15CO8-18A 15CO8-18A 15CO8-05A 15CO8-05A 15CO8-05B 15CO9-05B 15CO9-05B 15CO9-05B 15CO9-05B 15CO9-05B 15CO9-06B 15CO9-06B 15CO9-06B 16CO9-06B | 15CO2-06A 15CO2-06B 15CO2-06B 15CO2-06C 15CO3-03 15CO3-03 15CO5-03 15CO5-03 15CO5-04 15CO7-14E BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15CO5-05 15CO5-06 15CO5-07 15CO5-07 15CO5-08 15CO5-08 15CO5-08 15CO5-09 15CO5-0 | | |
| 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C08-18A LONGITUDINAL MARKING (MAINLINE) 15C29-05A BICYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES | | |
| 13C18-05C CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C08-18A LONGITUDINAL MARKING (MAINLINE) 15C29-05A BICYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 13C18-05C CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES | | |
| 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05C CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C08-18A LONGITUDINAL MARKING (MAINLINE) 15C29-05A BICYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 13C18-05B 13C18-05C CONCRETE PAVEMENT STEEL REINFORCEMENT CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES | | |
| 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05C CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C08-18A LONGITUDINAL MARKING (MAINLINE) 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05C CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES | | |
| 13C13-08 13C18-05A 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05C CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C08-18A LONGI TUDI NAL MARKING (MAINLINE) 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 13C13-08 13C18-05A 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05C CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES | | |
| 13C01-18 13C13-08 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT CONCRETE PAVEMENT JOINTING 13C18-05C CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C08-18A LONGITUDINAL MARKING (MAINLINE) 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 13C01-18 13C13-08 13C13-08 13C13-08 13C18-05A 13C18-05A 13C18-05B 13C18-05B 13C18-05C 13C18-05C 13C18-05C 13C18-05D | | |
| 09E01-14G 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT CONCRETE PAVEMENT JOINT TYPES 13C18-05C CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C08-18A LONGITUDINAL MARKING (MAINLINE) 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 09E01-14G 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT CONCRETE PAVEMENT JOINT TYPES 13C18-05C CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E | | |
| O9CO3-04 O9EO1-14G O9EO1-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13CO1-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT CONCRETE CONCRETE PAVEMENT CONCRETE CONCRETE PAVEMENT CONCRETE CONCRETE PAVEMENT CONCRETE CON | O9CO3-04 O9EO1-14G O9EO1-14G HARDWARE DETAILS FOR POLE MOUNTINGS CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES URBAN DOWELED CONCRETE PAVEMENT CONCRETE CONCRETE PAVEMENT CONCRETE CON | | |
| O9CO2-O7 O9CO3-O4 O9C | O9CO2-O7 O9CO3-O4 O9CO3-O4 TRANSFORMER/PEDESTAL BASES O9EO1-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13CO1-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-O8 URBAN DOWELED CONCRETE PAVEMENT CONCRETE PAVEMENT CONCRETE PAVEMENT JOINTING CONCRETE PAVEMENT STEEL REINFORCEMENT CONCRETE PAVEMENT JOINT TYPES CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES COC2-O6A BARRICADES AND SIGNS FOR MAINLINE CLOSURES DETOUR SIGNING FOR MAINLINE CLOSURES DETOUR SIGNING FOR MAINLINE CLOSURES TSCO2-O6 TSCO3-O3 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS TSCO7-14E CONCRETE BASES, TYPES 1, 2, 5, & 6 TRANSFORMER/PEDESTAL BASES URBAN POULE MOUNTINGS TOUR SIGNING FOR MAINLINE CLOSURES TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS TSCO7-14E | 09B04-11 | PULL BOX |
| O9CO2-O7 O9CO3-O4 O9C | O9CO2-O7 O9CO3-O4 O9CO3-O4 TRANSFORMER/PEDESTAL BASES O9EO1-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13CO1-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-O8 URBAN DOWELED CONCRETE PAVEMENT CONCRETE PAVEMENT CONCRETE PAVEMENT JOINTING CONCRETE PAVEMENT STEEL REINFORCEMENT CONCRETE PAVEMENT JOINT TYPES CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES COC2-O6A BARRICADES AND SIGNS FOR MAINLINE CLOSURES DETOUR SIGNING FOR MAINLINE CLOSURES DETOUR SIGNING FOR MAINLINE CLOSURES TSCO2-O6 TSCO3-O3 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS TSCO7-14E CONCRETE BASES, TYPES 1, 2, 5, & 6 TRANSFORMER/PEDESTAL BASES URBAN POULE MOUNTINGS TOUR SIGNING FOR MAINLINE CLOSURES TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS TSCO7-14E | 09B02-10 | |
| 09B02-10 09B04-11 09B04-11 09C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 09C03-04 TRANSFORMER/PEDESTAL BASES 09E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05C CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C09-05A BICYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | O9B02-10 O9B04-11 PULL BOX O9C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9C03-04 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT CONCRETE PAVEMENT JOINTING 13C18-05A CONCRETE PAVEMENT STEEL REINFORCEMENT CONCRETE PAVEMENT JOINT TYPES 13C18-05C CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E | 08F04-07 | JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL |
| 09B02-10 09B04-11 09B04-11 09C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 09C03-04 TRANSFORMER/PEDESTAL BASES 09E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05C CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C09-05A BICYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | O9B02-10 O9B04-11 PULL BOX O9C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9C03-04 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT CONCRETE PAVEMENT JOINTING 13C18-05A CONCRETE PAVEMENT STEEL REINFORCEMENT CONCRETE PAVEMENT JOINT TYPES 13C18-05C CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E | 08E14-01 | TRACKING PAD |
| O8F04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL O9B02-10 CONDUIT O9B04-11 PULL BOX O9C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9C03-04 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05C CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | O8F04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL O9B02-10 CONDUIT O9B04-11 PULL BOX O9C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9C03-04 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05C CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES | 08E10-02 | INLET PROTECTION TYPE A, B, C AND D |
| O8E14-01 TRACKING PAD O8F04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL O9B02-10 CONDUIT O9B04-11 PULL BOX O9C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9C03-04 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05B CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRI CADES AND SIGNS FOR SI DEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C29-05A BICYCLE LANE MARKING 15C29-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | 08E14-01 TRACKING PAD 08F04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL 09B02-10 CONDUIT 09B04-11 PULL BOX 09C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 09C03-04 TRANSFORMER/PEDESTAL BASES 09E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05C CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES | 08D18-01 | |
| O8D18-O1 DRI VEWAY AND SIDEWALK RAMPS TYPES X & Y O8E10-O2 INLET PROTECTION TYPE A, B, C AND D O8F04-O7 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL O9B02-10 CONDUIT O9B04-11 PULL BOX O9CO2-O7 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9CO3-O4 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13CO1-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-O8 URBAN DOWELED CONCRETE PAVEMENT 13C18-O5A CONCRETE PAVEMENT JOINTING 13C18-O5B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-O5C CONCRETE PAVEMENT JOINT TYPES 13C18-O5D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-O6A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-O6B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-O6C DETOUR SIGNING FOR MAINLINE CLOSURES 15CO2-O6C 15CO3-O3 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15CO5-O3 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15CO7-14E PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS 15CO2-O5B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | O8D18-01 DRI VEWAY AND SI DEWALK RAMPS TYPES X & Y O8E10-02 INLET PROTECTION TYPE A, B, C AND D O8E14-01 TRACKI NG PAD O8F04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL O9B02-10 CONDUIT O9B04-11 PULL BOX O9C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9C03-04 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGI TUDI NAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05C CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES | 08D16-10 | CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES |
| O8D18-O1 DRI VEWAY AND SIDEWALK RAMPS TYPES X & Y O8E10-O2 INLET PROTECTION TYPE A, B, C AND D O8F04-O7 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL O9B02-10 CONDUIT O9B04-11 PULL BOX O9CO2-O7 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9CO3-O4 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13CO1-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-O8 URBAN DOWELED CONCRETE PAVEMENT 13C18-O5A CONCRETE PAVEMENT JOINTING 13C18-O5B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-O5C CONCRETE PAVEMENT JOINT TYPES 13C18-O5D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-O6A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-O6B BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-O6C DETOUR SIGNING FOR MAINLINE CLOSURES 15CO2-O6C 15CO3-O3 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15CO5-O3 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15CO7-14E PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS 15CO2-O5B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | O8D18-01 DRI VEWAY AND SI DEWALK RAMPS TYPES X & Y O8E10-02 INLET PROTECTION TYPE A, B, C AND D O8E14-01 TRACKI NG PAD O8F04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL O9B02-10 CONDUIT O9B04-11 PULL BOX O9C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9C03-04 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGI TUDI NAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05C CONCRETE PAVEMENT JOINT TYPES 13C18-05D CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES | 08D05-19G | CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES |
| O8D16-10 O8D18-01 ORDIVEWAY AND SIDEWALK RAMPS TYPES X & Y O8E10-02 ORE14-01 ORDIVEWAY AND SIDEWALK RAMPS TYPES X & Y ORDIVEMAN AND SIDEWALK RAMPS TYPES X & Y ORDIVEMAN AND SIDEWALK RAMPS AND SIDEWAL | O8D16-10 CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES O8D18-01 DRI VEWAY AND SI DEWALK RAMPS TYPES X & Y O8E10-02 INLET PROTECTION TYPE A, B, C AND D O8F04-01 TRACKING PAD O8F04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL O9B02-10 CONDUIT O9B04-11 PULL BOX O9C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9C03-04 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT STEEL REINFORCEMENT 13C18-05B CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C02-06C TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E | 08D05-19F | CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS |
| OBD05-19G OBD16-10 OBD16-10 OBD18-01 OBD18-01 OBI VEWAY AND SI DEWALK RAMPS TYPES X & Y OBD18-02 OBE14-01 OBF04-07 OBF04-07 OBF04-07 OBF02-10 OBF02-10 OBF02-10 OBF01-14G OBC01-18 CONCRETE BASES, TYPES 1, 2, 5, & 6 OBC01-18 OBC01-18 CONCRETE BASES, TYPES 1, 2, 5, & 6 OBC01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING ASSISTANCE 13C18-05B CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06B BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C08-18A BICYCLE LANE MARKING FOR SHARED LANE 35 MPH OR LESS | O8D05-19G CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES O8D16-10 CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES O8D18-01 DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y O8E10-02 INLET PROTECTION TYPE A, B, C AND D O8E14-01 TRACKING PAD O8F04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL O9B02-10 CONDUIT O9B04-11 PULL BOX O9C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9C03-04 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT JOINTING 13C18-05C CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRICADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES | 08D05-19E | CURB RAMPS TYPES 5, 6, 7A, 7B & 8 |
| OBDO5-19F OBDO5-19G OCURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS OBD16-10 OCONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES OBD18-01 OBI8-01 ORI VEWAY AND SI DEWALK RAMPS TYPES X & Y OBE10-02 OBE14-01 OBF04-07 OBF04-07 OFF04-07 OFF0 | OBDO5-19F OBDO5-19G OURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS OBD16-10 OCONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES OBD18-01 DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y OBE10-02 INLET PROTECTION TYPE A, B, C AND D OBF04-07 OBF04-07 OBF04-07 OBF04-11 OPB04-11 OPB04-11 OPG02-07 OFF06-08 OFF06-09 OFF06- | 08D05-19D | |
| OBDO5-19E CURB RAMPS TYPES 5, 6, 7A, 7B & 8 OBDO5-19F CURB RAMPS RADI AL DETECTABLE WARNING FIELD APPLICATIONS OBDO5-19G CURB RAMPS RECTANGULAR AND RADI AL DETECTABLE WARNING PLATES OBD16-10 CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES OBD18-01 DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y OBE10-02 INLET PROTECTION TYPE A, B, C AND D OBE14-01 TRACKING PAD OBF04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL OBB02-10 CONDUIT OBB04-11 PULL BOX O9C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9C03-04 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT JOINTING 13C18-05C CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C08-18A LONGITUDINAL MARKING (MAINLINE) 15C02-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | O8D05-19E O8D05-19F CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS O8D05-19G ORD05-19G CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES O8D16-10 ORD18-01 ORDIVEWAY AND SIDEWALK RAMPS TYPES X & Y O8E10-02 O8E14-01 O8F04-07 O8F04-07 O9B02-10 O8F04-11 O9B04-11 O9B04-11 O9C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9C03-04 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C13-08 URBAN DOWELED CONCRETE PAVEMENT JOINT STEEL REINFORCEMENT CONCRETE PAVEMENT JOINTING 13C18-05A CONCRETE PAVEMENT JOINTING CONCRETE PAVEMENT JOINTING TSC18-05B TSC02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES TSC02-06C DETOUR SIGNING FOR MAINLINE CLOSURES TSC02-06C TSC03-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS TSC07-14E PAVEMENT MARKING FOR BIKE LANES | 08D05-19C | |
| OBDO5-19D CURB RAMPS TYPE 4B AND 4B1 OBDO5-19F CURB RAMPS TYPES 5, 6, 7A, 7B & 8 OBDO5-19F CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS OBDO5-19G CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES OBD16-10 CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES OBD18-01 DRI VEWAY AND SIDEWALK RAMPS TYPES X & Y OBE10-02 INLET PROTECTION TYPE A, B, C AND D OBE14-01 TRACKING PAD OBF04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL OPB02-10 CONDUIT OPB04-11 PULL BOX OPC03-04 TRANSFORMER/PEDESTAL BASES OPC03-04 TRANSFORMER/PEDESTAL BASES OPC01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C01-18 CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT JOINTING 13C18-05C CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES 15C02-06A BARRICADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E PAVEMENT MARKING FOR BIKE LANES 15C09-05B PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS | OBDO5-19D CURB RAMPS TYPE 4B AND 4B1 OBDO5-19E CURB RAMPS TYPES 5, 6, 7A, 7B & 8 OBDO5-19F CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS OBDO5-19G CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES OBD16-10 CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES OBD18-01 DRI VEWAY AND SIDEWALK RAMPS TYPES X & Y OBE10-02 INLET PROTECTION TYPE A, B, C AND D OBF04-07 JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL OBB02-10 CONDUIT OBB04-11 PULL BOX O9C02-07 CONCRETE BASES, TYPES 1, 2, 5, & 6 O9C03-04 TRANSFORMER/PEDESTAL BASES O9E01-14G HARDWARE DETAILS FOR POLE MOUNTINGS 13C13-08 URBAN DOWELED CONCRETE PAVEMENT 13C18-05A CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT JOINTING 13C18-05B CONCRETE PAVEMENT JOINTING TYPES 13C18-05D CONCRETE PAVEMENT JOINTING TICLITY FIXTURES 15C02-06A BARRI CADES AND SIGNS FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C02-06C DETOUR SIGNING FOR MAINLINE CLOSURES 15C03-03 BARRI CADES AND SIGNS FOR SIDEROAD CLOSURES 15C05-03 TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M. P. H. OR LESS 15C07-14E | | |
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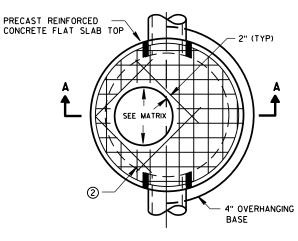


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SEE

MATRIX

SEE __ MATRIX **PRECAST** REINFORCED CONCRETE RISERS

OPTIONAL PRECAST REINFORCED CONCRETE **ECCENTRIC TOP**

PRECAST

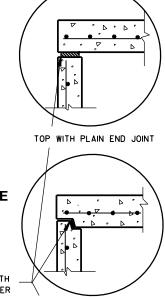
WALL

PRECAST REINFORCED

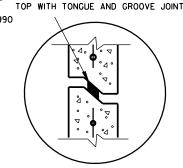
CONCRETE FLAT SLAB TOP

CONCRETE BASE 2

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

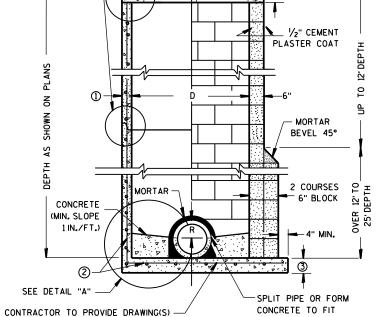


JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

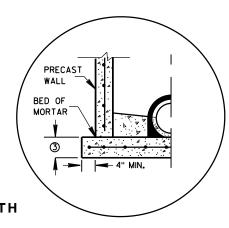


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B'



FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES PRECAST REINFORCED CONCRETE BLOCK WITH **CONCRETE WITH** CAST-IN-PLACE OR PRECAST REINFORCED MONOLITHIC BASE

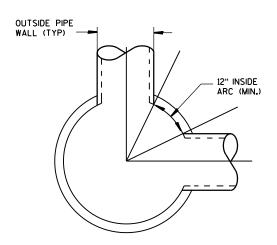


PRECAST REINFORCED

CONCRETE WITH INTEGRAL BASE OPTION

SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER. THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES, FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

- MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT. 6 INCHES FOR 5-FT, 7 INCHES O MINIMUM WALL IHICKNESS SHALL DE 4 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.
- (2) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.
- (3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS

MANHOLE COVER OPENING MATRIX

| ĺ | MANHOLE COVER TYPE | С | ALL J'S | K | L | М |
|---|-----------------------|---|---------|---|---|---|
| | OPENING SIZE (FT) | | | | | |
| | 2 DIA. | × | х | | Х | |
| ı | 3 DIA. | | | Х | | Х |

PIPE MATRIX

| MANHOLE | MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES | | | | | | |
|---------|---|---------------------|--|--|--|--|--|
| SIZE | 180° SEPARATION (IN) | 90° SEPARATION (IN) | | | | | |
| 3-FT | 15 | 12 | | | | | |
| 4-FT | 24 | 18 | | | | | |
| 5-FT | 36 | 24 | | | | | |
| 6-FT | 42 | 36 | | | | | |
| 7-FT | 48 | 36 | | | | | |
| 8-FT | 60 | 42 | | | | | |

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT 7-FT AND 8-FT DIAMETER

> STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

| PPROVED | |
|-------------|------------------------|
| Sept., 2016 | /S/ Rodney Taylor |
| DATE | ROADWAY STANDARDS DEVE |
| | UNIT SUPERVISOR |

ELOPMENT

CIRCULAR INLETS W/ FLAT TOP

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SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" DETAIL "A"

INLETS 3-FT AND 4-FT DIAMETER

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 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.

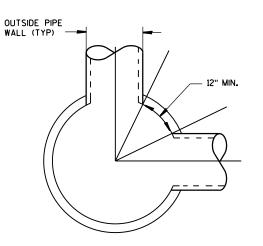
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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 | С | F | ALL H'S | S | Т | ٧ | WM | Z |
|------------|-------------------|---------|---------|----|---|---|---------|---|---|---|----|---|
| INLET SIZE | OPENING SIZE (FT) | | | | | | | | | | | |
| 3-FT | 2 DIA. | | | | × | | | | | | | х |
| | 2X2 | х | х | | | | | Х | | Х | | |
| 4-FT | 2 DIA. | | | | х | | | | | | | х |
| | 2X2 | х | х | | | | | х | | Х | | |
| | 2X2.5 | | | Х | | | | х | х | Х | х | |
| | 2X3 | | | | | | х | | | | | |
| | 2.5X3 | | | | | х | | | | | | |



DETAIL "C"

PIPE MATRIX

| | INLET | MAXIMUM INSIDE P FOR TWO | |
|---|-------|-----------------------------|---------------------|
| ١ | SIZE | 180° SEPARATION (IN) | 90° SEPARATION (IN) |
| | 3-FT | 15 | 12 |
| | 4-FT | 24 | 18 |

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

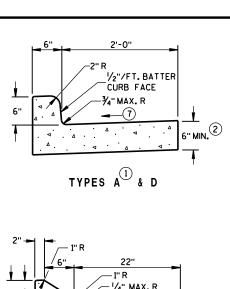
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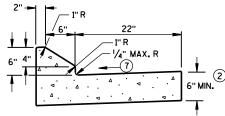
Sept., 2016 /S/ Rodney Taylor DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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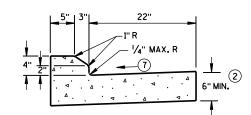
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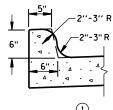




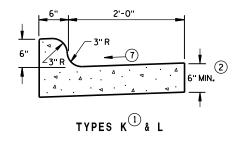
6" SLOPED CURB TYPES G 4 J



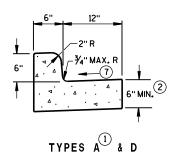
4" SLOPED CURB TYPES G 4 J



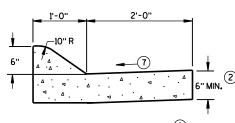
TYPES K (1) & L (OPTIONAL CURB SHAPE)



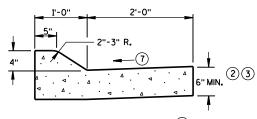
CONCRETE CURB & GUTTER 30"



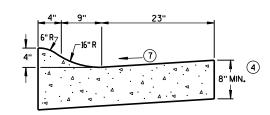
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A & D

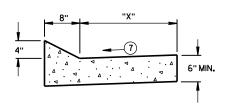


4" SLOPED CURB TYPES A D



4" SLOPED CURB TYPES R T & T

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT

CONCRETE CURB & GUTTER

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

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS 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 & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

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

- (1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER 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
- (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) 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.

PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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

6

20a

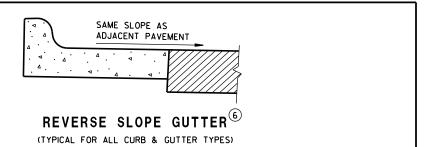
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CONCRETE PANEL WIDTH SAME PAY LIMITS TRAFFIC TRAFFIC LANE -AS CURB & GUTTER LANE PAVEMENT SLOPE PAVEMENT THICKNESS

PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



CONCRETE CURB & GUTTER

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

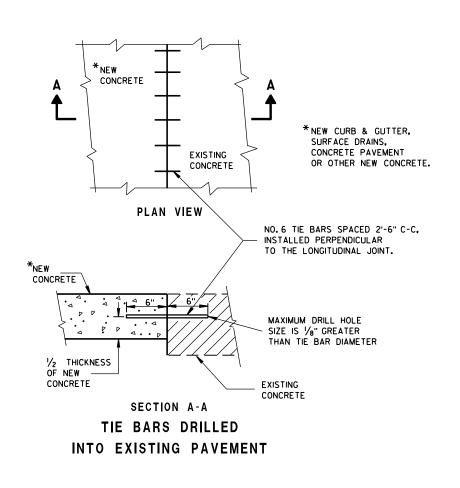
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^{*} BIKE LANE IS NOT SHOWN.

DETAIL OF CURB AND GUTTER AT INLETS (TYPE H INLET COVER SHOWN)

CONTRACTION PAVEMENT

END SECTION CURB & GUTTER



GENERAL NOTES

_ 1/2"/FT.BATTER,FACE OF CURB (ABOVE ADJACENT PAVEMENT)

ADJACENT

PAVEMENT

NO. 4 X 2'-0" DEF. TIE

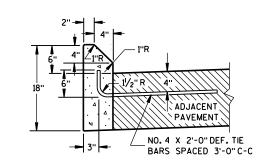
BARS SPACED 3'-0" C-C

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

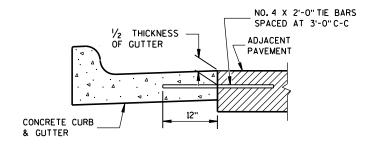
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- 2 THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- (9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



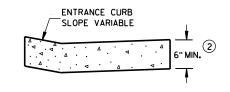
TYPES A D

TYPES G 4 J

CONCRETE CURB



TYPICAL TIE BAR LOCATION 1



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Rodney Taylor June, 2017 DATE

ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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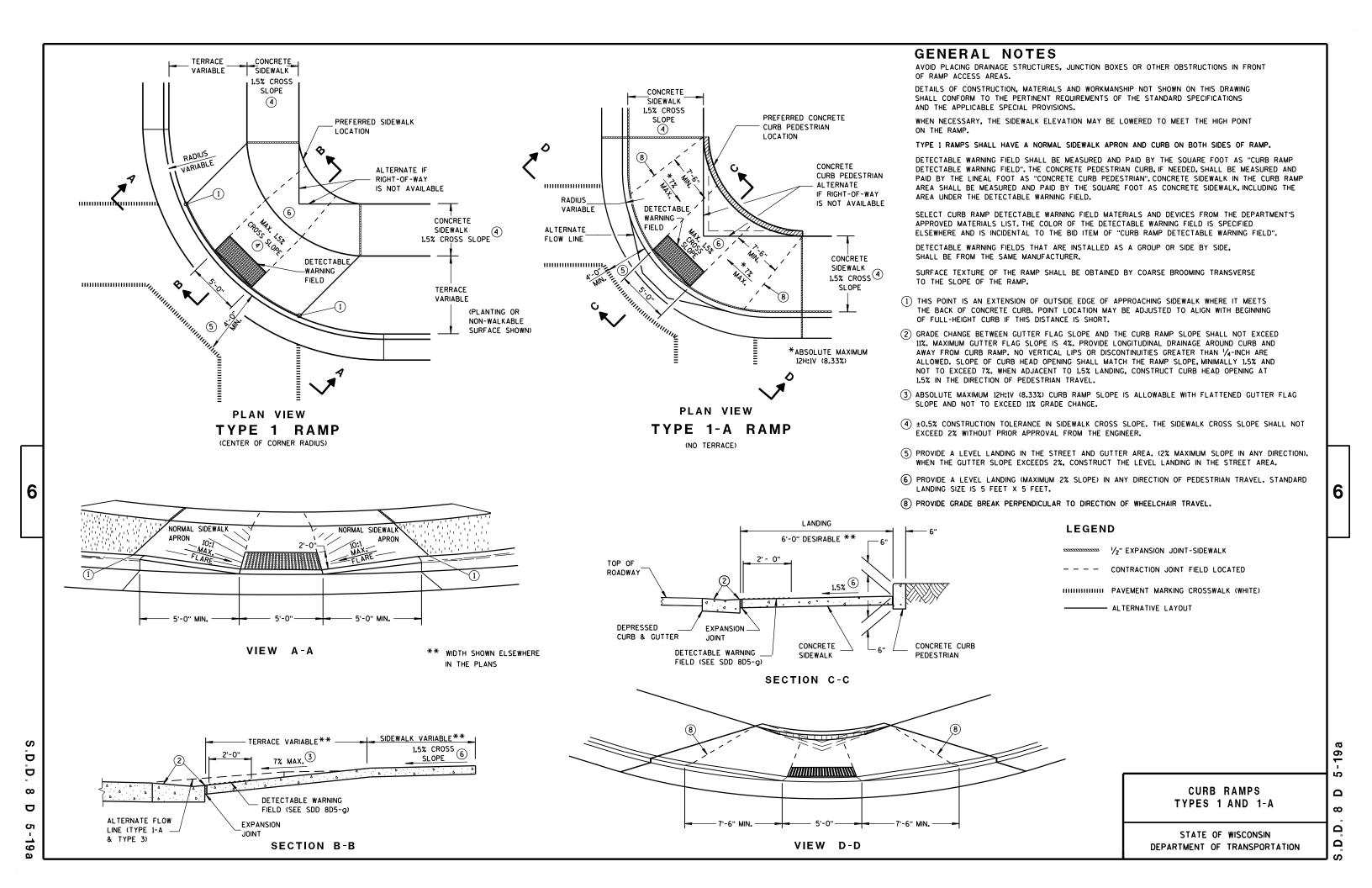
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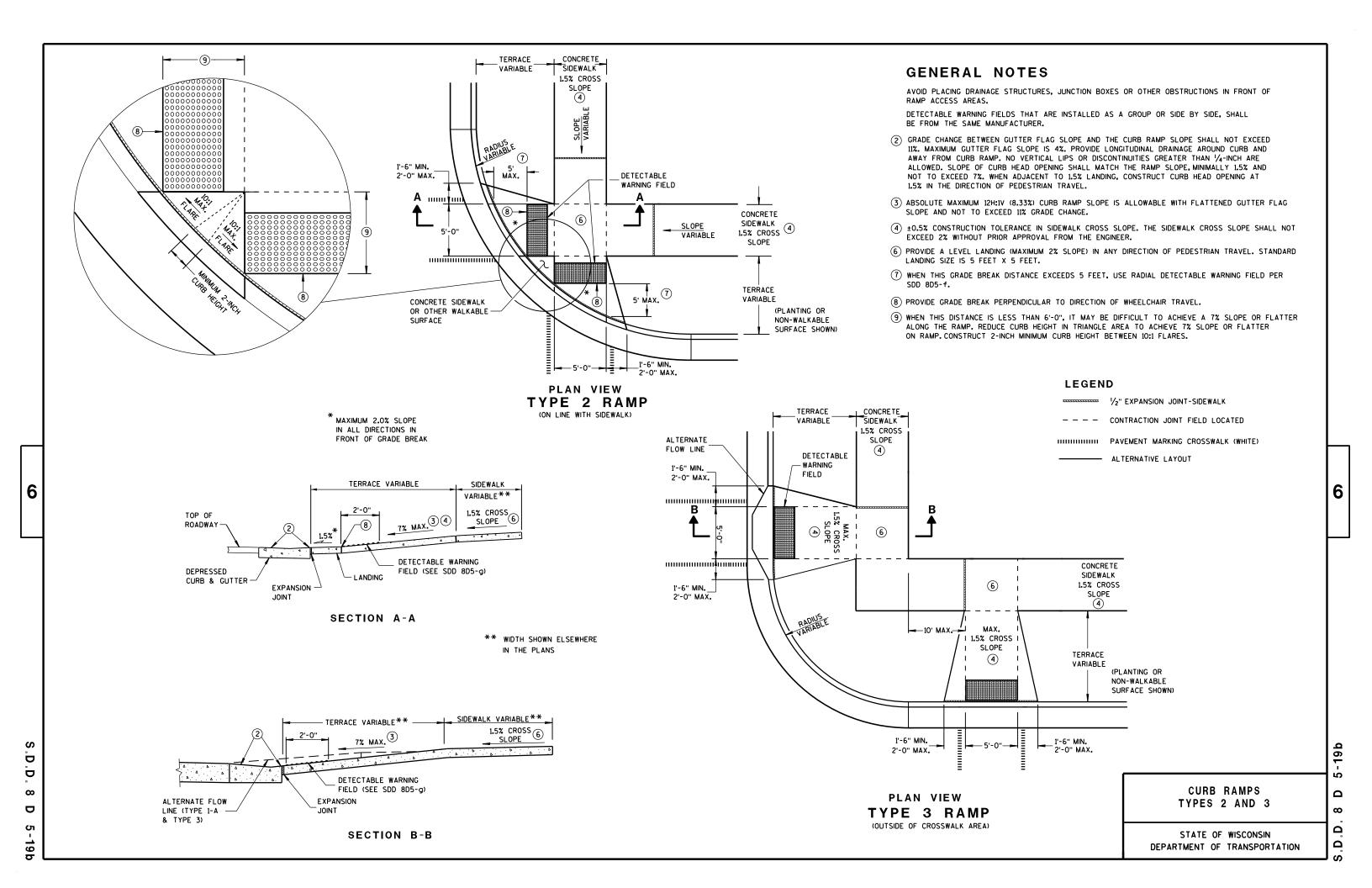
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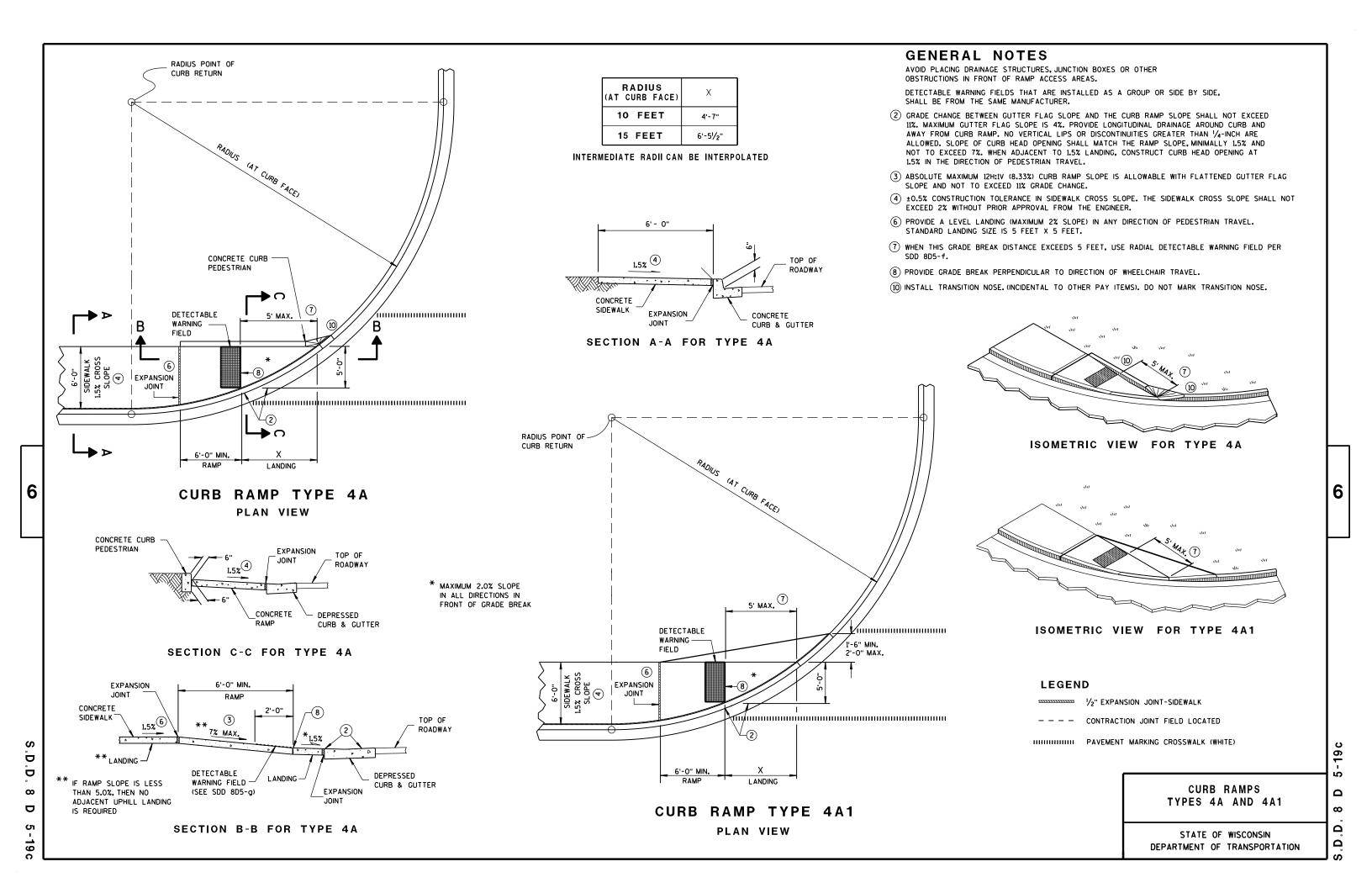
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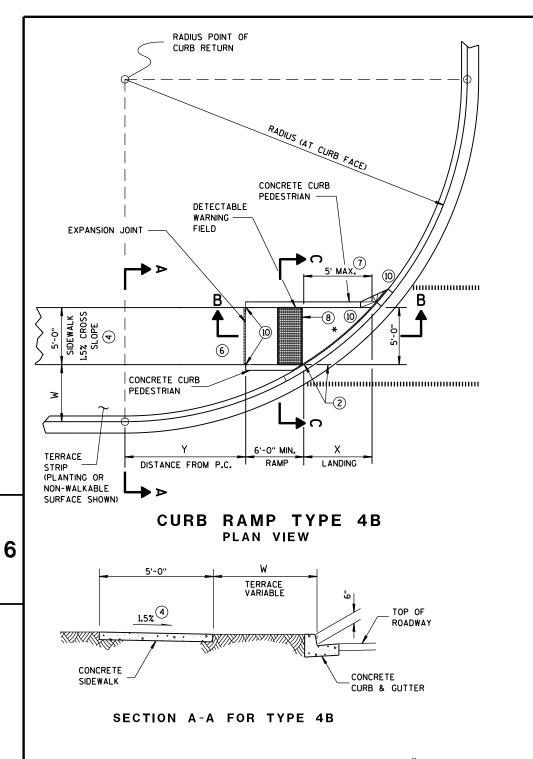
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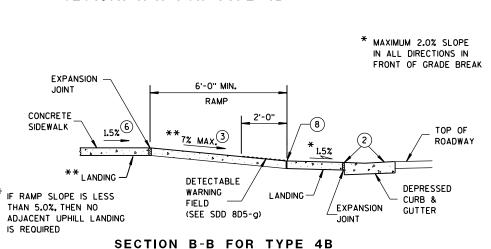
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| RADIUS | W = | 3' - 0" | W = | 4' - Ø" | W = | 5' - Ø" | W = | 6' - Ø" | W = | 7' - Ø" | W = | 8' - Ø" | W = | 9' - Ø" | W = | 10' - 0" |
|----------------|-----------|----------|-----------|-----------|----------|----------|--------|----------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|
| (AT CURB FACE) | Х | Y | Х | Y | Х | Y | X | Y | Х | Y | Х | Y | Х | Y | Х | Y |
| 10 FEET | 2'-101/4" | 0'-5" | 2'-1" | 1'-41/2" | 1'-5" | 2'-1" | 0'-10" | 2'-71/2" | 0'-31/4" | 3'-01/4" | | | | | | |
| 15 FEET | 4'-6¾" | 2'-1¾" | 3'-9" | 3'-51/4" | 3'-1'/4" | 4'-6" | 2'-6¾" | 5'-41/2" | 2'-1" | 6'-1" | 1'-8" | 6'-81/2" | 1'-31/4" | 7'-21/2" | 0'-10¾" | 7'-71/4" |
| 20 FEET | 5'-9¾" | 3'-61/2" | 4'-11'/2" | 5'-13/4" | 4'-3'/4" | 6'-51/2" | 3'-8¾" | 7'-7" | 3'-3" | 8'-61/2" | 2'-10" | 9'-41/2" | 2'-51/2" | 10'-1'/4" | 2'-11/4" | 10'-9" |
| 30 FEET | | | 6'-9'/4" | 7'-11'/4" | 6'-0'/4" | 9'-8" | 5'-5" | 11'-1¾'' | 4'-10¾" | 12'-5¾" | 4'-51/2" | 13'-7¾" | 4'-0¾" | 14'-81/2" | 3'-81/2" | 15'-8'/4" |
| 40 FEET | | | | | | | | | 6'-1¾" | 15'-81/2" | 5'-8" | 17'-2" | 5'-3" | 18'-5¾" | 4'-10¾" | 19'-8'/4" |
| 50 FEET | | | | | | | | | | | | | | | 5'-10'/4" | 23'-2" |

GENERAL NOTES

5'-0" RAMP

VARIES

0 TO 6"

<u>1.5%</u>

SECTION C-C FOR TYPE 4B

CONCRETE CURB

PEDESTRIAN

TERRACE STRIP

VARIES O TO W

CONCRETE

CURB & GUTTER

ROADWAY

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

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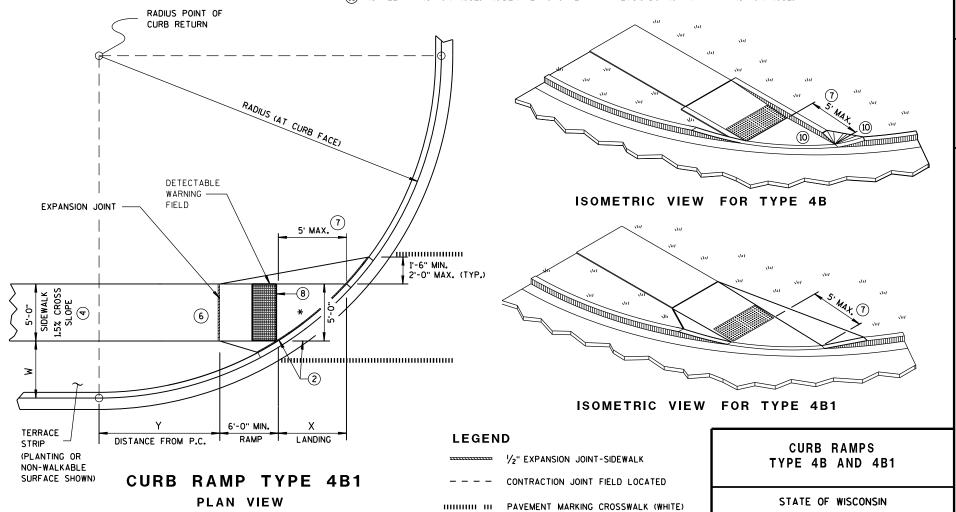
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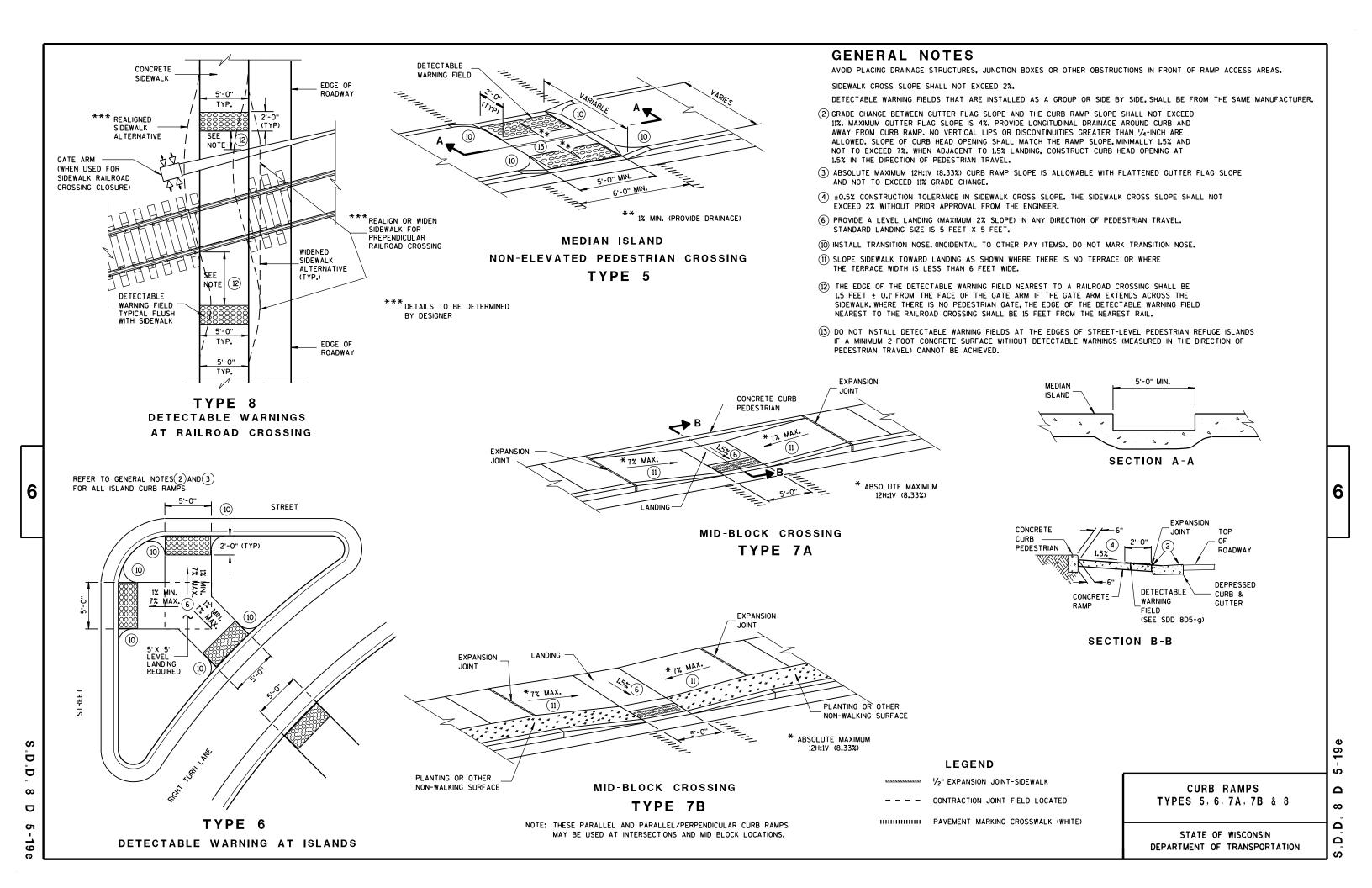
DEPARTMENT OF TRANSPORTATION

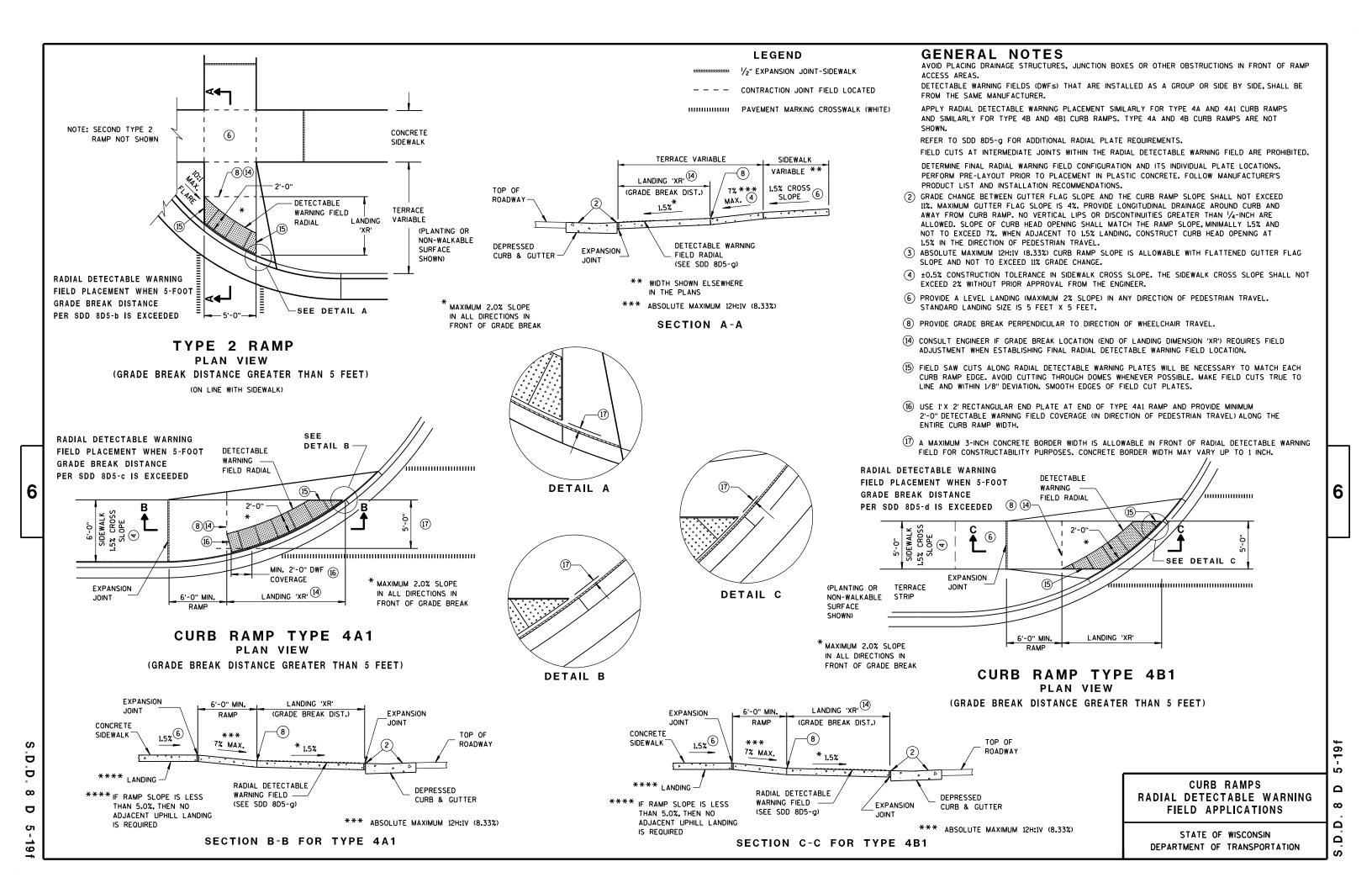
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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 1/4-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 ABSOLUTE MAXIMUM 12H:1V (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 X 5 FEET.
- 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.







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| A B | RAN | (a) |
|-----|-----|-----|
| A | | (B |

PLAN VIEW

| 00 C | |
|-----------|------|
| ELEVATION | VIEW |

THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

MIN.

1.6"

0.65"

В

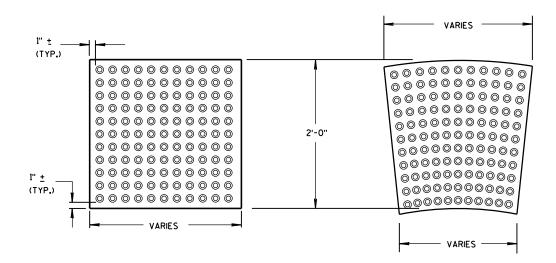
MAX

2.4"

1.5"

1.4"

TRUNCATED DOMES DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR **PLATES**

RADIAL **PLATES**

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, 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 FIELD ARE PROHIBITED.

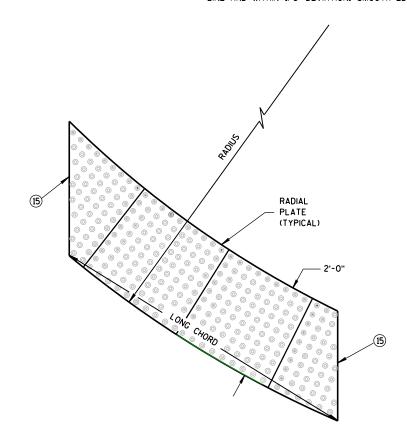
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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 WEDGES IN COMBINATION WITH SQUARE PANELS 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 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



RADIAL DETECTABLE **WARNING FIELD ATTRIBUTES**

CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

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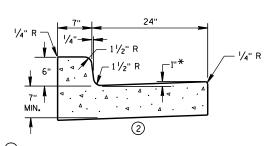
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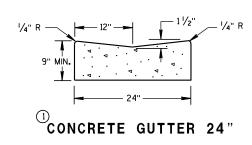
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

| APPROVED | |
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| | |

/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

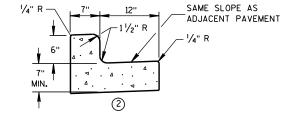


CONCRETE CURB & GUTTER 31"

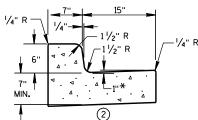


* TO BE MEASURED TO A

MAXIMUM OF 3" WHERE DRAINAGE PROBLEMS EXIST.



CONCRETE CURB & GUTTER 19"



OCONCRETE CURB & GUTTER 22"

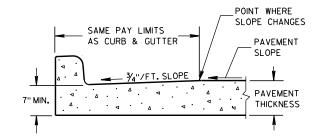
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PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER

GENERAL NOTES

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

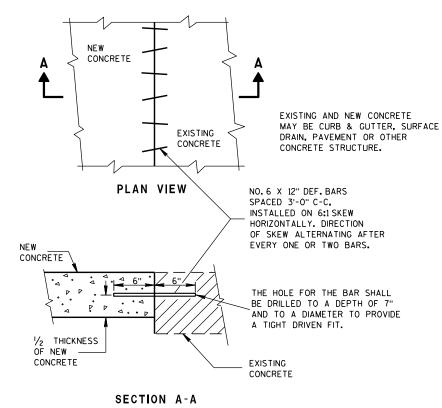
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

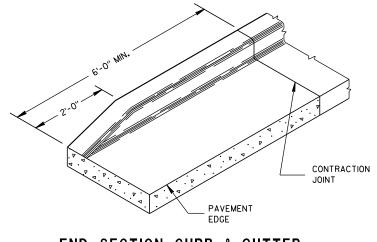
WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND UNCLASSIFIED EXCAVATION LIMITS ARE 2'-O" BEHIND THE BACK OF CURB.

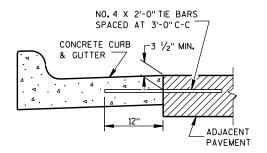
- WHEN PLACED ADJACENT TO NEW CONCRETE, TIE BARS ARE REQUIRED FOR CURB AND GUTTER 31", 22", 19" AND CONCRETE GUTTER 24".
- THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 7" MIMIMUM GUTTER THICKNESS IS
- (3) WHEN HIGH SIDE CURB SECTION IS REQUIRED, THE LOCATION(S) WILL BE NOTED ON THE PLAN.



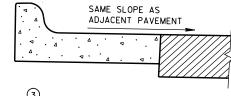
PAVEMENT TIES



END SECTION CURB & GUTTER



TYPICAL TIE BAR LOCATION



HIGH SIDE SECTION

(TYPICAL FOR ALL CURB & GUTTER)



(For Optional Use in Milwaukee Co. Only)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

/S/ Jerry Zogg 11/2/2010 ROADWAY STANDARDS DEVELOPMENT ENGINEER

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TYPE Y

SIDEWALK WITH NARROWER TERRACE

TERRACE VARIES 4 TO 6 FEET

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TERRACE

PLANTING OR OTHER

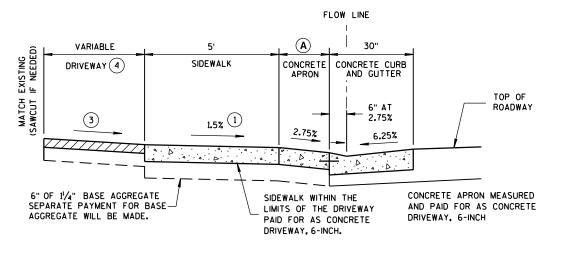
NON-WALKING SURFACE

CURB AND

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE) 16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

- (1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
- (2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.
- 3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM 10.5% UP AWAY FROM SIDEWALK (SAG) 8.5% DOWN AWAY FROM SIDEWALK (CREST) ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG
- (4) DRIVEWAY TYPES
 - . 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
 - 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
 - 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)
- (5) 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.
- (6) (W) IS SHOWN ON PLAN AND PROFILE SHEETS.
- OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.
- (8) SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y

DRIVEWAY DETAIL WITH CONCRETE CURB & GUTTER

(URBAN AND SUBURBAN)

TABLE Y

BACK OF CURB

| © FEET |
|-----------|
| 2.0' |
| 3.0' |
| 3.5' |
| |

| DRIVEWAY AI | ND SIDEWALK |
|--------------------|----------------|
| RAMPS | |
| TYPES | X & Y |
| STATE OF WISCONSIN | |
| DEPARTMENT OF | TRANSPORTATION |

APPROVED

December, 2016 /S/ Rodney Taylor DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR FHWA

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INLET PROTECTION, TYPE A

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

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.



INLET PROTECTION, TYPE C (WITH CURB BOX)

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

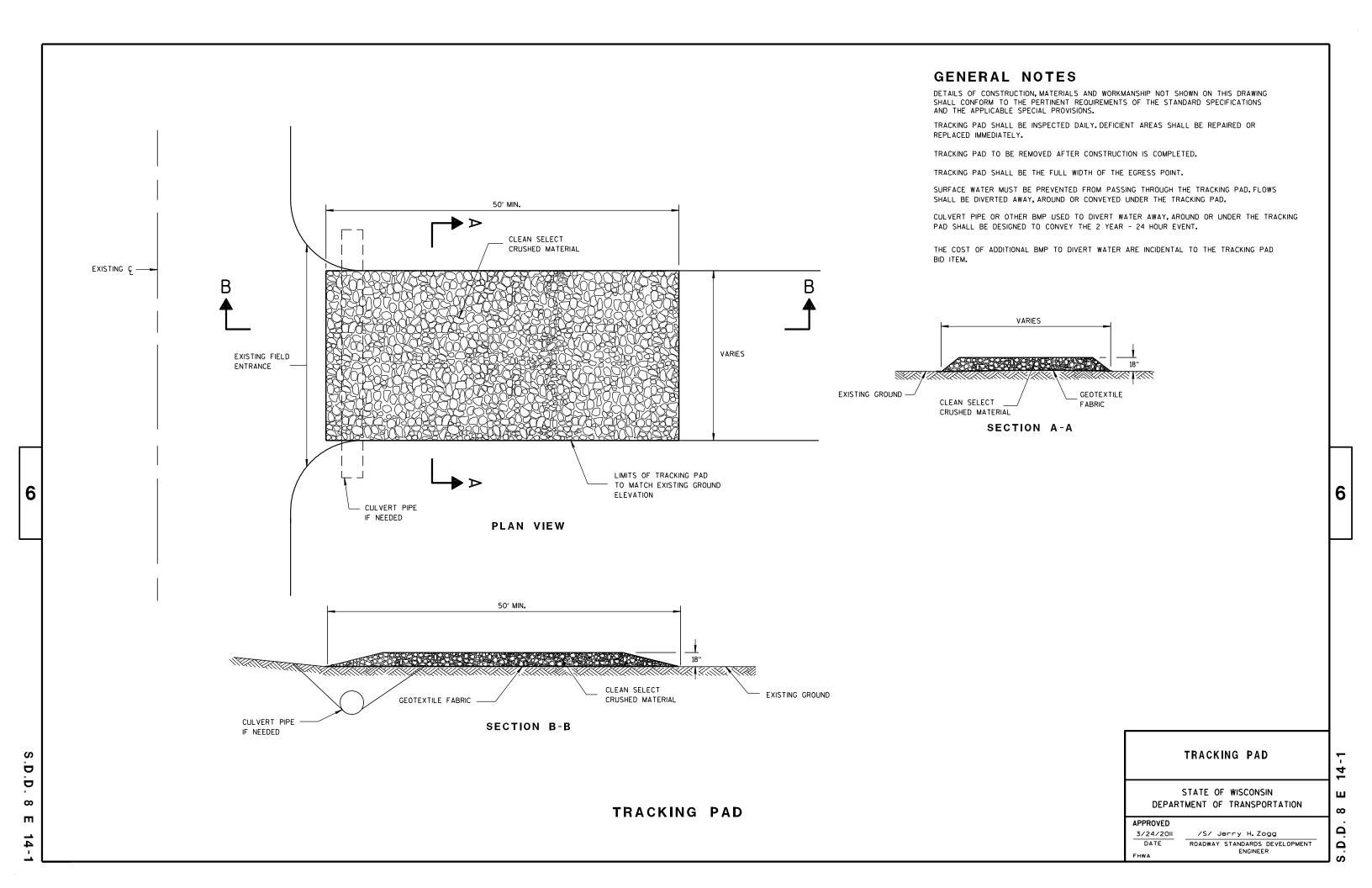
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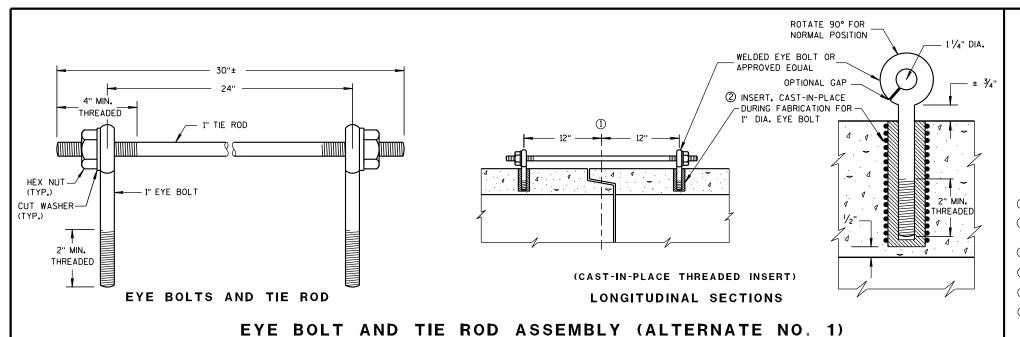
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER 6

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GENERAL NOTES

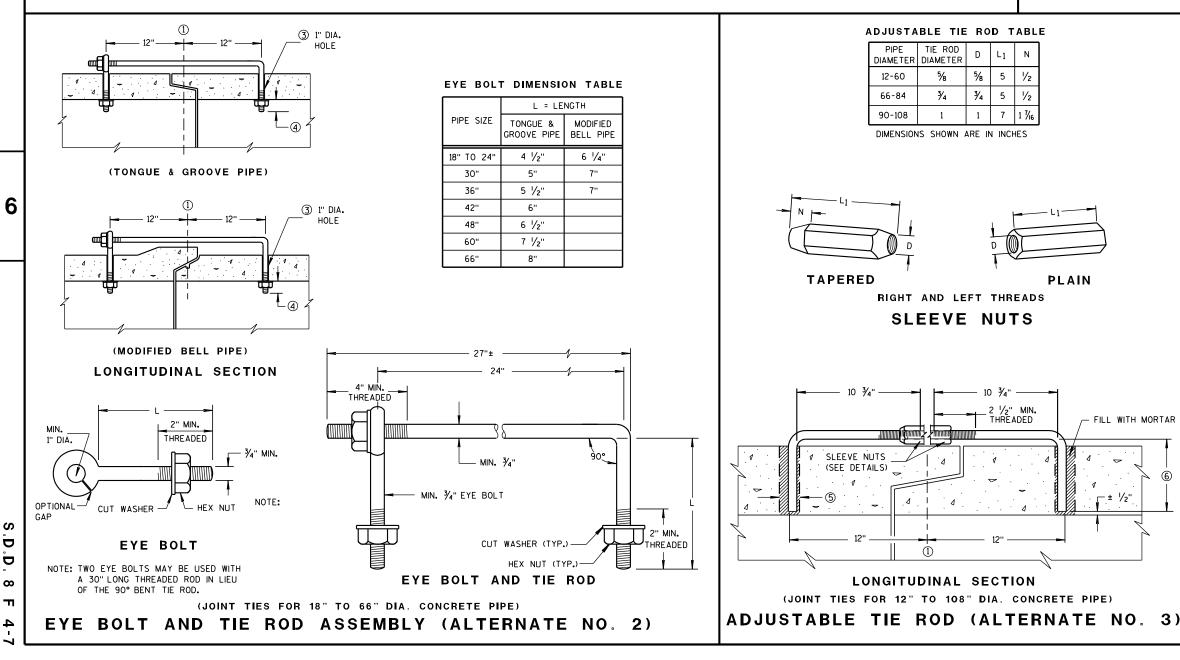
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES, ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

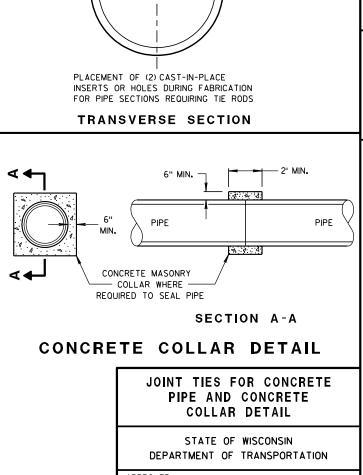
DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

- (1) & OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.
- THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE
- ${\mathfrak S}$ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ${\mathfrak L}$ OF TONGUE AND GROOVE.
- 4 BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.
- (5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.
- ⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN $rac{1}{2}$ INCH OF THE INNER SURFACE OF THE PIPE.



ADJUSTABLE TIE ROD TABLE 5/8 5 12-60 3/4 5 1/2 3/4 90-108 DIMENSIONS SHOWN ARE IN INCHES **TAPERED** PLAIN RIGHT AND LEFT THREADS **SLEEVE NUTS** 2 1/2" MIN. THREADED FILL WITH MORTAR SLEEVE NUTS (SEE DETAILS) LONGITUDINAL SECTION (JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)



6/5/2012

DATE

/S/ Jerry H. Zogg

ROADWAY STANDARDS DEVELOPMENT

ENGINEER

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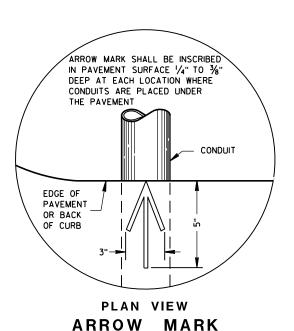
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ARROW MARK INSCRIBED IN PAVEMENT SURFACE OVER € OF CONDUIT (BOTH ENDS) — 2'-0"*—*⁄ NORMAL PAVEMENT EDGE OF THICKNESS **PAVEMENT** PAVEMENT OR BACK OF CURB BASE COURSE BACKFILL SLOPE 1/8"/FT. EITHER DIRECTION *DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES - CONDUIT, PITCH TO DRAIN 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 REIN-STALLED 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

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 | /S/ Ahmet Demirbilek |
| DATE | STATE ELECTRICAL ENGINEER |

| DIMENSION IN INCHES | | | | COF | RRUGAT | ED ST | EEL P | IPE | | |
|---------------------------|---|--------|--------|--------|-------------------|--------|--------|--------|--------|--------|
| PIPE DIAMETER (INSIDE) | Α | 12 | 12 | 12 | 18 | 18 | 18 | 24 | 24 | 24 |
| PIPE LENGTH ** | В | 24 | 30 | 36 | 24 | 30 | 36 | 36 | 42 | 48 |
| WALL THICKNESS | С | 0.064 | 0.064 | 0.064 | 0.064 0.064 0.064 | | 0.064 | 0.064 | 0.064 | |
| COVER | D | 10 1/4 | 10 1/4 | 10 1/4 | 16 1/4 | 16 1/4 | 16 1/4 | 22 1/4 | 22 1/4 | 22 1/4 |
| FRAME | Ε | 14 1/2 | 14 1/2 | 14 1/2 | 20 ½ | 20 ½ | 20 ½ | 26 ½ | 26 ½ | 26 ½ |
| FRAME | F | 8 1/2 | 8 1/2 | 8 1/2 | 14 1/2 | 14 ½ | 14 1/2 | 20 ½ | 20 ½ | 20 ½ |
| FRAME | G | 11 1/2 | 11 1/2 | 11 1/2 | 17 1/2 | 17 1/2 | 17 1/2 | 23 ½ | 23 ½ | 23 ½ |
| | | | | | WEIGH | T IN P | OUNDS | * | | |
| 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.

6" MAX. **EXTENSION** TOP OF ORIGINAL CORRUGATED PIPE (3) BOLTS, NUTS & LOCKWASHERS REQUIRED

ELECTRIC

FINAL GRADE

ALL METALLIC CONDUIT

AND THREADED

CUT OPENINGS

THE FIELD

2" PVC PIPE CAP ON BOTH ENDS

WITH 7, 8 1/4" HOLES DRILLED

IN EACH END.

PULL BOX

AS REQUIRED IN

ENDS SHALL BE REAMED

ALL CONDUIT PITCHED

4 TO 8 BRICKS

EQUALLY SPACED

TO DRAIN TO PULL BOXES

2" DRAIN DUCT TO

DITCH OR SEWER

WHEN SPECIFIED

CORRUGATED PIPE EXTENDER

HEAVY DUTY FRAME -

6" MIN.

(TYP.)

AND COVER

WHEN A PULL BOX IS INSTALLED IN CRUSHED

AGGREGATE SHOULDERS, PLACE IT 2-3

2-3 INCHES OF CRUSHED AGGREGATE

NO. 2 COARSE

(SEE SECTION 501

OF THE STANDARD

WIRE AND/OR CABLE.

INSTALL END BELLS (U.L. LISTED FOR

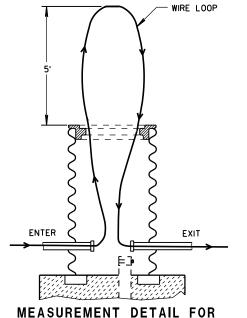
CONDUIT BEFORE INSTALLATION OF

ELECTRICAL USE) ON ALL NONMETALLIC

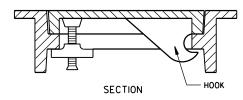
SPECIFICATIONS)

AGGREGATE

INCHES BELOW GRADE AND COVER IT WITH

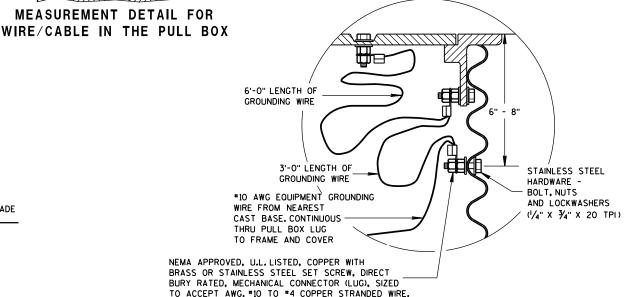


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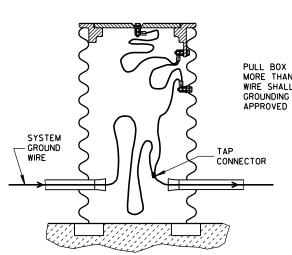


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



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.

PULL BOX

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2014 /S/ Ahmet Demirbilek DATE STATE ELECTRICAL ENGINEER FHWA

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

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED

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.

TRAFFIC LOADS.

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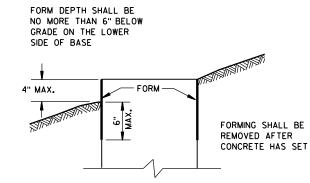
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| QUANTITY | CONCRE | TE BASI | E TYPE | | | | | | |
|---------------------------------|--------|---------|--------|--|--|--|--|--|--|
| REQUIREMENTS | 1 | 1 2 | | | | | | | |
| APPROX. CUBIC YARDS OF CONCRETE | 0.40 | 0.57 | 0.40 | | | | | | |
| LBS. OF HOOP BAR STEEL | NONE | 23 | 16 | | | | | | |
| LBS. OF VERTICAL BAR STEEL | NONE | 60 | 18 | | | | | | |

1" CONDUIT

PURPOSES

6" DIA.

ANCHOR RODS SHALL BE

ORIENTED PARALLEL TO

FORM ALL EXPOSED

CONCRETE. PROVIDE

1" CHAMFER ALL AROUND

THE ROADWAY

FOR GROUNDING

CONDUIT WITHIN

FORMING DETAIL

1'-8"

a)

1.1

1.1

1.1

TYPE 1

CONDUIT WITHIN

ANCHOR RODS SHALL BE

ORIENTED PARALLEL TO

THE ROADWAY

FORM ALL EXPOSED

CONCRETE. PROVIDE

TOPSOIL AND

SEED OR CRUSHED

AGGREGATE

EXOTHERMIC CONNECTION

GROUNDING CONDUCTOR

TO EQUIPMENT

%" DIA. X 8'-0"

COPPERCLAD EQUIPMENT

GROUNDING

ELECTRODE

D

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C

1" CHAMFER ALL AROUND

HALF SECTION

IN UNPAVED AREA

(TYPICAL FOR TYPES 1, 2, 5, & 6)

-CONDUIT

123/4" BOLT

CIRCLE

HALF SECTION

(TYPICAL FOR TYPES 1, 2, 5, & 6)

IN PAVEMENT

PAVEMENT 9

¾" PREFORMED

FILLER AS APPROVED BY THE ENGINEER

EXOTHERMIC CONNECTION

GROUNDING CONDUCTOR

TO EQUIPMENT

5/8" DIA. X 8'-0" COPPERCLAD EQUIPMENT

OPTIONAL 4" L BEND

OR HEX NUT (TYPICAL FOR TYPES 1, 2, 5, & 6)

REQUIRED

GROUNDING ELECTRODE

GENERAL NOTES

1" CONDUIT

PURPOSES

-CONDUIT

111/2" BOLT

ίουτ το ουτ

CIRCLE

FOR GROUNDING

CONDUIT

CONDUIT WITHIN

6" DIA.

ANCHOR RODS SHALL

BE ORIENTED

PARALLEL TO

THE ROADWAY

FORM ALL EXPOSED

CONCRETE, PROVIDE

EXOTHERMIC CONNECTION

GROUNDING CONDUCTOR

%" DIA. X 8'-0" COPPERCIAD FOUIPMENT GROUNDING ELECTRODE

REQUIRED

OPTIONAL 4" L BEND

OR HEX NUT (TYPICAL

FOR TYPES 1, 2, 5, & 6)

TO EQUIPMENT

1" CHAMFER ALL AROUND

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

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.

- Colo

-CONDUIT

3" X

-3" CLEAR

6" STUB

OPTIONAL 4" I BEND

OR HEX NUT (TYPICAL

FOR TYPES 1, 2, 5, & 6)

111/2" BOL T

COUT TO OUT

GENERAL NOTES (CONTINUED)

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 1FOOT OR LESS.

A NO. 4 AWG. STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A LINCH 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

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 BY 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 STEEL REINFORCEMENT @ 1'-0" C-C.

CONCRETE BASES

TYPE 2

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 31/4" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 41/2" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

TYPE 5 & 6

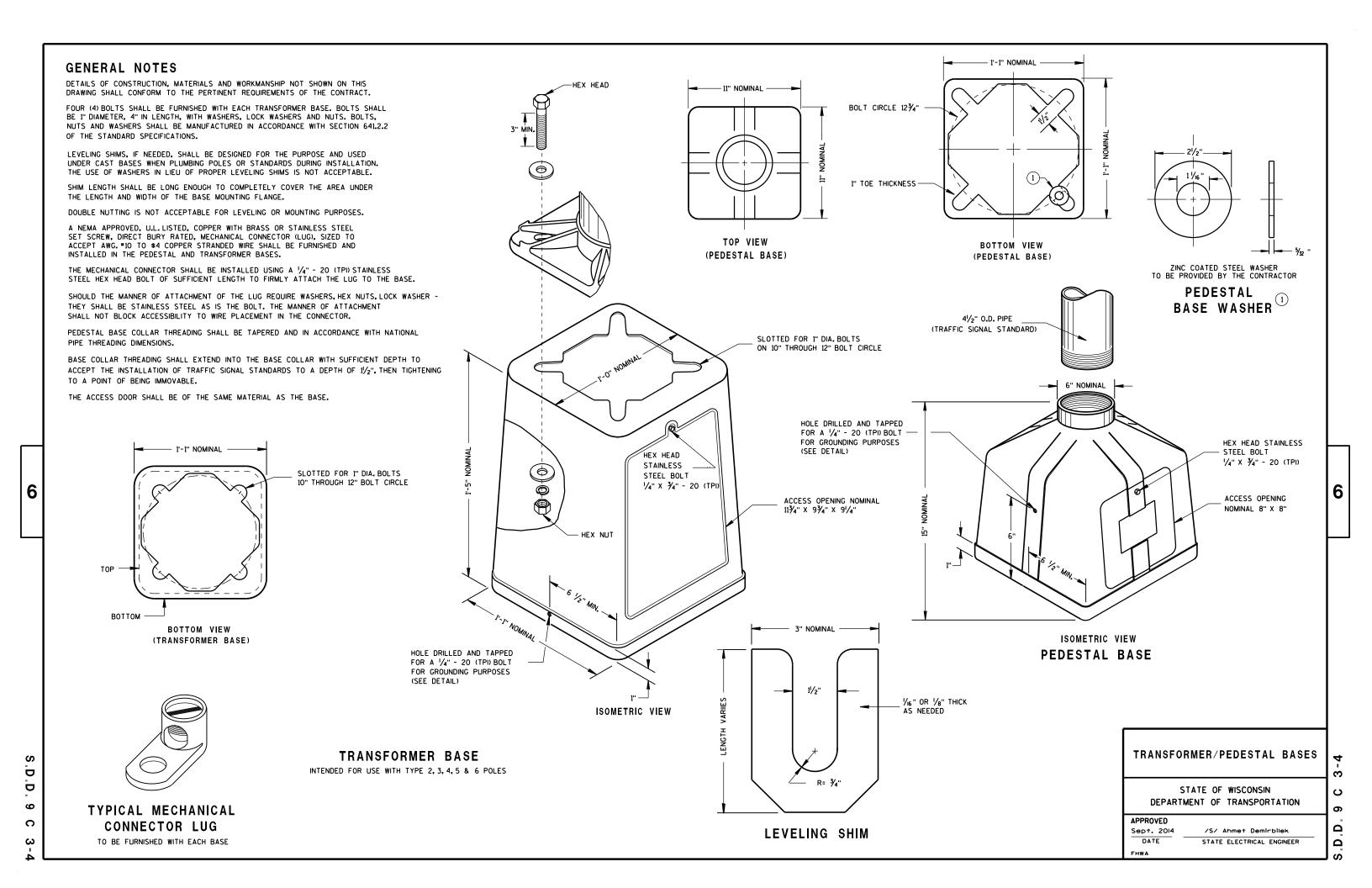
CONCRETE BASES, TYPES 1, 2, 5, & 6

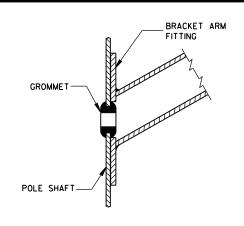
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

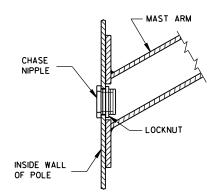
Sept. 2014 /S/ Ahmet Demirbile DATE STATE ELECTRICAL ENGINEER

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TYPICAL APPLICATION OF **GROMMET IN POLE SHAFT**

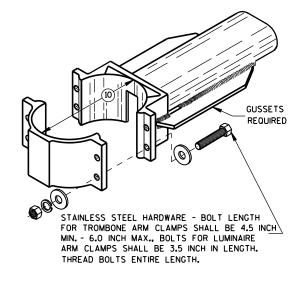


TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

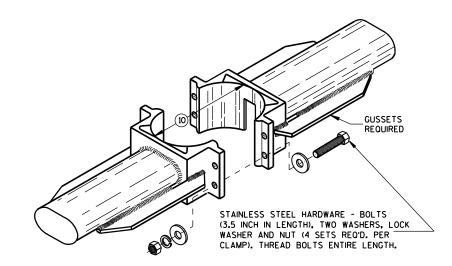
CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

- (10) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.
- INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)
- (12) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.
- (13) 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.

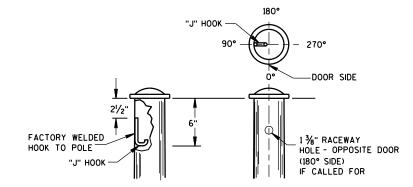
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



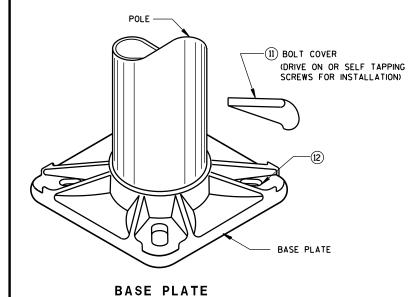
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP

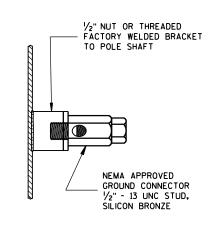


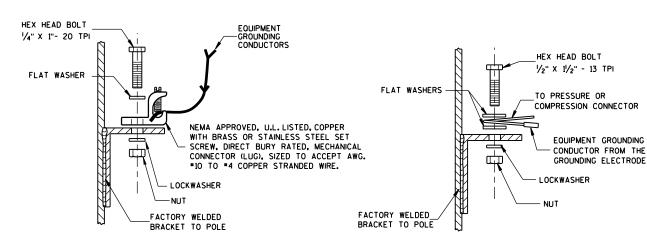
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS



TYPICAL "J" HOOK LOCATION







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

HARDWARE DETAILS FOR POLE MOUNTINGS

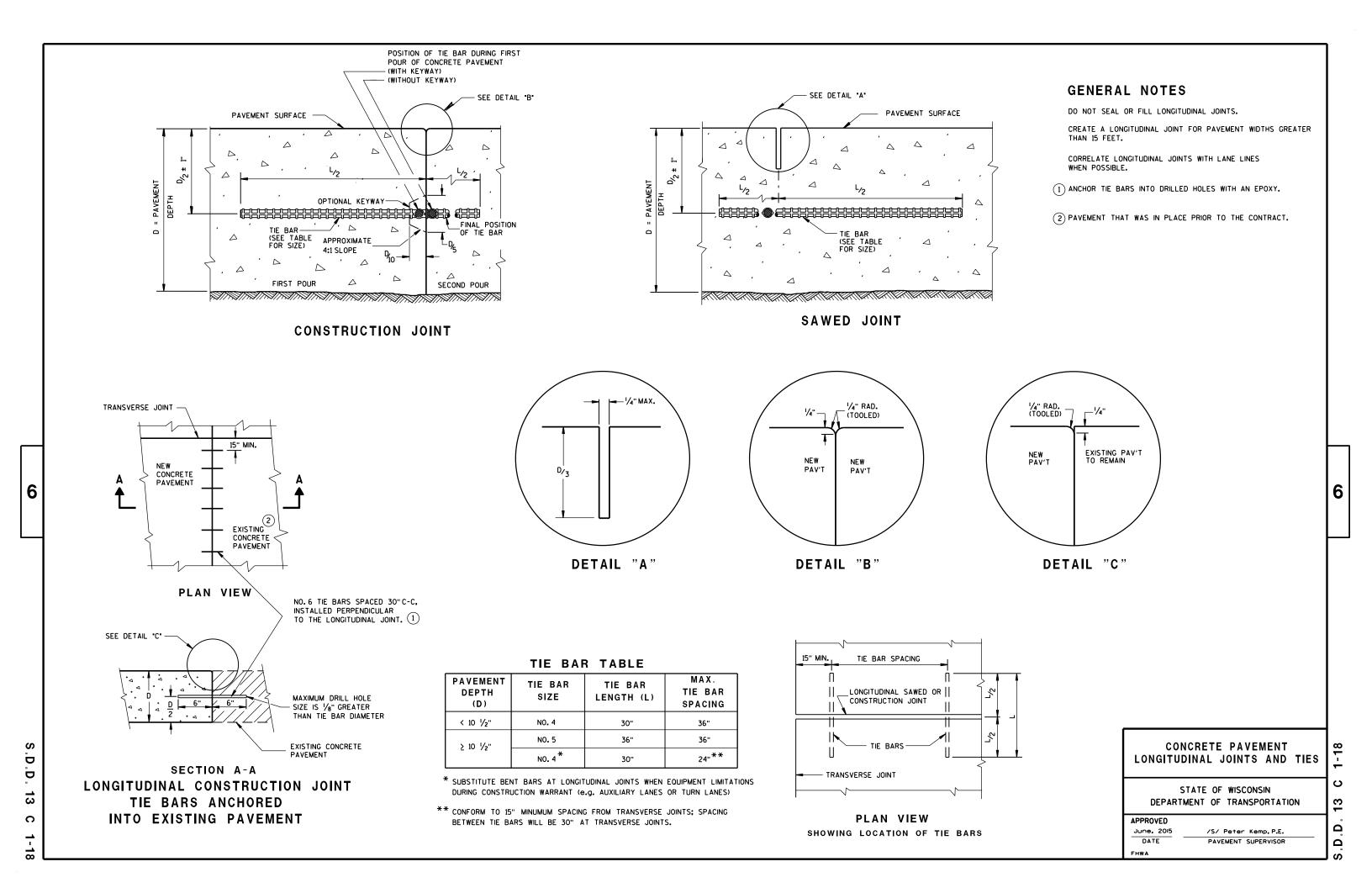
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

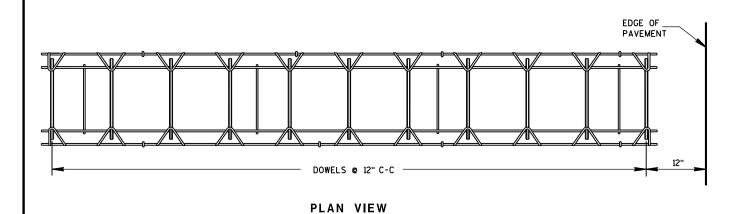
| APPROVED | |
|-----------|---------------------------|
| Feb. 2015 | /S/ Ahmet Demirbilek |
| DATE | STATE ELECTRICAL ENGINEER |
| FHWA | |

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PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

| PAVEMENT DEPTH (D) | DOWEL BAR DIAMETER | CONTRACTION JOINT SPACING | | | | | | |
|--------------------------|-----------------------|---------------------------------|--|--|--|--|--|--|
| 5 1/2", 6",6 1/2" | NONE | 12' | | | | | | |
| 7",7 1/2" | 1" | 14' | | | | | | |
| 8"•8 1/2" | 1 1/4" | 15' | | | | | | |
| 9",9 1/2" | 1 1/4" | 15' | | | | | | |
| 10" & ABOVE | 1 1/2" | 15' | | | | | | |

GENERAL NOTES

CONTRACTION JOINTS

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

DO NOT SEAL OR FILL CONTRACTION JOINTS.

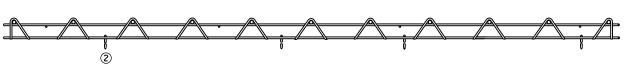
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

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

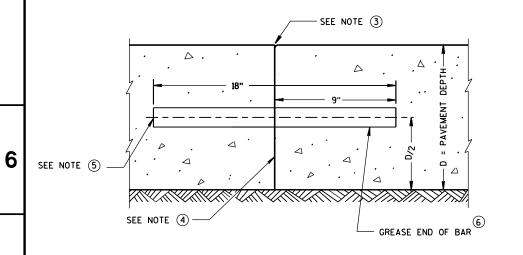
CONSTRUCTION JOINTS

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

- (1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.
- 2) SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.
- (3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.
- 4 PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.
- 5 INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO DRILLED DOWEL BAR CONSTRUCTION JOINT DETAIL.
- 6 APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.
- (7) ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER. 9 INCHES IN LENGTH.



SIDE VIEW CONTRACTION JOINT DOWEL ASSEMBLY



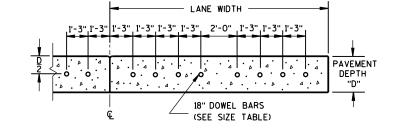
TRANSVERSE CONSTRUCTION JOINT

△ DOWEL BARS © 12" C-C 12" FROM PAVEMENT EDGE-

DOWELED CONTRACTION JOINT

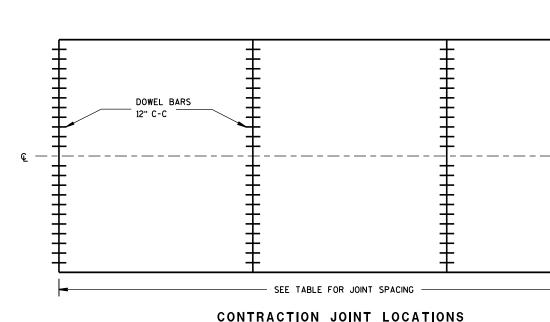
(SEE SIZE TABLE)

SEE JOINT DETAIL



(FOR 11' LANE WIDTH REDUCE CENTER SPACE TO 1'-O")

DRILLED DOWEL BAR CONSTRUCTION JOINT $^{\scriptsize \bigcirc}$



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

- ¼" MAX.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 5/3/2013

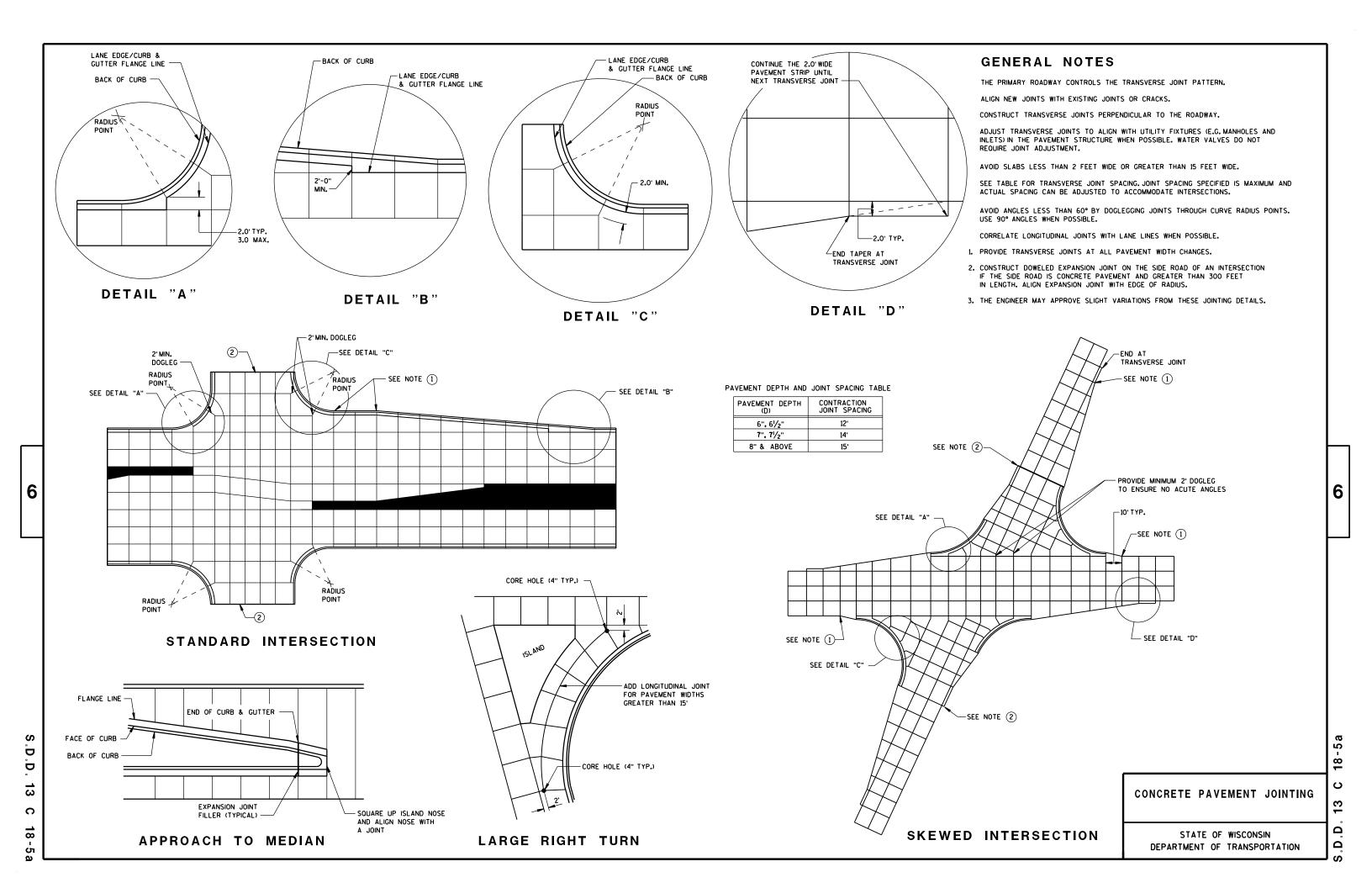
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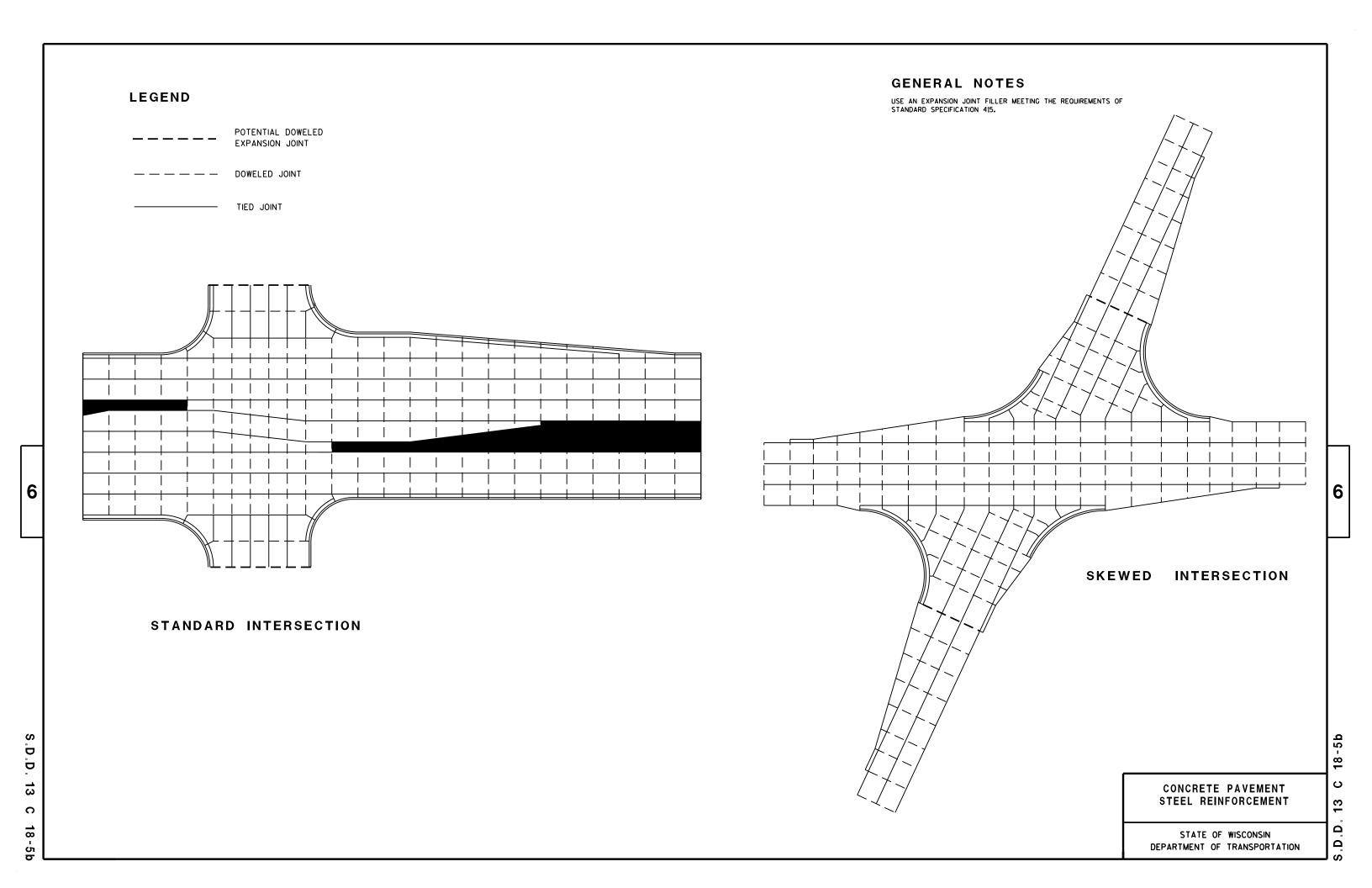
/S/ Deb Bischoff PAVEMENT POLICY & DESIGN ENGINEER

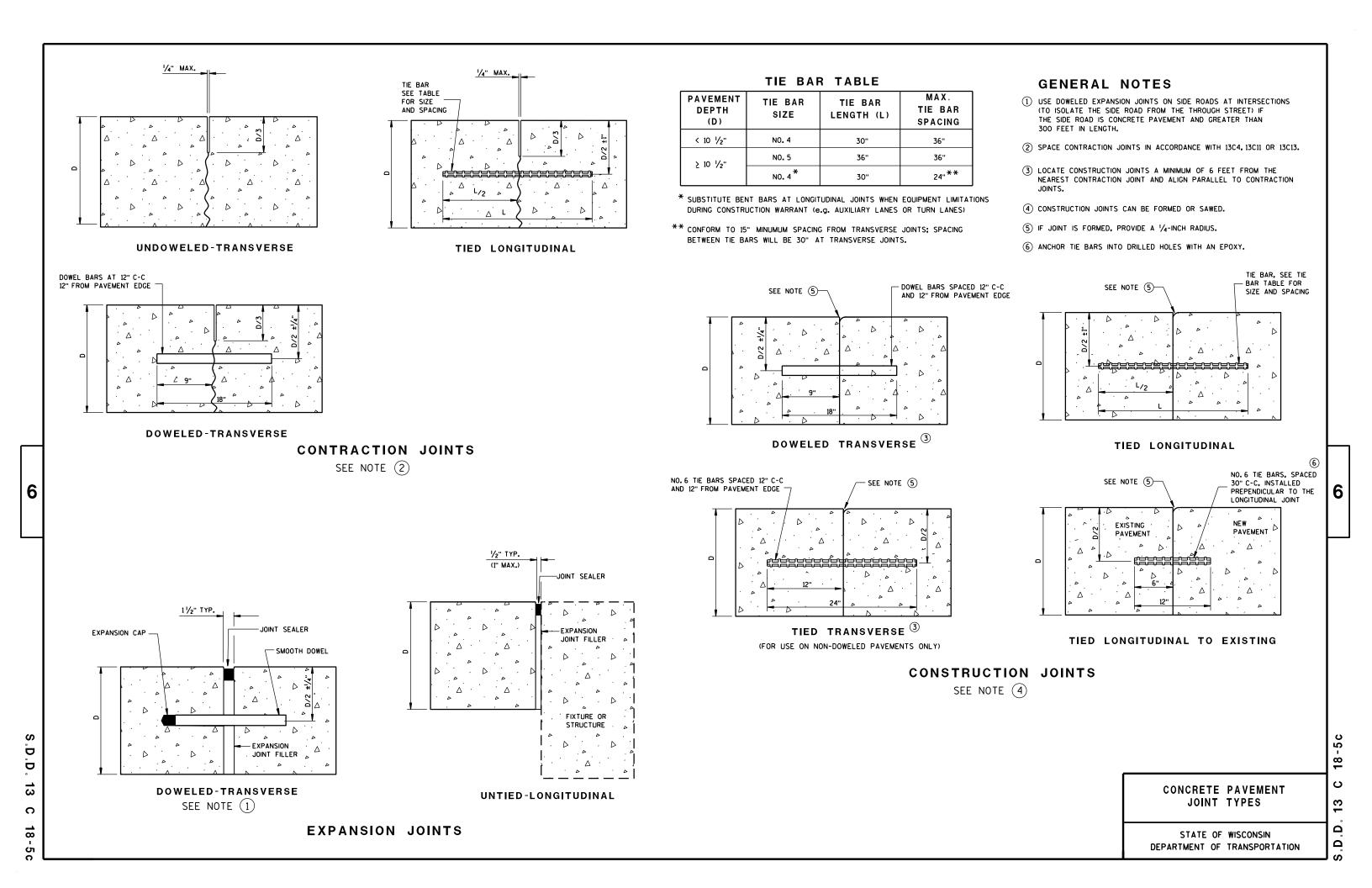
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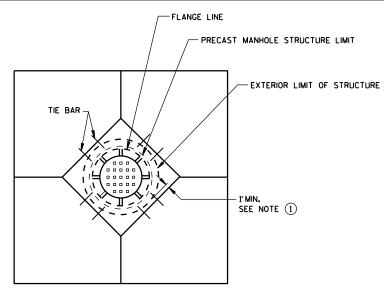
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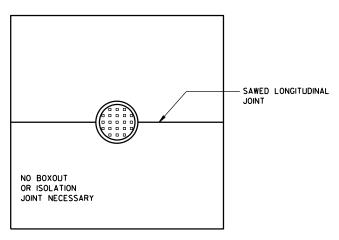




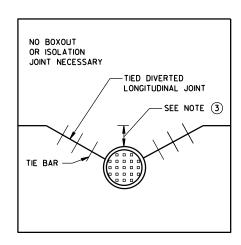




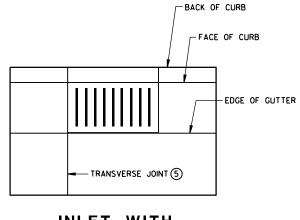
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



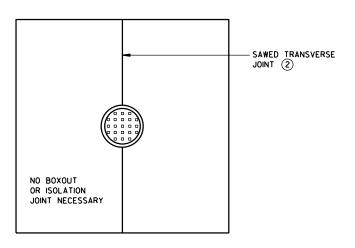
MANHOLE WITH LONGITUDINAL JOINT



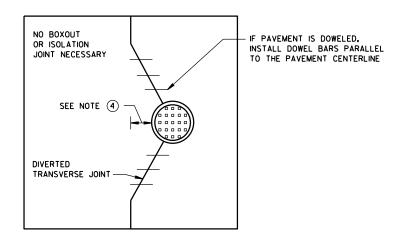
MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



INLET WITH TRANSVERSE JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

- 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 LONGITUDIAL 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 REBAR REINFORCEMENT AROUND THE MANHOLE.
- (4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 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 REBAR REINFORCEMENT AROUND THE MANHOLE.
- (5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT
JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

FHWA

December, 2016 /S/ Peter Kemp, P.E.

DATE PAVEMENT SUPERVISOR

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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

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 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.

"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, 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". (30" X 15" 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
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- 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.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

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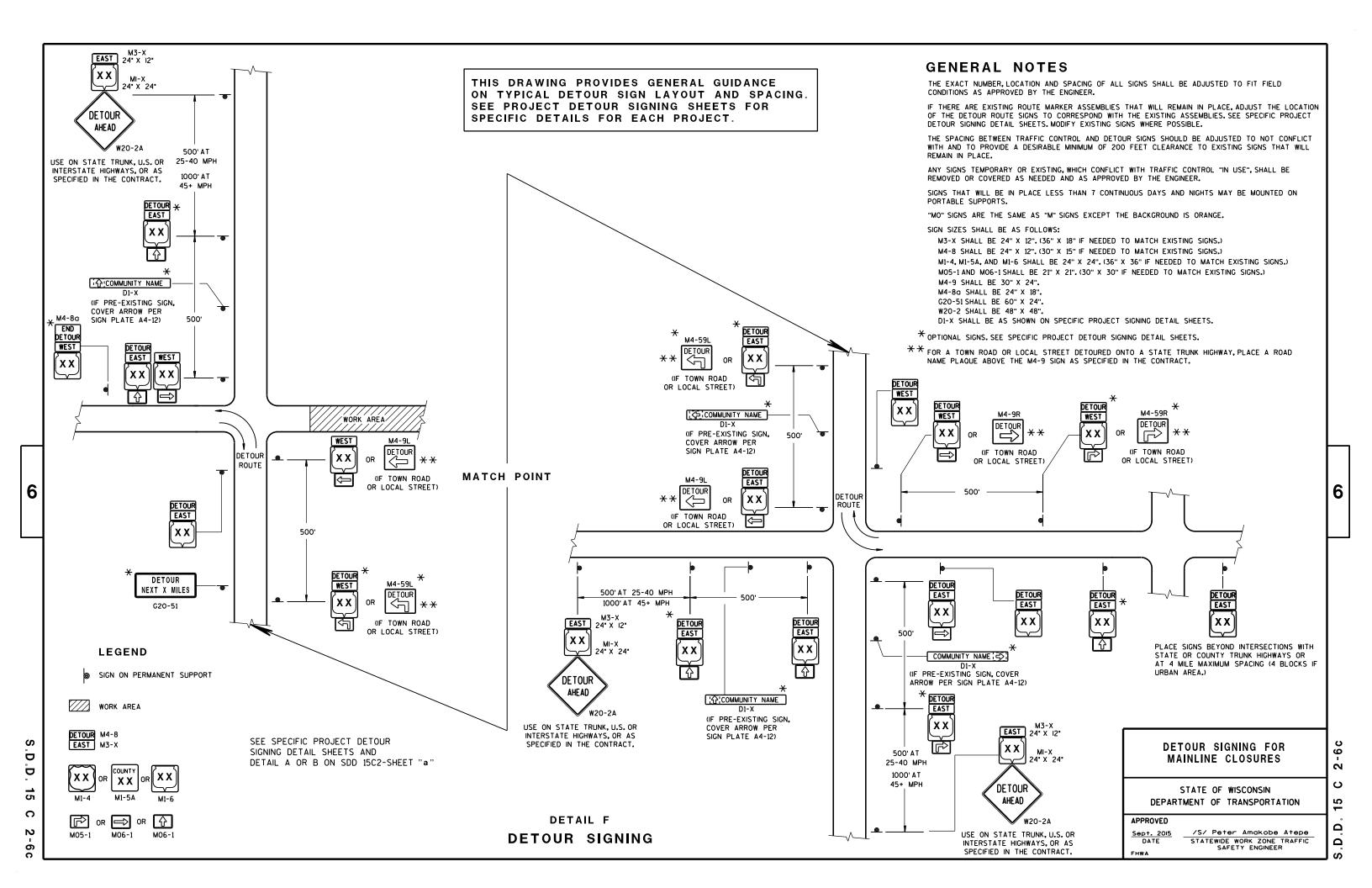
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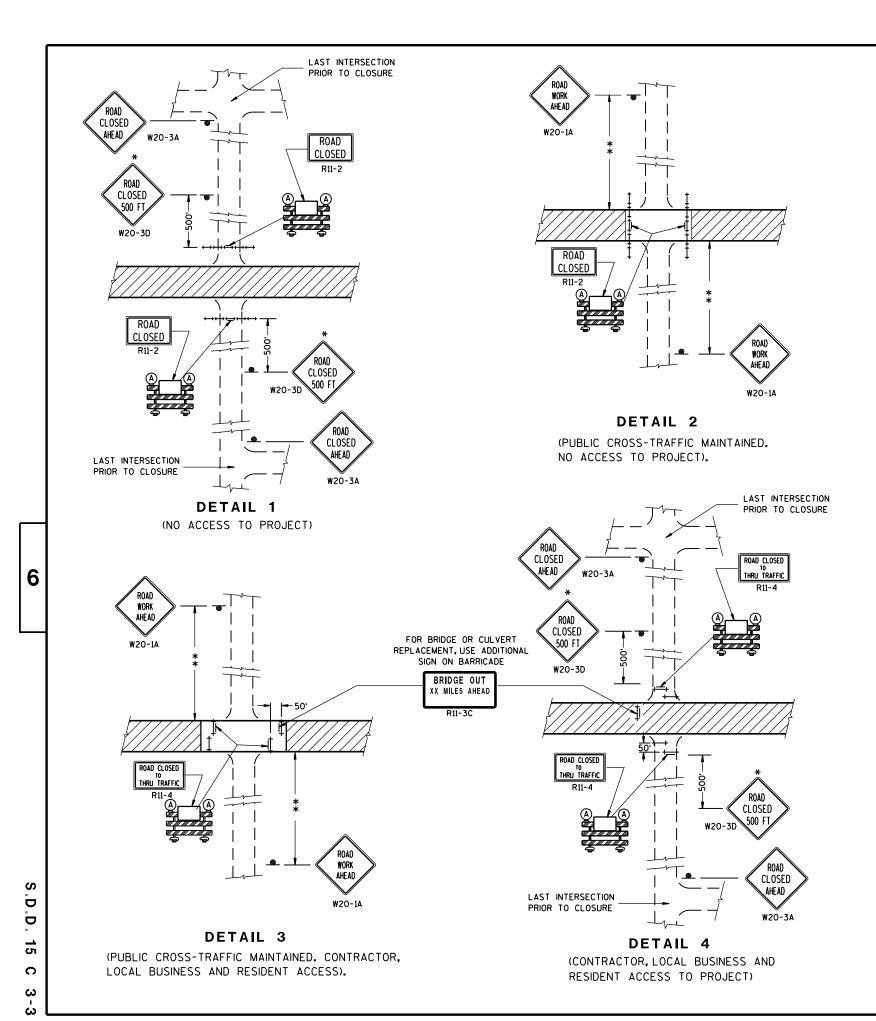
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STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Peter Amakobe Atepe

STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER





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.

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 RE-ESTABLISHED.

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 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 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH
ATTACHED SIGN

(A) TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015

DATE
STATEWIDE WORK ZONE TRAFFIC
SAFETY ENGINEER

S.D.D. 15 C 3

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

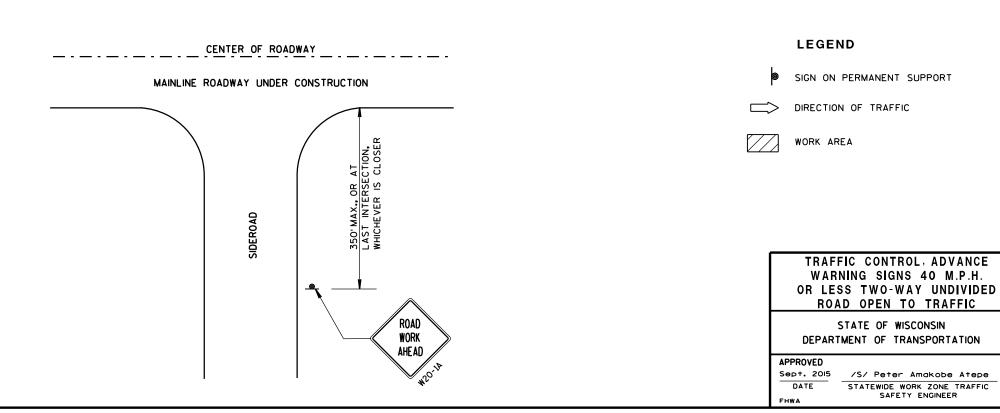
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"×36" SIGNS MAY BE USED INSTEAD OF 48"×48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 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 RE-ESTABLISHED.

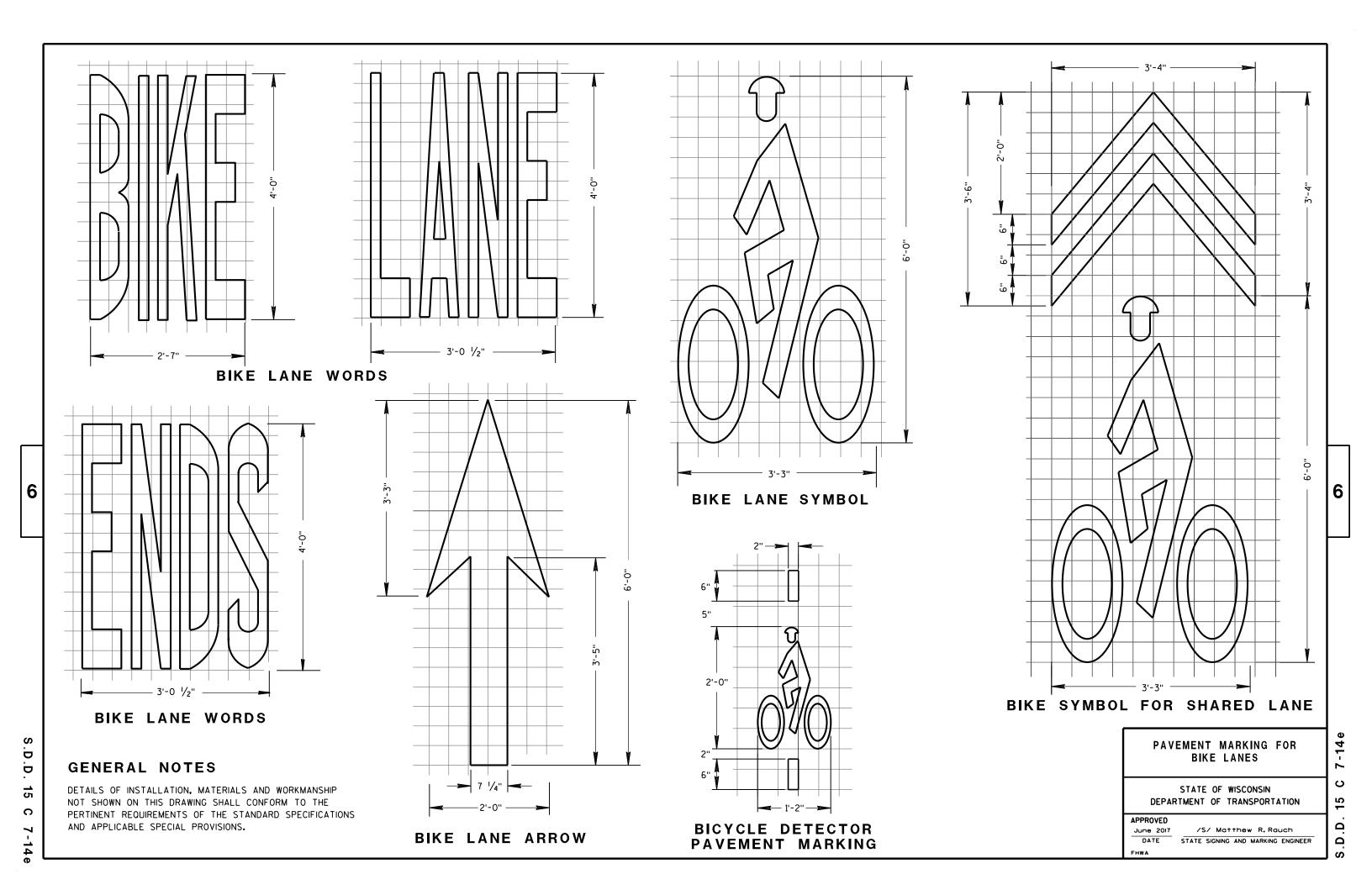
★ THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

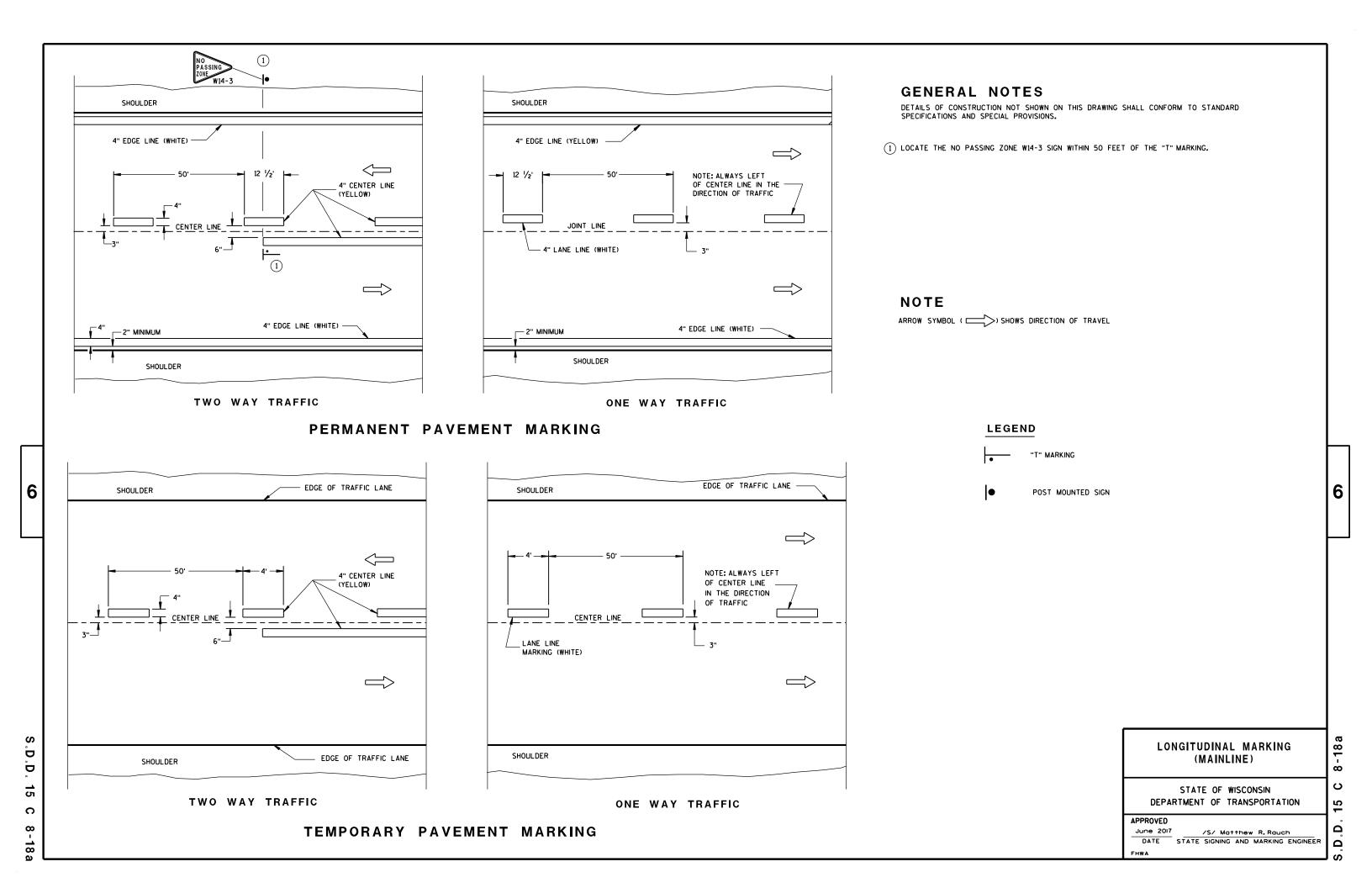


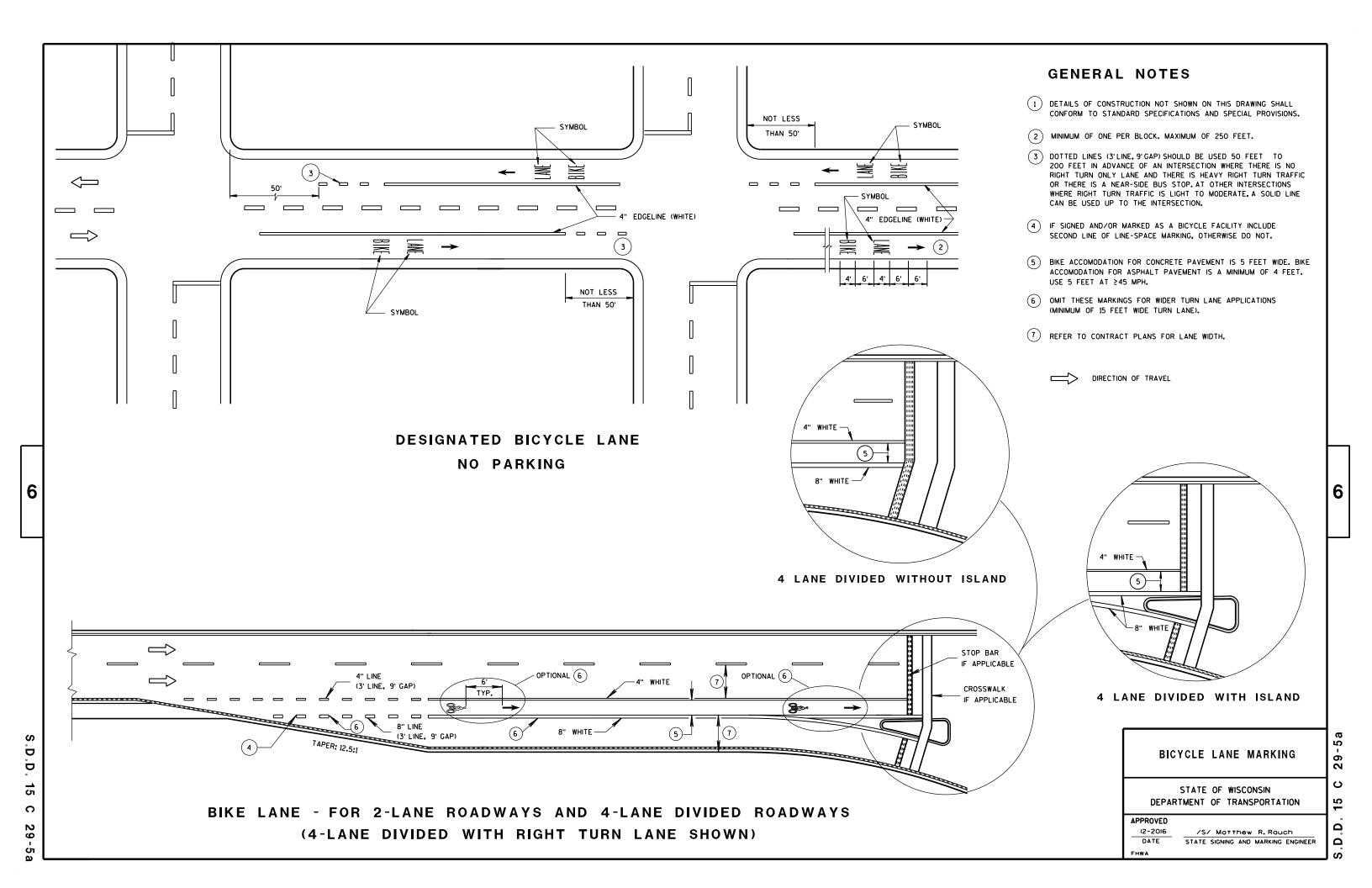
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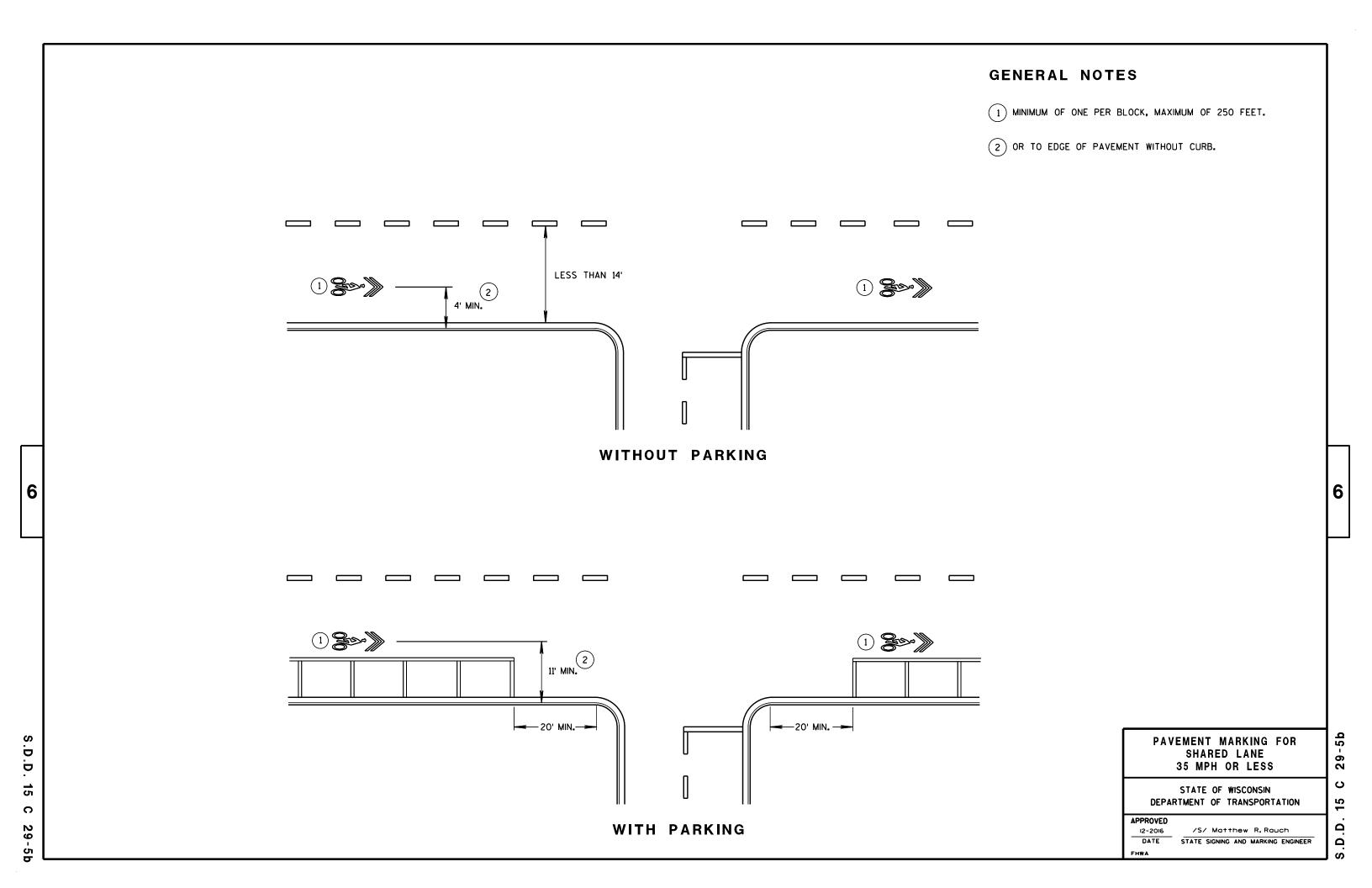
5-

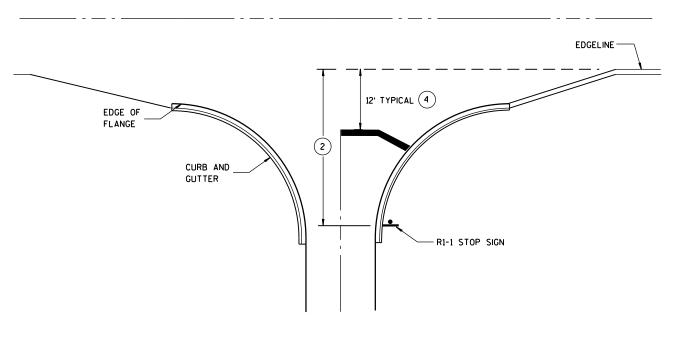
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8" CHANNELIZATION WHITE

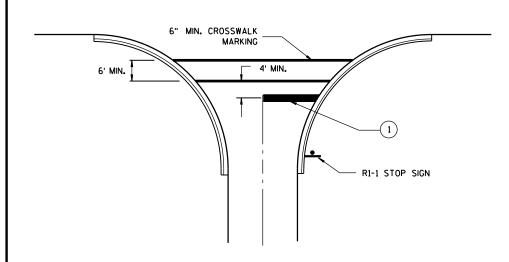
FLANGELINE (EXTENSION)

4" WHITE EDGELINE

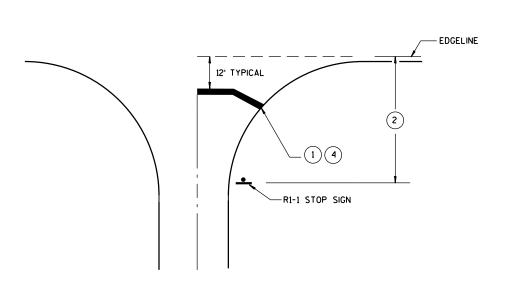
RI-1 STOP SIGN

TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

- 1 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- (2) IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
- (3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
- MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

| APPROVED | |
|-----------|------------------------------------|
| 4-18-2016 | /S/ Matthew R. Rauch |
| DATE | STATE SIGNING AND MARKING ENGINEER |

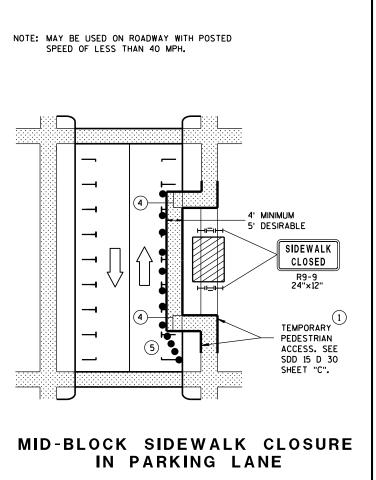
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NOTE: LAYOUT SAME AS ABOVE. 4' MINIMUM 5' DESIRABLE SIDEWALK CLOSED RQ-Q TEMPORARY PEDESTRIAN ACCESS. SEE SDD 15 D 30 SHEET "C". SIDEWALK DIVERSION

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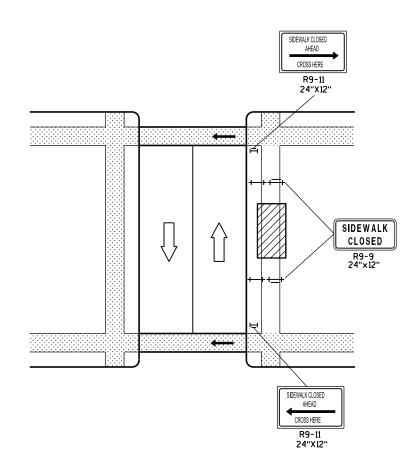
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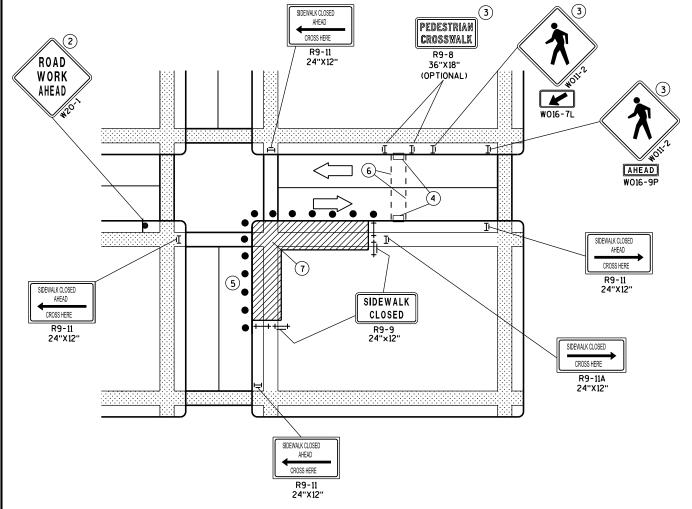
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MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

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

- 1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.
- 2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
- (3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
- (4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".
- (5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
- (6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
- (7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN

LEGEND

SIGN ON PERMANENT SUPPORT

UNDER PEDESTRIAN TRAFFIC

TRAFFIC TRAFFIC CONTOL DRUM

DIRECTION OF

WORK AREA PEDESTRIAN

CHANNELIZATION DEVICE

TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A. LOW-INTENSITY FLASHING)

TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION က 0 က Ω Ω

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PARALLEL TO CURB

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GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION. ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

- (1) CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".
- (2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
- 3 DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- (4) CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
- (5) CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
- (6) THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
- 7 DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
- (8) LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.
- (9) CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".
- (10) 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.

DEPARTMENT OF TRANSPORTATION

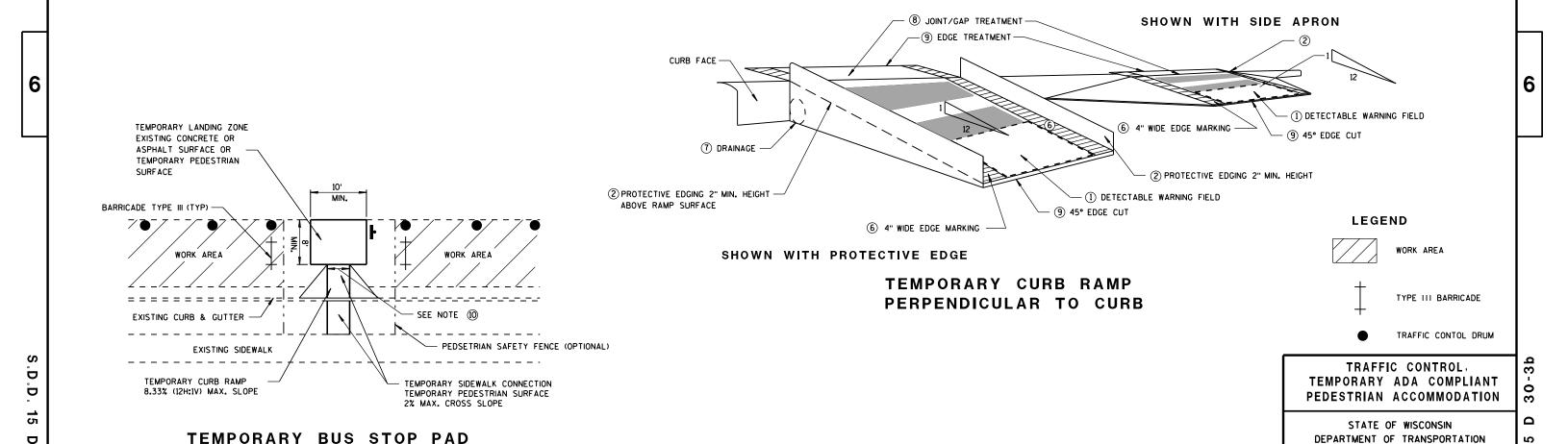
/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC

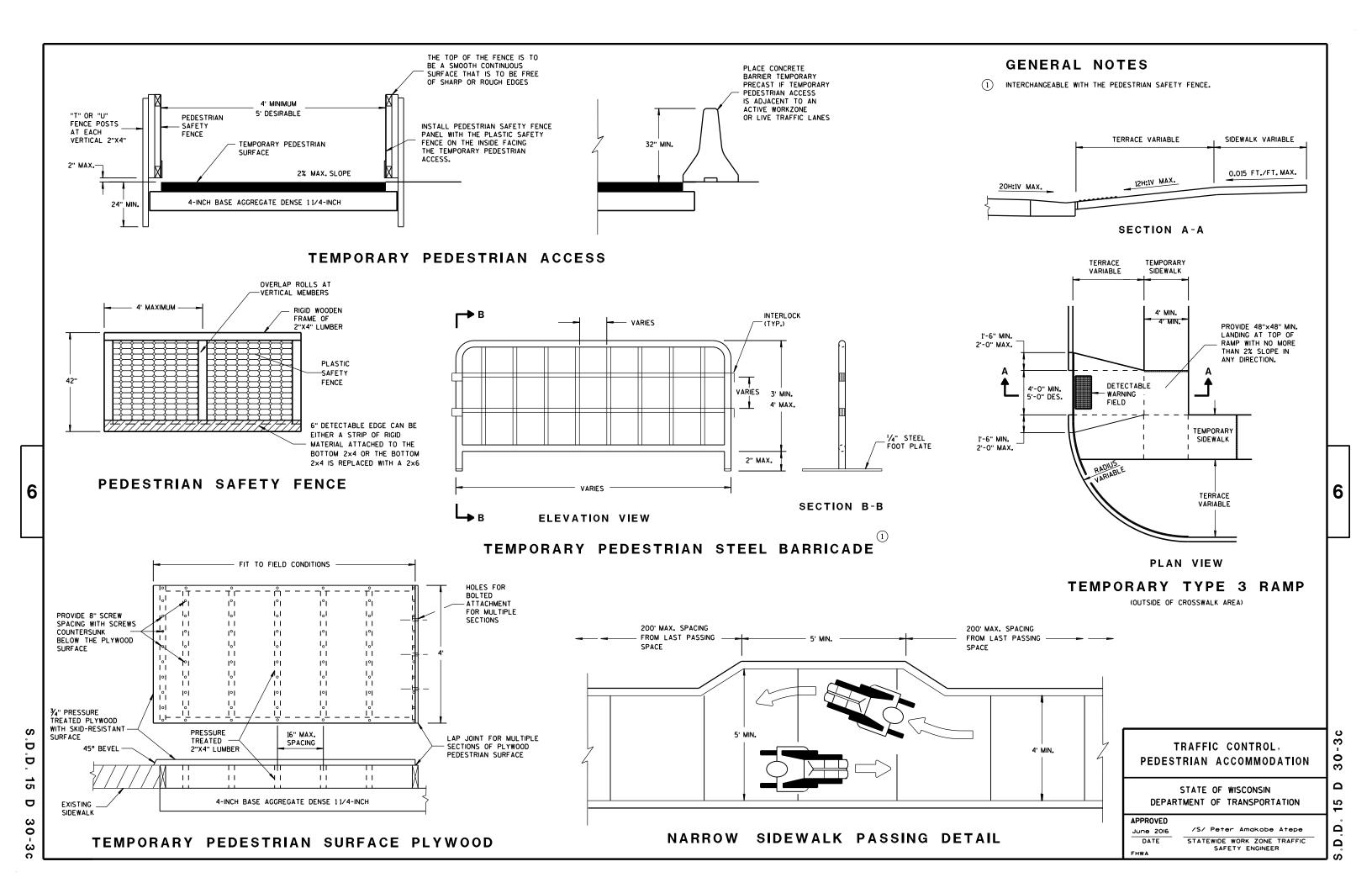
SAFETY ENGINEER

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APPROVED

June 2016







TUBULAR STEEL POSTS

| AREA OF SIGN INSTALLATION (SO. FT.) | NUMBER OF REQUIRED TUBULAR STEEL 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 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

URBAN AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH**

| AREA OF SIGN INSTALLATION (SQ. FT.) | D (MIN) |
|---|------------|
| 20 OR LESS | 4' |
| GREATER THAN 20 | 5' |

4" X 6" WOOD POST

| POST SPACING REQUIREM | MENTS | NUMBER OF | |
|--|-------|------------------------|---|
| L | E | WOOD POSTS REQUIRED | |
| 48" OR LESS AND LESS THAN 20 SO.FT. | - | 1 | |
| LESS THAN 60" | 12" | 2 | ٤ |
| 60" TO 120" | L/5 | 2 | |
| GREATER THAN 120" LESS THAN 168" | 12" | 3 | |
| 168" AND GREATER | 12" | 4 | |

SEE NOTE (3)

RURAL AREA

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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- 11/2" DIAMETER HOLES

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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.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 1/6" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 1/32 " (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 FOR ALL TYPE H SIGNS

* 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

> ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017 /S/ Andrew Heidtke DATE WORK ZONE ENGINEER FHWA

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URBAN ARFA



RURAL AREA (See Note 2)



2' Min - 4' Max (See Note 6)



5'-3"(生) A POLICE AND A POL D^{-1} Outside Edae of Gravel

White Edgeline Location

** 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.

HWY:

* 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.

PLOT BY : mscj9h

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 barrier wall, see A4-10 sign plate.
- 3. For expressways and freeways, mounting height is $7'-3''(\pm)$ or 6'-3" (±) depending upon existence of a sub-sign.
- 4. Minimum mounting height for J assemblies (A2-1S) is $7'-3''(\pm)$ or $6'-3''(\pm)$ per urban or rural detail respectively.
- 5. Minimum mounting height for signs mounted on traffic signal poles is 5' - 3'' (\pm).
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. The (+) tolerance for mounting height is 3 inches.
- 8. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.
- 9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (\pm) . 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'' (\pm).

POST EMBEDMENT DEPTH

| Area of Sign | |
|-----------------|-------|
| Installation | D |
| (Sq. Ft.) | (Min) |
| 20 or Less | 4' |
| Greater than 20 | 5' |

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

for State Traffic Engineer

DATE 7/23/15

PLATE NO. <u>A4-3.20</u>

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN

PROJECT NO:

PLOT DATE: 23-JUL-2015 15:21

COUNTY:

PLOT NAME :

PLOT SCALE: 99.237937:1.000000

WISDOT/CADDS SHEET 42



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



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

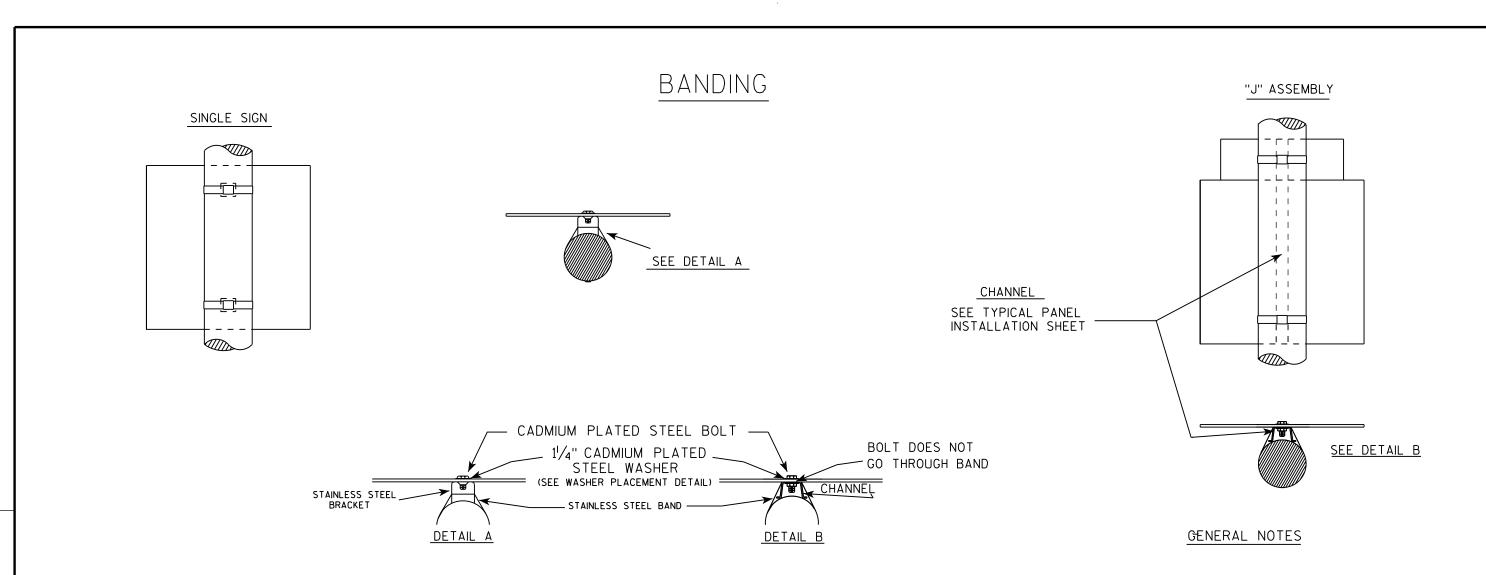
PLOT NAME :

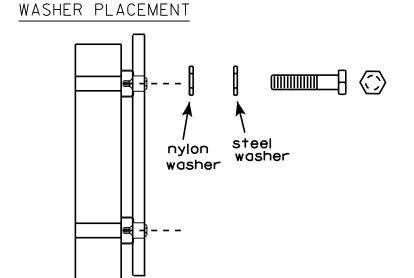
PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42





HWY:

WASHERS (ALL POSTS) -

COUNTY:

1-1/4" O.D. X3/8" I.D. X1/16" STEEL 1-1/4" O.D. X3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

PLOT BY: mscsja

- 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 $\frac{3}{4}$ " in width and 0.025" thickness.

STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 8/16/13

SHEET NO:

State Traffic Engineer

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A59.DGN

PROJECT NO:

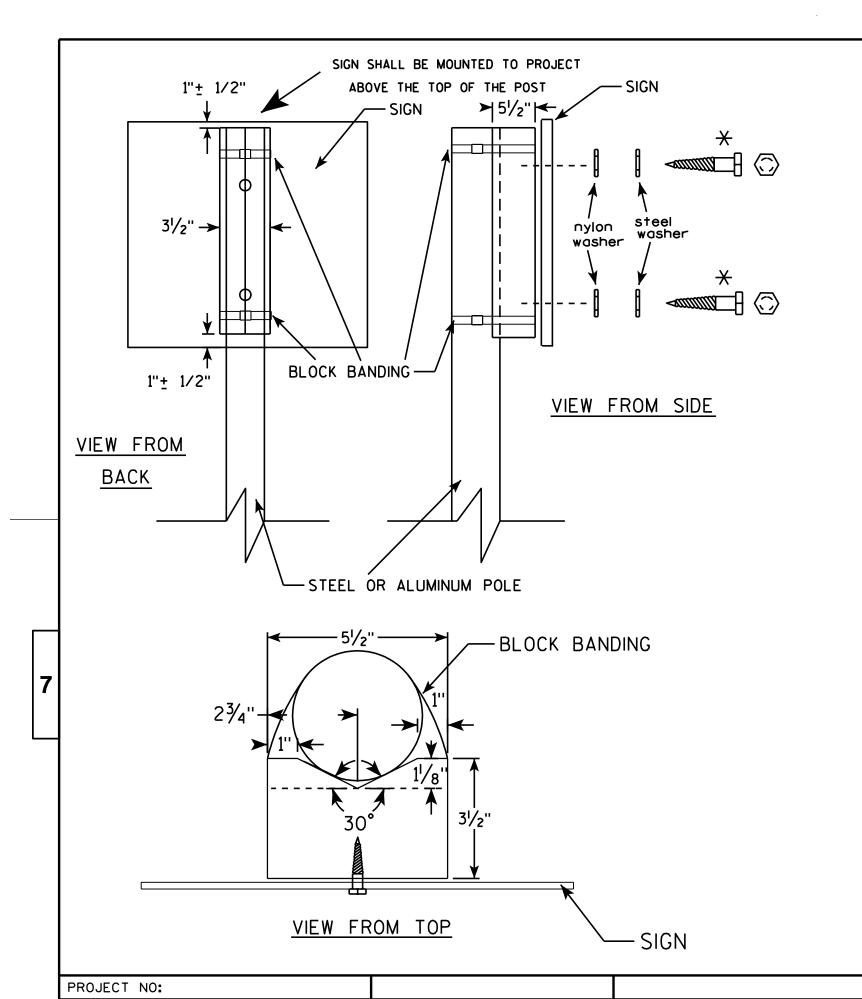
PLOT DATE: 16-AUG-2013 13:27

PLOT NAME :

PLOT SCALE: 33.740899:1.000000

WISDOT/CADDS SHEET 42

PLATE NO. A5-9.3



- 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, 3/4" 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, or
 - b. Cadmium plated in accordance with ASTM Designation: B 766 TYPE 3, Class 12, or
 - c. 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 11/4" O.D. X 3/8" I.D. X 1/16"
- 8. NYLON WASHERS SHALL BE $1^{1}/_{4}$ " O.D. X $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

X LAG BOLTS SHALL BE 3/8" X 21/2"

BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

APPROVED

For State Traffic Engineer

DATE 7/12/07

PLATE NO. A5-10.1

SHEET NO:



- 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

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|----------|---|---|---|---|---|---|---|---|----|---|---|-------|---|---|---|---------|---|---|----------|---|
| | | | | | | | | | H | | | - G - | | | | | | | F | A |
| | | E | | | | | | | -1 | | | _// | | | | | | | | * |
| D | E | F | G | н | I | J | К | L | М | N | 0 | Р | 0 | R | S | Т | U | V | W | Х |

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | T | U | ٧ | W | Х | 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 |

COUNTY:

STANDARD SIGN R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE <u>11/12/15</u>

PLATE NO. ____R1-1.13

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN

HWY:

PROJECT NO:

PLOT DATE: 22-AUG-2017 07:19

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

PLOT SCALE: 4.427909:1.000000

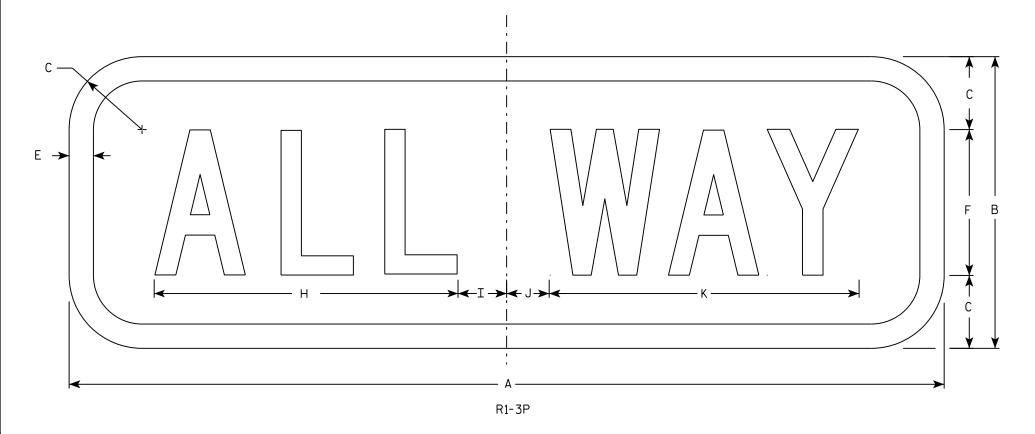
WISDOT/CADDS SHEET 42

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 | Α | В | С | D | E | F | G | Н | I | J | К | L | М | N | 0 | Р | 0 | R | S | T | U | ٧ | W | Х | Y | Z | Area sq. ft. |
|------|----|----|-------|---|-----|---|---|-------|-------|-------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | 18 | 6 | 1 1/2 | | 1/2 | 3 | | 6 1/4 | 1 1/4 | 7/8 | 6 3/8 | | | | | | | | | | | | | | | | 0.75 |
| 25 | 18 | 6 | 1 1/2 | | 1/2 | 3 | | 6 1/4 | 1 1/4 | 7/8 | 6 3/8 | | | | | | | | | | | | | | | | 1.5 |
| 2M | 24 | 9 | 1 1/2 | | 1/2 | 5 | | 9 1/4 | 1 1/4 | 3/4 | 9 3/4 | | | | | | | | | | | | | | | | 1.5 |
| 3 | 24 | 9 | 1 1/2 | | 1/2 | 5 | | 9 1/4 | 1 1/4 | 3/4 | 9 3/4 | | | | | | | | | | | | | | | | 1.5 |
| 4 | 30 | 12 | 2 1/4 | | 5/8 | 6 | | 11 | 2 1/4 | 1 1/2 | 11 3/4 | | | | | | | | | | | | | | | | 2.5 |
| 5 | 30 | 12 | 2 1/4 | | 5/8 | 6 | | 11 | 2 1/4 | 1 ½ | 11 3/4 | | | | | | | | · | | · | | | | | | 2.5 |

COUNTY:

STANDARD SIGN R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

DATE 11/29/16

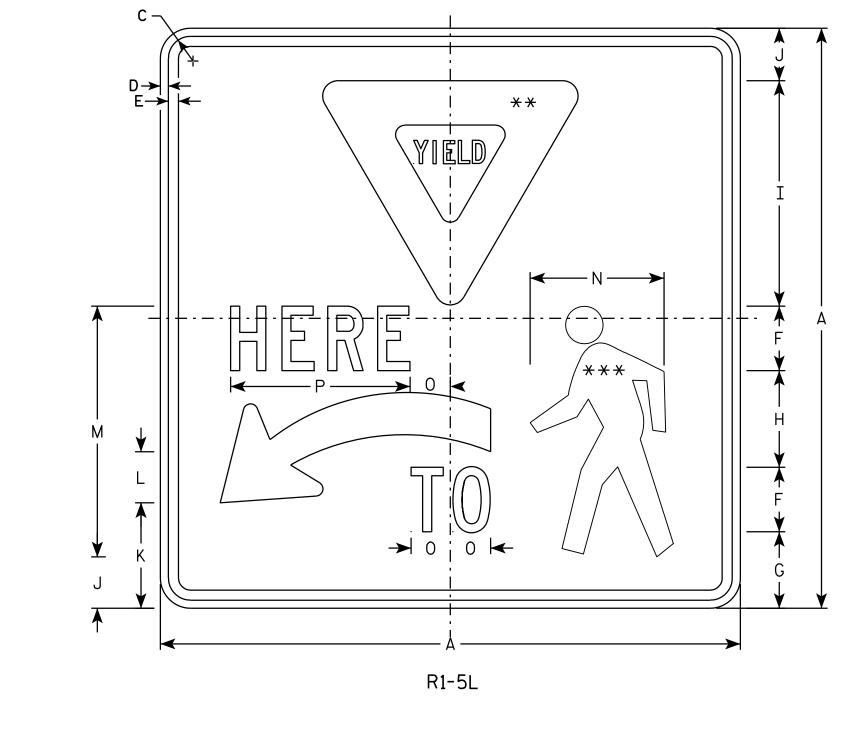
PLATE NO. R1-3P.3

SHEET NO:

HWY:

PROJECT NO:

 $f_{\it or}$ State Traffic Engineer



<u>NOTES</u>

- 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

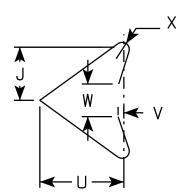
YIELD SYMBOL - RED ON WHITE

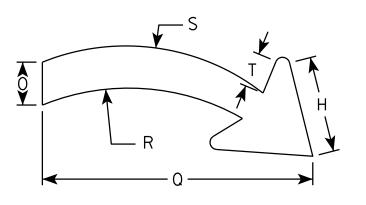
PED SYMBOL - BLACK ON WHITE

- 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.

** INSERT R1-2 AND SIZE TO FIT

*** INSERT W11-2 AND SIZE TO FIT





Arrow Detail

| SIZE | Α | В | С | D | E | F | G | Н | I | J | K | L | M | N | 0 | Р | 0 | R | S | T | U | ٧ | W | X | Y | Z | Area sq. ft. |
|------|----|---|-------|-----|-----|---|-------|---|----|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|-------|-------|-----|-------|-----|---|---|-----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2S | 18 | | 1 1/8 | 3/8 | 3/8 | 2 | 2 3/8 | 3 | 7 | 1 5/8 | 3 1/4 | 1 % | 7 3/4 | 4 1/8 | 1 1/4 | 5 % | 1 3/8 | 14 1/4 | 13 ¾ | 1 1/8 | 2 5/8 | 1/8 | 1 | 1/2 | | | 2.25 |
| 2M | 18 | | 1 1/8 | 3/8 | 3/8 | 2 | 2 % | 3 | 7 | 1 % | 3 1/4 | 1 % | 7 3/4 | 4 1/8 | 1 1/4 | 5 % | 1 3/8 | 14 1/4 | 13 ¾ | 1 1/8 | 2 % | 1/8 | 1 | 1/2 | | | 2.25 |
| 3 | 30 | | 1 3/8 | 1/2 | 5/8 | 3 | 4 | 5 | 12 | 2 3/4 | 5 ½ | 2 % | 13 | 6 % | 1 % | 8 3/8 | 14 | 23 ¾ | 23 | 1 3/4 | 4 3/8 | 1/4 | 1 3/4 | 3/4 | | | 6.25 |
| 4 | 36 | | 1 3/8 | 1/2 | 5/8 | 4 | 4 3/4 | 6 | 14 | 3 1/4 | 6 1/2 | 3 1/8 | 15 | 8 1/4 | 2 1/2 | 11 1/8 | 16 ¾ | 28 1/2 | 27 3/4 | 2 1/8 | 5 1/4 | 3/8 | 2 | 1 | | | 9.0 |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

COUNTY:

STANDARD SIGN
R1-5L
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rauch

DATE 12/03/10 PLATE NO. R1-5L.3

SHEET NO:

PLOT NAME :

PROJECT NO:

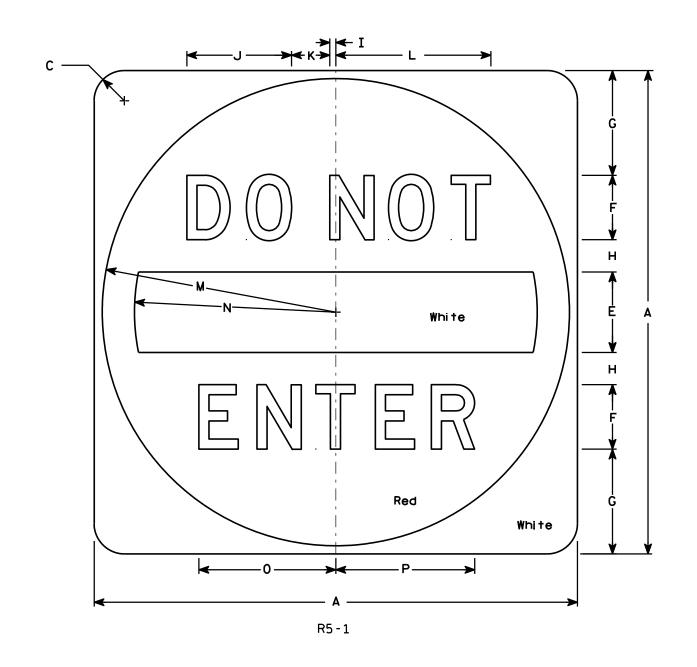
HWY:

<u>NOTES</u>

- 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 | Α | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | Т | U | V | W | Х | Y | Z | Area sq. ft. |
|------|----|---|-------|---|---|---|-------|-------|-----|-------|-------|--------|--------|--------|--------|--------|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 30 | | 1 1/8 | | 5 | 4 | 6 1/2 | 2 | 3/8 | 6 1/2 | 2 3/8 | 9 % | 14 1/2 | 12 1/2 | 8 1/2 | 8 % | | | | | | | | | | | 6.26 |
| 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 % | 10 ¾ | | | | | | | | | | | 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 % | 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 % | 10 3/4 | | | | | | | | | | | 9.0 |
| 5 | 48 | | 3 | | 8 | 6 | 11 | 3 | 5/8 | 9 3/4 | 3 % | 14 1/2 | 23 ½ | 20 | 12 3/4 | 12 1/8 | | | | | | | | | | | 16.0 |

COUNTY:

STANDARD SIGN R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE 12/17/10

10 PLATE NO. R5-1.15

Р

PLOT NAME :

HWY:

PROJECT NO:

NOTES

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

| c — | A A |
|-----------|------------|
| | G |
| | |
| M — H — H | |
| N - | |
| W1-6 | |

| SIZE | Α | В | С | D | E | F | G | Н | I | J | К | L | М | N | 0 | Р | 0 | R | S | Т | U | ٧ | W | X | Y | Z | Area sq. ft. |
|------|----|----|-------|-----|-----|---|----|--------|-------|-------|-------|-------|--------|--------|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | 36 | 18 | 1 1/8 | 3/8 | 3/8 | | 9 | 10 | 3/4 | 5 % | 4 3/4 | 2 3/8 | 14 % | 29 1/4 | | | | | | | | | | | | | 4.5 |
| 2S | 48 | 24 | 1 3/8 | 1/2 | 5/8 | | 12 | 13 1/4 | 1 | 7 1/2 | 6 1/2 | 3 1/4 | 19 1/2 | 39 | | | | | | | | | | | | | 8.0 |
| 2M | 48 | 24 | 1 3/8 | 1/2 | 5/8 | | 12 | 13 1/4 | 1 | 7 1/2 | 6 1/2 | 3 1/4 | 19 1/2 | 39 | | | | | | | | | | | | | 8.0 |
| 3 | 60 | 30 | 1 3/8 | 1/2 | 5/8 | | 15 | 16 1/4 | 1 1/4 | 9 1/4 | 8 | 4 | 24 3/8 | 48 3/4 | | | | | | | | | | | | | 12.5 |
| 4 | 60 | 30 | 1 3/8 | 1/2 | 5/8 | | 15 | 16 1/4 | 1 1/4 | 9 1/4 | 8 | 4 | 24 3/8 | 48 ¾ | | | | | | | | | | | | | 12.5 |
| 5 | 96 | 48 | 2 1/4 | 3∕4 | 1 | | 24 | 26 1/2 | 2 | 15 | 13 | 6 1/2 | 39 | 78 | | | | | | | | | | | | | 32.0 |

COUNTY:

STANDARD SIGN W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For

DATE 6/7/10 PLATE NO. W1-6.8

SHEET NO:

HWY:

PROJECT NO:

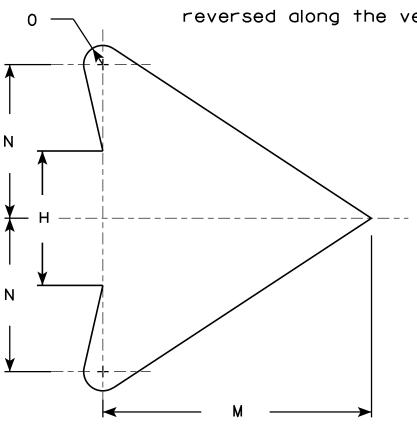
PLOT NAME :

NOTES

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. W1-10L is the same as W1-10R except the arrow is reversed along the vertical centerline.



| ARROW | DET | AIL |
|-------|-----|-----|
| | | |

| SIZE | Δ | В | С | D | E | F | G | Н | I | 7 | K | L | M | N | 0 | Р | 0 | R | S | T | U | v | W | X | Y | Z | Areo sq. ft. |
|------|----|---|-------|-----|-----|---|--------|-------|-------|-------|-------|--------|--------|---|-----|-----|--------|-------|-------|-------------|---|---|---|---|---|---|-----------------|
| 1 | 24 | | 1 1/8 | 3/8 | 1/2 | | 8 1/4 | 3 1/2 | 4 1/2 | 1 3/4 | 2 3/8 | 7 1/4 | 7 | 4 | 1/2 | 2 % | 6 % | 2 1/8 | 4 1/2 | 45° | | | | | | | 4.0 |
| 25 | 30 | | 1 3/8 | 1/2 | 5/8 | | 10 1/4 | 4 3/8 | 5 % | 2 1/4 | 3 | 9 1/8 | 8 ¾ | 5 | 5/8 | 3 % | 8 | 2 % | 5 ¾ | 45° | | | | | | | 6.25 |
| 2M | 36 | | 1 % | 5/8 | 3/4 | | 12 3/8 | 5 1/4 | 6 ¾ | 2 % | 3 1/2 | 10 1/8 | 10 1/2 | 6 | 3/4 | 4 | 10 | 3 1/4 | 6 % | 45° | | | | | | | 9.0 |
| 3 | 36 | | 1 % | 5/8 | 3/4 | | 12 3/8 | 5 1/4 | 6 ¾ | 2 % | 3 1/2 | 10 1/8 | 10 1/2 | 6 | 3/4 | 4 | 10 | 3 1/4 | 6 % | 45 ° | | | | | | | 9.0 |
| 4 | 36 | | 1 % | 5/8 | 3/4 | | 12 3/8 | 5 1/4 | 6 ¾ | 2 % | 3 1/2 | 10 1/8 | 10 1/2 | 6 | 3/4 | 4 | 10 | 3 1/4 | 6 % | 45° | | | | | | | 9.0 |
| 5 | 48 | | 2 1/4 | ₹4 | 1 | | 16 1/2 | 7 | 9 | 3 1/2 | 4 % | 14 1/2 | 14 | 8 | 1 | 5 | 13 1/4 | 4 1/4 | 9 1/8 | 45° | | | | | | | 16.0 |

COUNTY:

W1 - 10

STANDARD SIGN

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer DATE <u>5/17/12</u> PLATE NO. W1-10.3

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W110.DGN

PROJECT NO:

.|← H →|← P→

HWY:

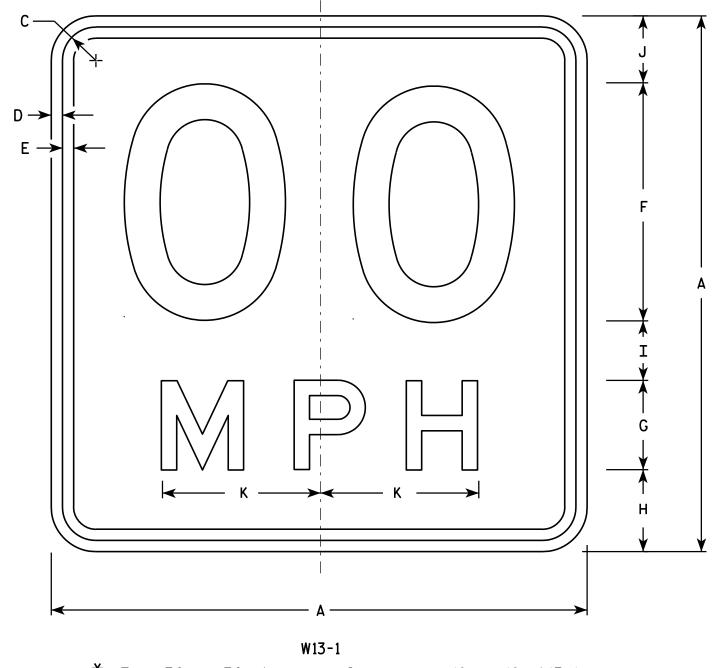
W1-10R

PLOT DATE: 17-MAY-2012 10:14

PLOT BY: mscsja

PLOT SCALE: 6.251989:1.000000

WISDOT/CADDS SHEET 42



<u>NOTES</u>

- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Yellow Message - Black

- 3. Message Series See Note 6
- 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
- 6. Line 1 is Series D Line 2 is Series E

* For 30" \times 30" Warning Signs, use 18" \times 18" W13-1 signs. For 36" \times 36" Warning Signs, use 24" \times 24" W13-1 signs.

| SIZE | A | В | С | D | E | F | G | Н | I | J | K | L | М | N | 0 | Р | 0 | R | S | T | U | ٧ | W | X | Y | Z | Area sq. ft. |
|-------------|----|---|-------|-----|-----|----|---|-------|-------|-------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1 | 18 | | 1 1/8 | 3∕8 | 3/8 | 8 | 3 | 2 3/4 | 2 | 2 1/4 | 5 3/8 | | | | | | | | | | | | | | | | 2.25 |
| * 2S | 18 | | 1 1/8 | 3∕8 | 3/8 | 8 | 3 | 2 3/4 | 2 | 2 1/4 | 5 % | | | | | | | | | | | | | | | | 2.25 |
| * 2M | 18 | | 1 1/8 | 3/8 | 3/8 | 8 | 3 | 2 3/4 | 2 | 2 1/4 | 5 3/8 | | | | | | | | | | | | | | | | 2.25 |
| 3 | 24 | | 1 1/8 | 3/8 | 1/2 | 10 | 4 | 4 | 2 3/4 | 3 1/4 | 6 5/8 | | | | | | | | | | | | | | | | 4.00 |
| 4 | 36 | | 1 1/8 | 5/8 | 3/4 | 16 | 6 | 5 1/2 | 4 | 4 1/2 | 10 % | | | | | | | | | | | | | | | | 9.00 |
| 5 | 36 | | 1 5/8 | 5/8 | 3/4 | 16 | 6 | 5 1/2 | 4 | 4 1/2 | 10 % | | | | | | | | | | | | | | | | 9.00 |

STANDARD SIGN W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R

for State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

SHEET NO:

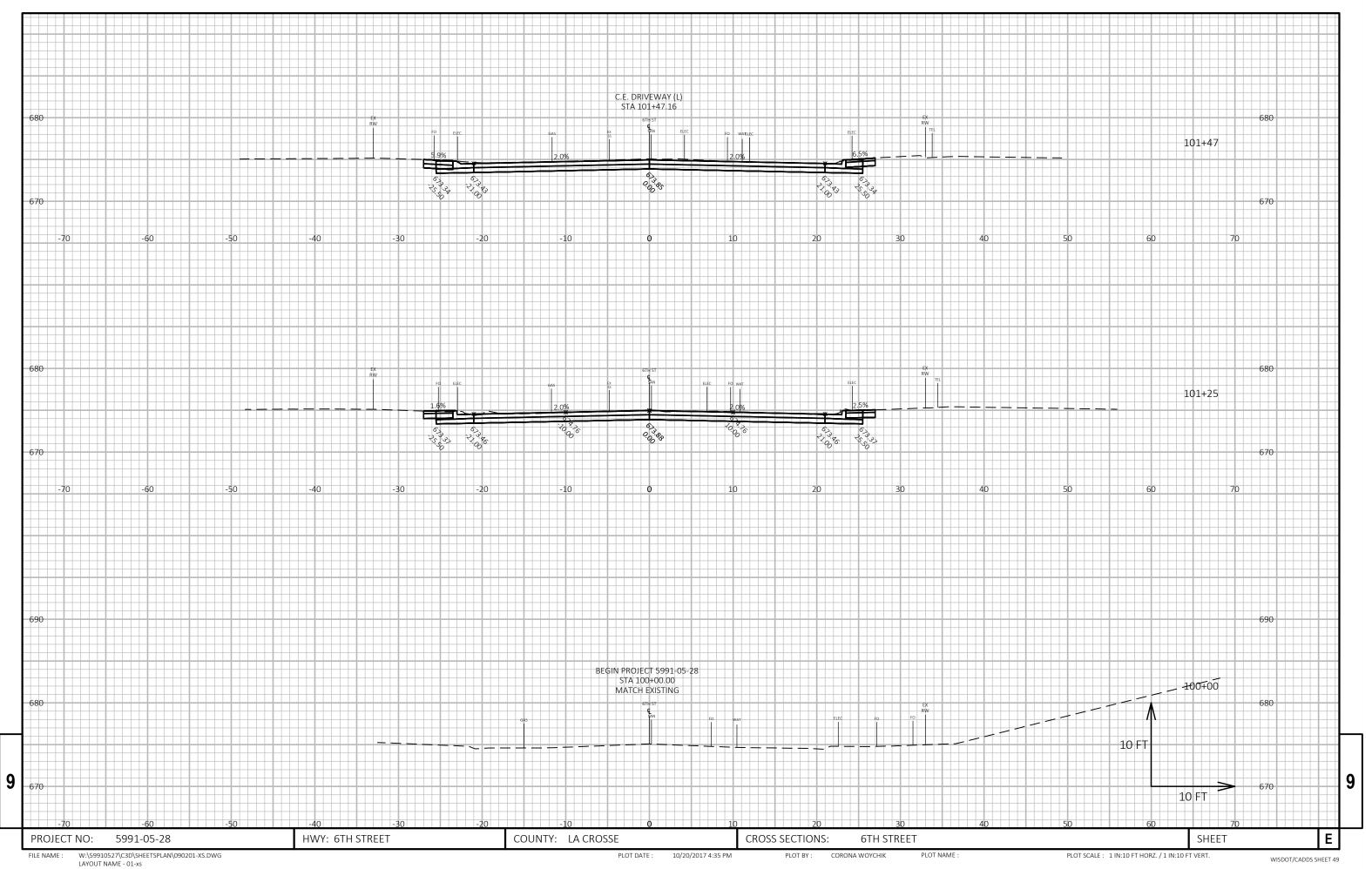
PLOT NAME :

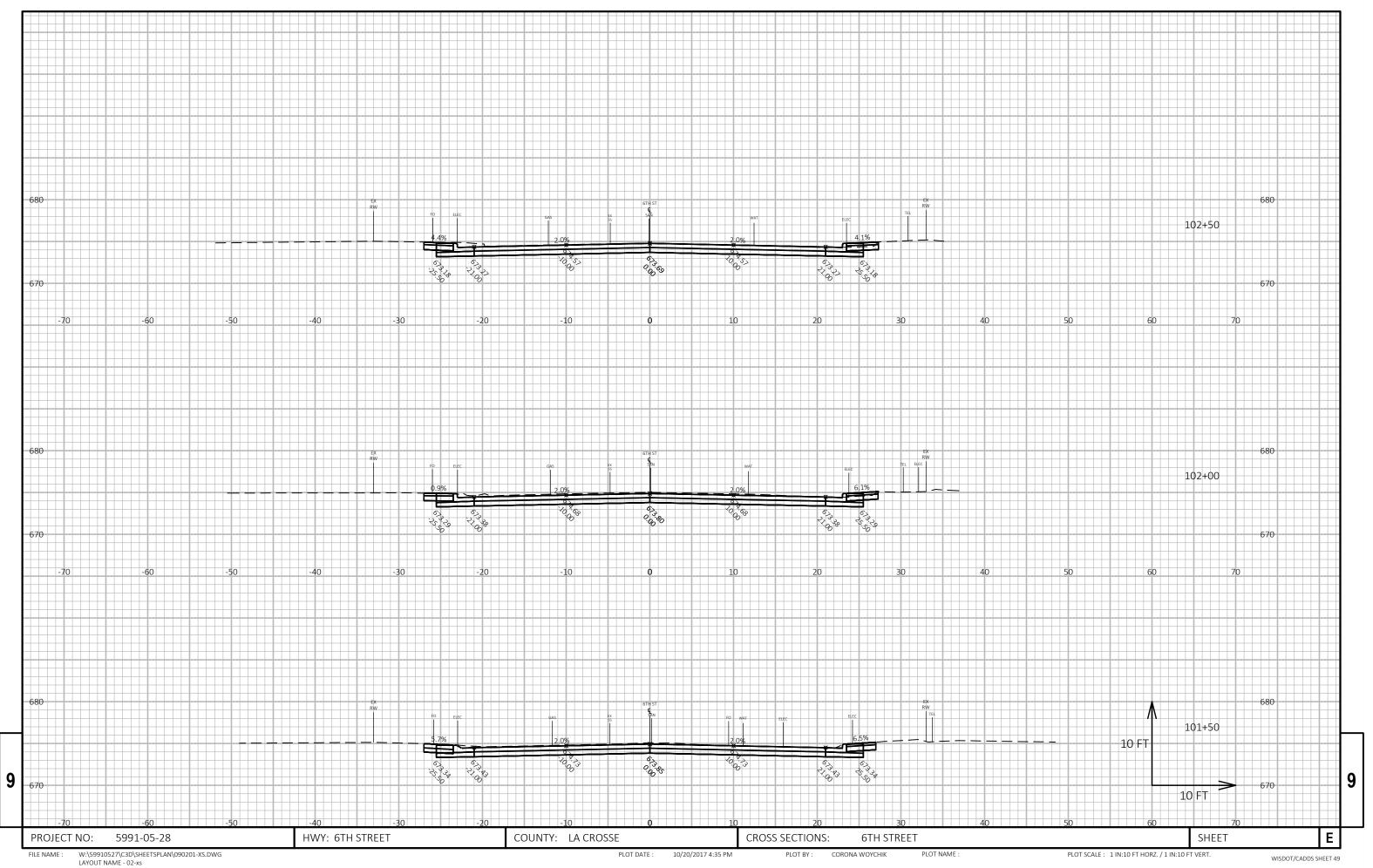
| | | AREA (SF) | | INCREMENTAL VOL (CY) | | CUMULATIVE VOL (CY) | | |
|-----------|----------|-----------|---------|----------------------|--------|---------------------|---------------|---------------|
| STATION | DISTANCE | CUT | FILL | CUT | FILL | CUT | | MASS ORDINATE |
| 317112011 | DISTANCE | COT | 1 1 1 1 | | | 1.00 | EXPANDED FILL | |
| | | | | NOTE 1 | NOTE 2 | NOTE 1 | 1.3 | NOTE 3 |
| 100+00 | | 47.64 | 0.42 | 0 | 0.0 | 0 | 0.0 | 0 |
| 100+50 | 50.00 | 47.62 | 0.04 | 88 | 0.6 | 88 | 0.7 | 88 |
| 101+00 | 50.00 | 50.91 | 0.00 | 91 | 0.1 | 179 | 0.8 | 179 |
| 101+50 | 50.00 | 60.09 | 0.00 | 103 | 0.0 | 282 | 0.8 | 282 |
| 102+00 | 50.00 | 60.93 | 0.00 | 112 | 0.0 | 394 | 0.8 | 394 |
| 102+50 | 50.00 | 56.73 | 0.00 | 109 | 0.0 | 503 | 0.8 | 503 |
| 103+00 | 50.00 | 62.38 | 0.00 | 110 | 0.0 | 613 | 0.8 | 613 |
| 103+50 | 50.00 | 66.75 | 0.00 | 120 | 0.0 | 733 | 0.8 | 732 |
| 104+00 | 50.00 | 61.90 | 0.00 | 119 | 0.0 | 852 | 0.8 | 852 |
| 104+50 | 50.00 | 56.88 | 0.00 | 110 | 0.0 | 962 | 0.8 | 962 |
| 105+00 | 50.00 | 78.88 | 0.00 | 126 | 0.0 | 1088 | 0.8 | 1087 |
| 105+50 | 50.00 | 54.59 | 0.01 | 124 | 0.0 | 1211 | 0.8 | 1211 |
| 106+00 | 50.00 | 54.51 | 0.00 | 101 | 0.0 | 1312 | 0.8 | 1312 |
| 106+50 | 50.00 | 57.40 | 0.00 | 104 | 0.0 | 1416 | 0.8 | 1415 |
| 107+00 | 50.00 | 71.28 | 0.00 | 119 | 0.0 | 1535 | 0.8 | 1535 |
| 107+50 | 50.00 | 61.67 | 0.00 | 123 | 0.0 | 1658 | 0.8 | 1658 |
| 108+00 | 50.00 | 62.96 | 0.00 | 115 | 0.0 | 1774 | 0.8 | 1773 |
| 108+50 | 50.00 | 61.64 | 0.00 | 115 | 0.0 | 1889 | 0.8 | 1888 |
| 109+00 | 50.00 | 33.96 | 0.00 | 89 | 0.0 | 1978 | 0.8 | 1977 |
| 109+50 | 50.00 | 28.70 | 0.00 | 58 | 0.0 | 2036 | 0.8 | 2035 |
| 110+00 | 50.00 | 54.69 | 0.00 | 77 | 0.0 | 2113 | 0.8 | 2112 |
| 110+50 | 50.00 | 63.09 | 0.00 | 109 | 0.0 | 2222 | 0.8 | 2222 |
| 111+00 | 50.00 | 62.19 | 0.00 | 116 | 0.0 | 2339 | 0.8 | 2338 |
| 111+50 | 50.00 | 57.87 | 0.00 | 111 | 0.0 | 2449 | 0.8 | 2449 |
| 112+00 | 50.00 | 57.84 | 0.00 | 107 | 0.0 | 2557 | 0.8 | 2556 |
| 112+50 | 50.00 | 59.93 | 0.02 | 109 | 0.0 | 2666 | 0.9 | 2665 |
| 113+00 | 50.00 | 57.21 | 0.14 | 108 | 0.2 | 2774 | 1.1 | 2773 |
| 113+50 | 50.00 | 42.37 | 0.00 | 92 | 0.2 | 2866 | 1.3 | 2865 |
| 114+00 | 50.00 | 27.85 | 0.00 | 64 | 0.0 | 2930 | 1.3 | 2929 |
| 114+50 | 50.00 | 0.00 | 0.00 | 26 | 0.0 | 2956 | 1.3 | 2955 |
| | 30.00 | | 0.00 | 2956 | 1.0 | | | |
| | | | | | 2.0 | I | | |

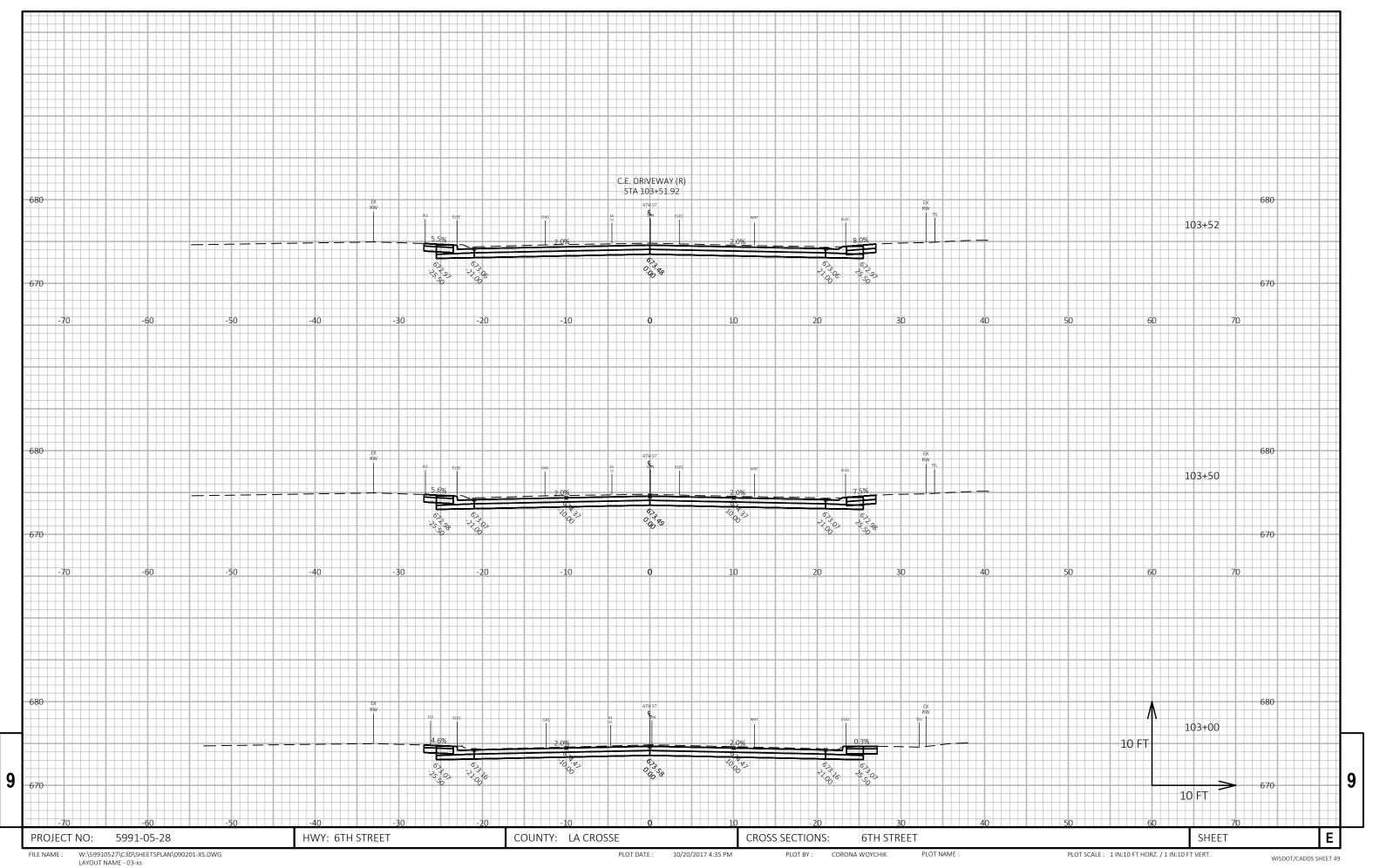
| NOTE 1 - CUT | CUT INCLUDES EXISTING PAVEMENT. ASSUMED TO BE REUSED AS FILL OUSIDE THE 1:1 ROAD CORE. |
|------------------------|--|
| NOTE 2 - FILL | VOLUME NEEDED TO BE FILLED. |
| NOTE 3 - MASS ORDINATE | (CUT) - (FILL*1.30) |

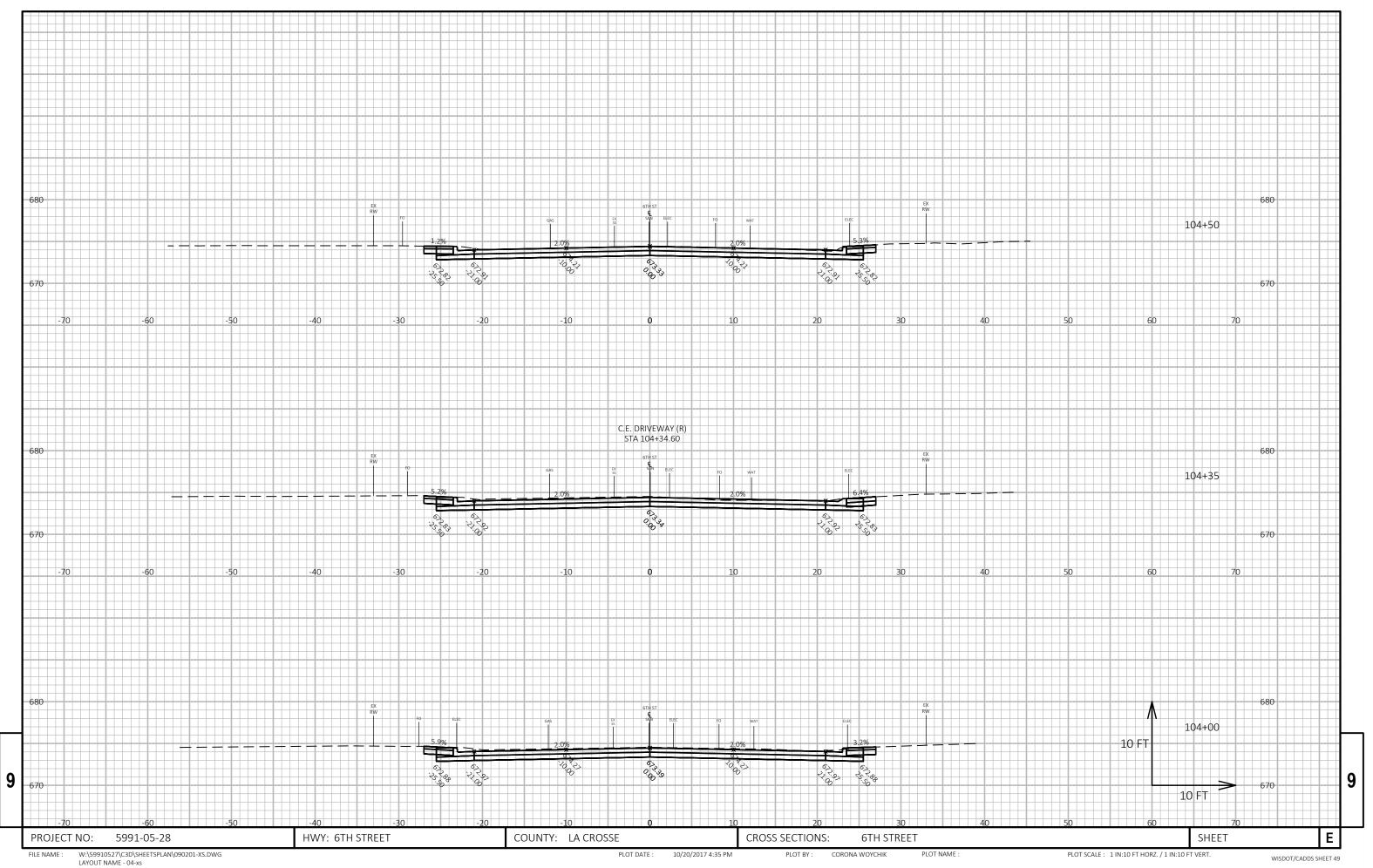
E HWY: 6TH STREET COUNTY: LA CROSSE PROJECT NO: 5991-05-28 EARTHWORK SHEET PLOT BY: CORONA WOYCHIK

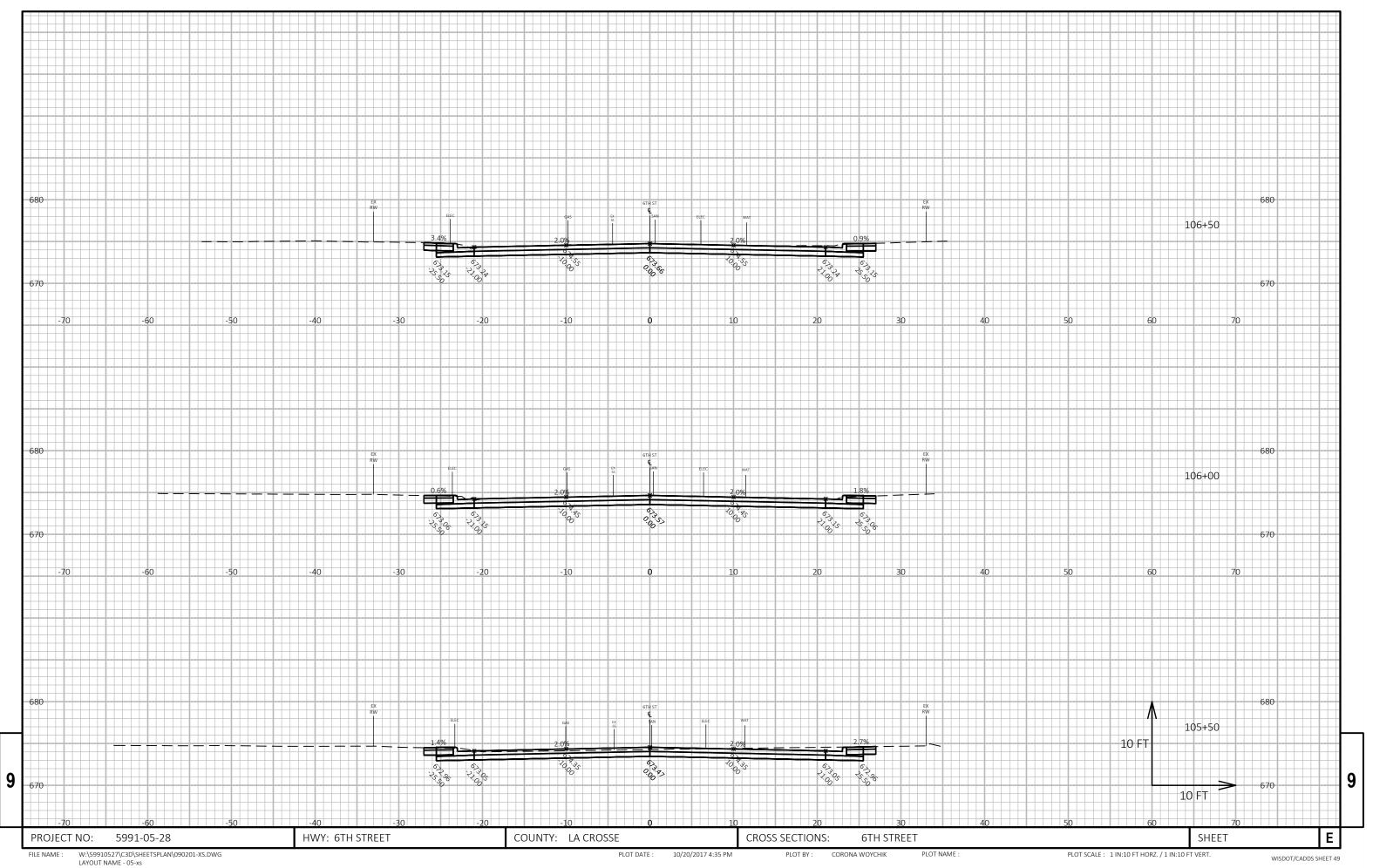
FILE NAME : W:\59910527\C3D\SHEETSPLAN\090101-EW.DWG LAYOUT NAME - 01-ew PLOT DATE : 10/20/2017 4:34 PM 9

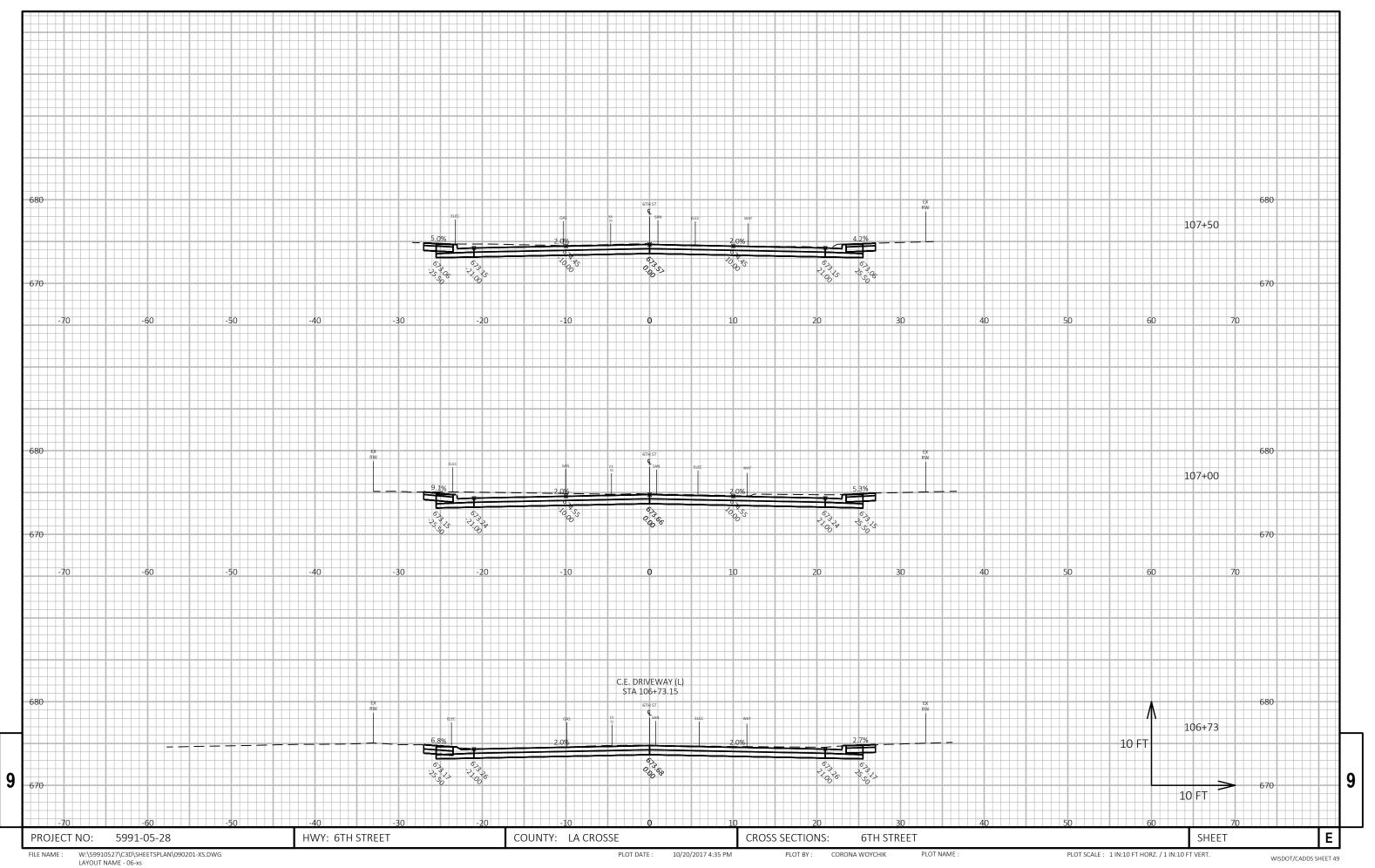


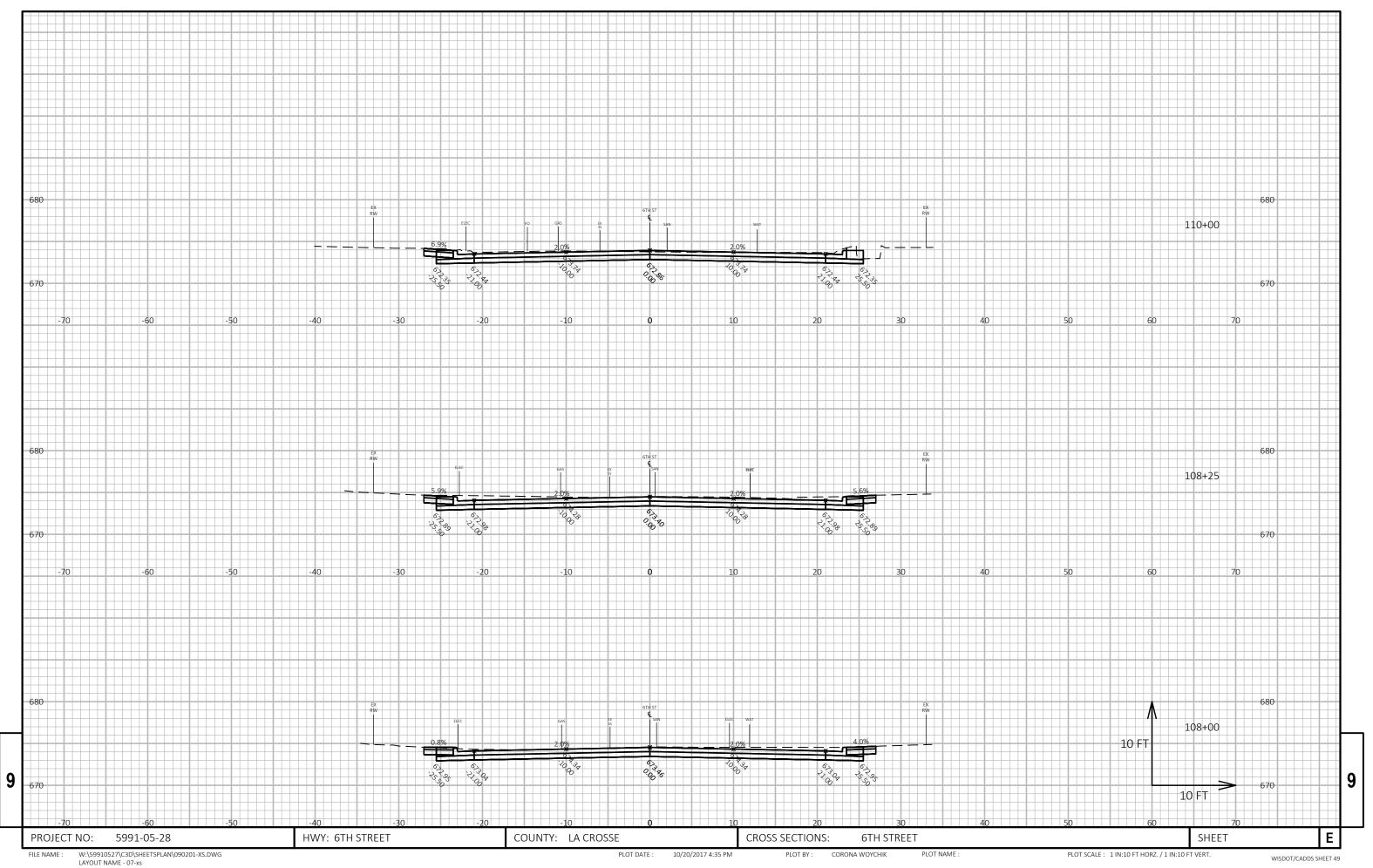


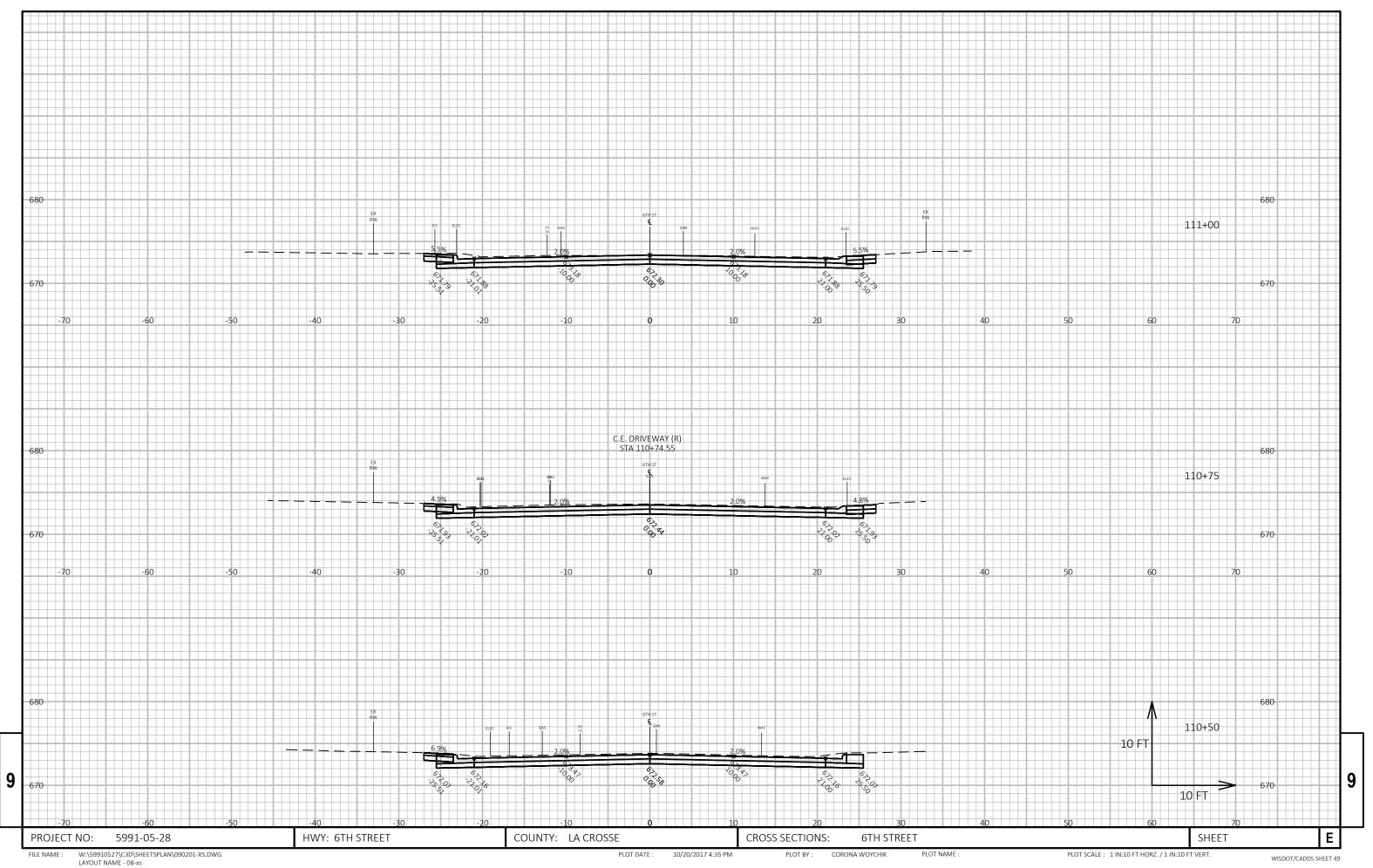


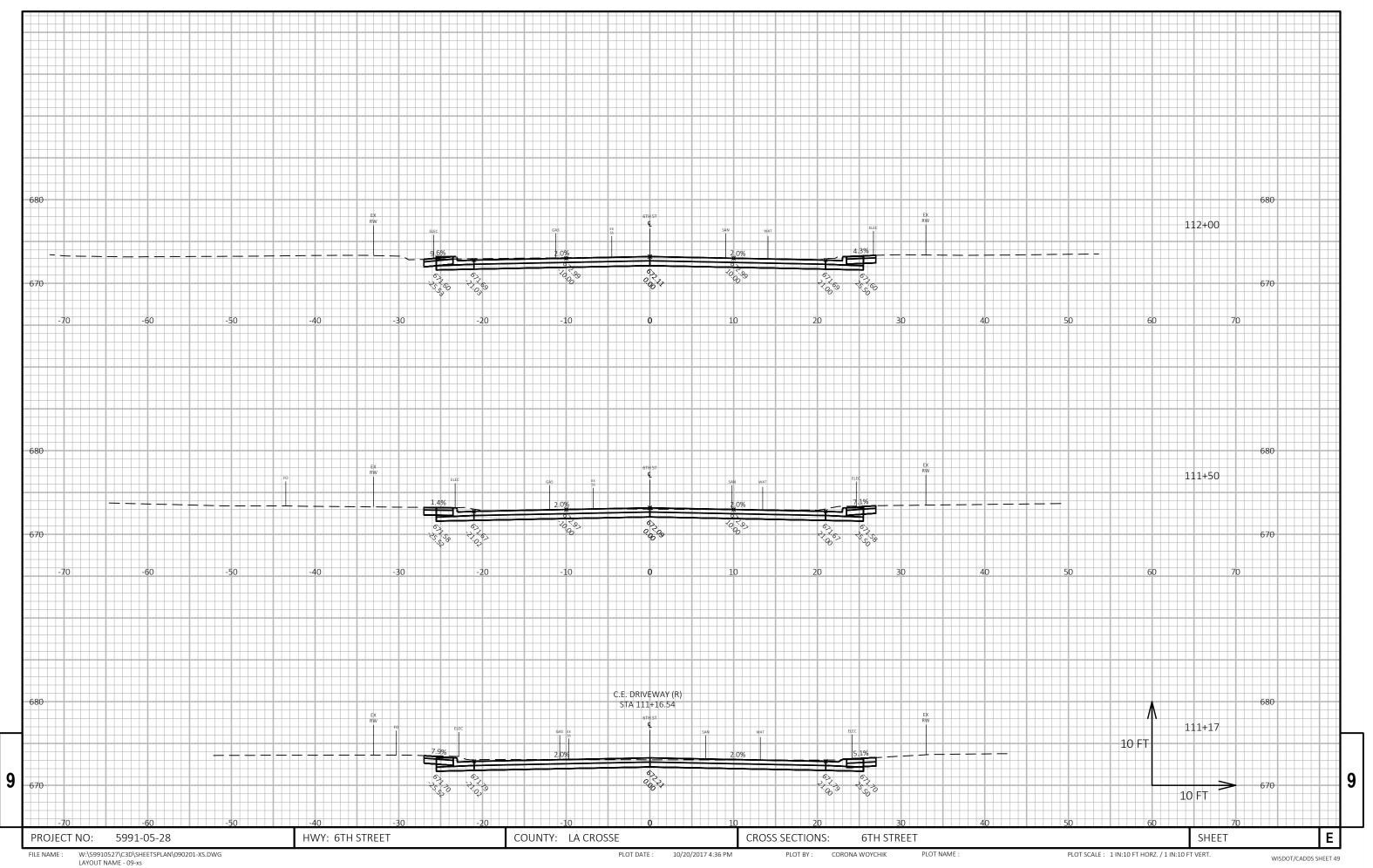


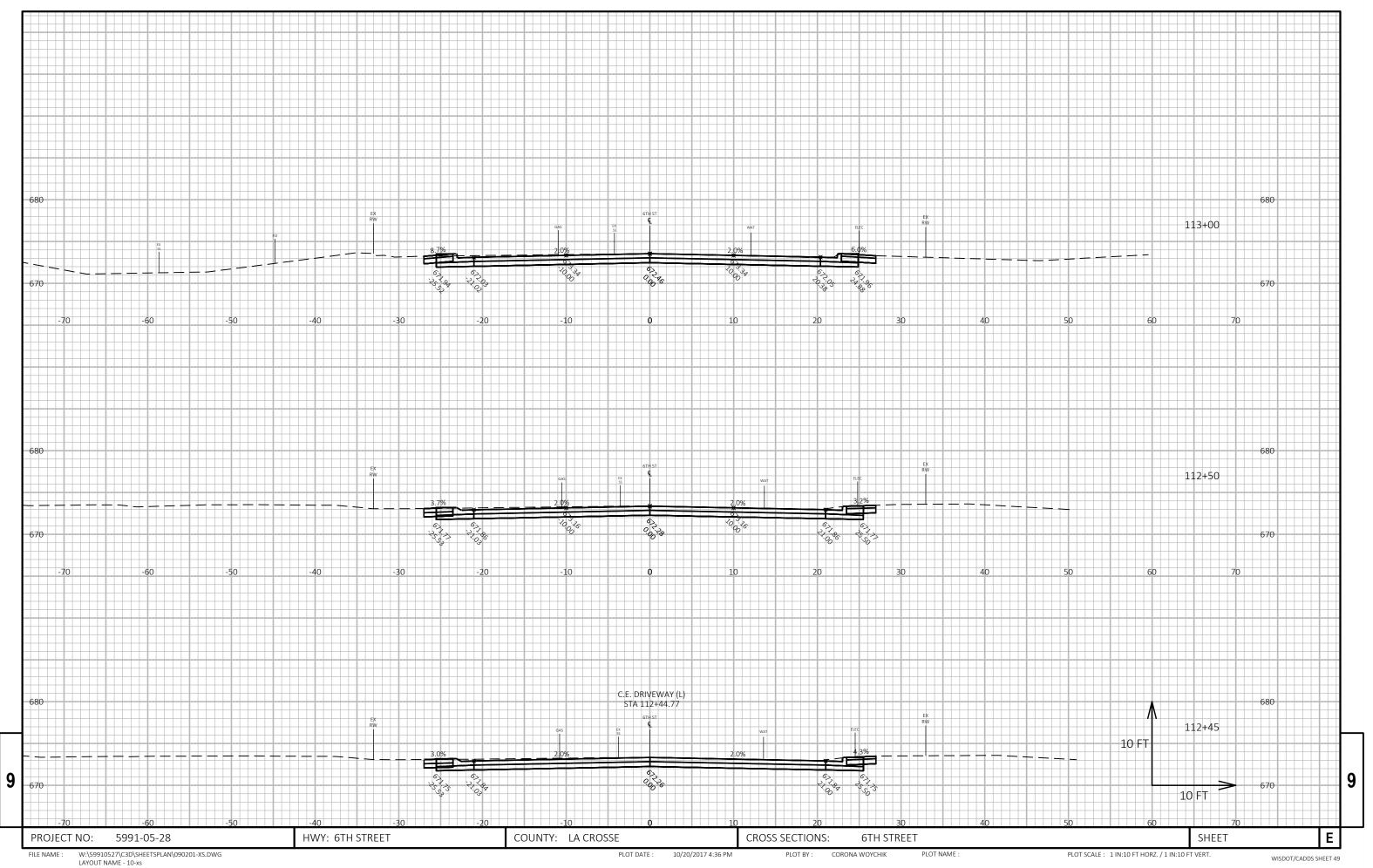


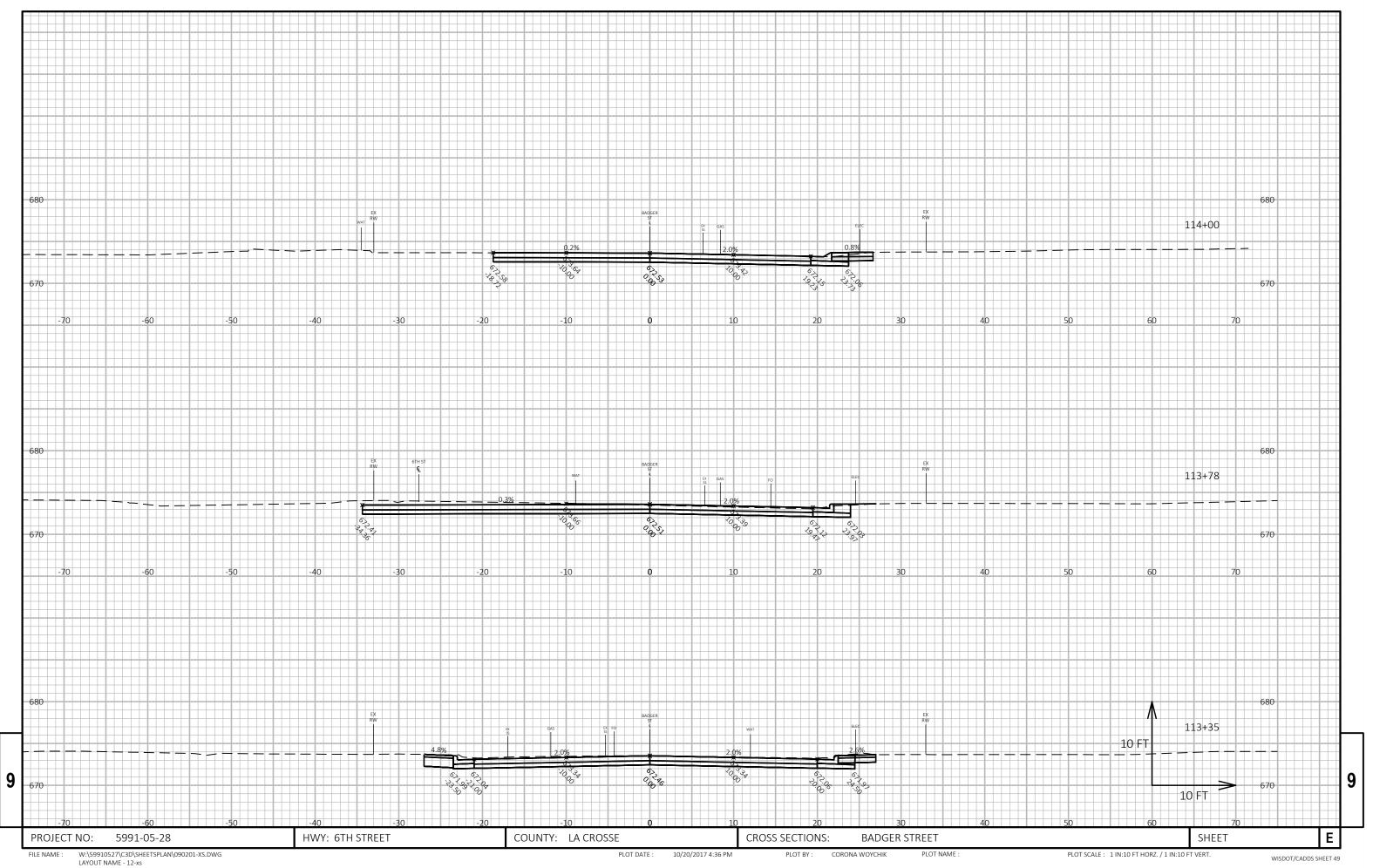


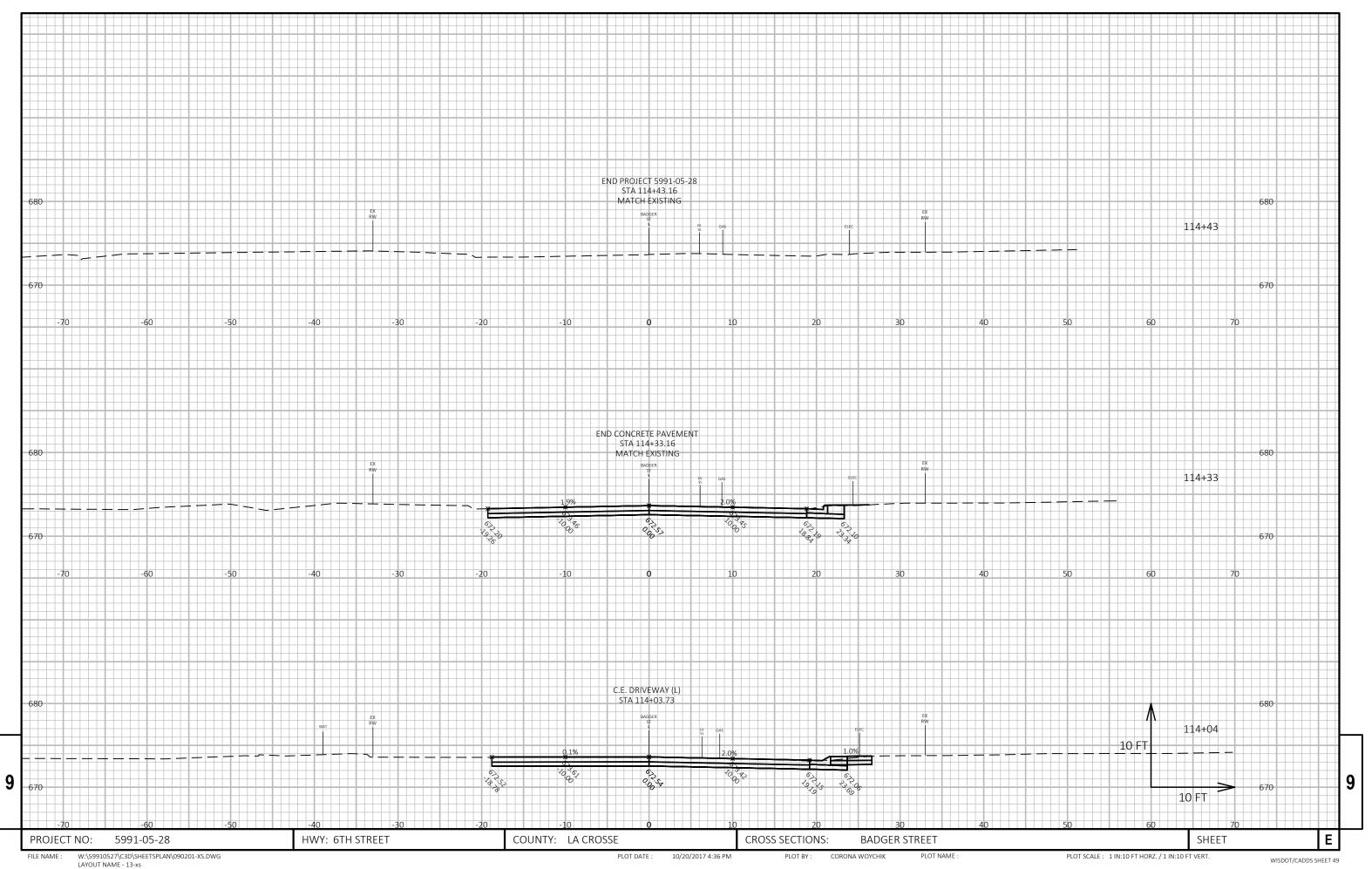














Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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