MAD Dec 14, 2021

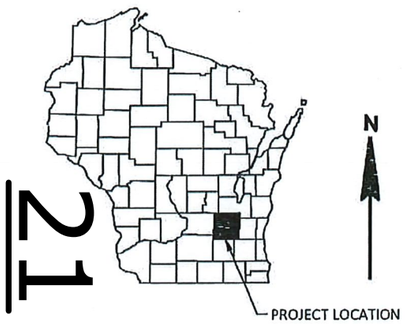
PROJECT ID: 6995-00-13 / 6995-00-14

COUNTY: DODGE

ORDER OF SHEETS

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

TOTAL SHEETS = 172



21

DESIGN DESIGNATION

A.A.D.T.	(2022)	=	1,340
A.A.D.T.	(2042)	=	1,410
D.H.V.		=	250
D.D.		=	59/41
T.		=	7.2%
DESIGN SPEED		=	30 MPH
ESALS		=	210,000

CONVENTIONAL SYMBOLS

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

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

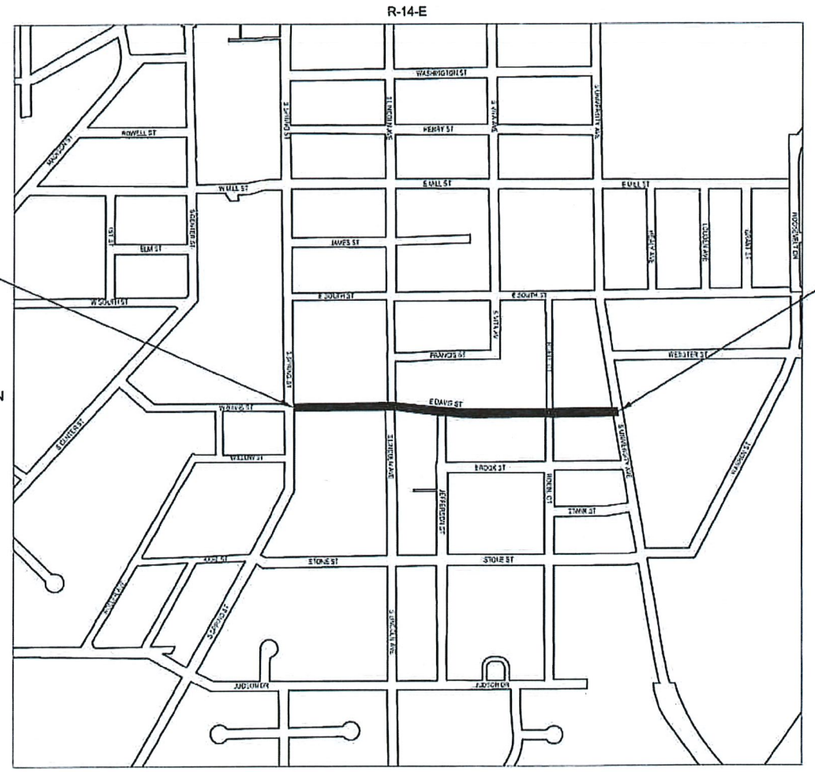
C BEAVER DAM, EAST DAVIS STREET

(S. SPRING STREET - S. UNIVERSITY AVENUE)

LOCAL STREET
DODGE COUNTY

STATE PROJECT NUMBER	STATE PROJECT NUMBER
6995-00-13	6995-00-14
ROADWAY	LOCAL UTILITIES

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6995-00-13	WISC 2022081	1
6995-00-14		



BEGIN PROJECT 6995-00-13
STA. 22+73.13
Y =720,461.27
X =847,633.60

END PROJECT 6995-00-13
STA. 44+84.34
Y = 720,425.35
X = 849,842.30

LAYOUT
SCALE 0 1000 FT

TOTAL NET LENGTH OF CENTERLINE = 0.419 MILE

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DODGE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. ELEVATIONS SHOWN ON THIS PLAN REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD (2012).

ACCEPTED FOR
CITY OF BEAVER DAM
7/16/2021 (Date)
(Director of Engineering)

ORIGINAL PLANS PREPARED BY

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

WISCONSIN
JAIME L KURTEN-CHMIELEWSKI
E-42403
MADISON
WI
PROFESSIONAL ENGINEER

DATE 7-13-2021 Jaime Kurten Chmielewski (Professional Engineer)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MSA PROFESSIONAL SERVICES, INC
Designer	MSA PROFESSIONAL SERVICES, INC
Project Manager	ZACHARY PEARSON
Regional Examiner	SW REGION
Regional Supervisor	IAN WINGER

APPROVED FOR THE DEPARTMENT
DATE: 07/21/2021 (Signature)

E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E DAVIS STREET - STP URBAN\SHEETSPLAN\010101-TI.DWG PLOT DATE : 7/12/2021 9:44 AM PLOT BY : JAIME KURTEN PLOT NAME :

GENERAL NOTES

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

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO NAVD88 (2012).

TYPICAL FINISHED SECTIONS SHOW THE GENERAL ROADWAY FEATURES THROUGHOUT THE PROJECT. PAVEMENT SLOPES, BORDER SLOPES, ETC., MAY VARY WITHIN THE STATION LIMITS OF THE STATION SECTION. SEE DETAIL SHEETS AND CROSS SECTIONS FOR SLOPES AND GRADES.

WHEN THE QUANTITY OF THE ITEM OF BASE AGGREGATE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

PROOF ROLLING OF SUBBASE IS REQUIRED BEFORE PLACEMENT OF BASE COURSE & IS INCIDENTAL TO EXCAVATION COMMON. PROOF ROLLING SHALL BE WITNESSED BY THE ENGINEER.

PRIOR TO ORDERING DRAINAGE PIPES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS AND RESOLVE ALL CONFLICT VERIFICATIONS BY WAY OF ULO'S WITH THE ENGINEER.

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

ALL LENGTHS ARE IN FEET EXCEPT AS SHOWN.

STORM SEWER LENGTHS ARE TO CENTER OF STRUCTURES.

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

A MINIMUM 6-INCHES OF ADJUSTMENT RINGS ARE REQUIRED FOR STORM SEWER STRUCTURES, UNLESS OTHERWISE NOTED.

MISCELLANEOUS REMOVAL ITEMS REQUIRING RESTORATION OF CONCRETE OR ASPHALTIC CONCRETE DRIVEWAYS, SIDEWALKS, OR SIDE STREETS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER, OR AS SHOWN ON THE PLANS.

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

ALL CONCRETE DRIVEWAYS AND SIDEWALKS ACROSS DRIVEWAYS SHALL BE 6" THICK AND SHALL BE PAID FOR AS CONCRETE DRIVEWAY 6-INCH AND CONCRETE SIDEWALK 6-INCH.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FACE OF CURB.

THE CLEAR ZONE BEHIND CURB AND GUTTER IS 2 FEET FROM THE FACE OF THE CURB.

EROSION CONTROL FEATURES TO BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER AND IN PLACE PRIOR TO START OF CONSTRUCTION.

A 25% EXPANSION FACTOR WAS USED TO CALCULATE FILL QUANTITIES.

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

UNDISTRIBUTED QUANTITIES SHALL NOT BE USED WITHOUT APPROVAL BY THE ENGINEER.

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

NO CONCRETE STEPS SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

REMOVING CONCRETE STEPS SHALL BE PAID FOR AS REMOVING CONCRETE SIDEWALK.

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER
SANITARY SEWER AND WATER MAIN PLAN
PERMANENT SIGNING & PAVEMENT MARKINGS
CONDUIT INSTALLATION
TRAFFIC CONTROL
PEDESTRIAN DETOUR PLAN
DETOUR PLAN
ALIGNMENT OVERVIEW

STANDARD ABBREVIATIONS

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

UTILITIES

TELEPHONE & FIBER OPTIC
AT&T WISCONSIN
ATTN: CHUCK BARTELT
70 E. DIVISION STREET
FOND DU LAC, WI 54935
TELEPHONE: (920) 929-1013
EMAIL: CB1461@ATT.COM

GAS & ELECTRIC
ALLIANT ENERGY
ATTN: PERRY BOECK
120 E. MAPLE AVENUE
BEAVER DAM, WI 53916
TELEPHONE: (920) 887-6061
EMAIL: PERRYBOECK@ALLIANTENERGY.COM

TELEPHONE & FIBER OPTIC
WINDSTREAM COMMUNICATIONS
ATTN: ERIC BECKER
314 N. DANZ AVENUE
GREEN BAY, WI 54302-3526
TELEPHONE: (920) 461-9825
EMAIL: ERIC.BECKER@WINDSTREAM.COM

SANITARY SEWER & WATERMAIN
BEAVER DAM UTILITIES
ATTN: ROB MINNEMA
108 MYRTLE ROAD
BEAVER DAM, WI 53916
TELEPHONE: (920) 887-4625
EMAIL: RMINNEMA@CITYOFBEAVERDAM.COM

CABLE*
CHARTER SPECTRUM
ATTN: NICK FRASE
1515 W. WASHINGTON ST.
WEST BEND, WI 53095
TELEPHONE: (920) 304-6797
EMAIL: NICK.FRASE@CHARTER.COM

*- DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS

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

DESIGN CONTACTS

MSA PROFESSIONAL SERVICES, INC.
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1702 PANKRATZ STREET
MADISON, WI 53704
TELEPHONE: (608) 242 6619
EMAIL: JKURTEN@MSA-PS.COM

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
ATTN: ERIC HEGGELUND
3911 FISH HATCHERY ROAD
FITCHBURG, WI. 53711
TELEPHONE: (608) 275-3301
EMAIL: ERIC.HEGGELUND@WISCONSIN.GOV

OTHER CONTACTS

FIBER OPTIC CABLE
BEAVER DAM UNIFIED SCHOOL DISTRICT (BDUSD)
ATTN: PETER WORECK
705 MCKINLEY STREET
BEAVER DAM, WI 53916
TELEPHONE: (920) 885-7300
EMAIL: WORECKP@BDUSD.ORG

CITY OF BEAVER DAM CONTACTS

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EMAIL: RMINNEMA@CITYOFBEAVERDAM.COM

DIRECTOR OF ENGINEERING
TODD JANSSEN
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BEAVER DAM, WI 53916
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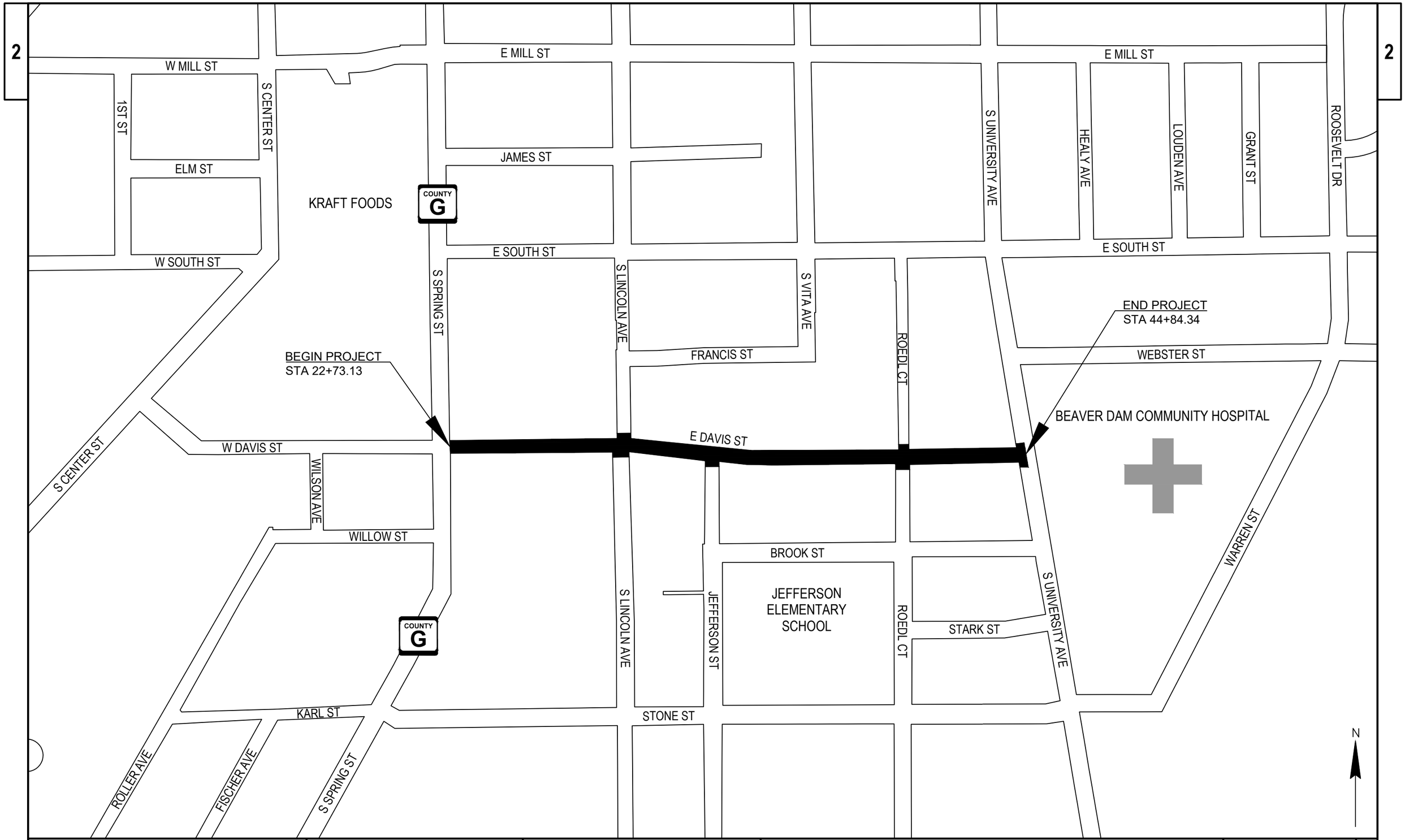
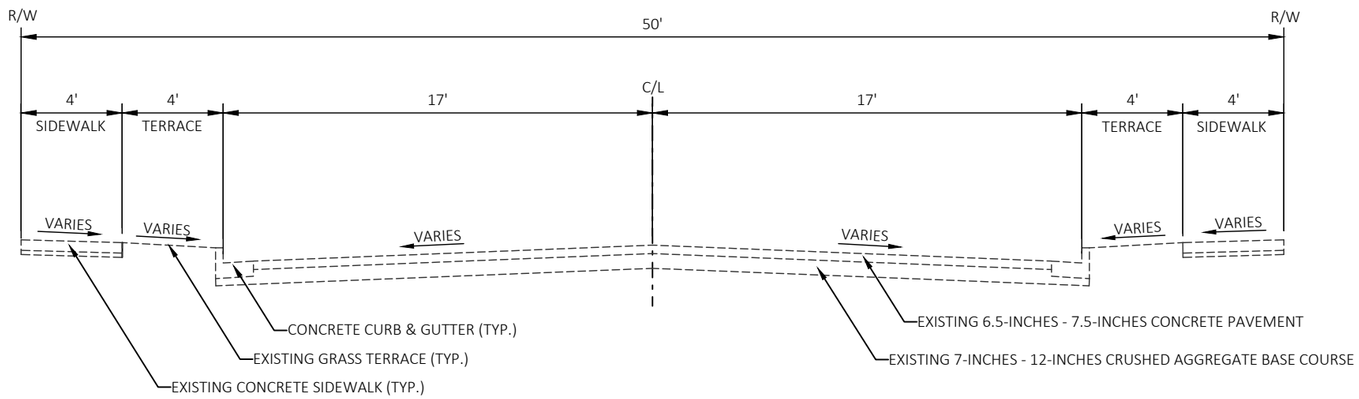
CITY OF BEAVER DAM POSTMASTER
AMY PROCHNOW
411 N SPRING STREET
BEAVER DAM, WI 53916
EMAIL: AMY.I.PROCHNOW@USPS.GOV



PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PROJECT OVERVIEW	SHEET 3	E

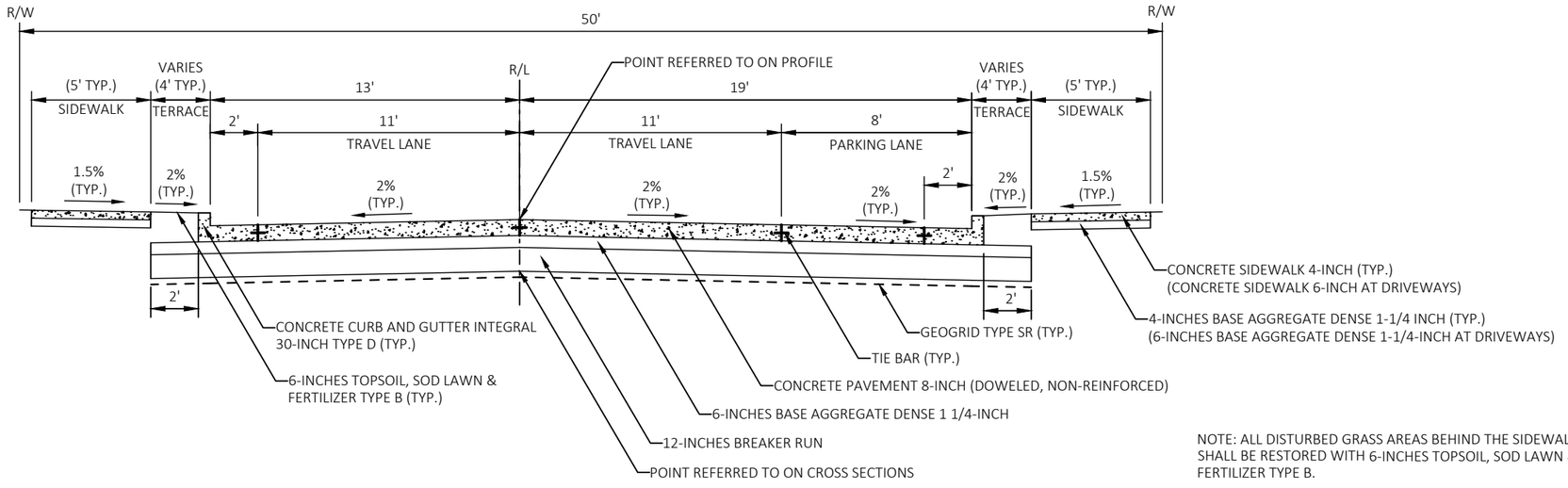
FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - Plan 1 IN 100 FT
PLOT DATE : 5/14/2021 4:31 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : Custom
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION - EAST DAVIS STREET

S. SPRING STREET - S. UNIVERSITY AVENUE
(STA. 22+73.13 - STA. 44+84.34)



NOTE: ALL DISTURBED GRASS AREAS BEHIND THE SIDEWALK SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SOD LAWN & FERTILIZER TYPE B.

PROPOSED TYPICAL SECTION - EAST DAVIS STREET

S. SPRING STREET - S. UNIVERSITY AVENUE
(STA. 22+73.13 - STA. 44+84.34)

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	TYPICAL SECTIONS	SHEET 4	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020301-ts
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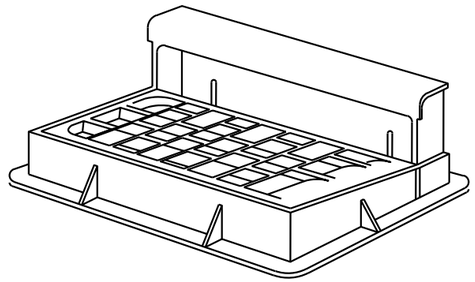
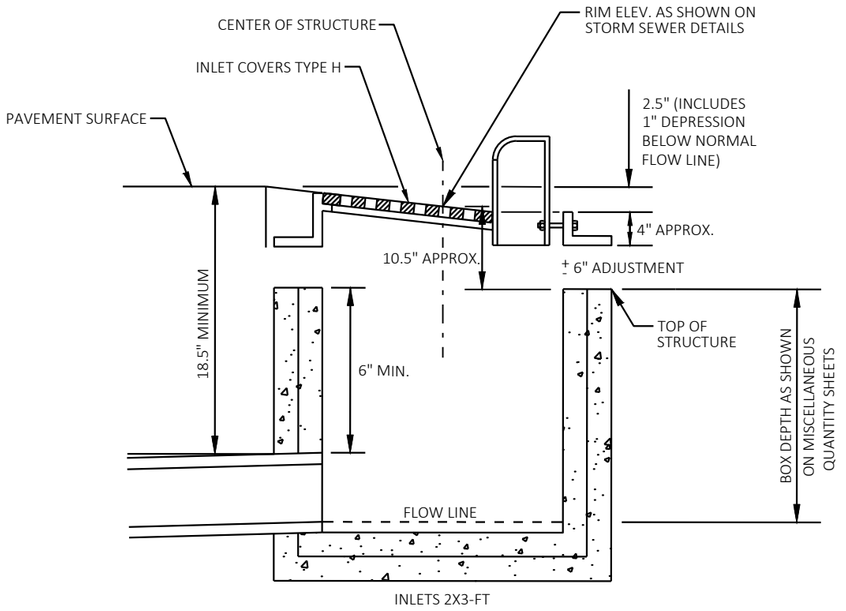
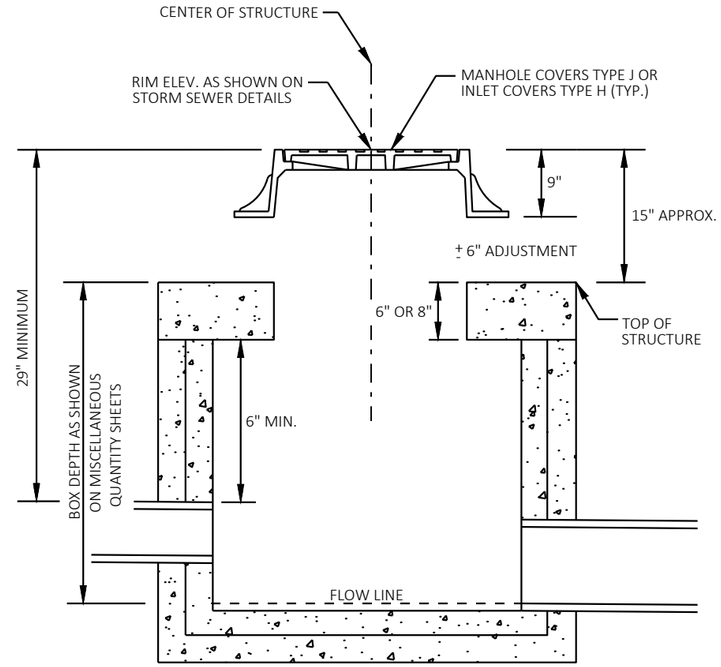
WISDOT/CADDS SHEET 42



INLET COVERS TYPE H DETAIL



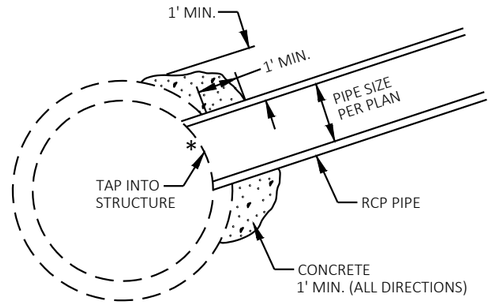
DETAIL FOR COMPUTING INLET ELEVATIONS
SCALE: NONE



DETAIL FOR COMPUTING ROUND STRUCTURE ELEVATIONS
SCALE: NONE

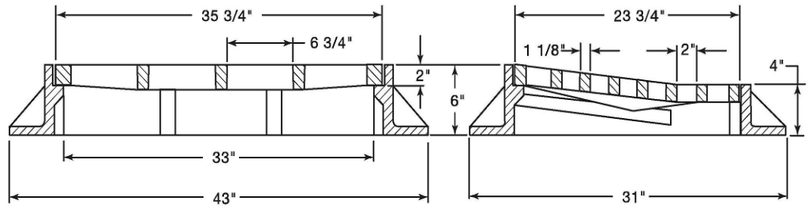
NOTE: CONCRETE INCIDENTAL TO INSTALLATION OF STORM SEWER PIPE

* NO PIPE TO PROTRUDE INTO MANHOLE

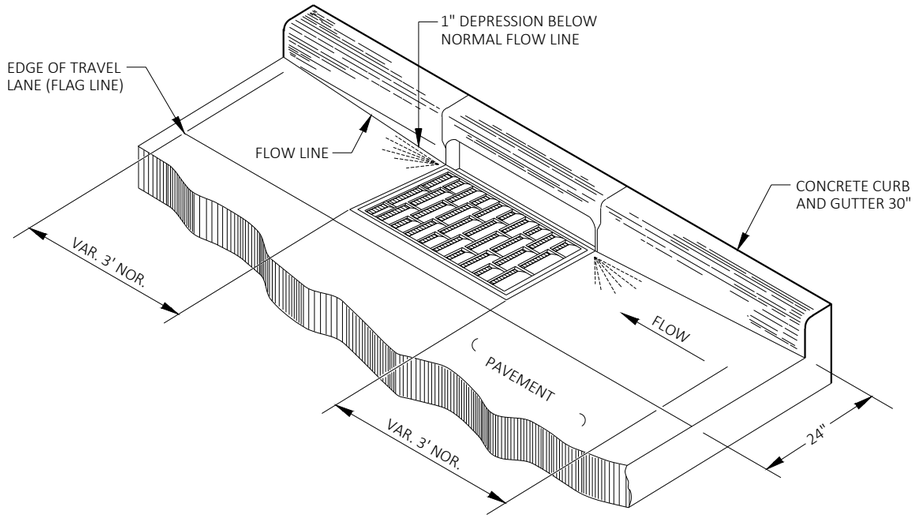


PLAN VIEW

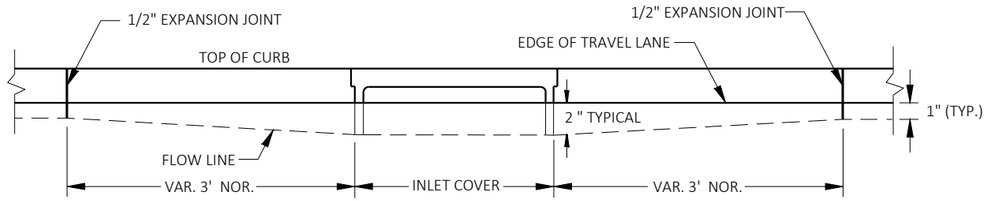
MANHOLE CONNECTION DETAIL
SCALE: NONE



INLETS COVER TYPE DRIVEWAY SPECIAL DETAIL
SCALE: NONE



(INLET 2x3-FT WITH INLET
COVER TYPE H SHOWN)

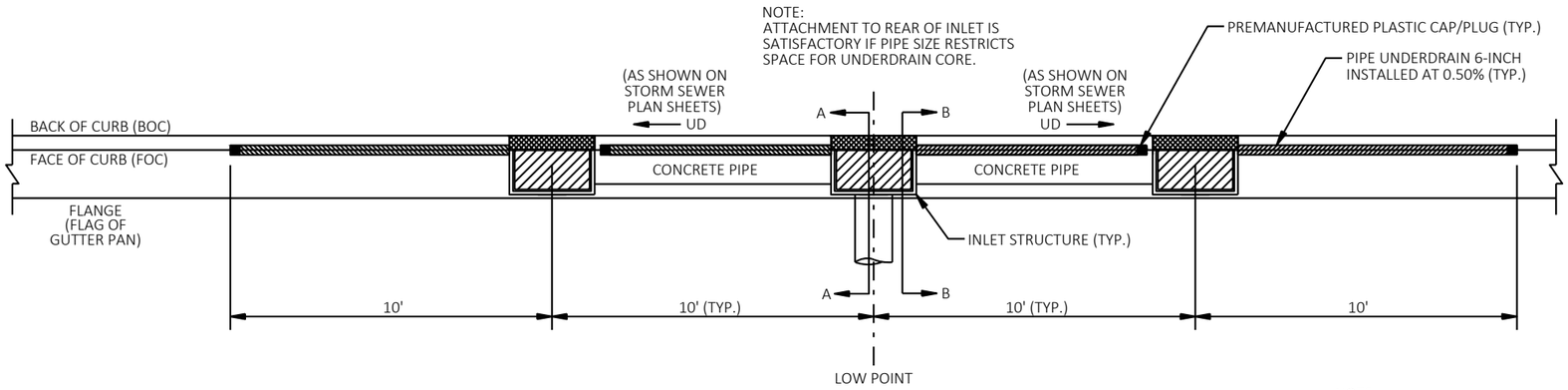


ELEVATION VIEW

DETAIL OF CURB & GUTTER AT INLETS
SCALE: NONE

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CONSTRUCTION DETAILS	SHEET 6	E

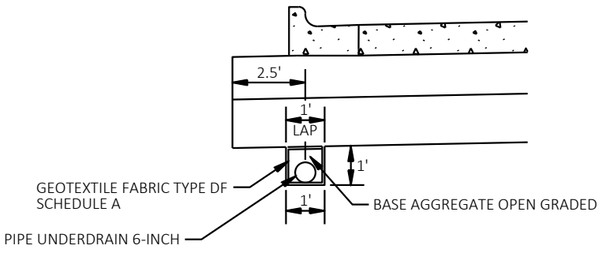
FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 021002-cd
PLOT DATE : 7/15/2021 10:29 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



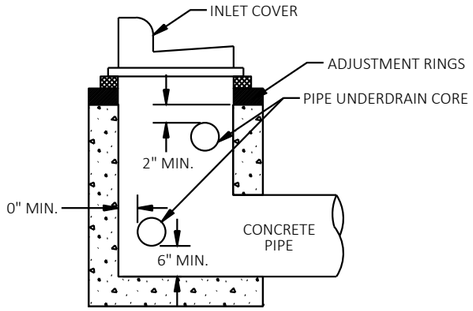
PLAN VIEW

(TRIPLE INLET CONFIGURATION WITH UNDERDRAIN SHOWN)

NOTE:
WHERE MULTIPLE INLETS ARE USED AT LOW POINTS, PERFORATED PIPE UNDERDRAIN SHALL BE INSTALLED 10-FEET FROM THE OUTERMOST INLETS AT A MINIMUM POSITIVE GRADE OF 0.50%.
THE SECTION OF UNDERDRAIN BETWEEN THE CENTER AND OUTER INLETS SHALL BE PLACED TIGHT TO THE OUTER INLET, CAPPED WITH A PREMANUFACTURED PLASTIC CAP OR PLUG, AND LAID AS SPECIFIED ABOVE TO THE CENTER INLET.



TYPICAL SECTION

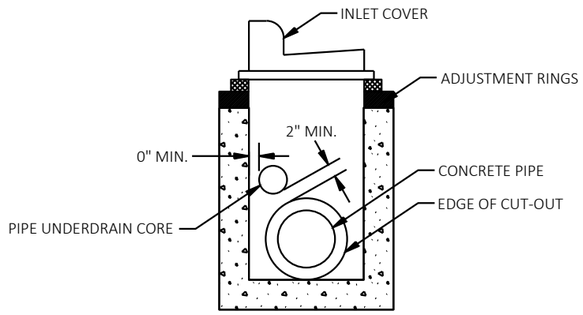


NOTES:

1. BOTTOM OF CORE SHALL BE PLACED A MINIMUM OF 6" ABOVE THE FLOOR OF THE INLET.
2. TOP OF CORE HOLES SHALL BE A MINIMUM OF 2" BELOW THE TOP OF INLET STRUCTURE (BOTTOM OF ADJUSTMENT RINGS).
3. CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.

SECTION A-A

(TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL WITH CROSSPIPE ONLY)



NOTES:

1. CORE HOLES SHALL PROVIDE FOR A MINIMUM OF 2" OF CONCRETE BETWEEN THE CUTOUT FOR A CONCRETE PIPE AND THE EDGE OF THE CORE HOLE..
2. CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALLS OF A STRUCTURE.

SECTION B-B

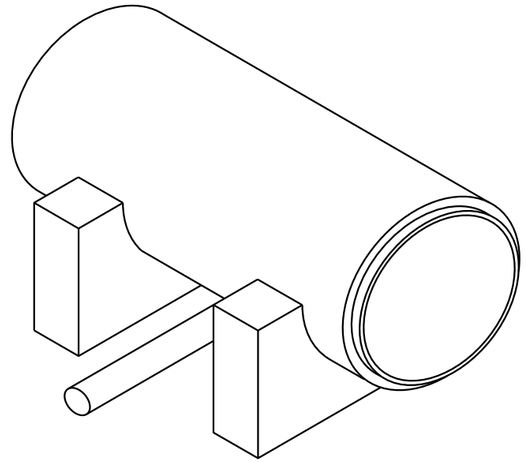
(TYPICAL INLET WITH UNDERDRAIN CORED INTO WALL WITH PIPE)

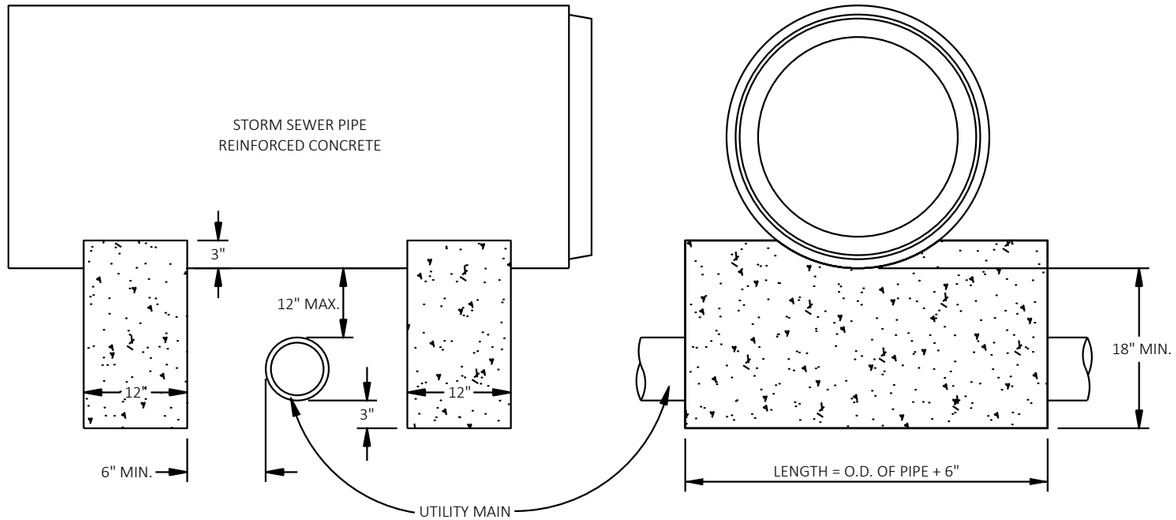
PIPE UNDERDRAIN CONNECTION DETAIL

SCALE: NONE

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CONSTRUCTION DETAILS	SHEET 7	E

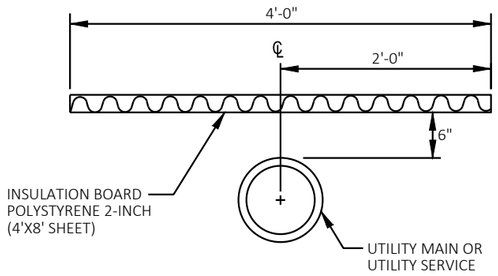
FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 021005-cd
PLOT DATE : 7/15/2021 10:29 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42





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

CONCRETE PIPE SUPPORT DETAIL
SCALE: NONE

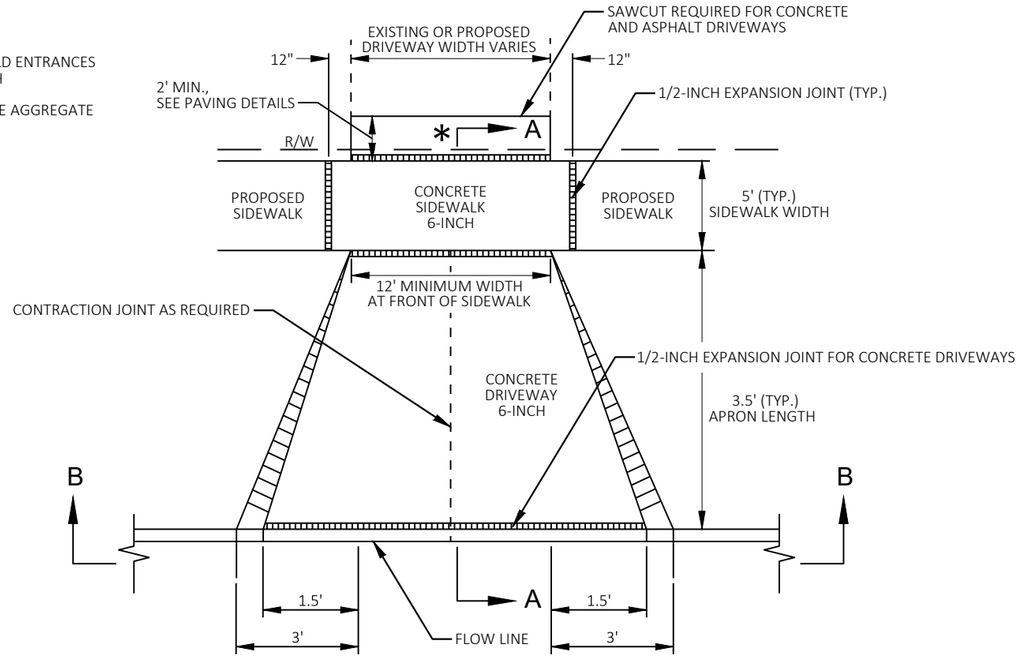


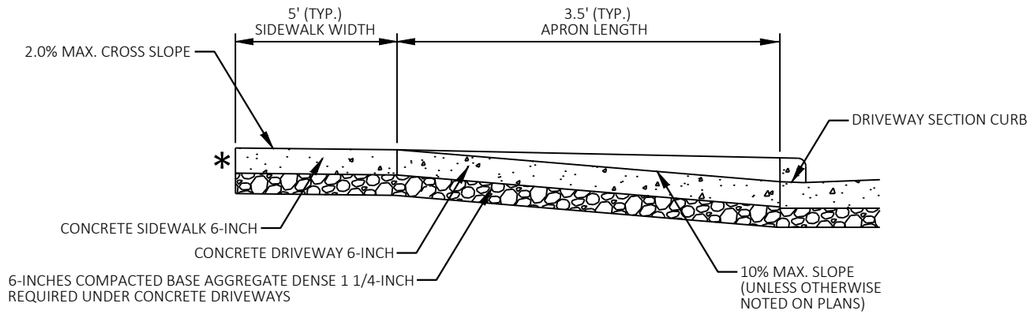
PIPE INSULATION DETAIL
SCALE: NONE

2

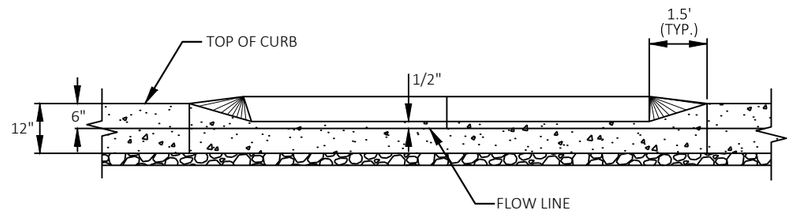
* NOTES FOR REPLACING DRIVEWAYS:

1. ASPHALT: 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
2. CONCRETE: CONCRETE DRIVEWAY 6-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
3. AGGREGATE: 6-INCHES BASE AGGREGATE DENSE 3/4-INCH





SECTION A-A



SECTION B-B

DRIVEWAY DETAIL
SCALE: NONE

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CONSTRUCTION DETAILS	SHEET 9	E

2

GENERAL SANITARY SEWER AND WATER MAIN CONSTRUCTION NOTES:

1. THE SANITARY LATERAL LOCATIONS ARE SHOWN AS PER THE TELEVISION REPORTS FURNISHED BY THE CITY. NOT ALL LOCATIONS MAY BE ACTIVE. THE CONTRACTOR SHALL DYE TEST THE LATERALS TO VERIFY WHICH ONES ARE ACTIVE AND RECONNECT ONLY THE ACTIVE LATERALS. INVESTIGATION AND DYE TESTING SHALL BE INCIDENTAL TO THE SANITARY SEWER CONSTRUCTION. THE SIZE/MATERIAL OF THE EXISTING SANITARY LATERALS IS UNKNOWN. NEW SANITARY SEWER LATERAL PIPE SHALL BE 6" DIAMETER AND THE MATERIAL SHALL BE PVC. THE CONTRACTOR SHALL HAVE A SUFFICIENT AMOUNT OF BOTH 4" AND 6" DIAMETER CONNECTION FITTINGS ON HAND TO CONNECT TO THE EXISTING LATERALS AT A POINT NEAR THE R/W LINE AS DIRECTED BY THE CITY AND/OR FIELD ENGINEER. .

2. NEW WATER SERVICE PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) AWWA C901 250 PSI SODR 9 COPPER TUBE SIZE (CTS) = 1".

3. IF ANY CURB STOP BOX FALLS WITHIN PROPOSED PAVEMENT, THE CONTRACTOR SHALL INSTALL A VALVE BOX TOP SECTION AROUND SAID BOX PRIOR TO PAVEMENT RESTORATION SO THAT PAVEMENT DOES NOT ADHERE TO THE BOX (INCIDENTAL TO CONSTRUCTION).

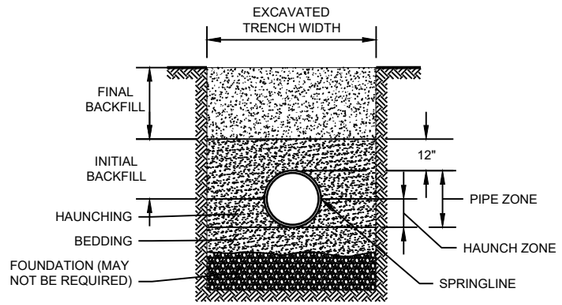
4. A 7 FEET DEPTH OF COVER OVER ALL NEWLY INSTALLED WATER MAINS AND SERVICES IS DESIRED FOR THIS PROJECT. THE CONTRACTOR SHALL MAINTAIN A MINIMUM DEPTH OF COVER OF 5.0 FEET UNLESS DIRECTED OTHERWISE BY THE VILLAGE. IF THE NEWLY INSTALLED WATER SERVICE OR MAIN IS INSTALLED WITH COVER LESS THAN 7 FEET, THE CONTRACTOR SHALL INSULATE THE WATER PIPING ACCORDING TO THE INSULATION DETAIL AND PROJECT SPECIFICATIONS. THE DEPTH OF COVER SHALL BE BASED ON FINISHED GROUND ELEVATIONS. INSULATION SHALL ALSO BE INSTALLED AT ALL LOCATIONS WHERE STORM SEWER CROSSES THE WATER MAIN. MINIMUM VERTICAL SEPARATION DISTANCE WHERE WATERMAIN CROSSES OVER SEWERS IS 6 INCHES. MINIMUM VERTICAL SEPARATION DISTANCE WHERE WATERMAIN CROSSES UNDER SEWERS IS 18 INCHES. DISTANCE WHERE WATER MAIN CROSSES UNDER SEWERS IS 18 INCHES. UNLESS PROHIBITED BY FIELD CONDITIONS, THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAIN AND SEWER MAIN PIPING SHALL BE 8 FEET.

5. ALL PROPOSED SANITARY SEWER AND WATER UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THIS CONSTRUCTION PLAN, THE PROJECT SPECIFICATIONS, THE LATEST EDITION OF THE WISCONSIN STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION, AND ANY CONDITIONS OF APPROVAL.

6. TRACER WIRE SHALL BE INSTALLED ALONG ALL SANITARY SEWER, SANITARY LATERALS, WATER MAIN, AND WATER SERVICES (INCIDENTAL TO THE SPECIFIC PIPING). THE CONTRACTOR SHALL MAINTAIN ELECTRICAL CONTINUITY ALONG ALL PROPOSED WATER MAIN AND SANITARY SEWER PIPING AS PER SPECIFICATIONS (INCIDENTAL TO THE SPECIFIC PIPING).TRACER WIRE SHALL BE SURFACED AT ALL SANITARY MANHOLES, HYDRANTS, WATER SERVICE VALVES/CURB STOPS, AND SANITARY LATERAL TRACER WIRE TERMINAL BOXES.

7. THE NEW WATER MAIN SHALL BE INSTALLED AND TESTED WHILE THE EXISTING WATER MAIN IS STILL IN OPERATION TO KEEP WATER SERVICE TO RESIDENTS AND BUSINESSES FOR AS LONG AS POSSIBLE. THE CONTRACTOR SHALL COORDINATE WITH THE CITY AND/OR FIELD ENGINEER REGARDING DEFLECTING WATER MAIN AND WATER SERVICE PIPING TO AVOID CONFLICTS WITH THE PROP. SANITARY & STORM IMPROVEMENTS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF WATER CONNECTION POINTS TO THE EXISTING WATER SYSTEM AND SHALL NOTIFY THE ENGINEER OF POSSIBLE HIGH POINTS IN THE WATER MAIN WITHOUT AIR RELEASE.

8. ALL BENDS, FERNCO CONNECTORS, FITTINGS, AND OTHER MATERIALS NOT SPECIFICALLY ITEMIZED ON THE BID BUT NECESSARY TO MAKE A WATERTIGHT CONNECTION TO THE EXISTING SANITARY OR WATER PIPING AS WELL AS TO PROVIDE A COMPLETE WORKING SYSTEM SHALL BE INCIDENTAL TO CONSTRUCTION. ALL SAWCUTTING NECESSARY FOR UTILITY INSTALLATION SHALL BE INCIDENTAL TO CONSTRUCTION. ALL EXISTING SANITARY SEWER AND WATER PIPE ABANDONMENT SHALL BE INCIDENTAL TO THE LUMP SUM ABANDONMENT/REMOVAL BID ITEMS. REMOVAL OF EX. MANHOLES, HYDRANTS AND VALVE BOXES THAT ARE NO LONGER IN USE SHALL BE PAID FOR UNDER THEIR OWN RESPECTIVE BID ITEMS.



GENERAL NOTES:

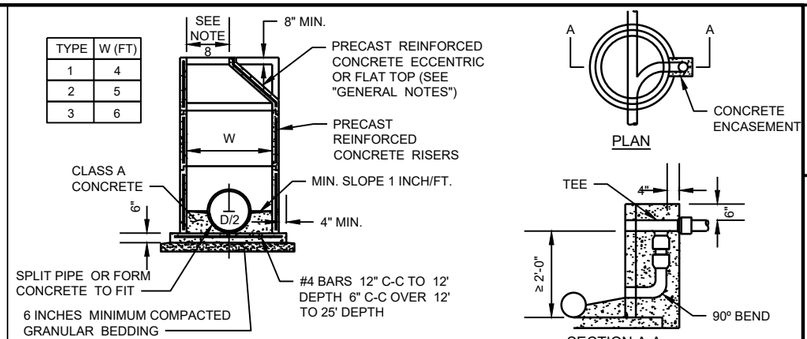
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO ASTM D2321.
2. CLASS II EMBEDMENT MATERIAL SHALL BE CLEAN, COARSE-GRAINED SOILS WITH LITTLE TO NO FINES. NO PARTICLES LARGER THAN 1 1/2 -INCHES SHALL BE USED IN THE PIPE EMBEDMENT.
3. WHERE HYDRAULIC GRADIENT EXISTS USE A WELL-GRADED MIXTURE TO MINIMIZE MIGRATION OF FINES FROM ADJACENT SOIL.
4. CLASS II MATERIAL IS SUITABLE AS A FOUNDATION AND FOR REPLACING OVER- EXCAVATED AND UNSTABLE TRENCH BOTTOM. INSTALL AND COMPACT IN 6-INCH MAXIMUM LAYERS.
5. INSTALL AND COMPACT BEDDING IN 6-INCH MAXIMUM LAYERS. LEVEL FINAL GRADE BY HAND. MINIMUM DEPTH 4 INCH (6 INCH IN ROCK CUTS.)
6. INSTALL AND COMPACT HAUNCHING IN 6-INCH MAXIMUM LAYERS. WORK IN AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT.
7. INSTALL AND COMPACT INITIAL BACKFILL TO A MINIMUM OF 6 INCH ABOVE PIPE CROWN.
8. EMBEDMENT COMPACTION:

   MINIMUM DENSITY 85% STANDARD PROCTOR. USE HAND TAMPERS OR VIBRATORY COMPACTORS.

10. EMBEDMENT INCLUDES BEDDING, HAUNCHING, AND INITIAL BACKFILL.

CLASS II - PVC SANITARY AND WATERMAIN PIPE EMBEDMENT DETAIL

NO SCALE



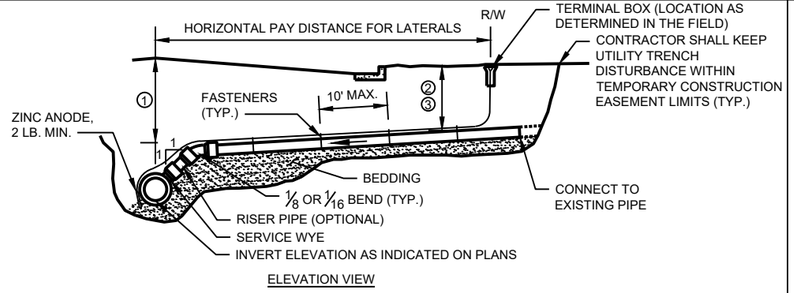
DROP ASSEMBLY DETAIL

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING AND THE APPLICABLE SPECIAL CONDITIONS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
2. DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.
3. PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS FOR GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.
4. ECCENTRIC CONE TOPS SHALL BE USED ON ALL STRUCTURES 5 FEET OR GREATER IN DEPTH, AND FLAT TOPS SHALL BE USED ONLY ON STRUCTURES LESS THAN 5 FEET IN DEPTH, UNLESS DIRECTED BY THE ENGINEER.
5. PRECAST REINFORCED CONCRETE RISERS MAY BE PLACED WITH TONGUE UP OR DOWN.
6. ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.
7. DROP CONNECTIONS SHALL BE USED WHEN THE PIPE INVERT IS MORE THAN 2 FEET ABOVE THE MANHOLE INVERT. PRECAST STRUCTURE MANWAY CLEAR OPENING SHALL MATCH CASTING - REFER TO STANDARD SPECIFICATION
8. DIVISION 33 AND THE APPLICABLE SPECIAL CONDITIONS.
   - OPENING SHALL BE 24" FOR R-1550 CASTINGS
   - OPENING SHALL BE 27" FOR R-1642 CASTINGS
9. DROP CONNECTION AND ASSEMBLY SHALL BE CONSTRUCTED WITH DUCTILE IRON PIPE.

PRECAST REINFORCED CONCRETE SANITARY MANHOLE DETAIL

NO SCALE



ELEVATION VIEW

NOTES FOR LATERAL INSTALLATION:

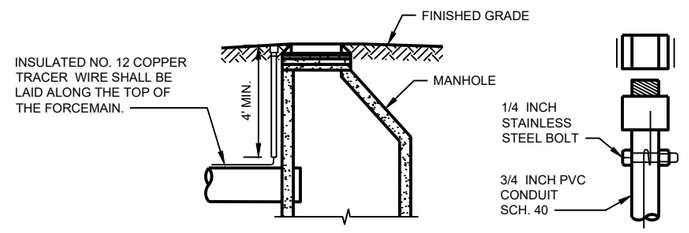
1. MINIMUM DEPTH OF COVER UNDER ROADWAY = 7 FEET.
2. MINIMUM DEPTH OF COVER UNDER GRASS AREAS = 5 1/2 FEET.
3. MINIMUM DEPTH OF COVER UNDER GRASS AREAS WITH FROST PROTECTION = 3 FEET 6 INCHES.
4. LATERAL SLOPES SHALL BE 1/8 INCH PER FOOT MINIMUM AND 1/2 INCH PER FOOT MAXIMUM.

NOTES FOR TRACER WIRE INSTALLATION:

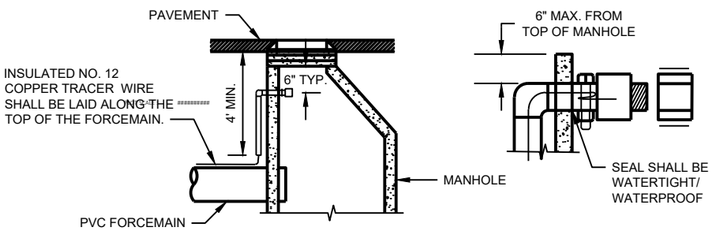
1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. NO. 12 GAUGE GREEN INSULATED COPPER TRACER WIRE SHALL BE INSTALLED WITH THE NON-CONDUCTIVE SERVICE. PIPE TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER MAIN OR AS DETERMINED BY THE ENGINEER OR OWNER. TRACER WIRE INSTALLATION REQUIRES ACCESS POINTS AT LEAST EVERY 300 FEET.
3. TRACER WIRE SHALL BE RESTRAINED BY CABLE-TIES, TAPE, OR BY NON-CORRESIVE FASTENER APPROVED BY THE OWNER, INSTALLED EVERY 10 FEET ALONG SERVICE. DO NOT WRAP TRACER WIRE AROUND THE PIPE.
4. TRACER WIRE SHALL RUN FROM THE WYE AND TERMINATED IN A FLUSH MOUNTED TERMINAL BOX WITH A CAST IRON LOCKABLE TOP. SPLICES IN TRACER WIRE SHOULD BE MADE WITH SPLIT BOLT OR COMPRESSION-TYPE CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION. TERMINAL BOX SHALL BE VALVCO, OR APPROVED EQUAL.

SANITARY SEWER LATERAL DETAIL

NO SCALE



INSTALLATION IN UNPAVED AREA



INSTALLATION IN PAVED AREA

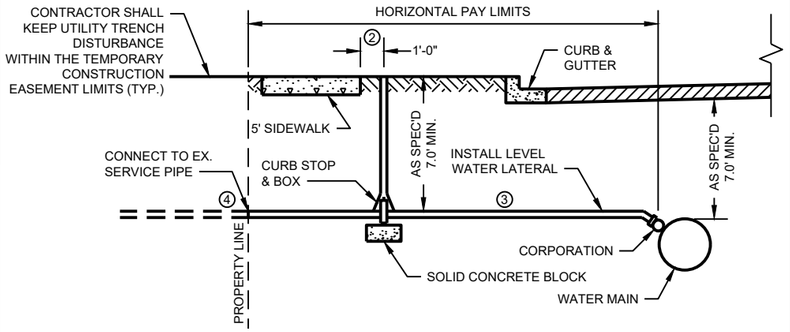
GENERAL NOTES:

1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. A THREADED, FEMALE PVC SCHEDULE 40 PLUG AND MALE COUPLING GLUED TO 3/4 INCH SCHEDULE 40 SHALL BE INSTALLED IN OR ADJACENT TO THE VALVE VAULT AND MANHOLE.
3. WIRE PIGTAIL SHALL BE WRAPPED AROUND BOLT AND READILY ACCESSIBLE, WITH SUFFICIENT LENGTH FOR EASY CONNECTION.

TRACER WIRE INSTALLATION FOR PVC SANITARY SEWER

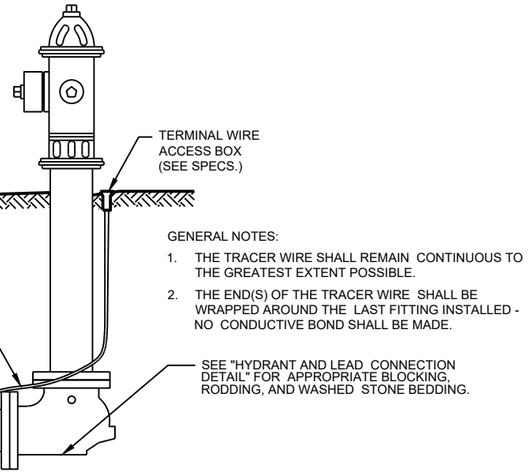
NO SCALE

PROJECT NO: 6995-00-14	HWY: E. DAVIS STREET	COUNTY: DODGE	CONSTRUCTION DETAILS	SHEET 10	E



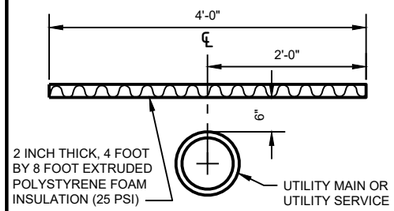
GENERAL NOTES:
1. SEE PLANS AND SPECIFICATIONS FOR SIZE AND TYPE OF CURB STOP AND BOX CORPORATION AND SERVICE LINE.
2. COMMUNITY STANDARDS SHALL SUPERSEDE THE DIMENSIONS FROM THE PROPERTY LINE.
3. PROVIDE TRACER WIRE PER SPECIFICATIONS.
4. MAINTAIN MIN. DEPTH OF COVER ALONG THE NEW WATER SERVICE PIPING. IF THE CONNECTION POINT TO THE EX. WATER SERVICE PIPING (AT THE STREET R/W) IS AT LESS THAN THE MINIMUM DEPTH OF COVER, THEN DEFLECT THE NEW PIPING UP TO MATCH AT THE LAST POSSIBLE POINT AND INSULATE AS SPECIFIED.

WATER SERVICE DETAIL
NO SCALE

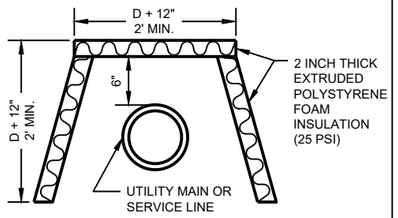


GENERAL NOTES:
1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. THE END(S) OF THE TRACER WIRE SHALL BE WRAPPED AROUND THE LAST FITTING INSTALLED - NO CONDUCTIVE BOND SHALL BE MADE.

TRACER WIRE INSTALLATION FOR PVC WATERMAIN DETAIL
NO SCALE



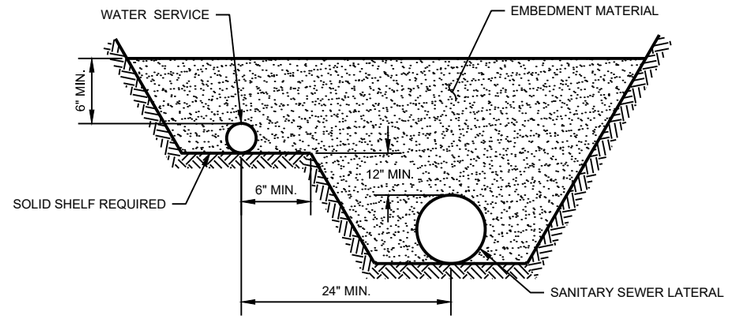
STANDARD INSTALLATION



SIDE PROTECTION INSTALLATION

GENERAL NOTES:
1. THE SIDE PROTECTION INSTALLATION SHALL BE USED WHERE FROST WILL PENETRATE BELOW THE PIPE INVERT.

PIPE INSULATION DETAIL
NO SCALE

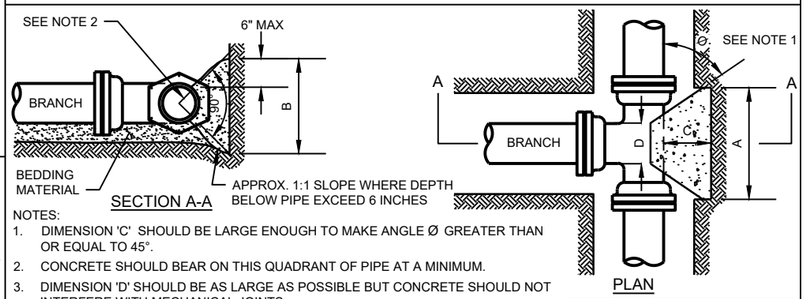


GENERAL NOTES:
1. WATER SERVICES 2 INCHES IN DIAMETER AND LESS SHALL BE LAID WITH A CLEAR HORIZONTAL SEPARATION NOT LESS THAN 2 FEET FROM THE SANITARY LATERAL.

WATER SERVICE AND SANITARY SEWER LATERAL DETAIL
NO SCALE

RESTRAINED/TIED PIPE LENGTH CHART						
MIN LENGTH REQUIRING RESTRAINT IN FEET						
	6"	8"	10"	12"	16"	24"
FITTING TYPE						
11.25° BEND	10	10	10	10	10	10
22.5° BEND	10	10	10	10	11	15
45° BEND	10	15	15	20	25	30
90° BEND	25	30	35	40	55	75
TEE/CROSS	15	25	35	45	65	95
STUB OR PLUG	30	35	45	50	95	100
REDUCER	0	20	35	50	105	125
VERTICAL BEND (45°)	20	30	35	40	50	75

THE ABOVE LENGTHS (GIVEN IN FEET) REPRESENT THE MINIMUM LENGTH OF PIPE TO BE TIED TOGETHER IN EACH REQUIRED DIRECTION FROM THE FITTING DESCRIBED



SECTION A-A

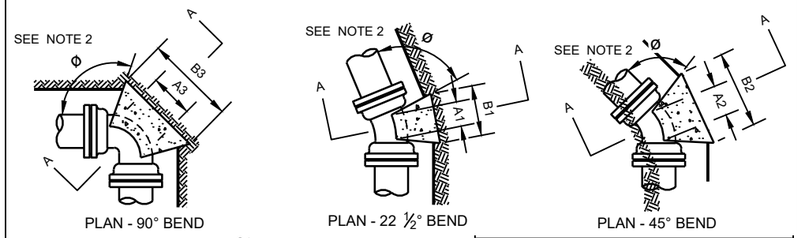
PLAN

NOTES:
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREATER THAN OR EQUAL TO 45°.
2. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
3. DIMENSION 'D' SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERE WITH MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI. INFORM THE ENGINEER IF ON-SITE SOIL DOES NOT MEET THIS CONDITION OR PRESSURES EXCEED 150 PSI.
5. BUTTRESS TO BE PLACED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95%% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. ALL POURED BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
8. IN ADDITION TO BUTTRESSES, ALL JOINTS SURROUNDING TEES SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS.

BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-3"	1'-0"	SEE NOTE NO. 1	SEE NOTE NO. 3
8"	1'-6"	1'-4"		
10"	1'-10"	1'-8"		
12"	2'-3"	2'-0"		
16"	3'-2"	2'-6"		
20"	4'-0"	3'-0"		
24"	5'-3"	3'-4"		

DIA. = BRANCH DIAMETER

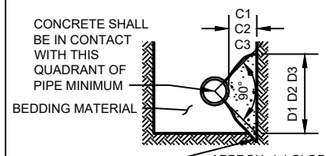
BUTTRESS FOR TEES DETAIL
NO SCALE



PLAN - 90° BEND

PLAN - 22 ½° BEND

PLAN - 45° BEND

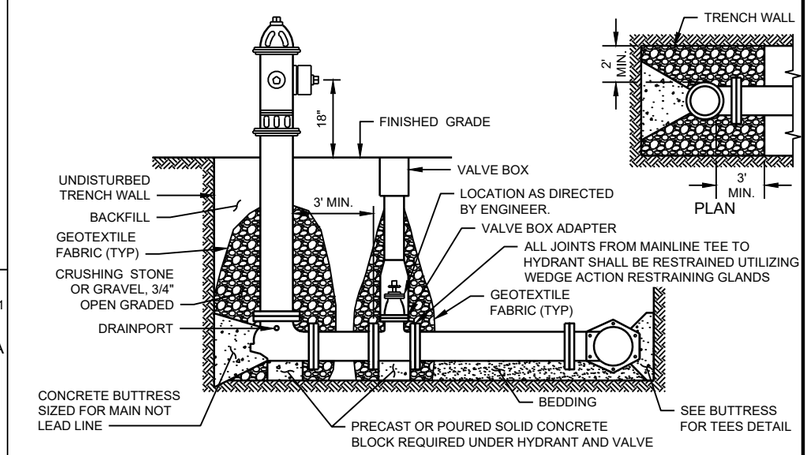


SECTION A-A

BUTTRESS DIMENSIONS						
PIPE SIZE	22 ½° BENDS		45° BENDS		90° BENDS	
	B1	D1	B2	D2	B3	D3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
10"	1'-2"	1'-2"	1'-7"	1'-7"	2'-3"	1'-10"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"

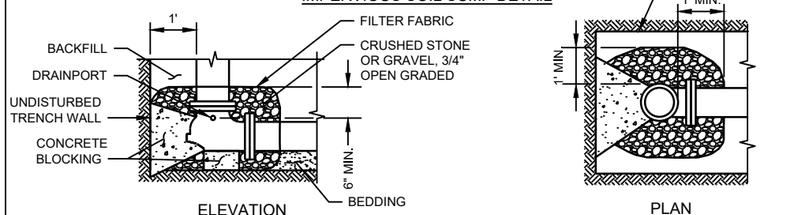
NOTES:
1. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND AN EARTH RESISTANCE OF 2 TONS PER SQ. FT. INFORM THE ENGINEER IF PRESSURES EXCEED 150 PSI, OR ON-SITE SOIL DOES NOT MEET THIS CONDITION.
2. DIMENSION C1 C2 C3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.
3. DIMENSION A1 A2 A3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH THE MECHANICAL JOINT.
4. BUTTRESS TO BE POURED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
5. ALL BUTTRESSED FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.
6. CONCRETE SHALL HAVE A MINIMUM 7-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
7. IN ADDITION TO BUTTRESS, ALL JOINTS SURROUNDING BENDS SHALL BE RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS.

BUTTRESS FOR BENDS DETAIL
NO SCALE



ELEVATION

IMPERVIOUS SOIL SUMP DETAIL



ELEVATION

PLAN

PERVIOUS SOIL SUMP DETAIL

HYDRANT AND LEAD CONNECTION DETAIL
NO SCALE

2

N

PAGENKOPF
SPRING ST

MISKIMINS
SPRING ST

LESCEWSKI
RING ST

S. SPRING STREET

JUSTMANN PROPERTIES LLC
627 S SPRING ST

LAO YANG
110 E DAVIS ST

SHARON VLACH
112 E DAVIS ST

ZANE AND MARY NEAL
114 E DAVIS ST

MICHAEL PEARSALL
116 E DAVIS ST

MABEL AND ORVILLE
HELMER
122 E DAVIS ST

ANTON
124 E DA

KEITH HEBL
106 E DAVIS ST

PAUL SUTOR
631 S SPRING ST

STEPS (3)
STEPS (5)
STEP (1)
STEPS (5) WITH METAL RAILING
PP W/LIGHT CABINET METER
STUMP 30"-36"
STEPS (4)
STEPS (2)
EXISTING R/W
GRASS
ASPH.
CONC.
GRAV.

W. DAVIS STREET
E. DAVIS STREET
DRILLED DOWEL BARS REQ'D.
STA. 22+71
STA. 22+72
STA. 22+73
22+00
23+00
24+00
25+00
26+00
27+00
MATCH LINE STA. 27+50

32' LT.
24' LT.
24' LT.
28' LT.
23' LT.
26' LT.
23' LT.
23' LT.
24' LT.
25' LT.
23' LT.
24' LT.
D-30
INTEGRAL

863.90	863.51	2%	863.11	862.72	862.33	861.93	861.54	861.15	860.75	860.36	11'	859.96	859.57	2%	859.18	2%	858.78	858.45	2%	858.21	858.06	2%	858.00	858.03	2%
863.68	863.29		862.89	862.50	862.11	861.71	861.32	860.93	860.53	860.14		859.74	859.35		858.96		858.56	858.23		857.99	857.84		857.78	857.81	
863.51	863.04	4%	862.57	862.18	861.79	861.39	861.00	860.61	860.21	859.82	6'	859.42	859.03	4%	858.64	3%	858.32	858.07	2%	857.83	857.68	2%	(LP) 857.55	857.64	2%

31' RT.
29' RT.
31' RT.
30' RT.
28' RT.
31' RT.
30' RT.
30' RT.
31' RT.
29' RT.
29' RT.
30' RT.
D-30
INTEGRAL

5' SIDEWALK TAPER
HES

STEPS (2) WITH METAL RAILING
STEPS (3) WITH METAL RAILING
STEPS (3)
STEP (1)
STEPS (4)
STEPS (5)
STEPS (3)
W/ LIGHT
GRAV.

GREENFATHER FIVE LLC
701 S SPRING ST

KIM SWAN
109HLF E DAVIS ST

TIMOTHY AND JESSICA
CZARNIK
111 E DAVIS ST

JEFFREY TREPANIER
113 E DAVIS ST

RICHARD HOWLAND
705 S SPRING ST

LESLIE AND ROGER WALTER
709 S SPRING ST

D NANCY
WICK
RING ST

SCHUSTER
PRING ST

ZALDANA
PRING ST

PAVING DETAIL NOTES

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

PAVING DETAIL LEGEND

- CONCRETE DRIVEWAY 6-INCH OVER 6-INCHES BASE AGGREGTE DENSE 1 1/4-INCH
- CONCRETE SIDEWALK 6-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- (A) 3-INCHES ASPHALTIC DRIVEWAYS & FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- (G) 6-INCHES BASE AGGREGATE DENSE 3/4-INCH
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- LONGITUDINAL JOINT
- MANHOLE COVER
- INLET COVER
- WATER VALVE
- DRAINAGE DIRECTION
- SAWCUT REQUIRED

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PAVING DETAILS	SHEET 12	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\!CADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021202-pd
PLOT DATE : 9/17/2021 1:49 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

CURB & GUTTER RADIUS POINT TABLE					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
2A	16.0'	29+04.10	29.00' LT	720494.73	848264.35
2B	15.5'	29+63.90	28.50' LT	720494.08	848325.51
2C	25.0'	28+84.34	44.00' RT	720421.60	848245.10
2D	25.0'	29+73.44	44.00' RT	720421.20	848331.20
2E	15.0'	32+48.83	34.00' RT	720401.87	848603.97
2F	16.0'	33+10.28	35.00' RT	720394.17	848664.94

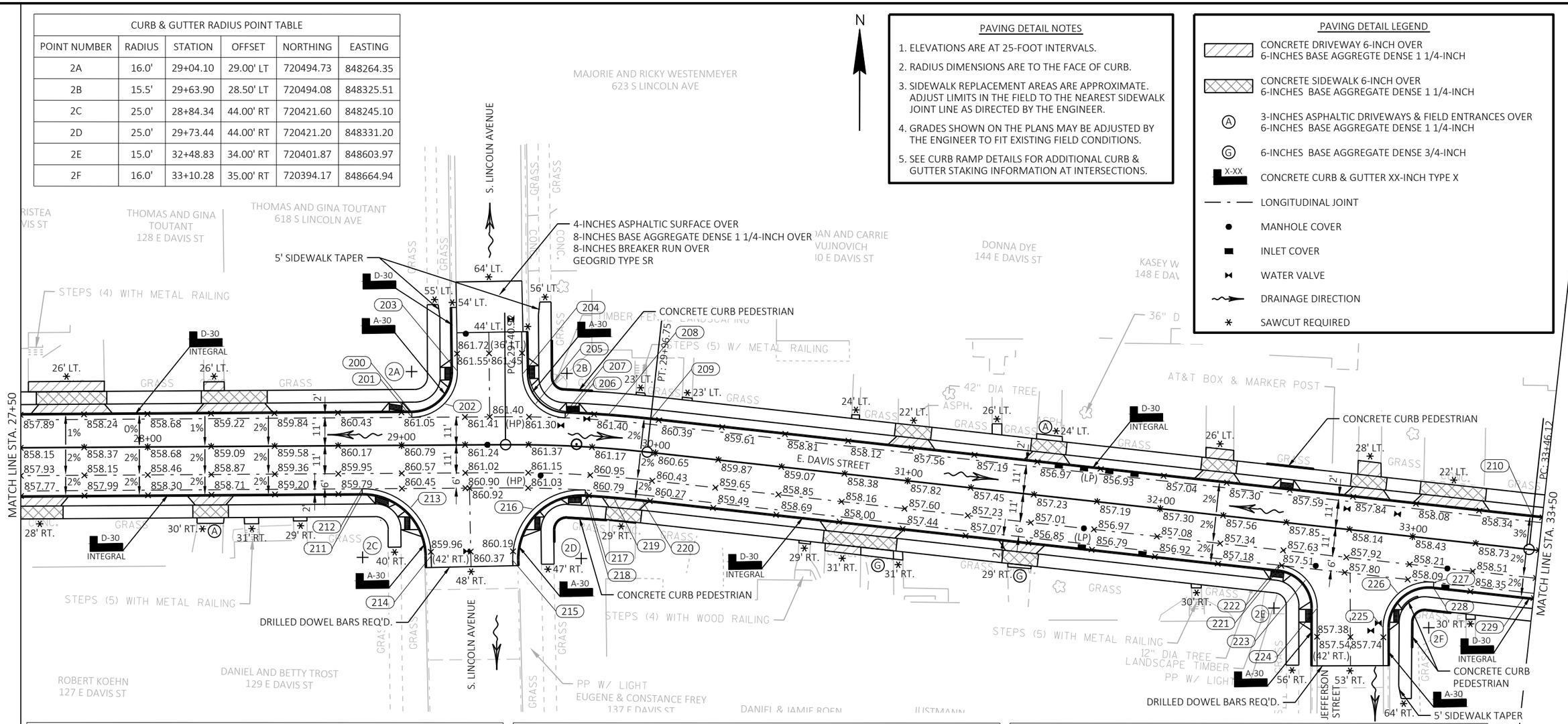
N

PAVING DETAIL NOTES

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

PAVING DETAIL LEGEND

- CONCRETE DRIVEWAY 6-INCH OVER 6-INCHES BASE AGGREGTE DENSE 1 1/4-INCH
- CONCRETE SIDEWALK 6-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- (A) 3-INCHES ASPHALTIC DRIVEWAYS & FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- (G) 6-INCHES BASE AGGREGATE DENSE 3/4-INCH
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- LONGITUDINAL JOINT
- MANHOLE COVER
- INLET COVER
- WATER VALVE
- DRAINAGE DIRECTION
- SAWCUT REQUIRED



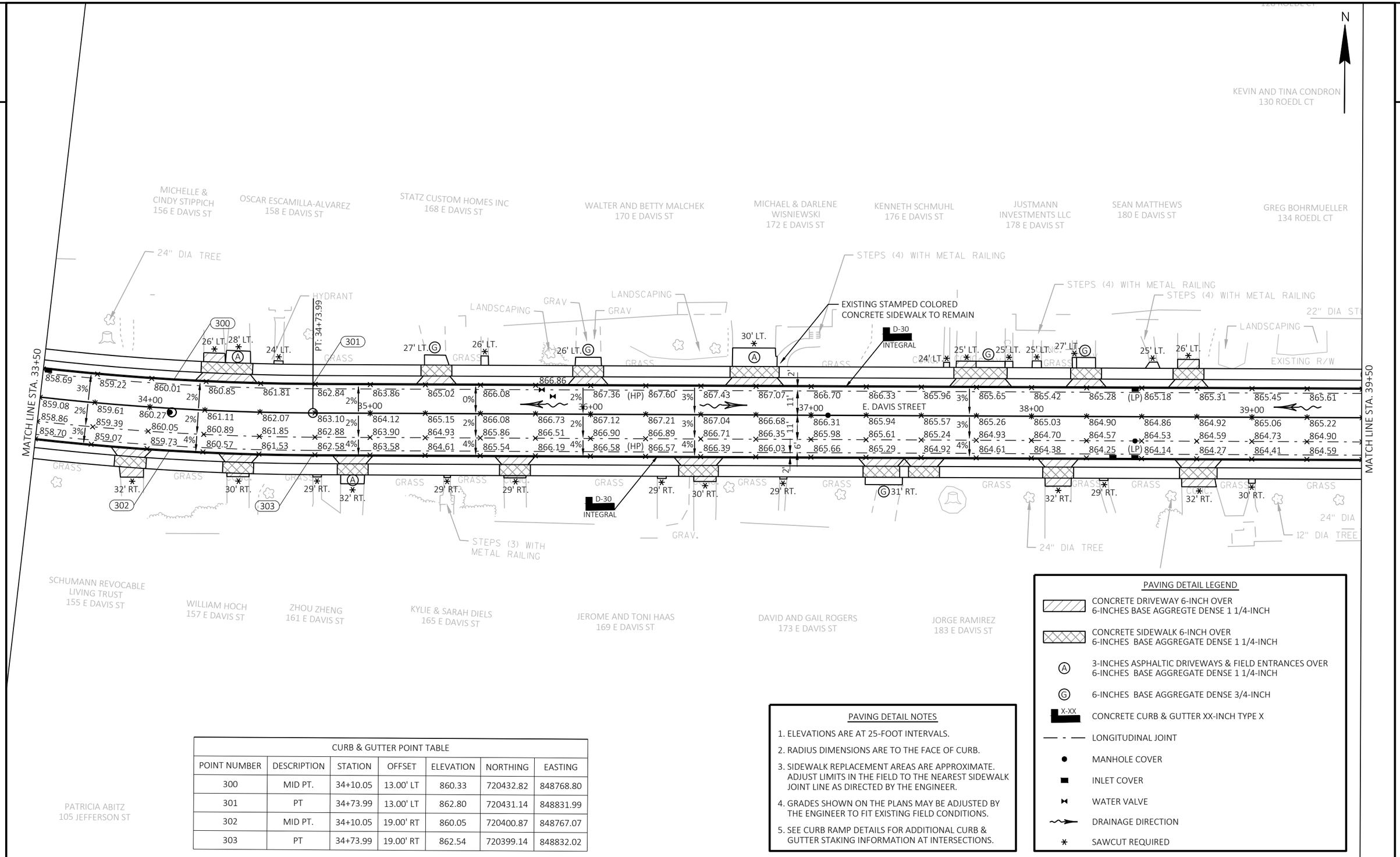
CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	END INTEGRAL	29+04.10	13.00' LT	861.14	720478.73	848264.46
201	PC/BEGIN GUTTER	29+04.10	11.00' LT	861.10	720476.73	848264.47
202	MID PT.	29+16.85	16.30' LT	861.32	720482.13	848277.19
203	PT	29+22.10	29.08' LT	861.47	720494.94	848282.34
204	PC	29+47.38	27.74' LT	861.37	720493.74	848308.01
205	MID PT.	29+52.29	15.90' LT	861.25	720481.84	848313.01
206	PT/END GUTTER	29+63.90	11.00' LT	861.18	720476.60	848324.79
207	PC	29+63.90	13.00' LT	861.16	720478.60	848324.88
208	MID PT.	29+80.33	13.00' LT	860.83	720477.62	848341.72
209	PT	29+96.75	13.00' LT	860.48	720476.07	848358.52

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
210	PC	33+46.12	13.00' LT	858.63	720437.98	848705.80
211	END INTEGRAL	28+84.34	19.00' RT	860.02	720446.59	848244.92
212	PC/BEGIN GUTTER	28+84.34	17.00' RT	860.06	720448.59	848244.91
213	MID PT.	29+03.28	24.76' RT	860.38	720440.97	848263.91
214	PT	29+11.33	43.57' RT	859.93	720422.21	848272.09
215	PC	29+43.70	45.51' RT	860.10	720420.50	848304.21
216	MID PT.	29+52.42	25.32' RT	860.67	720440.62	848312.44
217	PT/END GUTTER	29+73.44	17.00' RT	860.85	720448.16	848332.84
218	PC/BEGIN INTEGRAL	29+73.44	19.00' RT	860.81	720446.16	848332.72
219	MID PT.	29+85.09	19.00' RT	860.61	720445.34	848343.89

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
220	PT	29+96.75	19.00' RT	860.36	720444.26	848355.03
221	END INTEGRAL	32+48.83	19.00' RT	857.46	720416.78	848605.60
222	PC/BEGIN GUTTER	32+48.83	17.00' RT	857.50	720418.76	848605.82
223	MID PT.	32+60.18	21.34' RT	857.53	720413.21	848616.63
224	PT	32+65.73	32.15' RT	857.45	720401.87	848620.97
225	PC	32+92.40	37.04' RT	857.57	720394.10	848646.94
226	MID PT.	32+96.85	23.01' RT	857.90	720407.55	848652.90
227	PT/END GUTTER	33+10.28	17.00' RT	858.21	720412.07	848666.91
228	BEGIN INTEGRAL	33+10.28	19.00' RT	858.17	720410.08	848666.69
229	PC	33+46.12	19.00' RT	858.64	720406.17	848702.31

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PAVING DETAILS	SHEET 13	E

2



CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	MID PT.	34+10.05	13.00' LT	860.33	720432.82	848768.80
301	PT	34+73.99	13.00' LT	862.80	720431.14	848831.99
302	MID PT.	34+10.05	19.00' RT	860.05	720400.87	848767.07
303	PT	34+73.99	19.00' RT	862.54	720399.14	848832.02

PAVING DETAIL NOTES

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

PAVING DETAIL LEGEND

- CONCRETE DRIVEWAY 6-INCH OVER 6-INCHES BASE AGGREGTE DENSE 1 1/4-INCH
- CONCRETE SIDEWALK 6-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- (A) 3-INCHES ASPHALTIC DRIVEWAYS & FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- (G) 6-INCHES BASE AGGREGATE DENSE 3/4-INCH
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- LONGITUDINAL JOINT
- MANHOLE COVER
- INLET COVER
- WATER VALVE
- DRAINAGE DIRECTION
- SAWCUT REQUIRED

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PAVING DETAILS	SHEET 14	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021204-pd
PLOT DATE : 9/17/2021 1:49 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

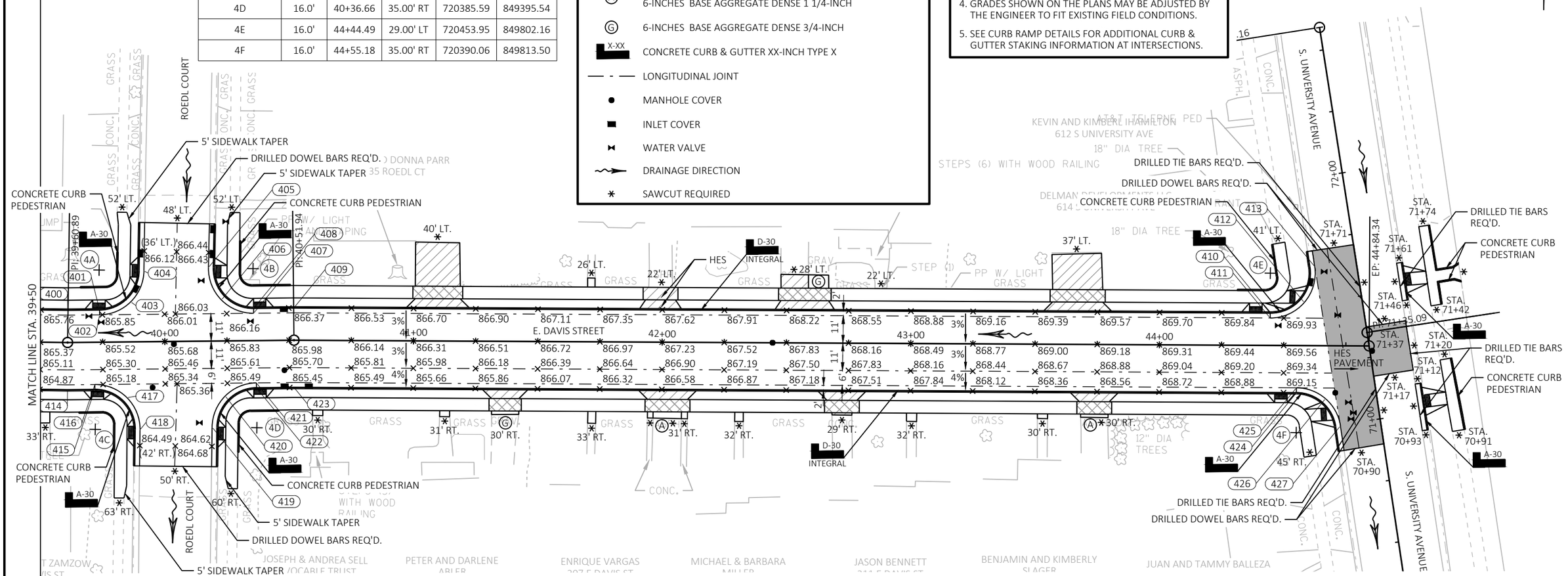
CURB & GUTTER RADIUS POINT TABLE					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
4A	16.0'	39+73.89	29.00' LT	720447.95	849331.15
4B	16.0'	40+35.84	29.00' LT	720449.55	849393.08
4C	16.0'	39+71.66	35.00' RT	720383.92	849330.57
4D	16.0'	40+36.66	35.00' RT	720385.59	849395.54
4E	16.0'	44+44.49	29.00' LT	720453.95	849802.16
4F	16.0'	44+55.18	35.00' RT	720390.06	849813.50

PAVING DETAIL LEGEND

- CONCRETE DRIVEWAY 6-INCH OVER 6-INCHES BASE AGGREGTE DENSE 1 1/4-INCH
- CONCRETE SIDEWALK 6-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- Ⓐ 3-INCHES ASPHALTIC DRIVEWAYS & FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- Ⓖ 6-INCHES BASE AGGREGATE DENSE 3/4-INCH
- X-XX CONCRETE CURB & GUTTER XX-INCH TYPE X
- LONGITUDINAL JOINT
- MANHOLE COVER
- INLET COVER
- WATER VALVE
- DRAINAGE DIRECTION
- SAWCUT REQUIRED

PAVING DETAIL NOTES

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



CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	BEND PT.	39+61.05	13.00' LT	865.82	720431.63	849318.73
401	END INTEGRAL	39+73.89	13.00' LT	865.91	720431.96	849331.56
402	PC/BEGIN GUTTER	39+73.89	11.00' LT	865.85	720429.96	849331.61
403	MID PT.	39+86.45	16.11' LT	865.93	720435.39	849344.04
404	PT	39+91.88	28.54' LT	866.01	720447.95	849349.15
405	PC	40+17.85	29.55' LT	866.38	720449.63	849375.08
406	MID PT.	40+22.92	16.47' LT	866.28	720436.68	849380.49
407	PT/END GUTTER	40+35.84	11.00' LT	866.23	720431.55	849393.55
408	BEGIN INTEGRAL	40+35.84	13.00' LT	866.29	720433.55	849393.49
409	BEND PT.	40+51.94	13.00' LT	866.38	720433.97	849409.69

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
410	END INTEGRAL	44+44.49	13.00' LT	870.10	720437.95	849802.32
411	PC/BEGIN GUTTER	44+44.49	11.00' LT	869.89	720435.95	849802.34
412	MID PT.	44+58.16	17.29' LT	870.01	720442.37	849815.94
413	PT	44+62.28	31.76' LT	870.43	720456.88	849819.92
414	BEND PT.	39+60.89	19.00' RT	865.04	720399.63	849319.16
415	END INTEGRAL	39+71.66	19.00' RT	865.12	720399.91	849330.16
416	PC/BEGIN GUTTER	39+71.66	17.00' RT	865.16	720401.91	849330.11
417	MID PT.	39+84.53	22.41' RT	865.03	720396.83	849343.11
418	PT	39+89.65	35.40' RT	864.65	720383.98	849348.57
419	PC	40+18.66	34.59' RT	864.86	720385.53	849377.54

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
420	MID PT.	40+24.07	22.13' RT	865.30	720398.13	849382.63
421	PT/END GUTTER	40+36.66	17.00' RT	865.56	720403.58	849395.08
422	BEGIN INTEGRAL	40+36.66	19.00' RT	865.52	720401.58	849395.13
423	BEND PT.	40+52.08	19.00' RT	865.44	720401.97	849410.26
424	END INTEGRAL	44+55.18	19.00' RT	869.21	720406.06	849813.33
425	PC/BEGIN GUTTER	44+55.18	17.00' RT	869.25	720408.06	849813.31
426	MID PT.	44+66.89	21.33' RT	869.01	720403.85	849825.06
427	PT	44+72.96	32.23' RT	868.52	720393.01	849831.25

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PAVING DETAILS	SHEET 15	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021205-pd
PLOT DATE : 9/17/2021 1:49 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

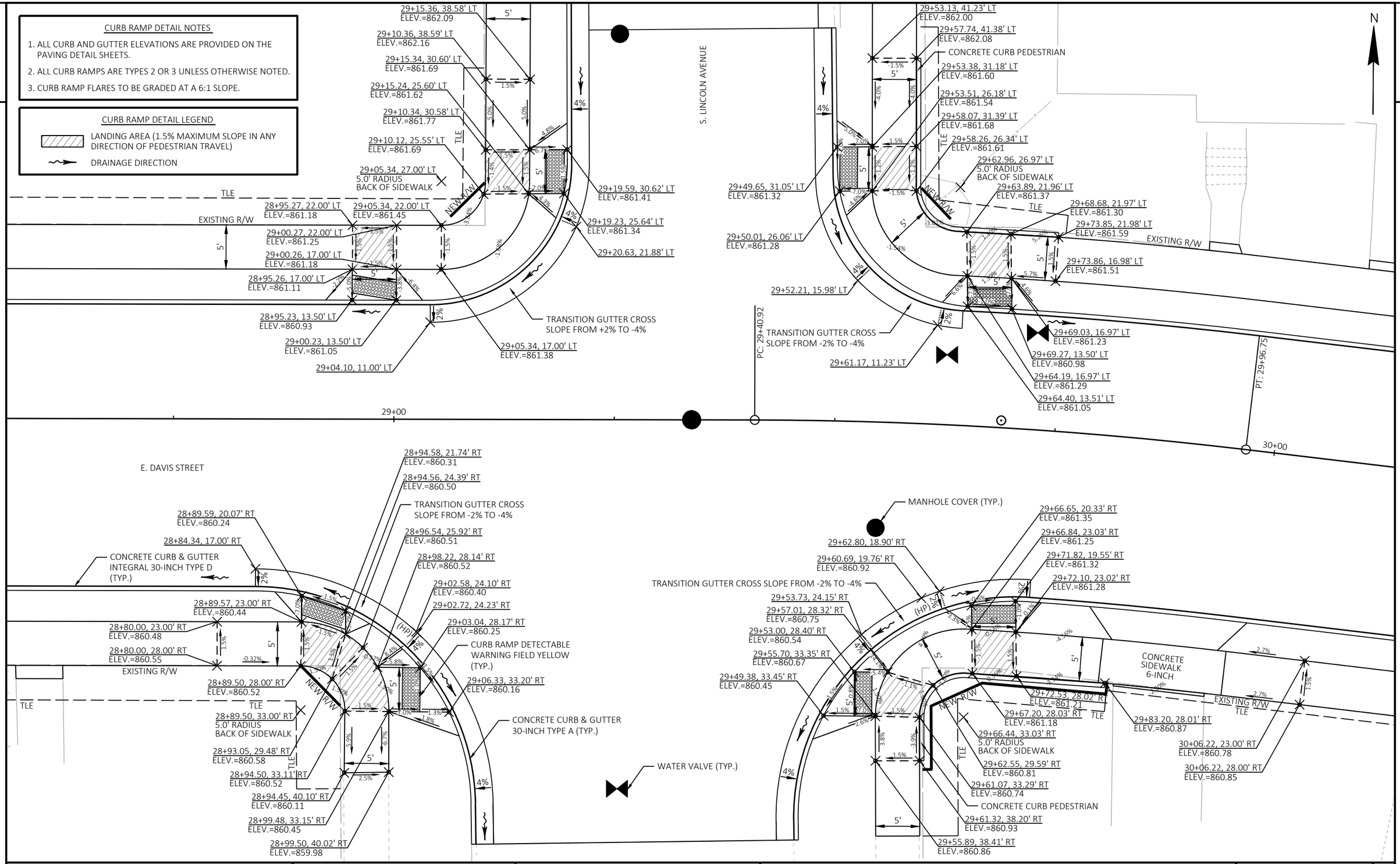
CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. CURB RAMP FLARES TO BE GRADED AT A 6:1 SLOPE.

CURB RAMP DETAIL LEGEND

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

DRAINAGE DIRECTION



PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CURB RAMP DETAILS: E. DAVIS STREET & S. LINCOLN AVENUE INTERSECTION	SHEET 16	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\!CADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021301-cr

PLOT DATE : 7/27/2021 10:39 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

2

N

TLE

CONCRETE SIDEWALK 6-INCH

5'

32+46.02, 22.00' LT
ELEV.=857.67

32+51.03, 22.00' LT
ELEV.=857.72

CONCRETE CURB PEDESTRIAN

32+58.38, 22.00' LT
ELEV.=858.24

NEW R/W

EXISTING R/W

32+39.69, 22.00' LT
ELEV.=858.12

32+39.71, 17.00' LT
ELEV.=858.04

32+58.43, 17.00' LT
ELEV.=858.17

-7.0%
-1.5%
1.5%
1.0%
7.0%

32+46.05, 17.00' LT
ELEV.=857.60

32+46.07, 13.50' LT
ELEV.=857.49

32+51.04, 17.00' LT
ELEV.=857.65

32+51.06, 13.50' LT
ELEV.=857.54

CURB RAMP DETECTABLE WARNING FIELD YELLOW (TYP.)

CONCRETE SIDEWALK 6-INCH

CONCRETE SIDEWALK 6-INCH

NEW R/W

32+00

33+00

WATER VALVE (TYP.)

PC: 33+46.12

E. DAVIS STREET

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D (TYP.)

32+51.18, 19.69' RT
ELEV.=857.49

32+51.19, 23.36' RT
ELEV.=857.74

32+46.18, 19.50' RT
ELEV.=857.43

32+46.19, 23.00' RT
ELEV.=857.67

32+54.87, 18.11' RT

32+56.83, 19.00' RT
ELEV.=857.55

32+53.90, 24.57' RT
ELEV.=857.77

TRANSITION GUTTER CROSS SLOPE FROM -2% TO -4%

32+41.21, 23.00' RT
ELEV.=857.89

32+41.21, 28.00' RT
ELEV.=857.96

32+63.29, 25.06' RT

32+58.63, 33.41' RT
ELEV.=857.70

32+46.21, 28.00' RT
ELEV.=857.75

32+63.30, 32.91' RT
ELEV.=857.37

32+51.21, 28.79' RT
ELEV.=857.82

32+59.17, 38.38' RT
ELEV.=857.67

32+48.52, 33.00' RT
5.0' RADIUS
BACK OF SIDEWALK

32+63.84, 37.88' RT
ELEV.=857.34

32+53.65, 33.95' RT
ELEV.=857.77

32+54.20, 38.92' RT
ELEV.=857.74

CONCRETE CURB & GUTTER 30-INCH TYPE A (TYP.)

32+54.75, 43.89' RT
ELEV.=857.98

32+59.72, 43.34' RT
ELEV.=857.90

JEFFERSON STREET

33+10.28, 17.00' RT

MANHOLE COVER (TYP.)

TRANSITION GUTTER CROSS SLOPE FROM -2% TO -4%

INLET COVER (TYP.)

33+00.63, 19.80' RT

CONCRETE CURB PEDESTRIAN

33+00.96, 26.30' RT
ELEV.=857.77

32+99.20, 29.05' RT
ELEV.=857.76

32+95.82, 29.42' RT
ELEV.=857.59

32+98.45, 34.16' RT
ELEV.=857.68

32+94.79, 34.56' RT
ELEV.=857.51

33+04.82, 23.66' RT

33+18.38, 23.00' RT
ELEV.=858.83

33+04.67, 29.65' RT
ELEV.=857.82

33+08.38, 33.00' RT
5.0' RADIUS
BACK OF SIDEWALK

33+18.38, 28.00' RT
ELEV.=858.91

33+03.42, 33.63' RT
ELEV.=857.75

CONCRETE CURB PEDESTRIAN

33+04.45, 43.57' RT
ELEV.=858.11

32+99.48, 44.09' RT
ELEV.=858.03

CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. CURB RAMP FLARES TO BE GRADED AT A 6:1 SLOPE.

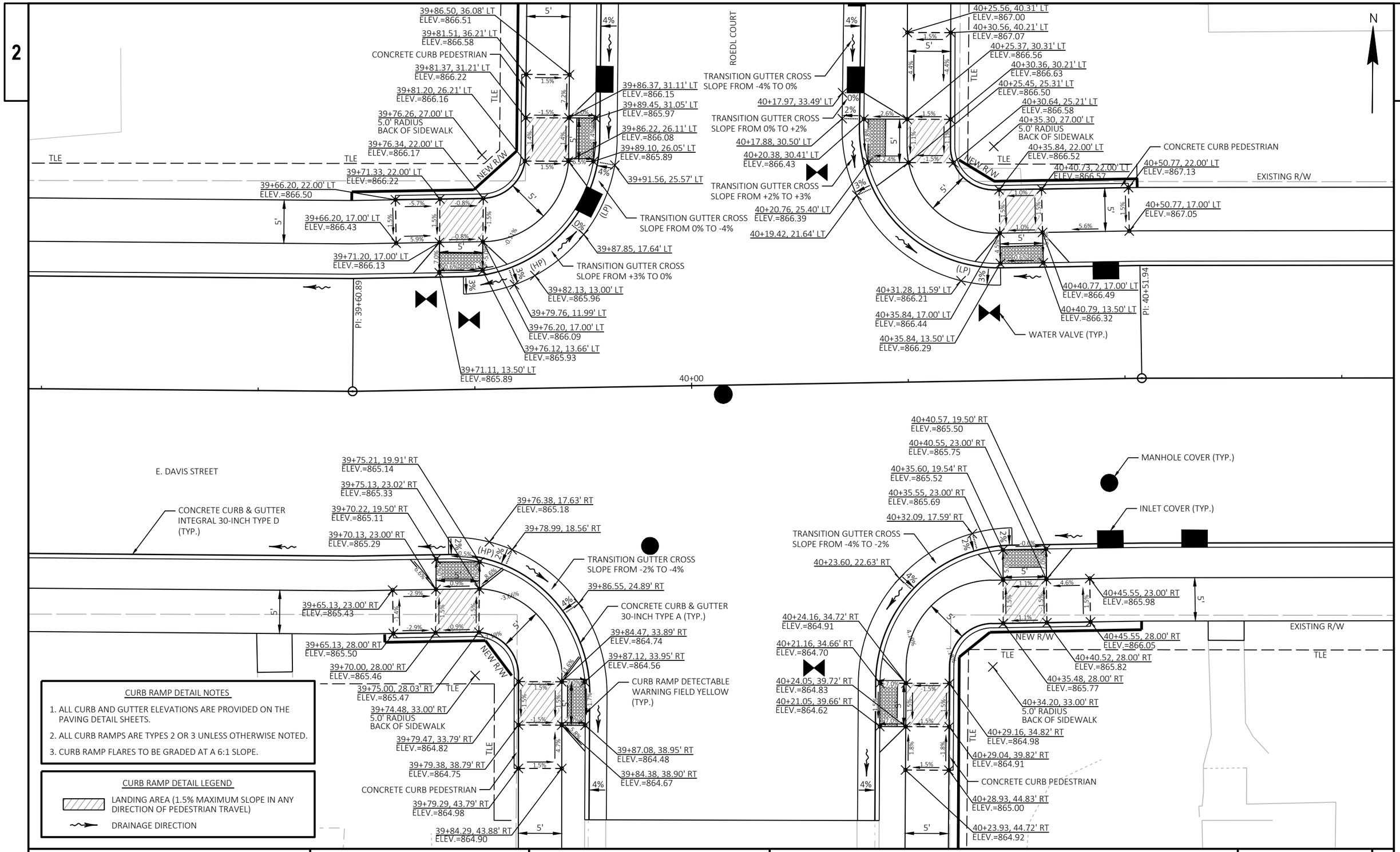
CURB RAMP DETAIL LEGEND

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

DRAINAGE DIRECTION

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CURB RAMP DETAILS: E. DAVIS STREET & JEFFERSON STREET INTERSECTION	SHEET 17	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\!CADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021302-cr
PLOT DATE : 7/27/2021 10:39 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CURB RAMP DETAILS: E. DAVIS STREET & ROEDL COURT INTERSECTION	SHEET 18	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\!CADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021303-cr
PLOT DATE : 7/27/2021 10:40 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2

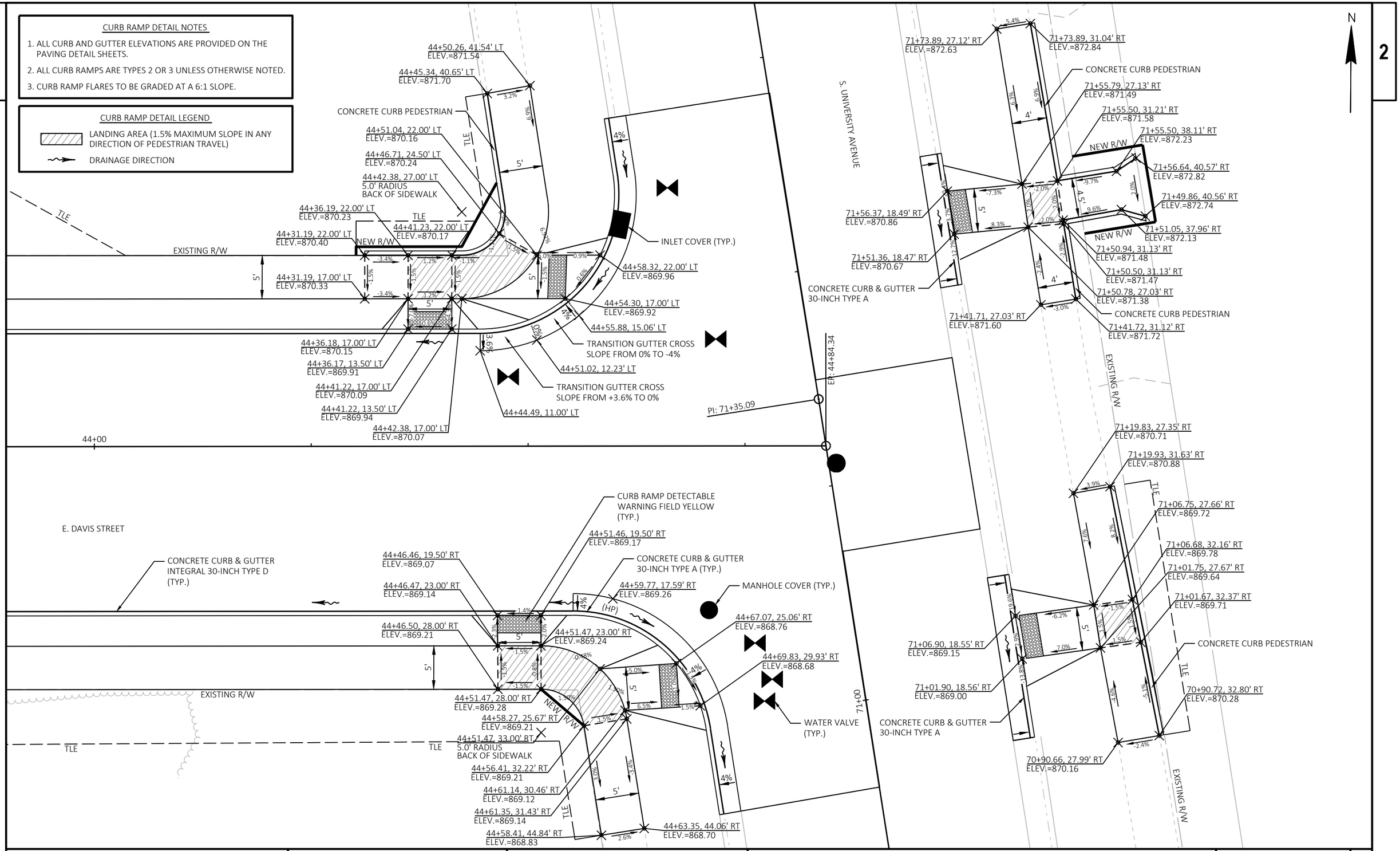
CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. CURB RAMP FLARES TO BE GRADED AT A 6:1 SLOPE.

CURB RAMP DETAIL LEGEND

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

DRAINAGE DIRECTION



PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CURB RAMP DETAILS: E. DAVIS STREET & S. UNIVERSITY AVENUE INTERSECTION	SHEET 19	E

2

N

W. DAVIS STREET

E. DAVIS STREET

S. SPRING STREET

22+00 23+00 24+00 25+00 26+00 27+00

MATCH LINE STA. 27+50

PAGENKOPF
SPRING ST

MISKIMINS
SPRING ST

LESCEWSKI
RING ST

D NANCY
WICK
RING ST

SCHUSTER
PRING ST

ZALDANA
PRING ST

JUSTMANN PROPERTIES LLC
627 S SPRING ST

PAUL SUTOR
631 S SPRING ST

KEITH HEBL
106 E DAVIS ST

LAO YANG
110 E DAVIS ST

SHARON VLACH
112 E DAVIS ST

ZANE AND MARY NEAL
114 E DAVIS ST

MICHAEL PEARSALL
116 E DAVIS ST

MABEL AND ORVILLE
HELMER
122 E DAVIS ST

ANTON C
124 E DA

GREENFATHER FIVE LLC
701 S SPRING ST

KIM SWAN
109HLF E DAVIS ST

TIMOTHY AND JESSICA
CZARNIK
111 E DAVIS ST

JEFFREY TREPANIER
113 E DAVIS ST

CHRISTOPHER POSTHUMA
121 E DAVIS ST

BEVERLY AND ANDREW WEINHEIMER
125 E DAVIS ST

RICHARD HOWLAND
705 S SPRING ST

LESLIE AND ROGER WALTER
709 S SPRING ST

STEPS (3)
STEP (1)
STEPS (5)
STEPS (5) WITH METAL RAILING
STUMP 30"-36"
PP W/LIGHT CABINET METER
STEPS (4)
STEPS (2)
STEPS (2) WITH METAL RAILING
STEPS (3) WITH METAL RAILING
STEPS (5)
STEPS (3)
PP W/ LIGHT
STEPS (4)
EXISTING R/W

(FIRST INLETS SOUTH
OF E. DAVIS STREET)

EROSION CONTROL LEGEND

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

NOTE: ALL DISTURBED GRASS AREAS BEHIND THE SIDEWALK SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SOD LAWN & FERTILIZER TYPE B.

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	EROSION CONTROL	SHEET 20	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001-ec
PLOT DATE : 7/22/2021 5:10 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

(APPROX. 230' NORTH OF EAST DAVIS STREET)

(APPROX. 150' NORTH OF EAST DAVIS STREET)

DANIELLE AND RICKY WESTENMEYER
623 S LINCOLN AVE

S. LINCOLN AVENUE

THOMAS AND GINA TOUTANT
618 S LINCOLN AVE

THOMAS AND GINA TOUTANT
128 E DAVIS ST

136 E DAVIS ST
136 E DAVIS ST

JORDAN AND CARRIE VUJNOVICH
140 E DAVIS ST

DONNA DYE
144 E DAVIS ST

KASEY WILLIS
148 E DAVIS ST

PETER AND TAMMI STEGNER
150 E DAVIS ST

JASON LUECK
152 E DAVIS ST

STEPS (4) WITH METAL RAILING

TIMBER FENCE LANDSCAPING

STEPS (5) W/ METAL RAILING

36" DIA TREE

42" DIA TREE

AT&T BOX & MARKER POST

PC: 29+40.92

PT: 29+96.75

PC: 33+46.12

MATCH LINE STA. 27+50

28+00

29+00

30+00

31+00

32+00

33+00

E. DAVIS STREET

CURB RAMP

MATCH LINE STA. 33+50

STEPS (5) WITH METAL RAILING

STEPS (4) WITH WOOD RAILING

STEPS (5) WITH METAL RAILING

12" DIA TREE
LANDSCAPE TIMBER

PP W/ LIGHT

PP W/ LIGHT
EUGENE & CONSTANCE FREY
137 E DAVIS ST

ROBERT KOEHN
127 E DAVIS ST

DANIEL AND BETTY TROST
129 E DAVIS ST

S. LINCOLN AVENUE

DANIEL & JAMIE ROEN
139 E DAVIS ST

JUSTMANN INVESTMENTS LLC
143 E DAVIS ST

DUSTIN PARKHURST
145 E DAVIS ST

RUSSELL AND SANDRA ZIESKE
147 E DAVIS ST

JEFFERSON STREET

JAMIE LYNN THOMPSON
153 E DAVIS ST

(APPROX. 225' SOUTH OF EAST DAVIS STREET)

(NORTH SIDE OF BROOK STREET INTERSECTION)

EROSION CONTROL LEGEND

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

NOTE: ALL DISTURBED GRASS AREAS BEHIND THE SIDEWALK SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SOD LAWN & FERTILIZER TYPE B.

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	EROSION CONTROL	SHEET 21	E

2

N

MICHELLE & CINDY STIPPICH
156 E DAVIS ST

OSCAR ESCAMILLA-ALVAREZ
158 E DAVIS ST

STATZ CUSTOM HOMES INC
168 E DAVIS ST

WALTER AND BETTY MALCHEK
170 E DAVIS ST

MICHAEL & DARLENE WISNIEWSKI
172 E DAVIS ST

KENNETH SCHMUHL
176 E DAVIS ST

JUSTMANN INVESTMENTS LLC
178 E DAVIS ST

SEAN MATTHEWS
180 E DAVIS ST

GREG BOHRMUELLER
134 ROEDL CT

KEVIN AND TINA CONDRON
130 ROEDL CT

MATCH LINE STA. 33+50

MATCH LINE STA. 39+50

34+00 35+00 36+00 37+00 38+00 39+00

E. DAVIS STREET

24" DIA TREE

HYDRANT

PT: 34+73.99

STEPS (4) WITH METAL RAILING

STEPS (4) WITH METAL RAILING

STEPS (4) WITH METAL RAILING

22" DIA ST

LANDSCAPING

LANDSCAPING

LANDSCAPING

GRAV

GRAV

EXISTING R/W

STEPS (3) WITH METAL RAILING

24" DIA TREE

12" DIA TREE

12" DIA TREE

24" DIA

12" DIA TREE

SCHUMANN REVOCABLE LIVING TRUST
155 E DAVIS ST

WILLIAM HOCH
157 E DAVIS ST

ZHOU ZHENG
161 E DAVIS ST

KYLIE & SARAH DIELS
165 E DAVIS ST

JEROME AND TONI HAAS
169 E DAVIS ST

DAVID AND GAIL ROGERS
173 E DAVIS ST

JORGE RAMIREZ
183 E DAVIS ST

JORGE RAMIREZ
183 E DAVIS ST

RYAN THOMAS
185 E DAVIS ST

LINDA & ROBE
187 E DA

LOUIS AND SANDRA EVRAETS

EROSION CONTROL LEGEND

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

NOTE: ALL DISTURBED GRASS AREAS BEHIND THE SIDEWALK SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SOD LAWN & FERTILIZER TYPE B.

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	EROSION CONTROL	SHEET 22	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022003-ec
PLOT DATE : 7/22/2021 5:11 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

JEFFREY AND SANDRA BAIRD
129 ROEDL CT

JAMES AND FAYE SHERRON
604 S UNIVERSITY AVE

KIETH RABEHL
133 ROEDL CT

KENNETH AND SUSAN STROEDE
608 S UNIVERSITY AVE

ROEDL COURT

BRENDA MAHNKE
208 E DAVIS ST

MARY MARTIN
210 E DAVIS ST

KAILA KLAWES
212 E DAVIS ST

KIETH AND DONNA PARR
135 ROEDL CT

KEVIN AND KIMBERLI HAMILTON
612 S UNIVERSITY AVE

DELMAN DEVELOPMENTS LLC
614 S UNIVERSITY AVE

S. UNIVERSITY AVENUE

EP: 72+59.16

MATCH LINE STA. 39+50

PI: 39+60.89

PI: 40+51.94

HYDRANT

24" DIA STUMP

PP W/ LIGHT

STEPS (6) WITH WOOD RAILING

18" DIA TREE

40+00

41+00

42+00

43+00

44+00

PI: 71+35.09

EP: 44+84.34

PP W/LIGHT

GUY

E. DAVIS STREET

71+00

72+00

12" DIA TREES

STEPS (6) WITH WOOD RAILING

ROEDL COURT

JOSEPH & ANDREA SELL REVOCABLE TRUST
203 E DAVIS ST

PETER AND DARLENE ABLER
205 E DAVIS ST

ENRIQUE VARGAS
207 E DAVIS ST

MICHAEL & BARBARA MILLER
209 E DAVIS ST

JASON BENNETT
211 E DAVIS ST

BENJAMIN AND KIMBERLY SLAGER
213 E DAVIS ST

JUAN AND TAMMY BALLEZA
702 S UNIVERSITY AVE

S. UNIVERSITY AVENUE

BP: 70+00.00

(HOSPITAL DRIVEWAY)

(NORTH SIDE OF BROOK STREET INTERSECTION)

(NORTHWEST CORNER OF BROOK STREET INTERSECTION)

DELMAN DEVELOPMENT LLC

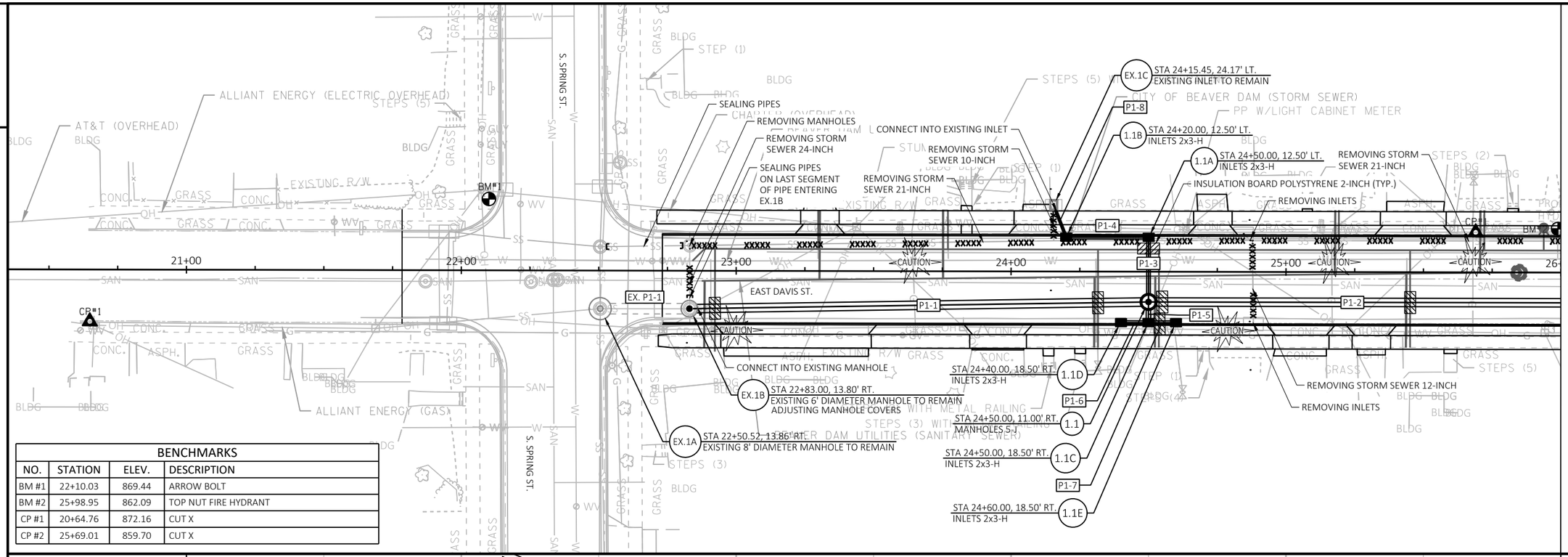
EROSION CONTROL LEGEND

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

NOTE: ALL DISTURBED GRASS AREAS BEHIND THE SIDEWALK SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SOD LAWN & FERTILIZER TYPE B.

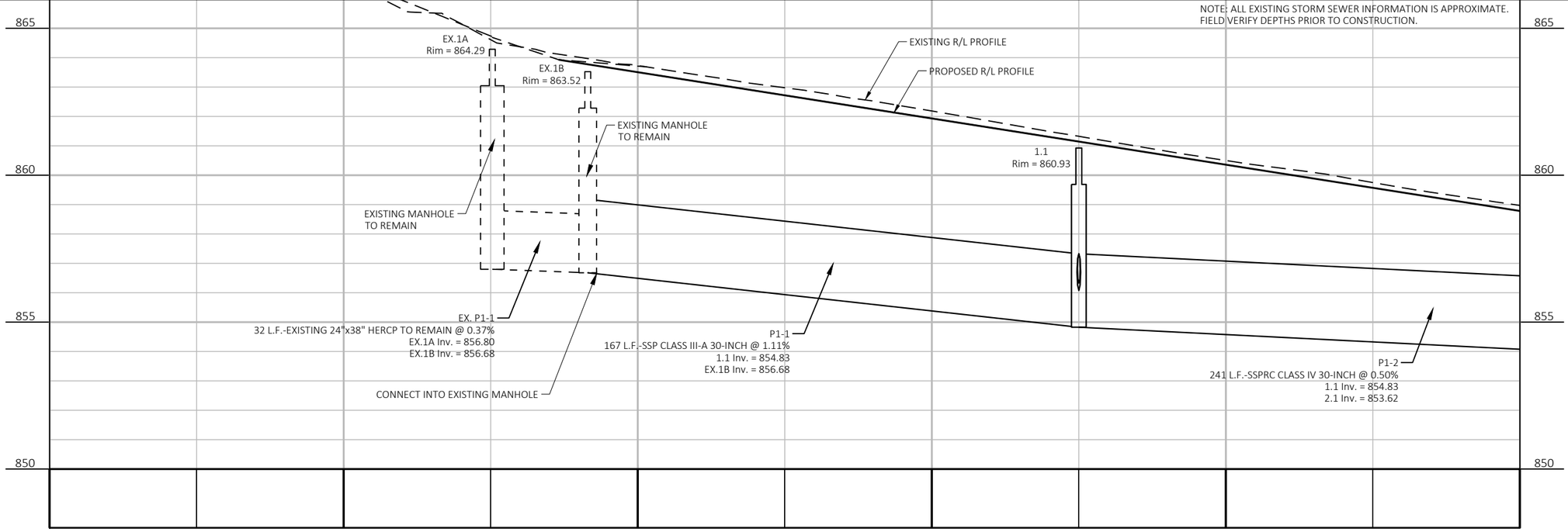
PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	EROSION CONTROL	SHEET 23	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec
PLOT DATE : 7/22/2021 5:11 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

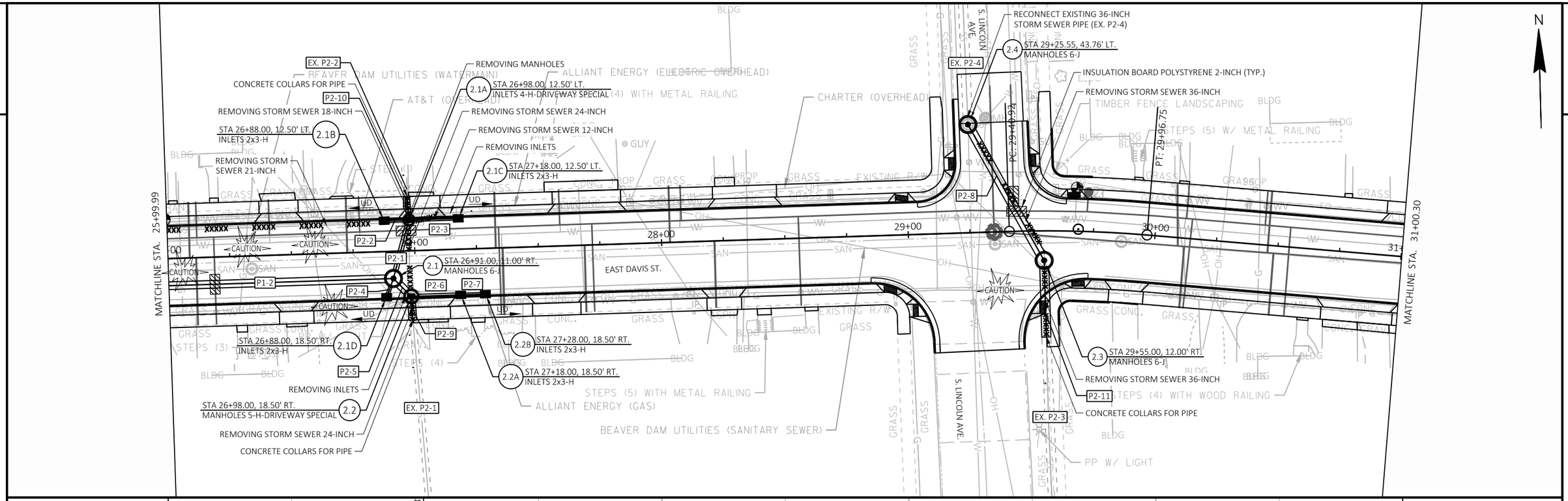


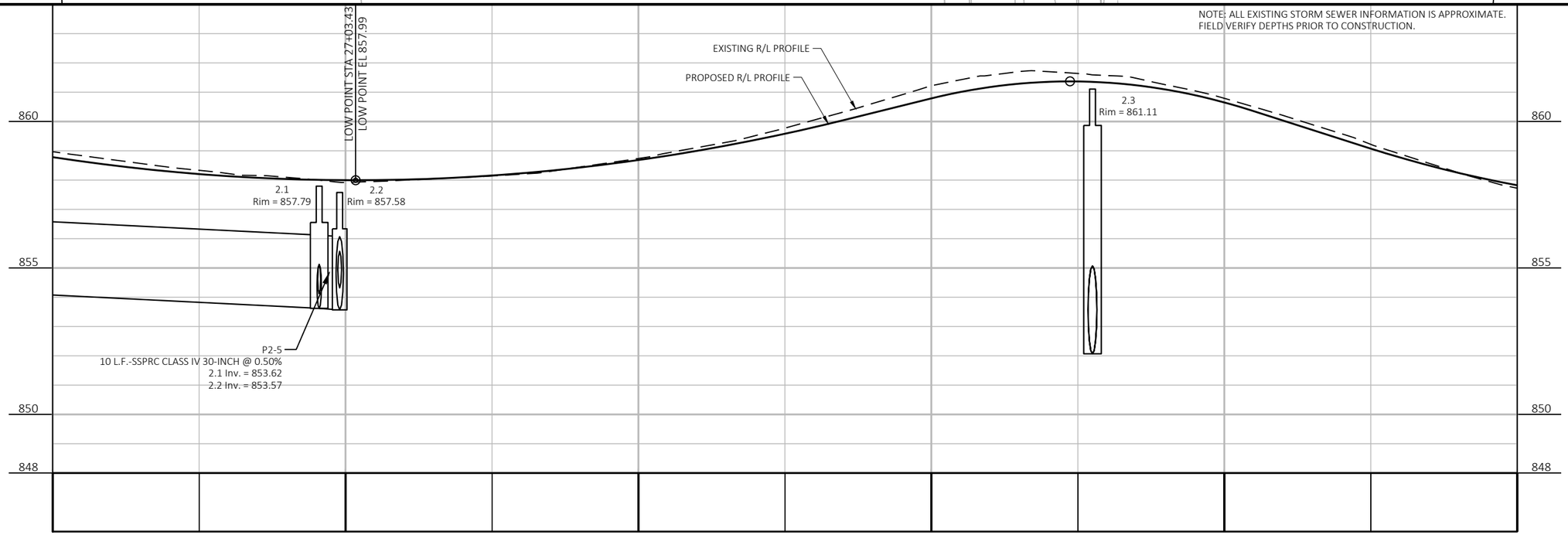
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #1	22+10.03	869.44	ARROW BOLT
BM #2	25+98.95	862.09	TOP NUT FIRE HYDRANT
CP #1	20+64.76	872.16	CUT X
CP #2	25+69.01	859.70	CUT X

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

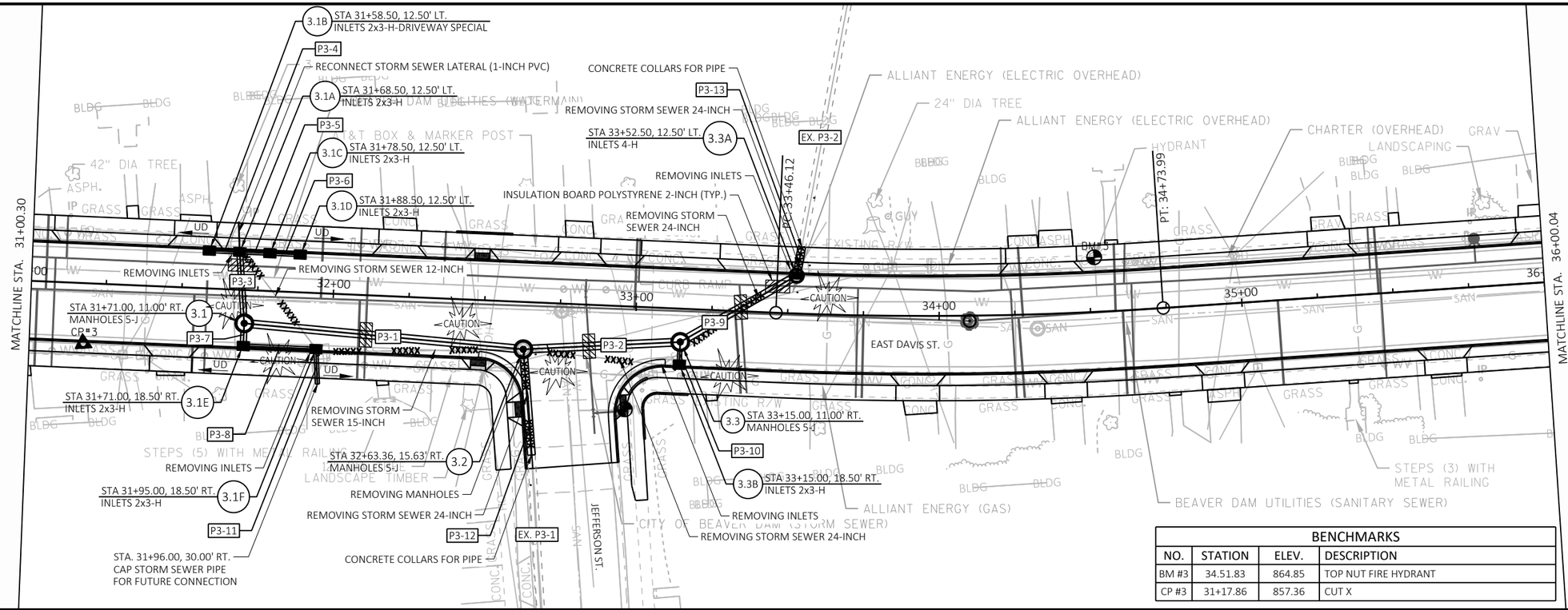


PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	STORM SEWER	SHEET 24	E

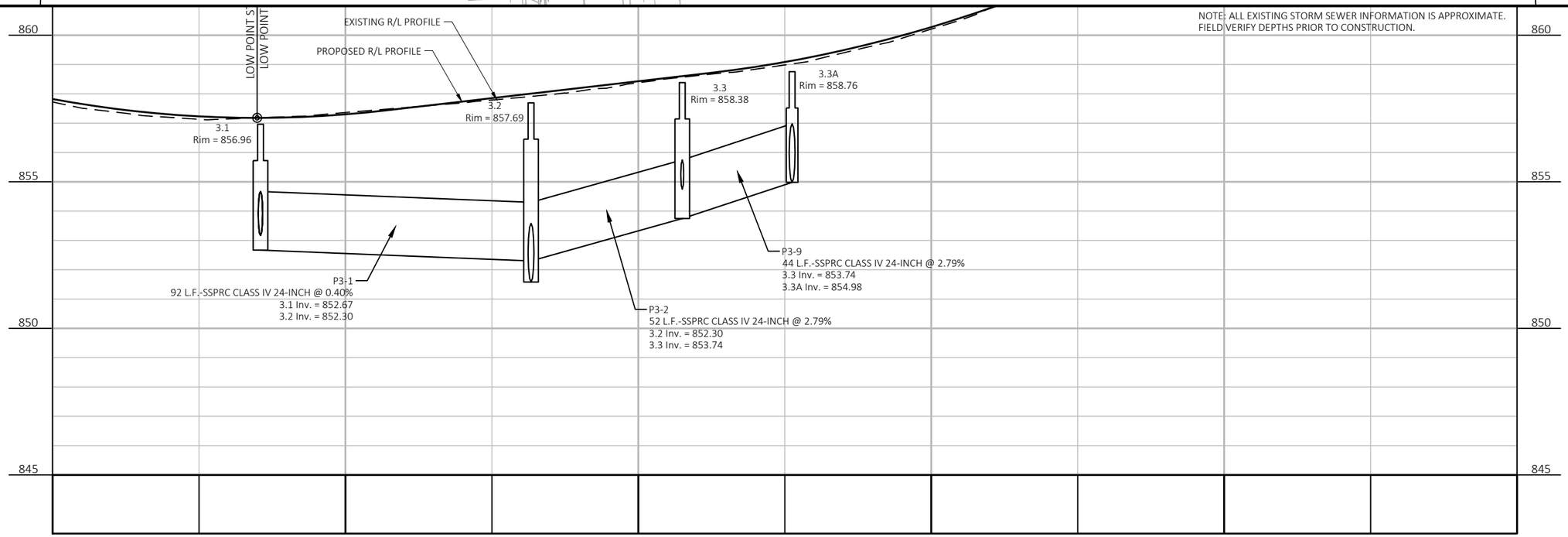




PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	STORM SEWER	SHEET 25	E

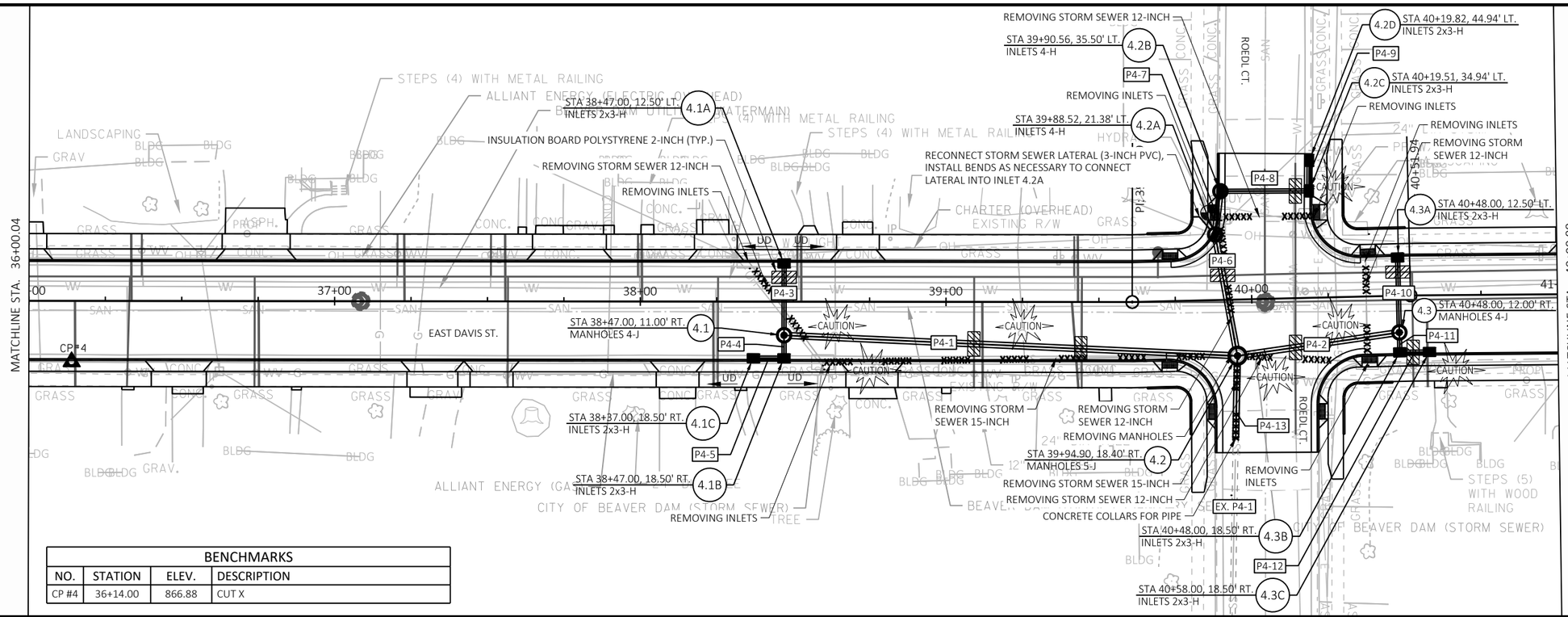


BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #3	34.51.83	864.85	TOP NUT FIRE HYDRANT
CP #3	31+17.86	857.36	CUT X

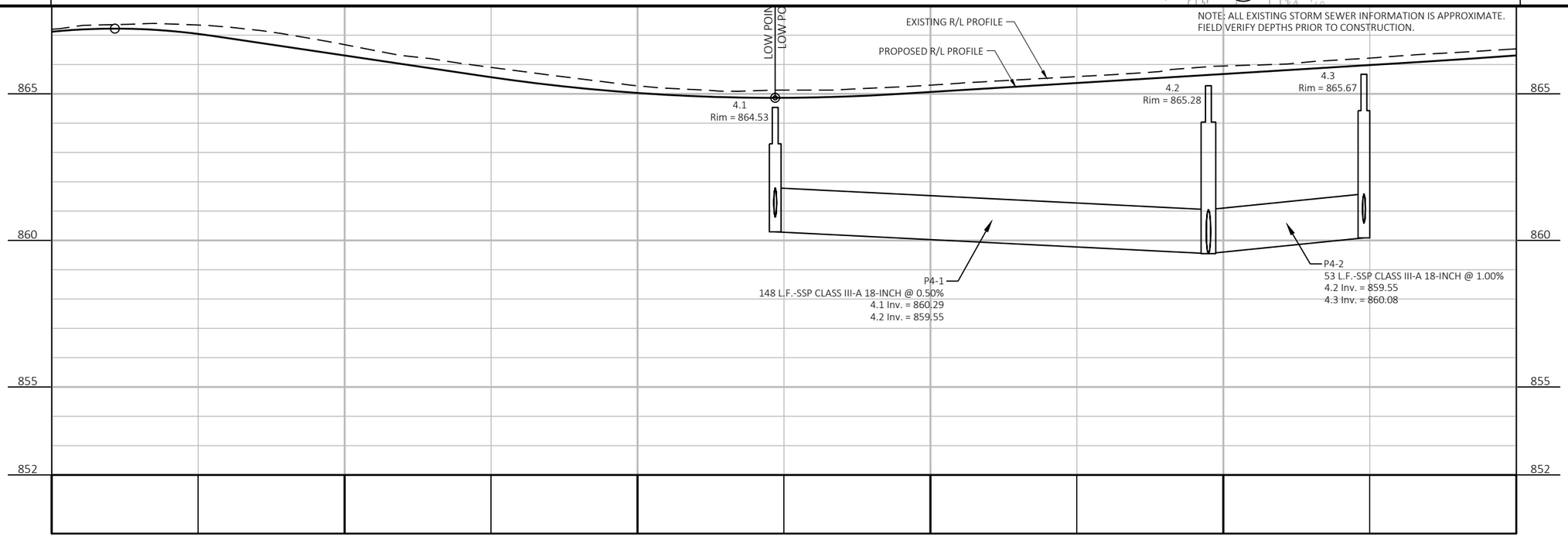


PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	STORM SEWER	SHEET 26	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\!CADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\STORM SEWER.DWG
LAYOUT NAME - 022503-ss
PLOT DATE : 9/19/2021 8:52 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

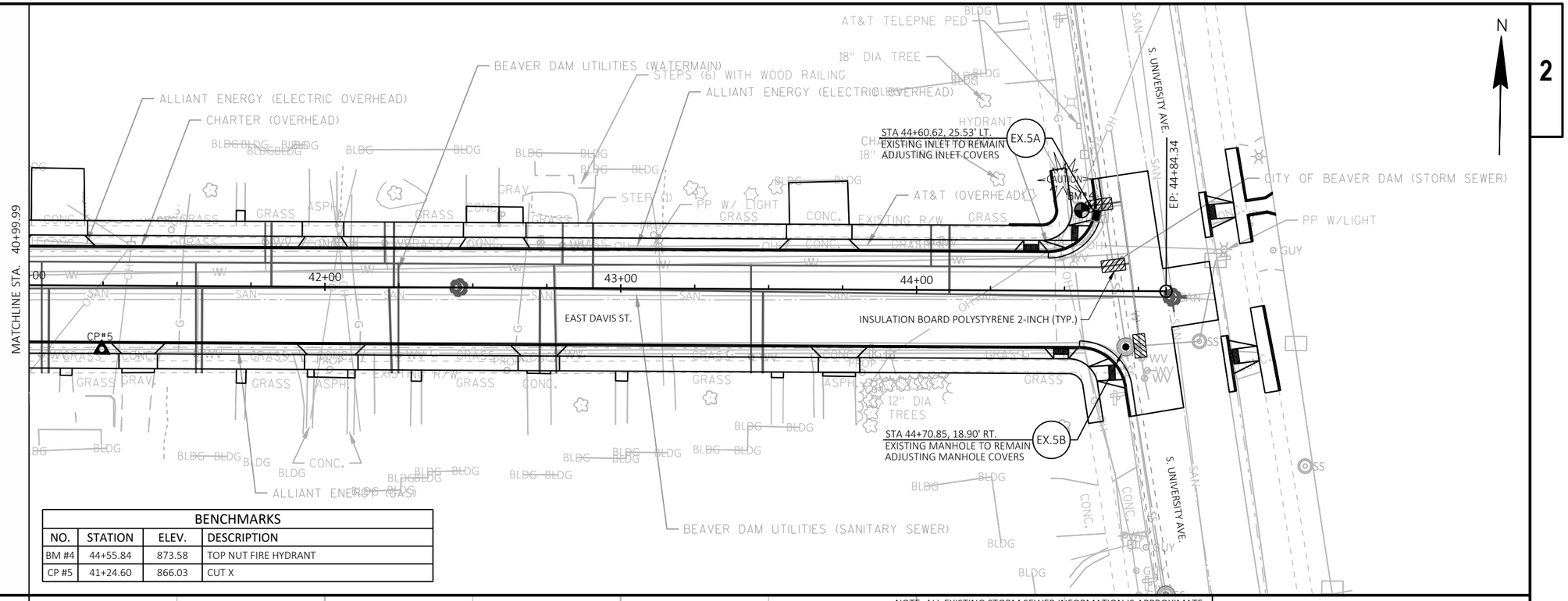


BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
CP #4	36+14.00	866.88	CUT X

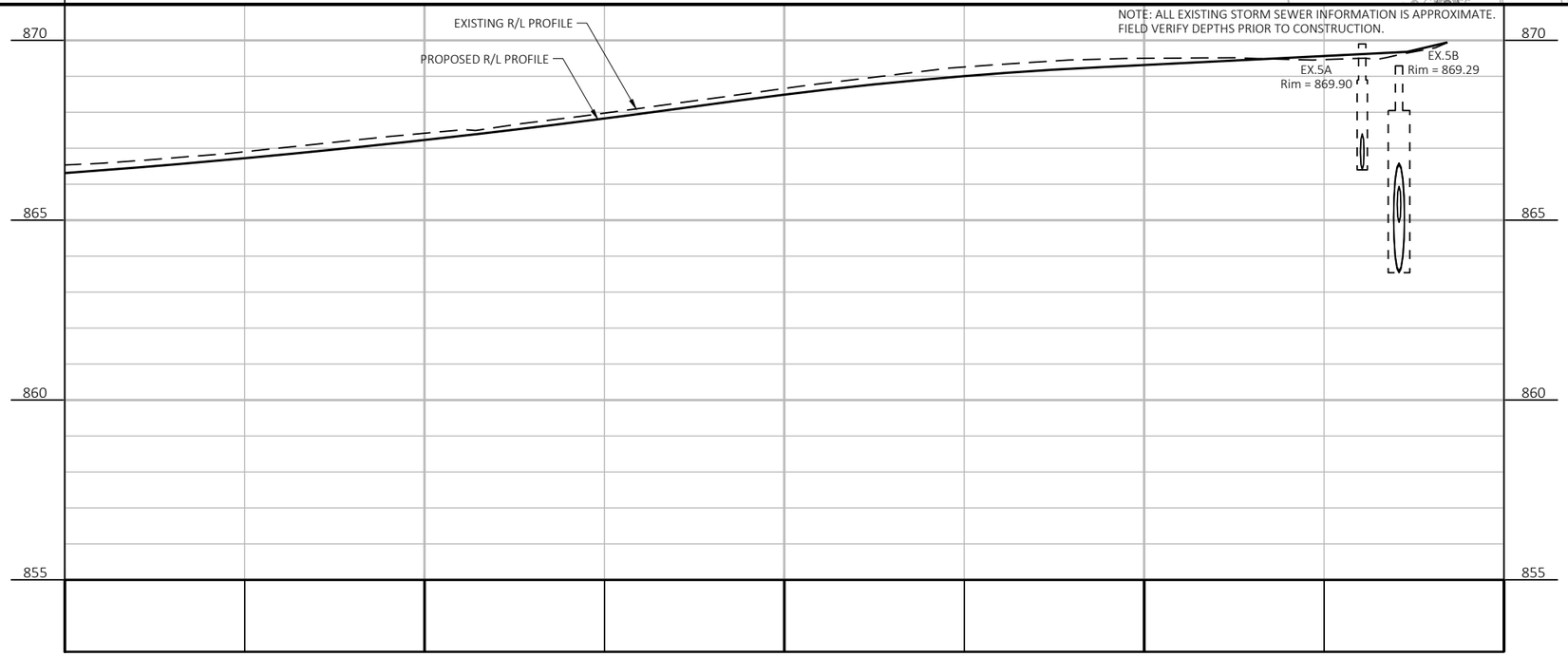


PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	STORM SEWER	SHEET 27	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\STORM SEWER.DWG
LAYOUT NAME - 022504-ss
PLOT DATE : 9/19/2021 8:52 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

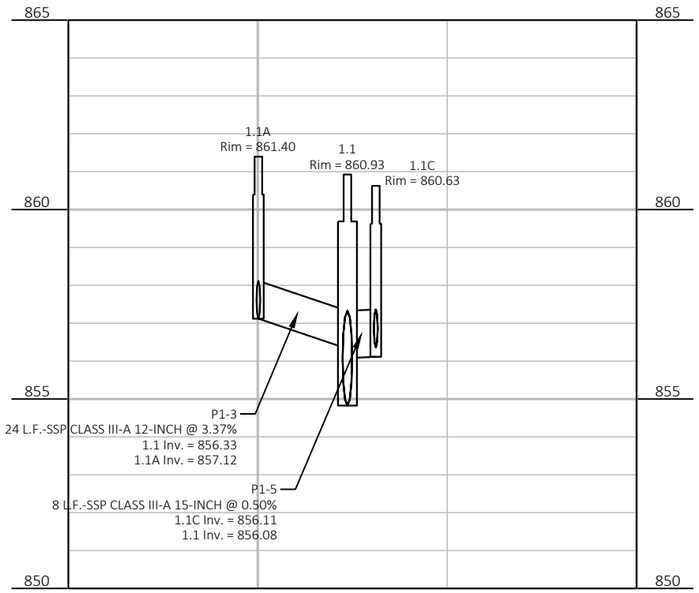


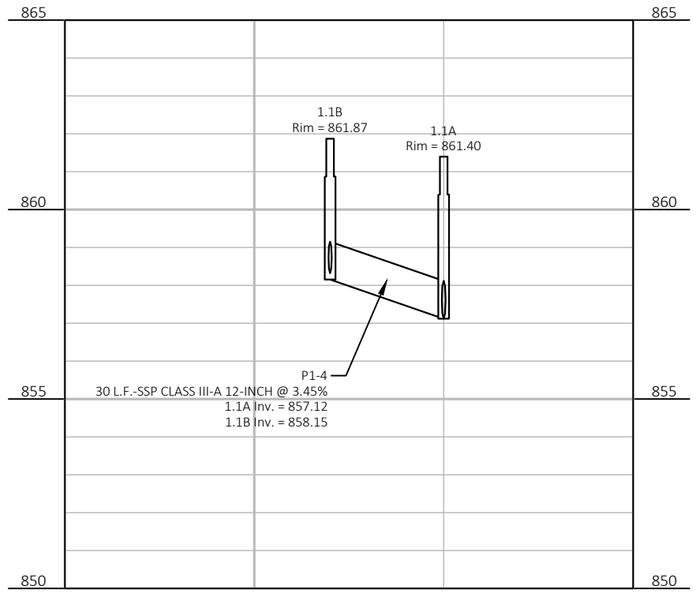
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #4	44+55.84	873.58	TOP NUT FIRE HYDRANT
CP #5	41+24.60	866.03	CUT X

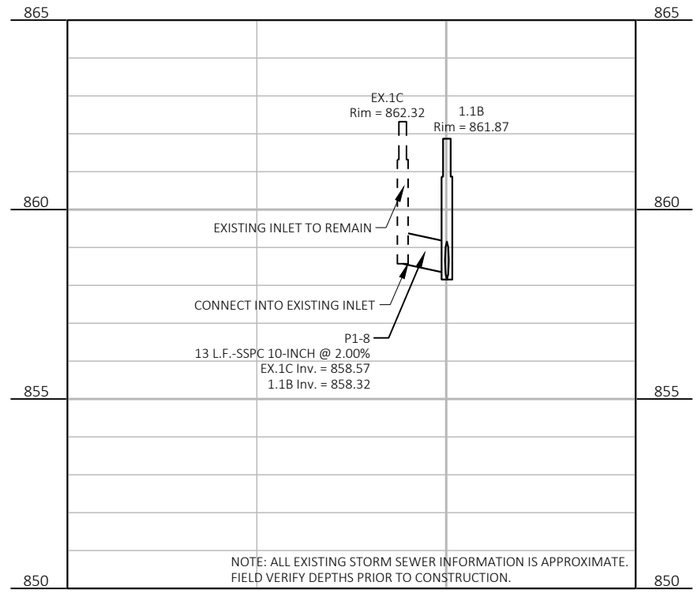


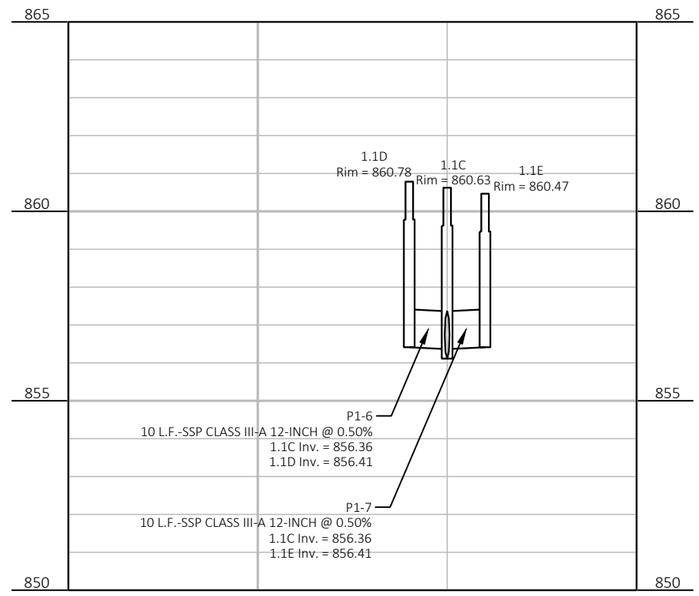
PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	STORM SEWER	SHEET 28	E

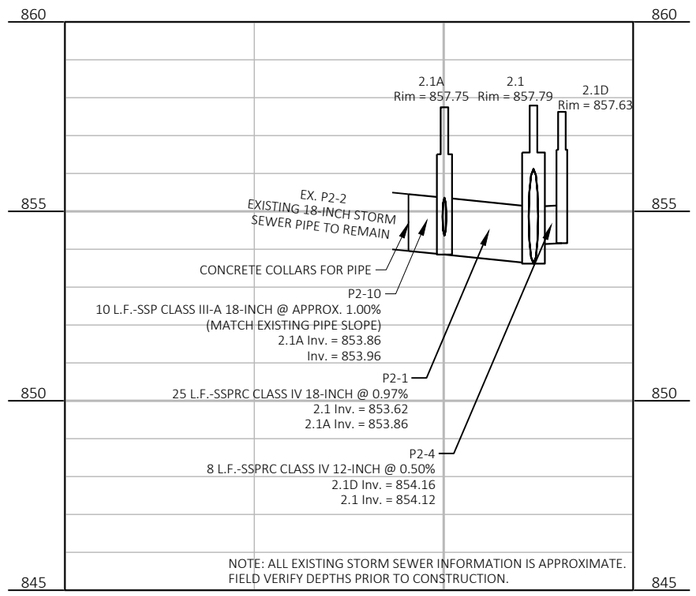
FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\!CADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\STORM SEWER.DWG
LAYOUT NAME - 022505-ss
PLOT DATE : 9/19/2021 8:53 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

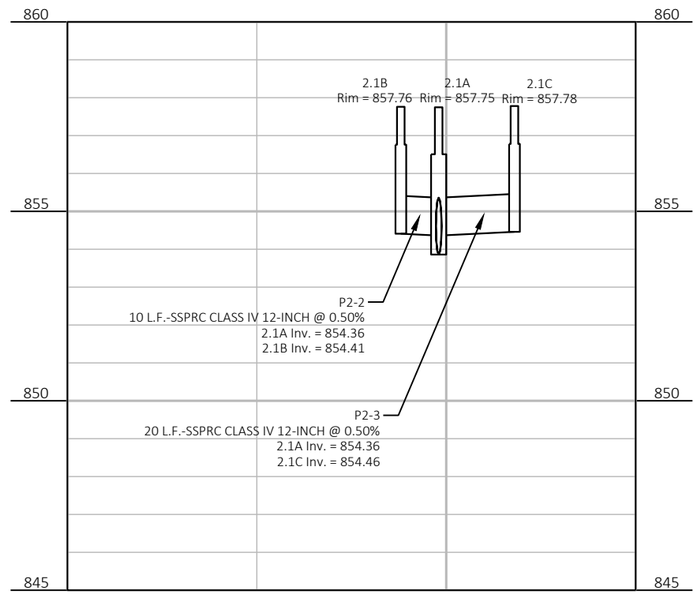

865
860
855
850
1.1A
Rim = 861.40
1.1
Rim = 860.93
1.1C
Rim = 860.63
P1-3
24 L.F.-SSP CLASS III-A 12-INCH @ 3.37%
1.1 Inv. = 856.33
1.1A Inv. = 857.12
P1-5
8 L.F.-SSP CLASS III-A 15-INCH @ 0.50%
1.1C Inv. = 856.11
1.1 Inv. = 856.08

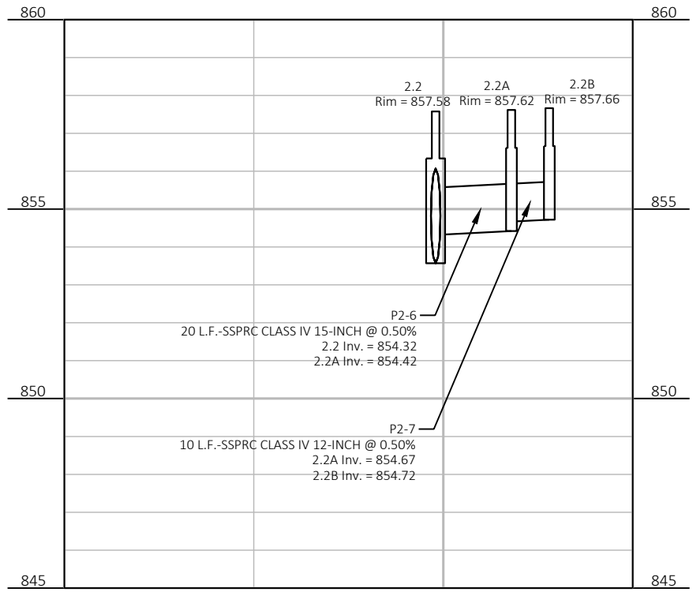

865
860
855
850
1.1B
Rim = 861.87
1.1A
Rim = 861.40
P1-4
30 L.F.-SSP CLASS III-A 12-INCH @ 3.45%
1.1A Inv. = 857.12
1.1B Inv. = 858.15

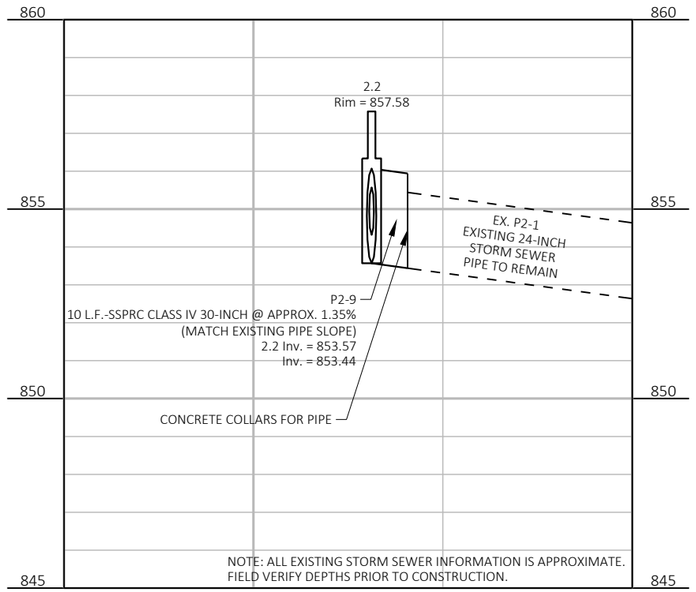

865
860
855
850
EX.1C
Rim = 862.32
1.1B
Rim = 861.87
EXISTING INLET TO REMAIN
CONNECT INTO EXISTING INLET
P1-8
13 L.F.-SSPC 10-INCH @ 2.00%
EX.1C Inv. = 858.57
1.1B Inv. = 858.32
NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.

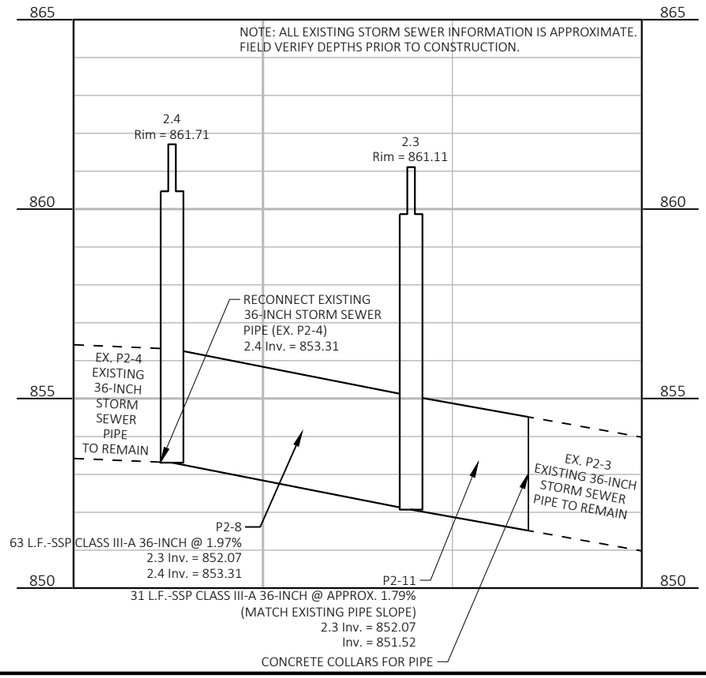

865
860
855
850
1.1D
Rim = 860.78
1.1C
Rim = 860.63
1.1E
Rim = 860.47
P1-6
10 L.F.-SSP CLASS III-A 12-INCH @ 0.50%
1.1C Inv. = 856.36
1.1D Inv. = 856.41
P1-7
10 L.F.-SSP CLASS III-A 12-INCH @ 0.50%
1.1C Inv. = 856.36
1.1E Inv. = 856.41

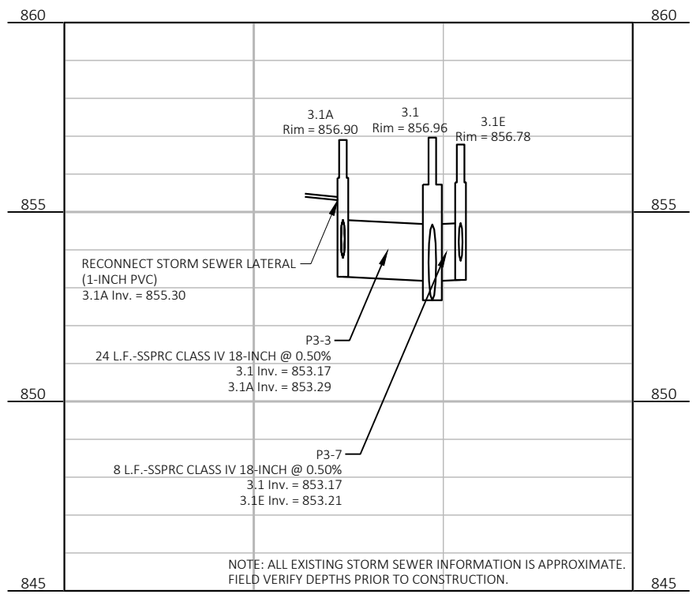

860
855
850
845
2.1A
Rim = 857.75
2.1
Rim = 857.79
2.1D
Rim = 857.63
EX. P2-2
EXISTING 18-INCH STORM
SEWER PIPE TO REMAIN
CONCRETE COLLARS FOR PIPE
P2-10
10 L.F.-SSP CLASS III-A 18-INCH @ APPROX. 1.00%
(MATCH EXISTING PIPE SLOPE)
2.1A Inv. = 853.86
Inv. = 853.96
P2-1
25 L.F.-SSPRC CLASS IV 18-INCH @ 0.97%
2.1 Inv. = 853.62
2.1A Inv. = 853.86
P2-4
8 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.1D Inv. = 854.16
2.1 Inv. = 854.12
NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.

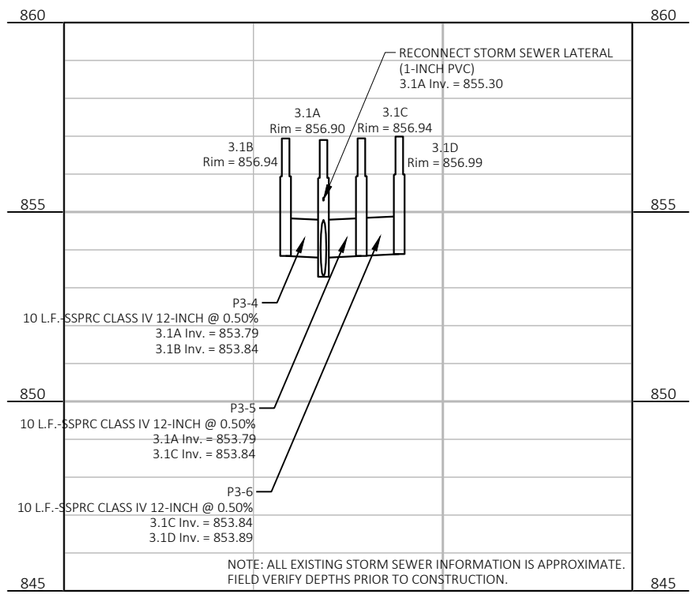

860
855
850
845
2.1B
Rim = 857.76
2.1A
Rim = 857.75
2.1C
Rim = 857.78
P2-2
10 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.1A Inv. = 854.36
2.1B Inv. = 854.41
P2-3
20 L.F.-SSPRC CLASS IV 12-INCH @ 0.50%
2.1A Inv. = 854.36
2.1C Inv. = 854.46

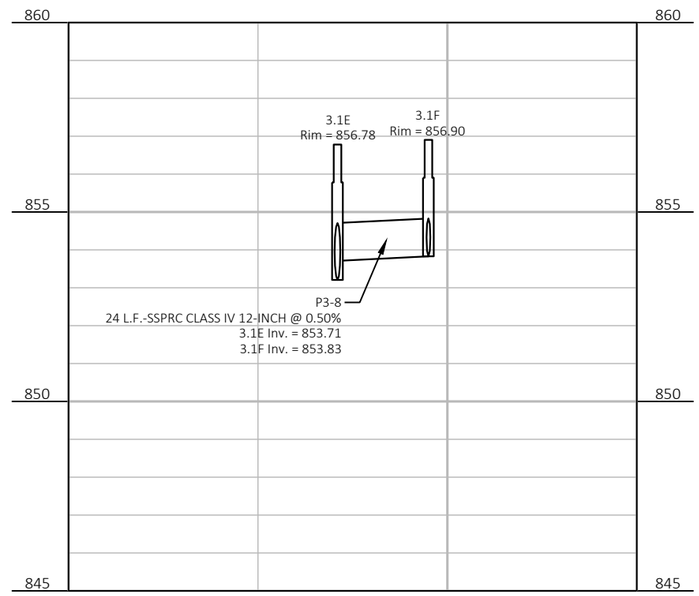




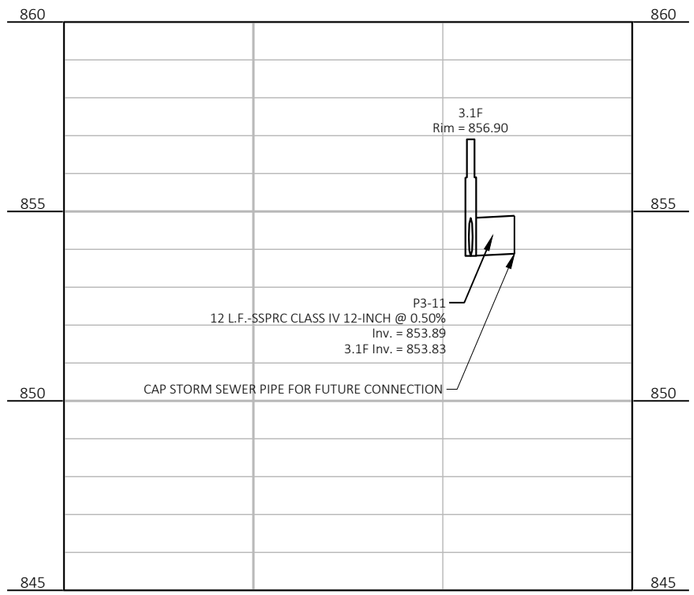


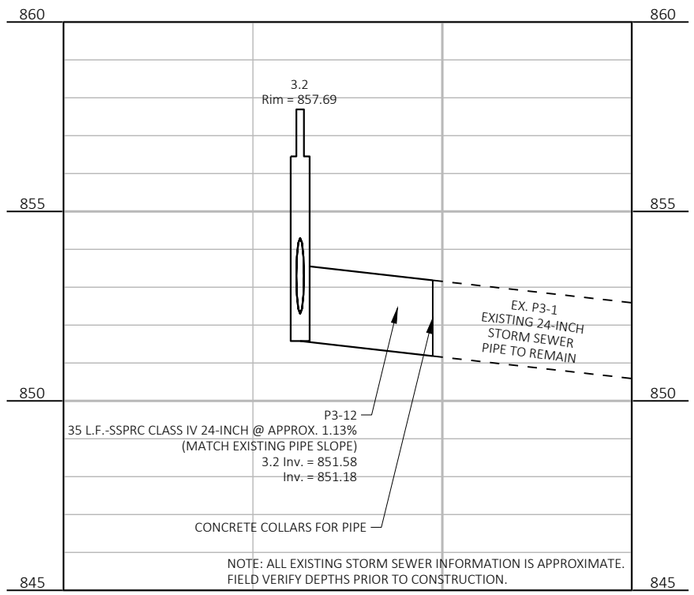


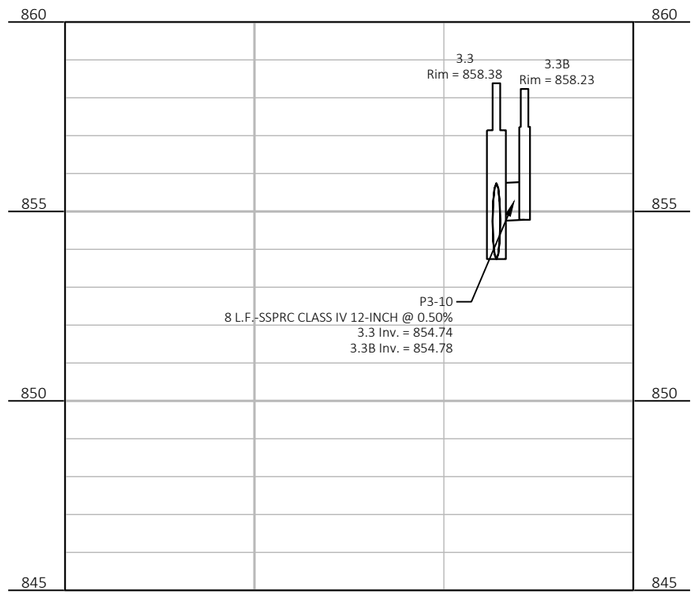


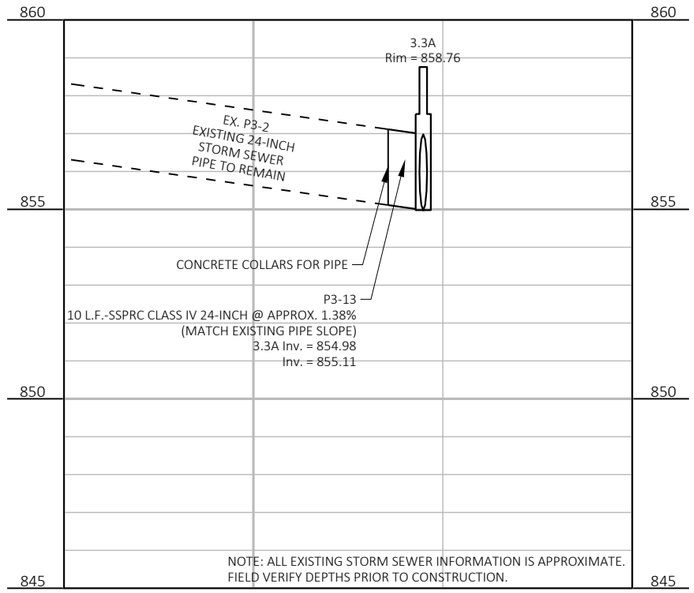


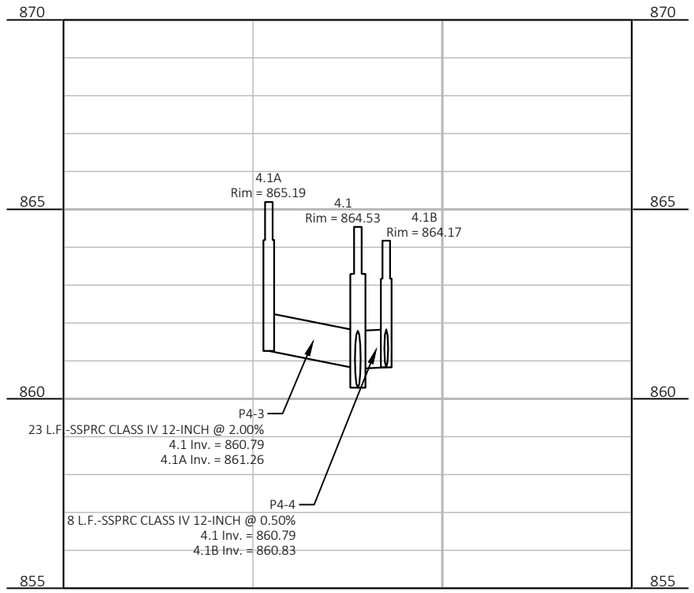
PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	STORM SEWER	SHEET 30	E

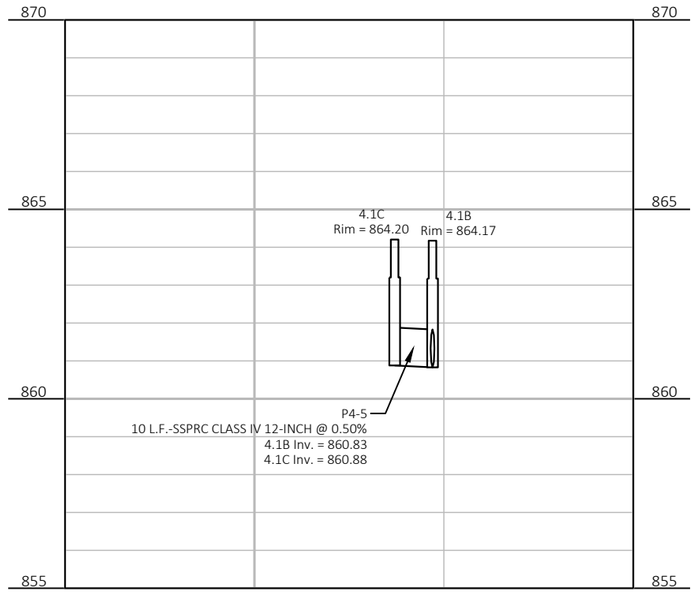




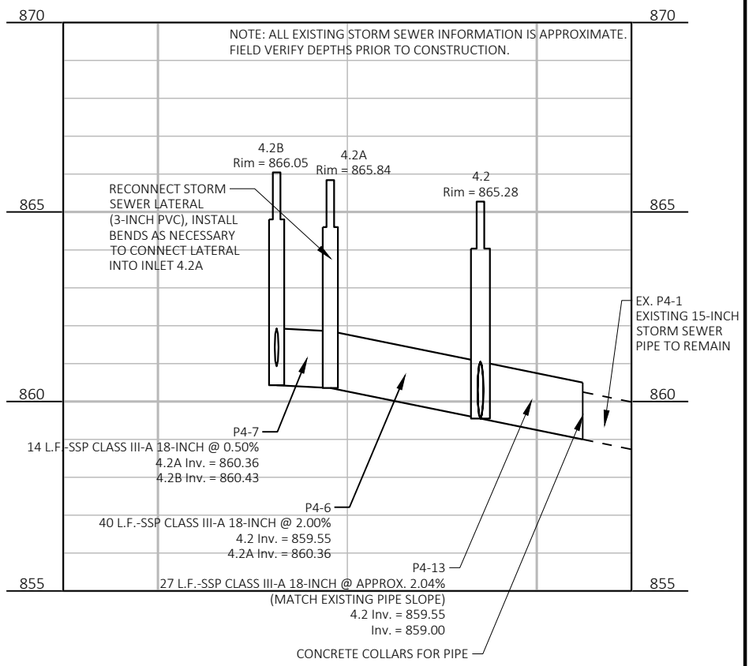


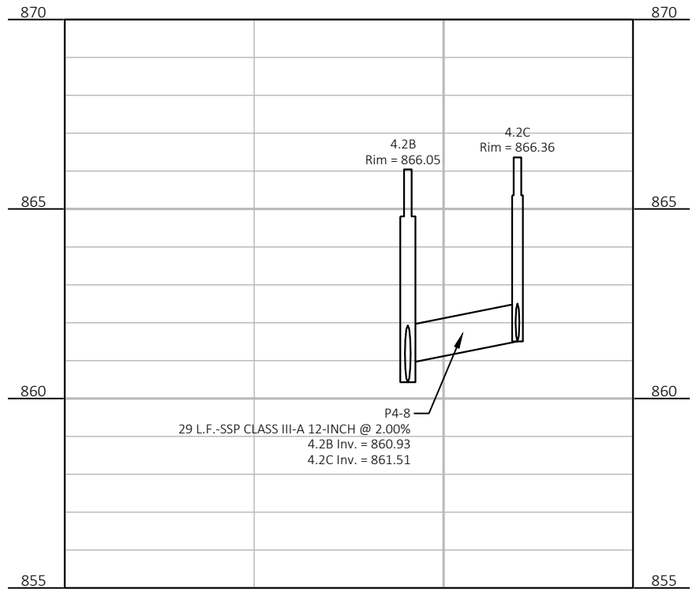


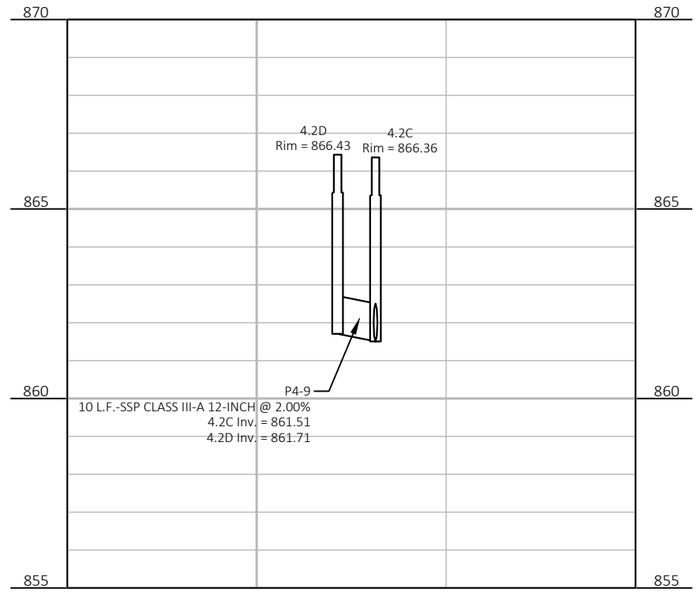


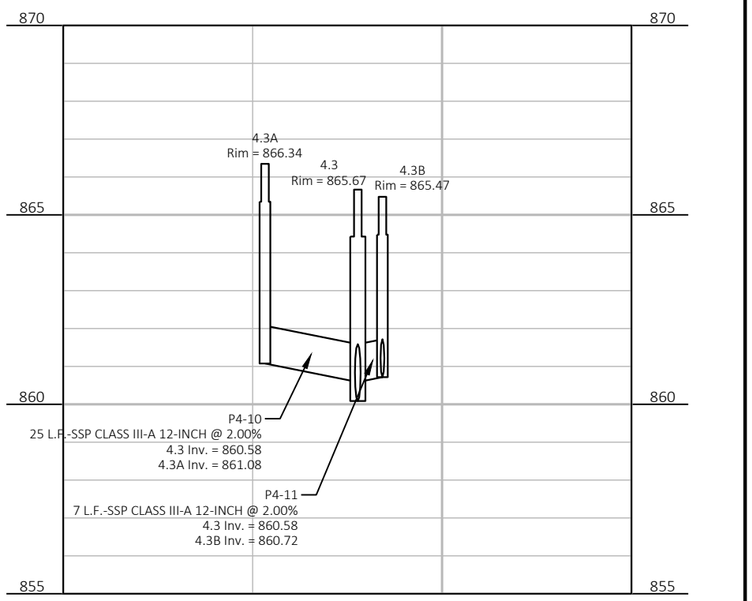


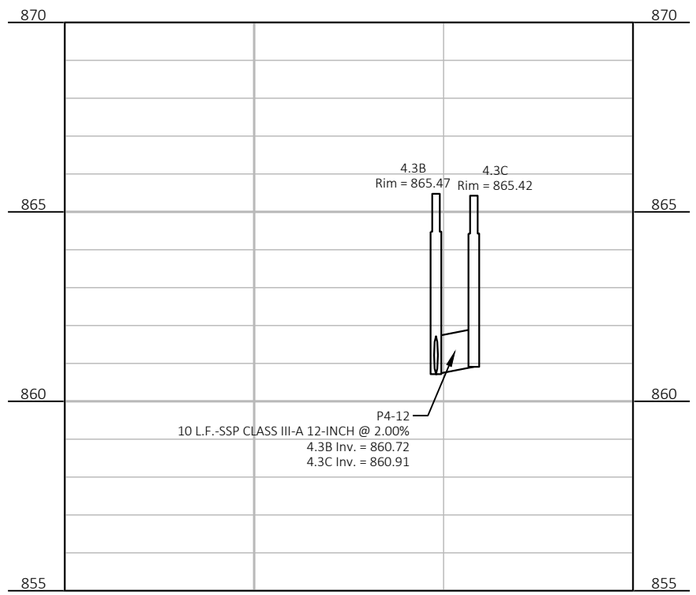
PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	STORM SEWER	SHEET 31	E


NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE.
FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.
4.2B
Rim = 866.05
4.2A
Rim = 865.84
4.2
Rim = 865.28
RECONNECT STORM SEWER LATERAL (3-INCH PVC), INSTALL BENDS AS NECESSARY TO CONNECT LATERAL INTO INLET 4.2A
EX. P4-1
EXISTING 15-INCH STORM SEWER PIPE TO REMAIN
P4-7
14 L.F.-SSP CLASS III-A 18-INCH @ 0.50%
4.2A Inv. = 860.36
4.2B Inv. = 860.43
P4-6
40 L.F.-SSP CLASS III-A 18-INCH @ 2.00%
4.2 Inv. = 859.55
4.2A Inv. = 860.36
P4-13
27 L.F.-SSP CLASS III-A 18-INCH @ APPROX. 2.04%
(MATCH EXISTING PIPE SLOPE)
4.2 Inv. = 859.55
Inv. = 859.00
CONCRETE COLLARS FOR PIPE
870
865
860
855


4.2B
Rim = 866.05
4.2C
Rim = 866.36
P4-8
29 L.F.-SSP CLASS III-A 12-INCH @ 2.00%
4.2B Inv. = 860.93
4.2C Inv. = 861.51
870
865
860
855


4.2D
Rim = 866.43
4.2C
Rim = 866.36
P4-9
10 L.F.-SSP CLASS III-A 12-INCH @ 2.00%
4.2C Inv. = 861.51
4.2D Inv. = 861.71
870
865
860
855


4.3A
Rim = 866.34
4.3
Rim = 865.67
4.3B
Rim = 865.47
P4-10
25 L.F.-SSP CLASS III-A 12-INCH @ 2.00%
4.3 Inv. = 860.58
4.3A Inv. = 861.08
P4-11
7 L.F.-SSP CLASS III-A 12-INCH @ 2.00%
4.3 Inv. = 860.58
4.3B Inv. = 860.72
870
865
860
855


4.3B
Rim = 865.47
4.3C
Rim = 865.42
P4-12
10 L.F.-SSP CLASS III-A 12-INCH @ 2.00%
4.3B Inv. = 860.72
4.3C Inv. = 860.91
870
865
860
855

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

S SPRING ST.

8" 45 BEND
STA = 22+84.1 @ 3.6' LT
CONNECT TO EX. W.M.
(FIELD VERIFY)

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

8" 45 BEND
STA = 22+88.5 @ 8.0' LT

TLE

14' 25'

297 L.F. - 30 IN. PVC @-0.08%

CONNECT TO EX. 30" PVC PIPE
STA. 22+87.5, 3.7' RT
I.E. = 849.88 (FIELD VERIFY)

TLE 37' 26'

211 L.F. - 8" W.M. @ 1.17%

APPROX. LENGTH
OF LATERAL (TYP.)

25' 14'

APPROX. LENGTH
OF LATERAL (TYP.)

26' 36'

26' 36'

TLE

94 L.F. - 8" W.M. @ 0.75%

VERTICAL DEFLECTION
STA = 25+00.0 @ 8.0' LT

23' 15'

25+00.00

27' 35'

HYDR
STA.

6" GA
STA.

STA = 25+93.8
8" GATE VALVE
STA. 25+88.8

BM#1

CB#1

21+00 22+00 23+00 24+00 25+00

WISCONSIN
JASON M. LAUE
E-39859
BEAVER DAM, WI
PROFESSIONAL ENGINEER
7-26-21

PROP. PROFILE @ REF. LINE
EX. PROFILE @ REF. LINE

PROPOSED STORM SEWER

CONNECT TO EX. W.M.
STA. 22+84.1, 3.6' LT
8" 45 BEND
T/P = 855.77 (8")
(FIELD VERIFY)

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

8" 45 BEND
STA. 22+88.5, 8.0' LT
T/P = 855.77 (8")

211 L.F. - 8" W.M. @ 1.17%

297 L.F. - 30 IN. PVC @-0.08%

VERTICAL DEFLECTION
STA = 25+00.0 @ -8.0' LT
T/P = 853.40 (8")

EXISTING SANITARY SEWER

CONNECT TO EX. 30" PVC PIPE
STA. 22+87.5, 3.7' RT
I.E. = 849.88 (FIELD VERIFY)

EX. ELEV. @ REF. LINE
PROP. ELEV. @ REF. LINE

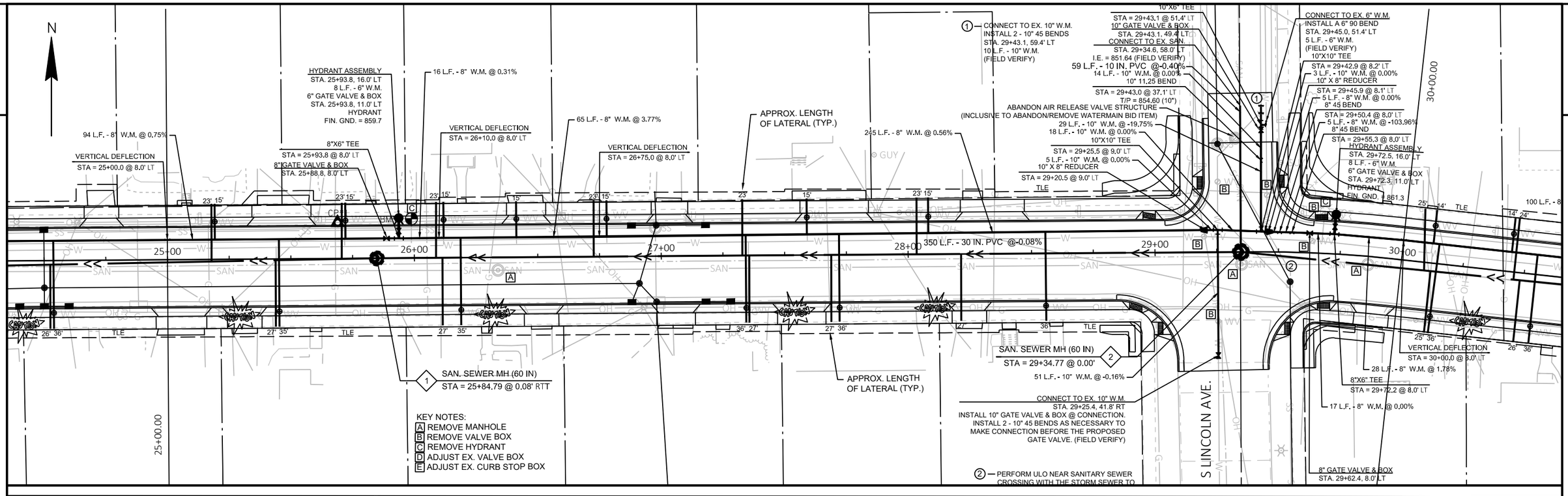
860
855
850
849

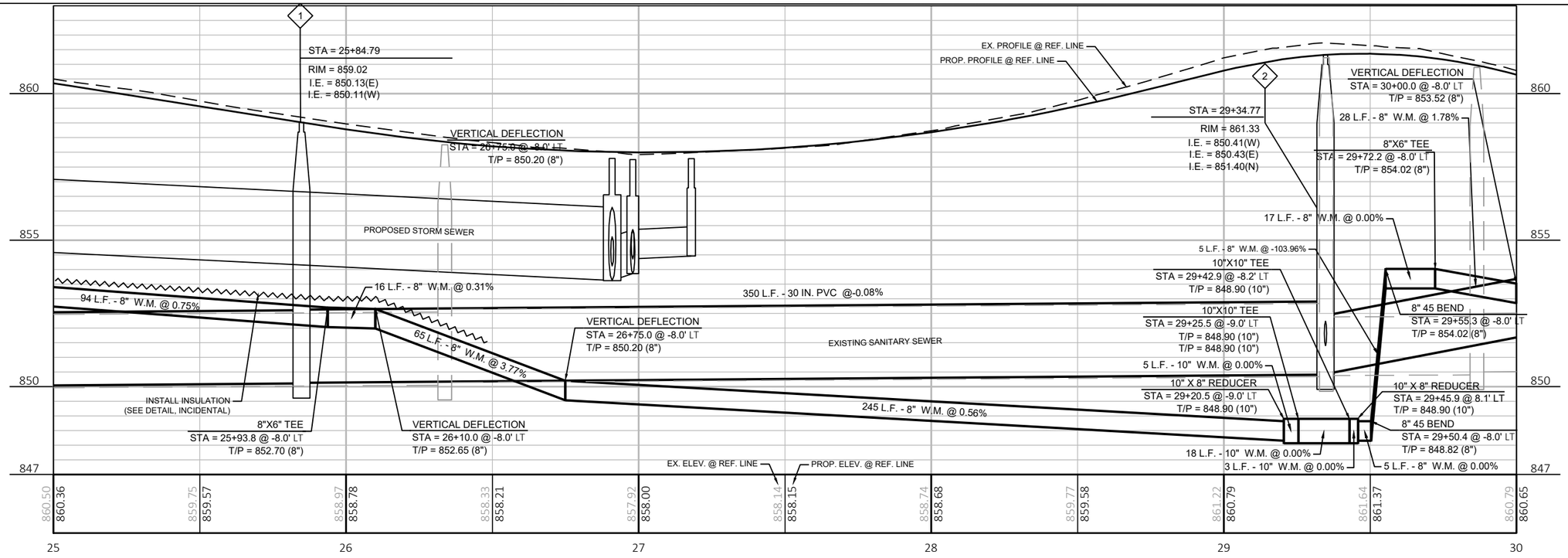
870.96 868.99 866.71 864.61 863.73 863.51 862.98 862.72 862.19 861.93 861.32 861.15 860.50 860.36

20 21 22 23 24 25

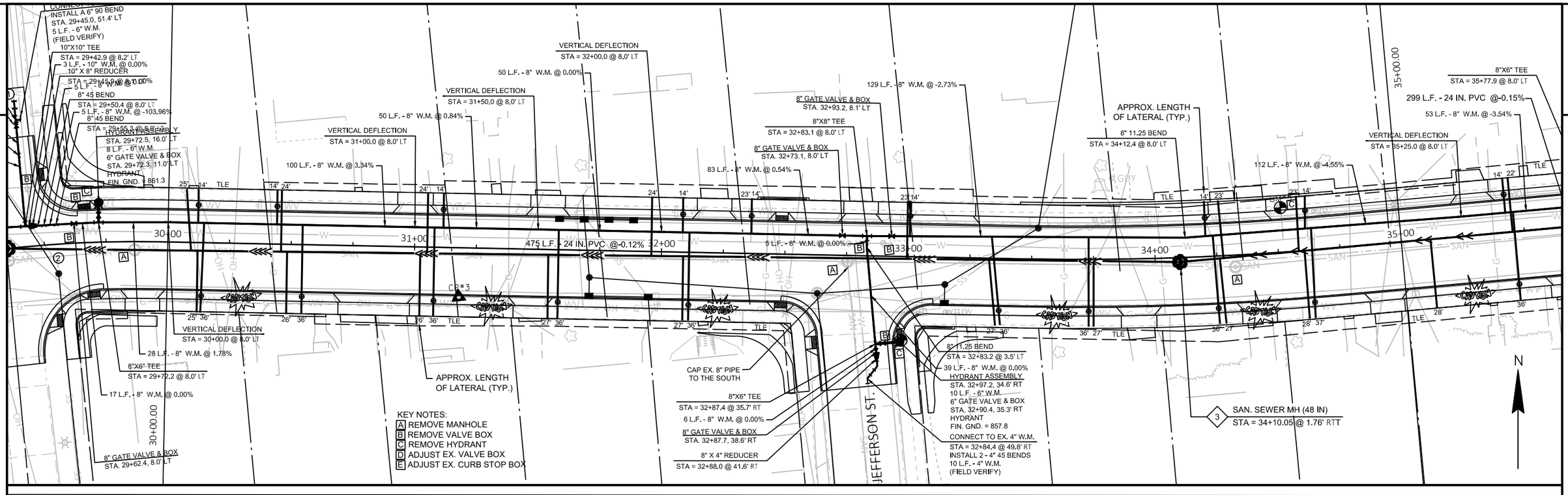
PROJECT NO: 6995-00-14	HWY: E. DAVIS STREET	COUNTY: DODGE	SANITARY SEWER & WATER MAIN PLAN	SHEET 33	E

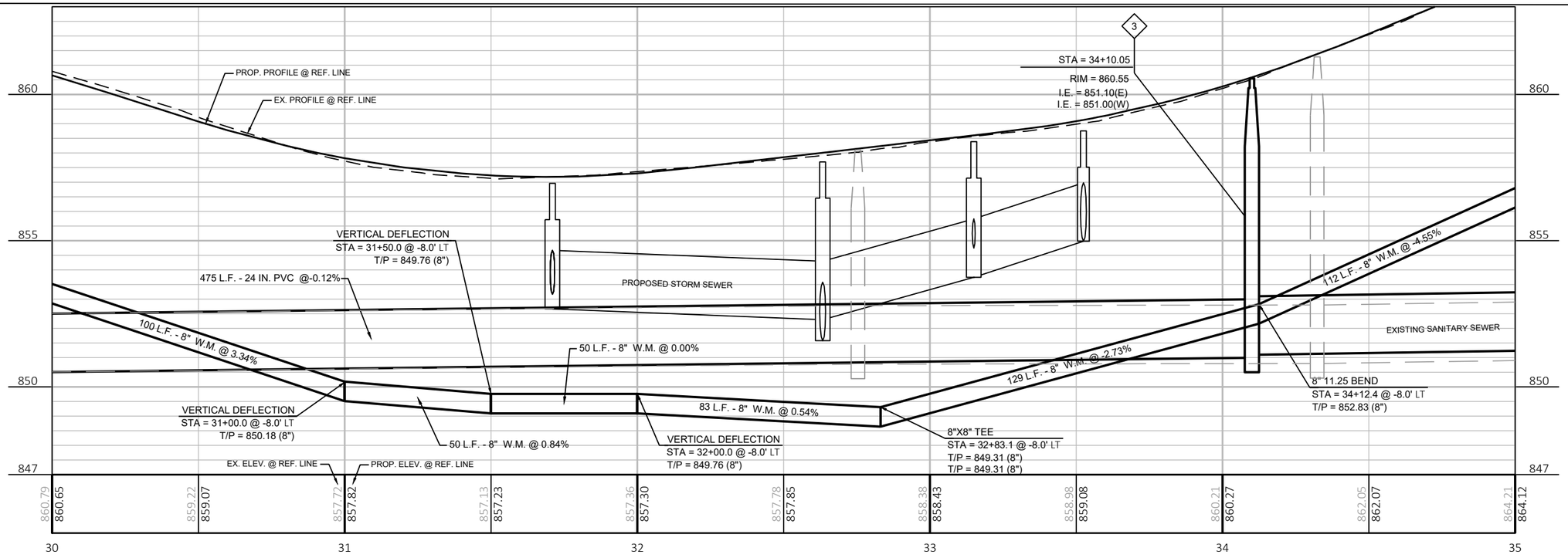
FILE NAME : G:\00\00218\00218045\CADD-SANITARY & WATER\C3D\00218045 DESIGN - SAN&WATER.DWG
LAYOUT NAME - 1
PLOT DATE : 7/26/2021 8:15 AM PLOT BY : XXX PLOT NAME : PLOT SCALE : ##########





PROJECT NO: 6995-00-14	HWY: E. DAVIS STREET	COUNTY: DODGE	SANITARY SEWER & WATER MAIN PLAN	SHEET 34	E





PROJECT NO: 6995-00-14	HWY: E. DAVIS STREET	COUNTY: DODGE	SANITARY SEWER & WATER MAIN PLAN	SHEET 35	E

FILE NAME : G:\00\00218\00218045\CADD-SANITARY & WATER\C3D\00218045 DESIGN - SAN&WATER.DWG
LAYOUT NAME - 3
PLOT DATE : 7/26/2021 5:03 PM
PLOT BY : XXX
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

N

HYDRANT ASSEMBLY
STA. 35+77.8, 16.0' LT
8 L.F. - 6" W.M.
6" GATE VALVE & BOX
STA. 35+77.8, 11.0' LT
HYDRANT
FIN. GND. = 868.2

8"X6" TEE
STA = 35+77.9 @ 8.0' LT

299 L.F. - 24 IN. PVC @-0.15%

53 L.F. - 8" W.M. @ -3.54%

8" GATE VALVE & BOX
STA. 35+82.8, 8.0' LT

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

VERTICAL DEFLECTION
STA = 36+75.0 @ 8.0' LT

APPROX. LENGTH
OF LATERAL (TYP.)

VERTICAL DEFLECTION
STA = 35+25.0 @ 8.0' LT

112 L.F. - 8" W.M. @ -4.55%

125 L.F. - 8" W.M. @ 2.04%

VERTICAL DEFLECTION
STA = 38+00.0 @ 8.0' LT

169 L.F. - 8" W.M. @ -0.44%

CONNECT TO EX. SAN.
STA. 40+05.3, 42.5' LT
I.E. = 858.79 (FIELD VERIFY)

45 L.F. - 8" W.M. @ 3.78%

8" GATE VALVE & BOX
STA. 39+74.5, 8.0' LT

HYDRANT ASSEMBLY
STA. 39+69.7, 16.0' LT
9 L.F. - 6" W.M.
6" GATE VALVE & BOX
STA. 39+69.7, 10.5' LT
HYDRANT
FIN. GND. = 866.1

8"X6" TEE
STA = 39+69.5 @ 8.0' LT

44 L.F. - 8 IN. PVC @

CONNECT TO EX. W.M.
STA. 40+15.3, 44.2' LT
INSTALL 2 - 4" 45 BEND
4 L.F. - 4" W.M.
(FIELD VERIFY)

3 L.F. - 4" W.M. @ 0.00

8" X 4" REDUCER
STA = 40+15.2 @ 38.2

8" GATE VALVE &
STA. 40+14.9, 24.4

30 L.F. - 8" W.M. @

8"X8" CROSS
STA = 40+14.5 @

8" GATE V
STA. 40+3

35+00 | 36+00 | 37+00 | 38+00 | 39+00 | 40+00

35+00.00

40+00.00

CP #4

SAN. SEWER MH (48 IN)
STA = 37+08.56 @ 0.00' 4

SEWER MH (48 IN)
34+10.05 @ 1.76' RTT

296 L.F. - 24 IN. PVC @-0.15%

APPROX. LENGTH
OF LATERAL (TYP.)

SAN. SEWER DROP MH (48 IN)
STA = 40+04.51 @ 1.08' RT 5

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

8" GATE VALVE & B
STA. 40+13.6, 32.8' F

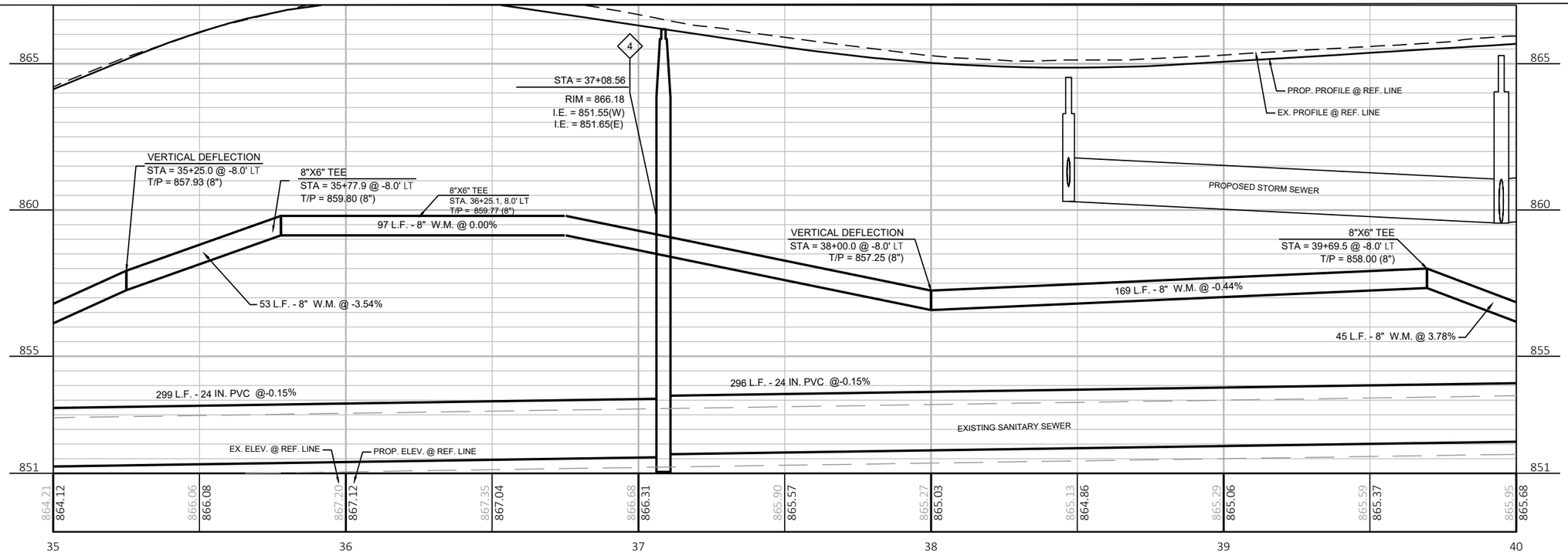
8" X 6" REDUCER
STA = 40+13.5 @ 36.6' R

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

CONNECT TO EX. W.M.
STA. 40+13.3, 44.6' RT
INSTALL 2 - 6" 45 BENDS
5 L.F. - 6" W.M.
(FIELD VERIFY)

ROEDL CT.

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



PROJECT NO: 6995-00-14	HWY: E. DAVIS STREET	COUNTY: DODGE	SANITARY SEWER & WATER MAIN PLAN	SHEET 36	E

CONNECT TO EX. SAN.
STA. 40+05.3, 42.5' LT
I.E. = 858.79 (FIELD VERIFY)

45 L.F. - 8" W.M. @ 3.78%

8" GATE VALVE & BOX
STA. 39+74.5, 8.0' LT

HYDRANT ASSEMBLY
STA. 39+69.7, 16.0' LT
9 L.F. - 6" W.M.
GATE VALVE & BOX
STA. 39+69.7, 10.5' LT
HYDRANT
FIN. GND. = 866.1

8"X6" TEE
39+69.5 @ 8.0' LT

44 L.F. - 8 IN. PVC @-1.63%

CONNECT TO EX. W.M.
STA. 40+15.3, 44.2' LT
INSTALL 2 - 4" 45 BENDS
4 L.F. - 4" W.M.
(FIELD VERIFY)

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

8" X 4" REDUCER
STA = 40+15.2 @ 38.2' LT

8" GATE VALVE & BOX
STA. 40+14.9, 24.4' LT

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

8"X8" CROSS
STA = 40+14.5 @ 8.0' LT

8" GATE VALVE & BOX
STA. 40+34.5, 7.7' LT

111 L.F. - 8" W.M. @ -2.44%

VERTICAL DEFLECTION
STA = 41+25.0 @ 8.0' LT

APPROX. LENGTH
OF LATERAL (TYP.)

275 L.F. - 8" W.M. @ -1.14%

HYDRANT ASSEMBLY
STA. 44+55.3, 28.2' LT
14 L.F. - 6" W.M.
6" GATE VALVE & BOX
STA. 44+66.1, 29.7' LT
HYDRANT
FIN. GND. = 871.0

11 L.F. - 8" W.M. @ -0.95%

8" 11.25 BEND
STA = 44+61.6 @ 8.0' LT

8" GATE VALVE & BOX
STA. 44+47.7, 8.0' LT

62 L.F. - 8" W.M. @ -1.25%

VERTICAL DEFLECTION
STA = 43+99.9 @ 8.0' LT

STA. 44+68.0, 37.0' LT
3 L.F. - 8" W.M.
CONNECT TO EX. W.M.
INSTALL 2 - 6" 45 BENDS
6 L.F. - 6" W.M.
8"X6" REDUCER
3 L.F. - 8" W.M.
(FIELD VERIFY)

8"X6" TEE
STA. 44+69.1, 30.2' LT
T/P = 863.50 (8")

21 LF. - 8" W.M. @ 2.38%

8" GATE VALVE & BOX
STA. 44+71.6, 12.3' LT

8"X8" TEE
STA = 44+72.0 @ 9.3' LT

40+00 41+00 42+00 43+00 44+00 45+00

241 L.F. - 24 IN. PVC @-1.89%

241 L.F. - 24 IN. PVC @-0.57%

CP=5

14' 22' TLE
14' 22'
14' 22'
14' 22'
14' 23' TLE
26' 37' TLE
38' 29' TLE
39' 29'
38' 29'
29' 37'
29' 37'
37' 28'
TLE

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

8" GATE VALVE & BOX
STA. 40+13.6, 32.8' RT

8" X 6" REDUCER
STA = 40+13.5 @ 36.6' RT

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

CONNECT TO EX. W.M.
STA. 40+13.3, 44.6' RT
INSTALL 2 - 6" 45 BENDS
5 L.F. - 6" W.M.
(FIELD VERIFY)

P MH (48 IN)
1 @ 1.08' RT
5

SAN. SEWER MH (48 IN)
STA = 42+45.29 @ 0.00'
6

SAN. SEWER DROP MH (60 IN)
STA = 44+86.4 @ 2.0' RT
7

PERFORM ULO TO DETERMINE ELEVATION OF EX. NORTH DROP PIPE AND EX. SOUTH PIPE OUT OF EXISTING VAULT STRUCTURE. CONNECT TO EX. PIPES TO THE NORTH, SOUTH, AND EAST OF THE MANHOLE.

APPROX. LENGTH
OF LATERAL (TYP.)

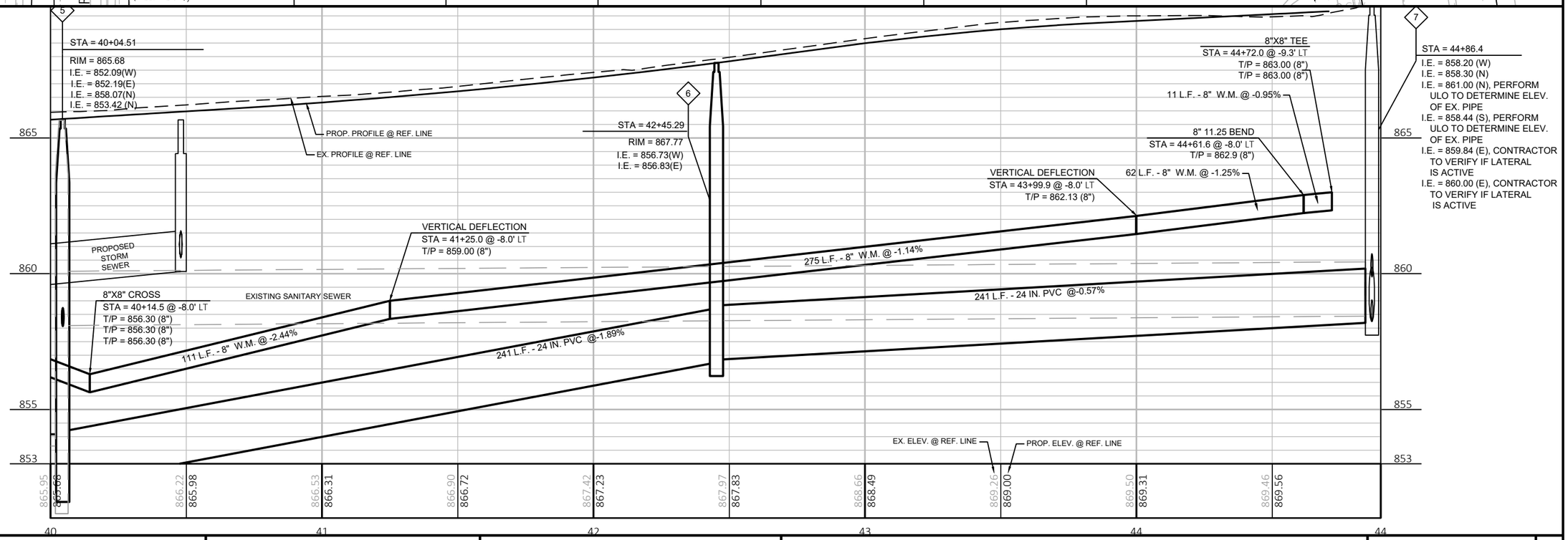
CONNECT TO EX. W.M.
STA. 44+76.1, 22.7' RT
19 L.F. - 8 " W.M.
8"X6" REDUCER
INSTALL 2 - 6" 45 BENDS
13 L.F. - 6" W.M.
(FIELD VERIFY)

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

ROEDL CT.
40+00.00

S UNIVERSITY AVE.

N



PROJECT NO: 6995-00-14	HWY: E. DAVIS STREET	COUNTY: DODGE	SANITARY SEWER & WATER MAIN PLAN	SHEET 37	E

FILE NAME : G:\00\00218\00218045\CADD-SANITARY & WATER\C3D\00218045 DESIGN - SAN&WATER.DWG
LAYOUT NAME - 5
PLOT DATE : 7/26/2021 6:33 AM
PLOT BY : XXX
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

2

N

S. SPRING STREET

W. DAVIS STREET

E. DAVIS STREET

22+00 23+00 24+00 25+00 26+00 27+00

13'

19'

MATCH LINE STA. 27+50

TO REMAIN

NO PARKING ANY TIME

STOP

TO REMAIN

B (ON EXISTING MARKING)

1-1 1-2 1-3

R7-1D 18"X24"

REMOVE

E1-1 E1-2 E1-3

A (TYP.)

(ON EXISTING MARKING) C

E DAVIS ST

S SPRING ST

W DAVIS ST

RRFB'S TO REMAIN

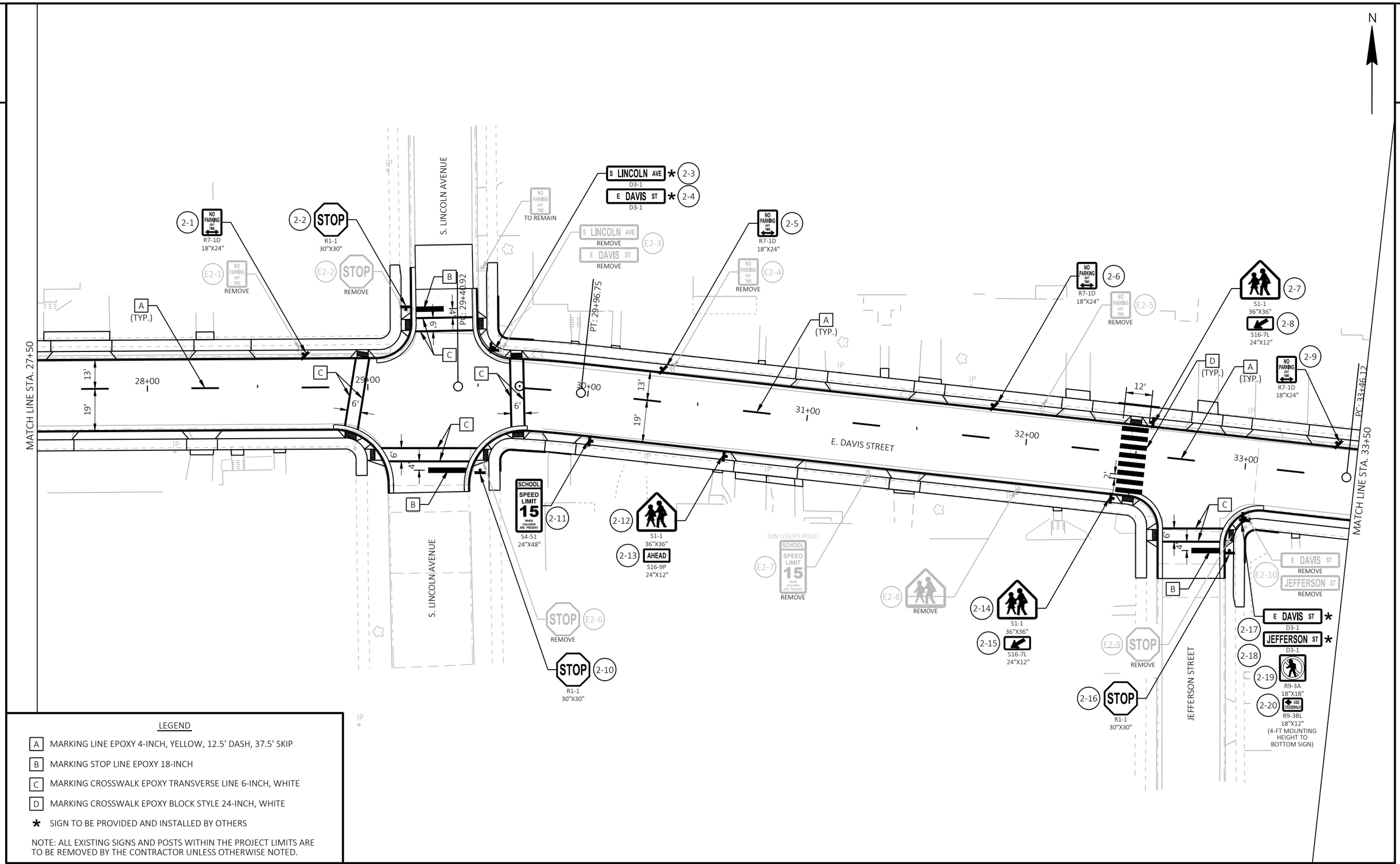
LEGEND

- A MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' DASH, 37.5' SKIP
- B MARKING STOP LINE EPOXY 18-INCH
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
- * SIGN TO BE PROVIDED AND INSTALLED BY OTHERS

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

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 38	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-ps
PLOT DATE : 7/22/2021 6:01 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

- A MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' DASH, 37.5' SKIP
- B MARKING STOP LINE EPOXY 18-INCH
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
- * SIGN TO BE PROVIDED AND INSTALLED BY OTHERS

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

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 39	E

2

2

N

E3-1
REMOVE

NO PARKING ANY TIME
REMOVE

3-1
S1-1
36"X36"

AHEAD
3-2
S16-9P
24"X12"

PT: 34+73.99

NO PARKING ANY TIME
3-3
R7-1D
18"X24"

E3-2
NO PARKING ANY TIME
REMOVE

NO PARKING ANY TIME
3-4
R7-1D
18"X24"

A
(TYP.)

E3-3
NO PARKING ANY TIME
REMOVE

NO PARKING ANY TIME
3-5
R7-1D
18"X24"

E3-4
NO PARKING ANY TIME
REMOVE

NO PARKING ANY TIME
3-6
R7-1D
18"X24"

MATCH LINE STA. 33+50

34+00

35+00

36+00

37+00

38+00

39+00

MATCH LINE STA. 39+50

E. DAVIS STREET

13'

19'

TP

LEGEND

- A MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' DASH, 37.5' SKIP
- B MARKING STOP LINE EPOXY 18-INCH
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
- * SIGN TO BE PROVIDED AND INSTALLED BY OTHERS

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

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 40	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023203-ps

PLOT DATE : 7/22/2021 6:02 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCH LINE STA. 39+50

ROEDL COURT

PI: 39+60.89

PI: 40+51.94

CAUTION CHILDREN AT PLAY
TO REMAIN

4-1 STOP
R1-1
30"X30"

E4-1 STOP
REMOVE

4-2 * ROEDL CT
D3-1

4-3 * E DAVIS ST
D3-1

E4-2 ROEDL CT
REMOVE

E4-2 E DAVIS ST
REMOVE

4-4 NO PARKING ANY TIME
R7-1D
18"X24"

E4-3 NO PARKING ANY TIME
REMOVE

4-5 NO PARKING ANY TIME
R7-1D
18"X24"

4-6 SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT
S4-51
24"X48"

E4-4 SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT
REMOVE

E4-5 NO PARKING ANY TIME
REMOVE

4-7 NO PARKING ANY TIME
R7-1D
18"X24"

4-8 NO PARKING ANY TIME
R7-1D
18"X24"

E4-6 NO PARKING ANY TIME
REMOVE

4-9 * E DAVIS ST
D3-1

4-10 * S UNIVERSITY AVE
D3-1

E4-7 E DAVIS ST
REMOVE

E4-7 S UNIVERSITY AVE
REMOVE

NO PARKING HERE TO CORNER
TO REMAIN

S. UNIVERSITY AVENUE

NO PARKING THIS SIDE OF STREET
(ON UTILITY POLE)
TO REMAIN

A (TYP.)

B

C

6'

9'

4'

40+00

41+00

42+00

43+00

44+00

E. DAVIS STREET

13'

19'

PI: 44+84.34

4-11 STOP
R1-1
30"X30"

E4-8 STOP
REMOVE

4-12 NO PARKING HERE TO CORNER
R7-51L
18"X24"

E4-9 NO PARKING HERE TO CORNER
REMOVE

4-13 STOP
R1-1
30"X30"

E4-10 STOP
REMOVE

E4-11
REMOVE

PED XING
REMOVE

2 HOUR PARKING 7:00 A.M. TO 6:00 P.M. MON.-FRI. EXCEPT HOLIDAYS
TO REMAIN

STOP
TO REMAIN

LEGEND

- A MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' DASH, 37.5' SKIP
- B MARKING STOP LINE EPOXY 18-INCH
- C MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- D MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
- * SIGN TO BE PROVIDED AND INSTALLED BY OTHERS

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

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PERMANENT SIGNING AND PAVEMENT MARKINGS	SHEET 41	E

2

2

INSTALL 2-FOOT STUB CONDUIT FROM PULL BOX TOWARDS PROPOSED CROSSWALK.
CONDUIT SHALL BE CAPPED AND BURIED FOR FUTURE USE.

PB1

INSTALL 2-INCH CONDUIT FOR FUTURE
PEDESTRIAN ACTIVATED BEACON

32+00

33+00

PC: 33+46.12

E. DAVIS STREET

1-2"

INSTALL 2-FOOT STUB CONDUIT FROM PULL BOX TOWARDS PROPOSED CROSSWALK.
CONDUIT SHALL BE CAPPED AND BURIED FOR FUTURE USE.

PB2

JEFFERSON STREET

N

LEGEND

PULL BOXES STEEL 24X36-INCH

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CONDUIT INSTALLATION	SHEET 42	E

FILE NAME : G:\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024201-SP

PLOT DATE : 7/27/2021 10:54 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

2

① **ROAD CLOSED**
R11-2
48"X30"

② **ROAD CLOSED TO THRU TRAFFIC**
R11-4
60"X30"

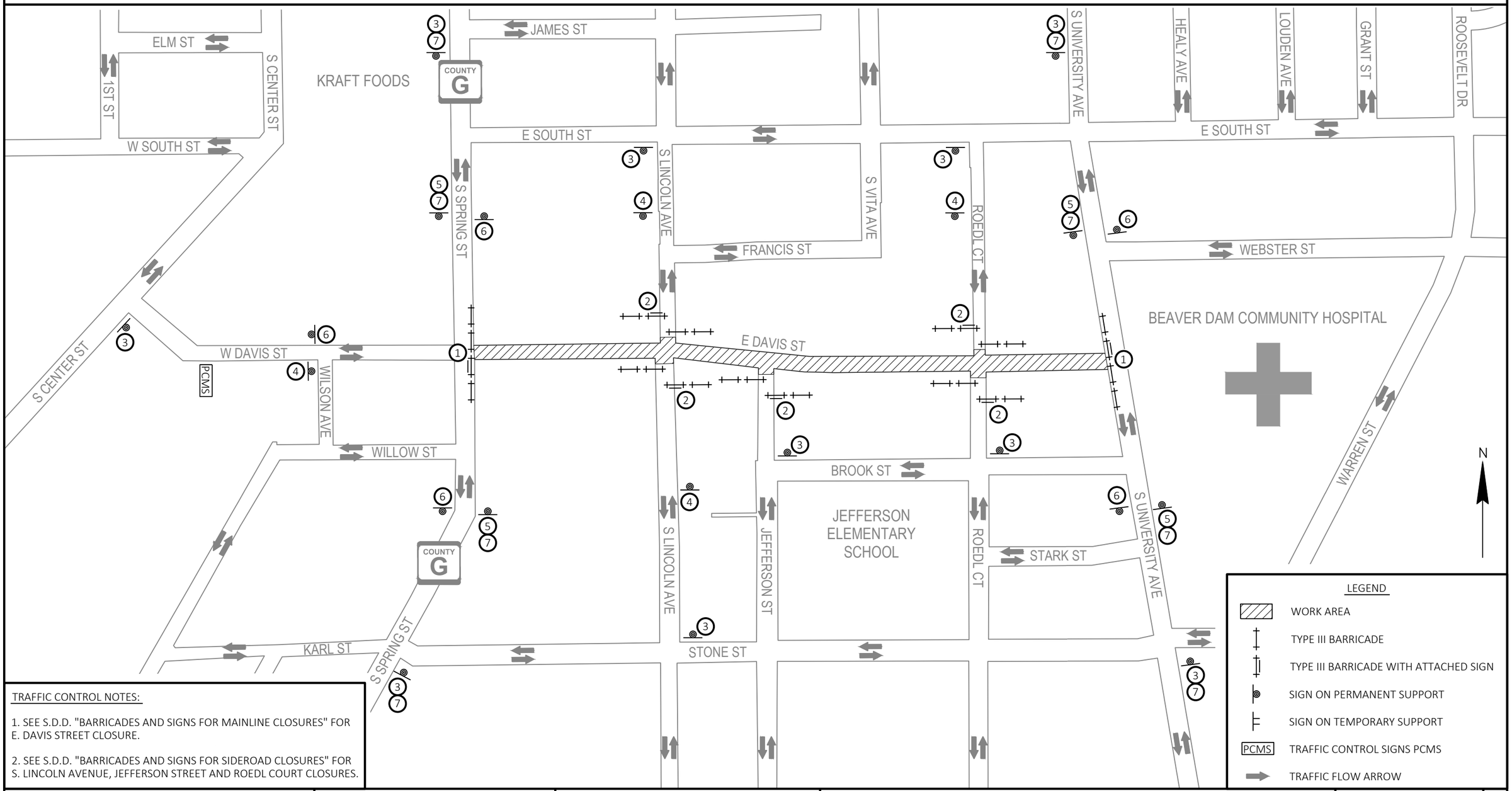
③ **ROAD CLOSED AHEAD**
W20-3A
48"X48"

④ **ROAD CLOSED 500 FT**
W20-3D
48"X48"

⑤ **ROAD WORK AHEAD**
W20-1A
48"X48"

⑥ **END ROAD WORK**
G20-2A
48"X24"

⑦ **E Davis St**
TRAFFIC CONTROL SIGNS FIXED MESSAGE
36"X12" (3 S.F.)



TRAFFIC CONTROL NOTES:

1. SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR E. DAVIS STREET CLOSURE.

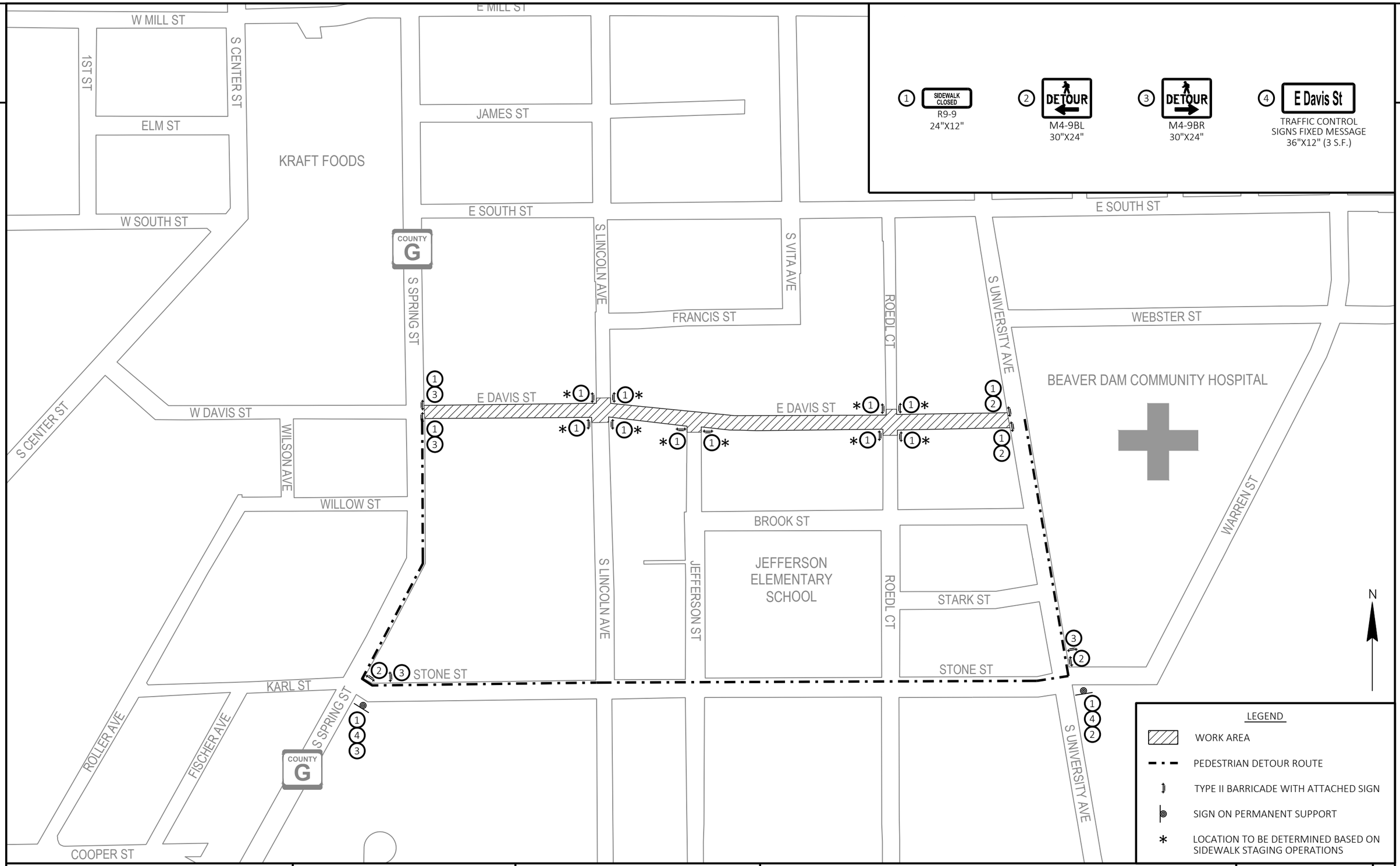
2. SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR S. LINCOLN AVENUE, JEFFERSON STREET AND ROEDL COURT CLOSURES.

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	TRAFFIC CONTROL	SHEET 43	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\025001-TC.DWG
LAYOUT NAME - 025001-tc
PLOT DATE : 5/14/2021 9:34 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : Custom
WISDOT/CADDS SHEET 42

2

1	SIDEWALK CLOSED	R9-9 24"X12"
2	DETOUR	M4-9BL 30"X24"
3	DETOUR	M4-9BR 30"X24"
4	E Davis St	TRAFFIC CONTROL SIGNS FIXED MESSAGE 36"X12" (3 S.F.)



LEGEND

- WORK AREA
- PEDESTRIAN DETOUR ROUTE
- TYPE II BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- * LOCATION TO BE DETERMINED BASED ON SIDEWALK STAGING OPERATIONS

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PEDESTRIAN DETOUR PLAN	SHEET 44	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\025002-PED.DWG
LAYOUT NAME - 025002-ped
PLOT DATE : 5/14/2021 9:35 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : NONE

2

① DETOUR AHEAD
W20-2A
48"X48"

② END DETOUR
M4-8A
24"X18"

③ DETOUR
M4-8
24"X12"
E Davis St
TRAFFIC CONTROL SIGNS FIXED MESSAGE
36"X12" (3 S.F.)
MO5-1L
21"X21"

④ DETOUR
M4-8
24"X12"
E Davis St
TRAFFIC CONTROL SIGNS FIXED MESSAGE
36"X12" (3 S.F.)
MO6-1L
21"X21"

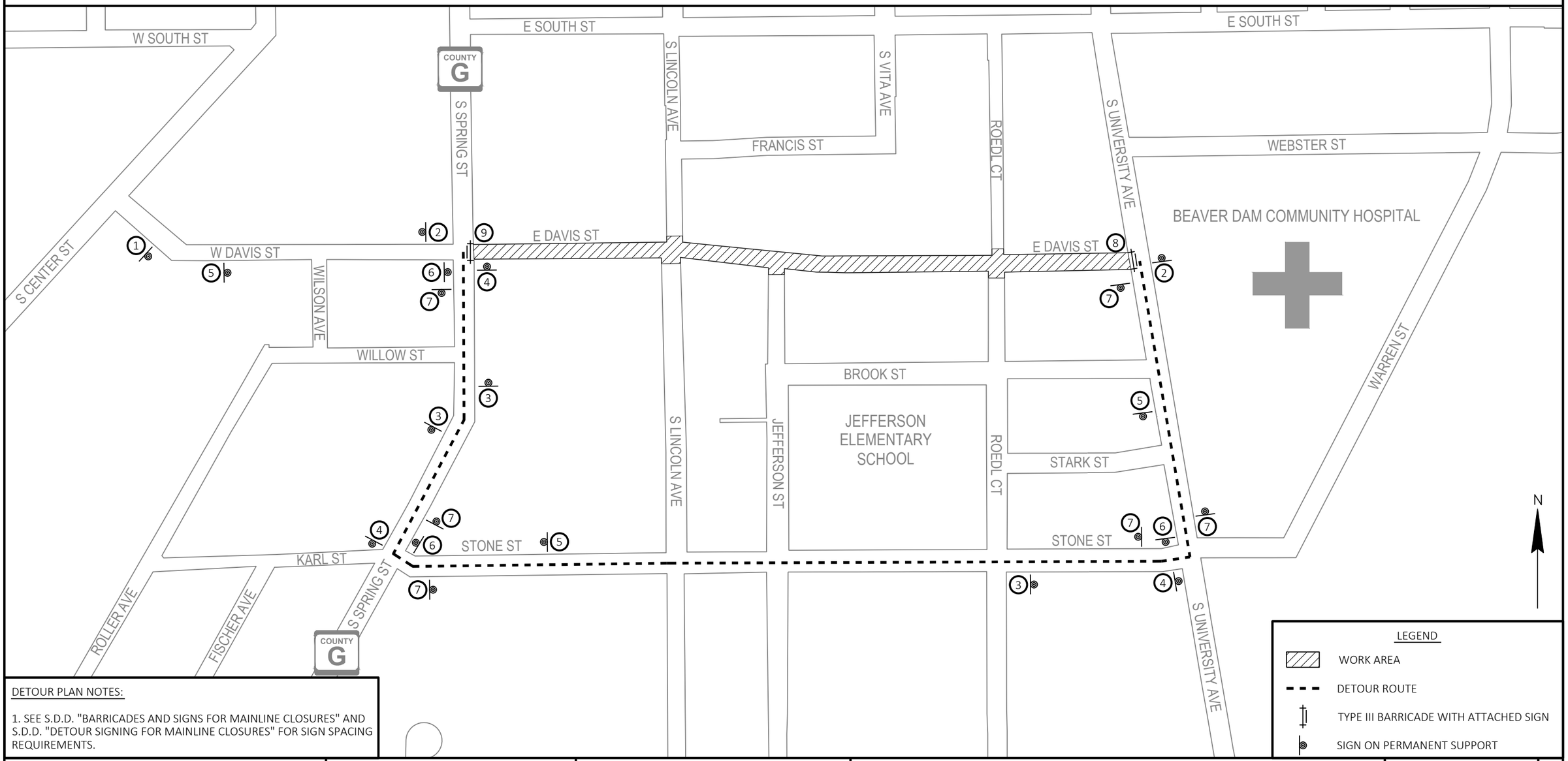
⑤ DETOUR
M4-8
24"X12"
E Davis St
TRAFFIC CONTROL SIGNS FIXED MESSAGE
36"X12" (3 S.F.)
MO5-1R
21"X21"

⑥ DETOUR
M4-8
24"X12"
E Davis St
TRAFFIC CONTROL SIGNS FIXED MESSAGE
36"X12" (3 S.F.)
MO6-1R
21"X21"

⑦ DETOUR
M4-8
24"X12"
E Davis St
TRAFFIC CONTROL SIGNS FIXED MESSAGE
36"X12" (3 S.F.)
MO6-1
21"X21"

⑧ DETOUR
M4-9L
30"X24"

⑨ DETOUR
M4-9R
30"X24"



LEGEND

- WORK AREA
- DETOUR ROUTE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT

DETOUR PLAN NOTES:

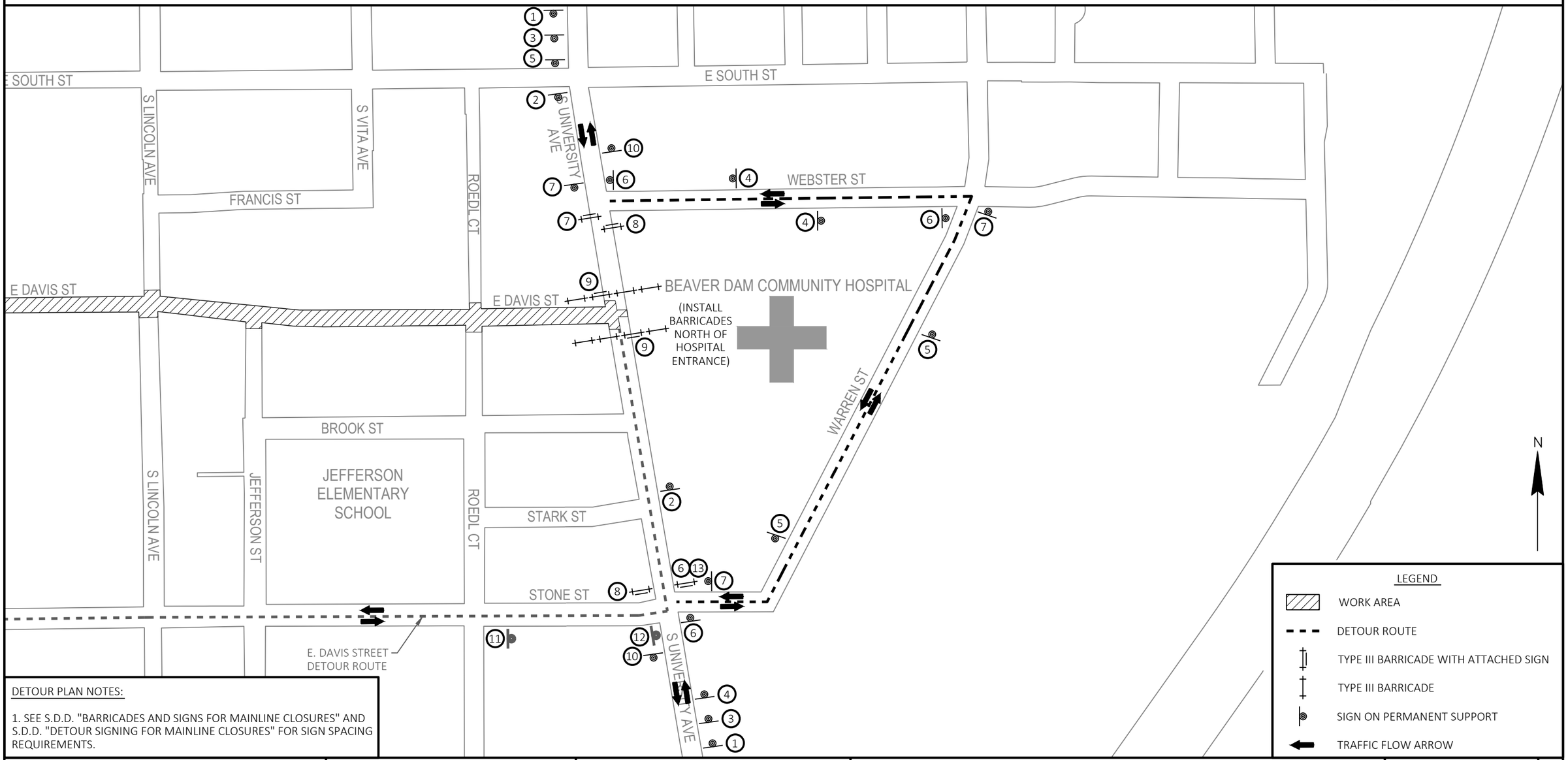
1. SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND S.D.D. "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR SIGN SPACING REQUIREMENTS.

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	DETOUR PLAN	SHEET 45	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 027001-dt
PLOT DATE : 7/20/2021 9:33 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : NONE
WISDOT/CADDS SHEET 42

2

1. ROAD CLOSED AHEAD — W20-3A 48"X48"
2. ROAD CLOSED 500 FT — W20-3D 48"X48"
3. DETOUR AHEAD — W20-2A 48"X48"
4. DETOUR — M4-59R 30"X30"
5. DETOUR — M4-59L 30"X30"
6. DETOUR — M4-9R 30"X24"
7. DETOUR — M4-9L 30"X24"
8. ROAD CLOSED TO THRU TRAFFIC — R11-4 60"X30"
9. ROAD CLOSED — R11-2 48"X30"
10. END DETOUR — M4-8A 24"X18"
11. DETOUR / E Davis St — COVER WITH SIGN — MO6-1 21"X21"
12. DETOUR / E Davis St — COVER WITH SIGN — MO6-1 21"X21"
13. ROAD OPEN TO HOSPITAL ENTRANCE — R10-61 60"X30"

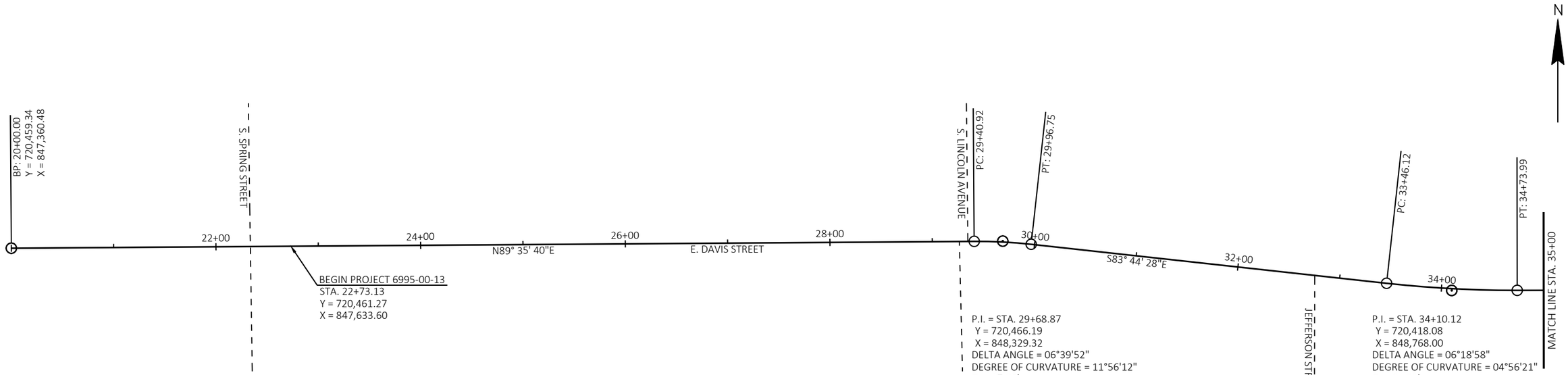


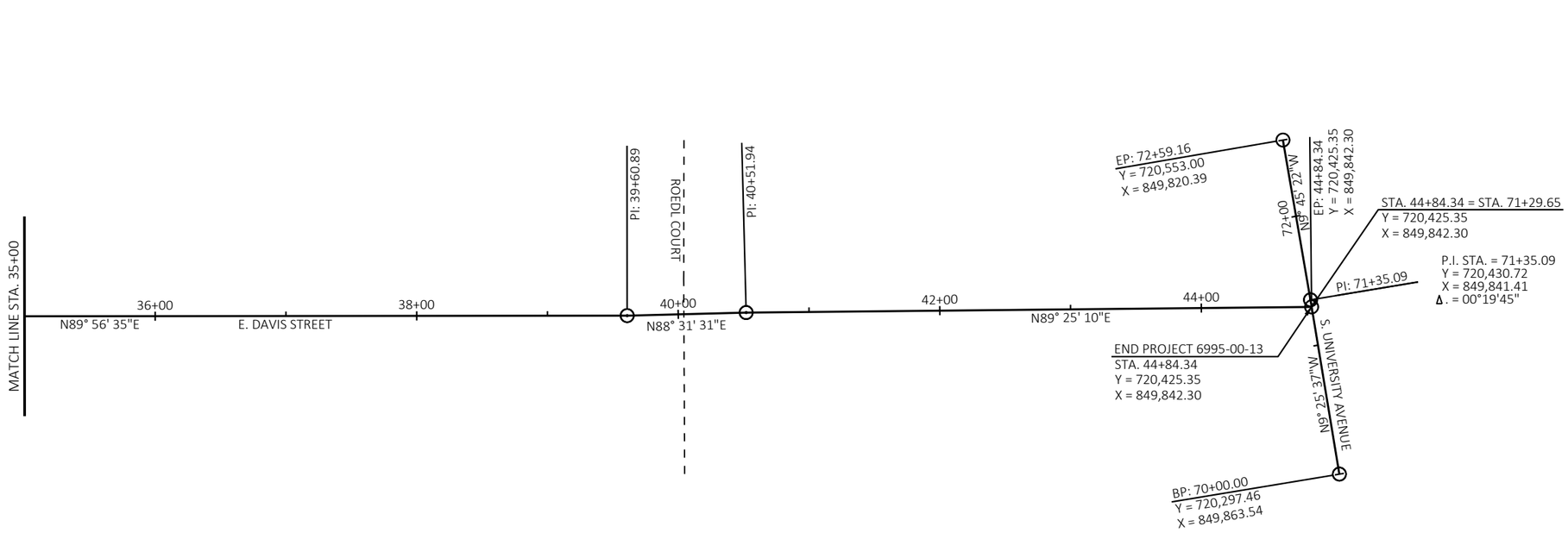
DETOUR PLAN NOTES:

1. SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND S.D.D. "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR SIGN SPACING REQUIREMENTS.

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	DETOUR PLAN: S. UNIVERSITY AVENUE CLOSURE	SHEET 46	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\027002-DT.DWG
LAYOUT NAME - 027002-dt
PLOT DATE : 7/28/2021 7:53 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : NONE
WISDOT/CADDS SHEET 42





PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	ALIGNMENT OVERVIEW	SHEET 47	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\!CADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027201-ad
PLOT DATE : 5/14/2021 9:26 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	6995-00-13 Qty	6995-00-14 Qty
0002	201.0120	Clearing	ID	114.000	114.000	
0004	201.0220	Grubbing	ID	114.000	114.000	
0006	204.0100	Removing Concrete Pavement	SY	9,613.000	9,613.000	
0008	204.0150	Removing Curb & Gutter	LF	85.000	85.000	
0010	204.0155	Removing Concrete Sidewalk	SY	2,115.000	2,115.000	
0012	204.0210	Removing Manholes	EACH	5.000	5.000	
0014	204.0220	Removing Inlets	EACH	14.000	14.000	
0016	204.0245	Removing Storm Sewer (size) 01. 12-Inch or Less	LF	295.000	295.000	
0018	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	231.000	231.000	
0020	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	10.000	10.000	
0022	204.0245	Removing Storm Sewer (size) 04. 21-Inch	LF	414.000	414.000	
0024	204.0245	Removing Storm Sewer (size) 05. 24-Inch	LF	207.000	207.000	
0026	204.0245	Removing Storm Sewer (size) 06. 36-Inch	LF	95.000	95.000	
0028	204.0280	Sealing Pipes	EACH	2.000	2.000	
0030	205.0100	Excavation Common	CY	7,720.000	7,720.000	
0032	213.0100	Finishing Roadway (project) 01. 6995-00-13	EACH	1.000	1.000	
0034	305.0110	Base Aggregate Dense 3/4-Inch	TON	16.000	16.000	
0036	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	4,180.000	4,180.000	
0038	310.0115	Base Aggregate Open-Graded	CY	10.000	10.000	
0040	311.0110	Breaker Run	TON	5,800.000	5,800.000	
0042	415.0080	Concrete Pavement 8-Inch	SY	7,465.000	7,465.000	
0044	415.1080	Concrete Pavement HES 8-Inch	SY	185.000	185.000	
0046	416.0160	Concrete Driveway 6-Inch	SY	512.000	512.000	
0048	416.0260	Concrete Driveway HES 6-Inch	SY	27.000	27.000	
0050	416.0610	Drilled Tie Bars	EACH	46.000	46.000	
0052	416.0620	Drilled Dowel Bars	EACH	167.000	167.000	
0054	455.0605	Tack Coat	GAL	3.000	3.000	
0056	465.0105	Asphaltic Surface	TON	13.000	13.000	
0058	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	16.000	16.000	
0060	520.8000	Concrete Collars for Pipe	EACH	6.000	6.000	
0062	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	525.000	525.000	
0064	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	10.000	10.000	
0066	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	4,020.000	4,020.000	
0068	601.0600	Concrete Curb Pedestrian	LF	350.000	350.000	
0070	602.0405	Concrete Sidewalk 4-Inch	SF	19,480.000	19,480.000	
0072	602.0415	Concrete Sidewalk 6-Inch	SF	4,195.000	4,195.000	
0074	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	260.000	260.000	
0076	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	163.000	163.000	
0078	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	20.000	20.000	
0080	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	57.000	57.000	
0082	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	233.000	233.000	
0084	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	261.000	261.000	
0086	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	155.000	155.000	
0088	608.3015	Storm Sewer Pipe Class III-A 15-Inch	LF	8.000	8.000	
0090	608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	292.000	292.000	
0092	608.3030	Storm Sewer Pipe Class III-A 30-Inch	LF	167.000	167.000	
0094	608.3036	Storm Sewer Pipe Class III-A 36-Inch	LF	94.000	94.000	
0096	608.6010	Storm Sewer Pipe Composite 10-Inch	LF	13.000	13.000	
0098	611.0530	Manhole Covers Type J	EACH	10.000	10.000	

Line	Item	Item Description	Unit	Total	6995-00-13 Qty	6995-00-14 Qty
0100	611.0624	Inlet Covers Type H	EACH	27.000	27.000	
0102	611.2004	Manholes 4-FT Diameter	EACH	2.000	2.000	
0104	611.2005	Manholes 5-FT Diameter	EACH	6.000	6.000	
0106	611.2006	Manholes 6-FT Diameter	EACH	3.000	3.000	
0108	611.3004	Inlets 4-FT Diameter	EACH	3.000	3.000	
0110	611.3230	Inlets 2x3-FT	EACH	26.000	26.000	
0112	611.8110	Adjusting Manhole Covers	EACH	2.000	2.000	
0114	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000	
0116	612.0106	Pipe Underdrain 6-Inch	LF	254.000	254.000	
0118	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	162.560		162.560
0120	618.0100	Maintenance And Repair of Haul Roads (project) 01. 6995-00-13	EACH	1.000	1.000	
0122	619.1000	Mobilization	EACH	1.000	0.540	0.460
0124	624.0100	Water	MGAL	46.000	46.000	
0126	625.0100	Topsoil	SY	2,200.000	2,200.000	
0128	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000	
0130	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000	
0132	628.7005	Inlet Protection Type A	EACH	1.000	1.000	
0134	628.7020	Inlet Protection Type D	EACH	58.000	58.000	
0136	628.7560	Tracking Pads	EACH	4.000	4.000	
0138	629.0210	Fertilizer Type B	CWT	1.400	1.400	
0140	631.0300	Sod Water	MGAL	125.000	125.000	
0142	631.1000	Sod Lawn	SY	2,200.000	2,200.000	
0144	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	4.000	4.000	
0146	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	26.000	26.000	
0148	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	2.000	2.000	
0150	637.2210	Signs Type II Reflective H	SF	79.830	79.830	
0152	637.2220	Signs Type II Reflective SH	SF	13.240	13.240	
0154	637.2230	Signs Type II Reflective F	SF	37.750	37.750	
0156	638.2602	Removing Signs Type II	EACH	28.000	28.000	
0158	638.3000	Removing Small Sign Supports	EACH	27.000	27.000	
0160	642.5001	Field Office Type B	EACH	1.000	1.000	
0162	643.0300	Traffic Control Drums	DAY	4,000.000	4,000.000	
0164	643.0410	Traffic Control Barricades Type II	DAY	3,024.000	3,024.000	
0166	643.0420	Traffic Control Barricades Type III	DAY	5,160.000	5,160.000	
0168	643.0705	Traffic Control Warning Lights Type A	DAY	10,596.000	10,596.000	
0170	643.0715	Traffic Control Warning Lights Type C	DAY	4,000.000	4,000.000	
0172	643.0900	Traffic Control Signs	DAY	16,586.000	16,586.000	
0174	643.1000	Traffic Control Signs Fixed Message	SF	84.000	84.000	
0176	643.1050	Traffic Control Signs PCMS	DAY	7.000	7.000	
0178	643.5000	Traffic Control	EACH	1.000	1.000	
0180	644.1410	Temporary Pedestrian Surface Asphalt	SF	800.000	800.000	
0182	644.1420	Temporary Pedestrian Surface Plywood	SF	800.000	800.000	
0184	644.1430	Temporary Pedestrian Surface Plate	SF	800.000	800.000	
0186	644.1601	Temporary Pedestrian Curb Ramp	DAY	5,000.000	5,000.000	
0188	644.1810	Temporary Pedestrian Barricade	LF	1,500.000	1,500.000	
0190	645.0111	Geotextile Type DF Schedule A	SY	141.000	141.000	
0192	645.0220	Geogrid Type SR	SY	9,965.000	9,965.000	
0194	646.1020	Marking Line Epoxy 4-Inch	LF	550.000	550.000	
0196	646.6120	Marking Stop Line Epoxy 18-Inch	LF	105.000	105.000	

Line	Item	Item Description	Unit	Total	6995-00-13 Qty	6995-00-14 Qty
0198	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	820.000	820.000	
0200	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	96.000	96.000	
0202	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	500.000	500.000	
0204	650.4000	Construction Staking Storm Sewer	EACH	40.000	40.000	
0206	650.4500	Construction Staking Subgrade	LF	2,211.000	2,211.000	
0208	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	885.000	885.000	
0210	650.7000	Construction Staking Concrete Pavement	LF	2,211.000	2,211.000	
0212	650.8500	Construction Staking Electrical Installations (project) 01. 6995-00-13	LS	1.000	1.000	
0214	650.9000	Construction Staking Curb Ramps	EACH	26.000	26.000	
0216	650.9910	Construction Staking Supplemental Control (project) 01. 6995-00-13	LS	1.000	1.000	
0218	650.9920	Construction Staking Slope Stakes	LF	2,211.000	2,211.000	
0220	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	41.000	41.000	
0222	653.0135	Pull Boxes Steel 24x36-Inch	EACH	2.000	2.000	
0224	690.0150	Sawing Asphalt	LF	246.000	246.000	
0226	690.0250	Sawing Concrete	LF	988.000	988.000	
0228	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	2,295.000	2,295.000	
0230	740.0440	Incentive IRI Ride	DOL	1,675.000	1,675.000	
0232	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000	
0234	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,200.000	1,200.000	
0236	SPV.0060	Special 01. Reconnect Storm Sewer Laterals	EACH	4.000	4.000	
0238	SPV.0060	Special 02. Concrete Pipe Support	EACH	2.000	2.000	
0240	SPV.0060	Special 03. Remove Ex. Sanitary Manhole	EACH	6.000	6.000	
0242	SPV.0060	Special 04. Remove Ex. Sanitary Vault Structure	EACH	1.000	1.000	
0244	SPV.0060	Special 05. Remove Ex. Water Valve Box	EACH	14.000	14.000	
0246	SPV.0060	Special 06. Remove Ex. Hydrant	EACH	6.000	6.000	
0248	SPV.0060	Special 07. Adjust Ex. Water Valve Box	EACH	4.000	4.000	
0250	SPV.0060	Special 08. Adjust Ex. Curb Stop Box	EACH	1.000	1.000	
0252	SPV.0060	Special 09. Sanitary Manhole (48 Inch)	EACH	3.000	3.000	
0254	SPV.0060	Special 10. Sanitary Manhole (60 Inch)	EACH	2.000	2.000	
0256	SPV.0060	Special 11. Sanitary Drop Manhole (48 Inch)	EACH	1.000	1.000	
0258	SPV.0060	Special 12. Sanitary Drop Manhole (60 Inch)	EACH	1.000	1.000	
0260	SPV.0060	Special 13. Sanitary MH Cover Type J-Special	EACH	7.000	7.000	
0262	SPV.0060	Special 14. Connect to Existing Sanitary Sewer	EACH	6.000	6.000	
0264	SPV.0060	Special 15. Sanitary WYE 30-Inch Main	EACH	17.000	17.000	
0266	SPV.0060	Special 16. Sanitary WYE 24-Inch Main	EACH	41.000	41.000	
0268	SPV.0060	Special 17. Sanitary Lateral Reconnection	EACH	58.000	58.000	
0270	SPV.0060	Special 18. Water Valve & Box 6-Inch	EACH	6.000	6.000	
0272	SPV.0060	Special 19. Water Valve & Box 8-Inch	EACH	12.000	12.000	
0274	SPV.0060	Special 20. Water Valve & Box 10-Inch	EACH	2.000	2.000	
0276	SPV.0060	Special 21. Fire Hydrant	EACH	6.000	6.000	
0278	SPV.0060	Special 22. Cross 8"X8" Special	EACH	1.000	1.000	
0280	SPV.0060	Special 23. Tees 8"x6"x8" Special	EACH	6.000	6.000	
0282	SPV.0060	Special 24. Tees 8"x8"x8" Special	EACH	2.000	2.000	
0284	SPV.0060	Special 25. Tees 10"x6"x10" Special	EACH	1.000	1.000	
0286	SPV.0060	Special 26. Tees 10"x10"x10" Special	EACH	2.000	2.000	
0288	SPV.0060	Special 27. Bend 11.25-Degree 8-Inch Special	EACH	3.000	3.000	
0290	SPV.0060	Special 28. Bend 11.25-Degree 10-Inch Special	EACH	1.000	1.000	
0292	SPV.0060	Special 29. Bend 45-Degree 4-Inch Special	EACH	4.000	4.000	
0294	SPV.0060	Special 30. Bend 45-Degree 6-Inch Special	EACH	6.000	6.000	

Line	Item	Item Description	Unit	Total	6995-00-13 Qty	6995-00-14 Qty
0296	SPV.0060	Special 31. Bend 45-Degree 8-Inch Special	EACH	4.000		4.000
0298	SPV.0060	Special 32. Bend 45-Degree 10-Inch Special	EACH	4.000		4.000
0300	SPV.0060	Special 33. Bend 90-Degree 6-Inch Special	EACH	1.000		1.000
0302	SPV.0060	Special 34. Reducer 8"x4" Special	EACH	2.000		2.000
0304	SPV.0060	Special 35. Reducer 8"x6" Special	EACH	3.000		3.000
0306	SPV.0060	Special 36. Reducer 10"x8" Special	EACH	2.000		2.000
0308	SPV.0060	Special 37. Connect to Existing Watermain	EACH	9.000		9.000
0310	SPV.0060	Special 38. Corporation, Curb Stop & Box (Set)	EACH	58.000		58.000
0312	SPV.0060	Special 39. Water Service Reconnection	EACH	58.000		58.000
0314	SPV.0060	Special 40. Utility Line Opening (ULO)	EACH	15.000	15.000	
0316	SPV.0060	Special 41. Inlet Cover Type Driveway Special	EACH	3.000	3.000	
0318	SPV.0060	Special 42. Temporary Water Service Project 6995-00-14	EACH	1.000		1.000
0320	SPV.0060	Special 43. Abandon/Remove Sanitary Sewer Project 6995-00-14	EACH	1.000		1.000
0322	SPV.0060	Special 44. Abandon/Remove Water Main Project 6995-00-14	EACH	1.000		1.000
0324	SPV.0090	Special 01. Sanitary Sewer Pipe 8-Inch Special	LF	50.000		50.000
0326	SPV.0090	Special 02. Sanitary Sewer Pipe 10-Inch Special	LF	70.000		70.000
0328	SPV.0090	Special 03. Sanitary Sewer Pipe 24-Inch Special	LF	1,570.000		1,570.000
0330	SPV.0090	Special 04. Sanitary Sewer Pipe 30-Inch Special	LF	660.000		660.000
0332	SPV.0090	Special 05. Sanitary Lateral 6-Inch	LF	1,470.000		1,470.000
0334	SPV.0090	Special 06. Sanitary Sewer Televising	LF	2,335.000		2,335.000
0336	SPV.0090	Special 07. PVC Water Main 4-Inch Special	LF	20.000		20.000
0338	SPV.0090	Special 08. PVC Water Main 6-Inch Special	LF	80.000		80.000
0340	SPV.0090	Special 09. PVC Water Main 8-Inch Special	LF	2,370.000		2,370.000
0342	SPV.0090	Special 10. PVC Water Main 10-Inch Special	LF	140.000		140.000
0344	SPV.0090	Special 11. Water Service 1 to 2-Inch Special	LF	1,540.000		1,540.000

CLEARING AND GRUBBING

CATEGORY	STATION	LOCATION	(201.0120) CLEARING ID	(201.0220) GRUBBING ID
0010	24+81	RT	36	36
	25+96	RT	48	48
	29+76	LT	22	22
	31+43	LT	8	8
	PROJECT TOTALS		**114**	**114**

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION	TO STATION	LOCATION	* (204.0100) REMOVING CONCRETE PAVEMENT SY	* (690.0250) SAWING CONCRETE LF
0010	22+73	44+84	LT & RT	9,080	317
	PROJECT TOTALS			**9,080**	**317**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

NOTE: REMOVING PAVEMENT QUANTITY INCLUDES REMOVING CONCRETE CURB & GUTTER WHERE IT IS ADJACENT TO CONCRETE PAVEMENT.

REMOVING CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(204.0150) REMOVING CURB & GUTTER LF	* (690.0250) SAWING CONCRETE LF
0010	29+20	29+20	LT	29	2.5
	29+49	29+50	LT	21	2.5
	70+93	71+12	RT	19	24
	71+46	71+61	RT	16	20
	PROJECT TOTALS			**85**	**49**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	LOCATION	(204.0155) REMOVING CONCRETE SIDEWALK SY	* (690.0250) SAWING CONCRETE LF
0010	22+71	29+19	LT	303	47
	22+72	29+03	RT	298	36
	29+50	39+89	LT	505	57
	29+52	32+61	RT	164	22
	32+95	39+86	RT	347	37
	40+22	44+60	LT	220	17
	40+23	44+70	RT	229	37
	70+91	71+20	RT	23	9
	71+42	71+74	RT	26	16
	PROJECT TOTALS			**2,115**	**278**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

NOTE: REMOVING CONCRETE STEPS SHALL BE PAID FOR AS REMOVING CONCRETE SIDEWALK.

REMOVING STORM SEWER STRUCTURES

CATEGORY	STATION	LOCATION	(204.0210) REMOVING MANHOLES EACH	(204.0220) REMOVING INLETS EACH
0010	22+83	9' LT	1	-
	24+84	14' LT	-	1
	24+88	19' RT	-	1
	26+98	12' LT	1	-
	26+98	19' RT	-	1
	27+14	14' LT	-	1
	29+26	44' LT	1	-
	31+68	14' LT	-	1
	31+96	19' RT	-	1
	32+63	16' RT	1	-
	33+10	19' RT	-	1
	33+53	14' LT	-	1
	38+35	14' LT	-	1
	38+60	19' RT	-	1
	39+90	27' LT	-	1
	39+95	18' RT	1	-
	40+20	27' LT	-	1
	40+37	21' RT	-	1
	40+38	12' LT	-	1
	PROJECT TOTALS		**5**	**14**

REMOVING STORM SEWER

CATEGORY	STATION	TO STATION	LOCATION	(204.0245.01) 12-INCH OR LESS LF	(204.0245.02) 15-INCH LF	(204.0245.03) 18-INCH LF	(204.0245.04) 21-INCH LF	(204.0245.05) 24-INCH LF	(204.0245.06) 36-INCH LF
0010	22+83	22+83	LT & RT	-	-	-	-	23	-
	22+83	24+84	LT	-	-	-	201	-	-
	24+15	24+15	LT & RT	13	-	-	-	-	-
	24+88	24+88	RT & LT	30	-	-	-	-	-
	24+84	26+98	LT	-	-	-	213	-	-
	26+98	26+98	LT & RT	-	-	-	-	30	-
	26+98	26+98	RT	-	-	-	-	10	-
	26+98	26+98	LT	-	-	10	-	-	-
	26+98	27+14	LT	16	-	-	-	-	-
	29+26	29+55	LT & RT	-	-	-	-	-	64
	29+55	29+56	RT	-	-	-	-	-	31
	31+68	31+96	LT & RT	43	-	-	-	-	-
	31+96	32+63	RT	-	68	-	-	-	-
	32+63	33+10	RT	-	-	-	-	46	-
	32+63	32+68	RT	-	-	-	-	35	-
	33+10	33+53	RT & LT	-	-	-	-	55	-
	33+53	33+54	LT	-	-	-	-	8	-
	38+35	38+60	LT & RT	41	-	-	-	-	-
	38+60	39+95	RT	-	136	-	-	-	-
	39+95	40+37	RT	43	-	-	-	-	-
	39+95	39+90	RT & LT	46	-	-	-	-	-
	39+95	39+94	RT	-	27	-	-	-	-
	39+90	40+20	LT	30	-	-	-	-	-
	40+37	40+38	RT & LT	33	-	-	-	-	-
	PROJECT TOTALS			**295**	**231**	**10**	**414**	**207**	**95**

SEALING PIPES

CATEGORY	STATION	TO STATION	LOCATION	(204.0280) SEALING PIPES EACH
0010	22+52	22+80	LT	1
	22+83	-	RT	1
	PROJECT TOTAL			**2**

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	205.0500 MARSH EXCAVATION (6)	205.0200 ROCK EXCAVATION (7)	REDUCED MARSH IN FILL (8) FACTOR 0.60	REDUCED EBS IN FILL (9) FACTOR 0.80	EXPANDED MARSH BACKFILL (10) FACTOR 1.50	EXPANDED EBS BACKFILL (11) FACTOR 1.30	EXPANDED ROCK (12) FACTOR 1.10	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	COMMENT
DIVISION 1																			
EAST DAVIS STREET	22+66/44+73.548		7,720	0	0	7,720	0	0	0	0	0	0	0	41	51	7,669	7,669	0	
DIVISION 1 SUBTOTAL			7,720	0	0	7,720	0	0	0	0	0	0	0	41	51	7,669	7,669	0	
GRAND TOTAL			7,720	0	0	7,720	0	0	0	0	0	0	0	41	51	7,669	7,669	0	
TOTAL COMMON EXCAVATION			7,720																

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(6) MARSH EXCAVATION - TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL. ITEM NUMBER 205.0500

(7) ROCK EXCAVATION ITEM NUMBER 205.0200

(8) REDUCED MARSH IN FILL - EXCAVATED MARSH MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. MARSH IN FILL REDUCTION FACTOR = X.1X

(9) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = X.2X

(10) EXPANDED MARSH BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL. MARSH BACKFILL FACTOR = X.3X. ITEM NUMBER 208.1100

(11) EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT BORROW MATERIAL. EBS BACKFILL FACTOR = X.4X. ITEM NUMBER 208.1100

(12) EXPANDED ROCK FACTOR = X.5X

(13) EXPANDED FILL FACTOR = X.6X

DEPENDING ON SELECTIONS: **EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH - REDUCED EBS) * FILL FACTOR**

OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED EBS) * FILL FACTOR

OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH) * FILL FACTOR

OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK) * FILL FACTOR

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

ASPHALTIC SURFACE

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	* (311.0110) BREAKER RUN TON	(455.0605) TACK COAT GAL	(465.0105) ASPHALTIC SURFACE TON	* (645.0220) GEOGRID TYPE SR SY	* (690.0150) SAWING ASPHALT LF
0010	29+22	29+48	LT	26	22	3	13	58	26
		PROJECT TOTALS		**26**	**22**	**3**	**13**	**58**	**26**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONCRETE PAVEMENT

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(624.0100) WATER MGAL	* (311.0110) BREAKER RUN TON	(415.0080) CONCRETE PAVEMENT 8-INCH SY	(415.1080) CONCRETE PAVEMENT HES 8-INCH SY	* (645.0220) GEOGRID TYPE SR SY
0010	22+73	44+67	LT & RT	3,240	45	5,670	7,465	-	9,722
	44+67	44+84	LT & RT	62	1	108	-	185	185
	70+93	71+12	RT	3	-	-	-	-	-
	71+46	71+61	RT	3	-	-	-	-	-
	PROJECT TOTALS			**3,308**	**46**	**5,778**	**7,465**	**185**	**9,907**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

NOTE: WATER BID ITEM TO BE USED FOR BASE AGGREGATE DUST CONTROL AND COMPACTION.

DRILLED TIE AND DOWEL BARS

CATEGORY	STATION	TO STATION	LOCATION	(416.0610) DRILLED TIE BARS EACH	(416.0620) DRILLED DOWEL BARS EACH
0010	22+73	-	LT & RT	-	26
	29+09	29+47	RT	-	26
	32+68	32+94	RT	-	21
	39+89	40+18	RT	-	23
	39+92	40+18	LT	-	21
	71+71	-	LT	-	13
	71+71	71+37	ON LINE	13	-
	71+37	-	RT	-	12
	71+37	71+17	RT	8	-
	71+17	-	RT	-	12
	71+17	70+90	ON LINE	11	-
	70+90	-	LT	-	13
	70+93	71+12	RT	8	-
	71+46	71+61	RT	6	-
	PROJECT TOTALS			**46**	**167**

CONCRETE CURB & GUTTER

CATEGORY	STATION	TO STATION	LOCATION	(601.0409) CONCRETE CURB & GUTTER 30-INCH TYPE A LF	(601.0411) CONCRETE CURB & GUTTER 30-INCH TYPE D LF	(601.0452) CONCRETE CURB INTEGRAL 30-INCH TYPE D LF	* (650.5500) CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	22+73	29+20	LT	41	10	631	51
	22+73	29+10	RT	44	-	612	44
	29+46	32+66	RT	89	-	275	89
	29+49	39+90	LT	84	-	1,010	84
	32+94	39+88	RT	82	-	664	82
	40+20	44+61	LT	77	-	409	77
	40+20	44+73	RT	73	-	419	73
	70+93	71+12	RT	19	-	-	19
	71+46	71+61	RT	16	-	-	16
	PROJECT TOTALS			**525**	**10**	**4,020**	**535**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONCRETE CURB PEDESTRIAN

CATEGORY	STATION	TO STATION	LOCATION	(601.0600) CONCRETE CURB PEDESTRIAN LF	* (650.5500) CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	29+58	29+74	LT	34	34
	29+61	29+83	RT	29	29
	32+39	32+58	LT	19	19
	32+99	33+05	RT	8	8
	33+04	33+18	RT	28	28
	39+65	39+79	RT	28	28
	39+66	39+82	LT	27	27
	40+29	40+46	RT	31	31
	40+31	40+51	LT	37	37
	44+31	44+45	LT	33	33
	70+91	71+20	RT	29	29
	71+42	71+50	RT	19	19
	71+56	71+74	RT	28	28
	PROJECT TOTALS			**350**	**350**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONCRETE SIDEWALK

CATEGORY	STATION	TO STATION	LOCATION	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(602.0405) CONCRETE SIDEWALK 4-INCH SF	(602.0415) CONCRETE SIDEWALK 6-INCH SF	(602.0505) CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	(650.9000) CONSTRUCTION STAKING CURB RAMPS EACH
0010	22+71	29+20	LT	95	2,730	755	20	2
	22+72	29+08	RT	92	2,450	795	20	2
	29+48	32+64	RT	49	1,565	285	40	4
	29+50	39+91	LT	153	4,635	1,050	50	5
	32+95	39+87	RT	104	3,205	680	30	3
	40+20	44+59	LT	67	2,130	320	40	4
	40+21	44+71	RT	69	2,310	310	40	4
	70+91	71+20	RT	5	210	-	10	1
	71+42	71+74	RT	6	245	-	10	1
	PROJECT TOTALS			**641**	**19,480**	**4,195**	**260**	**26**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

DRIVEWAYS

CATEGORY	STATION	LOCATION	* (204.0100) REMOVING CONCRETE PAVEMENT SY	(305.0110) BASE AGGREGATE DENSE 3/4-INCH TON	* (305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(416.0160) CONCRETE DRIVEWAY 6-INCH APRON SY	(416.0160) CONCRETE DRIVEWAY 6-INCH BEHIND SIDEWALK SY	(416.0260) CONCRETE DRIVEWAY HES 6-INCH SY	(465.0120) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	* (690.0150) SAWING ASPHALT LF	* (690.0250) SAWING CONCRETE LF
0010	23+22	RT	23	-	13	22	-	-	3.1	53	-
	23+30	LT	5	-	6	6	-	-	2.0	8	-
	23+95	RT	10	-	4	8	4	-	-	-	19
	24+08	LT	6	-	3	6	-	-	0.4	10	-
	24+73	LT	6	-	4	6	-	-	1.4	11	-
	25+05	RT	15	-	5	8	5	-	-	-	19
	25+31	RT	6	-	3	-	-	14	0.4	10	-
	25+46	LT	10	-	6	10	-	-	1.6	21	-
	26+45	LT	5	1.6	2	7	-	-	-	-	-
	26+51	RT	8	-	3	6	2	-	-	-	8
	27+04	LT	8	-	3	6	2	-	-	-	10
	27+06	RT	9	0.6	3	7	2	-	-	-	8
	27+57	RT	10	-	3	8	-	-	-	-	18
	27+70	LT	22	-	8	11	13	-	-	-	30
	28+25	RT	6	-	3	6	-	-	0.4	11	-
	28+34	LT	14	-	5	10	3	-	-	-	8
	29+90	RT	10	-	3	6	2	-	-	-	11
	30+84	RT	19	1.5	5	12	5	-	-	-	14
	31+00	LT	6	-	2	6	-	-	-	12	-
	31+47	RT	6	0.8	2	6	-	-	-	-	-
	31+54	LT	6	-	3	6	-	-	0.4	10	-
	32+21	LT	11	-	4	6	5	-	-	-	11
	32+81	LT	12	-	4	6	6	-	-	-	9
	33+14	LT	9	-	5	11	5	-	-	-	24
	33+93	RT	13	-	4	6	5	-	-	-	11
	34+34	LT	15	-	7	10	4	-	1.3	11	10
	34+41	RT	9	-	3	6	2	-	-	-	10
	34+92	RT	6	-	4	6	-	-	0.8	11	-
	35+30	LT	7	1.8	2	6	-	-	-	-	-
	35+66	RT	9	-	3	6	2	-	-	-	10
	35+99	LT	-	1.8	2	6	-	-	-	-	-
	36+49	RT	9	-	3	7	3	-	-	-	10
	36+74	LT	11	-	9	9	-	-	3.3	19	-
	37+32	RT	6	2.1	2	7	-	-	-	-	-
	37+51	RT	7	-	2	6	-	-	-	-	-
	37+77	LT	14	1.4	4	10	3	-	-	-	9
	38+12	RT	13	-	4	6	5	-	-	-	12
	38+25	LT	5	1.5	2	6	-	-	-	-	-
	38+71	LT	10	-	3	6	4	-	-	-	10
	38+76	RT	12	-	4	7	6	-	-	-	16
	41+10	LT	48	-	15	8	35	-	-	-	18
	41+37	RT	6	0.9	2	6	-	-	-	-	-
	41+99	LT	5	-	2	-	-	13	-	10	-
	42+02	RT	10	-	4	8	-	-	0.6	12	-
	42+57	LT	20	1.7	5	8	7	-	-	-	11
	42+72	RT	6	-	3	6	2	-	-	-	8
	43+67	LT	43	-	14	9	32	-	-	-	20
	43+74	RT	6	-	3	6	-		0.4	11	-
SUBTOTALS			**-**	**-**	**-**	**346**	**166**	**-**	**-**	**-**	**-**
PROJECT TOTALS			**533**	**16**	**205**	**512**		**27**	**16**	**220**	**344**

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONCRETE COLLARS FOR PIPE

CATEGORY	STATION	LOCATION	(520.8000) CONCRETE COLLARS FOR PIPE EACH
0010	26+98	28' RT	1
	26+98	22' LT	1
	29+56	43' RT	1
	32+68	50' RT	1
	33+54	22' LT	1
	39+94	45' RT	1
	PROJECT TOTAL		**6**

RECONNECT STORM SEWER LATERALS

CATEGORY	STATION	LOCATION	(SPV.0060.01) RECONNECT STORM SEWER LATERALS EACH	NOTES
0010	31+68.50	12.50' LT	1	1-INCH PVC
	39+88.52	21.38' LT	1	3-INCH PVC
	UNDISTRIBUTED		2	
	PROJECT TOTAL		**4**	

ADJUSTING STORM SEWER STRUCTURES

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(611.8110) ADJUSTING MANHOLE COVERS EACH	(611.8115) ADJUSTING INLET COVERS EACH
0010	EX.1B	22+83.00	13.80' RT	1	-
	EX.5A	44+60.62	25.53' LT	-	1
	EX.5B	44+70.85	18.90' RT	1	-
		PROJECT TOTALS		**2**	**1**

CONCRETE PIPE SUPPORT

CATEGORY	STATION	LOCATION	(SPV.0060.02) CONCRETE PIPE SUPPORT EACH
0010	UNDISTRIBUTED		2
	PROJECT TOTAL		**2**

PIPE UNDERDRAIN

CATEGORY	LOW POINT STRUCTURE	LOW POINT STATION	LOW POINT LOCATION	(612.0106) PIPE UNDERDRAIN 6-INCH LF	(310.0115) BASE AGGREGATE OPEN-GRADED CY	(645.0111) GEOTEXTILE TYPE DF SCHEDULE A SY
0010	2.1A	26+98.00	12.50' LT	50	2	28
	2.2	26+98.00	18.50' RT	60	2	33
	3.1A	31+68.50	12.50' LT	50	2	28
	3.1E	31+71.00	18.50' RT	44	2	24
	4.1A	38+47.00	12.50' LT	20	1	11
	4.1B	38+47.00	18.50' RT	30	1	17
		PROJECT TOTALS		**254**	**10**	**141**

UTILITY LINE OPENING (ULO)

CATEGORY	STATION	LOCATION	(SPV.0060.40) UTILITY LINE OPENING (ULO) EACH
0010	UNDISTRIBUTED		15
	PROJECT TOTAL		**15**

STORM SEWER PIPE

CATEGORY	PIPE ID	FROM STRUCTURE ID	TO STRUCTURE ID	(608.3012) STORM SEWER PIPE CLASS III-A 12-INCH LF	(608.3015) STORM SEWER PIPE CLASS III-A 15-INCH LF	(608.3018) STORM SEWER PIPE CLASS III-A 18-INCH LF	(608.3030) STORM SEWER PIPE CLASS III-A 30-INCH LF	(608.3036) STORM SEWER PIPE CLASS III-A 36-INCH LF	(608.0412) STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	(608.0415) STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	(608.0418) STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	(608.0424) STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	(608.0430) STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	(608.6010) STORM SEWER PIPE COMPOSITE 10-INCH LF
0010	P1-1	EX.1B	1.1	-	-	-	167	-	-	-	-	-	-	-
	P1-2	1.1	2.1	-	-	-	-	-	-	-	-	-	241	-
	P1-3	1.1	1.1A	24	-	-	-	-	-	-	-	-	-	-
	P1-4	1.1A	1.1B	30	-	-	-	-	-	-	-	-	-	-
	P1-5	1.1	1.1C	-	8	-	-	-	-	-	-	-	-	-
	P1-6	1.1C	1.1D	10	-	-	-	-	-	-	-	-	-	-
	P1-7	1.1C	1.1E	10	-	-	-	-	-	-	-	-	-	-
	P1-8	1.1B	EX.1C	-	-	-	-	-	-	-	-	-	-	13
	P2-1	2.1	2.1A	-	-	-	-	-	-	-	25	-	-	-
	P2-2	2.1A	2.1B	-	-	-	-	-	10	-	-	-	-	-
	P2-3	2.1A	2.1C	-	-	-	-	-	20	-	-	-	-	-
	P2-4	2.1	2.1D	-	-	-	-	-	8	-	-	-	-	-
	P2-5	2.1	2.2	-	-	-	-	-	-	-	-	-	10	-
	P2-6	2.2	2.2A	-	-	-	-	-	-	20	-	-	-	-
	P2-7	2.2A	2.2B	-	-	-	-	-	10	-	-	-	-	-
	P2-8	2.3	2.4	-	-	-	-	63	-	-	-	-	-	-
	P2-9	2.2	EX. P2-1	-	-	-	-	-	-	-	-	-	10	-
	P2-10	2.1A	EX. P2-2	-	-	10	-	-	-	-	-	-	-	-
	P2-11	2.3	EX. P2-3	-	-	-	-	31	-	-	-	-	-	-
	P3-1	3.1	3.2	-	-	-	-	-	-	-	-	92	-	-
	P3-2	3.2	3.3	-	-	-	-	-	-	-	-	52	-	-
	P3-3	3.1	3.1A	-	-	-	-	-	-	-	24	-	-	-
	P3-4	3.1A	3.1B	-	-	-	-	-	10	-	-	-	-	-
	P3-5	3.1A	3.1C	-	-	-	-	-	10	-	-	-	-	-
	P3-6	3.1C	3.1D	-	-	-	-	-	10	-	-	-	-	-
	P3-7	3.1	3.1E	-	-	-	-	-	-	-	8	-	-	-
	P3-8	3.1R	3.1F	-	-	-	-	-	24	-	-	-	-	-
	P3-9	3.3	3.3A	-	-	-	-	-	-	-	-	44	-	-
	P3-10	3.3	3.3B	-	-	-	-	-	8	-	-	-	-	-
	P3-11	3.1F	CAP	-	-	-	-	-	12	-	-	-	-	-
	P3-12	3.2	EX. P3-1	-	-	-	-	-	-	-	-	35	-	-
	P3-13	3.3A	EX. P3-2	-	-	-	-	-	-	-	-	10	-	-
	P4-1	4.1	4.2	-	-	148	-	-	-	-	-	-	-	-
	P4-2	4.2	4.3	-	-	53	-	-	-	-	-	-	-	-
	P4-3	4.1	4.1A	-	-	-	-	-	23	-	-	-	-	-
	P4-4	4.1	4.1B	-	-	-	-	-	8	-	-	-	-	-
	P4-5	4.1B	4.1C	-	-	-	-	-	10	-	-	-	-	-
	P4-6	4.2	4.2A	-	-	40	-	-	-	-	-	-	-	-
	P4-7	4.2A	4.2B	-	-	14	-	-	-	-	-	-	-	-
	P4-8	4.2B	4.2C	29	-	-	-	-	-	-	-	-	-	-
	P4-9	4.2C	4.2D	10	-	-	-	-	-	-	-	-	-	-
	P4-10	4.3	4.3A	25	-	-	-	-	-	-	-	-	-	-
	P4-11	4.3	4.3B	7	-	-	-	-	-	-	-	-	-	-
	P4-12	4.3B	4.3C	10	-	-	-	-	-	-	-	-	-	-
	P4-13	4.2	EX. P4-1	-	-	27	-	-	-	-	-	-	-	-
PROJECT TOTALS				**155**	**8**	**292**	**167**	**94**	**163**	**20**	**57**	**233**	**261**	**13**

3

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE I.D.	STATION	LOCATION	(611.2004) MANHOLES 4-FT DIAMETER EACH	(611.2005) MANHOLES 5-FT DIAMETER EACH	(611.2006) MANHOLES 6-FT DIAMETER EACH	(611.3004) INLETS 4-FT DIAMETER EACH	(611.3230) INLETS 2x3-FT EACH	(611.0530) MANHOLE COVERS TYPE J EACH	(611.0624) INLET COVERS TYPE H EACH	(SPV.0060.41) INLET COVER TYPE DRIVEWAY SPECIAL EACH	(650.4000) CONSTRUCTION STAKING STORM SEWER EACH	TOP OF STRUCTURE ELEVATION	BOX DEPTH FEET	RIM ELEVATION	INVERT ELEVATION
0010	1.1	24+50.00	11.00' RT	-	1	-	-	-	1	-	-	1	859.68	4.85	860.93	854.83
	1.1A	24+50.00	12.50' LT	-	-	-	-	1	-	1	-	1	860.53	3.40	861.40	857.12
	1.1B	24+20.00	12.50' LT	-	-	-	-	1	-	1	-	1	861.00	2.85	861.87	858.15
	1.1C	24+50.00	18.50' RT	-	-	-	-	1	-	1	-	1	859.76	3.64	860.63	856.11
	1.1D	24+40.00	18.50' RT	-	-	-	-	1	-	1	-	1	859.91	3.50	860.78	856.41
	1.1E	24+60.00	18.50' RT	-	-	-	-	1	-	1	-	1	859.60	3.19	860.47	856.41
	2.1	26+91.00	11.00' RT	-	-	1	-	-	1	-	-	1	856.54	2.92	857.79	853.62
	2.1A	26+98.00	12.50' LT	-	-	-	-	1	-	-	1	1	856.84	2.98	857.71	853.86
	2.1B	26+88.00	12.50' LT	-	-	-	-	1	-	1	-	1	856.89	2.48	857.76	854.41
	2.1C	27+18.00	12.50' LT	-	-	-	-	1	-	1	-	1	856.87	2.40	857.74	854.46
	2.1D	26+88.00	18.50' RT	-	-	-	-	1	-	1	-	1	856.76	2.60	857.63	854.16
	2.2	26+98.00	18.50' RT	-	1	-	-	-	-	-	1	1	856.71	3.13	857.58	853.57
	2.2A	27+18.00	18.50' RT	-	-	-	-	1	-	1	-	1	856.75	2.33	857.62	854.42
	2.2B	27+28.00	18.50' RT	-	-	-	-	1	-	1	-	1	856.79	2.06	857.66	854.72
	2.3	29+55.00	12.00' RT	-	-	1	-	-	1	-	-	1	859.86	7.79	861.11	852.07
	2.4	29+25.55	43.76' LT	-	-	1	-	-	1	-	-	1	860.46	7.15	861.71	853.31
	3.1	31+71.00	11.00' RT	-	1	-	-	-	1	-	-	1	855.71	3.04	856.96	852.67
	3.1A	31+68.50	12.50' LT	-	-	-	-	1	-	1	-	1	856.03	2.74	856.90	853.29
	3.1B	31+58.50	12.50' LT	-	-	-	-	1	-	-	1	1	856.07	2.23	856.94	853.84
	3.1C	31+78.50	12.50' LT	-	-	-	-	1	-	1	-	1	856.07	2.23	856.94	853.84
	3.1D	31+88.50	12.50' LT	-	-	-	-	1	-	1	-	1	856.12	2.23	856.99	853.89
	3.1E	31+71.00	18.50' RT	-	-	-	-	1	-	1	-	1	855.91	2.69	856.78	853.21
	3.1F	31+95.00	18.50' RT	-	-	-	-	1	-	1	-	1	856.03	2.19	856.90	853.83
	3.2	32+63.36	15.63' RT	-	1	-	-	-	1	-	-	1	856.44	4.86	857.69	851.58
	3.3	33+15.00	11.00' RT	-	1	-	-	-	1	-	-	1	857.13	3.39	858.38	853.74
	3.3A	33+52.50	12.50' LT	-	-	-	1	-	-	1	-	1	857.89	2.90	858.76	854.98
	3.3B	33+15.00	18.50' RT	-	-	-	-	1	-	1	-	1	857.36	2.58	858.23	854.78
	4.1	38+47.00	11.00' RT	1	-	-	-	-	1	-	-	1	863.28	2.99	864.53	860.29
	4.1A	38+47.00	12.50' LT	-	-	-	-	1	-	1	-	1	864.32	3.06	865.19	861.26
	4.1B	38+47.00	18.50' RT	-	-	-	-	1	-	1	-	1	863.30	2.46	864.17	860.83
	4.1C	38+37.00	18.50' RT	-	-	-	-	1	-	1	-	1	863.33	2.45	864.20	860.88
	4.2	39+94.90	18.40' RT	-	1	-	-	-	1	-	-	1	864.03	4.48	865.28	859.55
	4.2A	39+88.52	21.38' LT	-	-	-	1	-	-	1	-	1	864.97	4.61	865.84	860.36
	4.2B	39+90.56	35.50' LT	-	-	-	1	-	-	1	-	1	865.18	4.75	866.05	860.43
	4.2C	40+19.51	34.94' LT	-	-	-	-	1	-	1	-	1	865.49	3.98	866.36	861.51
	4.2D	40+19.82	44.94' LT	-	-	-	-	1	-	1	-	1	865.56	3.84	866.43	861.71
	4.3	40+48.00	12.00' RT	1	-	-	-	-	1	-	-	1	864.42	4.34	865.67	860.08
	4.3A	40+48.00	12.50' LT	-	-	-	-	1	-	1	-	1	865.47	4.38	866.34	861.08
	4.3B	40+48.00	18.50' RT	-	-	-	-	1	-	1	-	1	864.60	3.88	865.47	860.72
	4.3C	40+58.00	18.50' RT	-	-	-	-	1	-	1	-	1	864.55	3.63	865.42	860.91
	PROJECT TOTALS			**2**	**6**	**3**	**3**	**26**	**10**	**27**	**3**	**40**				

FINISHING ITEMS

CATEGORY	STATION	TO STATION	LOCATION	(625.0100) TOPSOIL SY	(629.0210) FERTILIZER TYPE B CWT	(631.1000) SOD LAWN SY	(631.0300) SOD WATER MGAL
0010	22+65	29+20	LT	276	0.17	276	16
	22+65	29+09	RT	270	0.17	270	15
	29+46	32+66	RT	138	0.09	138	8
	29+50	39+90	LT	444	0.28	444	25
	32+95	39+87	RT	306	0.19	306	17
	40+20	44+60	LT	221	0.14	221	13
	40+20	44+72	RT	271	0.17	271	15
	70+91	71+20	RT	25	0.02	25	1
	71+42	71+74	RT	25	0.02	25	1
		UNDISTRIBUTED		225	0.15	225	14
		PROJECT TOTALS		**2,200**	**1.40**	**2,200**	**125**

MOBILIZATIONS EROSION CONTROL

CATEGORY	DESCRIPTION	(628.1905) EACH	(628.1910) EMERGENCY EACH
0010	PROJECT 6995-00-13	12	6
	PROJECT TOTALS	**12**	**6**

TRACKING PADS

CATEGORY	DESCRIPTION	(628.7560) TRACKING PADS EACH
0010	BEGIN PROJECT LIMITS	1
	END PROJECT LIMITS	1
	UNDISTRIBUTED	2
	PROJECT TOTAL	**4**

INLET PROTECTION

CATEGORY	STATION	LOCATION	(628.7005) INLET PROTECTION TYPE A EACH	(628.7020) INLET PROTECTION TYPE D EACH	NOTES
0010	SPRING ST. SOUTH OF E. DAVIS ST.		-	2	EXISTING
	24+15	LT	1	-	EXISTING
	24+20	LT	-	1	PROPOSED
	24+20	RT	-	1	PROPOSED
	24+50	LT	-	1	PROPOSED
	24+50	RT	-	1	PROPOSED
	24+60	RT	-	1	PROPOSED
	24+84	LT	-	1	EXISTING
	24+88	RT	-	1	EXISTING
	26+88	LT	-	1	PROPOSED
	26+88	RT	-	1	PROPOSED
	26+98	LT	-	1	PROPOSED
	26+98	RT	-	1	EXISTING
	26+98	RT	-	1	PROPOSED
	27+14	LT	-	1	EXISTING
	27+18	LT	-	1	PROPOSED
	27+18	RT	-	1	PROPOSED
	27+28	RT	-	1	PROPOSED
	S. LINCOLN AVE. NORTH OF E. DAVIS ST.		-	2	EXISTING
	S. LINCOLN AVE. SOUTH OF E. DAVIS ST.		-	2	EXISTING
	31+59	LT	-	1	PROPOSED
	31+68	LT	-	1	EXISTING
	31+69	LT	-	1	PROPOSED
	31+71	RT	-	1	PROPOSED
	31+79	LT	-	1	PROPOSED
	31+89	LT	-	1	PROPOSED
	31+95	RT	-	1	PROPOSED
	31+96	RT	-	1	EXISTING
	JEFFERSON ST. SOUTH OF E. DAVIS ST.		-	2	EXISTING
	33+10	RT	-	1	EXISTING
	33+15	RT	-	1	PROPOSED
	33+53	LT	-	1	EXISTING
	33+53	LT	-	1	PROPOSED
	38+35	LT	-	1	EXISTING
	38+37	RT	-	1	PROPOSED
	38+47	LT	-	1	PROPOSED
	38+47	RT	-	1	PROPOSED
	38+60	RT	-	1	EXISTING
	ROEDL COURT SOUTH OF E. DAVIS ST.		-	2	EXISTING
	39+88	LT	-	1	PROPOSED
	39+90	LT	-	1	EXISTING
	39+91	LT	-	1	PROPOSED
	40+20	LT	-	1	EXISTING
	40+20	LT	-	1	PROPOSED
	40+20	LT	-	1	PROPOSED
	40+37	RT	-	1	EXISTING
	40+38	LT	-	1	EXISTING
	40+48	LT	-	1	PROPOSED
	40+48	RT	-	1	PROPOSED
	40+58	RT	-	1	PROPOSED
	44+60	LT	-	1	EXISTING
	71+37	RT	-	1	EXISTING
	S. UNIVERSITY AVE. SOUTH OF E. DAVIS ST.		-	2	EXISTING
	PROJECT TOTALS		**1**	**58**	

3

REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	LOCATION	(638.2602) REMOVING SIGNS TYPE II EACH	(638.3000) REMOVING SMALL SIGN SUPPORTS EACH	NOTES
0010	E1-1	23+59	LT	1	1	
	E1-2	25+12	LT	1	1	
	E1-3	26+74	LT	1	1	
	E2-1	28+68	LT	1	1	
	E2-2	29+19	LT	1	1	
	E2-3	29+59	LT	1	1	
	E2-4	30+36	LT	1	1	
	E2-5	32+05	LT	1	1	
	E2-6	29+52	RT	1	1	
	E2-7	31+32	RT	1	-	ON UTILITY POLE
	E2-8	31+99	RT	1	1	
	E2-9	32+97	RT	1	1	
	E2-10	33+04	RT	1	1	
	E3-1	33+96	LT	1	1	
	E3-2	35+74	LT	1	1	
	E3-3	37+53	LT	1	1	
	E3-4	39+36	LT	1	1	
	E4-1	39+88	LT	1	1	
	E4-2	40+30	LT	1	1	
	E4-3	40+94	LT	1	1	
	E4-4	42+09	LT	1	1	
	E4-5	42+72	LT	1	1	
	E4-6	44+07	LT	1	1	
	E4-7	44+55	LT	1	1	
	E4-8	40+24	RT	1	1	
	E4-9	43+86	RT	1	1	
	E4-10	44+52	RT	1	1	
	E4-11	44+68	RT	1	1	
PROJECT TOTALS				**28**	**27**	

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

PAVEMENT MARKINGS

CATEGORY	STATION	TO STATION	(646.1020) MARKING LINE EPOXY 4-INCH (YELLOW) LF	(646.6120) MARKING STOP LINE EPOXY 18-INCH LF	(646.7420) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	(646.7520) MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF
0010	22+60	44+84	550	105	820	96
PROJECT TOTALS			**550**	**105**	**820**	**96**

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	SIZE IN X IN	(634.0812) POSTS TUBULAR STEEL 2x2-INCH X 12-FT EACH	(634.0814) POSTS TUBULAR STEEL 2x2-INCH X 14-FT EACH	(634.0816) POSTS TUBULAR STEEL 2x2-INCH X 16-FT EACH	(637.2210) SIGNS TYPE II REFLECTIVE H SF	(637.2220) SIGNS TYPE II REFLECTIVE SH SF	(637.2230) SIGNS TYPE II REFLECTIVE F SF	NOTES
0010	1-1	23+55	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	1-2	25+07	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	1-3	26+71	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	2-1	28+71	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	2-2	29+17	LT	R1-1	30" X 30"	-	1	-	5.18	-	-	
	2-3	29+57	LT	D3-1	-	1	-	-	-	-	-	SIGN BY OTHERS
	2-4	29+57	LT	D3-1	-	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 2-3
	2-5	30+32	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	2-6	31+83	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	2-7	32+55	LT	S1-1	36" X 36"	-	1	-	-	-	6.75	
	2-8	32+55	LT	S16-7L	24" X 12"	-	-	-	-	-	2.00	ON POST WITH SIGN 2-7
	2-9	33+40	LT	R7-1D	18" X 24"	-	1	-	-	-	-	
	2-10	29+52	RT	R1-1	30" X 30"	-	1	-	5.18	-	-	
	2-11	30+04	RT	S4-51	24" X 48"	-	-	1	-	6.62	1.38	
	2-12	30+65	RT	S1-1	36" X 36"	-	1	-	-	-	6.75	
	2-13	30+65	RT	S16-9P	24" X 12"	-	-	-	-	-	2.00	ON POST WITH SIGN 2-12
	2-14	32+42	RT	S1-1	36" X 36"	-	1	-	-	-	6.75	
	2-15	32+42	RT	S16-7L	24" X 12"	-	-	-	-	-	2.00	ON POST WITH SIGN 2-14
	2-16	32+97	RT	R1-1	30" X 30"	-	1	-	5.18	-	-	
	2-17	33+02	RT	D3-1	-	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 2-19
	2-18	33+02	RT	D3-1	-	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 2-19
	2-19	33+02	RT	R9-3A	18" X 18"	1	-	-	2.25	-	-	4-FT MOUNTING HEIGHT TO BOTTOM SIGN
	2-20	33+02	RT	R9-3BL	18" x 12"	-	-	-	1.50	-	-	4-FT MOUNTING HEIGHT TO BOTTOM SIGN, ON POST WITH SIGN 2-19
	3-1	34+12	LT	S1-1	36" X 36"	-	1	-	-	-	6.75	
	3-2	34+12	LT	S16-9P	24" X 12"	-	-	-	-	-	2.00	ON POST WITH SIGN 3-1
	3-3	34+92	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	3-4	36+47	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	3-5	38+03	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	3-6	39+30	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	4-1	39+87	LT	R1-1	30" X 30"	-	1	-	5.18	-	-	
	4-2	40+29	LT	D3-1	-	1	-	-	-	-	-	SIGN BY OTHERS
	4-3	40+29	LT	D3-1	-	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 4-2
	4-4	40+66	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	4-5	41+66	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	4-6	42+14	LT	S4-51	24" X 48"	-	-	1	-	6.62	1.38	
	4-7	43+00	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	4-8	44+09	LT	R7-1D	18" X 24"	-	1	-	3.00	-	-	
	4-9	44+56	LT	D3-1	-	1	-	-	-	-	-	SIGN BY OTHERS
	4-10	44+56	LT	D3-1	-	-	-	-	-	-	-	SIGN BY OTHERS, ON POST WITH SIGN 4-9
	4-11	40+22	RT	R1-1	30" X 30"	-	1	-	5.18	-	-	
	4-12	43+86	RT	R7-51L	18" X 24"	-	1	-	3.00	-	-	
	4-13	44+41	RT	R1-1	30" X 30"	-	1	-	5.18	-	-	
PROJECT TOTALS						**4**	**26**	**2**	**79.83**	**13.24**	**37.75**	

TRAFFIC CONTROL

CATEGORY	DESCRIPTION	(643.5000) TRAFFIC CONTROL EACH	BARRICADES TYPE III NO. DEVICES	* (643.0420) TRAFFIC CONTROL BARRICADES TYPE III DAY	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	SIGNS FIXED MESSAGE NO. DEVICES	* (643.1000) TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	SIGNS PCMS NO. DEVICES	(643.1050) TRAFFIC CONTROL SIGNS PCMS DAY	DURATION	
0010	W. DAVIS STREET	-	-	-	-	-	3	504	-	-	1	7	168	DAYS
	E. DAVIS STREET	-	8	1,344	10	1,680	2	336	-	-	-	-	168	DAYS
	S. SPRING STREET	-	-	-	-	-	6	1,008	4	12.00	-	-	168	DAYS
	S. LINCOLN AVENUE	-	8	1,344	12	2,016	6	1,008	-	-	-	-	168	DAYS
	JEFFERSON STREET	-	4	672	6	1,008	2	336	-	-	-	-	168	DAYS
	ROEDL COURT	-	8	1,344	12	2,016	5	840	-	-	-	-	168	DAYS
	S. UNIVERSITY AVENUE	-	-	-	-	-	6	1,008	4	12.00	-	-	168	DAYS
	PROJECT 6995-00-13	1	-	-	-	-	-	-	-	-	-	-	-	-
	PROJECT TOTALS	**1**		**4,704**		**6,720**		**5,040**		**24.00**		**7**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

E. DAVIS STREET DETOUR

CATEGORY	DESCRIPTION	BARRICADES TYPE III NO. DEVICES	* (643.0420) TRAFFIC CONTROL BARRICADES TYPE III DAY	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	SIGNS FIXED MESSAGE NO. DEVICES	* (643.1000) TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	DURATION	
0010	W. DAVIS STREET	-	-	-	-	6	1,008	2	6.00	168	DAYS
	E. DAVIS STREET	2	336	4	672	2	336	-	-	168	DAYS
	S. SPRING STREET	-	-	-	-	12	2,016	6	18.00	168	DAYS
	STONE STREET	-	-	-	-	12	2,016	6	18.00	168	DAYS
	S. UNIVERSITY AVENUE	-	-	-	-	9	1,512	4	12.00	168	DAYS
	PROJECT TOTALS		**336**		**672**		**6,888**		**54.00**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

S. UNIVERSITY AVENUE CLOSURE DETOUR

CATEGORY	DESCRIPTION	BARRICADES TYPE III NO. DEVICES	* (643.0420) TRAFFIC CONTROL BARRICADES TYPE III DAY	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	DURATION	
0010	S. UNIVERSITY AVENUE	12	120	18	180	19	190	10	DAYS
	WEBSTER STREET	-	-	-	-	4	40	10	DAYS
	WARREN STREET	-	-	-	-	4	40	10	DAYS
	STONE STREET	-	-	-	-	2	20	10	DAYS
	PROJECT TOTALS		**120**		**180**		**290**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PEDESTRIAN ACCESS

CATEGORY	DESCRIPTION	(643.0300) TRAFFIC CONTROL DRUMS DAY	(643.0715) TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	(644.1410) TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	(644.1420) PLYWOOD SF	(644.1430) PLATE SF	TEMPORARY PEDESTRIAN CURB RAMP NO. DEVICES	(644.1601) TEMPORARY PEDESTRIAN CURB RAMP DAY	(644.1810) TEMPORARY PEDESTRIAN BARRICADE LF	(649.0150) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	DURATION	
0010	E. DAVIS STREET/S. SPRING STREET	-	-	-	-	-	-	-	80	-	168	DAYS
	E. DAVIS STREET/LINCOLN AVENUE	-	-	-	-	-	8	1,344	200	120	168	DAYS
	E. DAVIS STREET/JEFFERSON STREET	-	-	-	-	-	6	1,008	200	50	168	DAYS
	E. DAVIS STREET/ROEDL COURT	-	-	-	-	-	8	1,344	200	110	168	DAYS
	E. DAVIS STREET/S. UNIVERSITY AVENUE	-	-	-	-	-	6	1,008	100	140	168	DAYS
	UNDISTRIBUTED	4,000	4,000	800	800	800	-	296	720	80	168	DAYS
	PROJECT TOTALS	**4,000**	**4,000**	**800**	**800**	**800**		**5,000**	**1,500**	**500**		

PEDESTRIAN DETOUR

CATEGORY	DESCRIPTION	BARRICADES TYPE II NO. DEVICES	(643.0410) TRAFFIC CONTROL BARRICADES TYPE II DAY	WARNING LIGHTS TYPE A NO. DEVICES	* (643.0705) TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	SIGNS NO. DEVICES	* (643.0900) TRAFFIC CONTROL SIGNS DAY	SIGNS FIXED MESSAGE NO. DEVICES	* (643.1000) TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	DURATION	
0010	E. DAVIS STREET/SPRING STREET	2	336	2	336	4	672	-	-	168	DAYS
	S. SPRING STREET/STONE AVENUE	2	336	2	336	4	672	1	3.00	168	DAYS
	STONE AVENUE/S. UNIVERSITY AVENUE	2	336	2	336	4	672	1	3.00	168	DAYS
	E. DAVIS STREET/S. UNIVERSITY AVENUE	2	336	2	336	4	672	-	-	168	DAYS
	E. DAVIS STREET/S. LINCOLN AVENUE	4	672	4	672	4	672	-	-	168	DAYS
	E. DAVIS STREET/JEFFERSON STREET	2	336	2	336	2	336	-	-	168	DAYS
	E. DAVIS STREET/ROEDL COURT	4	672	4	672	4	672	-	-	168	DAYS
	PROJECT TOTALS		**3,024**		**3,024**		**4,368**		**6.00**		

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

CONSTRUCTION STAKING

CATEGORY	STATION	TO STATION	LOCATION	(650.4500) SUBGRADE LF	(650.7000) CONCRETE PAVEMENT LF	(650.8500.01) ELECTRICAL INSTALLATIONS LS	(650.9910.01) SUPPLEMENTAL CONTROL LS	(650.9920) SLOPE STAKES LF
0010	22+73	44+84	LT & RT	2,211	2,211	-	-	2,211
		PROJECT 6995-00-13		-	-	1	1	-
		PROJECT TOTALS		**2,211**	**2,211**	**1**	**1**	**2,211**

FILE NAME : G:\00\00218\00218045\CADD - GENERAL\!CADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\030201-MQ BORDER.DWG
LAYOUT NAME - 030201-mq
PLOT DATE : 3/11/2021 8:31 AM PLOT BY : JASON DOLENS PLOT NAME :
WISDOT/CADDS SHEET 42

CONDUIT

CATEGORY	FROM	TO	(652.0225) CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF
0010	PB1	STUB	2
	PB1	PB2	37
	PB2	STUB	2
	PROJECT TOTAL		**41**

PULL BOXES

CATEGORY	PULL BOX NUMBER	STATION	LOCATION	(653.0135) PULL BOXES STEEL 24x36-INCH EACH
0010	PB1	32+40.50	15.25' LT	1
	PB2	32+40.50	21.25' RT	1
		PROJECT TOTAL		**2**

REMOVE EXISTING WATER STRUCTURES

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	(SPV.0060.05) REMOVE EX. WATER VALVE BOX EACH	(SPV.0060.06) REMOVE EX. HYDRANT EACH
0010	25+99.1	16.2'	LT	-	1
	29+19.8	6.4'	LT	1	-
	29+25.5	28.5'	LT	1	-
	29+25.4	28.0'	RT	1	-
	29+44.5	22.9'	LT	1	-
	29+63.2	4.8'	LT	1	-
	29+67.3	15.6'	LT	1	-
	29+67.4	16.9'	LT	-	1
	32+75.8	4.8'	LT	1	-
	32+89.5	5.2'	LT	1	-
	32+94.8	34.4'	RT	1	-
	32+96.8	34.6'	RT	-	1
	34+52.0	20.4'	LT	-	1
	39+86.2	26.4'	LT	1	-
	39+86.6	28.6'	LT	-	1
	40+13.9	20.8'	LT	1	-
	40+13.4	27.3'	RT	1	-
	40+17.5	2.1'	LT	1	-
	44+49.3	11.2	LT	1	-
	44+55.9	27.4	LT	-	1
PROJECT TOTALS				**14**	**6**

ADJUST EXISTING WATER STRUCTURES

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	(SPV.0060.07) ADJUST EX. WATER VALVE BOX EACH	(SPV.0060.08) ADJUST EX. CURB STOP BOX EACH
0010	22+73.1	3.6	LT	1	-
	40+25.0	48.0	LT	-	1
	44+76.1	22.7	RT	1	-
	44+77.2	29.4	RT	1	-
	44+78.1	26.9	RT	1	-
PROJECT TOTALS				**4**	**1**

INSULATION BOARD POLYSTYRENE 2-INCH

CATEGORY	STATION	LOCATION	(612.0902.S.01) INSULATION BOARD POLYSTYRENE 2-INCH SY
0010	22+92	14' RT	3.56
	24+32	11' RT	3.56
	24+50	8.5' LT	3.56
	24+54	11' RT	3.56
	24+54	18.5' RT	3.56
	25+45	11' RT	3.56
	26+19	11' RT	3.56
	26+97	9' LT	3.56
	29+43	14' LT	3.56
	29+44	9' LT	3.56
	31+69	8' LT	3.56
	32+11	13' RT	3.56
	32+85	13.5' RT	3.56
	33+35	1' LT	3.56
	33+46	9' LT	3.56
	38+47	8' LT	3.56
	39+09	14' RT	3.56
	39+44	15' RT	3.56
	39+91	8' LT	3.56
	40+14	16' RT	3.56
	40+15	35' LT	3.56
	40+48	8' LT	3.56
	40+53	18.5' RT	3.56
	44+63	29' LT	3.56
	44+67	8.5' LT	3.56
	44+75	18' RT	3.56
	UNDISTRIBUTED		70.00
	PROJECT TOTAL		**162.56**

WATER MAIN PIPE

CATEGORY	STATION	OFFSET DISTANCE	OFFSET DIRECTION	TO	STATION	OFFSET DISTANCE	OFFSET DIRECTION	(SPV.0090.07) PVC WATER MAIN 4-INCH SPECIAL LF	(SPV.0090.08) PVC WATER MAIN 6-INCH SPECIAL LF	(SPV.0090.09) PVC WATER MAIN 8-INCH SPECIAL LF	(SPV.0090.10) PVC WATER MAIN 10-INCH SPECIAL LF	(SPV.0060.44) ABANDON/REMOVE WATER MAIN PROJECT 6995-00-14 EACH	COMMENTS
0010	22+84.1	3.6'	LT		22+88.5	8.0'	LT	-	-	6	-	-	
	22+88.5	8.0'	LT		25+00.0	8.0'	LT	-	-	211	-	-	
	25+00.0	8.0'	LT		25+93.8	8.0'	LT	-	-	94	-	-	
	25+93.8	8.0'	LT		25+93.8	16.0'	LT	-	8	-	-	-	HYDRANT LEAD
	25+93.8	8.0'	LT		26+10.0	8.0'	LT	-	-	16	-	-	
	26+10.0	8.0'	LT		26+75.0	8.0'	LT	-	-	65	-	-	
	26+75.0	8.0'	LT		29+20.5	9.0'	LT	-	-	245	-	-	
	29+20.5	8.0'	LT		29+25.5	9.0'	LT	-	-	-	5	-	
	29+25.5	9.0'	LT		29+25.4	41.8'	RT	-	-	-	51	-	S. LINCOLN AVE.
	29+25.5	9.0'	LT		29+42.9	8.2'	LT	-	-	-	18	-	
	29+42.9	8.2'	LT		29+43.0	37.1'	LT	-	-	-	29	-	
	29+43.0	37.1'	LT		29+43.1	51.4'	LT	-	-	-	14	-	
	29+43.1	51.4'	LT		29+43.1	59.4'	LT	-	-	-	10	-	
	29+43.1	51.4'	LT		29+45.0	59.4'	LT	-	5	-	-	-	
	29+42.9	8.2'	LT		29+45.9	8.1'	LT	-	-	-	3	-	
	29+45.9	8.1'	LT		29+50.4	8.0'	LT	-	-	5	-	-	
	29+50.4	8.0'	LT		29+55.3	8.0'	LT	-	-	5	-	-	
	29+55.3	8.0'	LT		29+72.2	8.0'	LT	-	-	17	-	-	
	29+72.2	8.0'	LT		29+72.2	16.0'	LT	-	8	-	-	-	HYDRANT LEAD
	29+72.2	8.0'	LT		30+00.0	8.0'	LT	-	-	28	-	-	
	30+00.0	8.0'	LT		31+00.0	8.0'	LT	-	-	100	-	-	
	31+00.0	8.0'	LT		31+50.0	8.0'	LT	-	-	50	-	-	
	31+50.0	8.0'	LT		32+00.0	8.0'	LT	-	-	50	-	-	
	32+00.0	8.0'	LT		32+83.1	8.0'	LT	-	-	83	-	-	
	32+83.1	8.0'	LT		32+83.2	3.5'	LT	-	-	5	-	-	JEFFERSON ST.
	32+83.2	3.5'	LT		32+87.4	35.7'	RT	-	-	39	-	-	
	32+87.4	35.7'	RT		32+97.2	34.6'	RT	-	10	-	-	-	HYDRANT LEAD
	32+87.4	35.7'	RT		32+88.0	41.6'	RT	-	-	6	-	-	
	32+88.0	41.6'	RT		32+84.4	49.8'	RT	10	-	-	-	-	
	32+83.1	8.0'	LT		34+12.4	8.0'	LT	-	-	129	-	-	
	34+12.4	8.0'	LT		35+25.0	8.0'	LT	-	-	112	-	-	
	35+25.0	8.0'	LT		35+77.8	8.0'	LT	-	-	53	-	-	
	35+77.8	8.0'	LT		35+77.8	16.0'	LT	-	8	-	-	-	HYDRANT LEAD
	35+77.8	8.0'	LT		36+75.0	8.0'	LT	-	-	97	-	-	
	36+75.0	8.0'	LT		38+00.0	8.0'	LT	-	-	125	-	-	
	38+00.0	8.0'	LT		39+69.5	8.0'	LT	-	-	169	-	-	
	39+69.5	8.0'	LT		39+69.7	16.0'	LT	-	8	-	-	-	HYDRANT LEAD
	39+69.5	8.0'	LT		40+14.2	8.0'	LT	-	-	45	-	-	
	40+14.9	8.0'	LT		40+15.2	38.2'	LT	-	-	30	-	-	ROEDL CT.
	40+15.2	38.2'	LT		40+15.3	44.2'	LT	7	-	-	-	-	
	40+14.5	8.0'	LT		40+13.5	36.6'	RT	-	-	45	-	-	
	40+13.5	36.6'	LT		40+13.3	44.6	RT	-	8	-	-	-	
	40+14.5	8.0'	LT		41+25.0	8.0'	LT	-	-	111	-	-	
	41+25.0	8.0'	LT		43+99.9	8.0'	LT	-	-	275	-	-	
	43+99.9	8.0'	LT		44+61.6	8.0'	LT	-	-	62	-	-	
	44+61.6	8.0'	LT		44+72.0	9.3'	LT	-	-	11	-	-	
	44+72.0	9.3'	LT		44+69.1	30.2'	LT	-	-	21	-	-	S. UNIVERSITY AVE.
	44+69.1	30.2'	LT		44+68.4	34.1'	LT	-	-	3	-	-	
	44+68.4	34.1'	LT		44+68.0	37.0'	LT	-	6	-	-	-	
	44+69.1	30.2'	LT		44+55.3	28.2'	LT	-	14	-	-	-	HYDRANT LEAD
	44+72.0	9.3'	LT		44+76.1	22.7'	LT	-	-	19	-	-	
	44+72.0	9.3'	LT		44+76.1	22.7'	LT	-	-	13	-	-	
					UNDISTRIBUTED			3	5	25	10	1	
					PROJECT TOTALS			**20**	**80**	**2,370**	**140**	**1**	

WATER APPURTENANCES SUMMARY

CATEGORY	STATION	OFFSET DISTANCE	OFFSET DIRECTION	(SPV.0060.18) WATER VALVE & BOX 6-INCH EACH	(SPV.0060.19) WATER VALVE & BOX 8-INCH EACH	(SPV.0060.20) WATER VALVE & BOX 10-INCH EACH	(SPV.0060.21) FIRE HYDRANT EACH	(SPV.0060.22) CROSS 8"x8" SPECIAL EACH	(SPV.0060.23) TEES 8"x6"x8" SPECIAL EACH	(SPV.0060.24) TEES 8"x8"x8" SPECIAL EACH	(SPV.0060.25) TEES 10"x6"x10" SPECIAL EACH	(SPV.0060.26) TEES 10"x10"x10" SPECIAL EACH	(SPV.0060.27) BEND 11.25-DEGREE 8-INCH SPECIAL EACH
0010	22+84.1	3.6'	LT	-	-	-	-	-	-	-	-	-	-
	22+88.5	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	25+88.8	8.0'	LT	-	1	-	-	-	-	-	-	-	-
	25+93.8	8.0'	LT	-	-	-	-	-	1	-	-	-	-
	25+93.8	11.0'	LT	1	-	-	-	-	-	-	-	-	-
	25+93.8	16.0'	LT	-	-	-	1	-	-	-	-	-	-
	29+20.5	9.0'	LT	-	-	-	-	-	-	-	-	-	-
	29+25.4	41.8'	RT	-	-	1	-	-	-	-	-	-	-
	29+25.5	9.0'	LT	-	-	-	-	-	-	-	-	1	-
	29+45.9	8.2'	LT	-	-	-	-	-	-	-	-	1	-
	29+43.0	37.1'	LT	-	-	-	-	-	-	-	-	-	-
	29+43.1	49.4'	LT	-	-	1	-	-	-	-	-	-	-
	29+43.1	51.4'	LT	-	-	-	-	-	-	-	1	-	-
	29+43.1	59.4'	LT	-	-	-	-	-	-	-	-	-	-
	29+45.0	51.4'	LT	-	-	-	-	-	-	-	-	-	-
	29+45.9	8.1'	LT	-	-	-	-	-	-	-	-	-	-
	29+50.4	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	29+55.3	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	29+62.4	8.0'	LT	-	1	-	-	-	-	-	-	-	-
	29+72.2	8.0'	LT	-	-	-	-	-	1	-	-	-	-
	29+72.3	11.0'	LT	1	-	-	-	-	-	-	-	-	-
	29+72.5	16.0'	LT	-	-	-	1	-	-	-	-	-	-
	32+73.1	8.0'	LT	-	1	-	-	-	-	-	-	-	-
	32+83.1	8.0'	LT	-	-	-	-	-	-	1	-	-	-
	32+82.9	3.5'	LT	-	-	-	-	-	-	-	-	-	1
	32+87.4	35.7'	RT	-	-	-	-	-	1	-	-	-	-
	32+87.7	38.6'	RT	-	1	-	-	-	-	-	-	-	-
	32+88.0	41.6'	RT	-	-	-	-	-	-	-	-	-	-
	32+84.4	49.8'	RT	-	-	-	-	-	-	-	-	-	-
	32+90.4	35.3'	RT	1	-	-	-	-	-	-	-	-	-
	32+97.2	34.6'	RT	-	-	-	1	-	-	-	-	-	-
	32+93.2	8.0'	LT	-	1	-	-	-	-	-	-	-	-
	34+12.4	8.0'	LT	-	-	-	-	-	-	-	-	-	1
	35+77.9	8.0'	LT	-	-	-	-	-	1	-	-	-	-
	35+77.8	11.0'	LT	1	-	-	-	-	-	-	-	-	-
	35+77.8	16.0'	LT	-	-	-	1	-	-	-	-	-	-
	35+82.8	8.0'	LT	-	1	-	-	-	-	-	-	-	-
	39+69.5	8.0'	LT	-	-	-	-	-	1	-	-	-	-
	39+69.7	10.5'	LT	1	-	-	-	-	-	-	-	-	-
	39+69.7	16.0'	LT	-	-	-	1	-	-	-	-	-	-
	39+74.5	8.0'	LT	-	1	-	-	-	-	-	-	-	-
	40+15.3	44.2'	LT	-	-	-	-	-	-	-	-	-	-
	40+15.2	38.2'	LT	-	-	-	-	-	-	-	-	-	-
	40+14.9	24.4'	LT	-	1	-	-	-	-	-	-	-	-
	40+14.5	8.0'	LT	-	-	-	-	1	-	-	-	-	-
	40+13.6	32.8'	RT	-	1	-	-	-	-	-	-	-	-
	40+13.5	36.6'	RT	-	-	-	-	-	-	-	-	-	-
	40+13.3	44.6'	RT	-	-	-	-	-	-	-	-	-	-
	40+34.5	7.7'	LT	-	1	-	-	-	-	-	-	-	-
	44+47.7	8.0'	LT	-	1	-	-	-	-	-	-	-	-
	44+61.6	8.0'	LT	-	-	-	-	-	-	-	-	-	1
	44+72.0	9.3'	LT	-	-	-	-	-	-	1	-	-	-
	44+69.1	30.2'	LT	-	-	-	-	-	1	-	-	-	-
	44+66.1	29.7'	LT	1	-	-	-	-	-	-	-	-	-
	44+55.3	28.2'	LT	-	-	-	1	-	-	-	-	-	-
	44+71.6	12.3'	LT	-	1	-	-	-	-	-	-	-	-
	44+68.0	37.0'	LT	-	-	-	-	-	-	-	-	-	-
	44+76.1	22.7'	RT	-	-	-	-	-	-	-	-	-	-
PROJECT TOTALS				**6**	**12**	**2**	**6**	**1**	**6**	**2**	**1**	**2**	**3**

(CONTINUED ON NEXT SHEET)

WATER APPURTENANCES SUMMARY (CONTINUED)

CATEGORY	STATION	OFFSET DISTANCE	OFFSET DIRECTION	(SPV.0060.28) BEND 11.25-DEGREE 10-INCH SPECIAL EACH	(SPV.0060.29) BEND 45-DEGREE 4-INCH SPECIAL EACH	(SPV.0060.30) BEND 45-DEGREE 6-INCH SPECIAL EACH	(SPV.0060.31) BEND 45-DEGREE 8-INCH SPECIAL EACH	(SPV.0060.32) BEND 45-DEGREE 10-INCH SPECIAL EACH	(SPV.0060.33) BEND 90-DEGREE 6-INCH SPECIAL EACH	(SPV.0060.34) REDUCER 8"x4" SPECIAL EACH	(SPV.0060.35) REDUCER 8"x6" SPECIAL EACH	(SPV.0060.36) REDUCER 10"x8" SPECIAL EACH	(SPV.0060.37) CONNECT TO EXISTING WATERMAIN EACH
0010	22+84.1	3.6'	LT	-	-	-	1	-	-	-	-	-	1
	22+88.5	8.0'	LT	-	-	-	1	-	-	-	-	-	-
	25+88.8	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	25+93.8	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	25+93.8	11.0'	LT	-	-	-	-	-	-	-	-	-	-
	25+93.8	16.0'	LT	-	-	-	-	-	-	-	-	-	-
	29+20.5	9.0'	LT	-	-	-	-	-	-	-	-	1	-
	29+25.4	41.8'	RT	-	-	-	-	2	-	-	-	-	1
	29+25.5	9.0'	LT	-	-	-	-	-	-	-	-	-	-
	29+45.9	8.2'	LT	-	-	-	-	-	-	-	-	-	-
	29+43.0	37.1'	LT	1	-	-	-	-	-	-	-	-	-
	29+43.1	49.4'	LT	-	-	-	-	-	-	-	-	-	-
	29+43.1	51.4'	LT	-	-	-	-	-	-	-	-	-	-
	29+43.1	59.4'	LT	-	-	-	-	2	-	-	-	-	1
	29+45.0	51.4'	LT	-	-	-	-	-	1	-	-	-	1
	29+45.9	8.1'	LT	-	-	-	-	-	-	-	-	1	-
	29+50.4	8.0'	LT	-	-	-	1	-	-	-	-	-	-
	29+55.3	8.0'	LT	-	-	-	1	-	-	-	-	-	-
	29+62.4	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	29+72.2	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	29+72.3	11.0'	LT	-	-	-	-	-	-	-	-	-	-
	29+72.5	16.0'	LT	-	-	-	-	-	-	-	-	-	-
	32+73.1	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	32+83.1	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	32+82.9	3.5'	LT	-	-	-	-	-	-	-	-	-	-
	32+87.4	35.7'	RT	-	-	-	-	-	-	-	-	-	-
	32+87.7	38.6'	RT	-	-	-	-	-	-	-	-	-	-
	32+88.0	41.6'	RT	-	-	-	-	-	-	1	-	-	-
	32+84.4	49.8'	RT	-	2	-	-	-	-	-	-	-	1
	32+90.4	35.3'	RT	-	-	-	-	-	-	-	-	-	-
	32+97.2	34.6'	RT	-	-	-	-	-	-	-	-	-	-
	32+93.2	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	34+12.4	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	35+77.9	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	35+77.8	11.0'	LT	-	-	-	-	-	-	-	-	-	-
	35+77.8	16.0'	LT	-	-	-	-	-	-	-	-	-	-
	35+82.8	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	39+69.5	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	39+69.7	10.5'	LT	-	-	-	-	-	-	-	-	-	-
	39+69.7	16.0'	LT	-	-	-	-	-	-	-	-	-	-
	39+74.5	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	40+15.3	44.2'	LT	-	2	-	-	-	-	-	-	-	1
	40+15.2	38.2'	LT	-	-	-	-	-	-	1	-	-	-
	40+14.9	24.4'	LT	-	-	-	-	-	-	-	-	-	-
	40+14.5	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	40+13.6	32.8'	RT	-	-	-	-	-	-	-	-	-	-
	40+13.5	36.6'	RT	-	-	-	-	-	-	-	1	-	-
	40+13.3	44.6'	RT	-	-	2	-	-	-	-	-	-	1
	40+34.5	7.7'	LT	-	-	-	-	-	-	-	-	-	-
	44+47.7	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	44+61.6	8.0'	LT	-	-	-	-	-	-	-	-	-	-
	44+72.0	9.3'	LT	-	-	-	-	-	-	-	-	-	-
	44+69.1	30.2'	LT	-	-	-	-	-	-	-	-	-	-
	44+66.1	29.7'	LT	-	-	-	-	-	-	-	-	-	-
	44+55.3	28.2'	LT	-	-	-	-	-	-	-	-	-	-
	44+71.6	12.3'	LT	-	-	-	-	-	-	-	-	-	-
	44+68.0	37.0'	LT	-	-	2	-	-	-	-	1	-	1
	44+76.1	22.7'	RT	-	-	2	-	-	-	-	1	-	1
PROJECT TOTALS				**1**	**4**	**6**	**4**	**4**	**1**	**2**	**3**	**2**	**9**

SANITARY SEWER LATERALS AND WATER SERVICES

CATEGORY	STATION	LOCATION	(SPV.0060.15) SANITARY WYE 30-INCH MAIN EACH	(SPV.0060.16) SANITARY WYE 24-INCH MAIN EACH	(SPV.0090.05) SANITARY LATERAL 6-INCH LF	(SPV.0060.17) SANITARY LATERAL RECONNECTION EACH	(SPV.0090.11) WATER SERVICE 1 TO 2-INCH SPECIAL LF	(SPV.0060.38) CORPORATION, CURB STOP & BOX (SET) EACH	(SPV.0060.39) WATER SERVICE RECONNECTION EACH	(SPV.0060.42) TEMPORARY WATER SERVICE PROJECT 6995-00-14 EACH
0010	22+92	RT	-	-	-	-	36	1	1	-
0020	22+93	RT	1	-	25	1	-	-	-	-
0020	23+29	LT	1	-	26	1	-	-	-	-
0010	23+30	LT	-	-	-	-	14	1	1	-
0020	23+30	RT	1	-	24	1	-	-	-	-
0020	23+75	LT	1	-	26	1	-	-	-	-
0010	23+77	LT	-	-	-	-	14	1	1	-
0020	24+30	RT	1	-	25	1	-	-	-	-
0010	24+32	RT	-	-	-	-	36	1	1	-
0020	24+52	RT	1	-	25	1	-	-	-	-
0010	24+54	RT	-	-	-	-	36	1	1	-
0020	25+18	LT	1	-	25	1	-	-	-	-
0010	25+19	LT	-	-	-	-	15	1	1	-
0020	25+44	RT	1	-	25	1	-	-	-	-
0010	25+45	RT	-	-	-	-	36	1	1	-
0020	25+71	LT	1	-	25	1	-	-	-	-
0010	25+72	LT	-	-	-	-	15	1	1	-
0020	26+09	LT	1	-	25	1	-	-	-	-
0020	26+11	RT	1	-	25	1	-	-	-	-
0010	26+12	LT	-	-	-	-	15	1	1	-
0010	26+19	RT	-	-	-	-	36	1	1	-
0010	26+41	LT	-	-	-	-	15	1	1	-
0020	26+73	LT	1	-	25	1	-	-	-	-
0010	26+78	LT	-	-	-	-	15	1	1	-
0020	27+33	LT	1	-	25	1	-	-	-	-
0010	27+34	RT	-	-	-	-	36	1	1	-
0020	27+35	RT	1	-	25	1	-	-	-	-
0010	27+59	LT	-	-	-	-	15	1	1	-
0020	27+69	RT	1	-	25	1	-	-	-	-
0010	27+72	RT	-	-	-	-	36	1	1	-
0020	28+03	LT	1	-	25	1	-	-	-	-
0010	28+08	LT	-	-	-	-	15	1	1	-
0020	28+21	RT	1	-	25	1	-	-	-	-
0010	28+56	RT	-	-	-	-	36	1	1	-
0020	30+09	LT	-	1	27	1	-	-	-	-
0010	30+12	LT	-	-	-	-	15	1	1	-
0020	30+12	RT	-	1	22	1	-	-	-	-
0010	30+14	RT	-	-	-	-	36	1	1	-
0010	30+44	LT	-	-	-	-	14	1	1	-
0020	30+46	LT	-	1	26	1	-	-	-	-
0020	30+49	RT	-	1	24	1	-	-	-	-
0010	30+54	RT	-	-	-	-	36	1	1	-
0020	31+00	RT	-	1	23	1	-	-	-	-
0020	31+05	LT	-	1	26	1	-	-	-	-
0010	31+08	RT	-	-	-	-	36	1	1	-
0010	31+12	LT	-	-	-	-	14	1	1	-
0020	31+54	RT	-	1	26	1	-	-	-	-
0010	31+58	RT	-	-	-	-	36	1	1	-
0020	31+96	LT	-	1	24	1	-	-	-	-
0020	32+06	RT	-	1	25	1	-	-	-	-
0010	32+08	LT	-	-	-	-	14	1	1	-
0010	32+11	RT	-	-	-	-	36	1	1	-
0020	32+35	LT	-	1	25	1	-	-	-	-
0010	32+36	LT	-	-	-	-	14	1	1	-
0020	32+99	LT	-	1	25	1	-	-	-	-
0010	33+01	LT	-	-	-	-	14	1	1	-
0020	33+33	RT	-	1	24	1	-	-	-	-
0010	33+35	RT	-	-	-	-	36	1	1	-
0010	33+73	RT	-	-	-	-	36	1	1	-
0020	33+75	RT	-	1	24	1	-	-	-	-

(CONTINUED ON NEXT SHEET)

SANITARY SEWER LATERALS AND WATER SERVICES (CONTINUED)

CATEGORY	STATION	LOCATION	(SPV.0060.15) SANITARY WYE 30-INCH MAIN EACH	(SPV.0060.16) SANITARY WYE 24-INCH MAIN EACH	(SPV.0090.05) SANITARY LATERAL 6-INCH LF	(SPV.0060.17) SANITARY LATERAL RECONNECTION EACH	(SPV.0090.11) WATER SERVICE 1 TO 2-INCH SPECIAL LF	(SPV.0060.38) CORPORATION, CURB STOP & BOX (SET) EACH	(SPV.0060.39) WATER SERVICE RECONNECTION EACH	(SPV.0060.42) TEMPORARY WATER SERVICE PROJECT 6995-00-14 EACH
0010	34+21	LT	-	-	-	-	14	1	1	-
0010	34+25	RT	-	-	-	-	36	1	1	-
0020	34+27	LT	-	1	26	1	-	-	-	-
0020	34+28	RT	-	1	24	1	-	-	-	-
0020	34+59	LT	-	1	25	1	-	-	-	-
0020	34+60	RT	-	1	25	1	-	-	-	-
0010	34+62	LT	-	-	-	-	14	1	1	-
0010	34+63	RT	-	-	-	-	36	1	1	-
0020	35+12	RT	-	1	25	1	-	-	-	-
0010	35+43	LT	-	-	-	-	14	1	1	-
0020	35+45	LT	-	1	25	1	-	-	-	-
0010	35+46	RT	-	-	-	-	36	1	1	-
0020	36+15	RT	-	1	25	1	-	-	-	-
0010	36+32	RT	-	-	-	-	36	1	1	-
0020	36+33	LT	-	1	25	1	-	-	-	-
0010	36+37	LT	-	-	-	-	14	1	1	-
0010	36+74	RT	-	-	-	-	36	1	1	-
0020	36+75	RT	-	1	25	1	-	-	-	-
0010	37+20	LT	-	-	-	-	14	1	1	-
0020	37+23	LT	-	1	25	1	-	-	-	-
0010	37+51	LT	-	-	-	-	14	1	1	-
0020	37+56	LT	-	1	25	1	-	-	-	-
0010	37+57	RT	-	-	-	-	36	1	1	-
0010	37+99	LT	-	-	-	-	14	1	1	-
0020	38+00	LT	-	1	25	1	-	-	-	-
0020	38+24	RT	-	1	25	1	-	-	-	-
0010	38+25	RT	-	-	-	-	36	1	1	-
0010	38+52	LT	-	-	-	-	14	1	1	-
0020	38+53	LT	-	1	25	1	-	-	-	-
0010	39+09	RT	-	-	-	-	36	1	1	-
0020	39+12	RT	-	1	26	1	-	-	-	-
0010	39+42	LT	-	-	-	-	14	1	1	-
0020	39+43	LT	-	1	25	1	-	-	-	-
0020	39+44	RT	-	1	25	1	-	-	-	-
0010	39+45	RT	-	-	-	-	36	1	1	-
0010	40+53	RT	-	-	-	-	36	1	1	-
0020	40+57	RT	-	1	25	1	-	-	-	-
0010	41+04	RT	-	-	-	-	36	1	1	-
0020	41+07	RT	-	1	25	1	-	-	-	-
0010	41+56	RT	-	-	-	-	36	1	1	-
0020	41+58	RT	-	1	25	1	-	-	-	-
0010	41+80	LT	-	-	-	-	14	1	1	-
0020	41+82	LT	-	1	25	1	-	-	-	-
0010	42+20	LT	-	-	-	-	14	1	1	-
0020	42+22	RT	-	1	25	1	-	-	-	-
0020	42+23	LT	-	1	25	1	-	-	-	-
0010	42+25	RT	-	-	-	-	36	1	1	-
0020	42+73	RT	-	1	25	1	-	-	-	-
0010	42+78	RT	-	-	-	-	36	1	1	-
0010	42+80	LT	-	-	-	-	14	1	1	-
0020	42+91	LT	-	1	25	1	-	-	-	-
0010	43+44	RT	-	-	-	-	36	1	1	-
0020	43+48	RT	-	1	25	1	-	-	-	-
0010	44+05	LT	-	-	-	-	14	1	1	-
0020	44+11	LT	-	1	25	1	-	-	-	-
		UNDISTRIBUTED	-	1	47	1	60	-	-	1
		PROJECT TOTALS	**17**	**41**	**1,470**	**58**	**1,540**	**58**	**58**	**1**

3

3

REMOVE EXISTING SANITARY SEWER STRUCTURES

CATEGORY	STATION	OFFSET DISTANCE	OFFSET DIRECTION	(SPV.0060.03) REMOVE EX. SANITARY MANHOLE EACH	(SPV.0060.04) REMOVE EX. SANITARY VAULT STRUCTURE EACH	COMMENTS
0020	26+33.8	5.2'	RT	1	-	BULKHEAD PIPES OUT OF MANHOLE
	29+35.0	4.9'	RT	1	-	BULKHEAD PIPES OUT OF MANHOLE
	29+86.3	0.0'	RT	1	-	BULKHEAD PIPE OUT OF MANHOLE TO THE WEST
	32+75.4	2.4'	RT	1	-	BULKHEAD PIPES OUT OF MANHOLE
	34+32.3	4.8'	RT	1	-	BULKHEAD PIPES OUT OF MANHOLE
	40+04.1	2.2'	RT	1	-	SAME TRENCH AS NEW SANITARY
	44+86.4	2.0'	RT	-	1	SAME TRENCH AS NEW SANITARY
PROJECT TOTALS				**6**	**1**	

SANITARY SEWER

CATEGORY	STATION	OFFSET DISTANCE	OFFSET DIRECTION	(SPV.0060.09) SANITARY MANHOLE (48 INCH) EACH	(SPV.0060.10) SANITARY MANHOLE (60 INCH) EACH	(SPV.0060.11) SANITARY DROP MANHOLE (48 INCH) EACH	(SPV.0060.12) SANITARY DROP MANHOLE (60 INCH) EACH	(SPV.0060.13) SANITARY MH COVER TYPE J-SPECIAL EACH	(SPV.0060.14) CONNTECT TO EXISTING SANITARY SEWER EACH
0020	22+87.5	3.7'	RT	-	-	-	-	-	1
	25+84.8	0.0'	RT	-	1	-	-	1	-
	29+34.6	58.0'	LT	-	-	-	-	-	1
	29+34.8	0.0'	RT	-	1	-	-	1	-
	34+10.1	1.8'	RT	1	-	-	-	1	-
	37+08.6	0.0'	RT	1	-	-	-	1	-
	40+04.5	1.1'	RT	-	-	1	-	1	-
	40+05.1	35.6'	LT	-	-	-	-	-	1
	42+45.3	0.0'	RT	1	-	-	-	1	-
	44+86.4	2.0'	RT	-	-	-	1	1	3
PROJECT TOTALS				**3**	**2**	**1**	**1**	**7**	**6**

SANITARY SEWER PIPE

CATEGORY	STATION	TO STATION	LOCATION	(SPV.0090.01) SANITARY SEWER PIPE 8-INCH SPECIAL LF	(SPV.0090.02) SANITARY SEWER PIPE 10-INCH SPECIAL LF	(SPV.0090.03) SANITARY SEWER PIPE 24-INCH SPECIAL LF	(SPV.0090.04) SANITARY SEWER PIPE 30-INCH SPECIAL LF	(SPV.0090.06) SANITARY SEWER TELEVISING LF	(SPV.0060.43) ABANDON/REMOVE SANITARY SEWER PROJECT 6995-00-14 EACH
0020	22+87.5	25+84.8	CENTER	-	-	-	297	297	-
	25+84.8	29+34.8	CENTER	-	-	-	350	350	-
	29+33.8	29+34.8	LT	-	58	-	-	58	-
	29+34.8	32+75.8	CENTER	-	-	341	-	341	-
	32+75.8	34+10.1	CENTER	-	-	134	-	134	-
	34+10.1	37+08.6	CENTER	-	-	299	-	299	-
	37+08.6	40+04.5	CENTER	-	-	296	-	296	-
	40+04.5	40+05.1	LT	37	-	-	-	37	-
	40+04.5	42+45.3	CENTER	-	-	241	-	241	-
	42+45.3	44+86.4	CENTER	-	-	241	-	241	-
UNDISTRIBUTED				13	12	18	13	41	1
PROJECT TOTALS				**50**	**70**	**1,570**	**660**	**2,335**	**1**

CONVENTIONAL SYMBOLS

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

SECTION CORNER SYMBOL (18 / 23 24 25 / 26 / 9)
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN — SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) — IP
OFF-PREMISE SIGN (41-25) — SIGN

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

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

CONVENTIONAL UTILITY SYMBOLS

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

CONVENTIONAL ABBREVIATIONS

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

CURVE DATA ABBREVIATIONS

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

NOTES:

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

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

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

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

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

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

N

R/W PROJECT NUMBER 6995-00-12	SHEET NUMBER	TOTAL SHEETS
CONSTRUCTION PROJECT NUMBER 6995-00-13	4.01	7

PLAT OF RIGHT OF WAY REQUIRED FOR

CITY OF BEAVER DAM, E. DAVIS ST.
(S. SPRING ST.- UNIVERISITY AVE.)

E. DAVIS ST. | DODGE COUNTY

ORIGINAL PLANS PREPARED BY

MSA

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

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

04/08/2021 (DATE)

Bradley L. Tisdale (Professional Land Surveyor)

T-11-N

R-14-E

BEGIN RELOCATION ORDER
STA. 22+66.29
Y = 720,461.221
X = 847,626.763
3380.16 FEET WEST OF AND
767.36 FEET SOUTH OF THE
EAST QUARTER CORNER OF
SECTION 4, T-11-N, R-14-E,
CITY OF BEAVER DAM,
DODGE COUNTY, WI

END RELOCATION ORDER
STA. 45+50.00
Y = 720,426.016
X = 849,907.960
1098.96 FEET WEST OF AND
802.56 FEET SOUTH OF THE
EAST QUARTER CORNER OF
SECTION 4, T-11-N, R-14-E,
CITY OF BEAVER DAM,
DODGE COUNTY, WI

LAYOUT
SCALE 0 1000 FT

TOTAL NET LENGTH OF CENTERLINE = 2,284 FEET

CAUTION:
THIS PLAT IS FOR ILLUSTRATIVE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES.

REVISION DATE	CITY OF BEAVER DAM
	APPROVED FOR THE CITY DATE: 04/20/21 (Signature)

FILE NAME : G:\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\RW\00218045_DAVIS ST_PLAT_RECOVER.DWG
PLOT DATE : 4/8/2021 8:45 AM
PLOT BY : BRAD TISDALE
PLOT NAME :

R/W PROJECT NUMBER 6995-00-12	SHEET NUMBER	TOTAL SHEETS
CONSTRUCTION PROJECT NUMBER 6995-00-13	2	7

PLAT OF RIGHT OF WAY REQUIRED FOR

CITY OF BEAVER DAM, E. DAVIS ST.
(S. SPRING ST.- UNIVERISITY AVE.)

E. DAVIS ST. | DODGE COUNTY

4

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	RW SHEET NUMBER	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
1	PAUL E. SUTOR	4.04	FEE/TLE	13	--	13	308
2	KEITH HEBL	4.04	FEE/TLE	37	--	37	157
3	VENG THAO & LAO YANG, HUSBAND AND WIFE	4.04	FEE/TLE	41	--	41	276
4	SHARON B. VLACH, A SINGLE PERSON	4.04	FEE/TLE	26	--	26	89
5	ZANE NEAL & MARY NEAL, HUSBAND AND WIFE	4.04	FEE/TLE	10	--	10	128
6	MICHAEL J. PEARSALL	4.04	FEE/TLE	2	--	2	161
7	AMANDA L DERGE, A SINGLE WOMAN	4.04	TLE	--	--	--	217
8	ANTON CRISTEA-RIST & ANAMARIA CRISTEA-RIST, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	4.04	TLE	--	--	--	267
9	THOMAS T. TOUTANT & GINA L. TOUTANT, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	4.04	TLE	--	--	--	186
10	CHRISTINE M. WODILL, CHARLES D. TROST AND CAROL A. TROST, TO EACH UNDIVIDED ONE-THIRD (1/3) INTEREST AS TENANTS IN COMMON; SUBJECT TO A DANIEL C. TROST AND BETTY TROST LIFE ESTATE.	4.04, 4.05	FEE/TLE	10	--	10	350
11	KRISTA L. METZDORF	4.04	TLE	--	--	--	243
12	ANDREW M. WEINHEIMER; SUBJECT TO A BEVERLY J. WEINHEIMER LIFE ESTATE	4.04	TLE	--	--	--	287
13	CHRISTOPHER A. POSTHUMA	4.04	TLE	--	--	--	226
14	JEFFREY TREPANIER	4.04	TLE	--	--	--	257
15	TIMOTHY R. CZARNIK JESSICA L. CZARNIK, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	4.04	TLE	--	--	--	264
16	KE ENTERPRISES, LLC	4.04	TLE	--	--	--	226
17	GREENFEATHER FIVE, LLC	4.04	TLE	--	--	--	523
18	THOMAS R. TOUTANT & GINA L. TOUTANT, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	4.04, 4.05	FEE/TLE	8	--	8	193
19	JOHN L. KOSLOSKI, A SINGLE PERSON & DENISE C. BERNDT, A SINGLE PERSON AS JOINT TENANTS	4.05	FEE/TLE	5	--	5	67
20	JORDAN J. VUJNOVICH & CARRIE M. VUJNOVICH, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	4.05	FEE/TLE	--	3676	3676	230
21	DONNA J. DYE, A SINGLE PERSON	4.05	FEE/TLE	--	3016	3016	308
22	KASEY WILLIS, A SINGLE PERSON	4.05	FEE/TLE	--	2675	2675	310
23	PETER R. STEGNER & TAMMI L. STEGNER, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	4.05	FEE/TLE	21	2672	2693	359
24	JASON LUECK & CARRIE ADELMEYER	4.05	FEE/TLE	45	2250	2295	276
25	MICHELLE A. STIPPICH, A SINGLE PERSON & CINDY A. STIPPICH, A MARRIED PERSON	4.05	FEE/TLE	107	1217	1324	157
26	OSCAR ESCAMILLA-ALVAREZ, A MARRIED PERSON	4.05, 4.06	FEE/TLE	47	1419	1466	235
27	ZHOU ZHENG, A SINGLE PERSON	4.06	TLE	--	--	--	263
28	WILLIAM A. HOCH	4.05	TLE	--	--	--	252
29	DAVID L. SCHUMANN, SR. & KRISTINE F. SCHUMANN, TRUSTEES, OR THEIR SUCCESSORS IN TRUST UNDER THE SCHUMANN REVOCABLE LIVING TRUST DATED JANUARY 27, 2017, AND ANY AMENDMENTS THERETO	4.05	TLE	--	--	--	201
30	JAMIE LYNN THOMPSON, A SINGLE PERSON	4.05	FEE/TLE	33	--	33	239
31	RUSSELL A. ZIESKE & SANDRA A. ZIESKE, HUSBAND AND WIFE AS JOINT TENANTS	4.05	FEE/TLE	9	--	9	241
32	DUSTIN PARKHURST	4.05	TLE	--	--	--	173
33	JUSTMANN INVESTMENTS LLC, A WISCONSIN LIMITED LIABILITY COMPANY	4.05	TLE	--	--	--	199
34	DANIEL J. ROEN & JAMIE J. ROEN	4.05	TLE	--	--	--	130
35	EUGENE FREY & CONSTANCE FREY, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	4.05	FEE/TLE	55	--	55	130
36	STATZ CUSTOM HOMES, INC.	4.06	FEE/TLE	--	1959	1959	349
37	WALTER A. MALCHEK & BETTY A. MALCHEK, HUSBAND AND WIFE	4.06	FEE/TLE	--	2231	2231	397
38	MICHAEL R. J. H. WISNIEWSKI & DARLENE M. J. H. WISNIEWSKI, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	4.06	FEE/TLE	--	1317	1317	329
39	KENNETH W. SCHMUHL, A SINGLE INDIVIDUAL	4.06	TLE	--	--	--	200
40	JUSTMANN INVESTMENTS LLC, A WISCONSIN LIMITED LIABILITY COMPANY	4.06	FEE/TLE	--	1257	1257	254
41	BRIAN FRANK AND HEATHER FRANK, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	4.06	TLE	--	--	--	196
42	GREG A. BOHRMUELLER	4.06	FEE/TLE	60	--	60	409
43	KEITH A. PAAR & DONNA J. PAAR, HUSBAND AND WIFE	4.07	FEE/TLE	22	--	22	806
44	JOSEPH L. SELL & ANDREA L. SELL REVOCABLE LIVING TRUST DATED MARCH 11, 2013	4.07	FEE/TLE	80	--	80	195
45	LINDA A. ZAMZOW & ROBERT L. ZAMZOW, WIFE AND HUSBAND, AS JOINT TENANTS, WITH RIGHT OF SURVIVORSHIP	4.06	FEE/TLE	17	--	17	346

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	RW SHEET NUMBER	INTEREST REQUIRED	R/W SQ FT REQUIRED NEW	EXISTING	TOTAL	TLE SQ FT
46	RYAN S. THOMAS	4.06	TLE	--	--	--	212
47	JORGE L. RAMIREZ	4.06	FEE/TLE	--	1557	1557	452
--	--	--	--	--	--	--	--
49	DAVID T. ROGERS & GAIL L. ROGERS, HUSBAND AND WIFE	4.06	FEE/TLE	--	2149	2149	200
50	JEROME R. HAAS & TONI J. HAAS, HUSBAND AND WIFE AS JOINT TENANTS	4.06	TLE	--	--	--	348
51	KYLIE DIELS & SARAH DIELS	4.06	TLE	--	--	--	366
52	BRENDA S. MAHNKE, A SINGLE PERSON	4.07	TLE	--	--	--	288
53	MARY MARTIN, A SINGLE PERSON	4.07	TLE	--	--	--	272
54	KAILA R. KLAWES, AN UNMARRIED INDIVIDUAL	4.07	TLE	--	--	--	389
55	DELMAN DEVELOPMENT LLC	4.07	FEE/TLE	37	--	37	861
56	JUAN BALLEZA CHAVEZ & TAMMY BALLEZA, AS HUSBAND AND WIFE	4.07	FEE/TLE	9	--	9	484
57	YANNIEL MORENO PADRON & MARIVEL ZUNIGA, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	4.07	TLE	--	--	--	390
58	JASON C. BENNETT, AN UNMARRIED INDIVIDUAL	4.07	TLE	--	--	--	409
59	MICHAEL M. MILLER & BARBARA A. BASSETTE A/K/A BARBARA A. MILLER	4.07	TLE	--	--	--	427
60	ENRIQUE DOMINGUEZ VARGAS, A SINGLE PERSON	4.07	TLE	--	--	--	415
61	DARLENE K. ABLER	4.07	TLE	--	--	--	193
62	BEAVER DAM COMMUNITY HOSPITALS INC	4.07	FEE/TLE	74	--	74	88

4

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1702 Pankratz St Madison, WI 53704
(608) 242-7779 www.msa-ps.com
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REVISION DATE

DATE 04/08/2021

GRID FACTOR

SCALE, FEET 0

HWY: E. DAVIS ST.

COUNTY: DODGE

STATE R/W PROJECT NUMBER 6995-00-12

CONSTRUCTION PROJECT NUMBER 6995-00-13

PLAT SHEET 4.02

PS&E SHEET 73

FILE NAME : 00218045_DAVIS ST_PLAT.DWG
LAYOUT NAME - Sheet 2

PLOT DATE : 4/16/2021 1:32 PM PLOT BY : BRAD TISDALE PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 75

R/W PROJECT NUMBER 6995-00-12	SHEET NUMBER	TOTAL SHEETS
CONSTRUCTION PROJECT NUMBER 6995-00-13	3	7

PLAT OF RIGHT OF WAY REQUIRED FOR

CITY OF BEAVER DAM, E. DAVIS ST.
(S. SPRING ST.- UNIVERISITY AVE.)

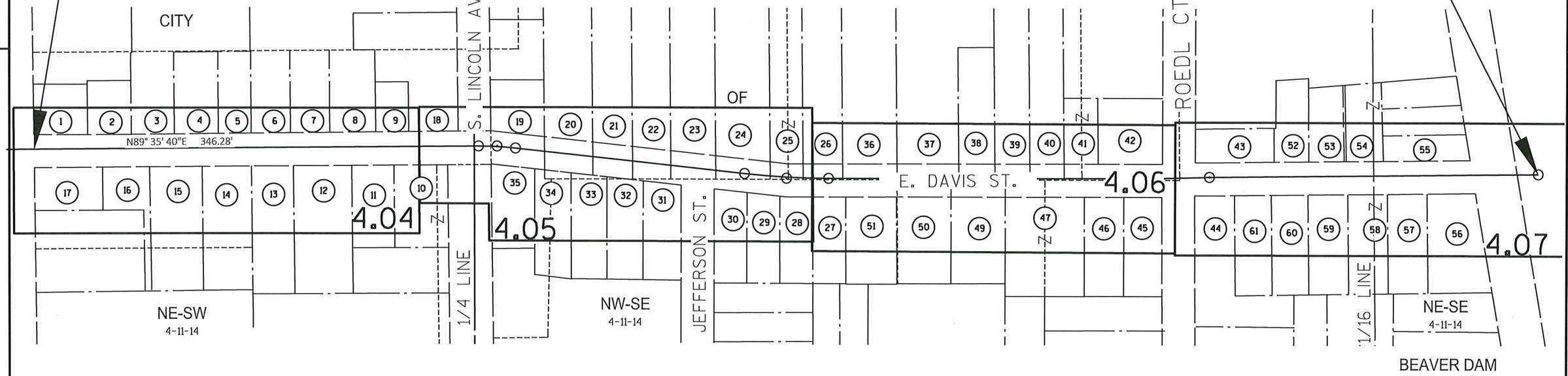
E. DAVIS ST.	DODGE COUNTY

GN

BEGIN PROJECT
STA 22+66.29
Y=720,461.221
X=847,626.763

END PROJECT
STA 45+50.00
Y=720,426.016
X=849,907.960

4



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REVISION DATE	DATE 04/08/2021	SCALE, FEET 0	HWY: E. DAVIS ST.	STATE R/W PROJECT NUMBER 6995-00-12	PLAT SHEET 4.03
	GRID FACTOR		COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 6995-00-13	PS&E SHEET 74

FILE NAME : 00218045_DAVIS ST_PLAT_RECOVER.DWG
LAYOUT NAME - Sheet 3

PLOT DATE : 4/8/2021 8:46 AM PLOT BY : BRAD TISDALE PLOT NAME : PLOT SCALE : 1 IN:150 FT

RW POINT	STATION	OFFSET
100	22+66.29	0.00'
101	22+66.29	−22.07'
102	22+79.72	−22.00'
103	26+26.00	−22.00'
180	22+66.62	28.00'

LINE	BEARING	DISTANCE
100-101	N00°24'20"W	22.07'
101-102	N89°54'29"E	13.43'
180-100	N01°03'53"W	28.00'

TLE POINT	STATION	OFFSET
500	22+71.10	−22.05'
501	22+71.11	−24.00'
502	23+20.04	−23.65'
503	23+20.05	−32.96'
504	23+40.05	−32.93'
505	23+40.04	−22.00'
506	23+75.16	−22.00'
507	23+90.19	−27.00'
508	24+25.19	−27.00'
509	24+25.16	−24.00'
510	24+63.17	−24.00'

TLE POINT	STATION	OFFSET
511	24+63.22	−30.74'
512	24+79.80	−30.70'
513	24+79.84	−22.00'
514	25+04.16	−22.00'
515	25+04.17	−24.00'
516	25+10.17	−24.00'
517	25+10.16	−22.00'
518	25+30.16	−22.00'
519	25+35.33	−27.61'
520	25+59.28	−27.57'
521	25+59.28	−23.57'

TLE POINT	STATION	OFFSET
522	26+10.04	−23.49'
523	26+10.04	−24.49'
524	26+37.04	−24.44'
525	26+37.04	−25.97'
526	27+50.18	−25.79'
527	27+50.19	−26.78'
528	28+35.26	−26.18'
529	28+35.27	−25.13'
633	28+44.60	31.89'
634	28+44.61	30.89'
635	28+36.61	30.88'

TLE POINT	STATION	OFFSET
636	28+36.60	31.88'
637	27+47.87	31.74'
638	27+47.88	30.74'
639	27+12.62	30.68'
640	27+12.62	31.68'
641	23+70.46	31.12'
642	23+70.47	33.12'
643	22+66.65	32.96'

IP POINT	STATION	OFFSET
800	25+96.48	−21.90'
801	26+56.07	−22.10'
802	27+85.08	−22.50'
803	28+35.09	−22.73'
804	28+12.30	28.69'
805	26+60.29	27.30'

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
6995-00-12	4	7
CONSTRUCTION PROJECT NUMBER 6995-00-13		

PLAT OF RIGHT OF WAY REQUIRED FOR

CITY OF BEAVER DAM, E. DAVIS ST. (S. SPRING ST.- UNIVERISITY AVE.)

E. DAVIS ST. | DODGE COUNTY

CITY

FOUND/VERIFIED SECTION CORNER LIMESTONE MONUMENT
Y: 721,185.741
X: 845,583.456

N0°29'08"W 1327.98' PT 101 TO SEC LINE

WEST 1/4 CORNER TO CENTER OF SECTION 4
N89°32'56"E 2708.74'
N89°32'56"E 675.23'

FOUND/VERIFIED SECTION CORNER PK W/ DODGE CO WASHER
Y: 721,207.063
X: 848,292.111

GN

OUTLOTS

OF

TOMASHEK
9-16-2016
PLAT OF SURVEY

SECOND

LOT 1
CSM 3913
V. 24 P.72

TLE - GRADING 1 — 308 SQ. FT.
TLE - GRADING 2 — 157 SQ. FT.
TLE - GRADING 3 — 276 SQ. FT.
TLE - GRADING 4 — 77 SQ. FT.
TLE - GRADING 5 — 128 SQ. FT.
TLE - GRADING 6 — 161 SQ. FT.
TLE - GRADING 7 — 217 SQ. FT.
TLE - GRADING 8 — 267 SQ. FT.
TLE - GRADING 9 — 186 SQ. FT.

SEE DETAIL A
N89° 35' 40"E 346.28'
SEE DETAIL B
SEE DETAIL C
N89° 23' 36"E 280.33'

1/2" IR

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

SLOPE INTERCEPT
RL=N89° 35' 40"E

BEGIN RELOCATION ORDER
STA 22+66.29
Y=720,461.221
X=847,626.763

E. DAVIS ST. OF

S89° 35' 40"W 622.91'

1" IP

S. SPRING ST.

EAST ROW LINE OF S SPRING ST.

UTTECH
4-20-1984
PLAT OF SURVEY

TLE - GRADING 16 — 226 SQ. FT.
TLE - GRADING 15 — 264 SQ. FT.
TLE - GRADING 14 — 257 SQ. FT.
TLE - GRADING 13 — 226 SQ. FT.
TLE - GRADING 12 — 287 SQ. FT.
TLE - GRADING 11 — 243 SQ. FT.
TLE - GRADING 17 — 523 SQ. FT.

WARD
BEAVER
DAM

NE-SW

UTTECH
2-5-1987
PLAT OF SURVEY

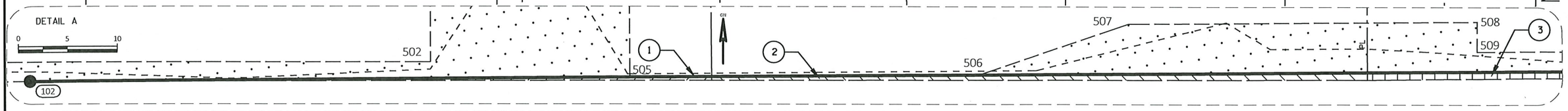
LOT 1
CSM 3024
V. 17 P.326

LOT 2
CSM 3024
V. 17 P.326

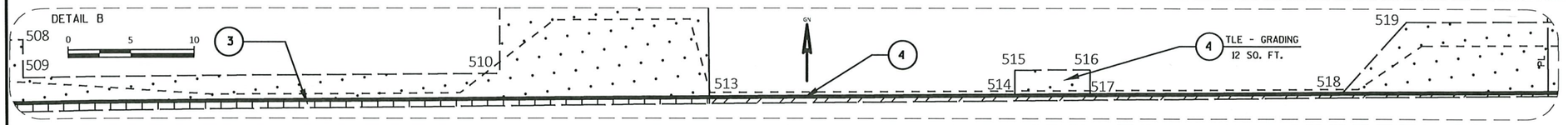
BEAVER DAM

MATCH LINE STA 28+50.00

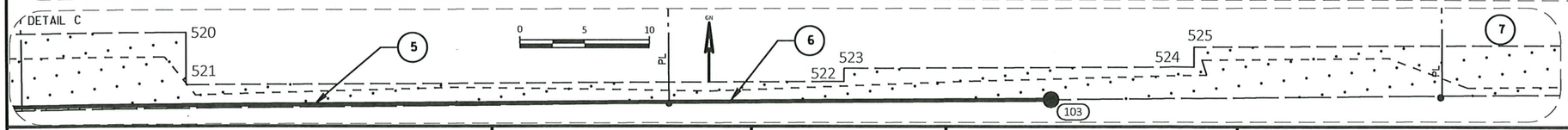
DETAIL A



DETAIL B



DETAIL C



NOTES:
SEE TITLE SHEET 4.01 FOR ADDITIONAL INFORMATION.

EXISTING RIGHT-OF-WAY OF E. DAVIS STREET IS ESTABLISHED FROM SURVEYS OF RECORD AS SHOWN ON DETAIL SHEET AND DEEDS OF RECORD.

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REVISION DATE	DATE 04/08/2021	SCALE, FEET 0 20 40	HWY: E. DAVIS ST.	STATE R/W PROJECT NUMBER 6995-00-12	PLAT SHEET 4.04
	GRID FACTOR		COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 6995-00-13	PS&E SHEET 75 E

FILE NAME : 00218045_DAVIS ST_PLAT_RECOVER.DWG
LAYOUT NAME - Sheet 4

PLOT DATE : 4/8/2021 8:47 AM PLOT BY : BRAD TISDALE PLOT NAME : PLOT SCALE : 1 IN:40 FT

RW POINT	STATION	OFFSET
104	29+06.33	-22.98'
105	29+10.26	-26.86'
106	29+10.14	-44.53'
107	29+34.70	-44.70'
108	29+58.04	-44.96'
109	29+58.78	-26.70'
110	29+62.08	-23.31'
111	32+38.69	-22.00'
112	32+38.69	-23.00'
113	32+59.38	-23.00'
114	32+59.38	-22.00'
115	33+45.00	-22.00'

RW POINT	STATION	OFFSET
116	33+45.00	-23.00'
158	34+10.05	29.81'
159	33+19.38	28.00'
160	33+19.38	29.00'
161	33+07.11	29.00'
162	33+04.40	33.41'
163	33+05.55	44.46'
164	33+04.96	44.52'
165	33+05.64	50.60'
166	32+55.94	56.13'
167	32+53.29	32.27'
168	32+48.52	28.00'

RW POINT	STATION	OFFSET
169	29+83.46	27.83'
170	29+83.46	29.22'
171	29+68.46	29.04'
172	29+62.42	31.94'
173	29+62.83	39.13'
174	29+61.74	39.18'
175	29+62.17	46.71'
176	29+34.41	47.32'
177	28+94.10	47.62'
178	28+93.98	32.51'
179	28+89.53	28.00'
181	33+46.12	-23.00'

TLE POINT	STATION	OFFSET
530	29+07.75	-25.00'
531	29+07.85	-39.87'
532	29+10.17	-39.85'
533	29+59.87	-45.02'
534	29+60.73	-25.42'
535	29+74.73	-24.53'
536	29+74.64	-22.53'
537	30+38.73	-22.00'
538	30+38.37	-24.99'
539	31+11.87	-25.26'
540	31+11.66	-26.99'
541	33+25.81	-27.75'

TLE POINT	STATION	OFFSET
542	33+25.82	-25.00'
543	34+00.20	-23.77'
544	34+00.23	-26.58'
617	34+24.25	34.71'
618	33+08.60	32.00'
619	33+10.15	45.97'
620	33+05.18	46.52'
621	32+52.96	56.46'
622	32+50.13	31.01'
623	31+53.36	31.00'
624	30+60.09	32.00'
625	30+60.09	29.00'

TLE POINT	STATION	OFFSET
626	29+83.46	28.83'
627	29+83.47	31.22'
628	29+65.58	30.96'
629	29+66.59	46.49'
630	28+94.05	41.91'
631	28+89.05	41.95'
632	28+88.98	31.97'

NOTES:
SEE TITLE SHEET 4.01 FOR ADDITIONAL INFORMATION.

EXISTING RIGHT-OF-WAY OF E. DAVIS STREET IS ESTABLISHED FROM SURVEYS OF RECORD AS SHOWN ON DETAIL SHEET AND DEEDS OF RECORD.

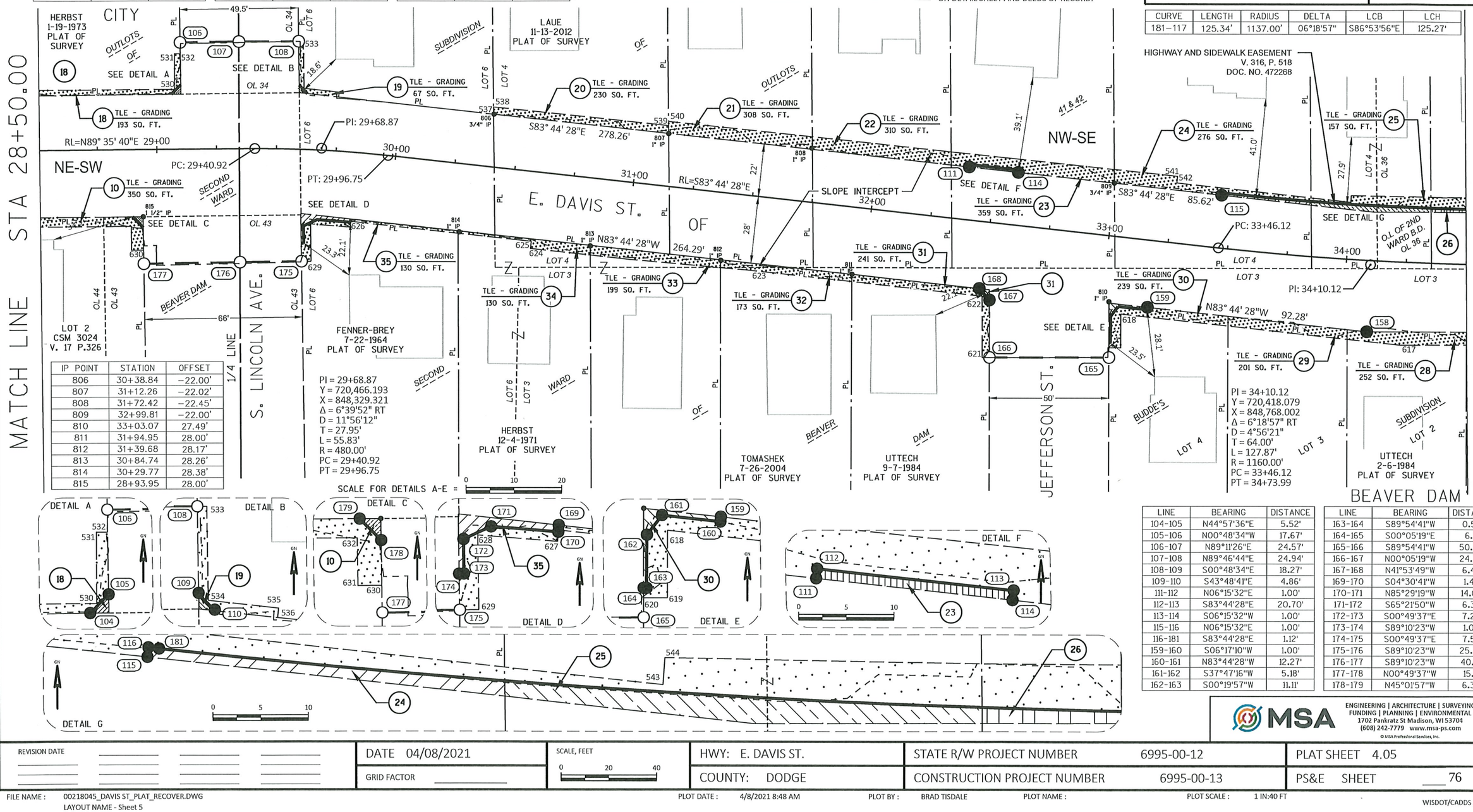
R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
6995-00-12	5	7
CONSTRUCTION PROJECT NUMBER 6995-00-13		

PLAT OF RIGHT OF WAY REQUIRED FOR

CITY OF BEAVER DAM, E. DAVIS ST. (S. SPRING ST.- UNIVERSITY AVE.)

E. DAVIS ST. | DODGE COUNTY

CURVE	LENGTH	RADIUS	DELTA	LCB	LCH
181–117	125.34'	1137.00'	06°18'57"	S86°53'56"E	125.27'



IP POINT	STATION	OFFSET
806	30+38.84	-22.00'
807	31+12.26	-22.02'
808	31+72.42	-22.45'
809	32+99.81	-22.00'
810	33+03.07	27.49'
811	31+94.95	28.00'
812	31+39.68	28.17'
813	30+84.74	28.26'
814	30+29.77	28.38'
815	28+93.95	28.00'

PI = 29+68.87
Y = 720,466.193
X = 848,329.321
Δ = 6°39'52" RT
D = 11°56'12"
T = 27.95'
L = 55.83'
R = 480.00'
PC = 29+40.92
PT = 29+96.75

PI = 34+10.12
Y = 720,418.079
X = 848,768.002
Δ = 6°18'57" RT
D = 4°56'21"
T = 64.00'
L = 127.87'
R = 1160.00'
PC = 33+46.12
PT = 34+73.99

LINE	BEARING	DISTANCE
104-105	N44°57'36"E	5.52'
105-106	N00°48'34"W	17.67'
106-107	N89°11'26"E	24.57'
107-108	N89°46'44"E	24.94'
108-109	S00°48'34"E	18.27'
109-110	S43°48'41"E	4.86'
111-112	N06°15'32"E	1.00'
112-113	S83°44'28"E	20.70'
113-114	S06°15'32"W	1.00'
115-116	N06°15'32"E	1.00'
116-181	S83°44'28"E	1.12'
159-160	S06°17'10"W	1.00'
160-161	N83°44'28"W	12.27'
161-162	S37°47'16"W	5.18'
162-163	S00°19'57"W	11.11'

LINE	BEARING	DISTANCE
163-164	S89°54'41"W	0.59'
164-165	S00°05'19"E	6.11'
165-166	S89°54'41"W	50.00'
166-167	N00°05'19"W	24.00'
167-168	N41°53'49"W	6.40'
169-170	S04°30'41"W	1.40'
170-171	N85°29'19"W	14.09'
171-172	S65°21'50"W	6.36'
172-173	S00°49'37"E	7.20'
173-174	S89°10'23"W	1.00'
174-175	S00°49'37"E	7.54'
175-176	S89°10'23"W	25.69'
176-177	S89°10'23"W	40.31'
177-178	N00°49'37"W	15.11'
178-179	N45°01'57"W	6.34'

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REVISION DATE	DATE 04/08/2021	SCALE, FEET 0 20 40	HWY: E. DAVIS ST.	STATE R/W PROJECT NUMBER 6995-00-12	PLAT SHEET 4.05	
	GRID FACTOR		COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 6995-00-13	PS&E SHEET 76	E

RW POINT	STATION	OFFSET
117	34+73.99	−23.00'
118	34+73.99	−22.00'
119	39+61.16	−22.00'
120	39+61.18	−23.00'
121	39+75.25	−23.00'
122	39+80.27	−27.39'
123	39+80.80	−47.21'
124	39+81.80	−47.18'
125	39+81.92	−52.18'
153	39+78.22	58.52'
154	39+78.69	33.07'
155	39+75.74	29.00'
156	39+64.13	29.00'
157	39+64.13	28.09'

TLE POINT	STATION	OFFSET
545	34+75.16	−27.94'
546	34+75.13	−23.90'
547	35+22.76	−24.12'
548	35+22.74	−27.12'
549	36+07.73	−27.73'
550	36+41.90	−22.00'
551	36+58.36	−22.00'
552	36+58.29	−32.09'
553	36+87.29	−32.30'
554	36+95.85	−25.36'
555	38+16.69	−26.24'
556	38+16.69	−28.83'
557	38+31.33	−28.81'
558	38+31.37	−25.34'

TLE POINT	STATION	OFFSET
559	38+65.16	−25.59'
560	38+65.16	−26.77'
561	38+77.16	−26.75'
562	38+77.16	−25.67'
563	39+76.51	−26.01'
564	39+78.31	−27.58'
565	39+78.82	−48.26'
566	39+80.82	−48.21'
567	39+80.92	−52.21'
600	39+78.39	49.78'
601	39+76.39	49.74'
602	39+76.68	34.00'
603	39+22.33	34.00'
604	39+22.33	30.00'

TLE POINT	STATION	OFFSET
605	38+86.03	30.27'
606	38+86.03	33.66'
607	38+62.33	33.69'
608	38+62.33	30.46'
609	38+20.13	30.74'
610	38+20.09	33.64'
611	38+04.34	33.72'
612	38+04.32	31.86'
613	37+19.91	32.47'
614	37+19.91	29.47'
615	36+60.15	29.90'
616	36+60.17	31.90'

LINE	BEARING	DISTANCE
117-118	S00°03'25"E	1.00'
119-120	N00°28'15"W	1.00'
120-121	N88°31'21"E	14.07'
121-122	N47°20'48"E	6.67'
122-123	N00°02'54"E	19.83'
123-124	S89°57'07"E	1.00'
124-125	N00°03'18"W	5.00'
153-154	N00°24'46"W	25.45'
154-155	N37°27'21"W	5.03'
155-156	S88°31'31"W	11.61'
156-157	N01°28'29"W	0.91'

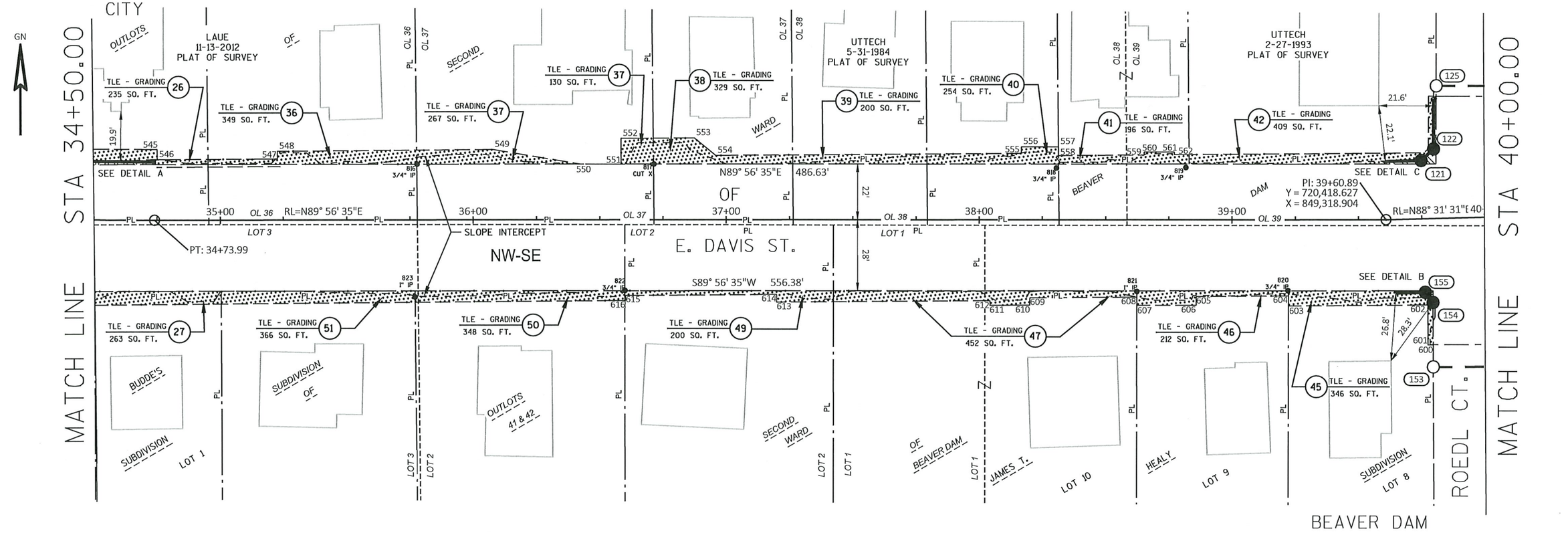
IP POINT	STATION	OFFSET
816	35+76.84	−21.50'
817	36+71.32	−21.97'
818	38+30.54	−20.46'
819	38+81.73	−20.59'
820	39+22.15	28.05'
821	38+62.33	28.29'
822	36+59.84	28.03'
823	35+76.99	30.51'

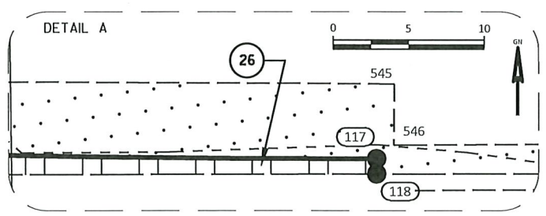
R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
6995-00-12		
CONSTRUCTION PROJECT NUMBER 6995-00-13	6	7

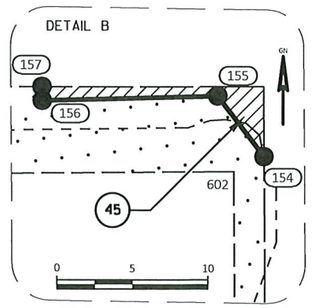
PLAT OF RIGHT OF WAY REQUIRED FOR

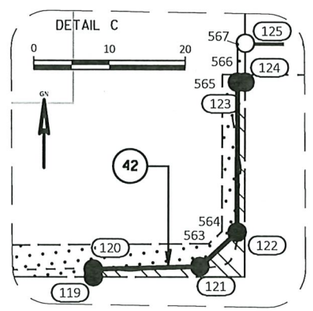
CITY OF BEAVER DAM, E. DAVIS ST. (S. SPRING ST.-UNIVERSITY AVE.)

E. DAVIS ST.	DODGE COUNTY









NOTES:
SEE TITLE SHEET 4.01 FOR ADDITIONAL INFORMATION.

EXISTING RIGHT-OF-WAY OF E. DAVIS STREET IS ESTABLISHED FROM SURVEYS OF RECORD AS SHOWN ON DETAIL SHEET AND DEEDS OF RECORD.

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REVISION DATE	DATE 04/08/2021	SCALE, FEET 0 20 40	HWY: E. DAVIS ST.	STATE R/W PROJECT NUMBER 6995-00-12	PLAT SHEET 4.06
	GRID FACTOR		COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 6995-00-13	PS&E SHEET 77 E

FILE NAME : 00218045_DAVIS ST_PLAT.DWG
LAYOUT NAME - Sheet 6
PLOT DATE : 4/8/2021 10:07 AM PLOT BY : BRAD TISDALE PLOT NAME : PLOT SCALE : 1 IN:40 FT

RW POINT	STATION	OFFSET
126	40+31.91	−50.94'
127	40+31.28	−25.51'
128	40+35.30	−23.00'
129	40+51.77	−23.00'
130	40+51.77	−22.00'
131	44+30.19	−22.00'
132	44+30.19	−23.00'
133	44+42.38	−23.00'
134	44+46.41	−30.37'
135	44+44.80	−40.56'

RW POINT	STATION	OFFSET
136	44+76.98	−45.76'
137	45+09.97	−50.99
138	45+12.77	−33.32
139	45+20.89	−34.64
140	45+22.37	−25.76
141	45+14.18	−24.43
142	45+25.77	48.76
143	44+92.75	54.00
144	44+60.59	59.09'
145	44+56.32	32.14'

RW POINT	STATION	OFFSET
146	44+51.47	28.00'
147	40+51.45	28.00'
148	40+51.43	29.00'
149	40+33.94	29.00'
150	40+30.34	31.80'
151	40+29.73	59.48'
152	40+28.21	59.44'

TLE POINT	STATION	OFFSET
568	40+31.85	−48.70'
569	40+32.85	−48.68'
570	40+32.27	−25.03'
571	40+51.94	−24.69'
572	--	--
573	40+88.47	−22.00'
574	40+97.38	−40.16'
575	41+25.70	−39.51'
576	41+30.29	−27.53'
577	42+10.05	−27.38'
578	42+10.05	−25.38'

TLE POINT	STATION	OFFSET
579	42+39.87	−25.32'
580	42+39.85	−28.92'
581	43+51.01	−28.92'
582	43+56.94	−36.50'
583	43+76.62	−37.00'
584	44+03.63	−22.00'
585	44+30.20	−25.96'
586	44+43.99	−25.93'
587	44+44.84	−27.50'
588	44+42.82	−40.25'
589	45+18.75	4.45'

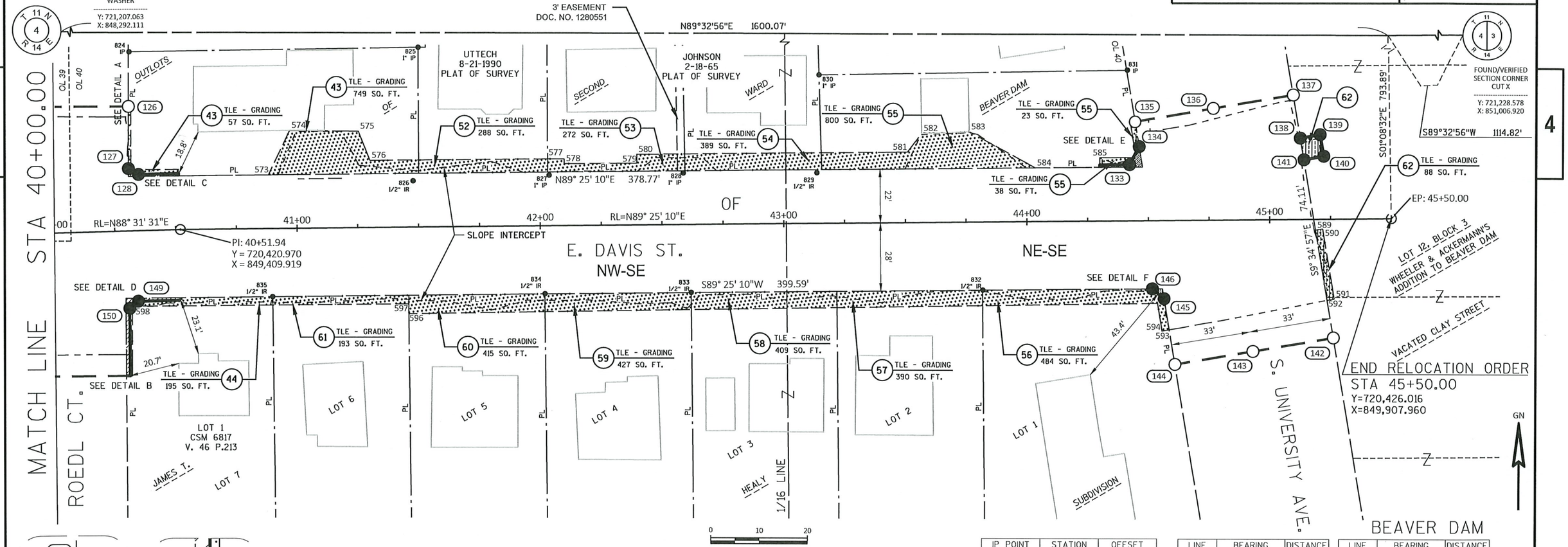
TLE POINT	STATION	OFFSET
590	45+21.72	3.98'
591	45+26.29	32.86'
592	45+23.33	33.33'
593	44+58.33	44.85'
594	44+55.37	45.32'
595	44+53.57	33.98'
596	41+45.72	35.56'
597	41+45.71	31.50'
598	40+31.43	30.96'
599	40+30.69	59.50'

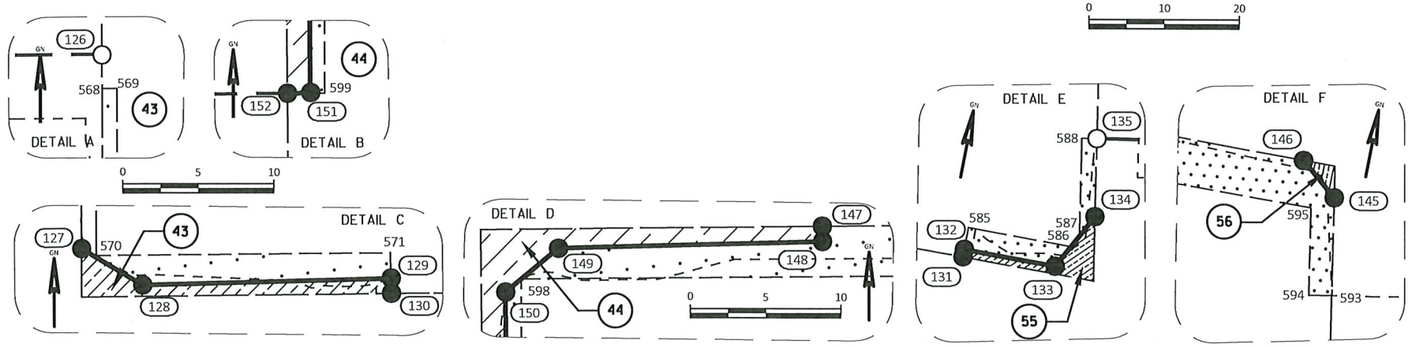
R/W PROJECT NUMBER 6995-00-12	SHEET NUMBER	TOTAL SHEETS
CONSTRUCTION PROJECT NUMBER 6995-00-13	7	7

PLAT OF RIGHT OF WAY REQUIRED FOR

CITY OF BEAVER DAM, E. DAVIS ST.
(S. SPRING ST. - UNIVERSITY AVE.)

E. DAVIS ST.	DODGE COUNTY





IP POINT	STATION	OFFSET
824	40+32.74	−73.40'
825	41+50.46	−73.66'
826	41+47.93	−18.94'
827	42+03.89	−20.74'
828	42+58.89	−21.06'
829	43+13.84	−20.75'
830	43+14.97	−60.89'
831	44+41.77	−61.74'
832	43+81.77	28.00'
833	42+61.68	27.96'
834	42+01.80	27.92'
835	40+89.70	28.00'

LINE	BEARING	DISTANCE
125-126	N89°56'42"E	50.00'
126-127	S00°03'42"E	25.44'
127-128	S59°28'04"E	4.74'
128-129	N88°31'31"E	16.46'
129-130	S01°28'29"E	1.00'
131-132	N00°34'50"W	1.00'
132-133	N89°25'10"E	12.19'
133-134	N28°07'30"E	8.40'
134-135	N09°34'57"W	10.32'
135-136	N80°14'38"E	32.60'
136-137	N80°25'03"E	33.40'
137-138	S09°34'57"E	17.89'
138-139	N80°11'47"E	8.23'

LINE	BEARING	DISTANCE
139-140	S10°03'59"E	9.00'
140-141	S80°11'47"W	8.30'
142-143	S80°25'03"W	33.44'
143-144	S80°25'03"W	32.56'
144-145	N09°34'57"W	27.29'
145-146	N50°05'10"W	6.37'
147-148	S00°23'46"E	1.00'
148-149	S88°30'38"W	17.49'
149-150	S50°34'54"W	4.56'
150-151	S00°12'13"E	27.68'
151-152	S89°47'46"W	1.52'
152-153	S89°35'14"W	50.00'

NOTES:
SEE TITLE SHEET 4.01 FOR ADDITIONAL INFORMATION.

EXISTING RIGHT-OF-WAY OF E. DAVIS STREET IS ESTABLISHED FROM SURVEYS OF RECORD AS SHOWN ON DETAIL SHEET AND DEEDS OF RECORD.

MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1702 Pankratz St Madison, WI 53704
(608) 242-7779 www.msa-ps.com
© MSA Professional Services, Inc.

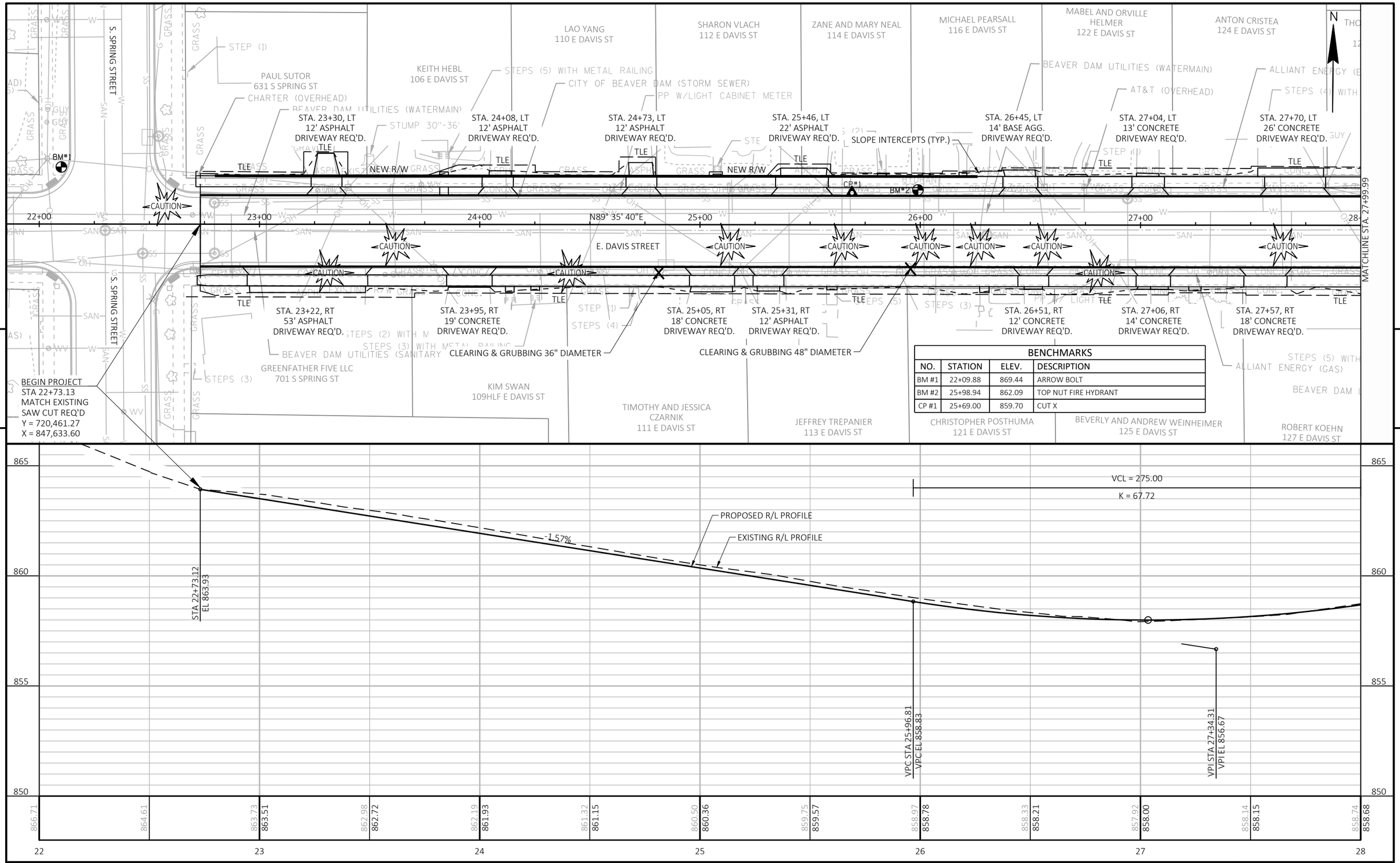
REVISION DATE	DATE 04/08/2021	SCALE, FEET 0 20 40	HWY: E. DAVIS ST.	STATE R/W PROJECT NUMBER 6995-00-12
	GRID FACTOR		COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 6995-00-13

PLAT SHEET 4.07

PS&E SHEET 78 E

FILE NAME : 00218045_DAVIS ST_PLAT.DWG
LAYOUT NAME - Sheet 7
PLOT DATE : 4/16/2021 1:45 PM
PLOT BY : BRAD TISDALE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 75



PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PLAN AND PROFILE: PLAN AND PROFILE	SHEET 79	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101-pp
PLOT DATE : 7/27/2021 11:47 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

P.I. = STA. 29+68.87
Y = 720,466.19
X = 848,329.32
DELTA ANGLE = 06°39'52"
DEGREE OF CURVATURE = 11°56'12"
T. = 27.95'
L. = 55.83'
R. = 480.00'
P.C. = STA. 29+40.92
Y = 720,465.99
X = 848,301.37
P.T. = STA. 29+96.75
Y = 720,463.15
X = 848,357.10

THOMAS AND GINA TOUTANT
618 S LINCOLN AVE
MAS AND GINA TOUTANT
8 E DAVIS ST
136 E DAVIS S
136 E DAVIS S
CARRIE ICH 'IS ST
DONNA DYE
144 E DAVIS ST
KASEY WILLIS
148 E DAVIS ST
PETER AND TAMMI STEGNER
150 E DAVIS ST
JASON LUECK
152 E DAVIS ST
S. LINCOLN AVENUE
E. DAVIS STREET
JEFFERSON STREET

STA. 28+34, LT
24' CONCRETE
DRIVEWAY REQ'D.

STA. 31+00, LT
12' ASPHALT
DRIVEWAY REQ'D.

STA. 31+54, LT
12' ASPHALT
DRIVEWAY REQ'D.

STA. 32+21, LT
12' CONCRETE
DRIVEWAY REQ'D.

STA. 32+81, LT
12' CONCRETE
DRIVEWAY REQ'D.

STA. 33+14, LT
24' CONCRETE
DRIVEWAY REQ'D.

STA. 28+25, RT
12' ASPHALT
DRIVEWAY REQ'D.

STA. 29+90, RT
12' CONCRETE
DRIVEWAY REQ'D.

STA. 30+84, RT
27' CONCRETE/BASE AGG.
DRIVEWAY REQ'D.

STA. 31+47, RT
12' BASE AGG.
DRIVEWAY REQ'D.

STA. 33+93, RT
12' CONCRETE
DRIVEWAY REQ'D.

CLEARING & GRUBBING 22" DIAMETER
CLEARING & GRUBBING 8" DIAMETER
SLOPE INTERCEPTS (TYP.)
NEW R/W
TLE
CAUTION
PC: 29+40.92
PT: 29+96.75
PC: 33+46.12
MATCHLINE STA. 27+99.99
MATCHLINE STA. 33+99.99
N89° 35' 40"E
S83° 44' 28"E
29+00
30+00
31+00
32+00
33+00
34+00
CR#3

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
CP #3	31+18.18	857.36	CUT X

DANIEL AND BETTY TROST
129 E DAVIS ST
EUGENE & CONSTANCE FREY
137 E DAVIS ST
DANIEL & JAMIE ROEN
139 E DAVIS ST
JUSTMANN INVESTMENTS LLC
143 E DAVIS ST
DUSTIN PARKHURST
145 E DAVIS ST
RUSSELL AND SANDRA ZIESKE
147 E DAVIS ST
JAMIE LYNN THOMPSON
153 E DAVIS ST
SCHUMANN REVOCAB LIVING TRUST
155 E DAVIS ST

PROPOSED R/L PROFILE
EXISTING R/L PROFILE
K = 67.72
VCL = 165.00
K = 37.91
VCL = 120.00
K = 40.77
VCL = 110.00
K = 19.35
2.49%
-3.20%
1.16%
VPT STA 28+71.81
VPT EL 860.09
VPC STA 28+99.21
VPC EL 860.77
VPI STA 29+54.21
VPI EL 862.14
VPT STA 30+09.21
VPT EL 860.38
VPC STA 30+48.64
VPC EL 859.12
VPI STA 31+31.14
VPI EL 856.48
VPT STA 32+13.64
VPT EL 857.43
VPC STA 33+25.06
VPC EL 858.72
VPI STA 33+85.06
VPI EL 859.41

865 860 855 850

858.74 858.68 859.77 859.58 861.22 860.79 861.64 861.37 860.79 860.65 859.22 859.07 857.72 857.82 857.13 857.23 857.36 857.30 857.78 857.85 858.38 858.43 858.98 859.08 860.21 860.27

28 29 30 31 32 33 34

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PLAN AND PROFILE: PLAN AND PROFILE	SHEET 80	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050102-pp
PLOT DATE : 7/27/2021 11:47 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

P.I. = STA. 34+10.12
Y = 720,418.08
X = 848,768.00
DELTA ANGLE = 06°18'58"
DEGREE OF CURVATURE = 04°56'21"
T. = 64.00'
L. = 127.87'
R. = 1,160.00'
P.C. = STA. 33+46.12
Y = 720,425.06
X = 848,704.38
P.T. = STA. 34+73.99
Y = 720,418.14
X = 848,832.00

P.I. STA. = 39+60.89
Y = 720,418.63
X = 849,318.90
Δ. = 01°25'04"

N

ESCAMILLA-ALVAREZ
158 E DAVIS ST

STATZ CUSTOM HOMES INC
168 E DAVIS ST

WALTER AND BETTY MALCHEK
170 E DAVIS ST

MICHAEL & DARLENE WISNIEWSKI
172 E DAVIS ST

KENNETH SCHMUHL
176 E DAVIS ST

JUSTMANN INVESTMENTS LLC
178 E DAVIS ST

SEAN MATTHEWS
180 E DAVIS ST

GREG BOHRMUELLER
134 ROEDL CT

ROEDL COURT

STEPS (4) WITH METAL RAILING
ALLIANT ENERGY (ELECTRIC OVERHEAD)
BEAVER DAM UTILITIES (WATERMAIN)
STEPS (4) WITH METAL RAILING
STEPS (4) WITH METAL RAILING
22" DIA STUMP
LANDSCAPING
CHARTER (OVERHEAD)
HYDRANT
NEW R/W
TLE
PI: 39+60.89

STA. 34+34, LT
21' CONCRETE/ASPHALT
DRIVEWAY REQ'D.

PT: 34+73.99

STA. 35+30, LT
12' BASE AGG,
DRIVEWAY REQ'D.

STA. 35+99, LT
12' BASE AGG.
DRIVEWAY REQ'D.

STA. 36+74, LT
20' ASPHALT
DRIVEWAY REQ'D.

STA. 37+77, LT
22' CONCRETE/BASE AGG.
DRIVEWAY REQ'D.

STA. 38+25, LT
12' BASE AGG.
DRIVEWAY REQ'D.

STA. 38+71, LT
12' CONCRETE
DRIVEWAY REQ'D.

MATCHLINE STA. 33+99.99

35+00 36+00 37+00 38+00 39+00

N89° 56' 35"E

N88° 31' 31"E 40

MATCHLINE STA. 40+00.03

CAUTION

E. DAVIS STREET

CP#4

SLOPE INTERCEPTS (TYP.)

STA. 34+41, RT
12' CONCRETE
DRIVEWAY REQ'D.

STA. 34+92, RT
12' ASPHALT
DRIVEWAY REQ'D.

STA. 35+66, RT
12' CONCRETE
DRIVEWAY REQ'D.

STA. 36+49, RT
16' CONCRETE
DRIVEWAY REQ'D.

STA. 37+32, RT
15' BASE AGG.
DRIVEWAY REQ'D.

STA. 37+51, RT
12' CONRETE
DRIVEWAY
APRON REQ'D.

STA. 38+12, RT
12' CONCRETE
DRIVEWAY REQ'D.

STA. 38+76, RT
15' CONCRETE
DRIVEWAY REQ'D.

BEAVER DAM UTILITIES (SANITARY SEWER)
CITY OF BEAVER DAM (STORM SEWER)
24" DIA TREE
12" DIA TREE

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #3	34.51.92	864.85	TOP NUT FIRE HYDRANT
CP #4	36+14.01	866.88	CUT X

WILLIAM HOCH
157 E DAVIS ST

ZHOU ZHENG
161 E DAVIS ST

KYLIE & SARAH DIELS
165 E DAVIS ST

JEROME AND TONI HAAS
169 E DAVIS ST

DAVID AND GAIL ROGERS
173 E DAVIS ST

JORGE RAMIREZ
183 E DAVIS ST

JORGE RAMIREZ
183 E DAVIS ST

RYAN THOMAS
185 E DAVIS ST

LINDA & ROBERT ZAMZOW
187 E DAVIS ST

5

5

VCL = 120.00
K = 40.77

VPT STA 34+45.06
VPT EL 861.87

4.10%

VPC STA 35+29.74
VPC EL 865.34

VPI STA 35+92.24
VPI EL 867.90

VPT STA 36+54.74
VPT EL 866.98

VCL = 140.00
K = 66.83

PROPOSED R/L PROFILE
EXISTING R/L PROFILE

-1.48%

0.61%

VCL = 125.00
K = 22.40

VPC STA 37+47.95
VPC EL 865.60

VPI STA 38+17.95
VPI EL 864.56

VPT STA 38+87.95
VPT EL 864.99

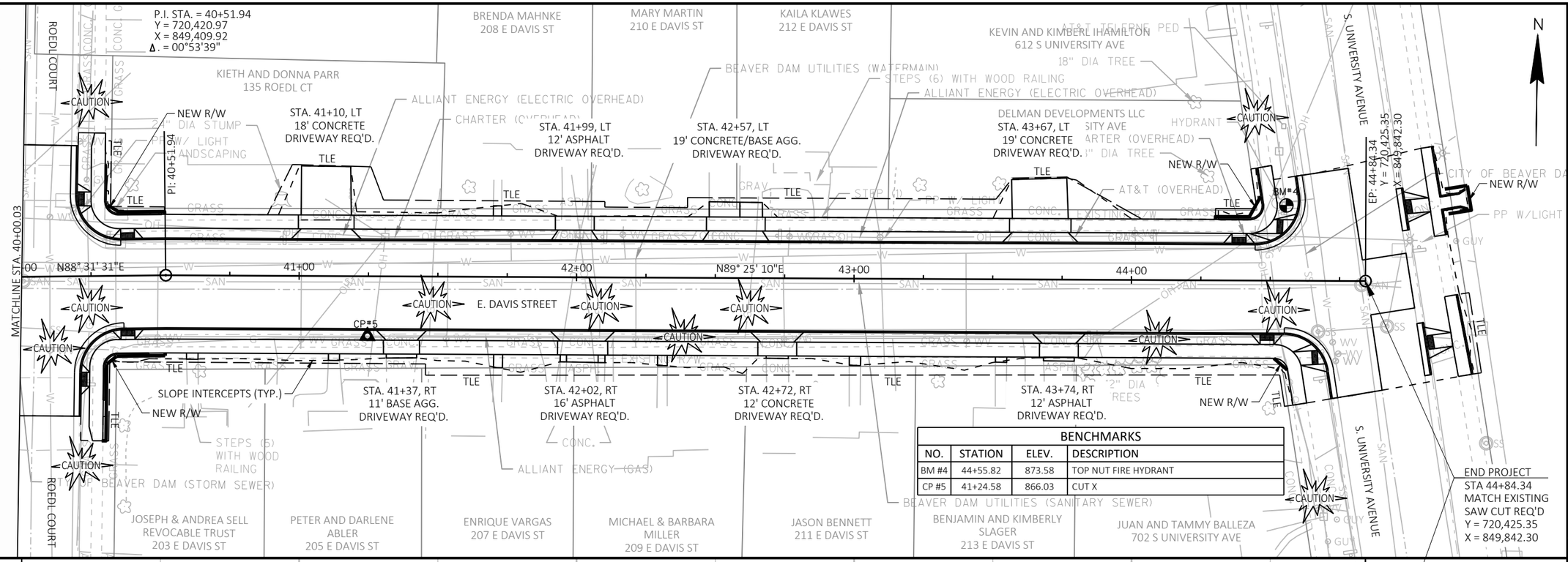
870
865
860
857

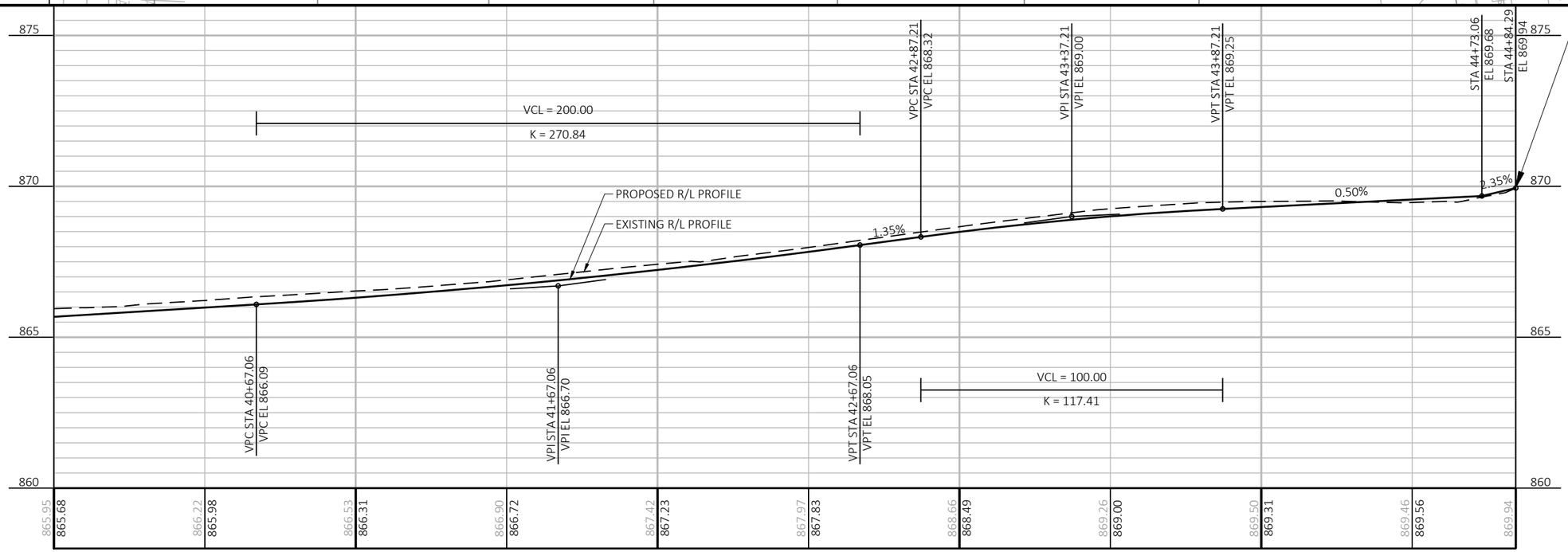
860.21 860.27 862.05 862.07 864.21 864.12 866.06 866.08 867.20 867.12 867.35 867.04 866.68 866.31 865.90 865.57 865.27 865.03 865.13 864.86 865.29 865.06 865.59 865.37 865.95 865.68

34 35 36 37 38 39 40

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PLAN AND PROFILE: PLAN AND PROFILE	SHEET 81	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\!CADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050103-pp
PLOT DATE : 7/27/2021 11:47 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT



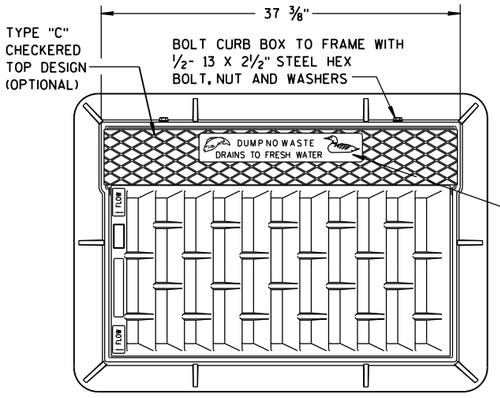


PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	PLAN AND PROFILE: PLAN AND PROFILE	SHEET 82	E

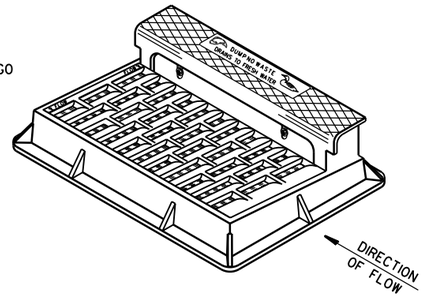
FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050104-pp
PLOT DATE : 7/27/2021 11:47 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

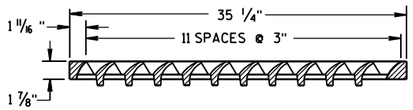
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-02	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
09B02-10	CONDUIT
09B04-11	PULL BOX
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

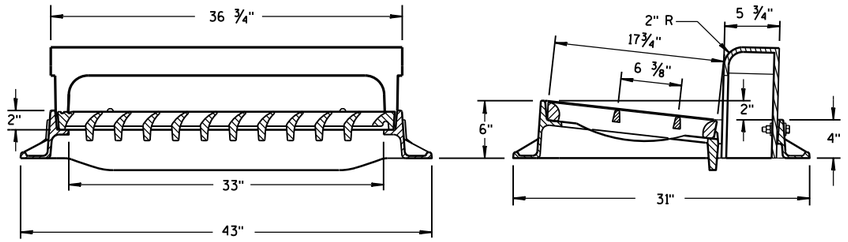


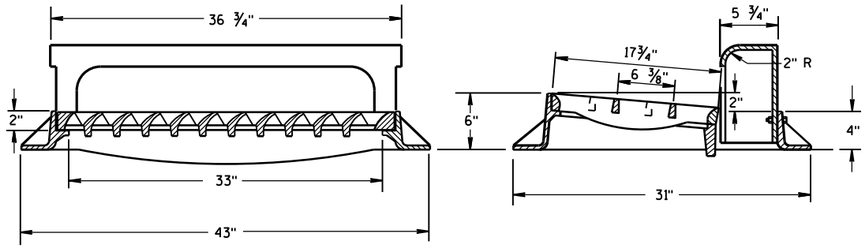
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

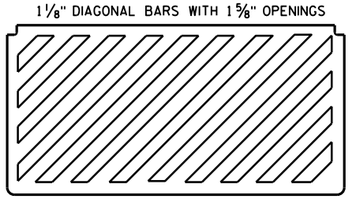






TYPE "H"

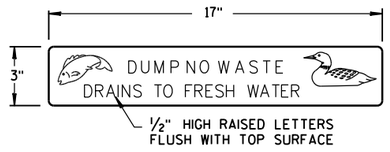
NOTE: EITHER CASTING IS ACCEPTABLE



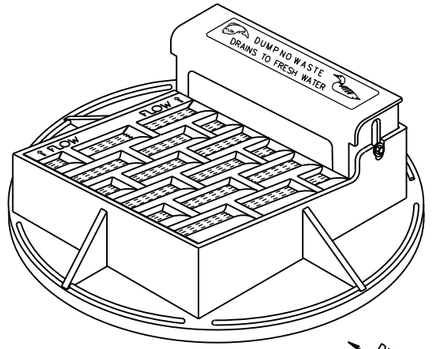
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

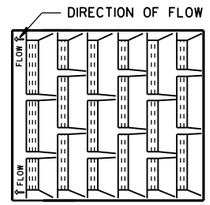
NOTE:
GRATE IS REVERSIBLE.

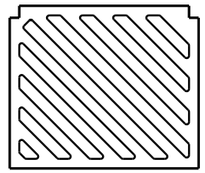
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

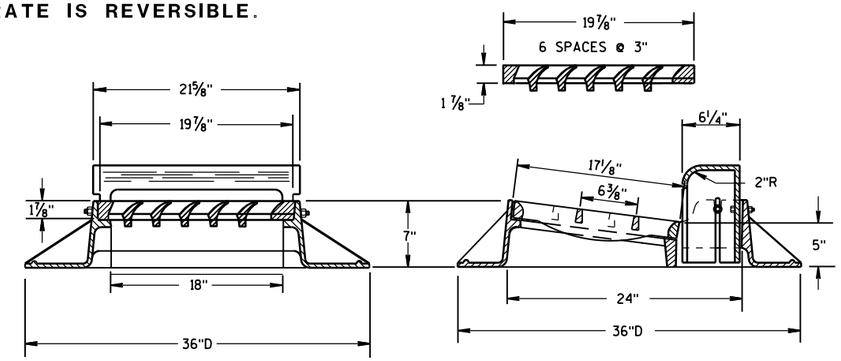




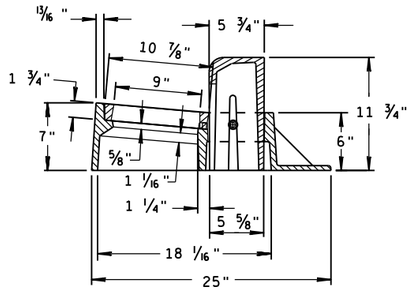
SPECIAL GRATE FOR TYPE "A" COVER

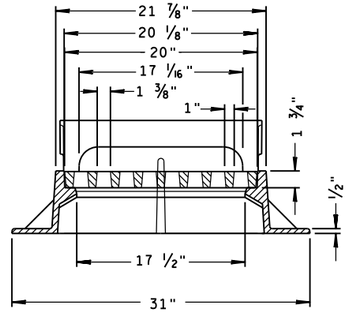
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

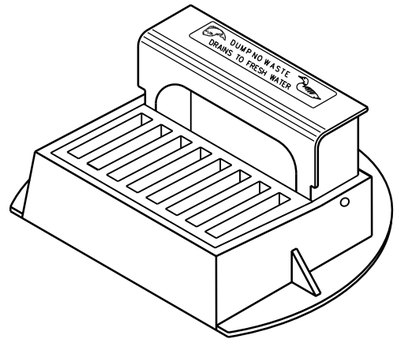


TYPE "A"





TYPE "Z"



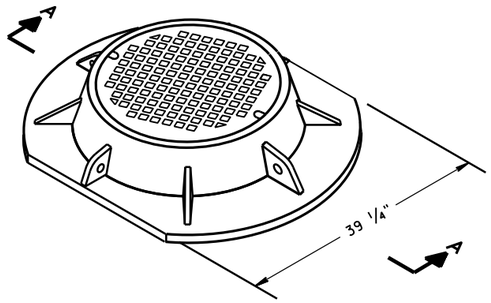
INLET COVERS
TYPE A, H, A-S, H-S & Z

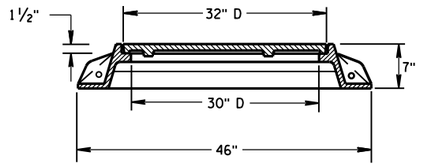
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

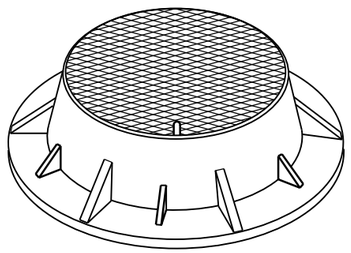
6

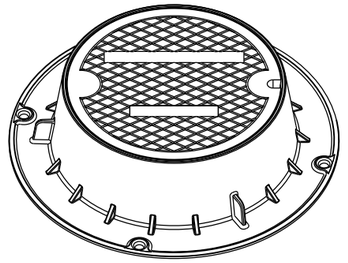
S.D.D. 8 A 5-19a

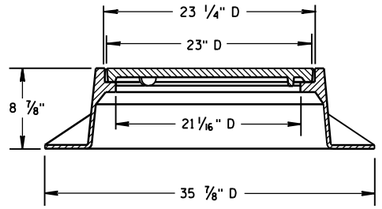


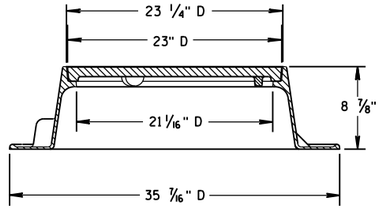


SECTION A-A
TYPE "K"









TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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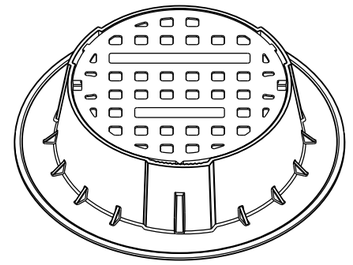
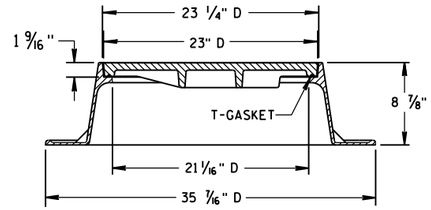
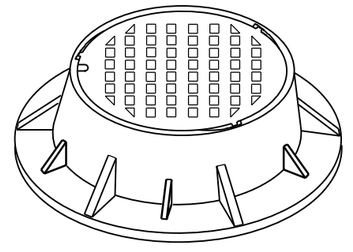
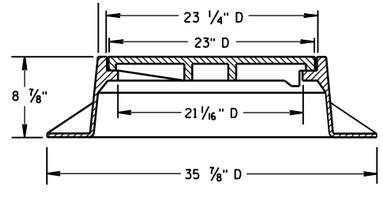
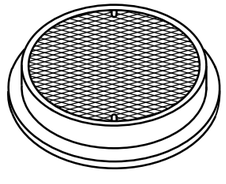


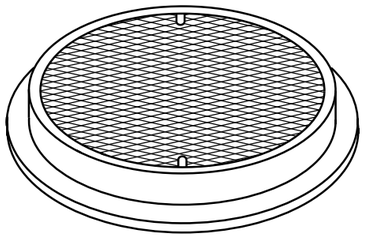


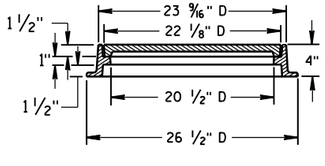




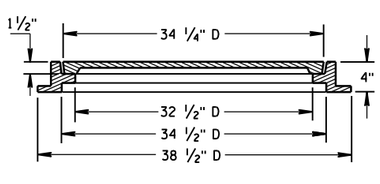
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



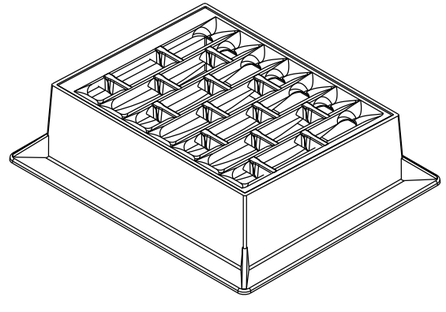


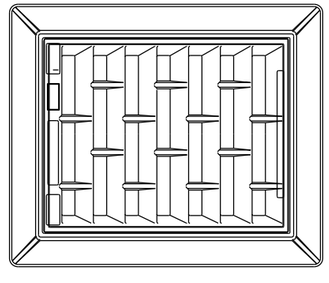


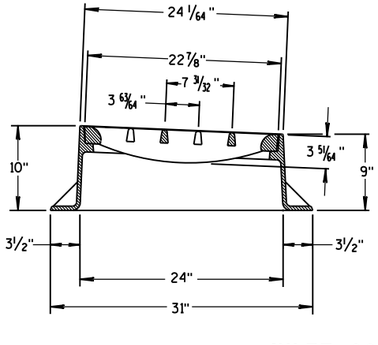
TYPE "L"

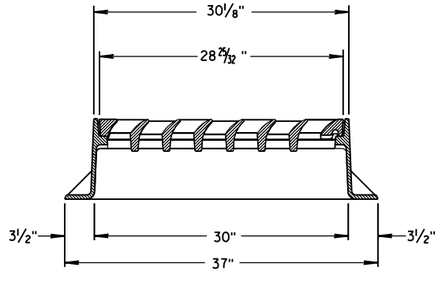


TYPE "M"









INLET COVER TYPE "BW"

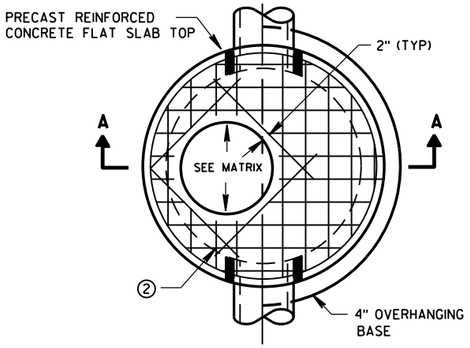
INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

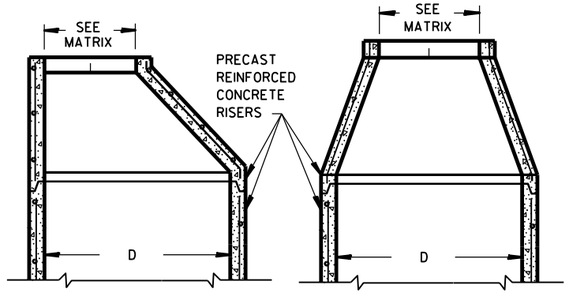
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 A 5-19d

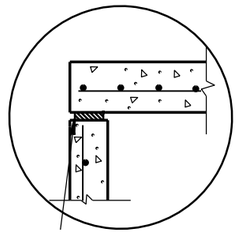


PLAN VIEW CIRCULAR OPENING

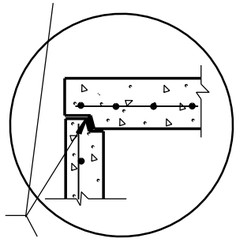


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

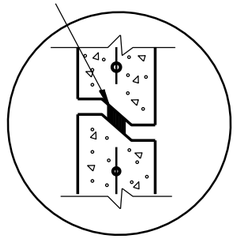


TOP WITH PLAIN END JOINT



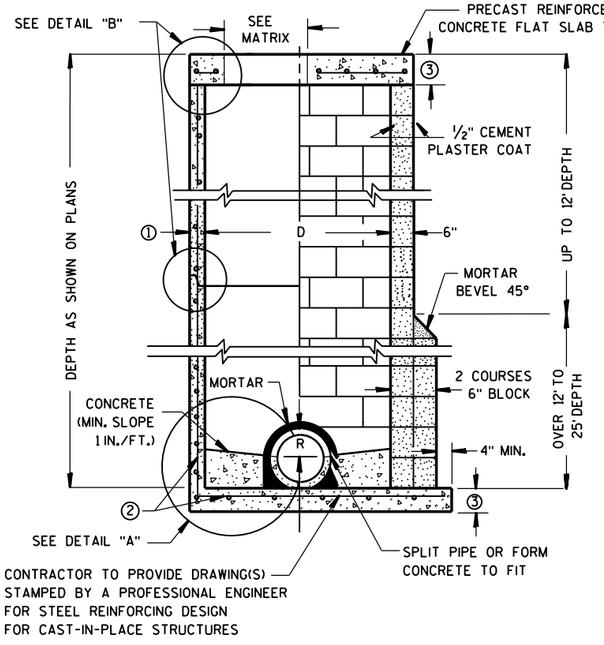
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



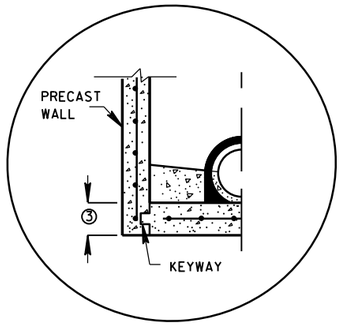
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

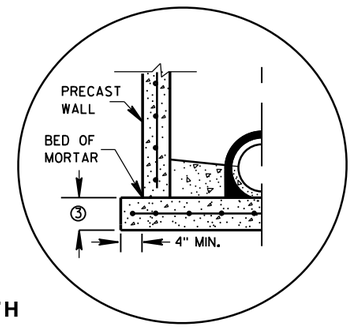


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

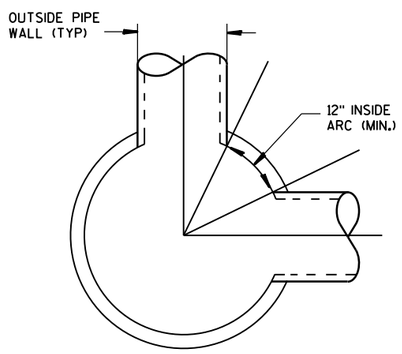


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

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

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

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

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

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

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

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

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

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

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

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

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

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

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

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

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

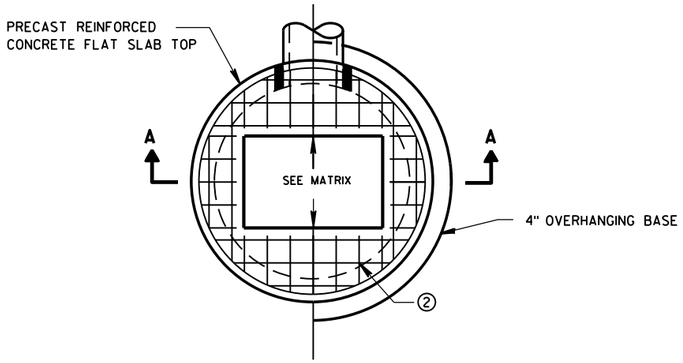
APPROVED

Sept., 2016
DATE

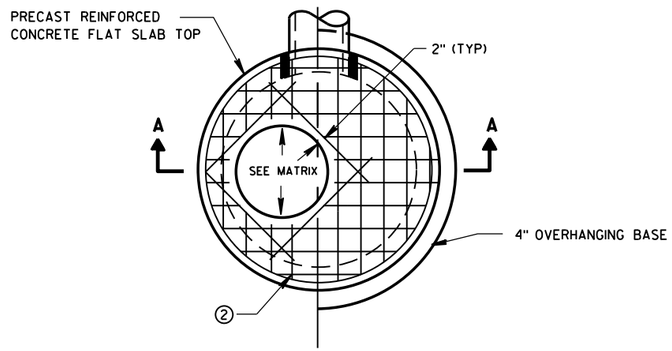
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

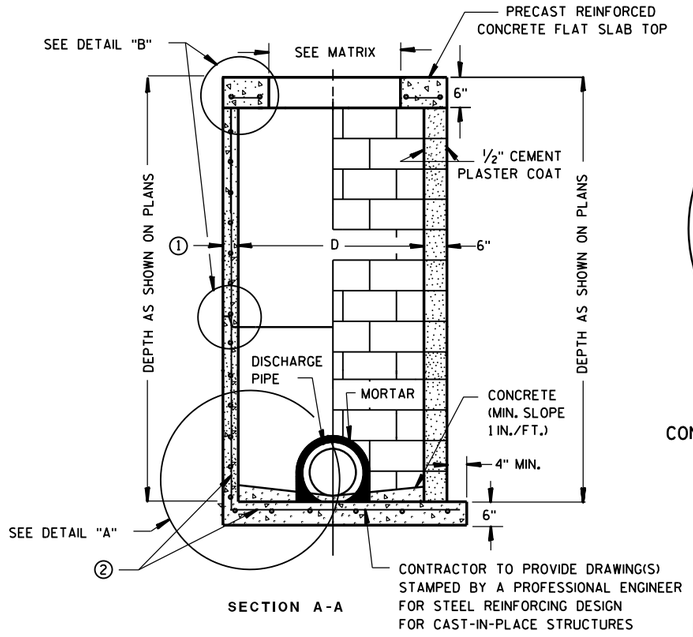
6
S.D.D. 8 B 9-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

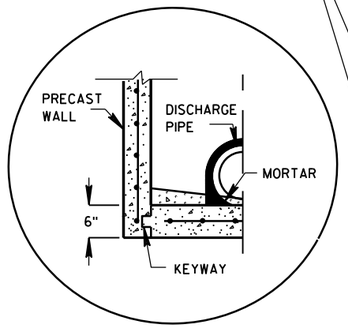


SECTION A-A

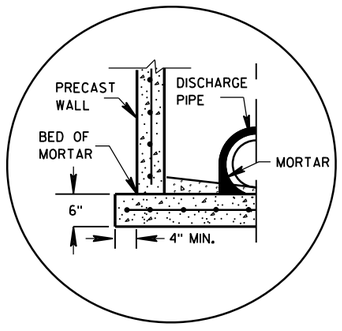
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

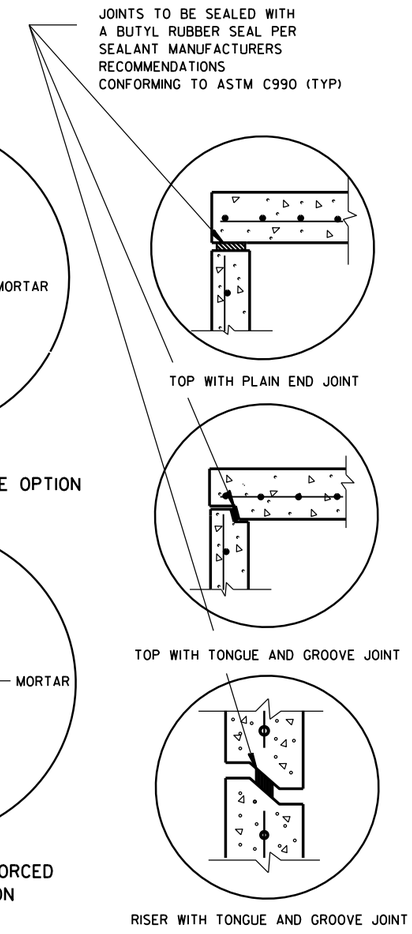


PRECAST REINFORCED
CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED
CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

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

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

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

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

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

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

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

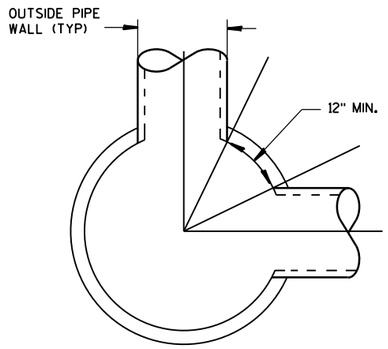
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

INLETS 3-FT
AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
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/S/ Rodney Taylor
ROADWAY STANDARDS | ENT
UNIT SUPERVI
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S.D.D. 8 C 6-2

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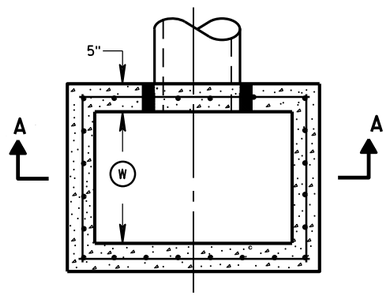
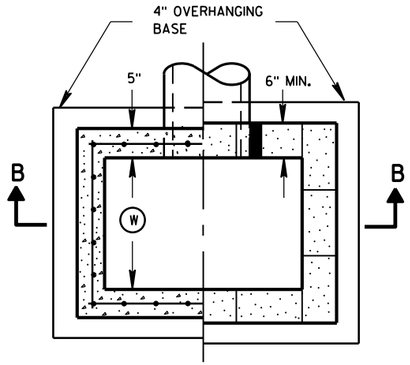
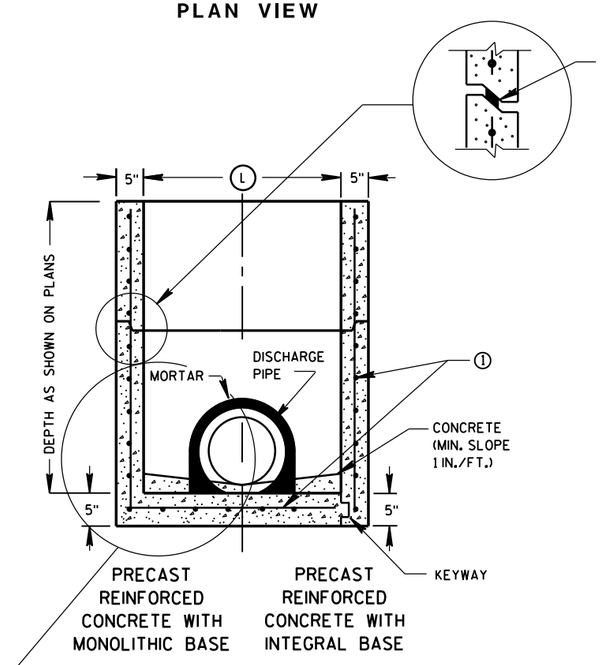
S.D.D. 8 C 6-2



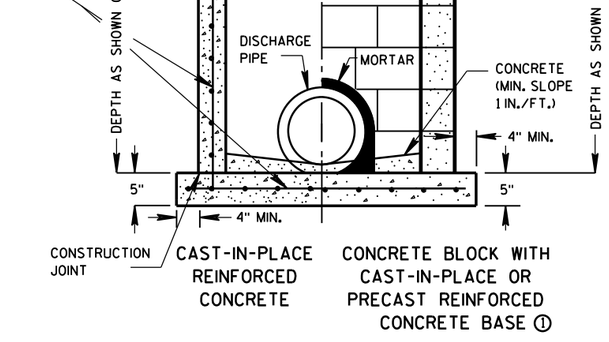
PLAN VIEW



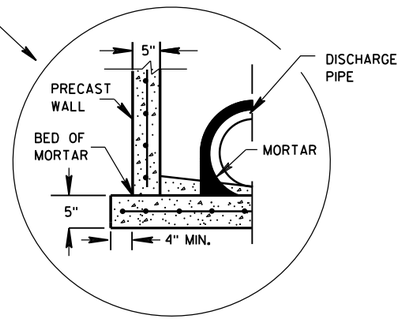
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

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

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

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

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

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

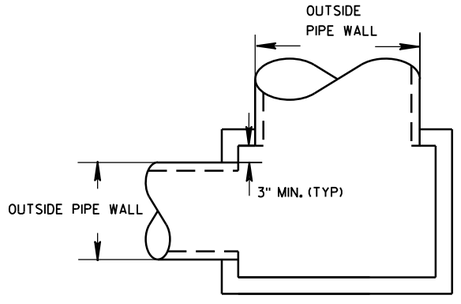
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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Sept., 2016 — DATE
/S/ Rodney Taylor
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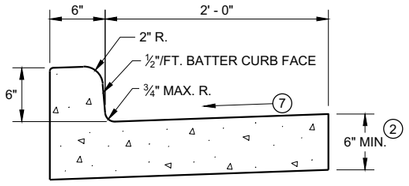
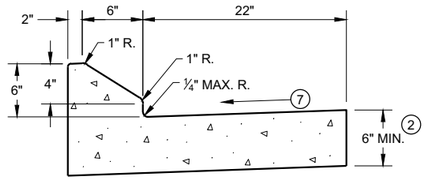
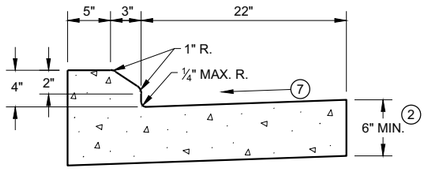
S.D.D. 8 C 7-2



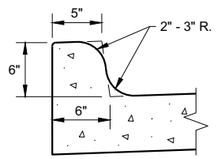
TYPES A (1) & D



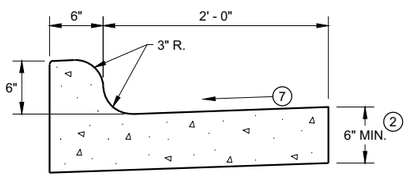
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

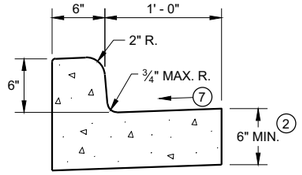


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



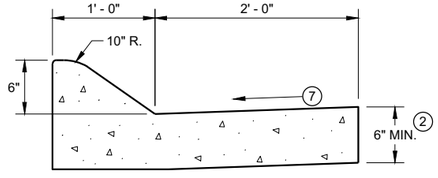
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

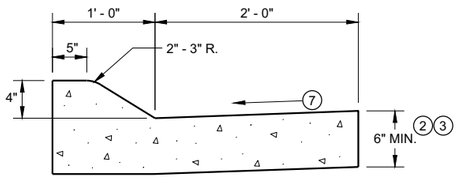


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

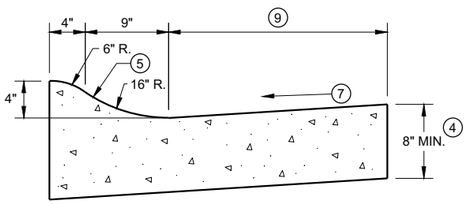


6" SLOPED CURB TYPES A (1) & D



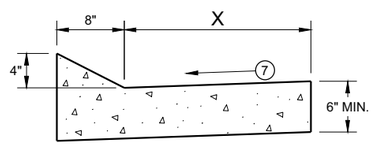
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

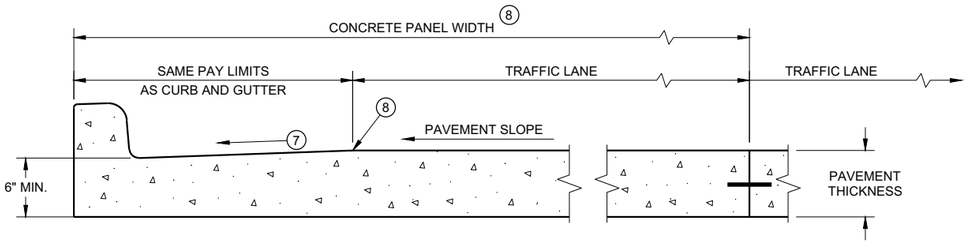


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

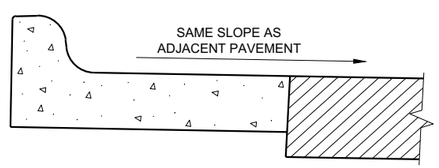
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

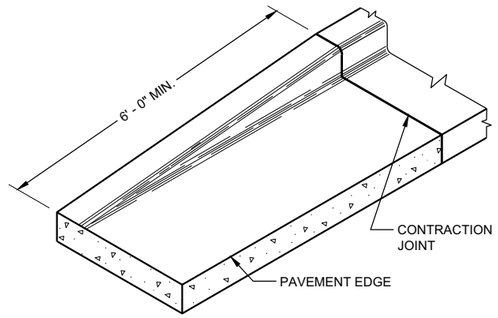
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

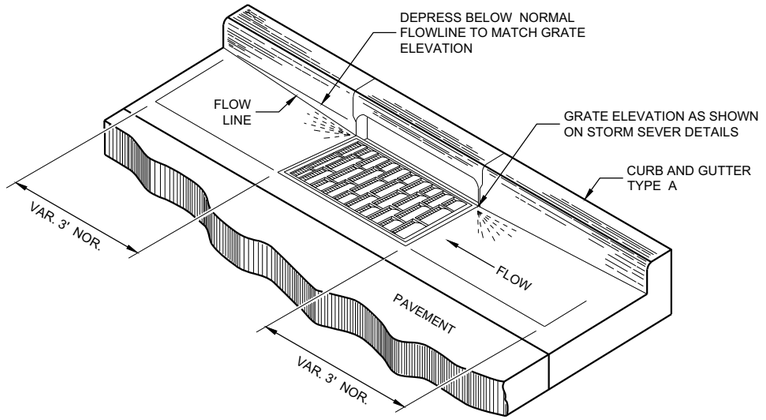
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 22a
SDD 08D01 - 22a



END SECTIONCURB AND GUTTER



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

GENERAL NOTES

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

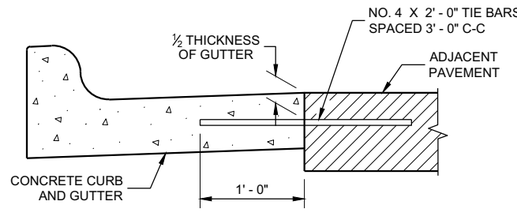
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

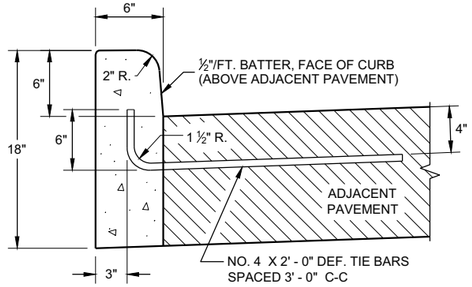
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

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

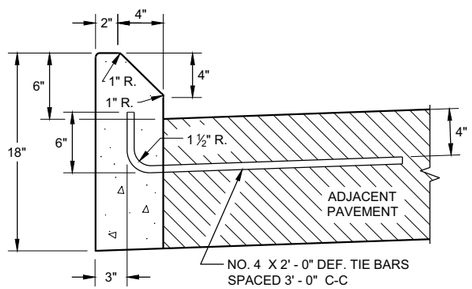
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

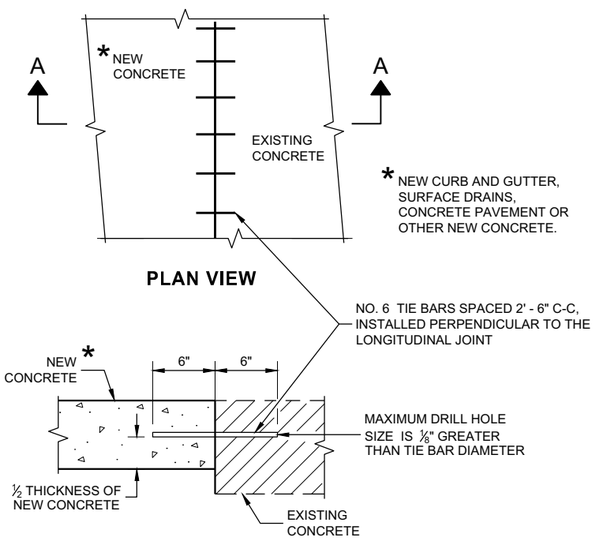


TYPES A (1) & D



TYPES G (1) & J

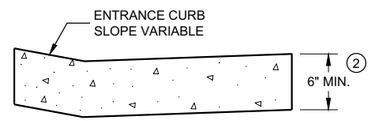
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

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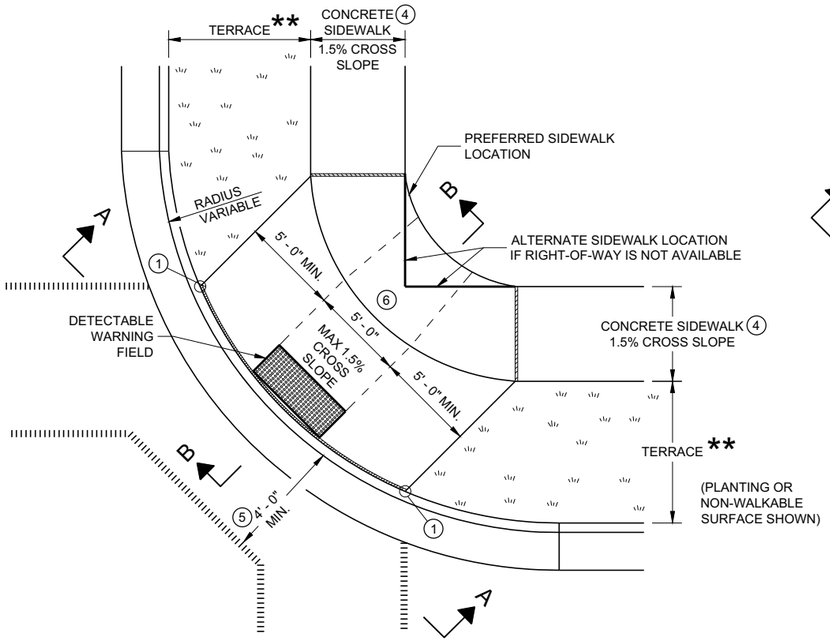
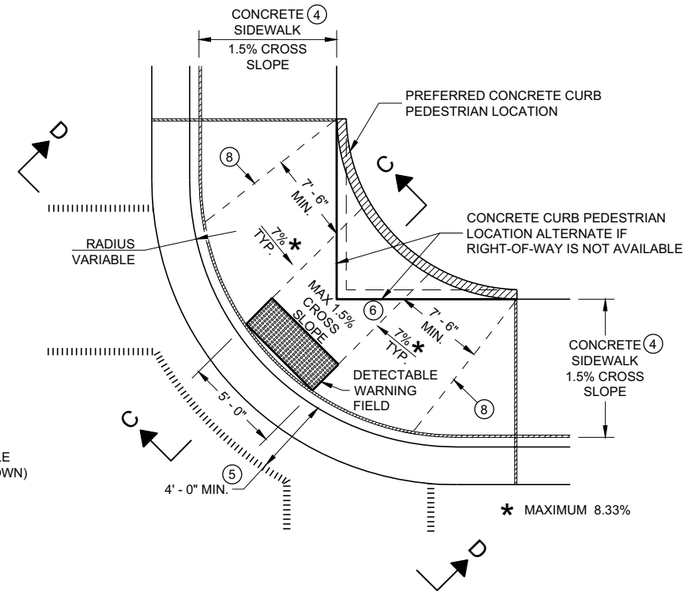
SDD08D01 - 22b



PLAN VIEW

CURB RAMP TYPE 1

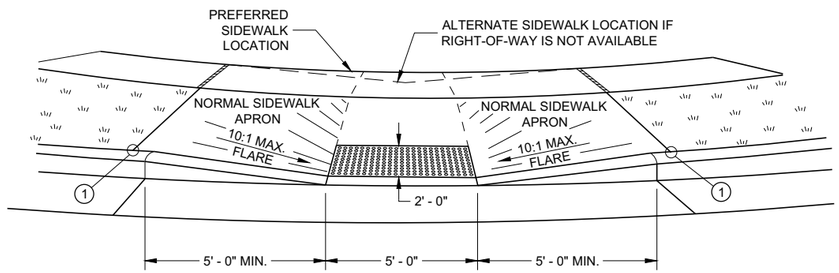
(CENTER OF CORNER RADIUS)



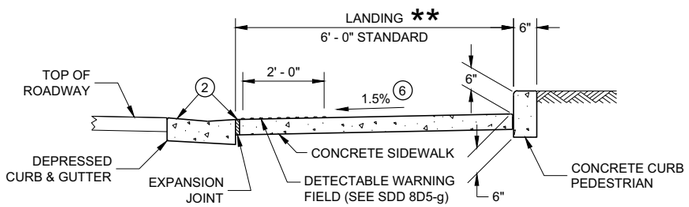
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

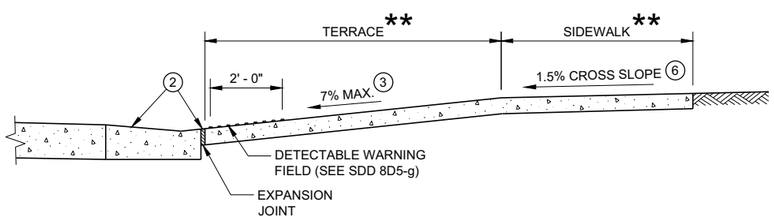


VIEW A - A FOR TYPE 1

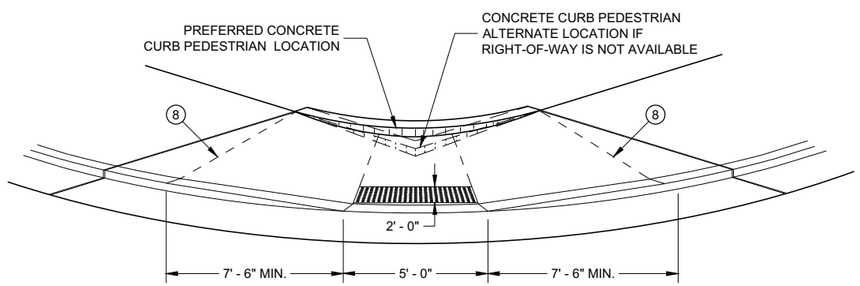


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

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

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

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

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

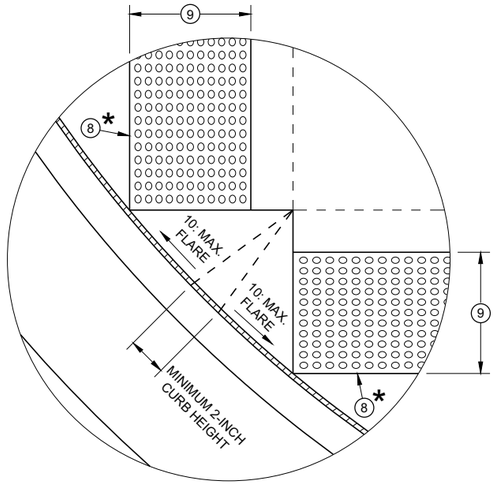
LEGEND

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

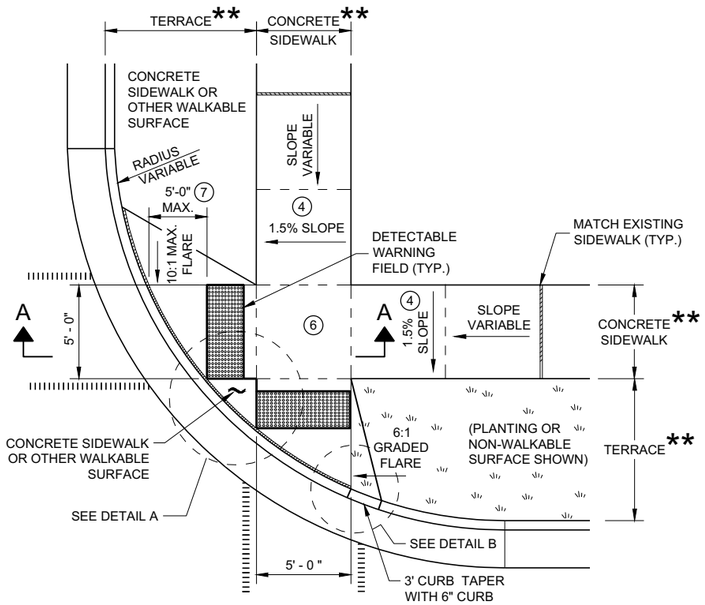
CURB RAMPS
TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

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

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

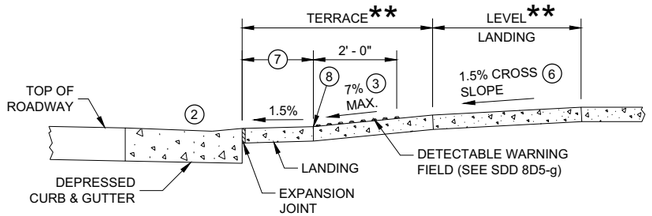
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

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

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

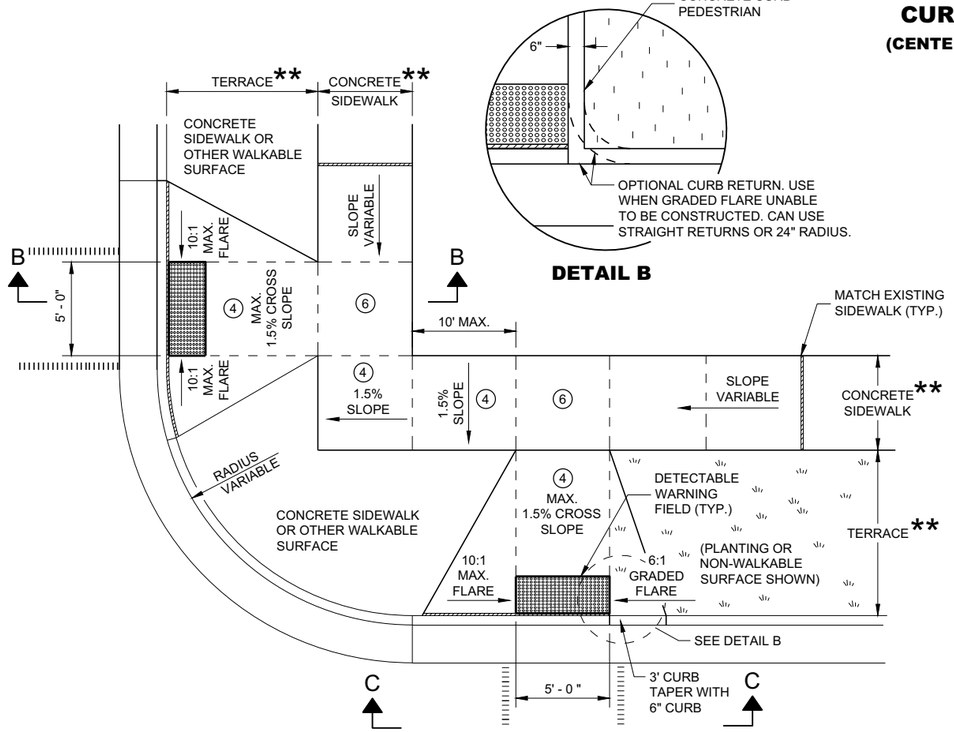
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

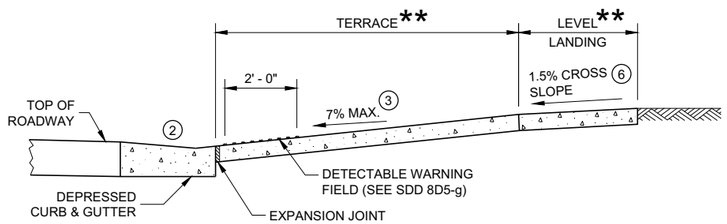
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



DETAIL B

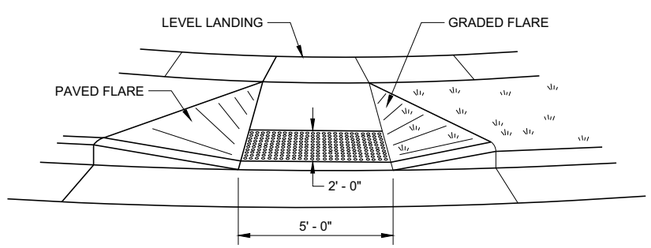
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

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



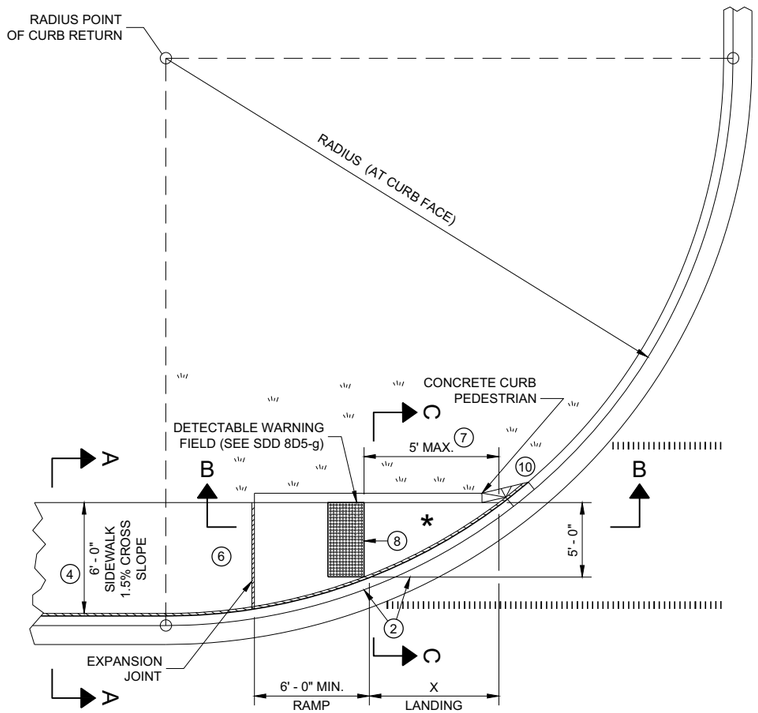
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

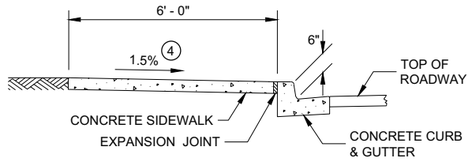


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

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

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

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

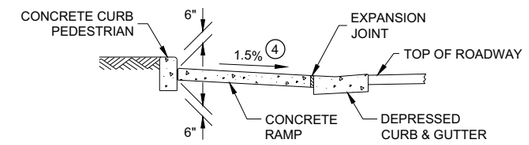
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

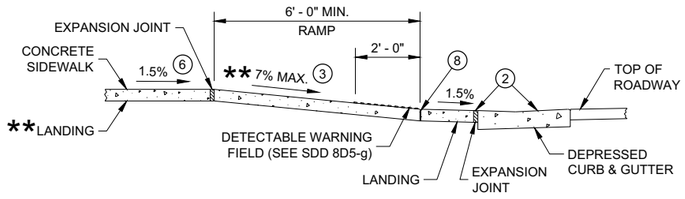
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



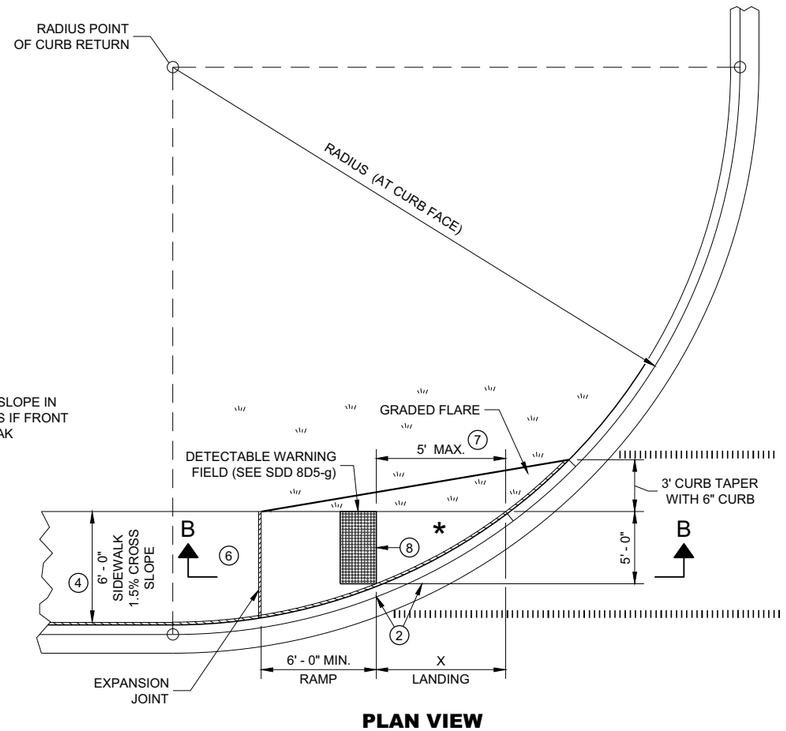
SECTION C - C FOR TYPE 4A



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

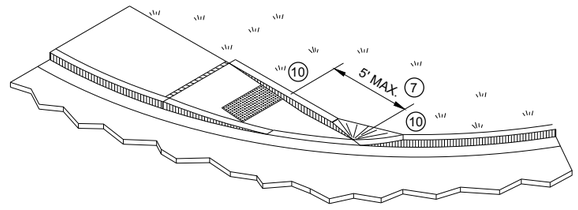
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

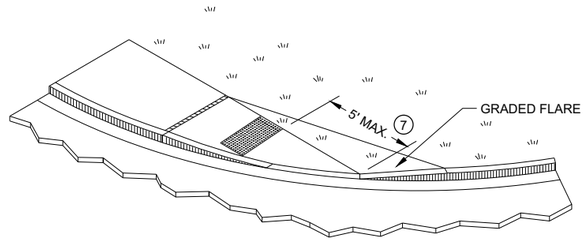


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



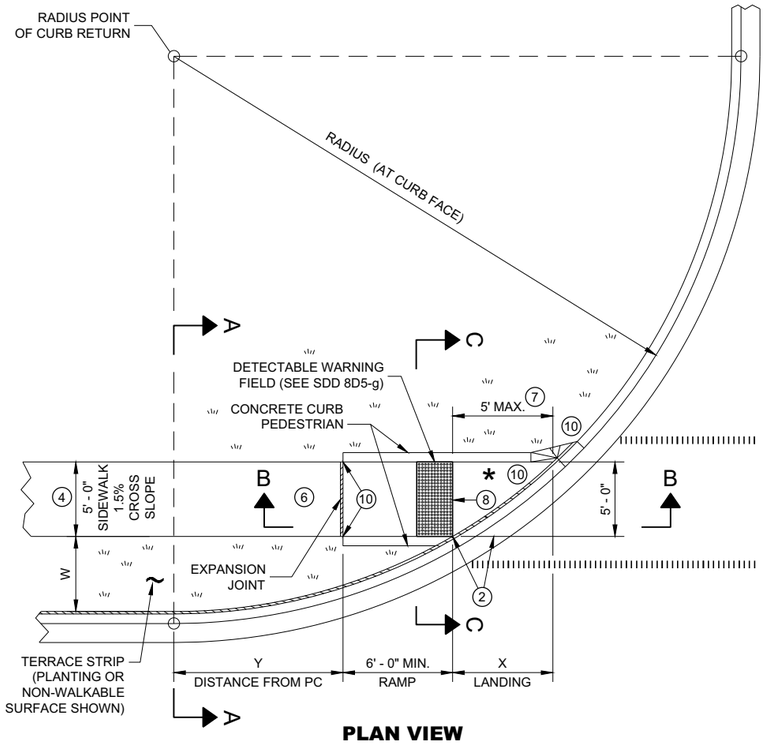
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

LEGEND

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

GENERAL NOTES

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

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

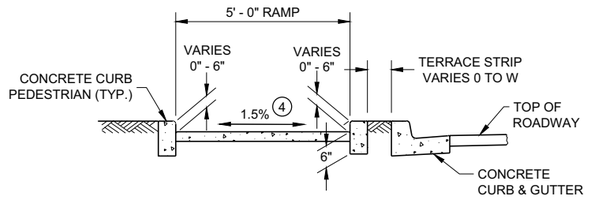
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

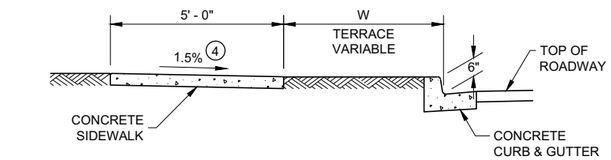
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

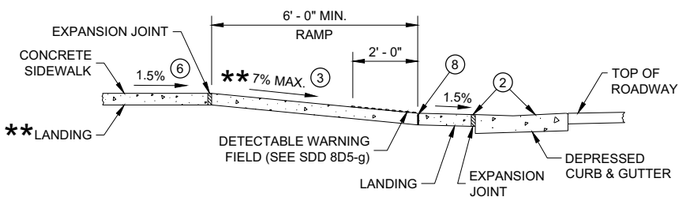
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



SECTION C - C FOR TYPE 4B



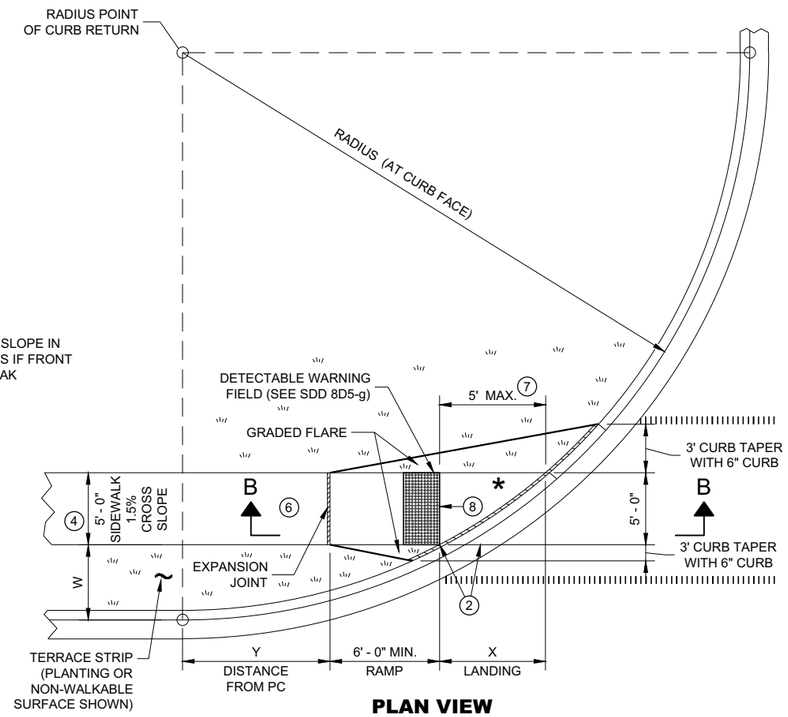
SECTION A - A FOR TYPE 4B



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

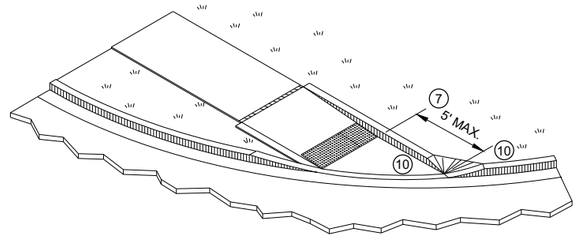
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

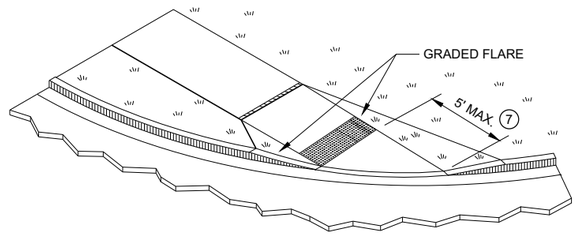


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



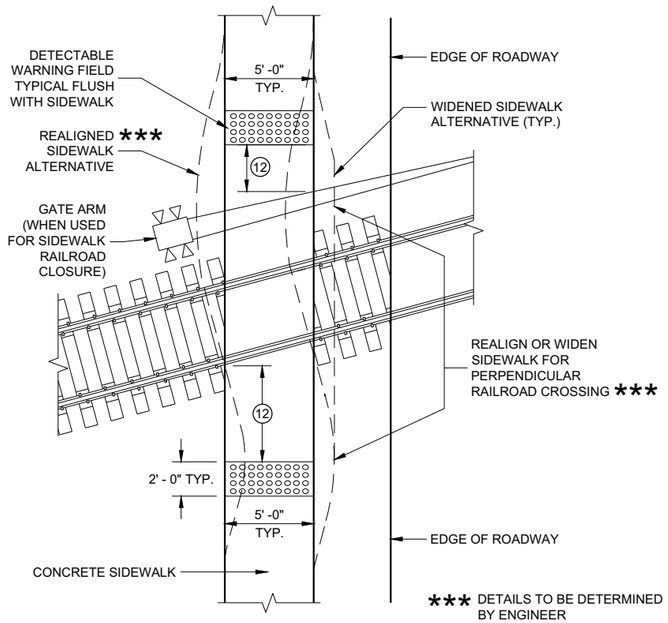
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

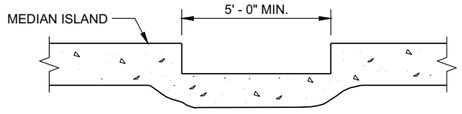
6

SDD 08D05 - 20d

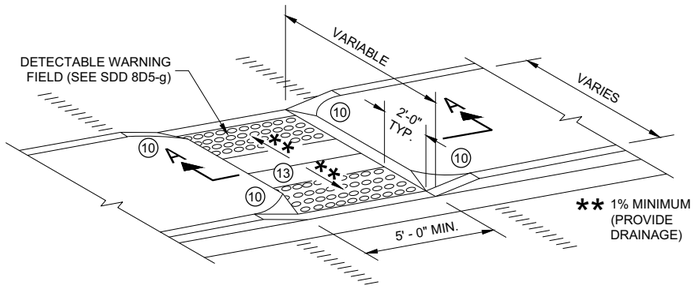


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

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

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

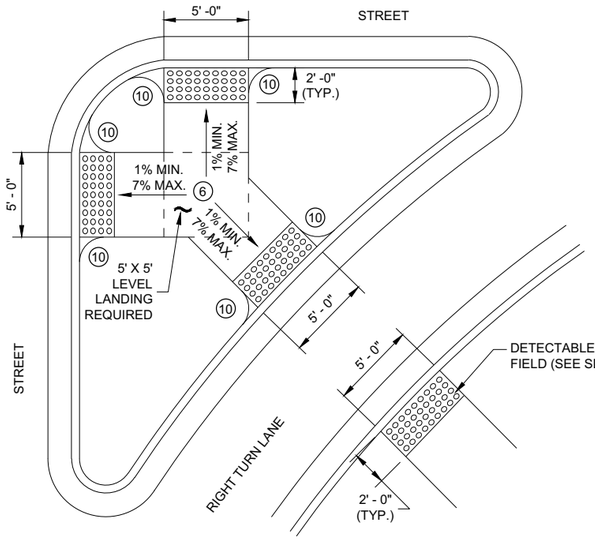
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

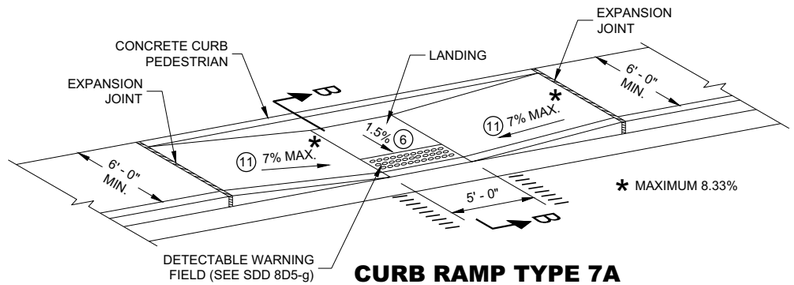
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

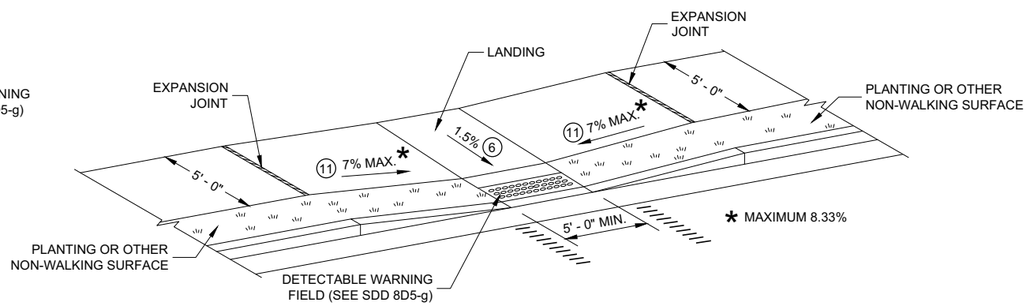
DETECTABLE WARNING AT ISLANDS

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



CURB RAMP TYPE 7A

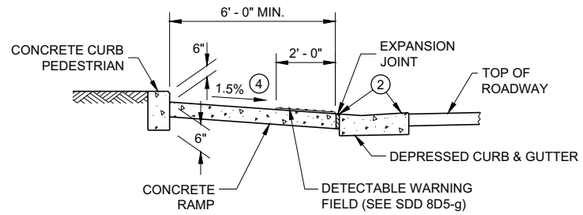
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

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



SECTION B - B FOR TYPE 7A

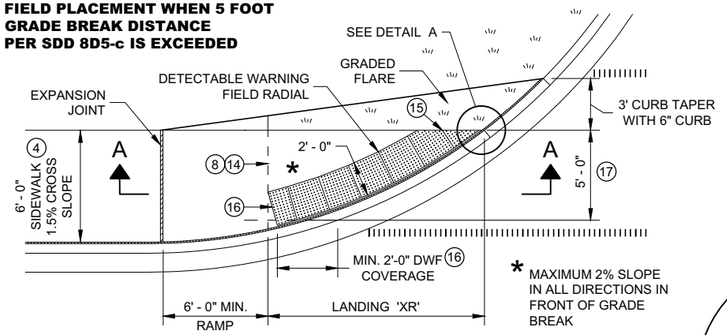
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20e

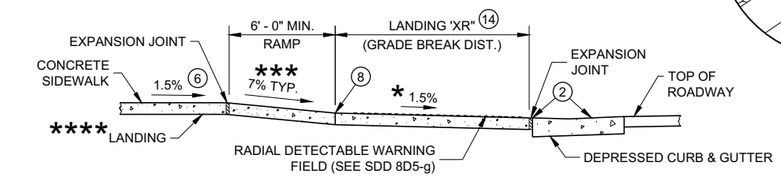
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

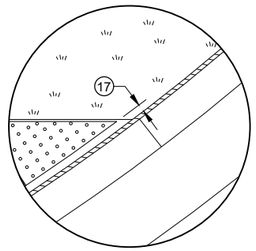
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



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

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

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

GENERAL NOTES

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

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

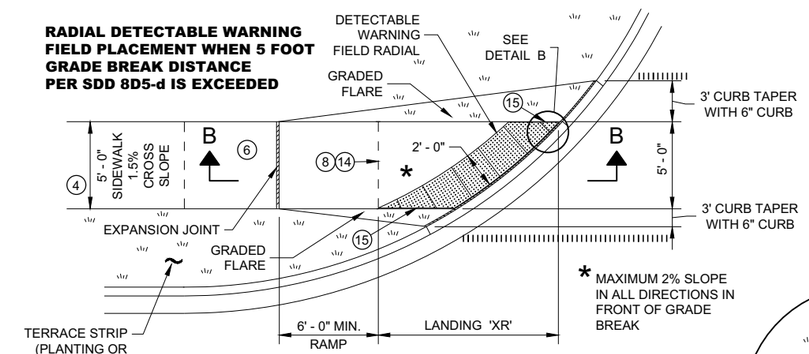
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

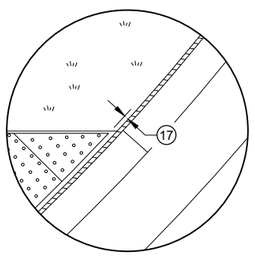
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



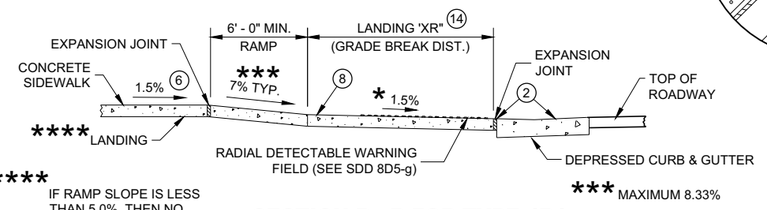
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

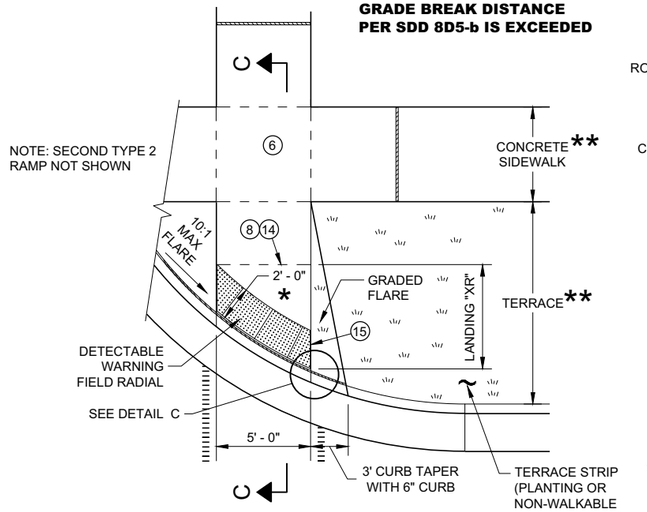


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

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

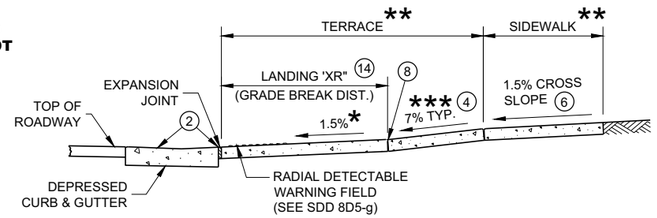


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

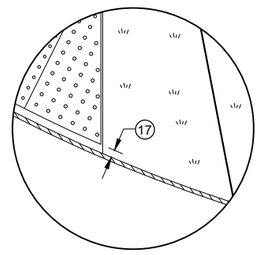


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

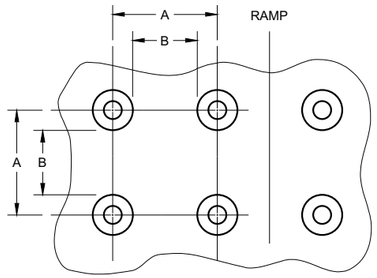
CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

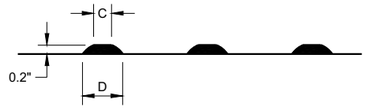
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

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

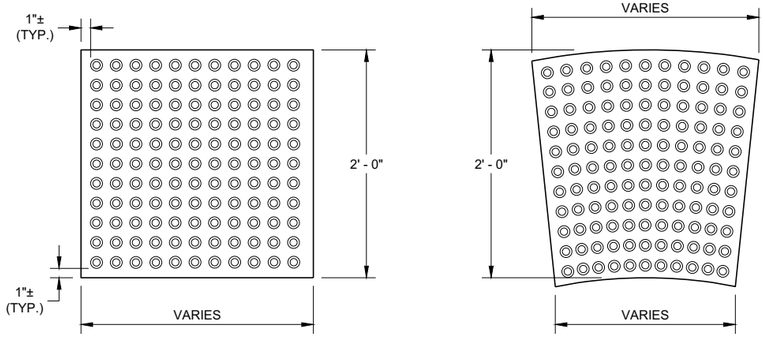


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

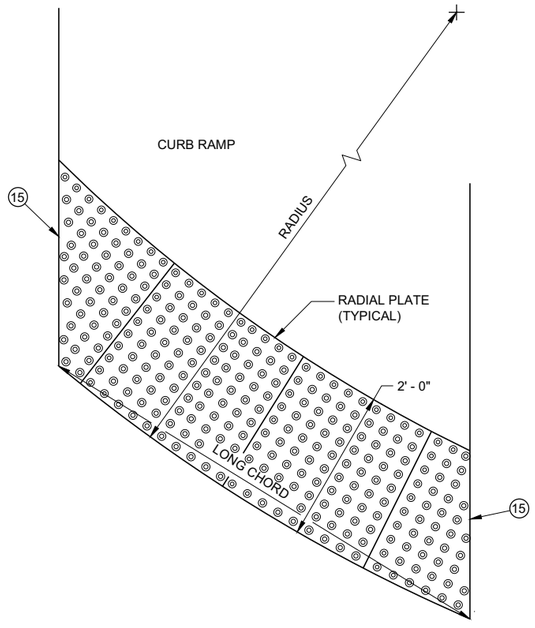
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

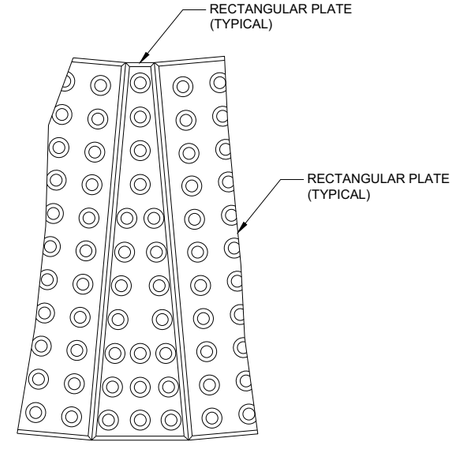
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

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SDD 08D05 - 20g

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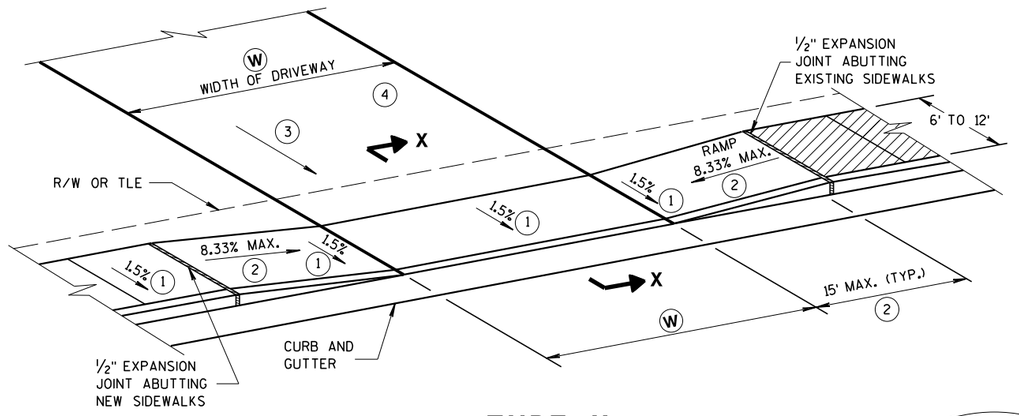
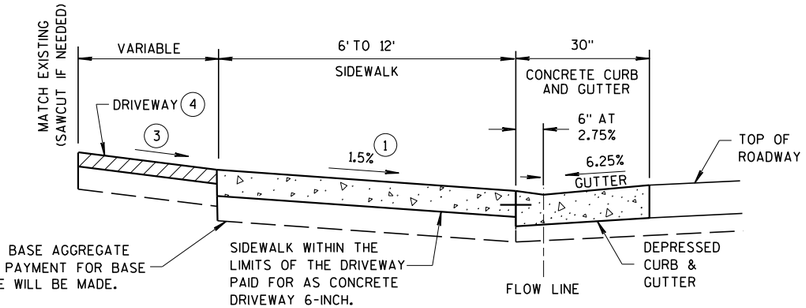
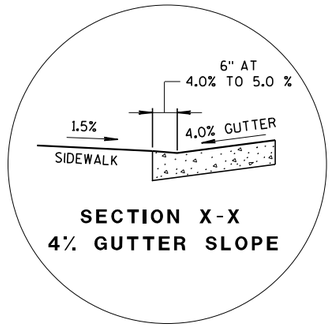
SDD 08D05 - 20g



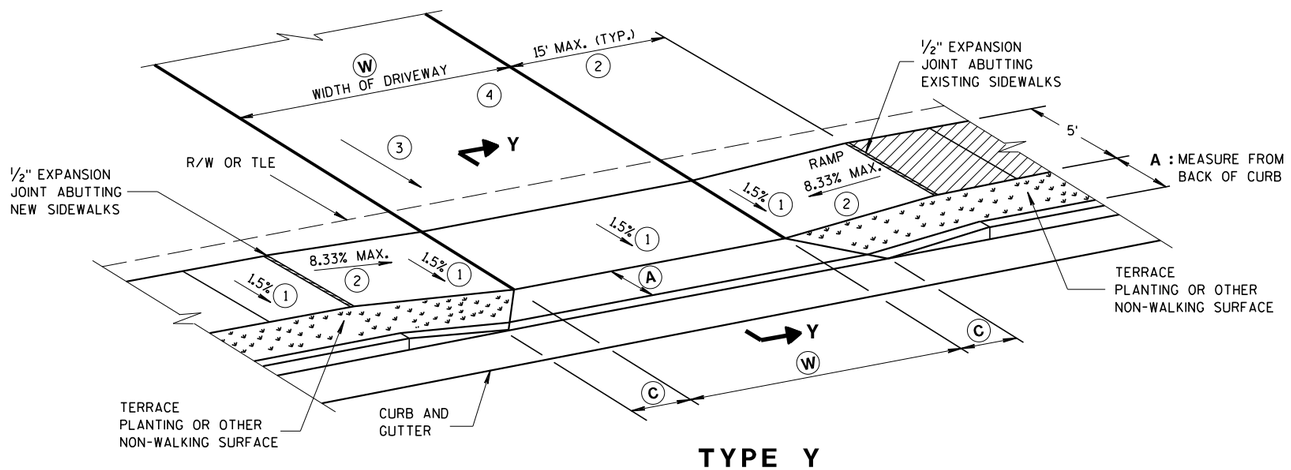
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X



SECTION X-X
4% GUTTER SLOPE



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

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

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

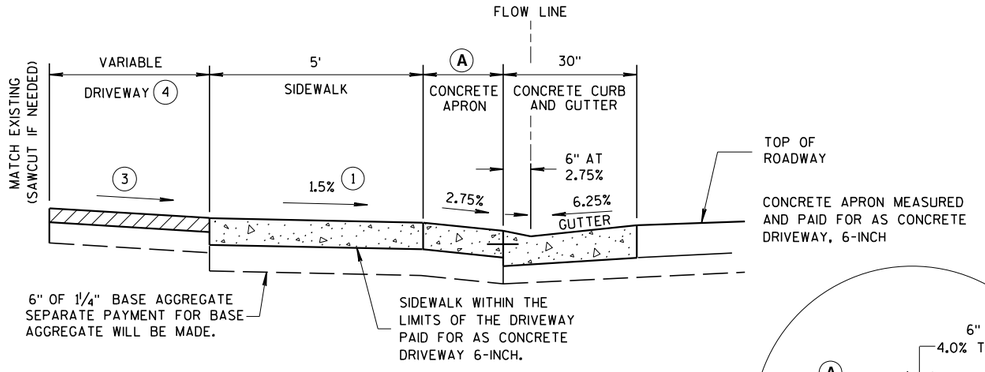
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

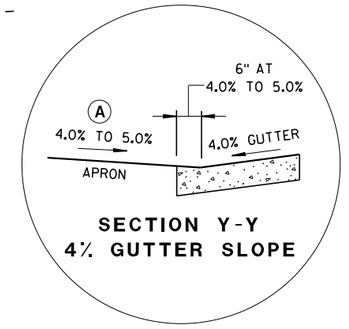
(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)



SECTION Y-Y
4% GUTTER SLOPE

TABLE Y

(A) FEET	(C) FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS
TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

S.D.D. 8 D 18-2

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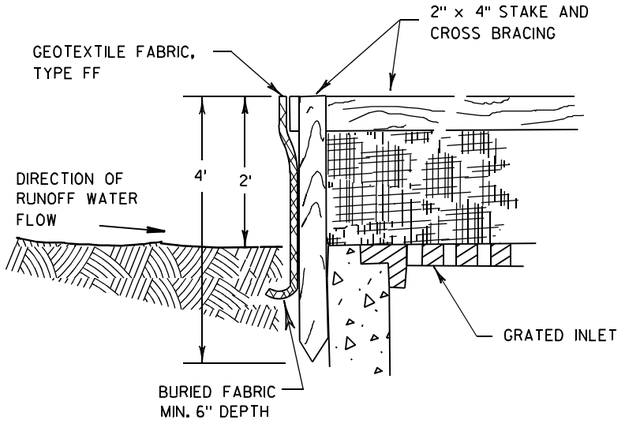
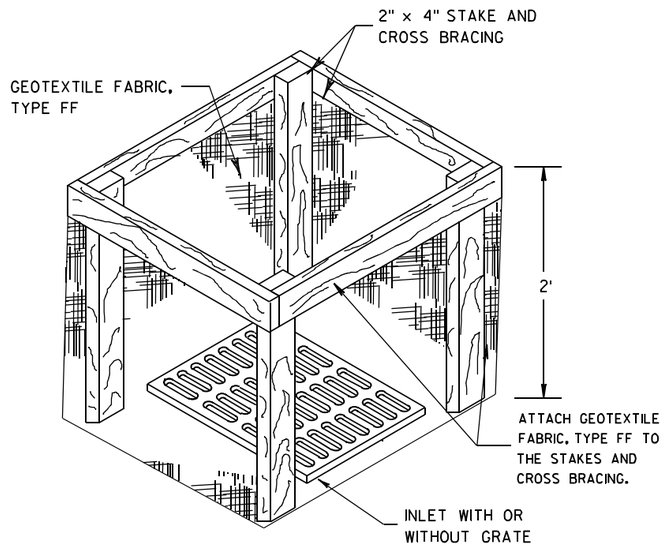
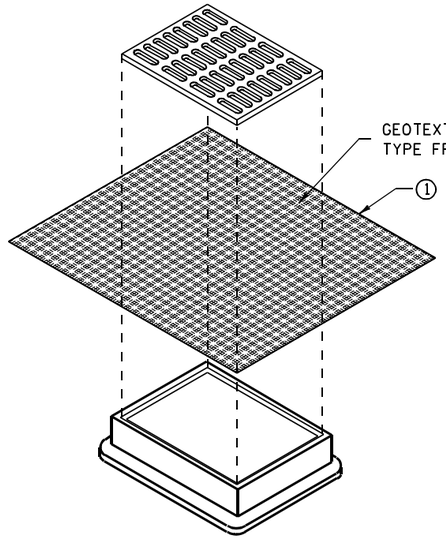


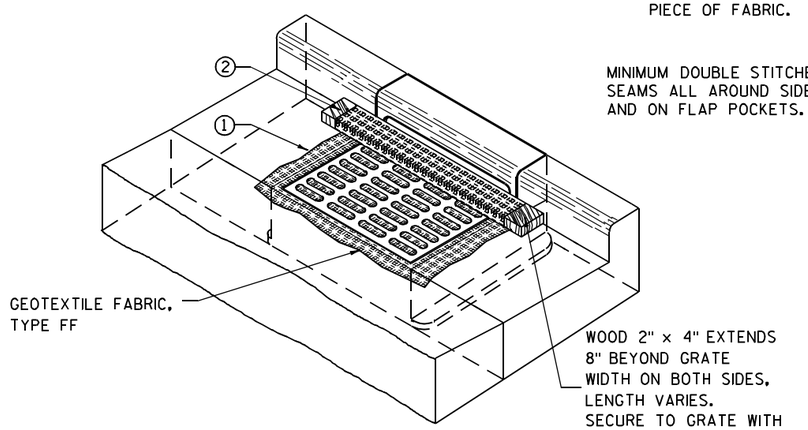


INLET PROTECTION, TYPE A

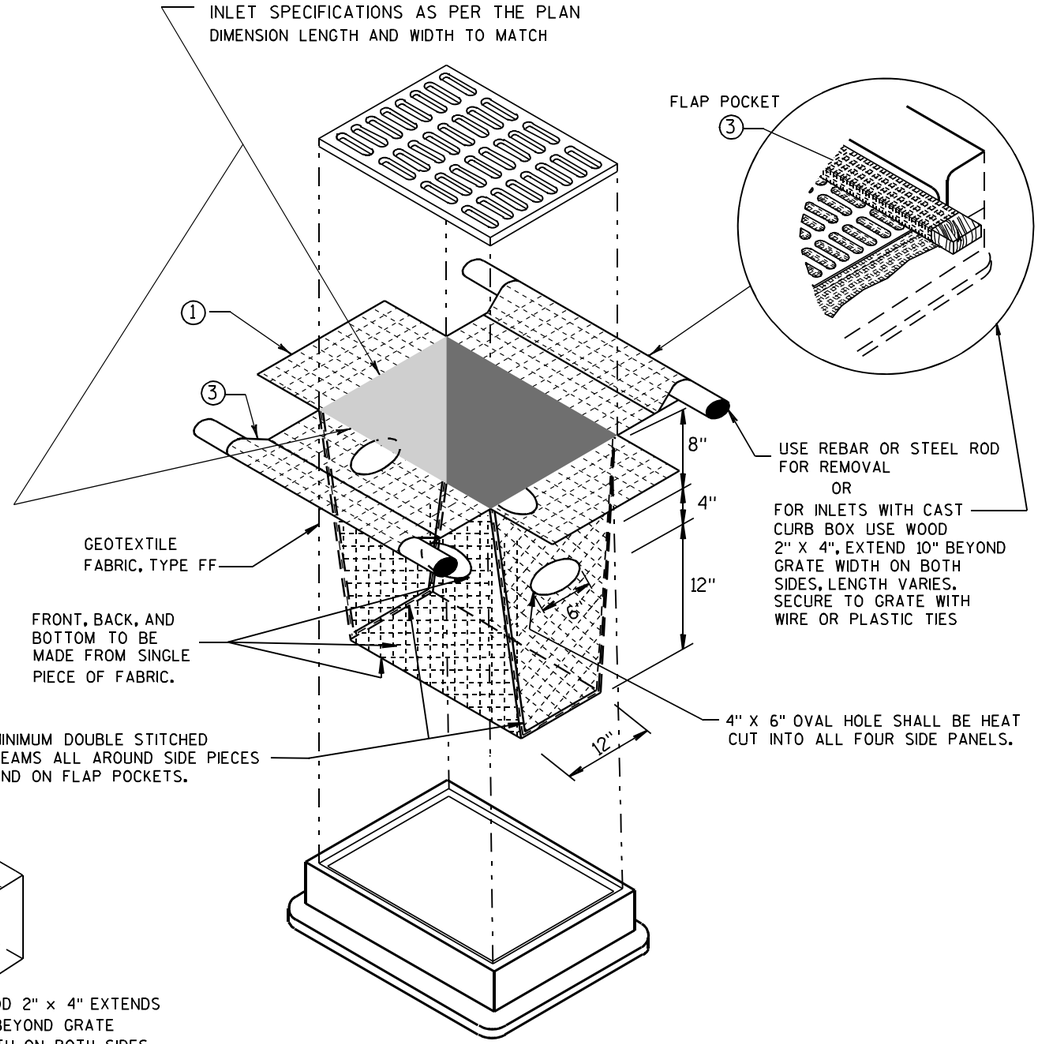


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

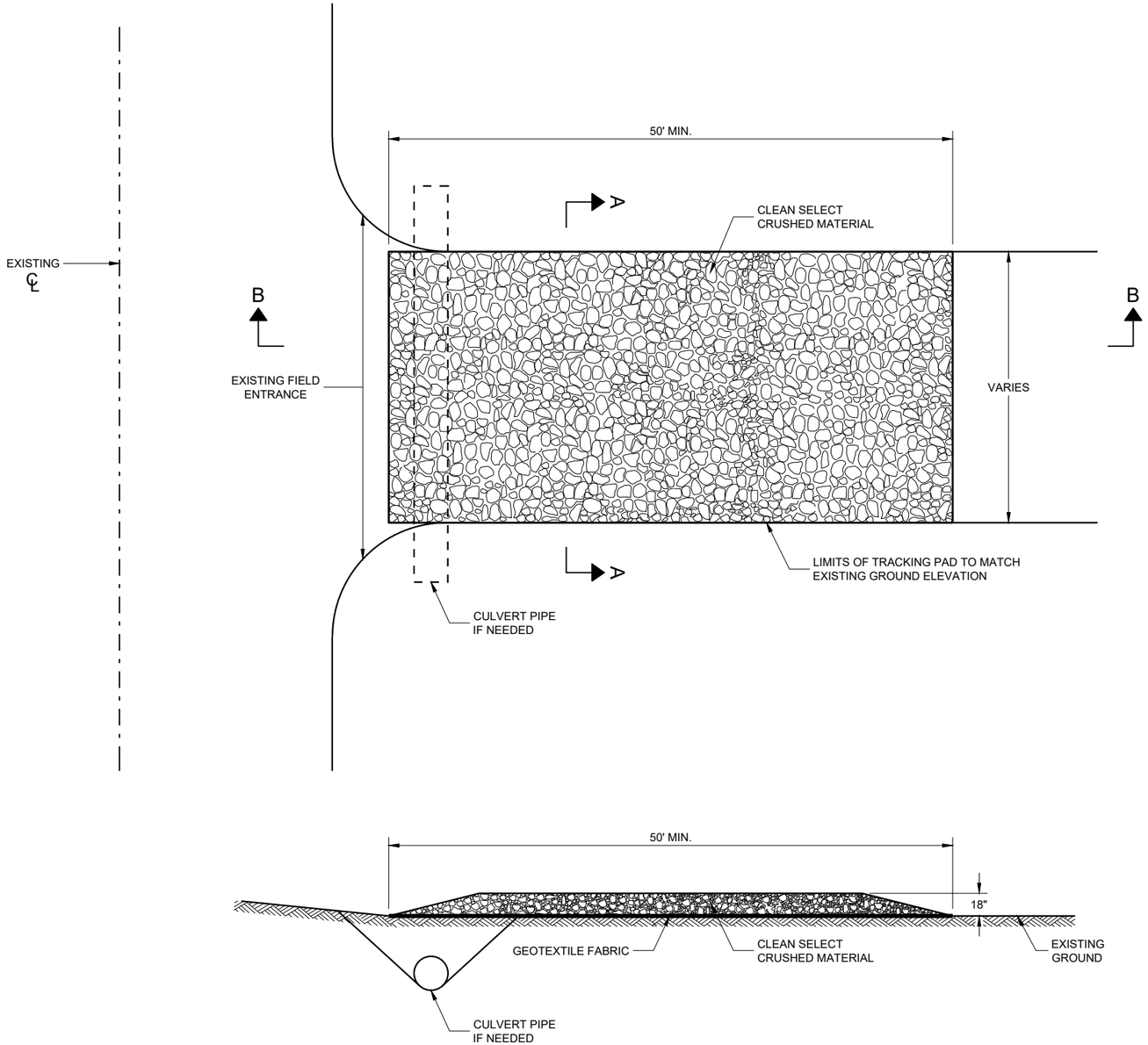
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

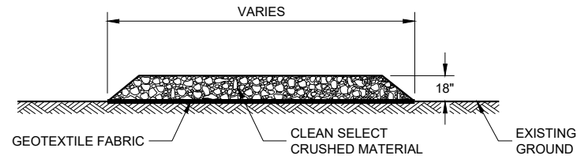
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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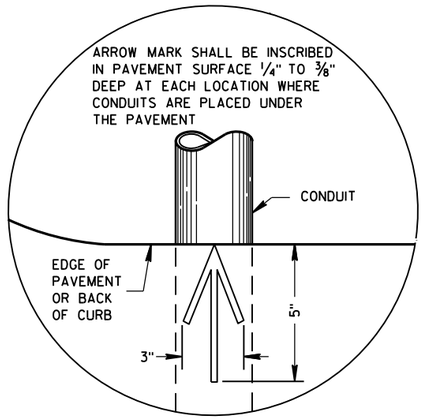
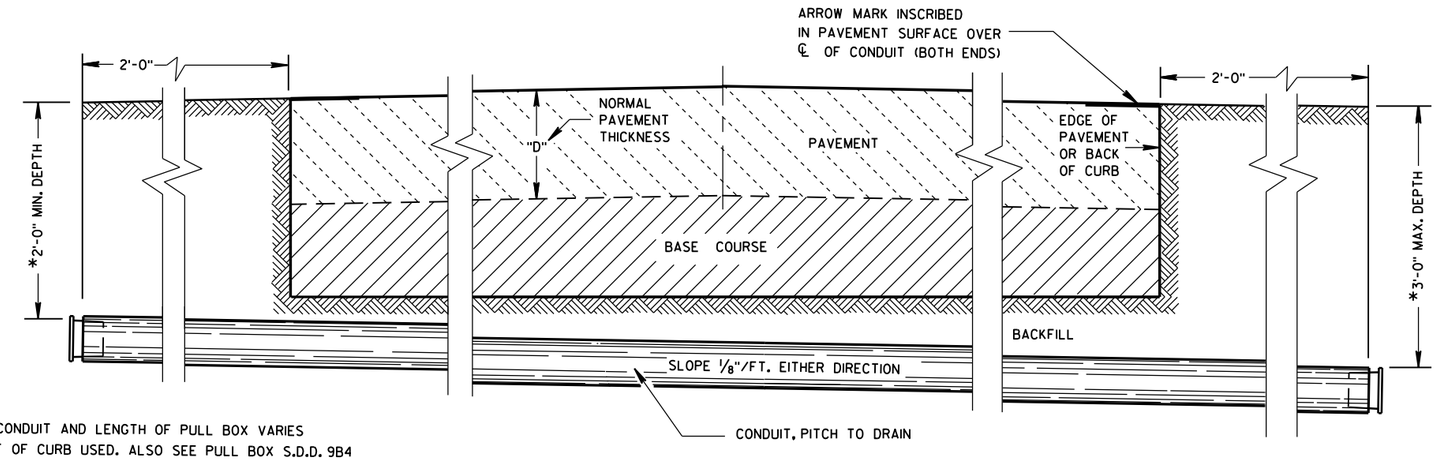
SDD 08E14 - 01



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

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

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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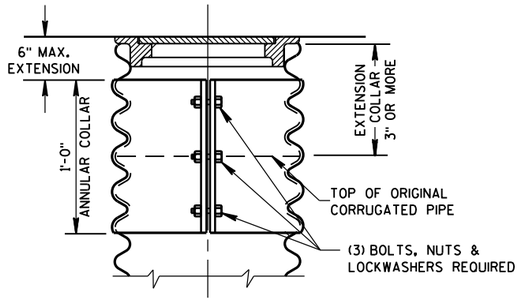
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

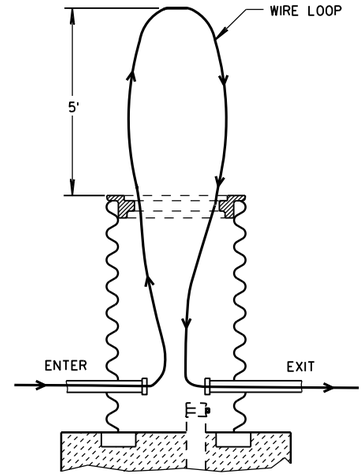
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

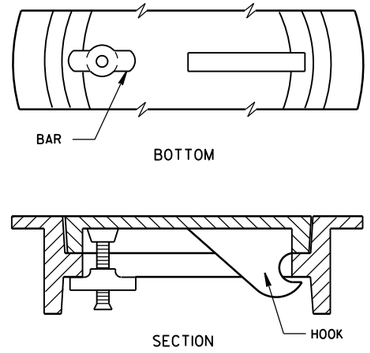
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

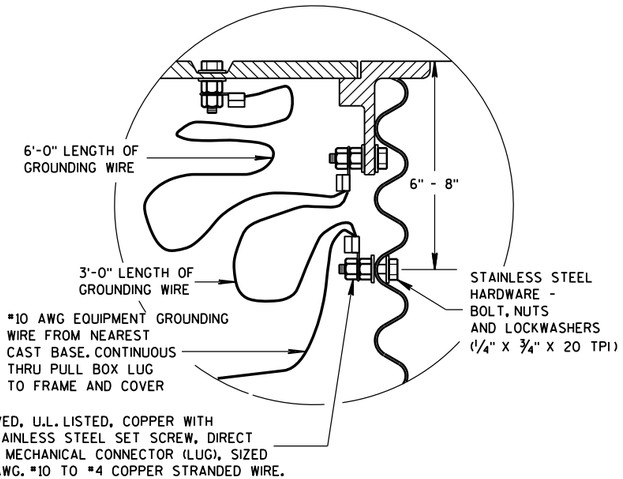


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

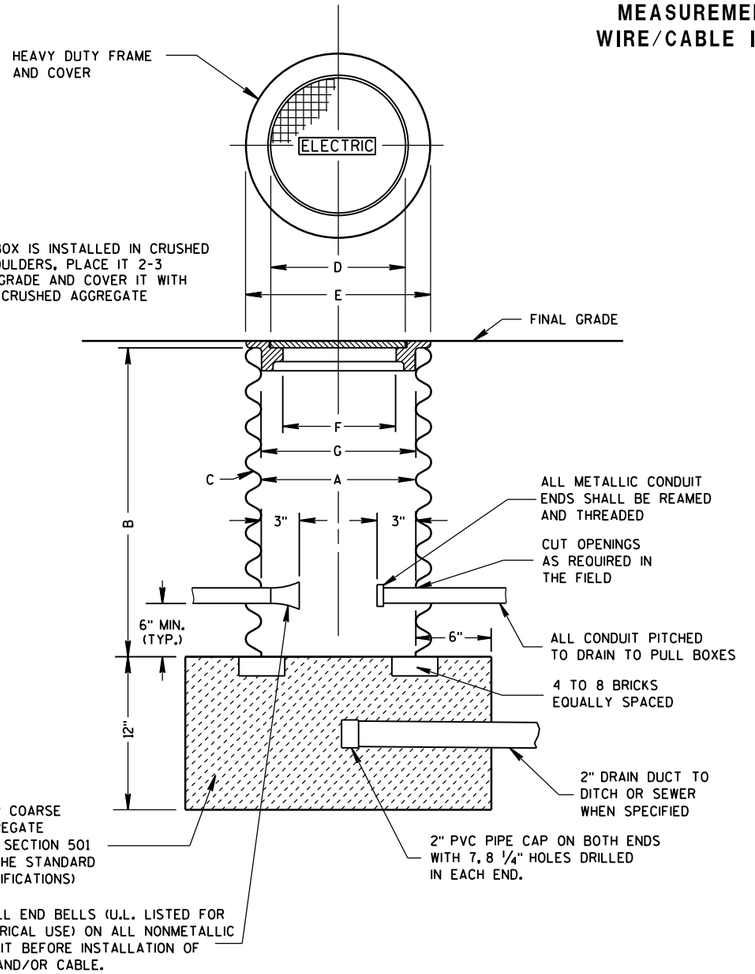


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

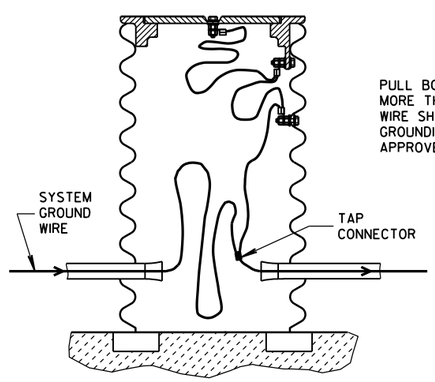
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

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

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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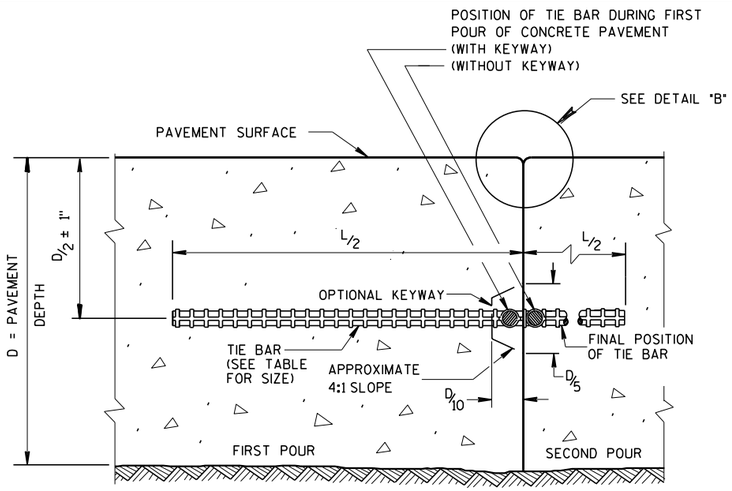
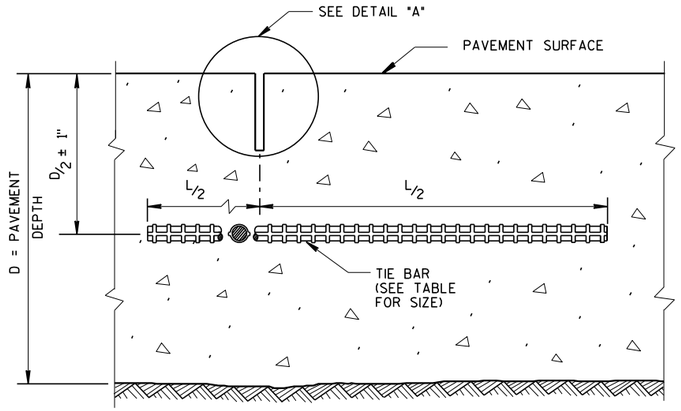
S.D.D. 9 B 4-11



CONSTRUCTION JOINT



SAWED JOINT

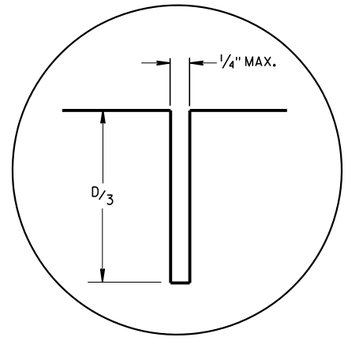
GENERAL NOTES

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

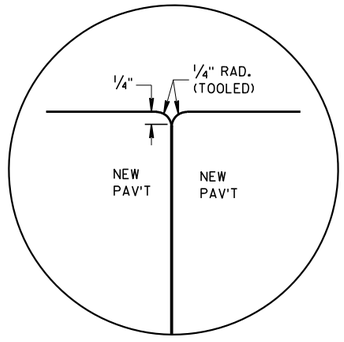
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

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

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



DETAIL "A"



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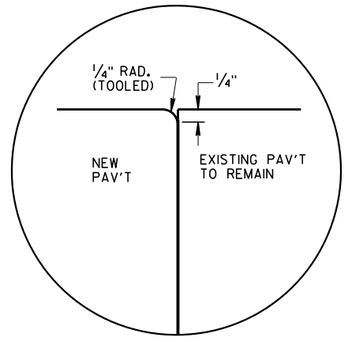

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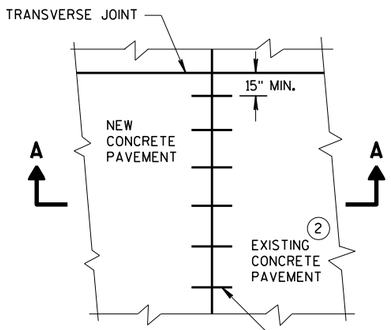
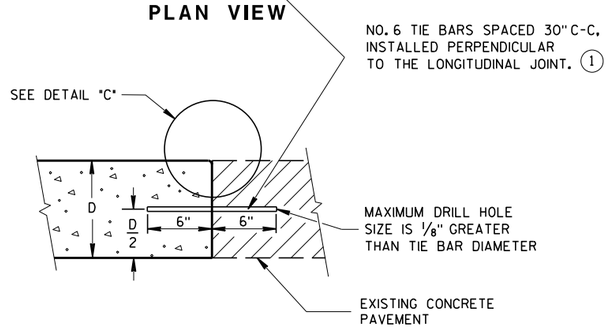


PLAN VIEW



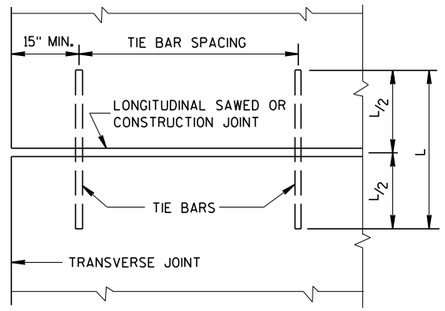
SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

TIE BAR TABLE

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

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

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



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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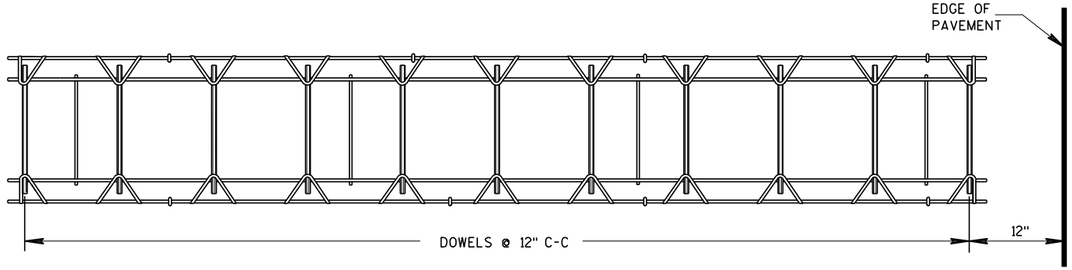
S.D.D. 13 C 1-19



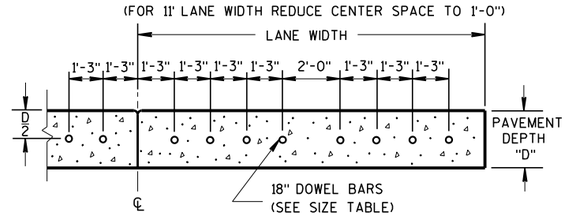
PLAN VIEW

SIDE VIEW

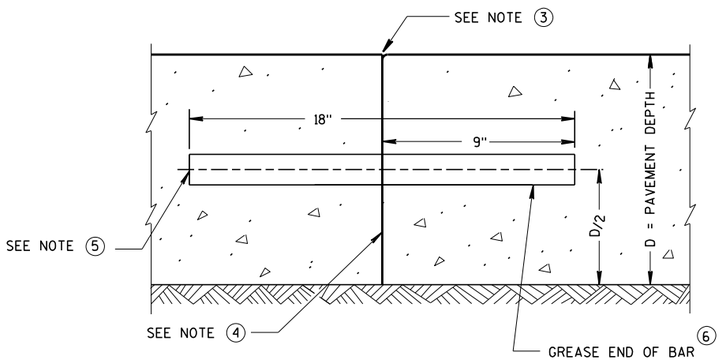
CONTRACTION JOINT DOWEL ASSEMBLY ①

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

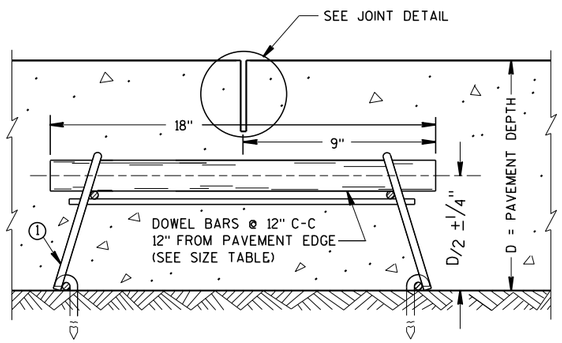
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



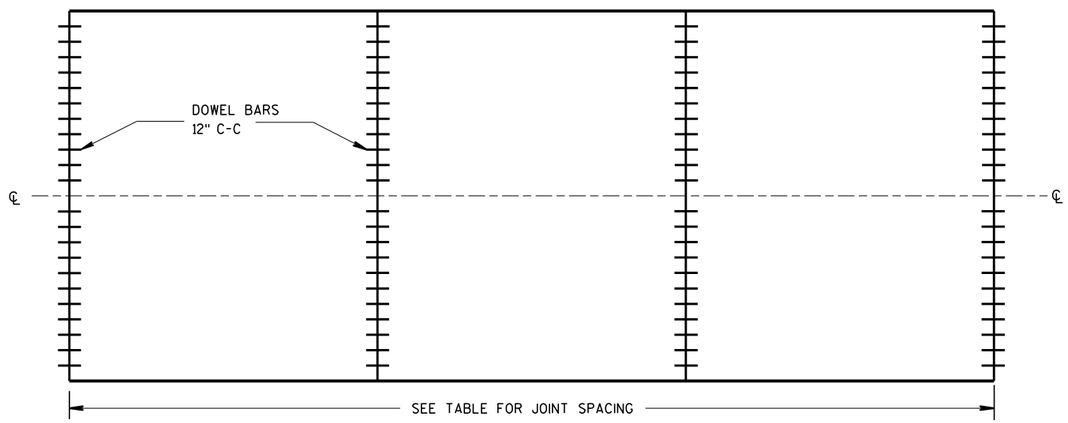
DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



TRANSVERSE CONSTRUCTION JOINT



DOWELED CONTRACTION JOINT



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

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

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

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

CONSTRUCTION JOINTS

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

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

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

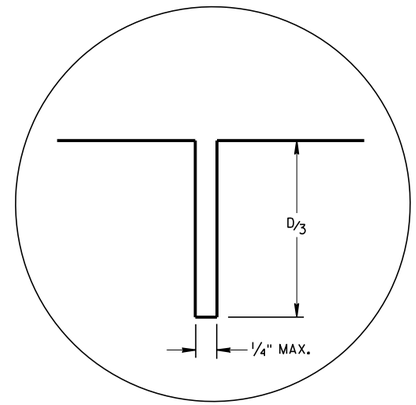
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

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

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

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

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



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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S.D.D. 13 C 13-9

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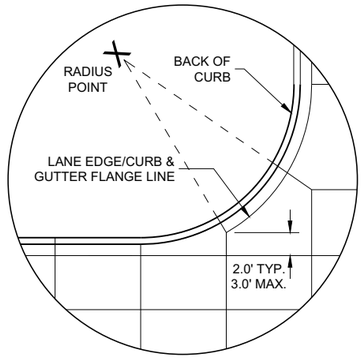
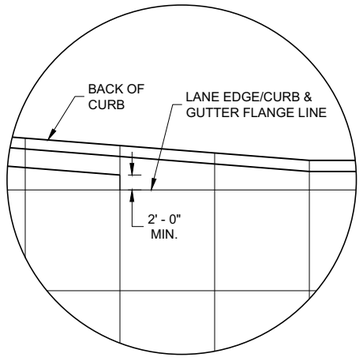


DETAIL "A"



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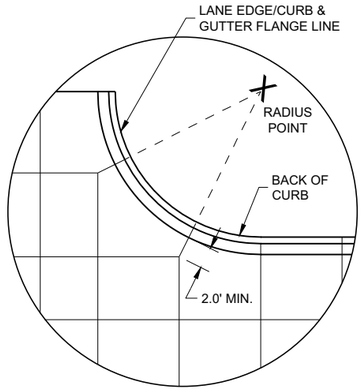

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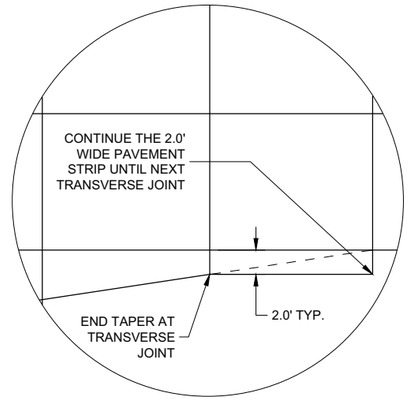


DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

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

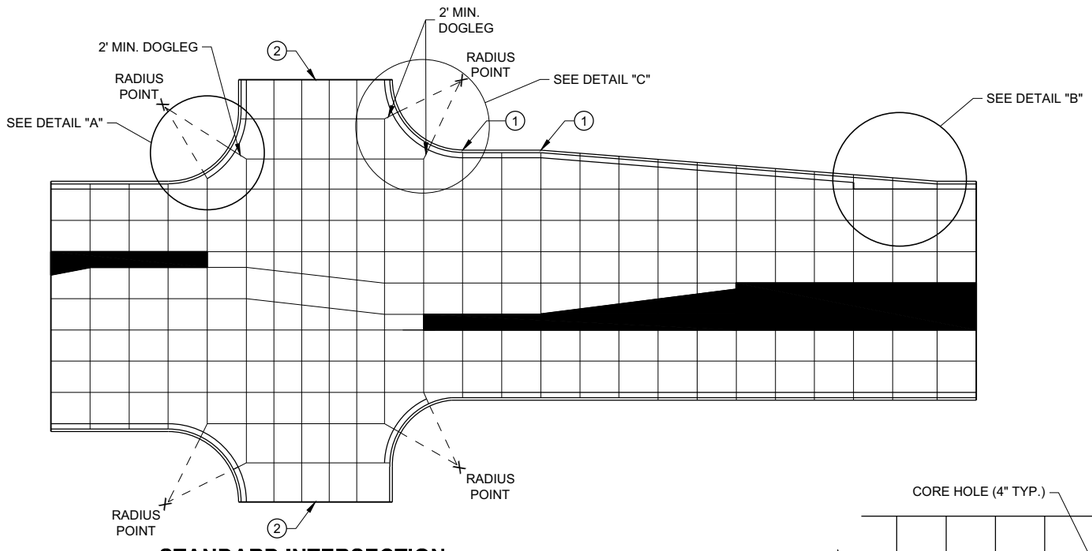
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

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

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

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.

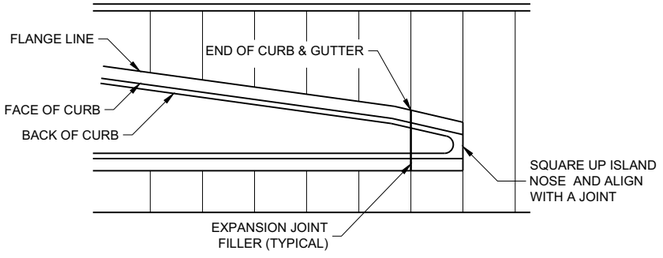


STANDARD INTERSECTION

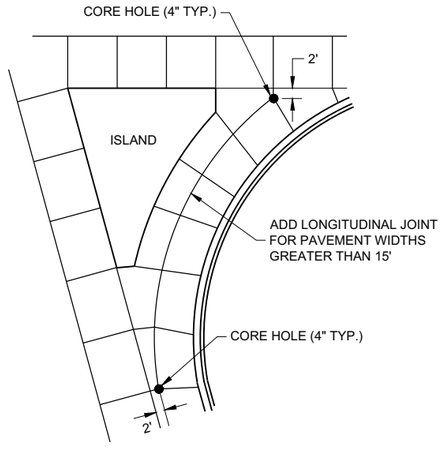
PAVEMENT DEPTH AND JOINT SPACING TABLE

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

SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

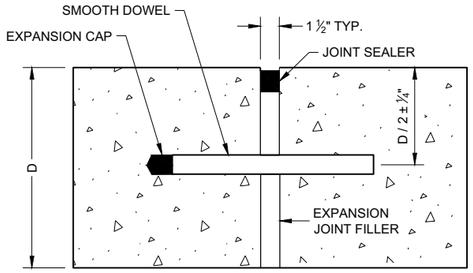
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

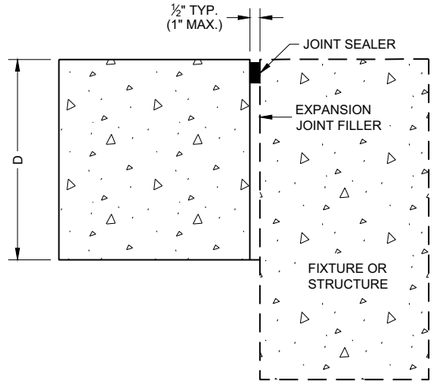
SDD 13C18 - 07a

6

SDD 13C18 - 07a



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

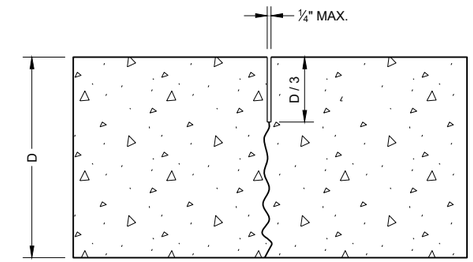
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

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

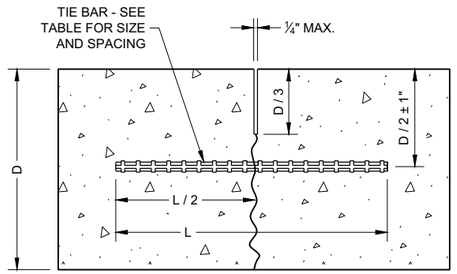
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

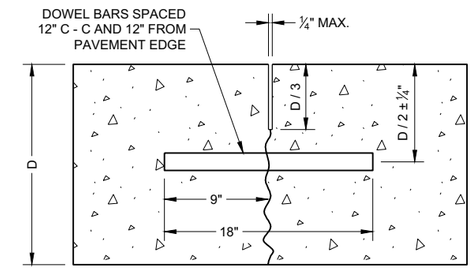
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM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



UNDOWELED TRANSVERSE

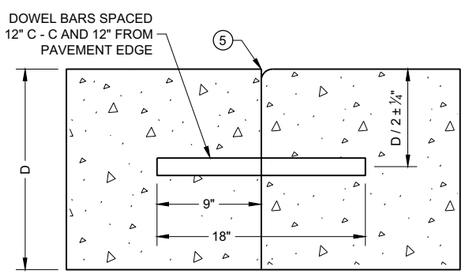


TIED LONGITUDINAL

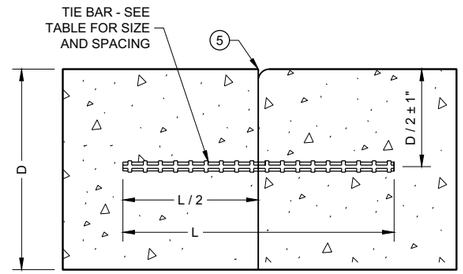


DOWELED TRANSVERSE

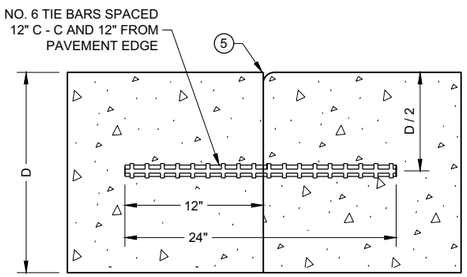
CONTRACTION JOINTS (2)



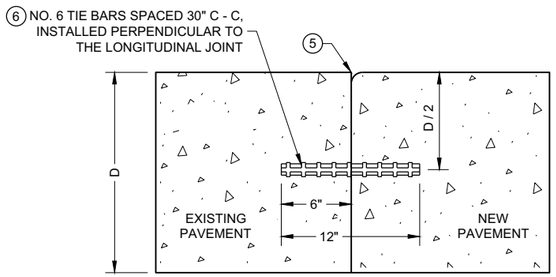
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



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



TIED LONGITUDINAL TO EXISTING

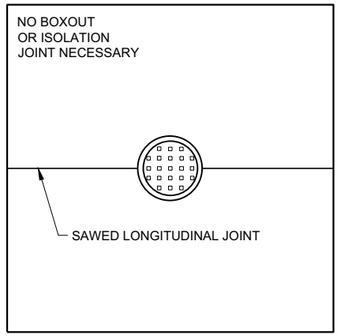
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

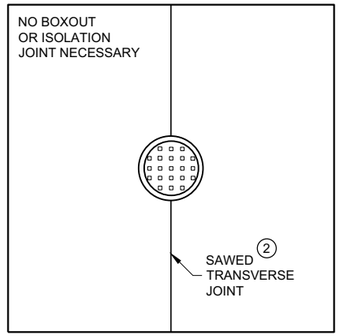
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

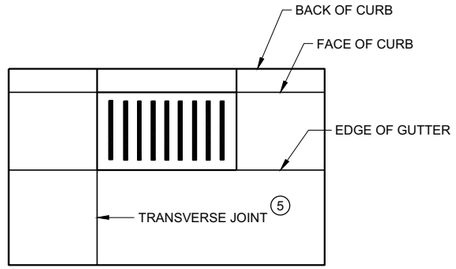
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



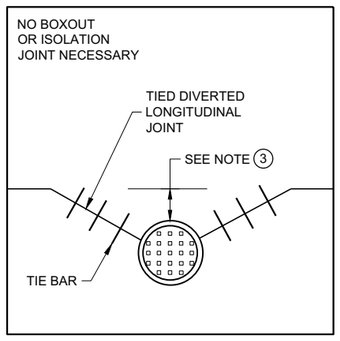
MANHOLE WITH TRANSVERSE JOINT



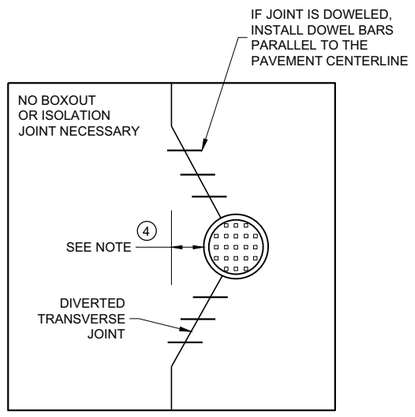
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

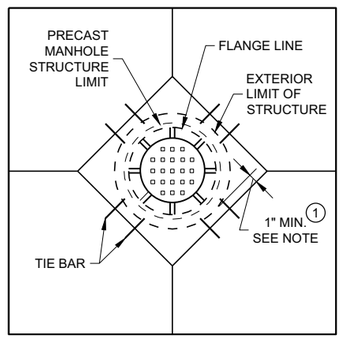
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF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



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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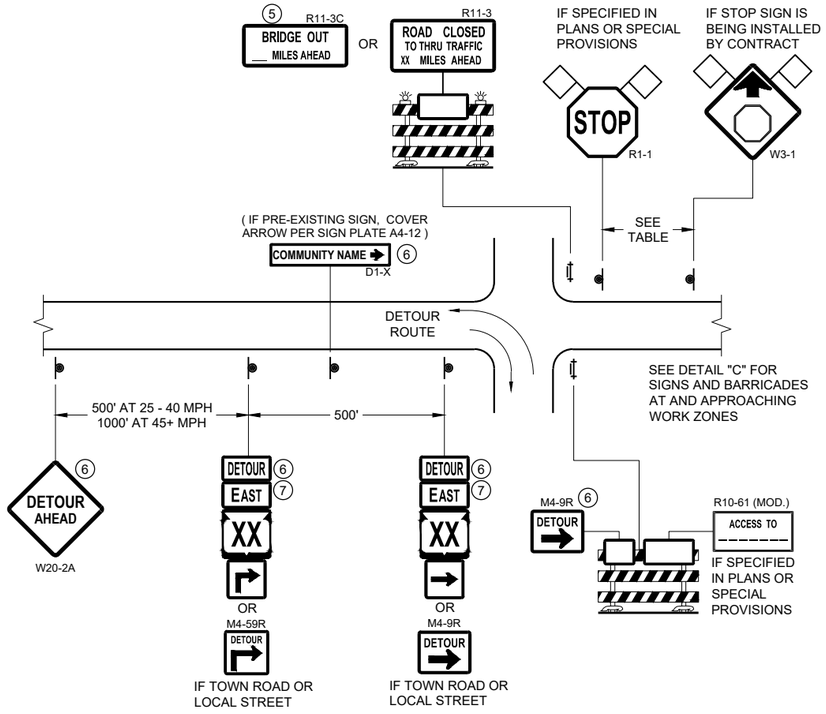
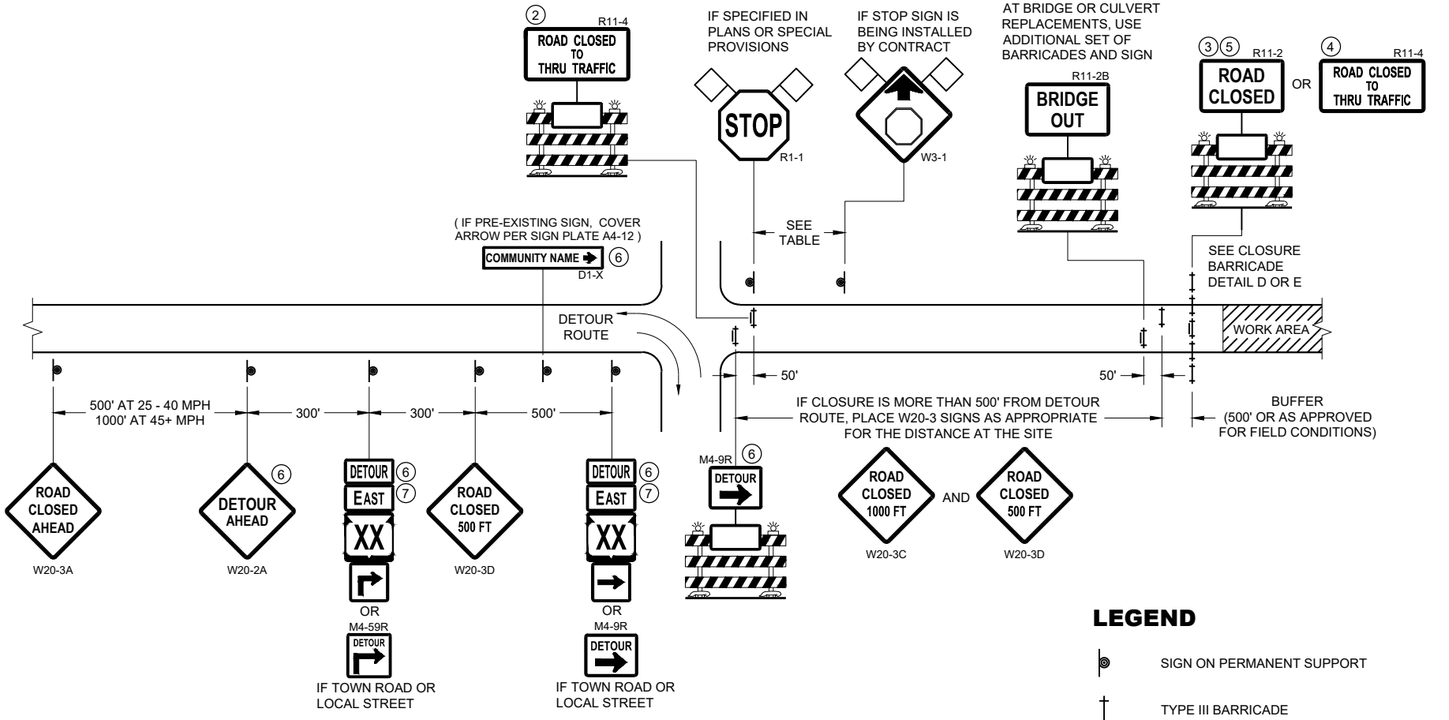
SDD 13C18 - 07d



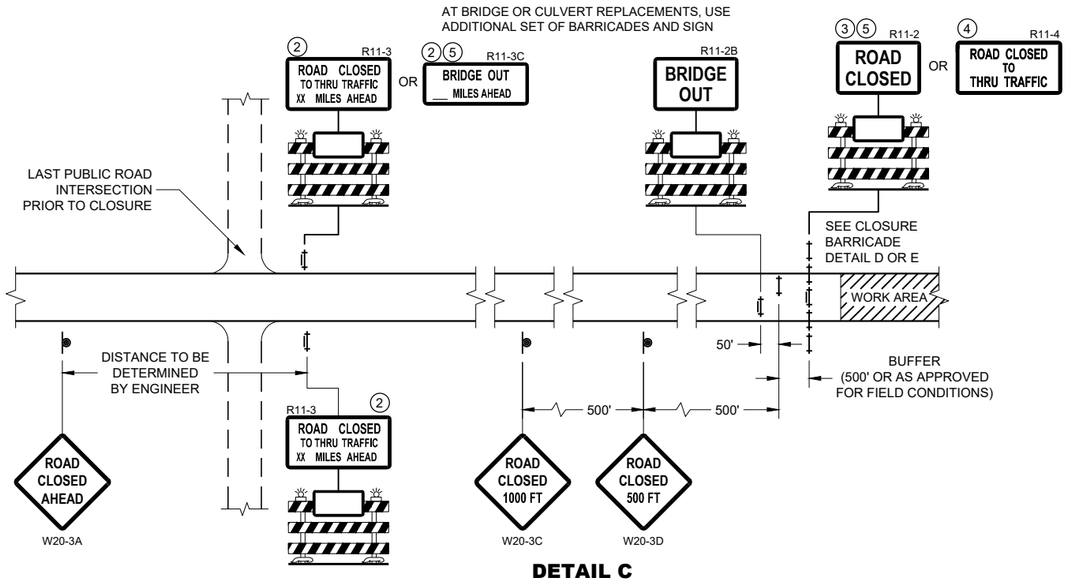
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

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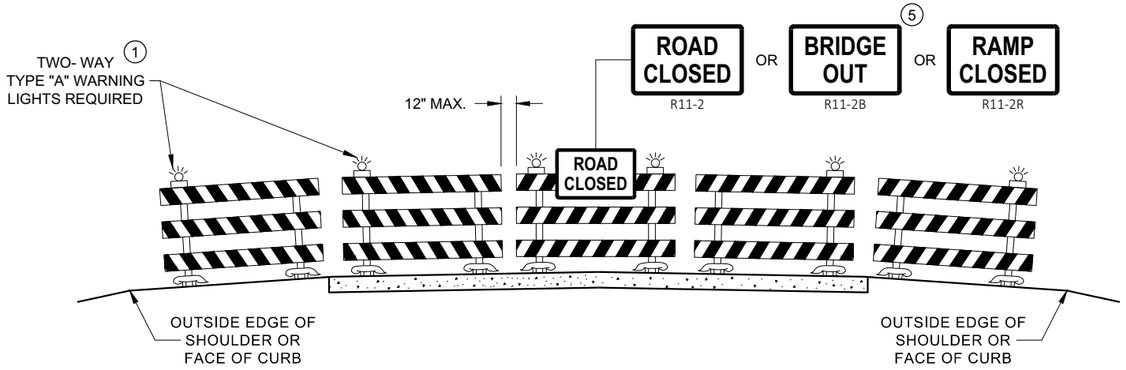
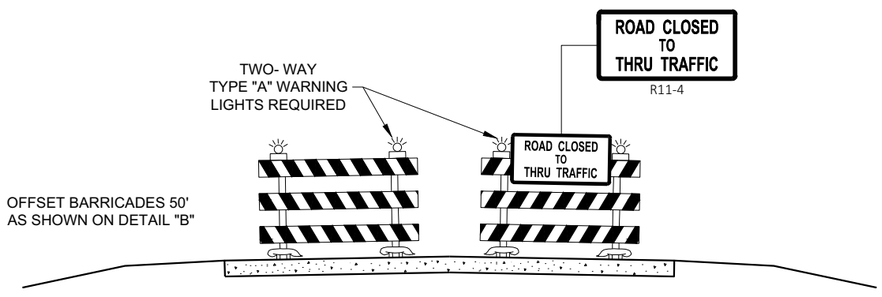
SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

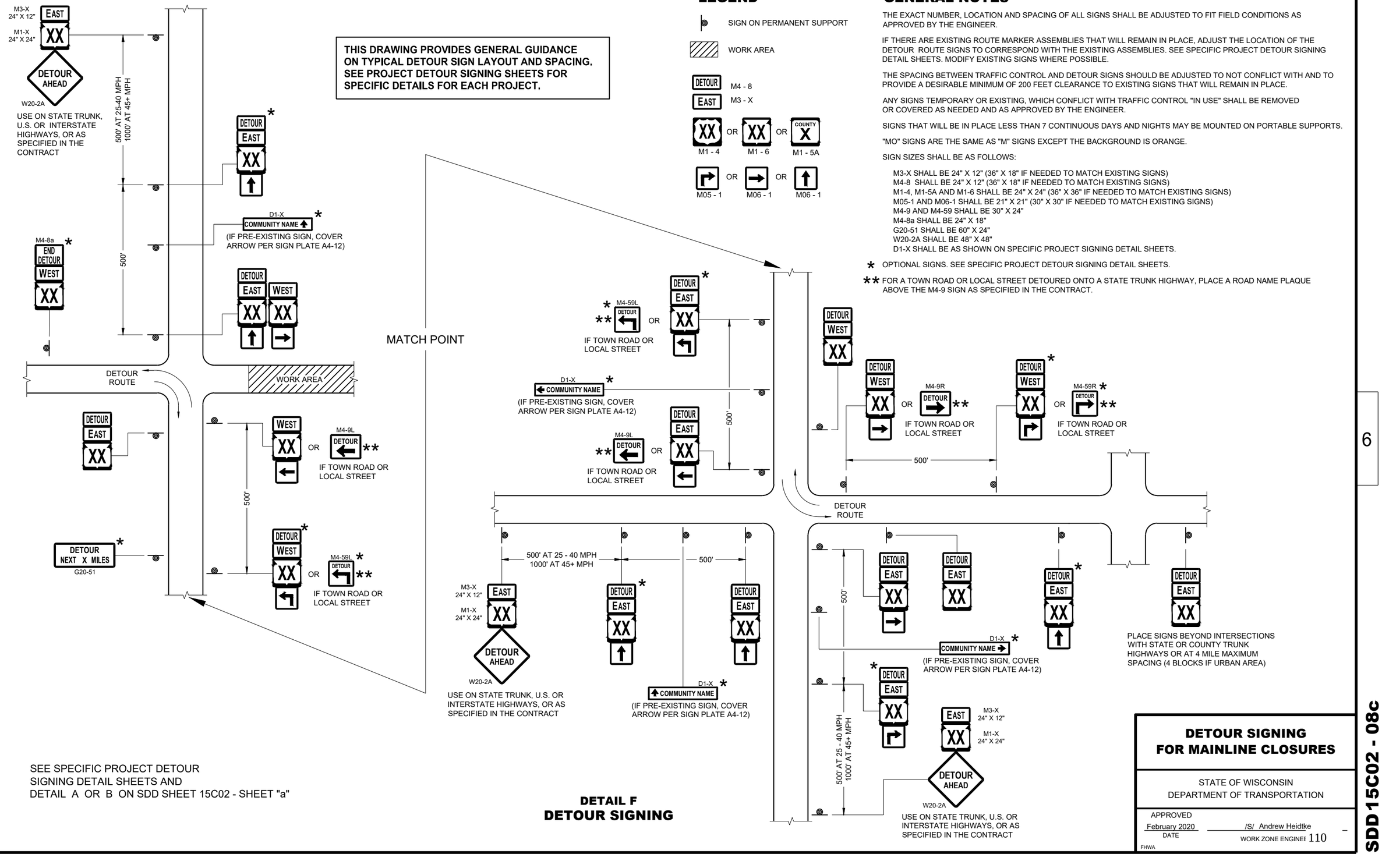
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

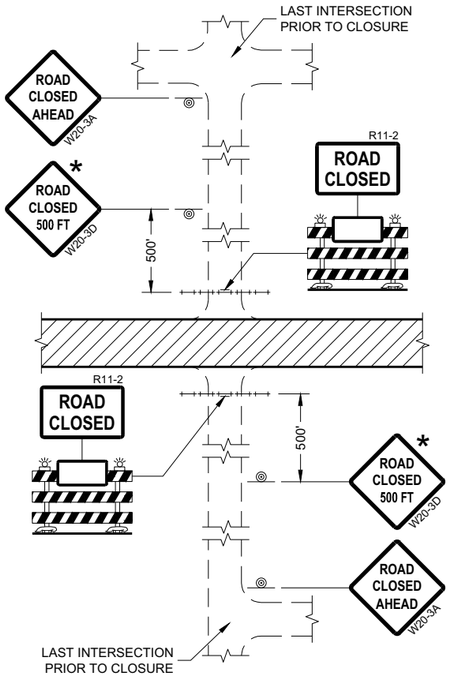
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

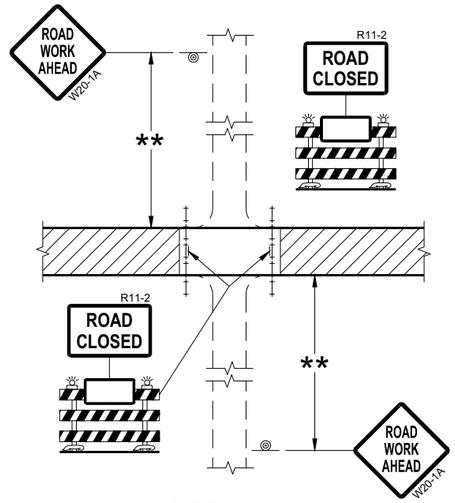
FHWA

SDD 15C02 - 08c

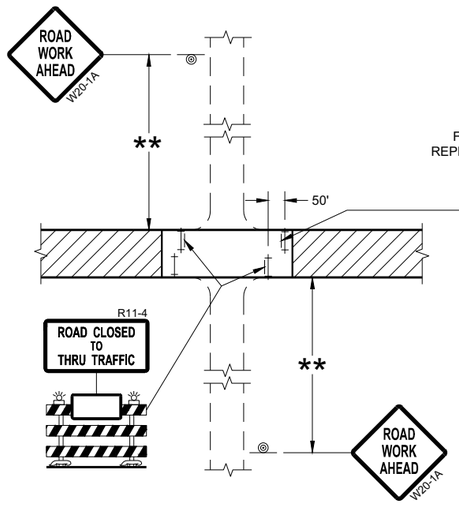
6



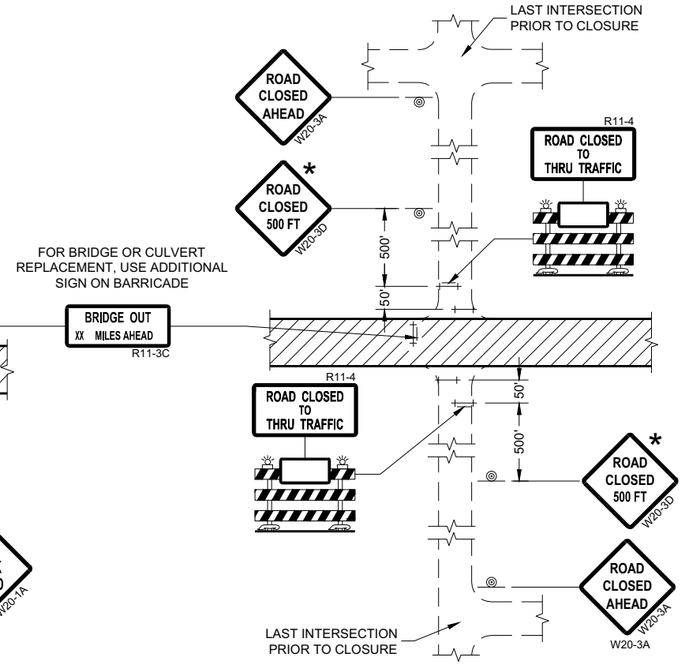
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

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

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

GENERAL NOTES

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

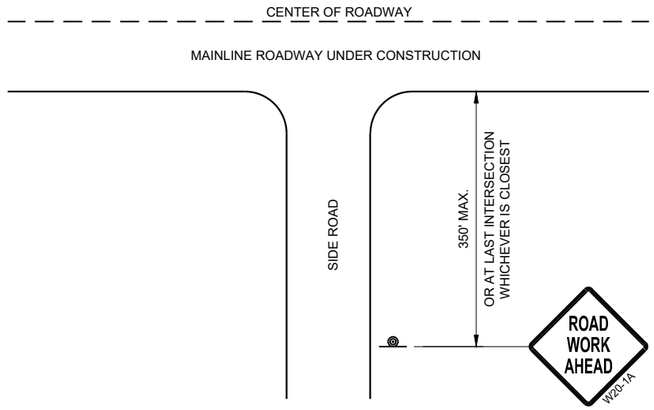
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

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



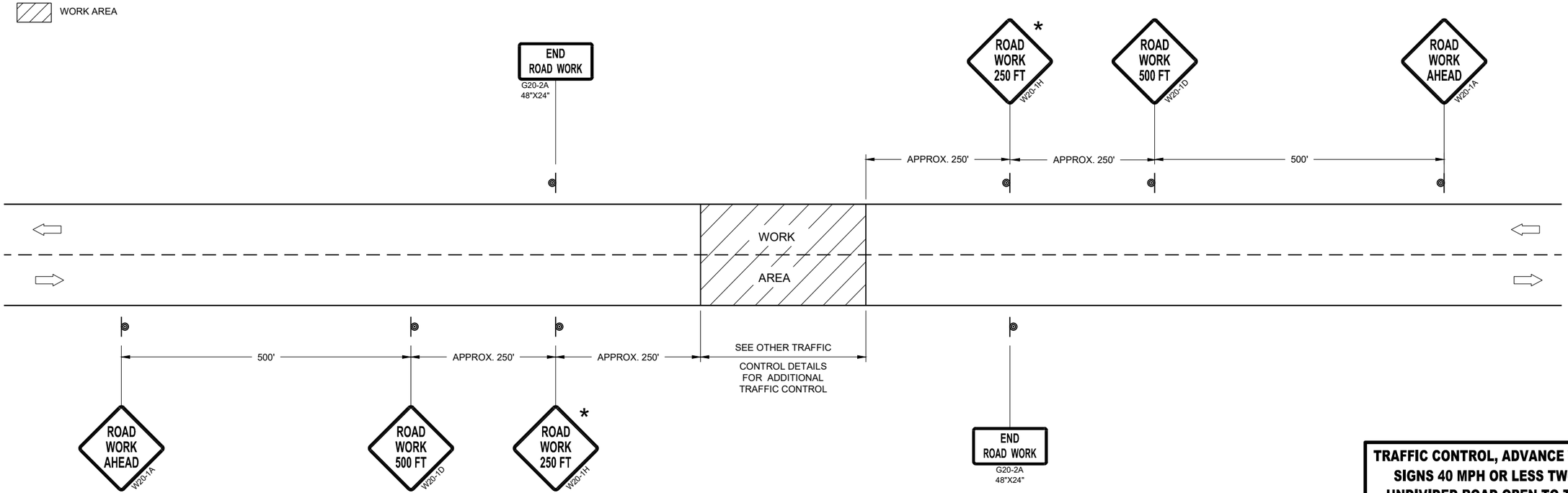
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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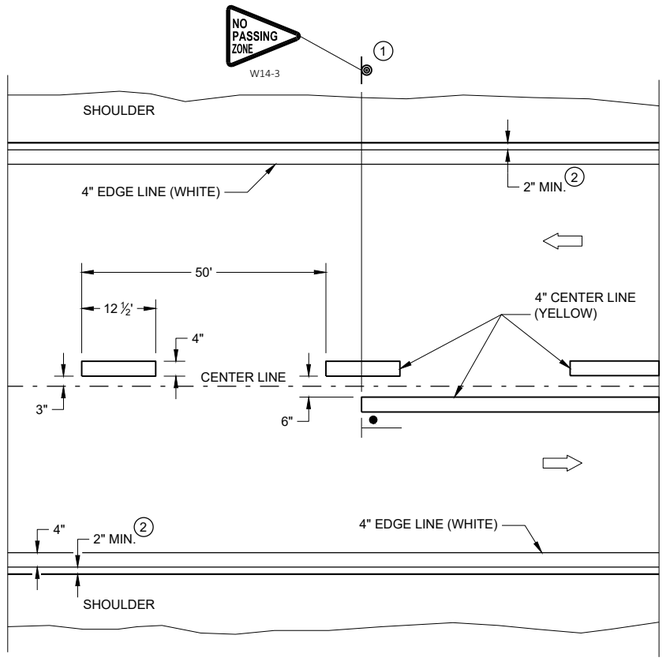
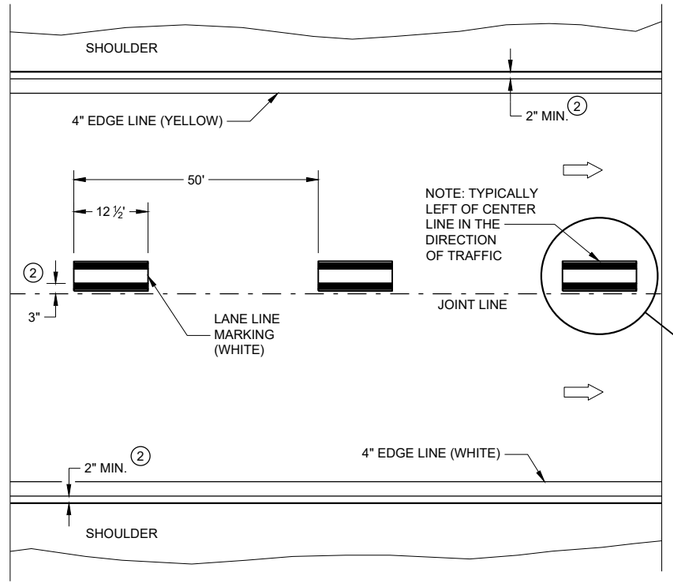
SDD 15C05 - 05

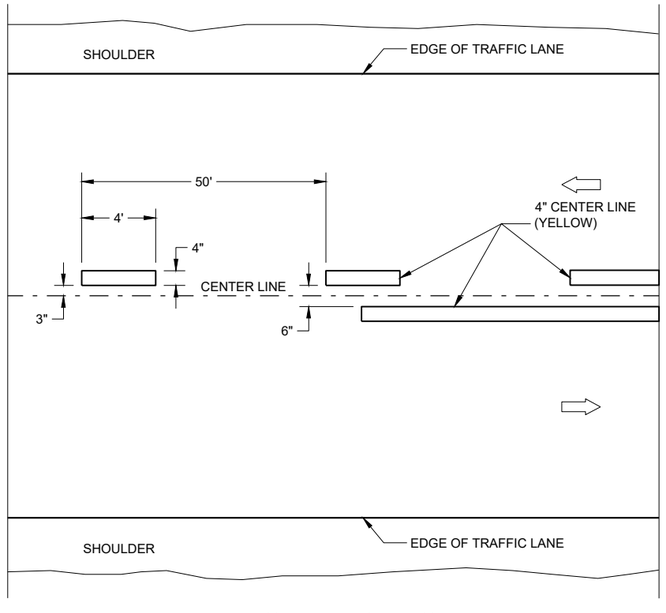


TWO WAY TRAFFIC

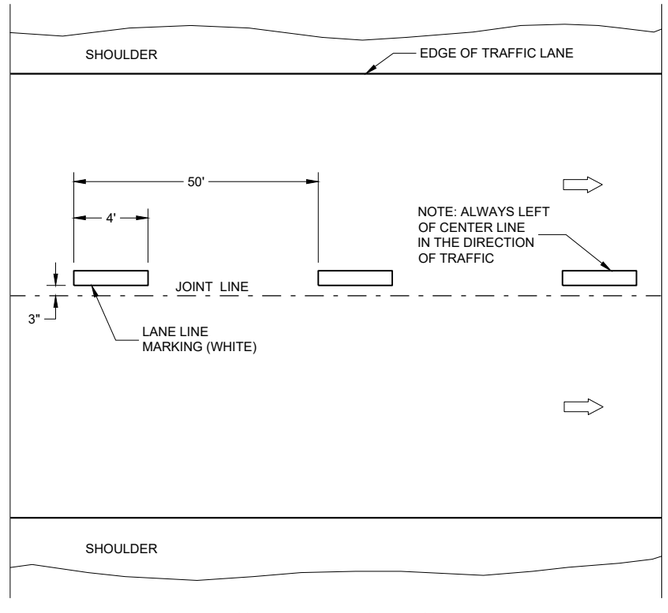


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

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

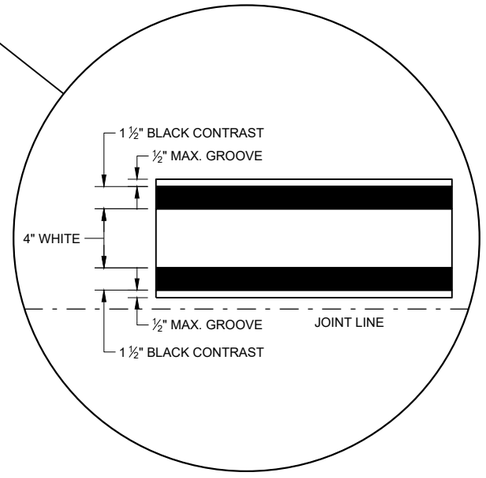
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

FHWA

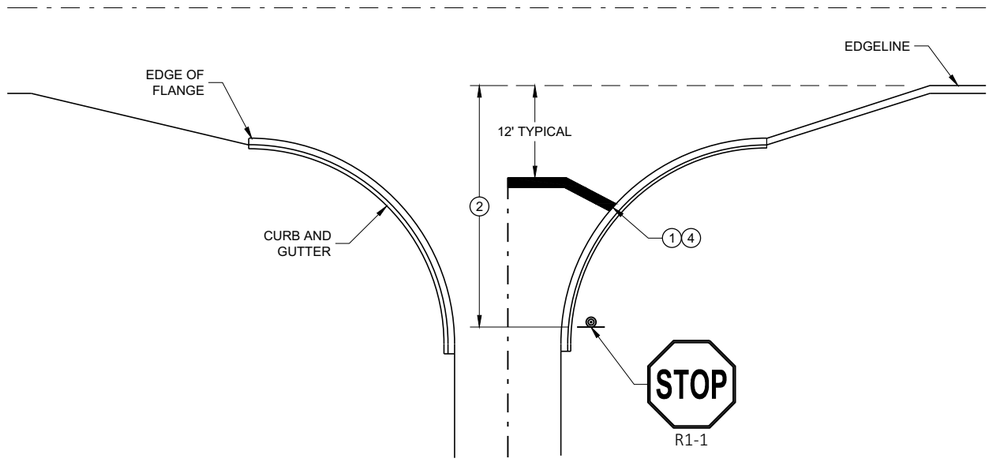
SDD 15C08 - 20a

SDD 15C08 - 20a

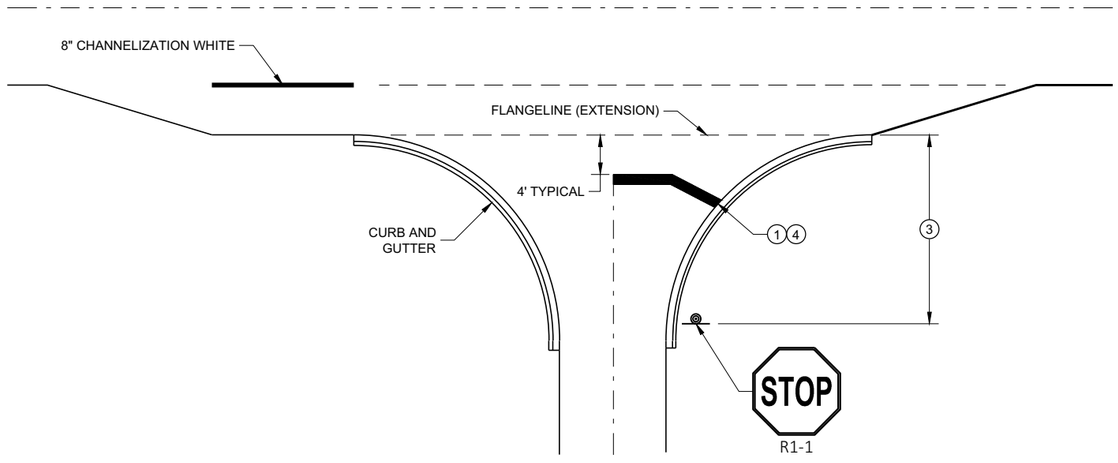
GENERAL NOTES

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

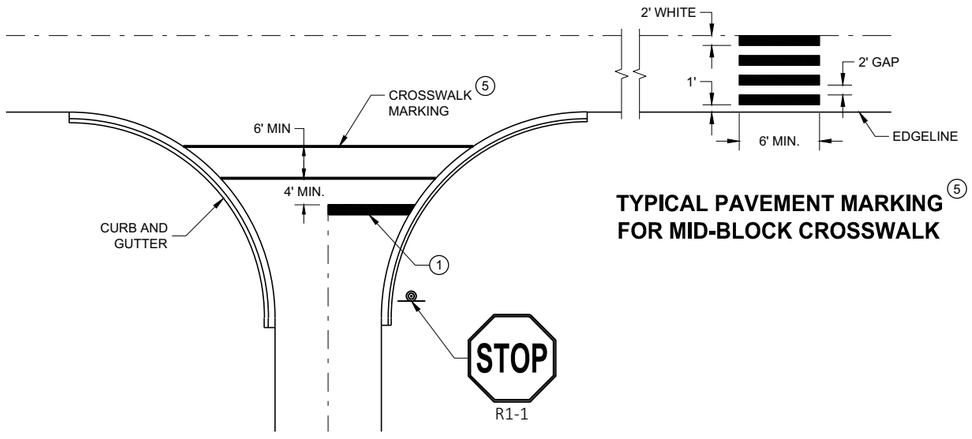
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

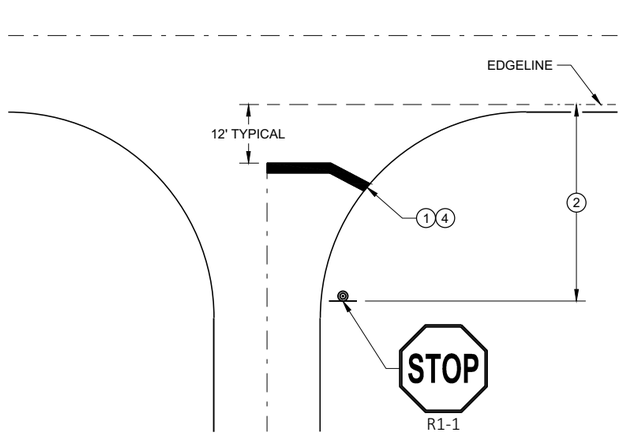


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

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SDD 15C33 - 04

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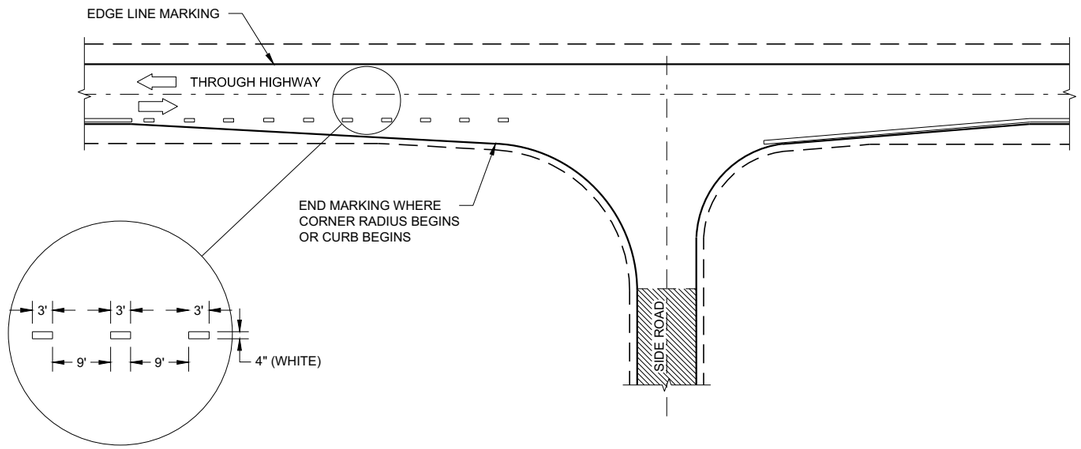
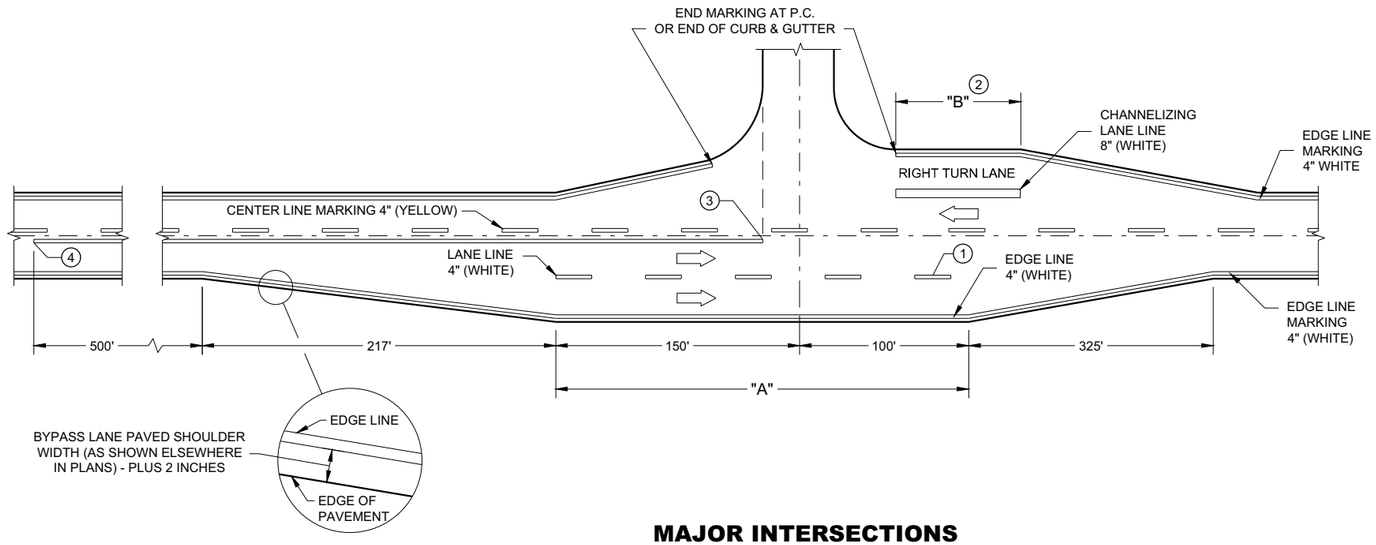
SDD 15C33 - 04



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

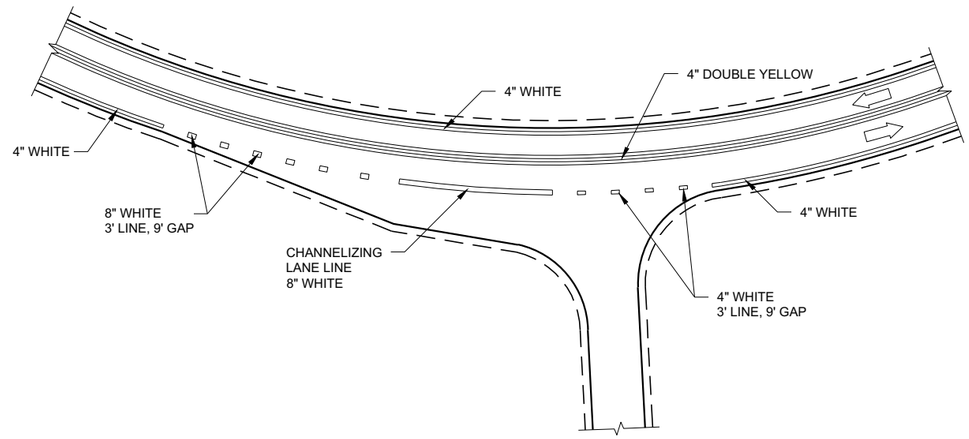
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

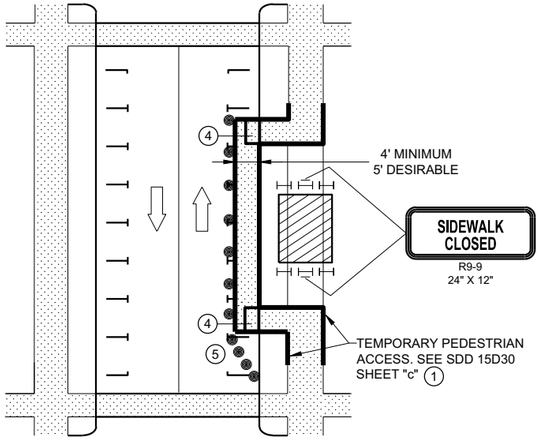
PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15C35 - 04a

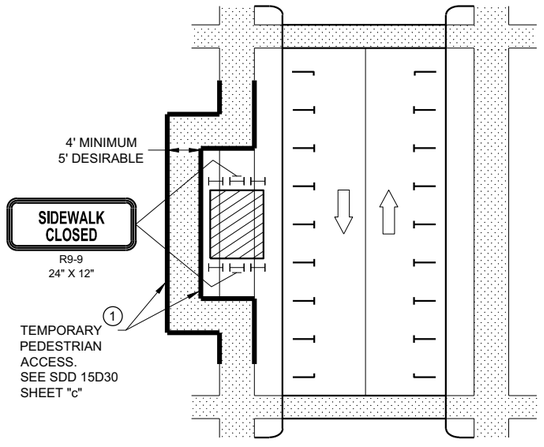
SDD 15C35 - 04a

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

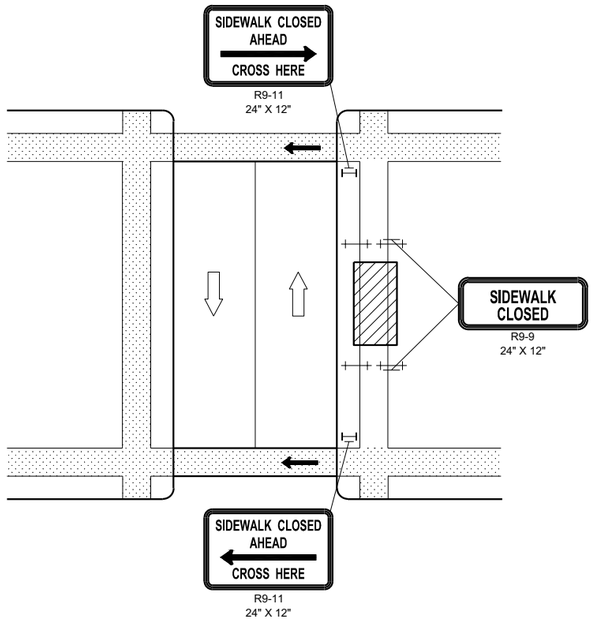


MID-BLOCK SIDEWALK SIDEWALK CLOSURE IN PARKING LANE

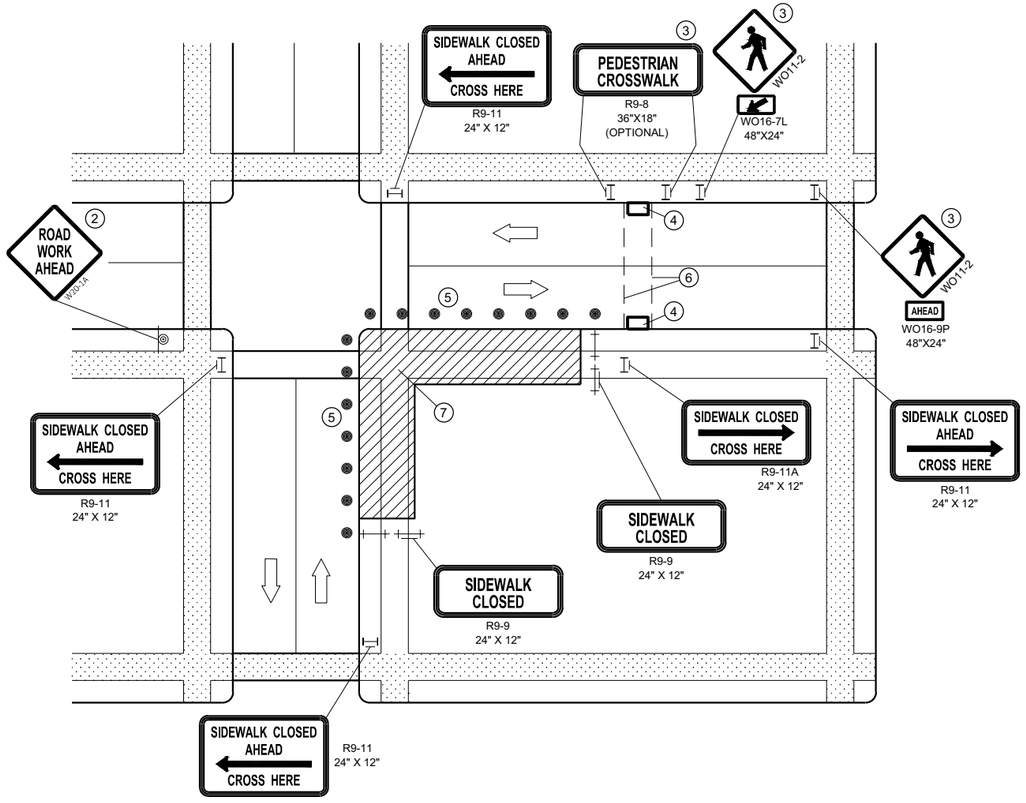
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

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

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

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

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

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

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

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

1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

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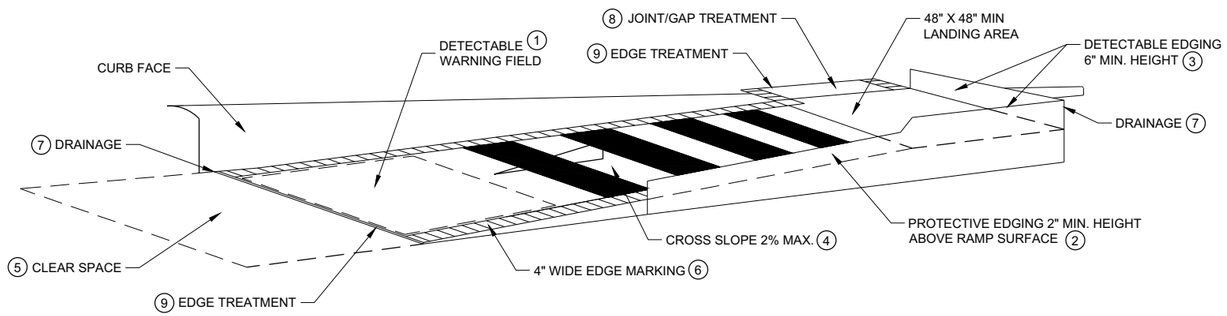
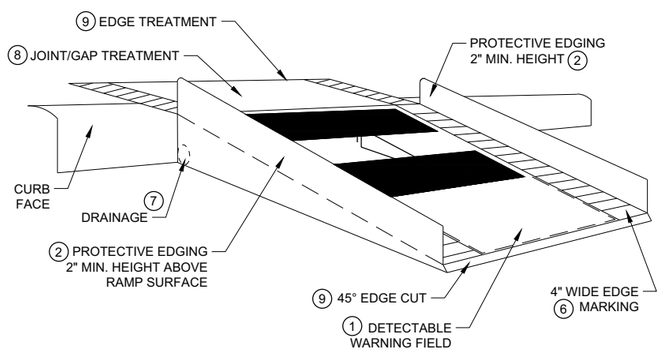
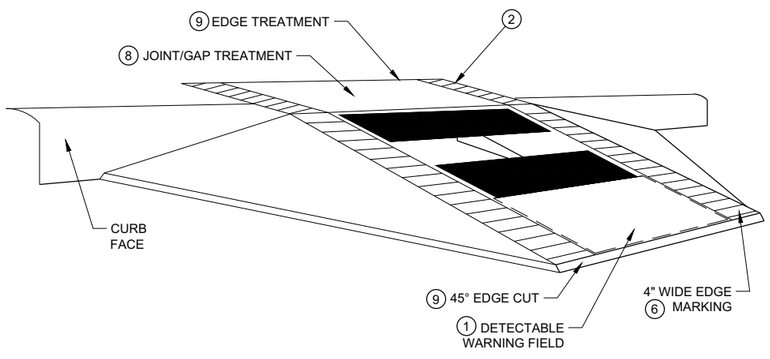
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

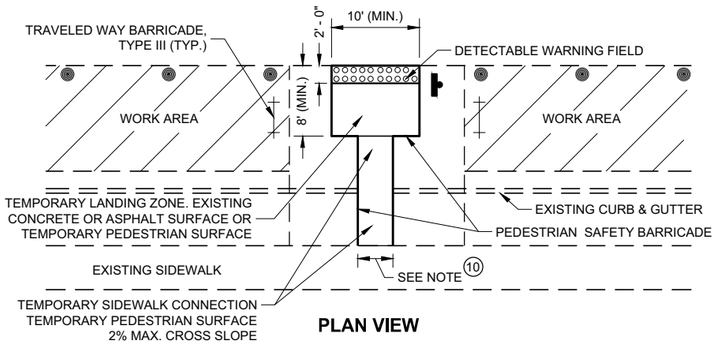
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

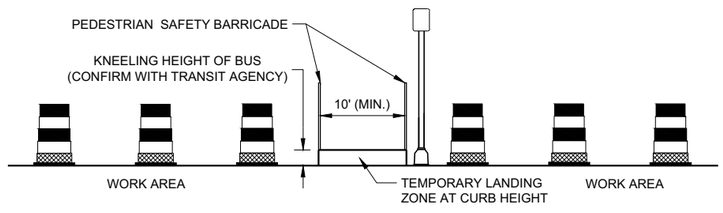
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 06b

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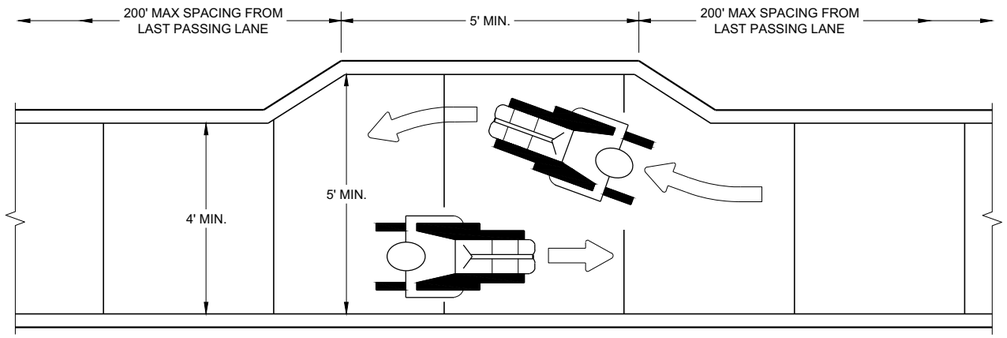
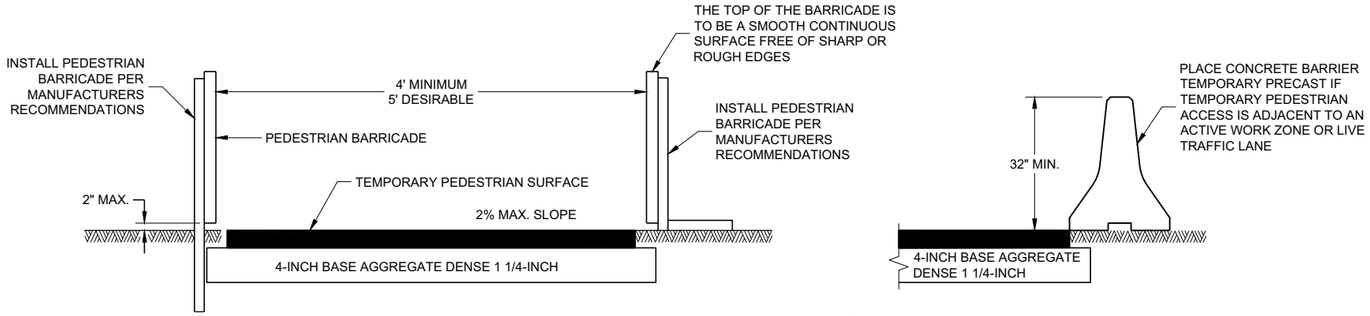
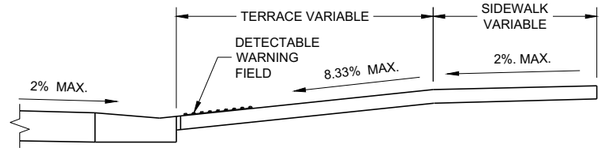
SDD 15D30 - 06b



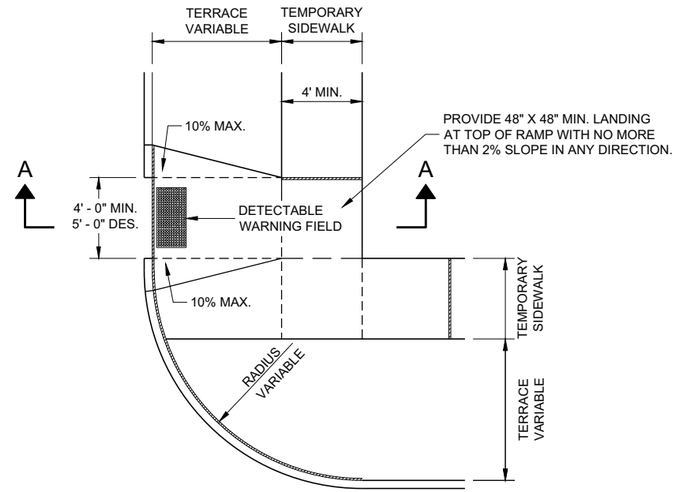
NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN ACCESS



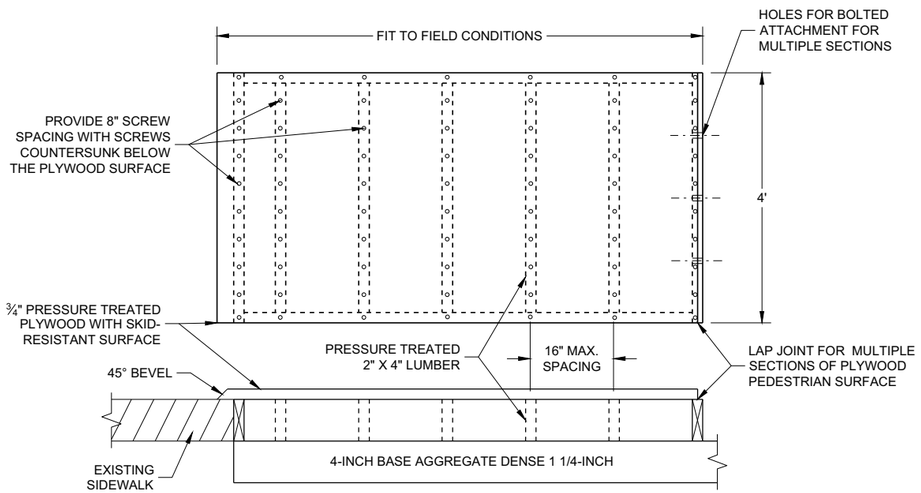
SECTION A - A



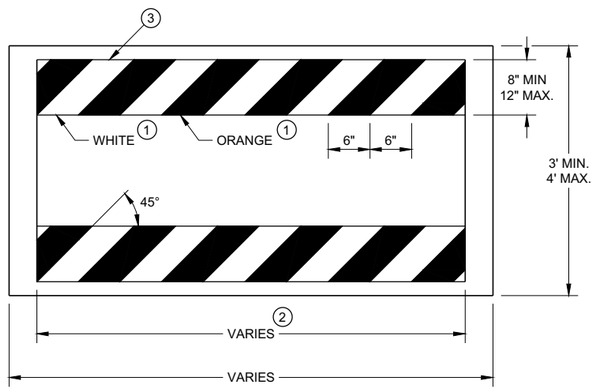
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

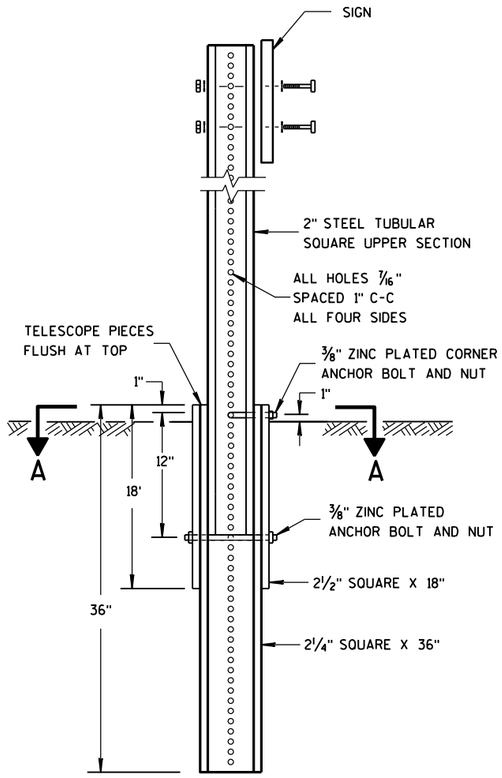
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

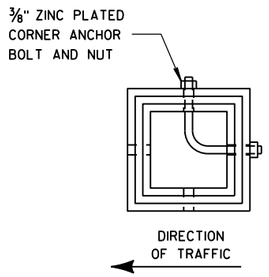
SDD 15D30 - 06c

6

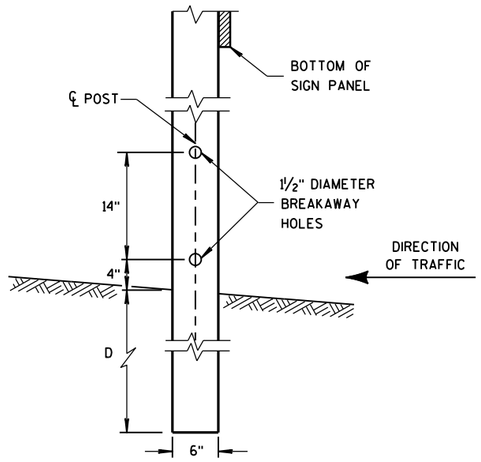
SDD 15D30 - 06c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



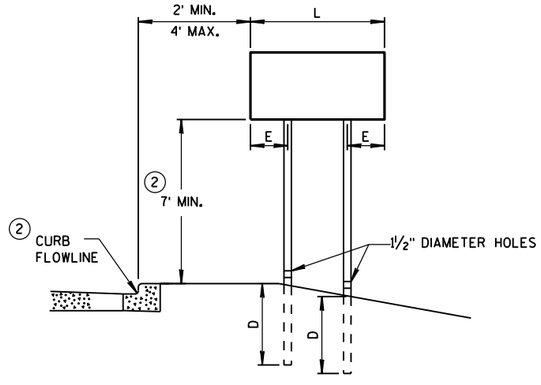
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

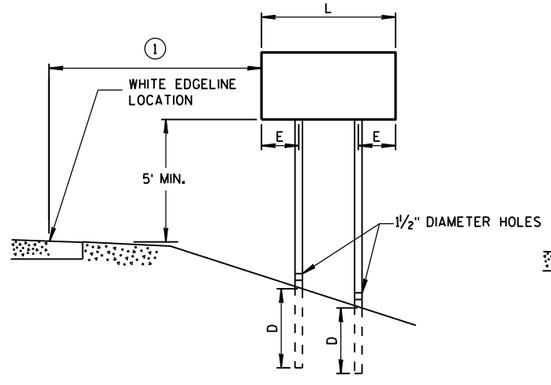
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

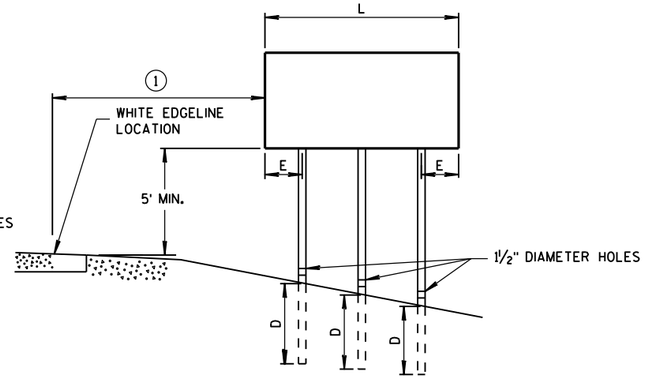
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. 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 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

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 REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

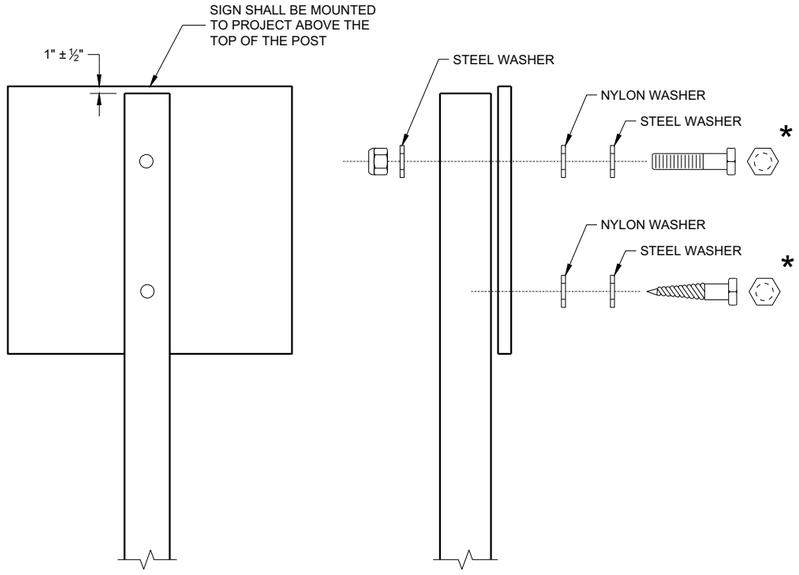
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 D 38-2a



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 POST (4" x 6")
- LAG SCREWS - ⅜" x 3"
- MACHINE BOLTS - 5/16" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
- MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
- RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH, GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -
- 1 ¼" O.D. x ⅜" I.D. x 1/16" STEEL
- 1 ¼" O.D. x ⅜" I.D. x 0.080 NYLON

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

SDD 15D38 - 02b

SDD 15D38 - 02b

ATTACHMENT OF SIGNS TO POSTS

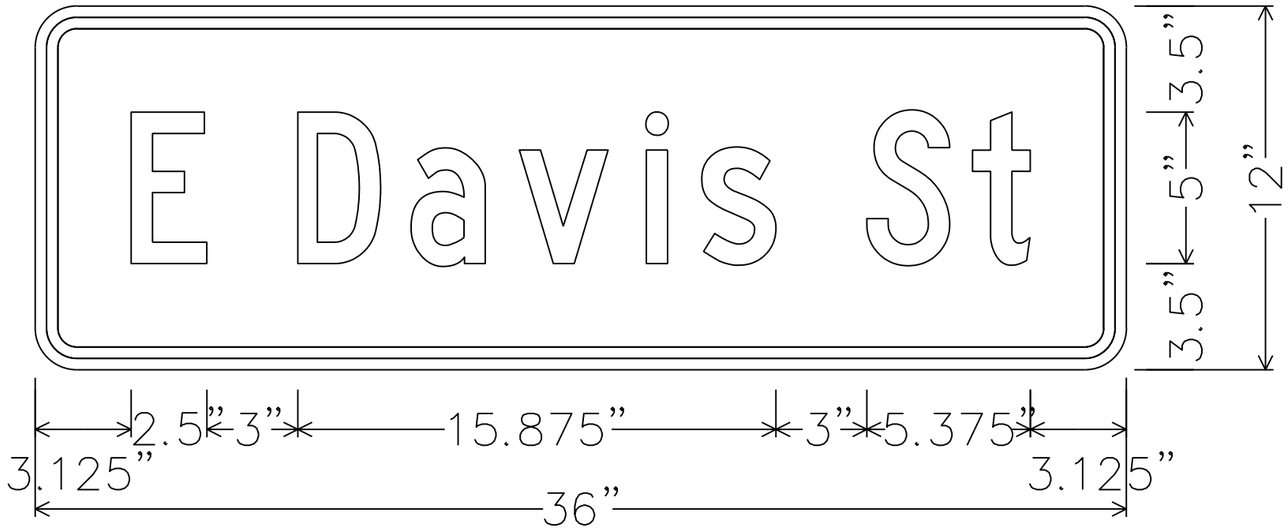
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

NOTES:

1. SIGN IS TYPE II - TYPE F REFLECTIVE - REFERENCE "WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" LATEST EDITION.
2. COLOR
   BACKGROUND - ORANGE
   MESSAGE - BLACK
3. MESSAGE SERIES - C
4. CORNERS MAY BE SQUARE OR ROUNDED WHEN BASE MATERIAL IS PLYWOOD, BUT BORDERS SHALL BE ROUNDED AS SHOWN. WHEN BASE MATERIAL IS METAL, THE CORNERS SHALL BE ROUNDED.



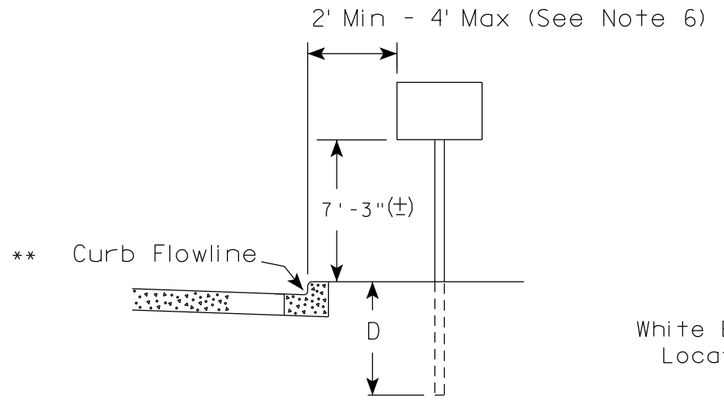
1.375" Radius, 0.375" Border, 0.375" Indent, Black on, Orange;
"E", C; "Davis", C; "St", C;

7

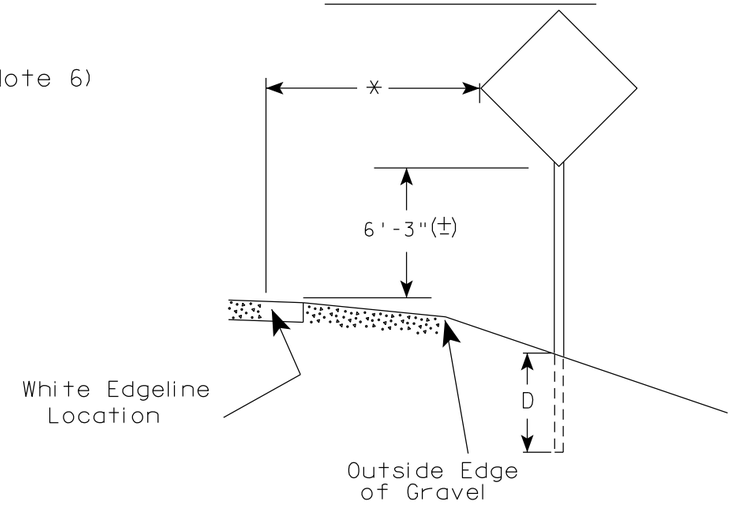
7

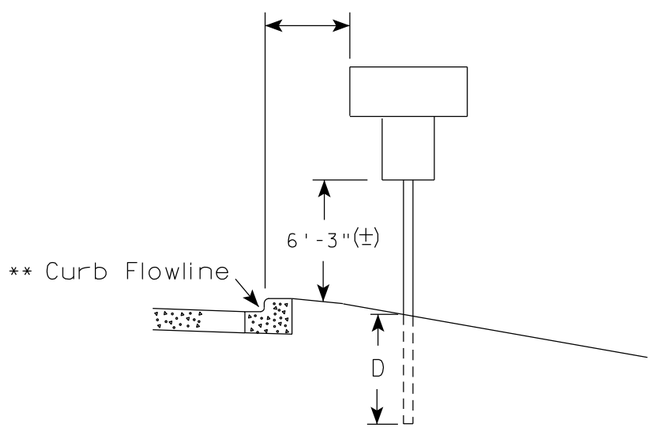
PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	FIXED MESSAGE SIGN DETAIL	SHEET 121	E

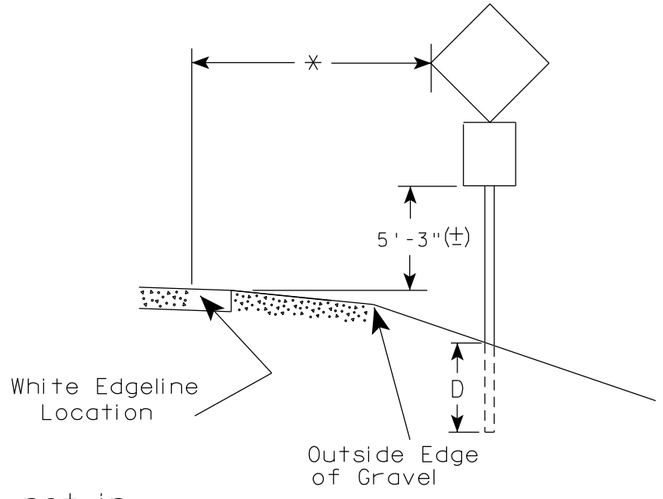
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

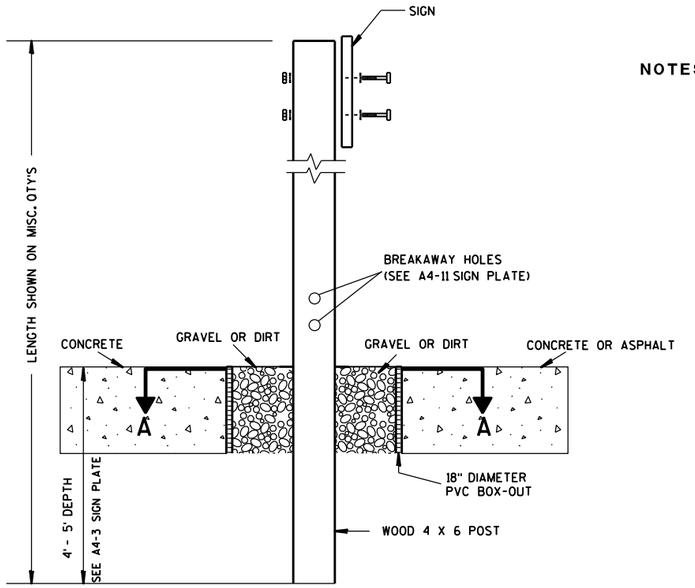
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

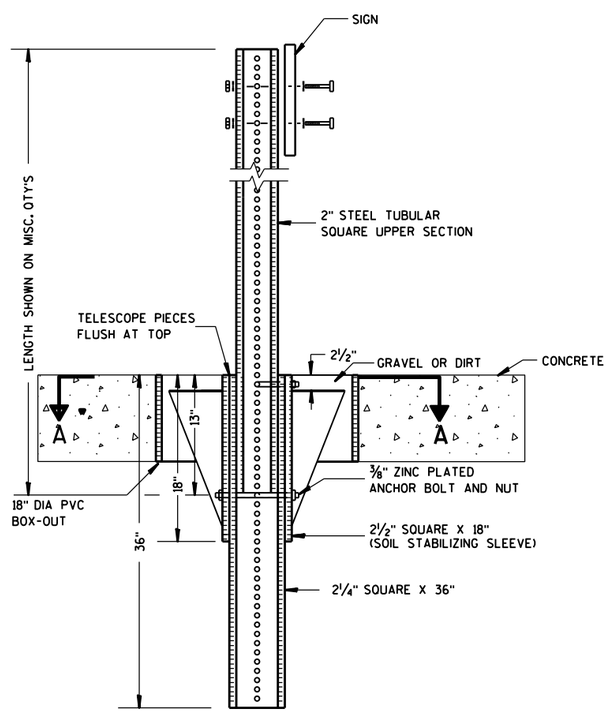
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 122	E



ELEVATION VIEW

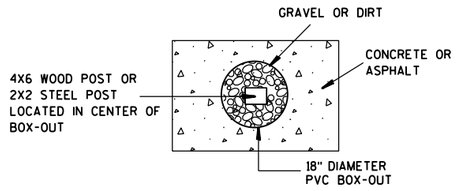
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

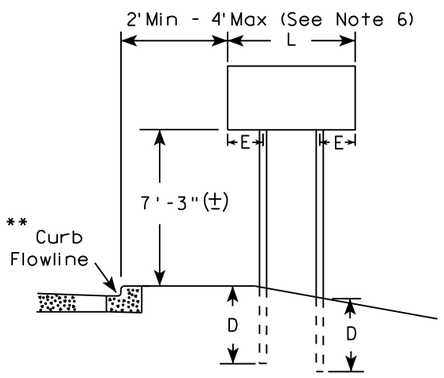
APPROVED Matthew R Rauch
for State Traffic Engineer

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

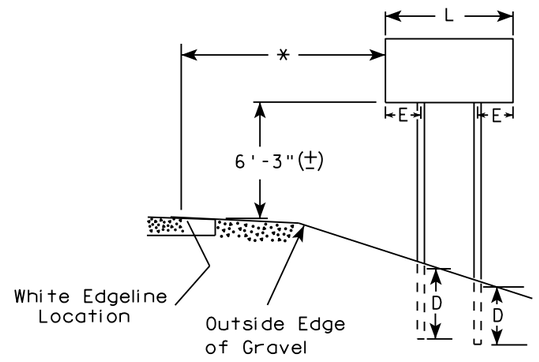
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

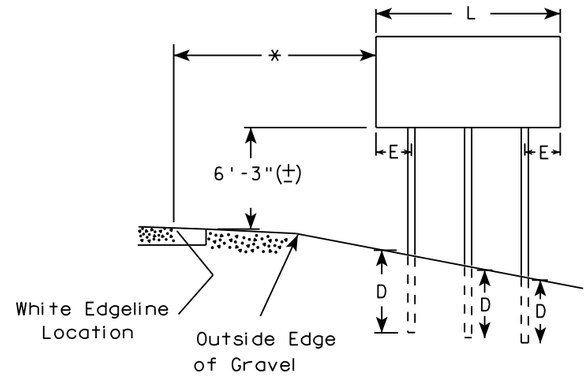
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

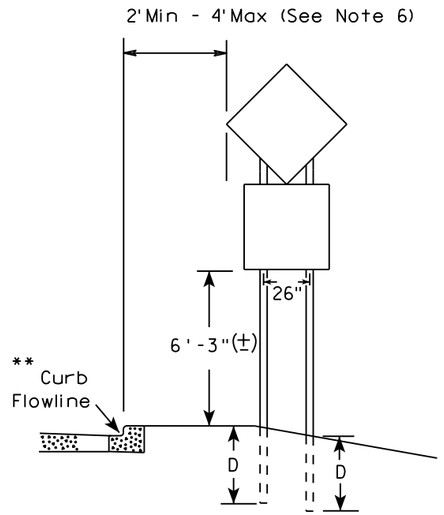
URBAN AREA



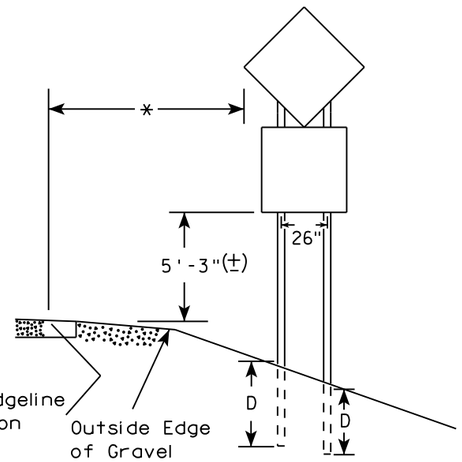
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

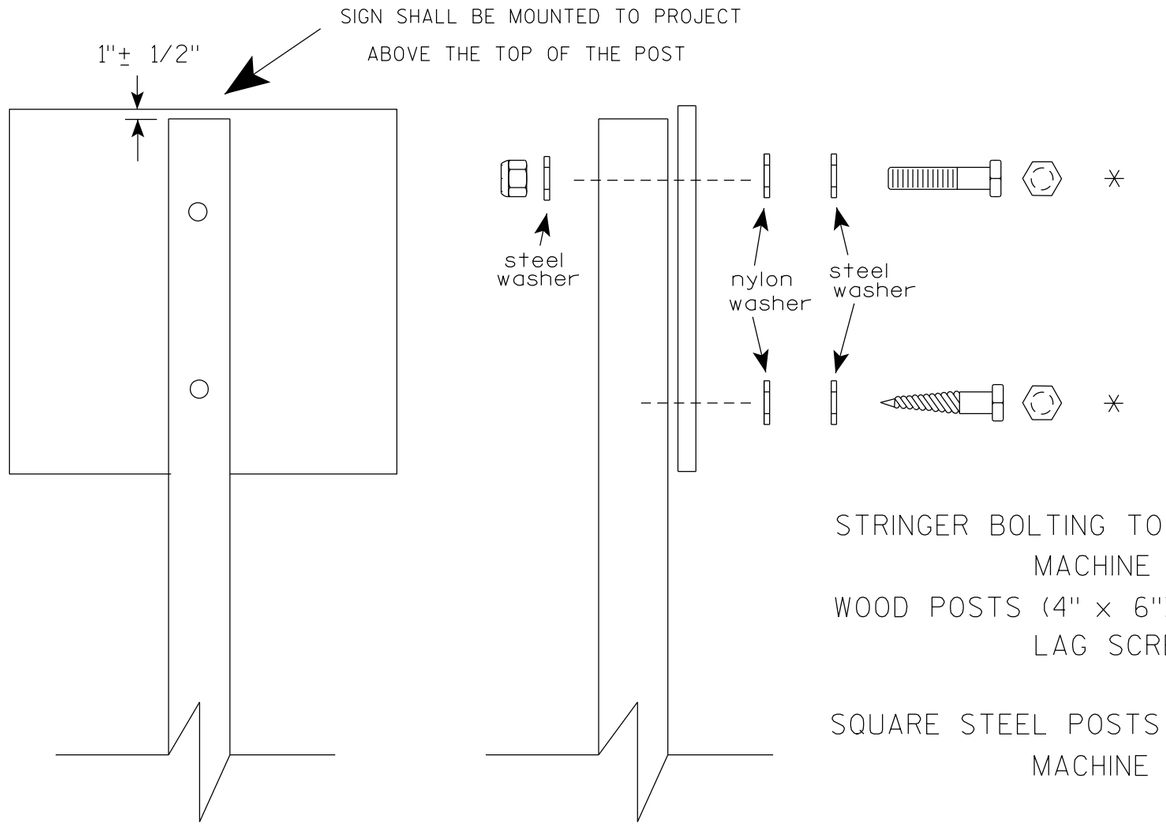
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 124	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

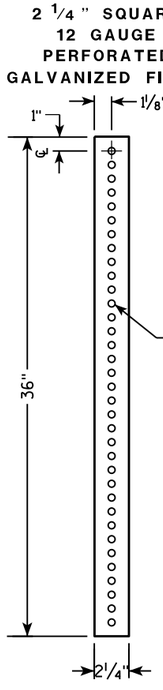
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

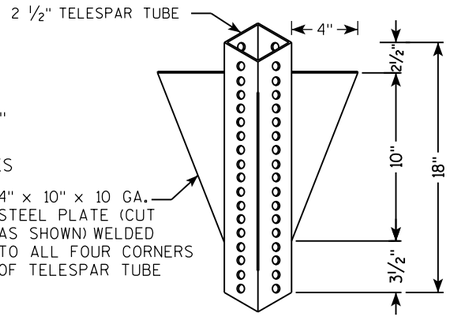
SHEET NO: 125 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

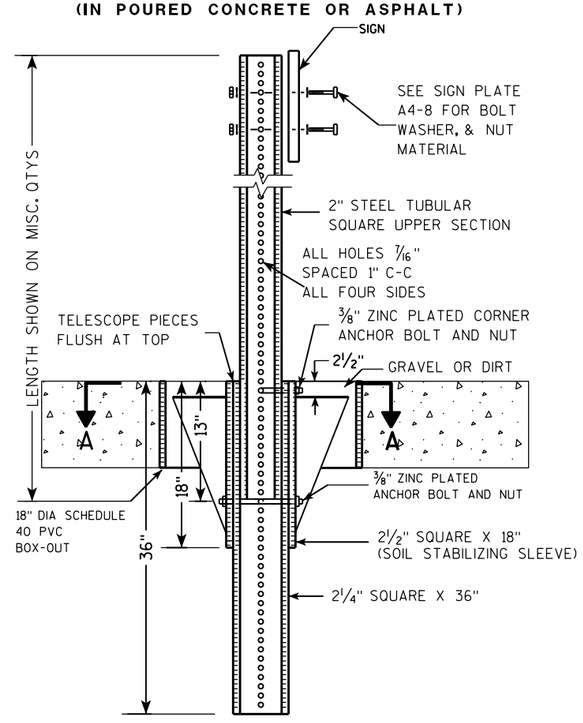
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



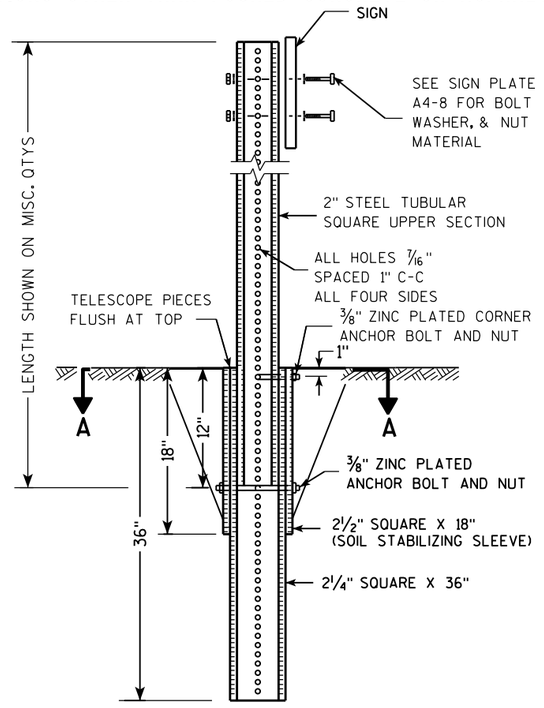
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

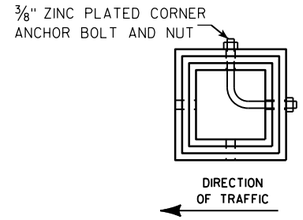


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

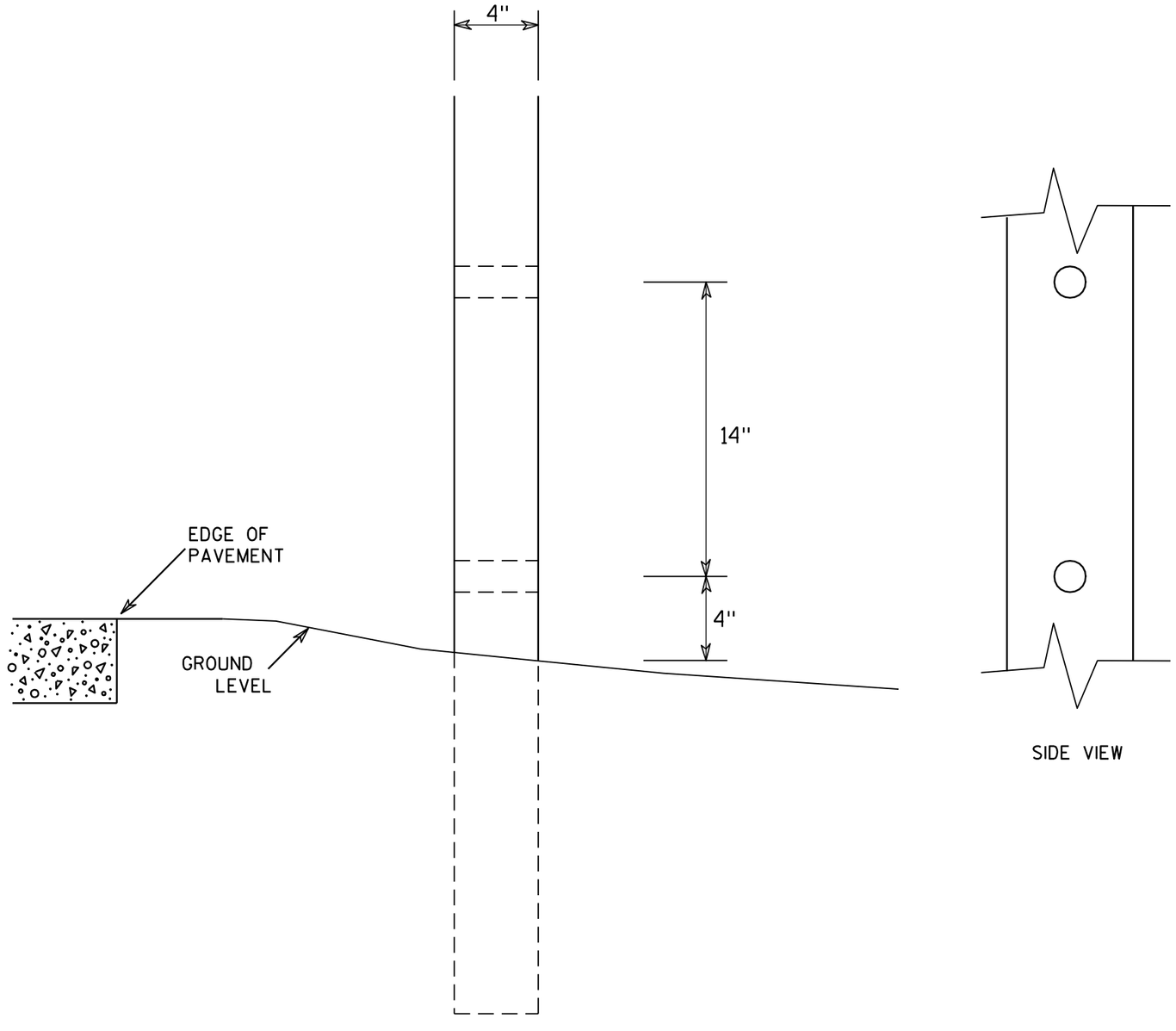
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

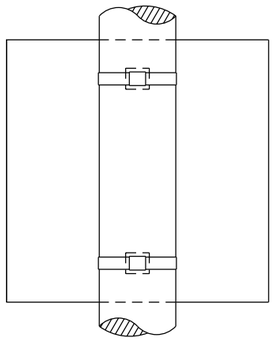
APPROVED Chester J Spang
for State Traffic Engineer

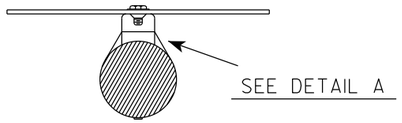
DATE 3/27/97 PLATE NO. A4-11.2

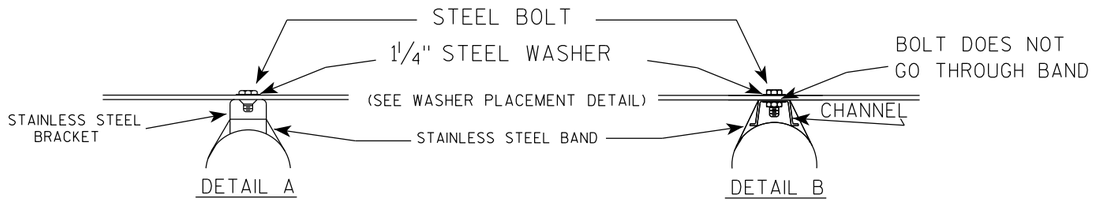
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 127	E

BANDING

SINGLE SIGN



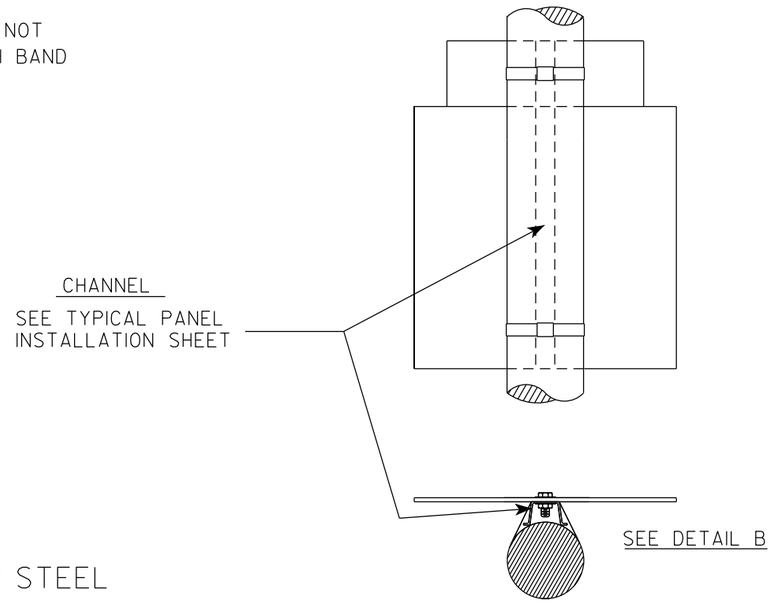




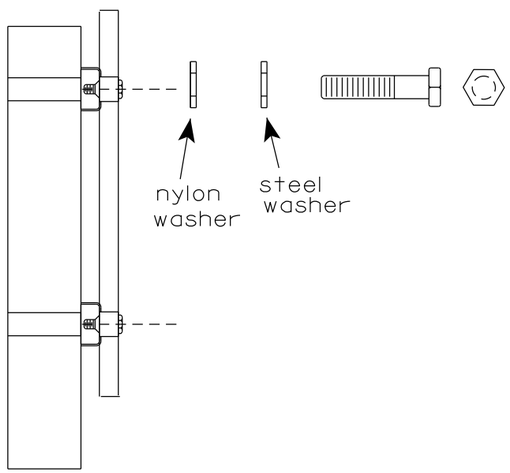
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

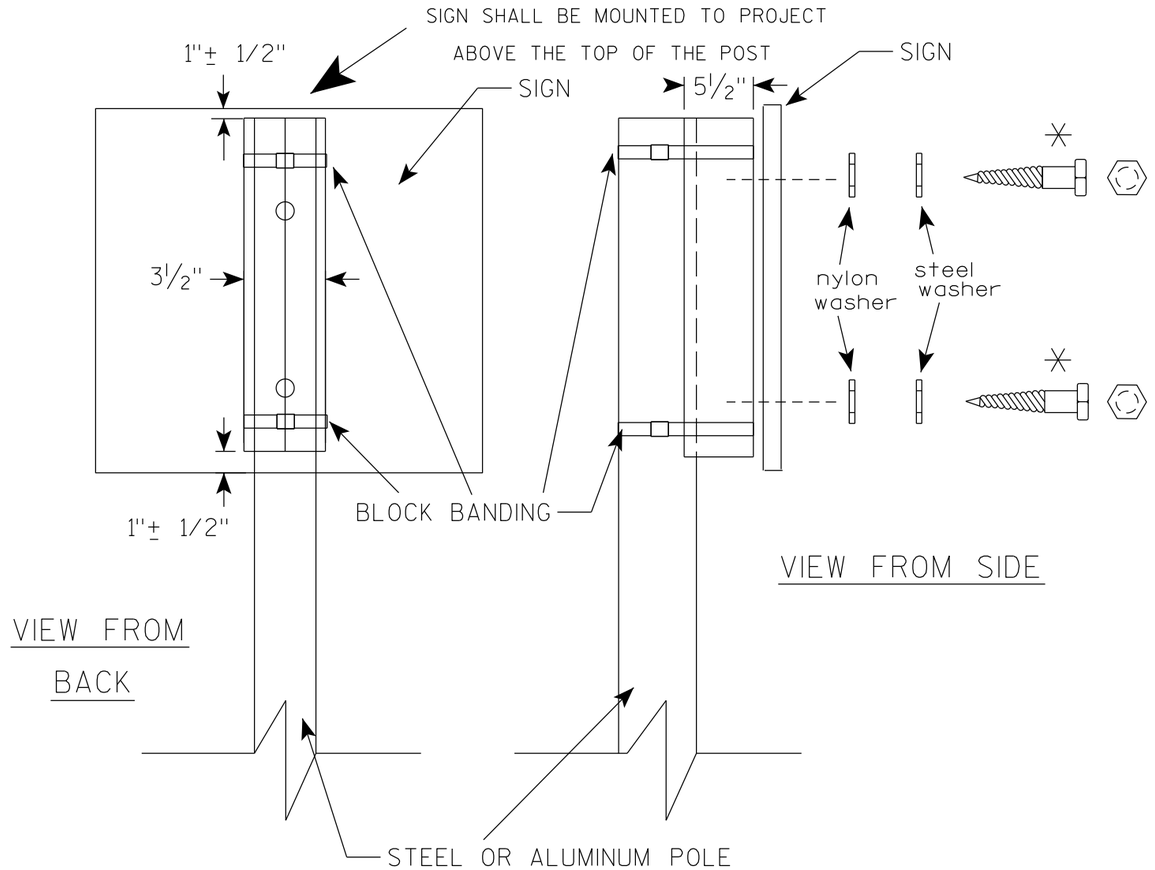
DATE 6/10/19 PLATE NO. A5-9.4

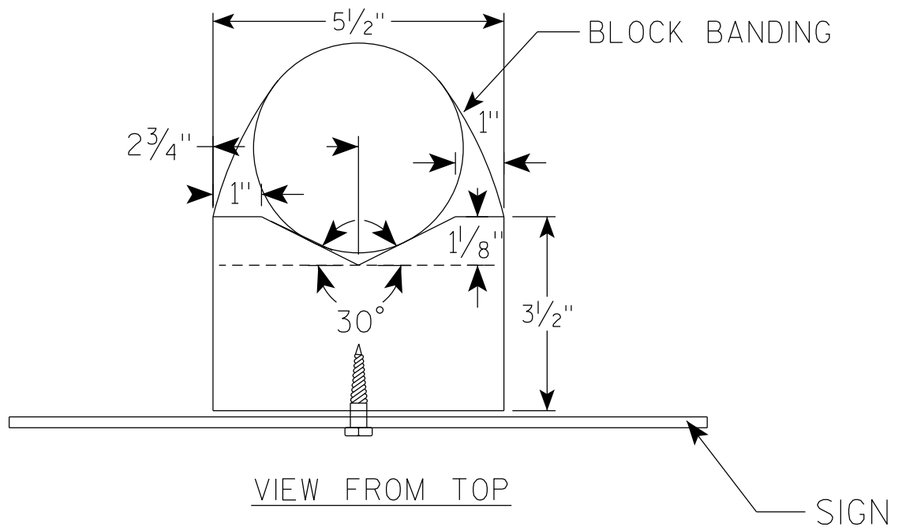
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 128	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

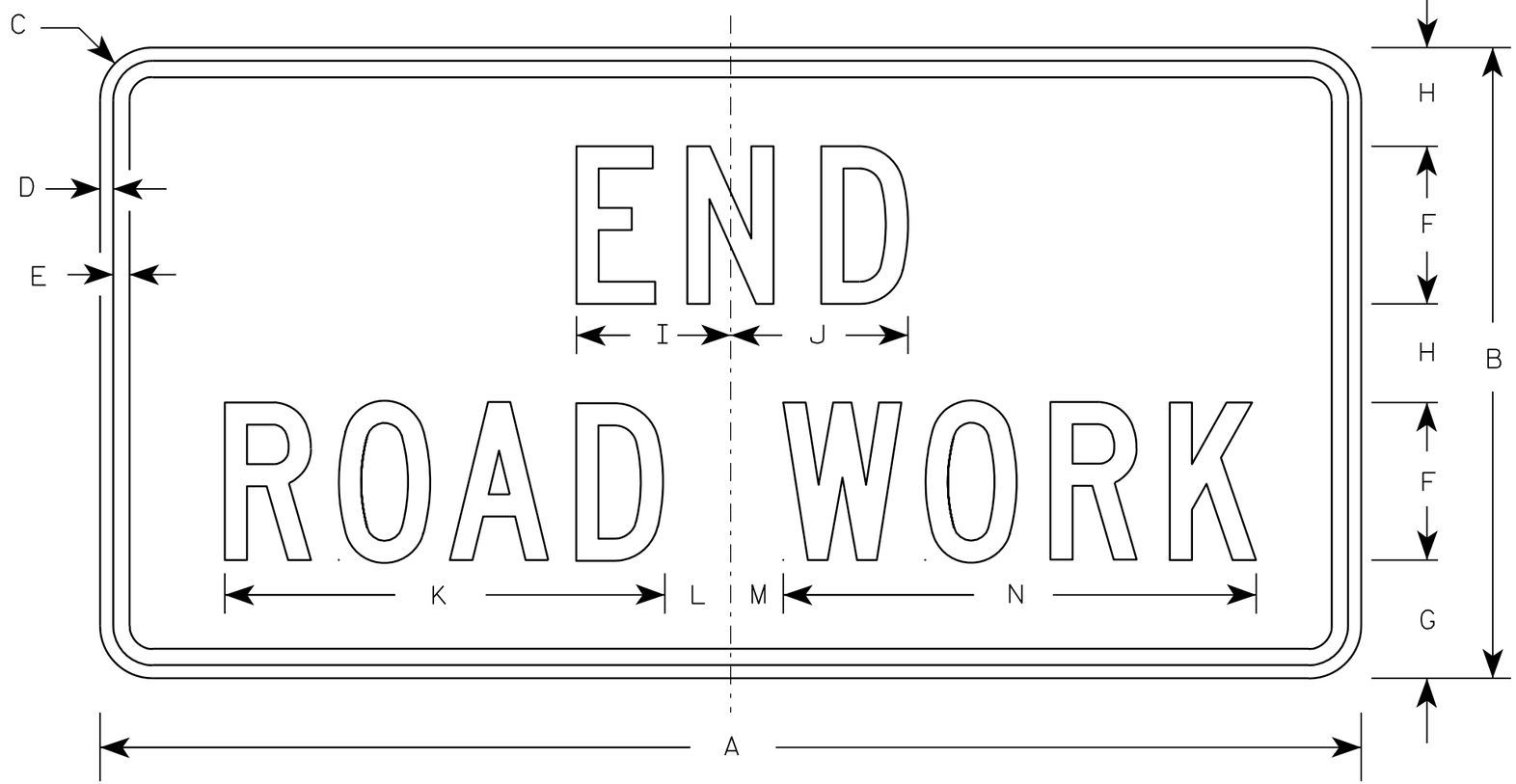
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO:				SHEET NO: 129	E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

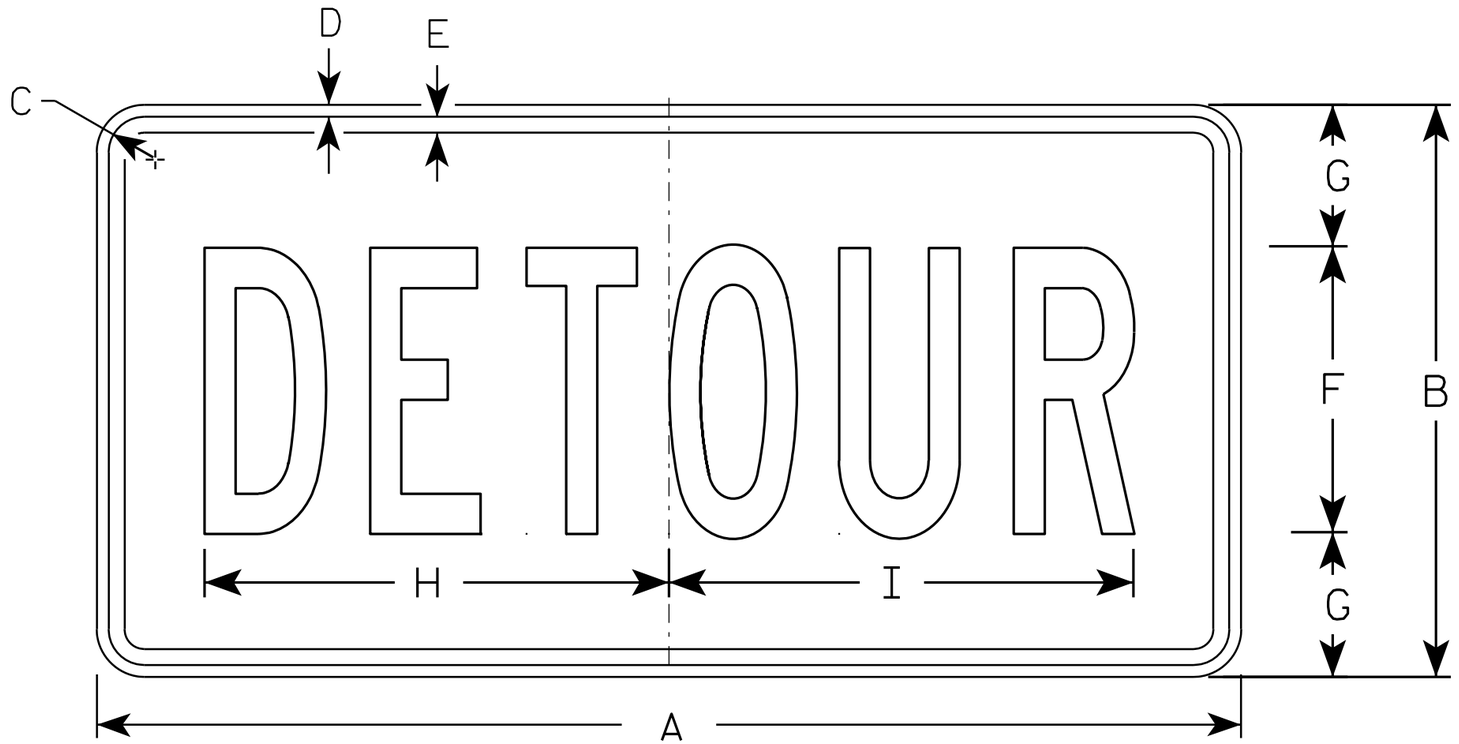
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 130	E



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

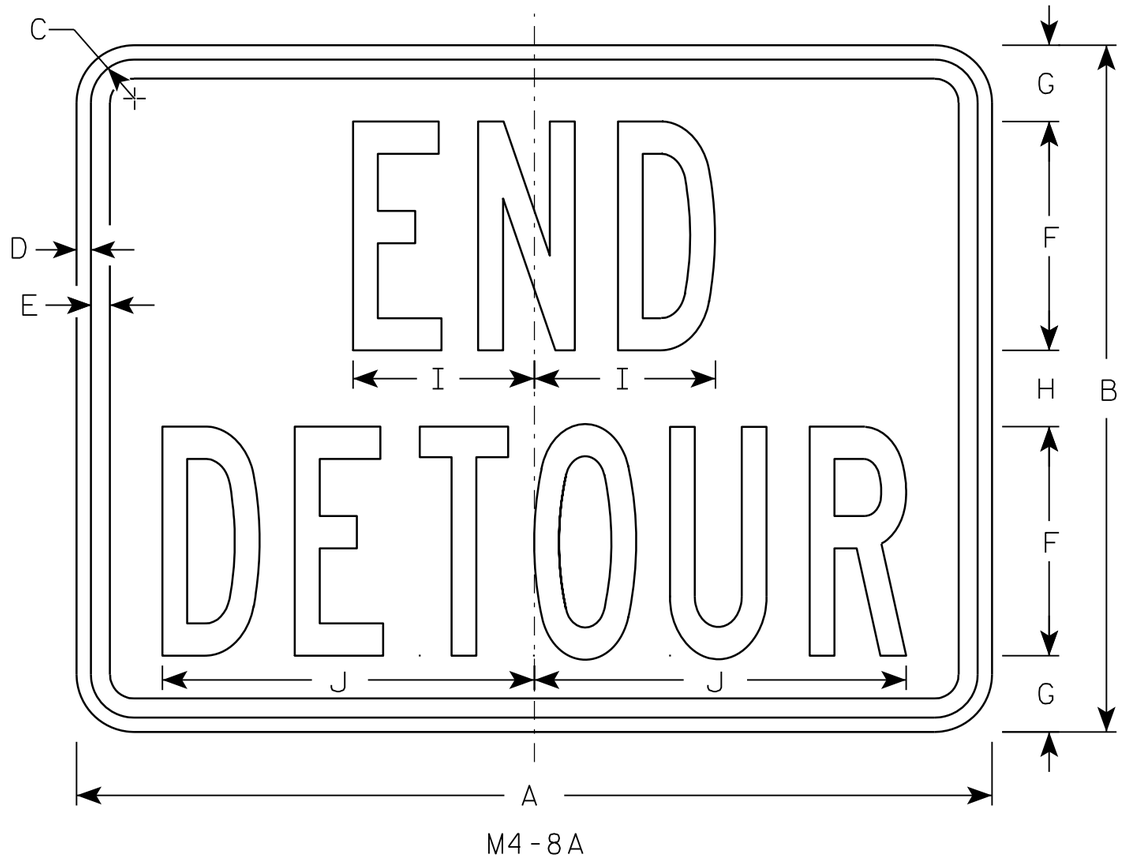
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 131	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

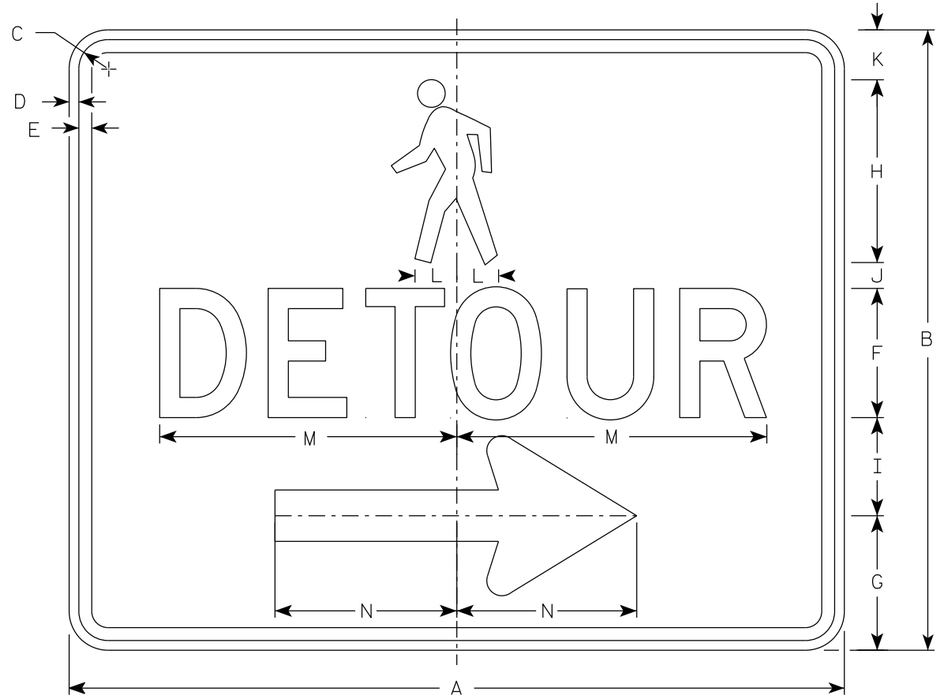
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

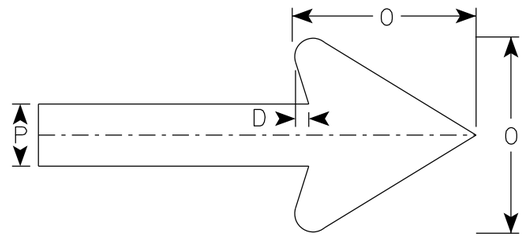
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 132	E



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.00
3																											
4																											
5																											

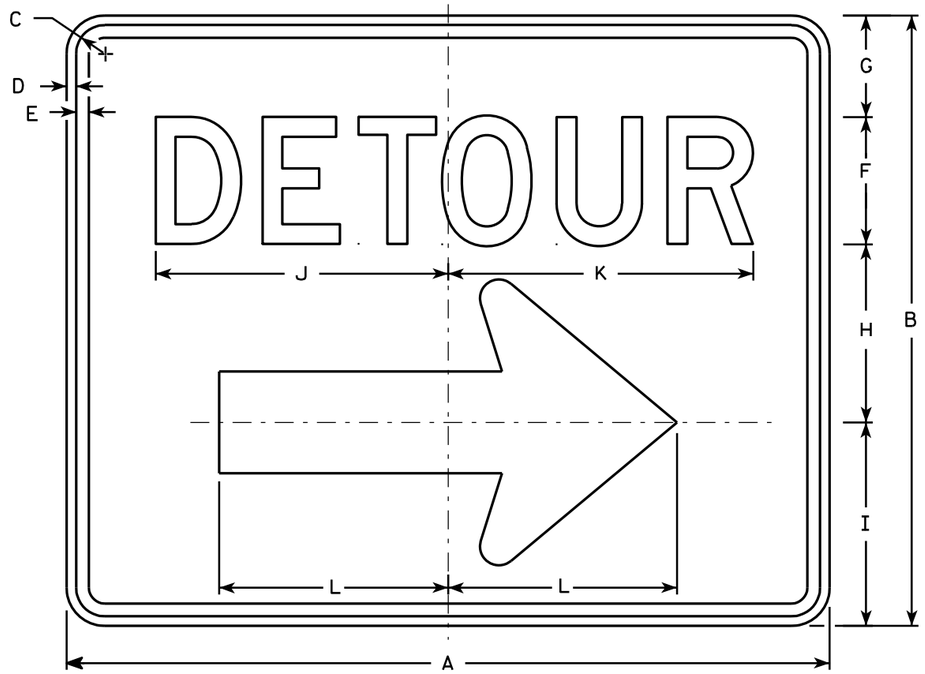
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 7/1/19 PLATE NO. M4-9B.2

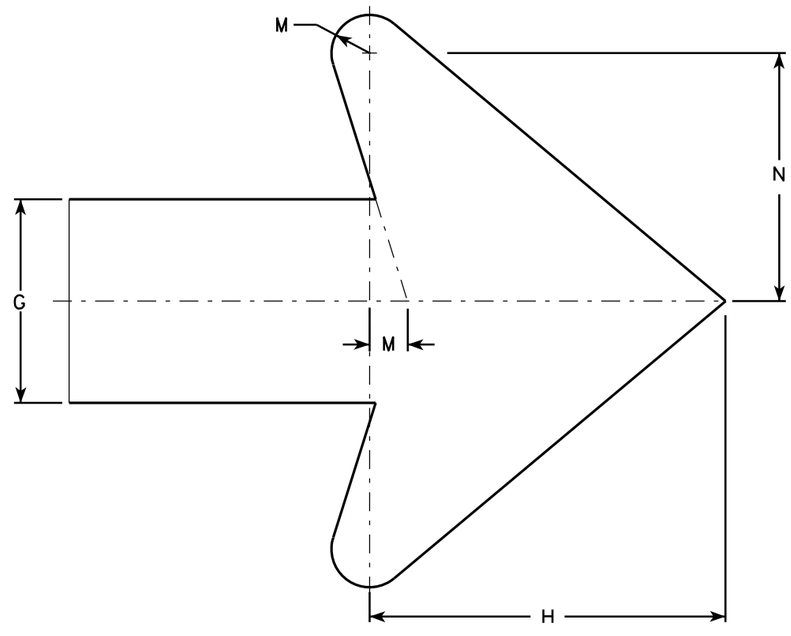
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 133 | E



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

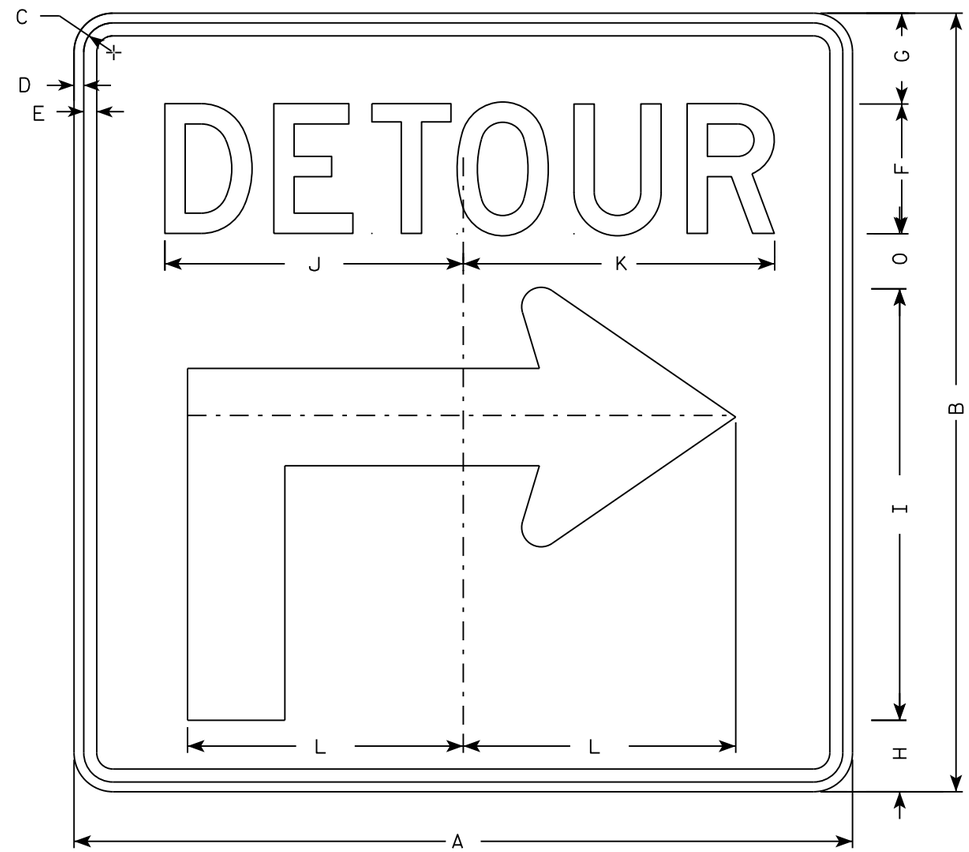
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

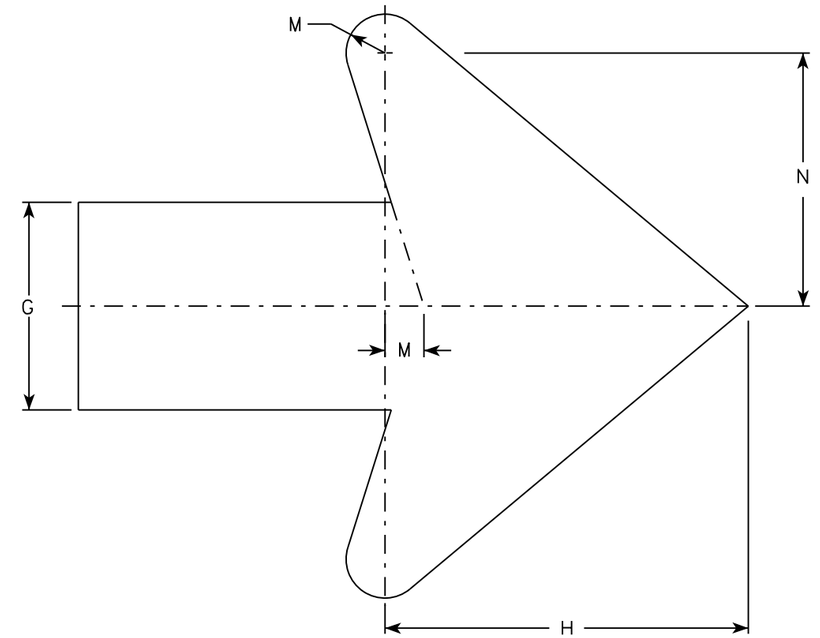
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 134	E



M4-59R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown when base material is metal.
5. M4-59L is the same as M4-59R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
3	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
4	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0
5	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0

STANDARD SIGN
M4-59 L&R

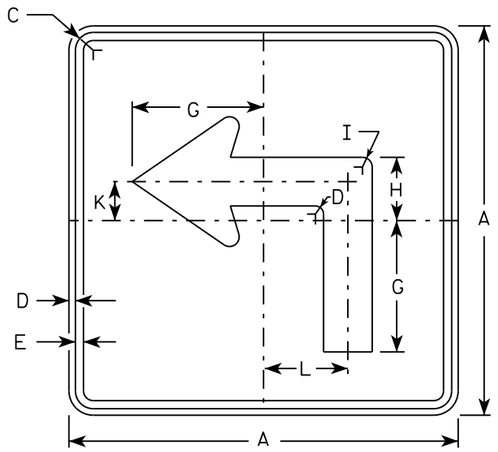
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

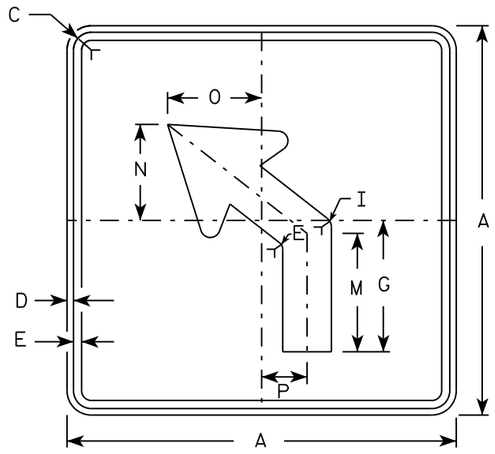
DATE 11/10/15 PLATE M4-59.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

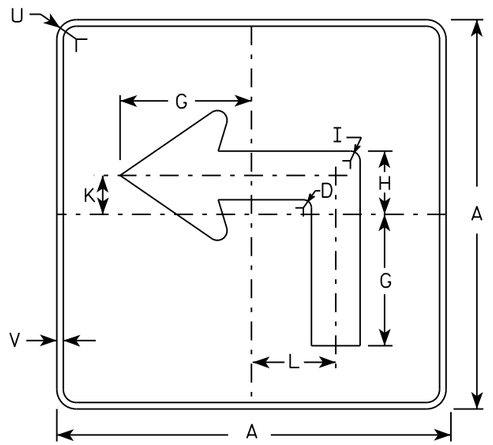
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M459.DGN PLOT DATE : 01-DEC-2015 18:05 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



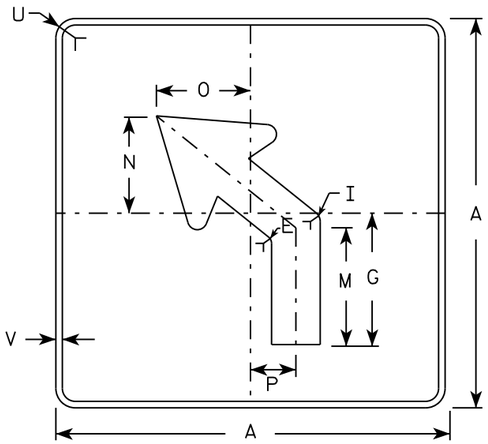
M5-1L
MM5-1L
MO5-1L
MP5-1L



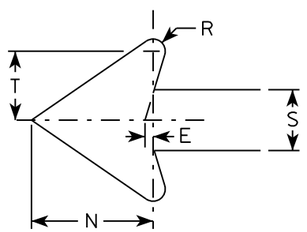
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

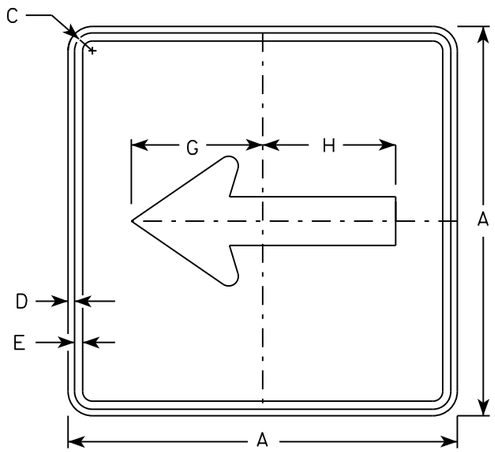
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

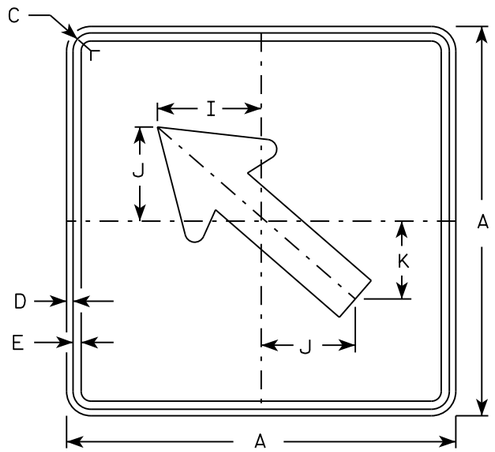
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



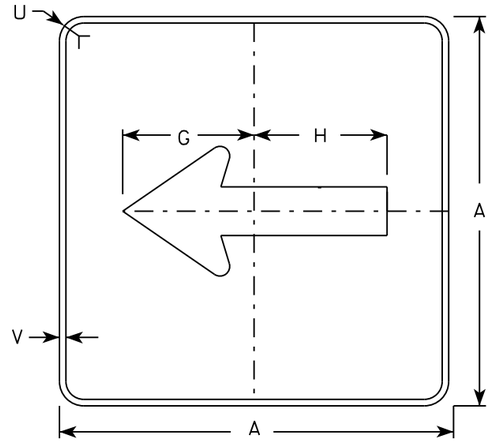
M6-1
MM6-1
MO6-1
MP6-1



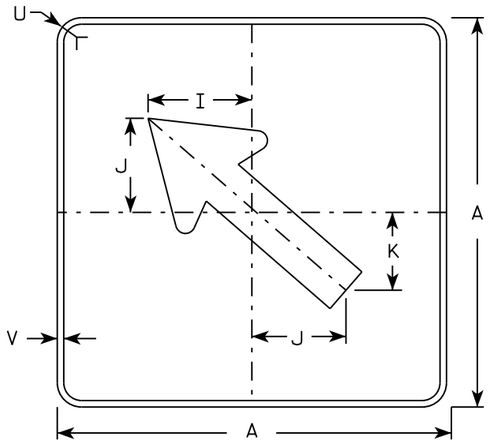
M6-2
MM6-2
MO6-2
MP6-2

NOTES

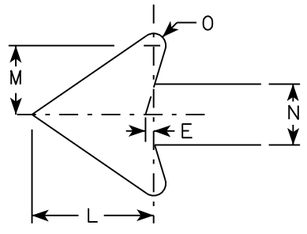
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

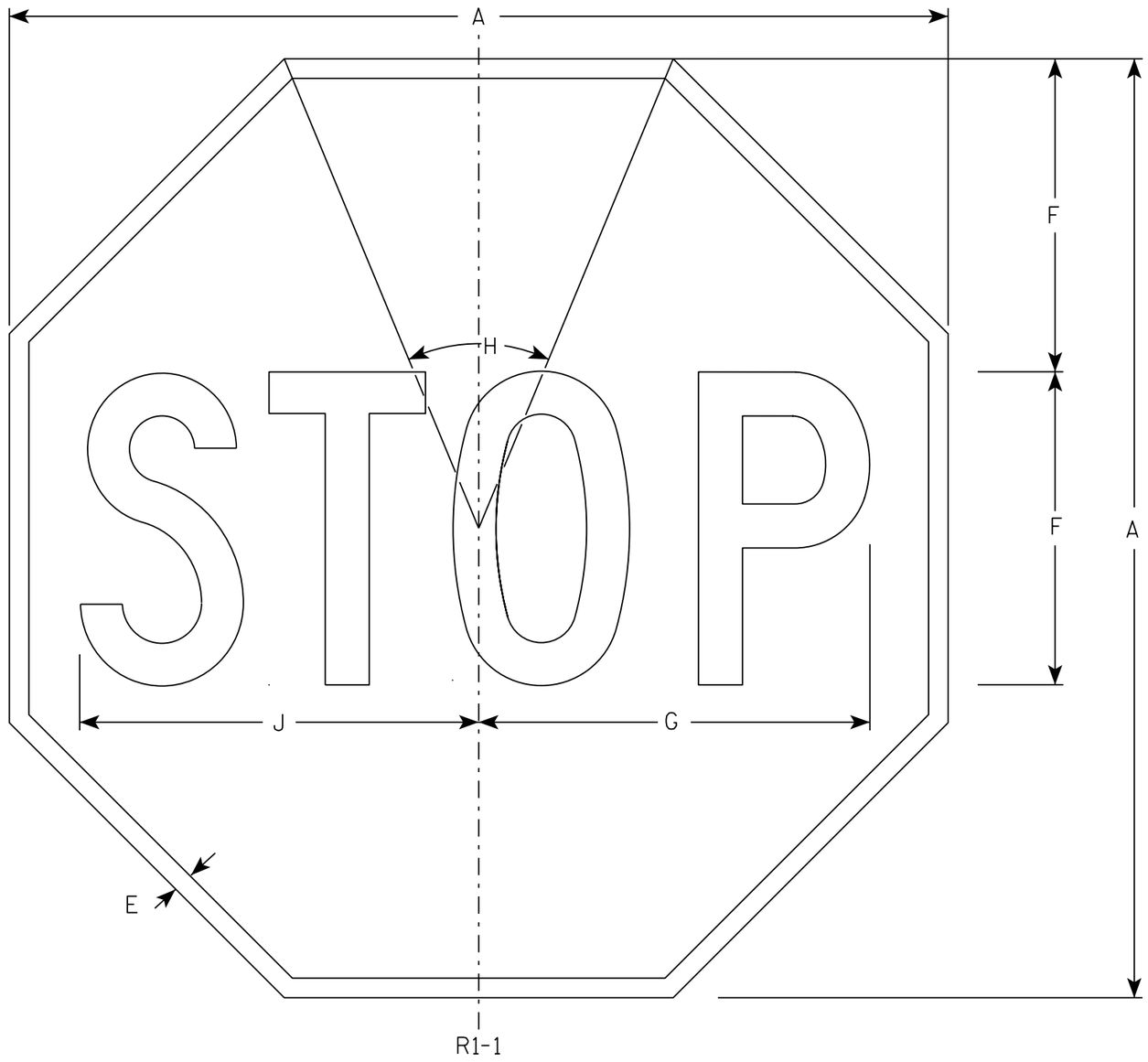
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 137 M6-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

R1-1

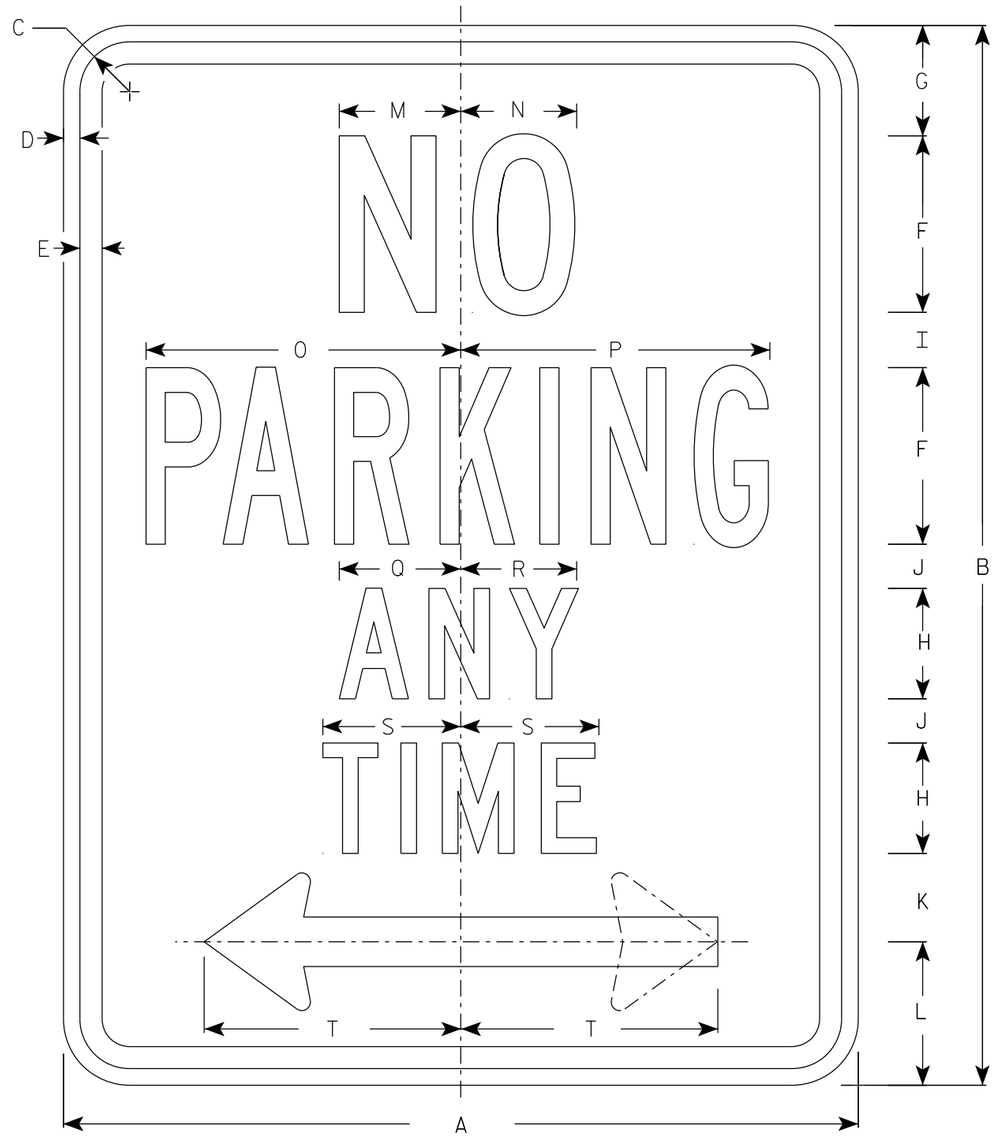
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

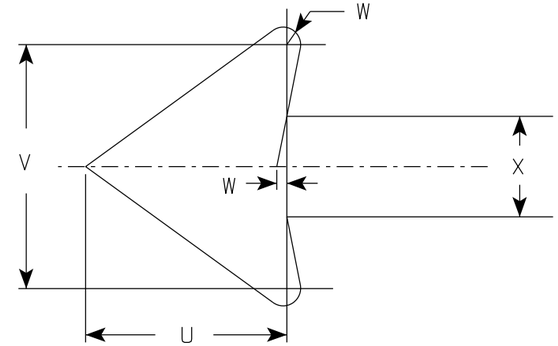
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 138	E



R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

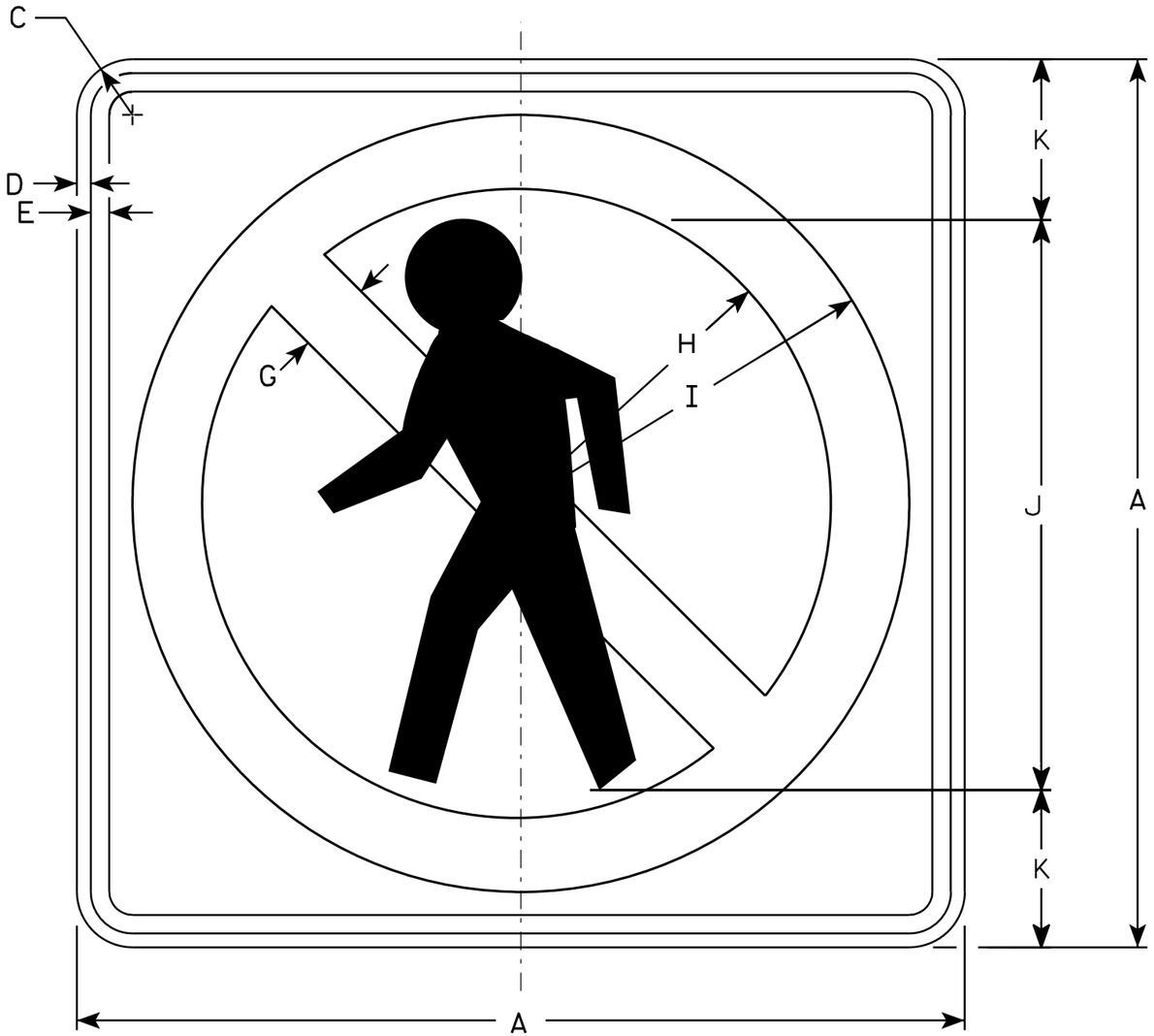
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R7-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 139 E



R9-3A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Pedistrian are non-reflective black. Circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
2M	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
3																											
4	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
5																											

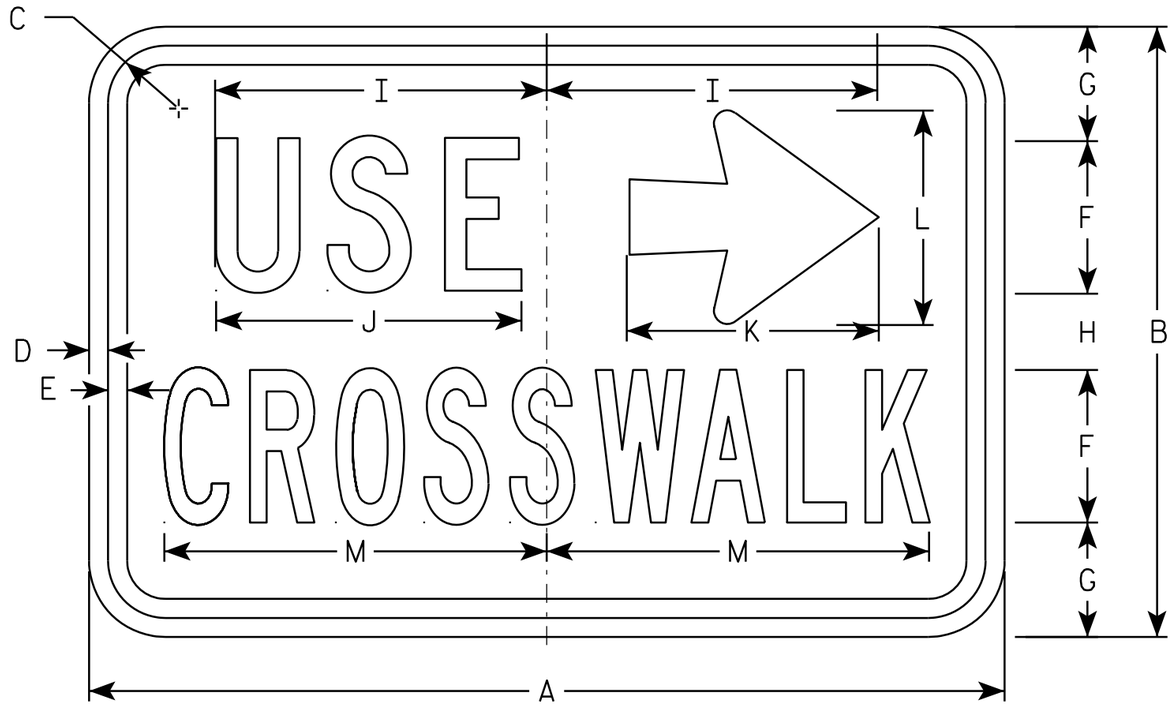
STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 140	E



R9-3BR

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C Line 1, Series B Line 2
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. R9-3BL is the same as R9-3BR except USE and the arrow are switched.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
2M	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
3																											
4																											
5																											

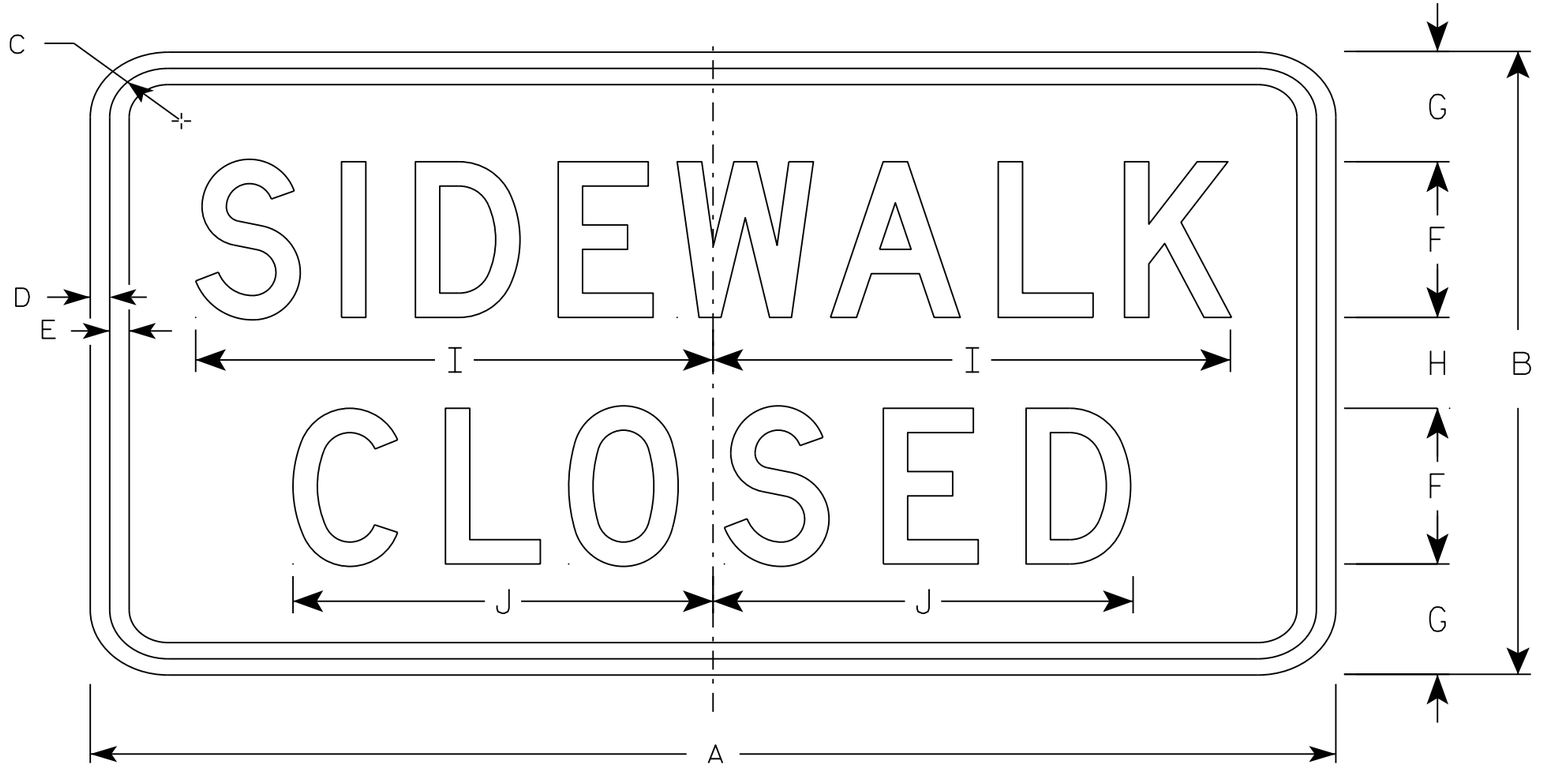
STANDARD SIGN
R9-3BR&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 141 | E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

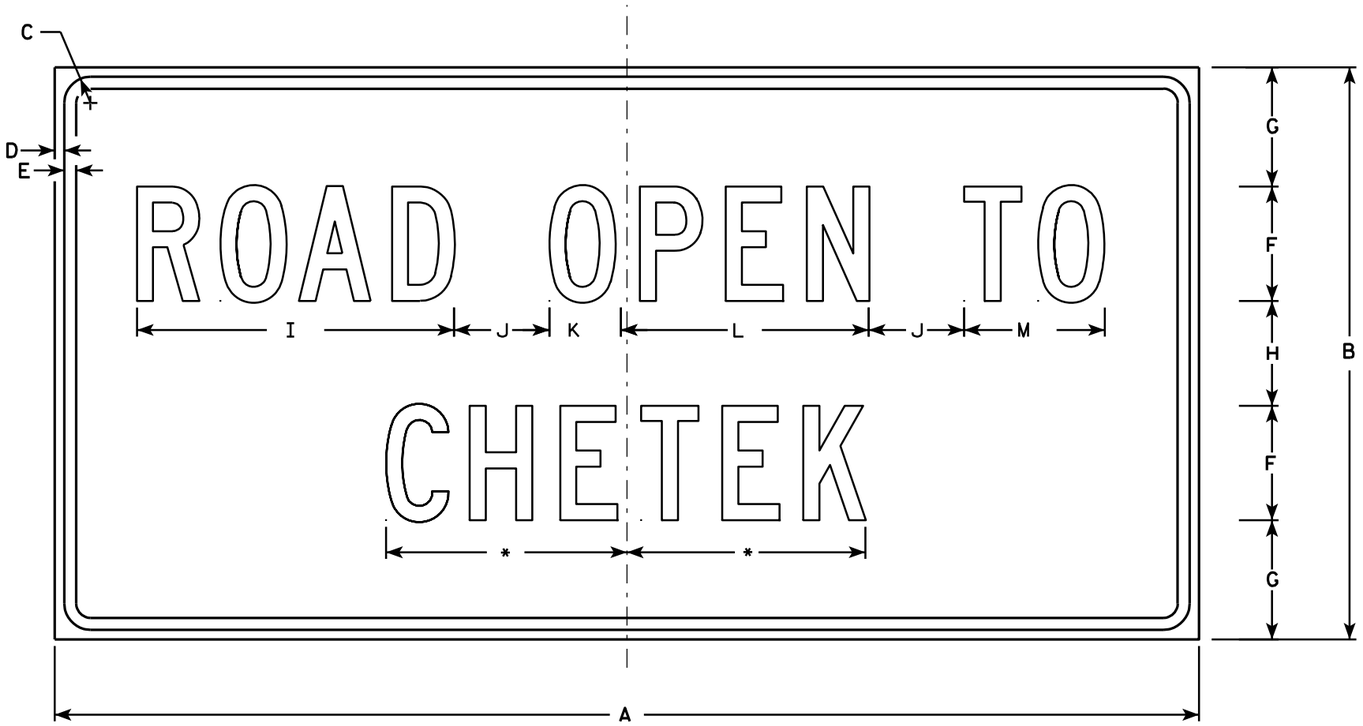
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 142 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R10-61

*See note 5

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate message and optically balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 3/8	1/2	5/8	4	5 1/2	5	10 3/4	2	2 1/8	8 3/8	4 5/8														6.0
2S	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
2M	60	30	1 3/8	1/2	5/8	6	6 1/4	5 1/2	16 5/8	5	3 3/4	13	7 3/8														12.5
3																											
4																											
5																											

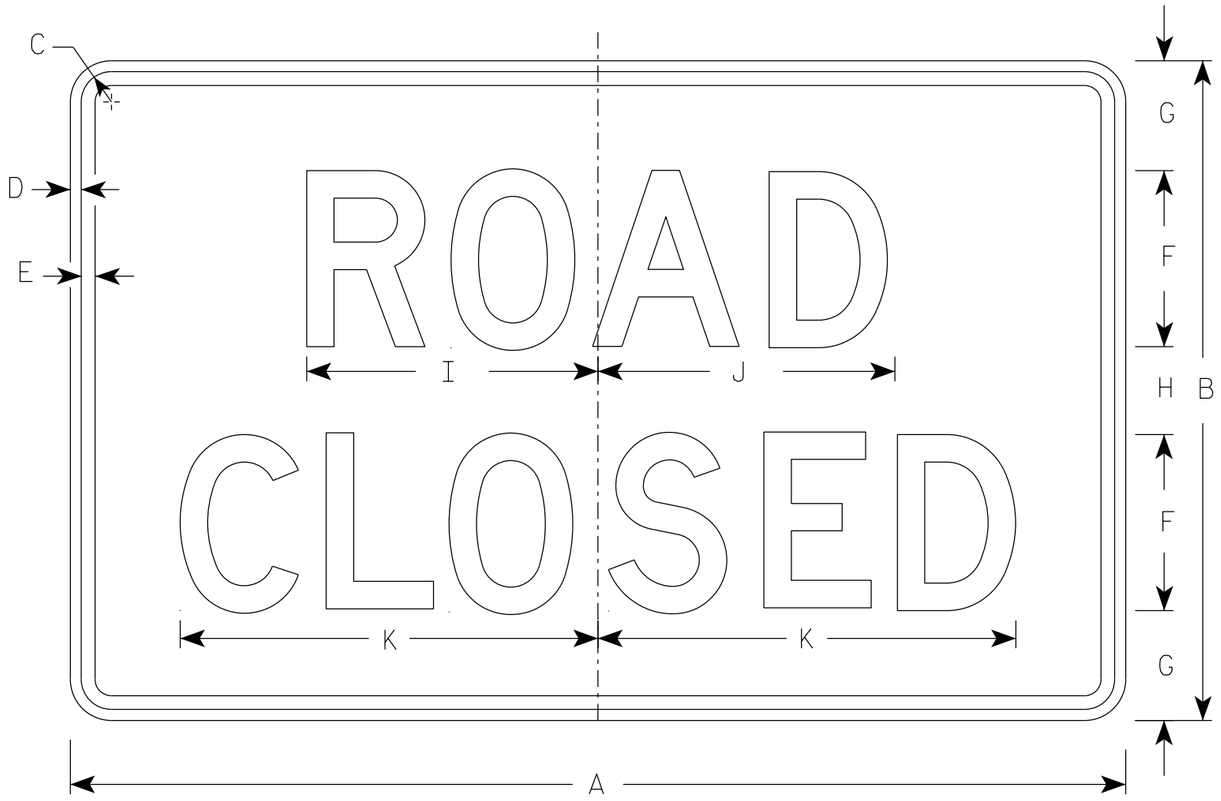
STANDARD SIGN
R10-61

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-61.5

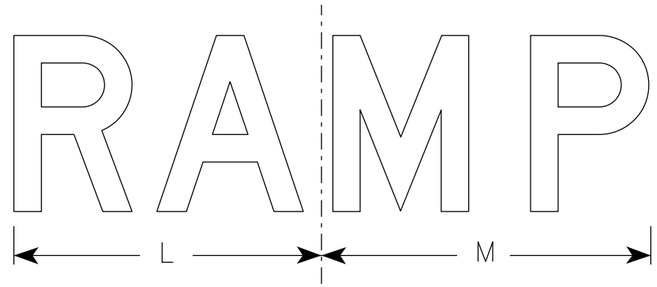
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 143	E



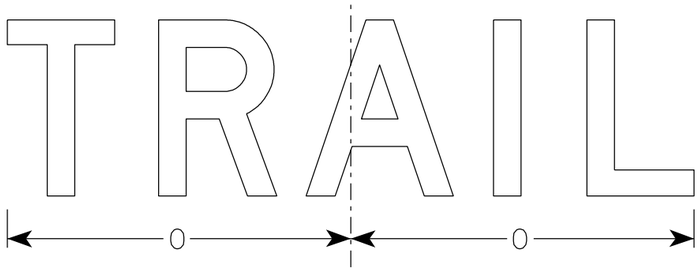
R11-2

NOTES

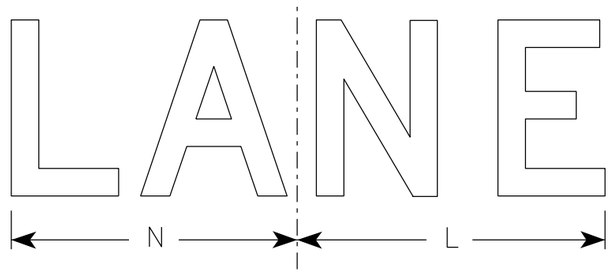
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

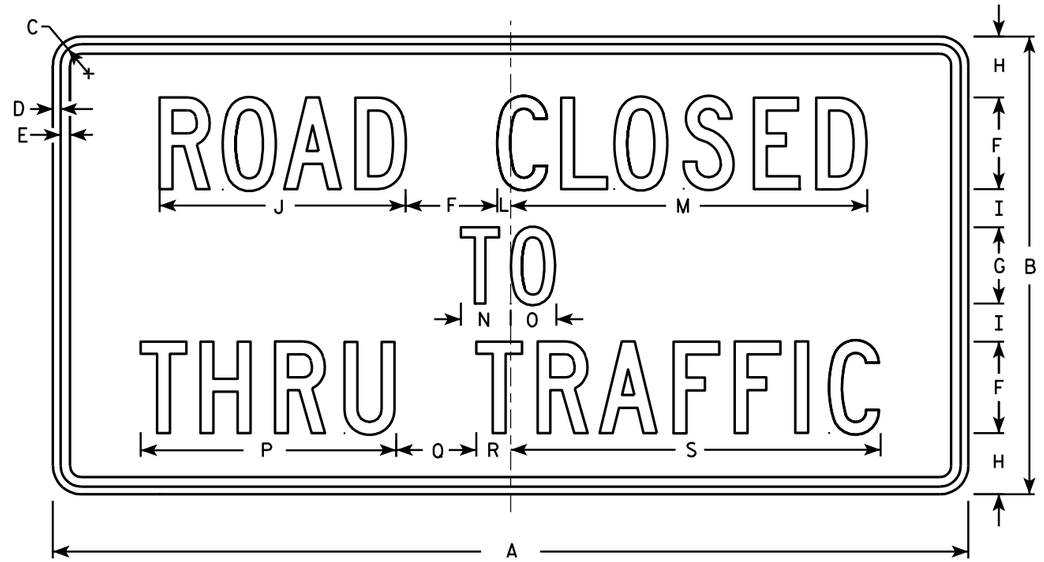
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 144 E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

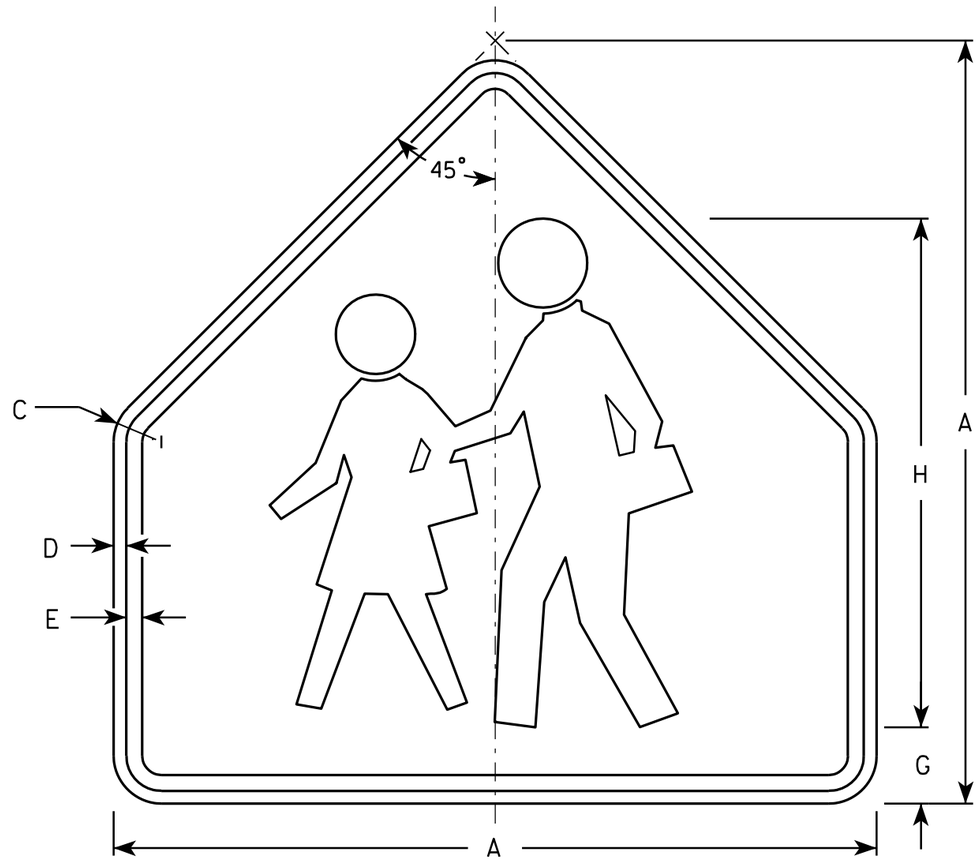
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 145 | E



S1-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

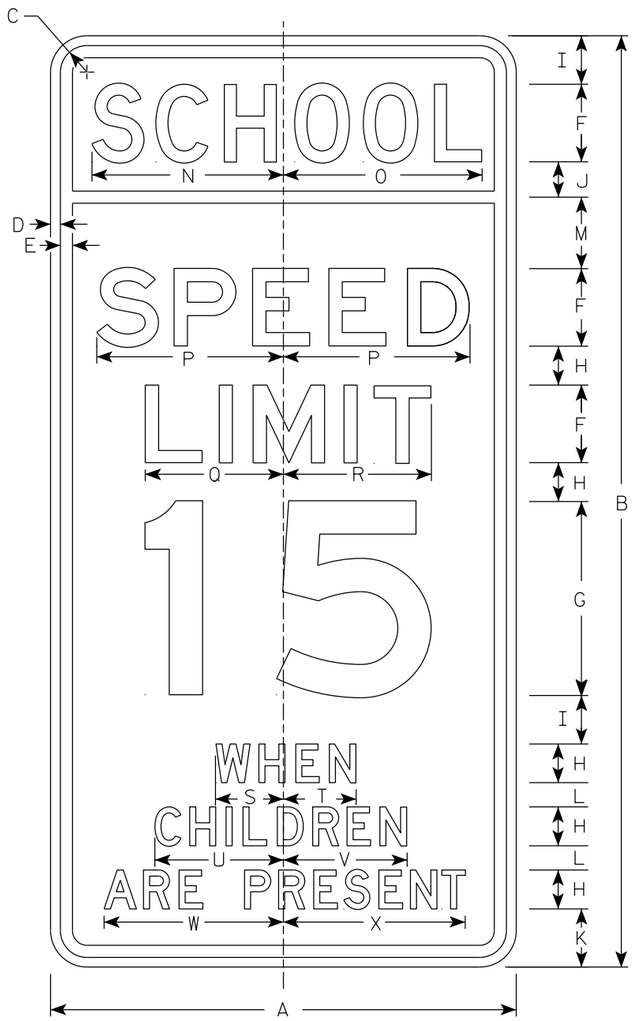
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 146	E



S4-51

NOTES

1. Sign is Type II - See Note 2 for Sheeting Type
2. Color:
   Background - See Note 4
   Message - Black
3. Message Series - See Note 5
4. Top panel (SCHOOL) background - Yellow Green - Type F Reflective
   Lower panel background - White - Type SH Reflective
5. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
6. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	48	1 3/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00
3	36	72	2 1/4	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00
4																											
5																											

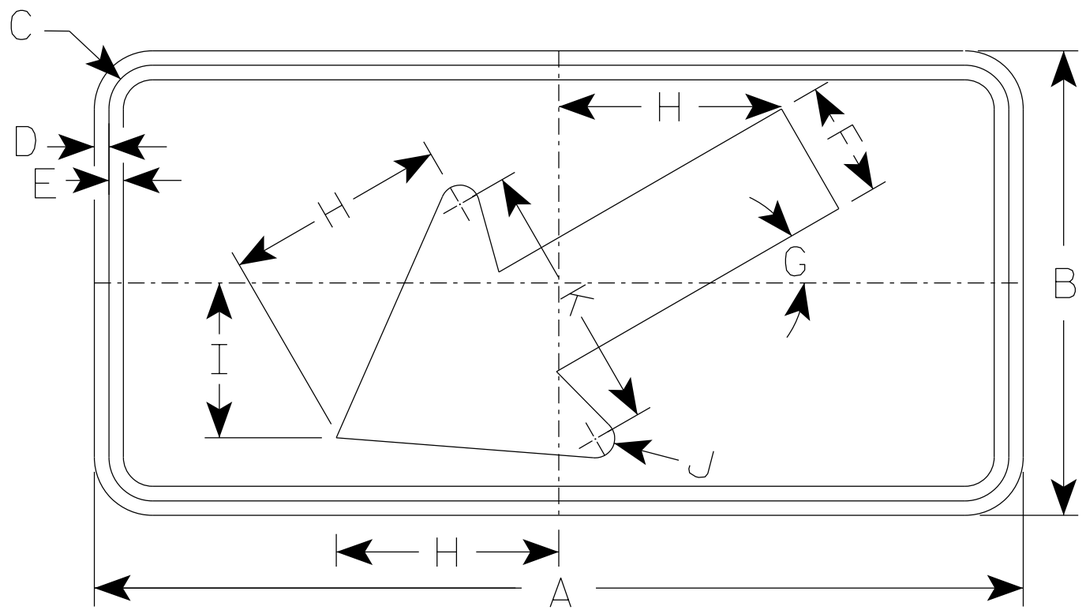
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/27/2020 PLATE NO. S4-51.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 147 E



S16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black
3. S16-7R are the same as S16-7L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

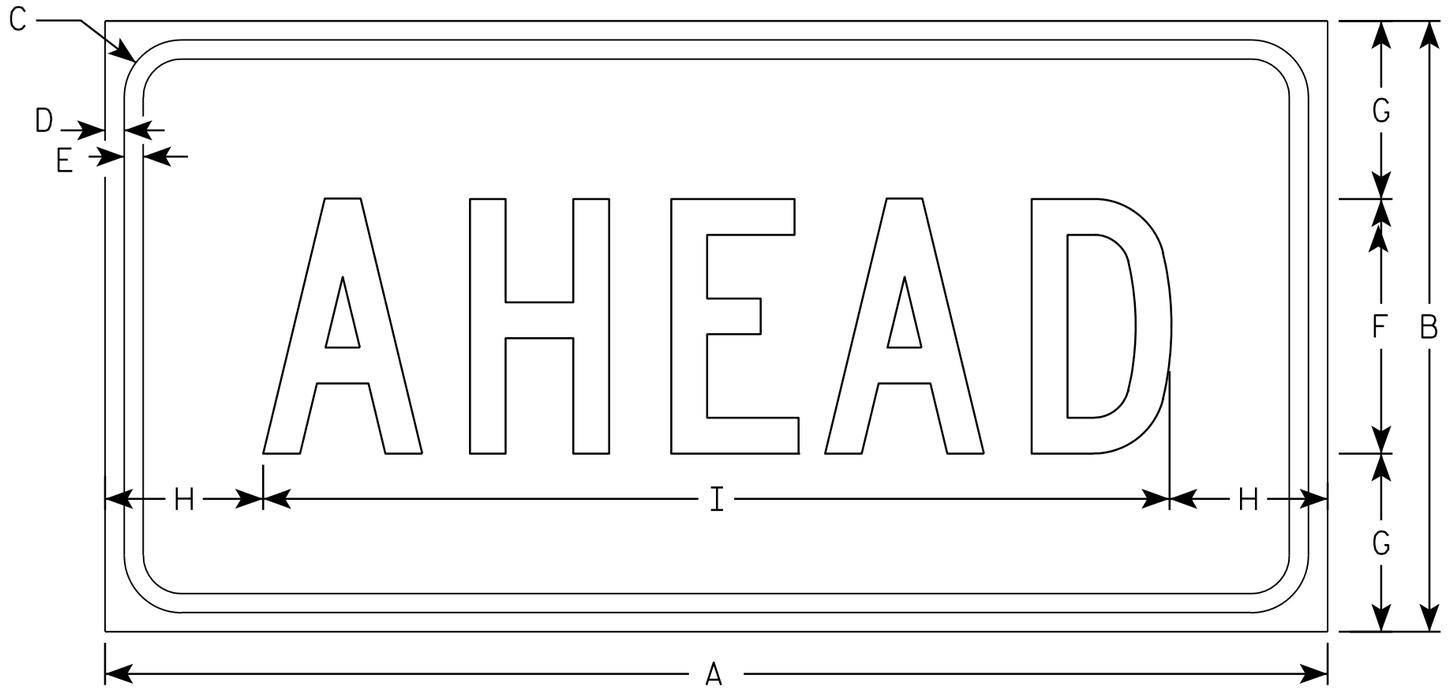
STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. S16-7.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 148 E



S16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

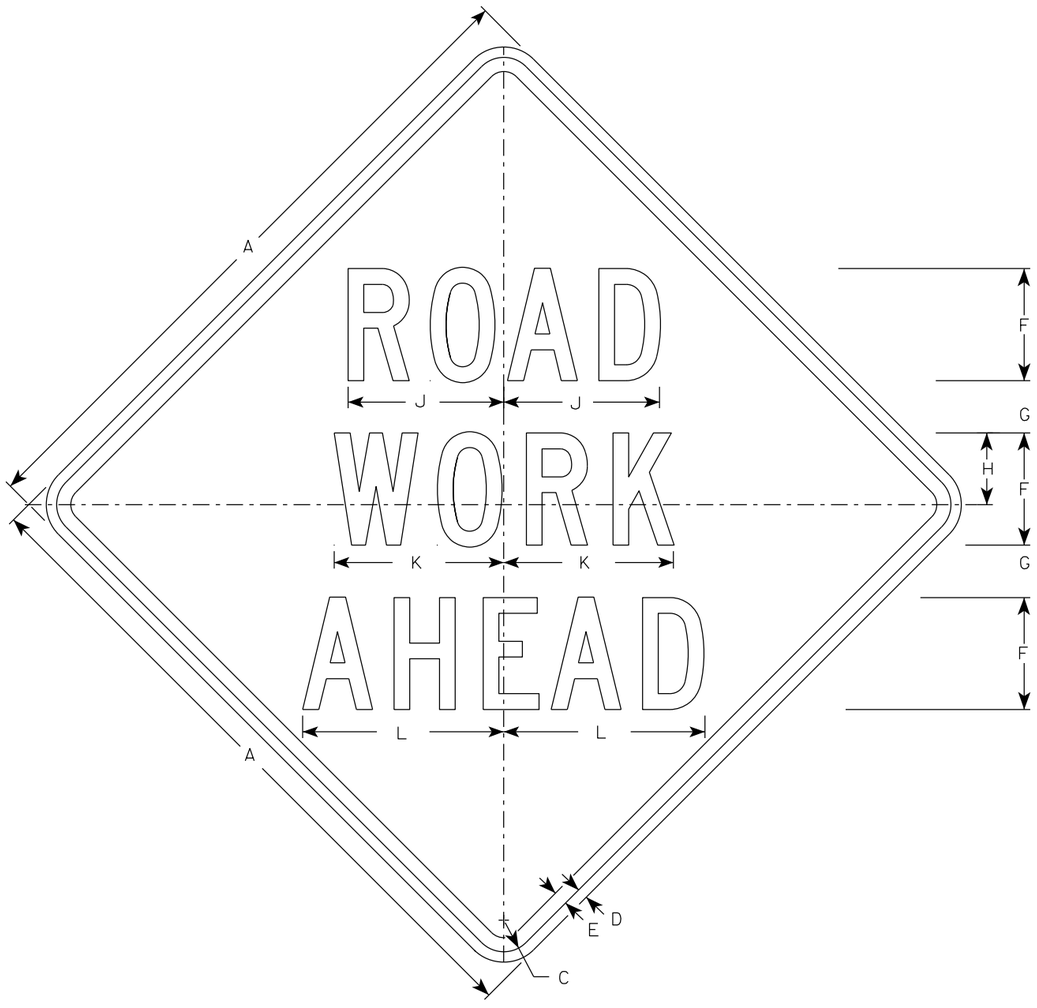
DATE 7/22/13 PLATE NO. S16-9P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 149 | E

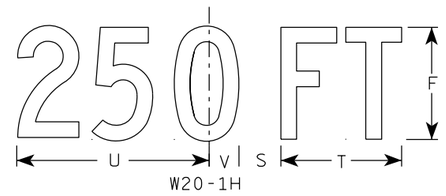
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\S169P.dgn PLOT DATE : 22-JUL-2013 10:32 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 2.977140:1.000000

NOTES

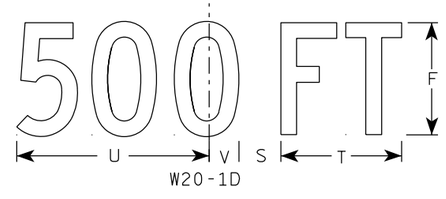
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



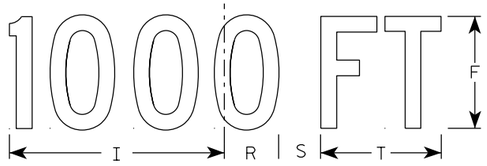
W20-1A



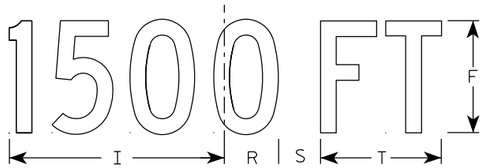
W20-1H



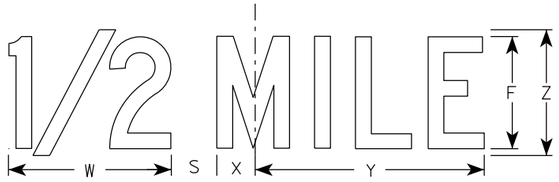
W20-1D



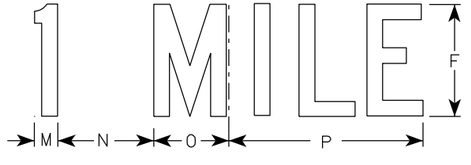
W20-1C



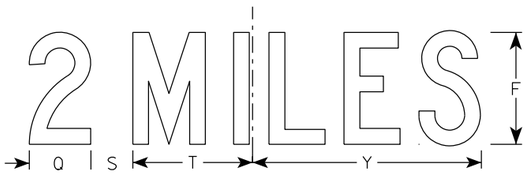
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

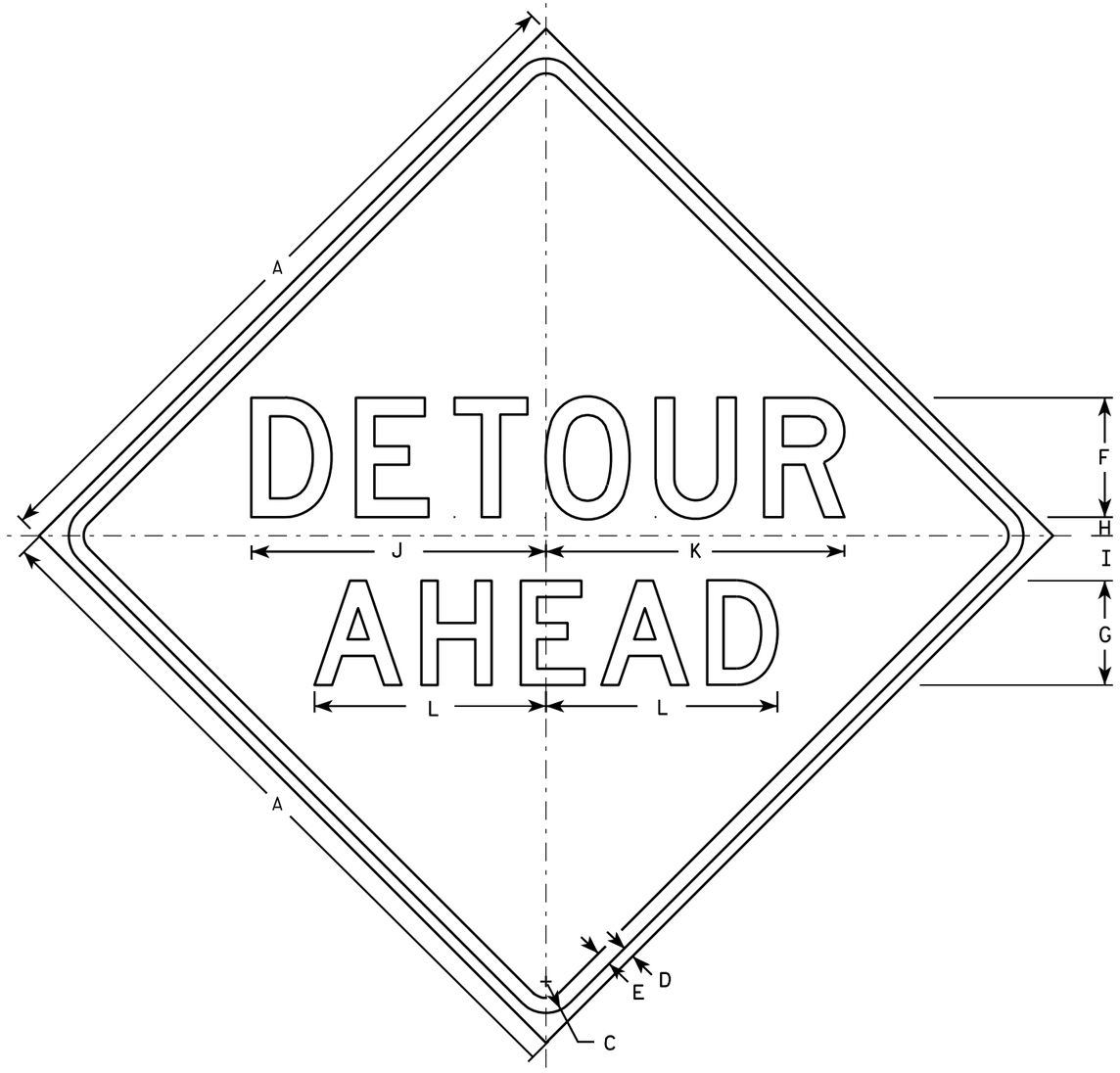
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

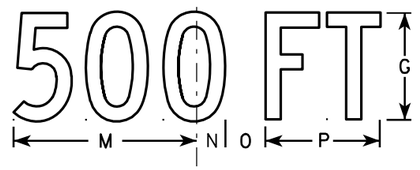
WISDOT/CADDS SHEET 42

7

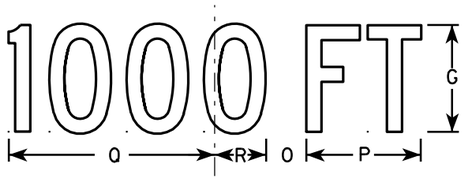
7



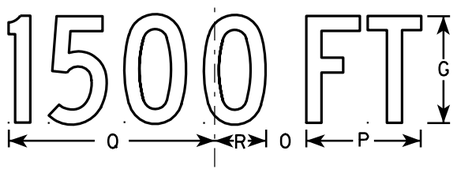
W20-2A



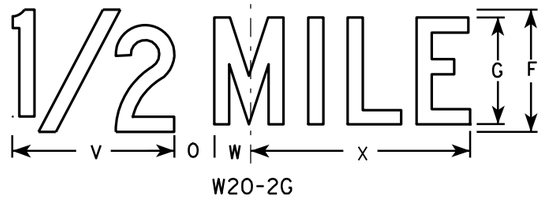
W20-2D



W20-2C



W20-2B



W20-2G

W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

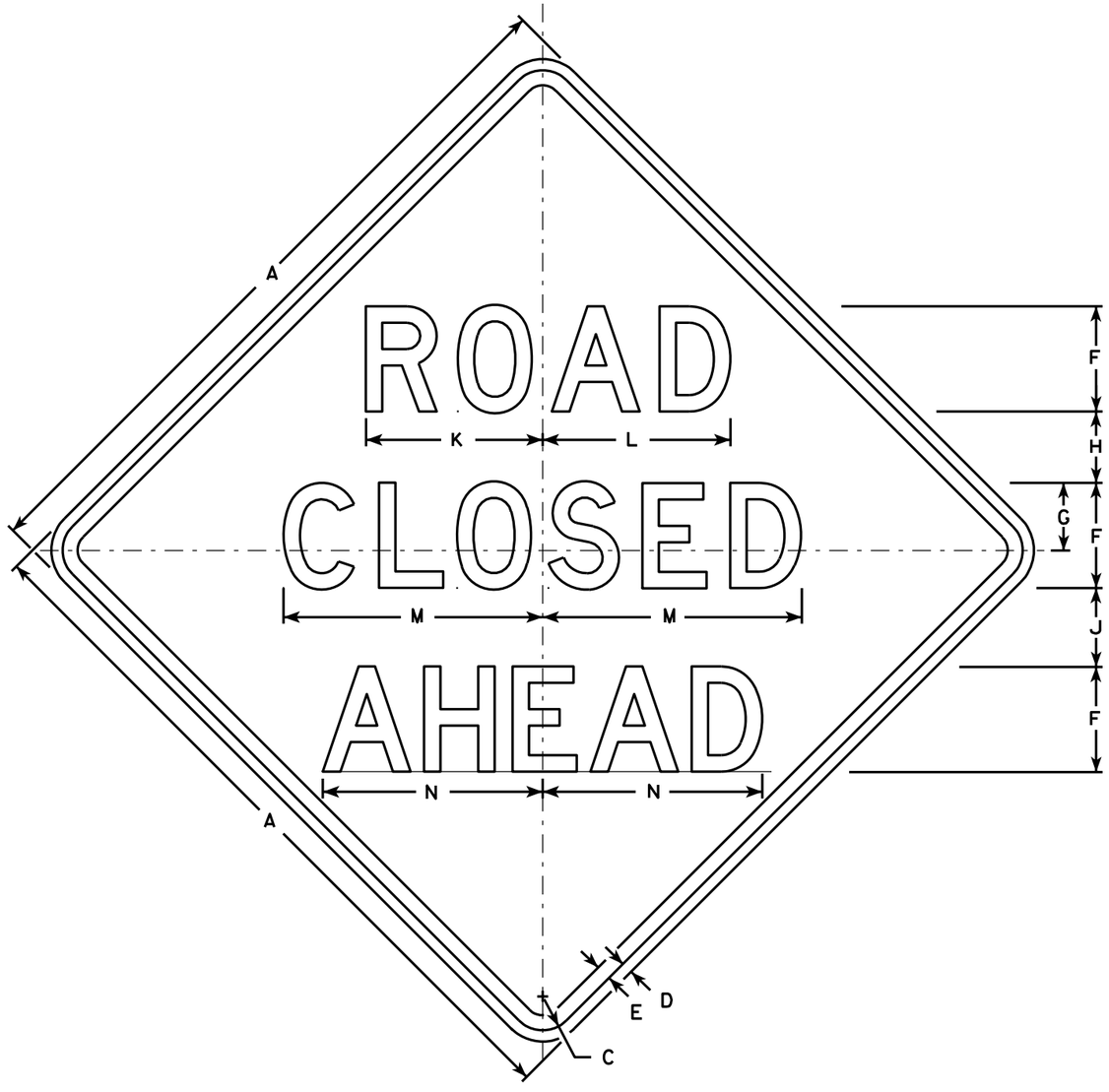
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

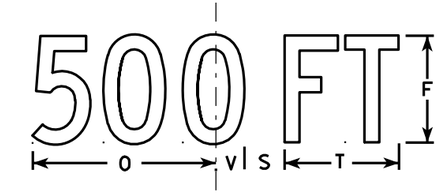
DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 151 | E

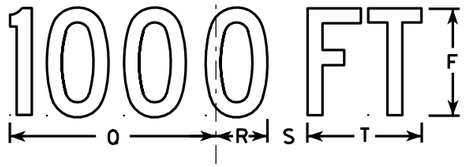
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



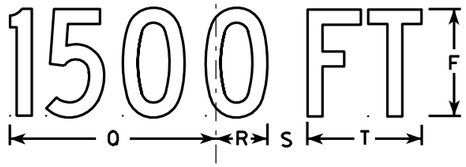
W20-3A



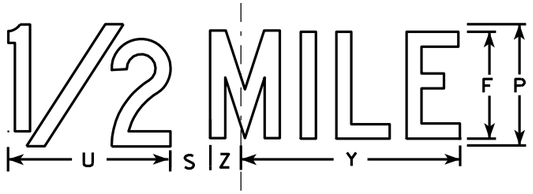
W20-3D



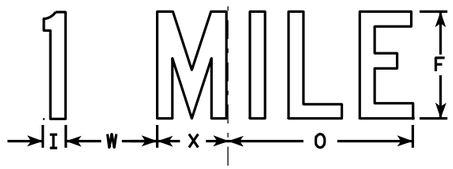
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 152 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000

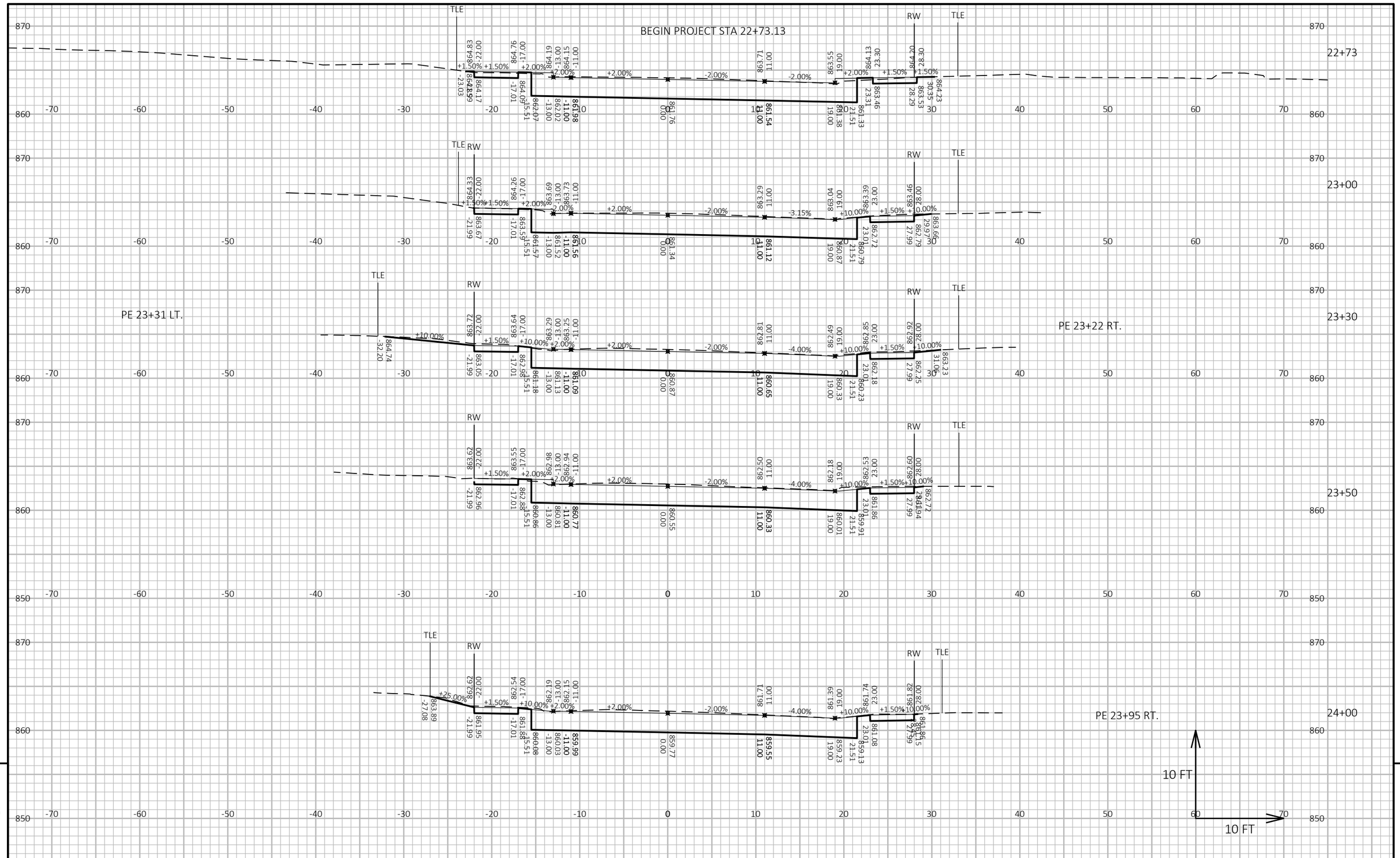
WISDOT/CADDS SHEET 42

7

7

DIVISION 1 - EAST DAVIS ALIGNMENT

STATION	REAL STATION	DISTANCE	AREA (SF)						INCREMENTAL VOL (CY) (UNADJUSTED)						CUMULATIVE VOL (CY)							
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	ROCK EXC	EBS	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	EXPANDED ROCK	EXPANDED EBS BACKFILL	REDUCED MARSH IN FILL	REDUCED EBS IN FILL	MASS ORDINATE
									NOTE 1	NOTE 2	NOTE 3				1.00 NOTE 1	1.25	NOTE 4 1.50	1.10	NOTE 5 1.30	NOTE 6 0.60	NOTE 7 0.80	NOTE 8
22+66	2266.00	0.00	0.00	0.00	0.77	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23+00	2300.00	34.00	92.37	0.00	0.11	0.00	0.00	0.00	58	0	1	0	0	0	58	1	0	0	0	0	0	57
23+30	2330.00	30.00	95.61	0.00	0.05	0.00	0.00	0.00	104	0	0	0	0	0	162	1	0	0	0	0	0	161
23+50	2350.00	20.00	93.85	0.00	0.18	0.00	0.00	0.00	70	0	0	0	0	0	232	1	0	0	0	0	0	231
24+00	2400.00	50.00	93.96	0.00	0.00	0.00	0.00	0.00	174	0	0	0	0	0	406	1	0	0	0	0	0	405
24+07	2407.00	7.00	93.51	0.00	0.06	0.00	0.00	0.00	24	0	0	0	0	0	430	1	0	0	0	0	0	429
24+50	2450.00	43.00	91.02	0.00	0.22	0.00	0.00	0.00	147	0	0	0	0	0	577	1	0	0	0	0	0	576
24+74	2474.00	24.00	91.95	0.00	0.05	0.00	0.00	0.00	81	0	0	0	0	0	658	1	0	0	0	0	0	657
25+00	2500.00	26.00	91.22	0.00	0.18	0.00	0.00	0.00	88	0	0	0	0	0	746	1	0	0	0	0	0	745
25+31	2531.00	31.00	90.99	0.00	0.30	0.00	0.00	0.00	105	0	0	0	0	0	851	1	0	0	0	0	0	850
25+50	2550.00	19.00	90.29	0.00	0.35	0.00	0.00	0.00	64	0	0	0	0	0	915	1	0	0	0	0	0	914
26+00	2600.00	50.00	90.79	0.00	0.29	0.00	0.00	0.00	168	0	1	0	0	0	1,083	3	0	0	0	0	0	1,081
26+50	2650.00	50.00	92.17	0.00	0.00	0.00	0.00	0.00	169	0	0	0	0	0	1,252	3	0	0	0	0	0	1,250
27+00	2700.00	50.00	86.80	0.00	0.13	0.00	0.00	0.00	166	0	0	0	0	0	1,418	3	0	0	0	0	0	1,416
27+50	2750.00	50.00	87.24	0.00	0.55	0.00	0.00	0.00	161	0	1	0	0	0	1,579	4	0	0	0	0	0	1,575
27+71	2771.00	21.00	85.83	0.00	0.48	0.00	0.00	0.00	67	0	0	0	0	0	1,646	4	0	0	0	0	0	1,642
28+00	2800.00	29.00	85.18	0.00	1.42	0.00	0.00	0.00	92	0	1	0	0	0	1,738	5	0	0	0	0	0	1,733
28+25	2825.00	25.00	89.77	0.00	0.01	0.00	0.00	0.00	81	0	1	0	0	0	1,819	6	0	0	0	0	0	1,813
28+50	2850.00	25.00	91.18	0.00	0.50	0.00	0.00	0.00	84	0	0	0	0	0	1,903	6	0	0	0	0	0	1,897
29+00	2900.00	50.00	103.83	0.00	4.82	0.00	0.00	0.00	181	0	5	0	0	0	2,084	13	0	0	0	0	0	2,072
29+35	2935.00	35.00	212.60	0.00	0.00	0.00	0.00	0.00	205	0	3	0	0	0	2,289	16	0	0	0	0	0	2,273
29+67.75	2967.75	32.75	107.88	0.00	0.00	0.00	0.00	0.00	194	0	0	0	0	0	2,483	16	0	0	0	0	0	2,467
29+89	2989.00	21.25	99.85	0.00	0.00	0.00	0.00	0.00	82	0	0	0	0	0	2,565	16	0	0	0	0	0	2,549
30+00	3000.00	11.00	96.52	0.00	0.03	0.00	0.00	0.00	40	0	0	0	0	0	2,605	16	0	0	0	0	0	2,589
30+50	3050.00	50.00	94.77	0.00	0.29	0.00	0.00	0.00	177	0	0	0	0	0	2,782	16	0	0	0	0	0	2,766
30+80	3080.00	30.00	88.29	0.00	0.68	0.00	0.00	0.00	102	0	1	0	0	0	2,884	18	0	0	0	0	0	2,867
31+00	3100.00	20.00	82.75	0.00	0.92	0.00	0.00	0.00	63	0	1	0	0	0	2,947	19	0	0	0	0	0	2,928
31+50	3150.00	50.00	82.61	0.00	0.49	0.00	0.00	0.00	153	0	1	0	0	0	3,100	20	0	0	0	0	0	3,080
32+00	3200.00	50.00	88.73	0.00	0.83	0.00	0.00	0.00	159	0	1	0	0	0	3,259	21	0	0	0	0	0	3,238
32+20	3220.00	20.00	89.30	0.00	0.46	0.00	0.00	0.00	66	0	0	0	0	0	3,325	21	0	0	0	0	0	3,304
32+50	3250.00	30.00	76.69	0.00	0.10	0.00	0.00	0.00	92	0	0	0	0	0	3,417	21	0	0	0	0	0	3,396
32+80	3280.00	30.00	155.93	0.00	0.00	0.00	0.00	0.00	129	0	0	0	0	0	3,546	21	0	0	0	0	0	3,525
33+08	3308.00	28.00	79.08	0.00	0.28	0.00	0.00	0.00	122	0	0	0	0	0	3,668	21	0	0	0	0	0	3,647
33+50	3350.00	42.00	86.96	0.00	0.49	0.00	0.00	0.00	129	0	1	0	0	0	3,797	23	0	0	0	0	0	3,775
33+93	3393.00	43.00	88.91	0.00	0.25	0.00	0.00	0.00	140	0	1	0	0	0	3,937	24	0	0	0	0	0	3,913
34+40	3440.00	47.00	92.54	0.00	0.09	0.00	0.00	0.00	158	0	0	0	0	0	4,095	24	0	0	0	0	0	4,071
34+50	3450.00	10.00	91.35	0.00	0.27	0.00	0.00	0.00	34	0	0	0	0	0	4,129	24	0	0	0	0	0	4,105
34+90	3490.00	40.00	94.32	0.00	0.02	0.00	0.00	0.00	138	0	0	0	0	0	4,267	24	0	0	0	0	0	4,243
35+00	3500.00	10.00	93.22	0.00	0.18	0.00	0.00	0.00	35	0	0	0	0	0	4,302	24	0	0	0	0	0	4,278
35+30	3530.00	30.00	95.65	0.00	0.00	0.00	0.00	0.00	105	0	0	0	0	0	4,407	24	0	0	0	0	0	4,383
35+50	3550.00	20.00	88.21	0.00	0.24	0.00	0.00	0.00	68	0	0	0	0	0	4,475	24	0	0	0	0	0	4,451
35+67	3567.00	17.00	87.26	0.00	0.08	0.00	0.00	0.00	55	0	0	0	0	0	4,530	24	0	0	0	0	0	4,506
36+00	3600.00	33.00	89.17	0.00	0.53	0.00	0.00	0.00	108	0	0	0	0	0	4,638	24	0	0	0	0	0	4,614
36+50	3650.00	50.00	95.36	0.00	0.00	0.00	0.00	0.00	171	0	0	0	0	0	4,809	24	0	0	0	0	0	4,785
36+75	3675.00	25.00	101.88	0.00	0.21	0.00	0.00	0.00	91	0	0	0	0	0	4,900	24	0	0	0	0	0	4,876
37+00	3700.00	25.00	97.22	0.00	0.28	0.00	0.00	0.00	92	0	0	0	0	0	4,992	24	0	0	0	0	0	4,968
37+40	3740.00	40.00	97.77	0.00	0.42	0.00	0.00	0.00	144	0	1	0	0	0	5,136	25	0	0	0	0	0	5,111
37+80	3780.00	40.00	95.41	0.00	0.20	0.00	0.00	0.00	143	0	0	0	0	0	5,279	25	0	0	0	0	0	5,254
38+00	3800.00	20.00	92.76	0.00	0.57	0.00	0.00	0.00	70	0	0	0	0	0	5,349	25	0	0	0	0	0	5,324
38+10	3810.00	10.00	94.04	0.00	0.55	0.00	0.00	0.00	35	0	0	0	0	0	5,384	25	0	0	0	0	0	5,359
38+25	3825.00	15.00	93.03	0.00	0.17	0.00	0.00	0.00	52	0	0	0	0	0	5,436	25	0	0	0	0	0	5,411
38+50	3850.00	25.00	92.37	0.00	0.23	0.00	0.00	0.00	86	0	0	0	0	0	5,522	25	0	0	0	0	0	5,497
38+75	3875.00	25.00	93.71	0.00	0.00	0.00	0.00	0.00	86	0	0	0	0	0	5,608	25	0	0	0	0	0	5,583
39+00	3900.00	25.00	91.74	0.00	0.38	0.00	0.00	0.00	86	0	0	0	0	0	5,694	25	0	0	0	0	0	5,669
39+50	3950.00	50.00	87.37	0.00	1.33	0.00	0.00	0.00	166	0	2	0	0	0	5,860	28	0	0	0	0	0	5,833
39+73	3973.00	23.00	79.11	0.00	0.26	0.00	0.00	0.00	71	0	1	0	0	0	5,931	29	0	0	0	0	0	5,902
40+08.355	4008.35	35.35	221.33	0.00	0.00	0.00	0.00	0.00	197	0	0	0	0	0	6,128	29	0	0	0	0	0	6,099
40+38	4038.00	29.65	83.21	0.00	0.44	0.00	0.00	0.00	167	0	0	0	0	0	6,295	29	0	0	0	0	0	6,266
40+50	4050.00	12.00	88.07	0.00	1.81	0.00	0.00	0.00	38	0	1	0	0	0	6,333	30	0	0	0	0	0	6,303
41+00	4100.00	50.00	96.65	0.00	1.05	0.00	0.00	0.00	171	0	3	0	0	0	6,504	34	0	0	0	0	0	6,470
41+10	4110.00	10.00	90.23	0.00	1.02	0.00	0.00	0.00	35	0	0	0	0	0	6,539	34	0	0	0	0	0	6,505
41+40	4140.00	30.00	86.95	0.00	0.89	0.00	0.00	0.00	98	0	1	0	0	0	6,637	35	0	0	0	0	0	6,602
41+50	4150.00	10.00	85.26	0.00	1.54	0.00	0.00	0.00	32	0	0	0	0	0	6,669	35	0	0	0	0	0	6,634
42+00	4200.00	50.00	84.65	0.00	0.69	0.00	0.00	0.00	157	0	2	0	0	0	6,826	38	0	0	0	0	0	6,789
42+50	4250.00	50.00	86.73	0.00	0.88	0.00	0.00	0.00	159	0	1	0	0	0	6,985	39	0	0	0	0	0	6,946
42+72	4272.00	22.00	87.10	0.00	0.67	0.00	0.00	0.00	71	0	1	0	0	0	7,056	40	0	0	0	0	0	7,016
43+00	4300.00	28.00	87.03	0.00	1.24	0.00	0.00	0.00	90	0	1	0	0	0	7,146	41	0	0	0	0	0	7,105
43+50	4350.00	50.00	90.34	0.00	1.02	0.00	0.00	0.00	164	0	2	0	0	0	7,310	44	0	0	0	0	0	7,266
43+71	4371.00	21.00	93.81	0.00	0.29	0.00	0.00	0.00	72	0	1	0	0	0	7,382	45	0	0	0	0	0	7,337
44+00	4400.00	29.00	86.89	0.00	2.42	0.00	0.00	0.00	97	0	1	0	0	0	7,479	46	0	0	0	0	0	7,433
44+40	4440.00	40.00	85.43	0.00	0.09	0.00	0.00	0.00	128	0	2	0	0	0	7,607	49	0	0	0	0	0	7,558
44+50	4450.00	10.00	84.83	0.00	2.08	0.00	0.00	0.00	32	0	0	0	0	0	7,639	49	0	0	0	0	0	7,590
44+61	4461.00	11.00	123.24	0.00	3.22	0.00	0.00	0.00	42	0	1	0	0	0	7,681	50	0	0	0	0	0	7,631
44+73.548	4473.55	12.55	44.30	0.00	0.00	0.00	0.00	0.00	39	0	1	0	0	0	7,720	51	0	0	0	0	0	7,669



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PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 154	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 090201xs

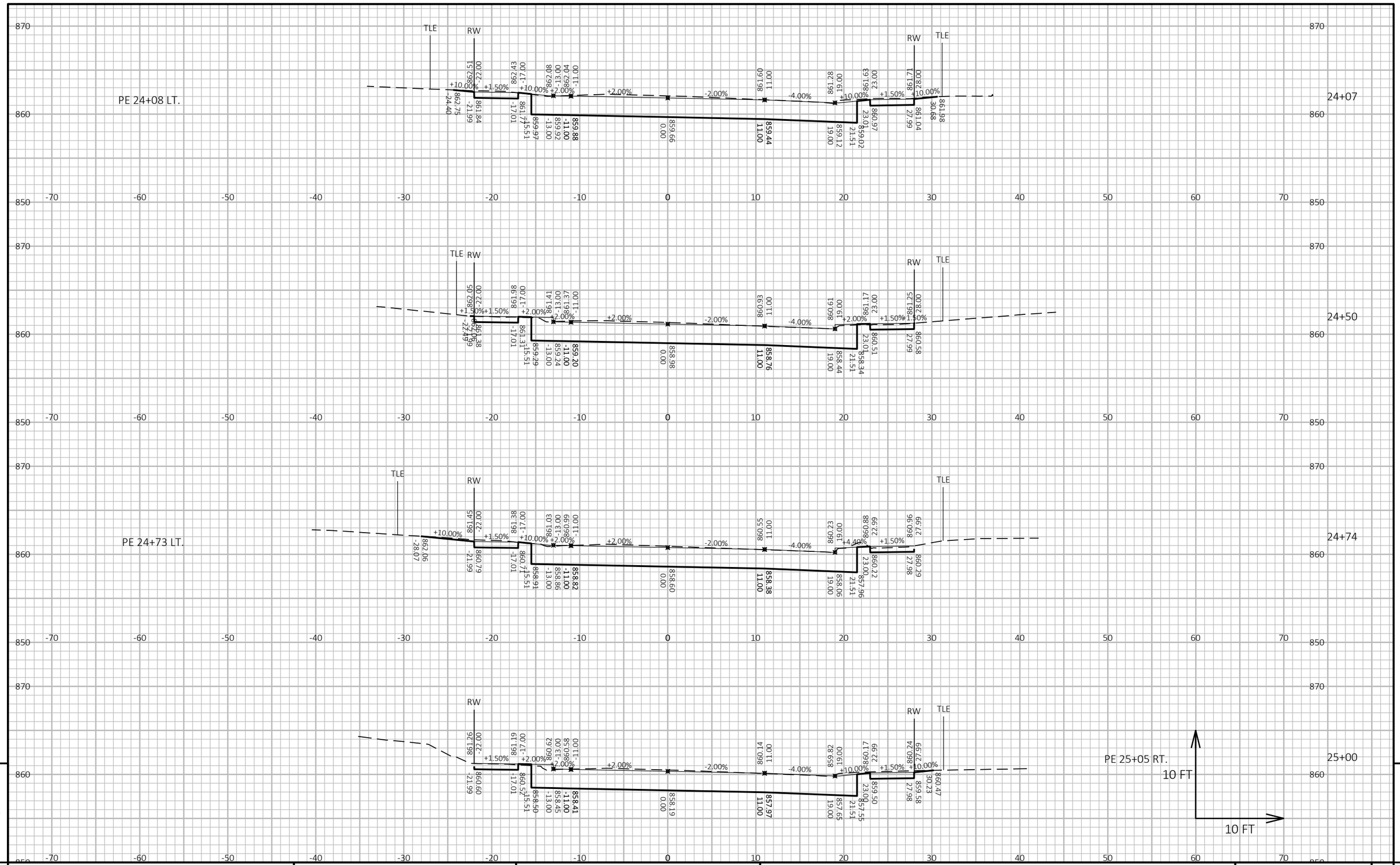
PLOT DATE : 7/20/2021 4:08 PM

PLOT BY : JAIME KURTEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 155	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 090202xs

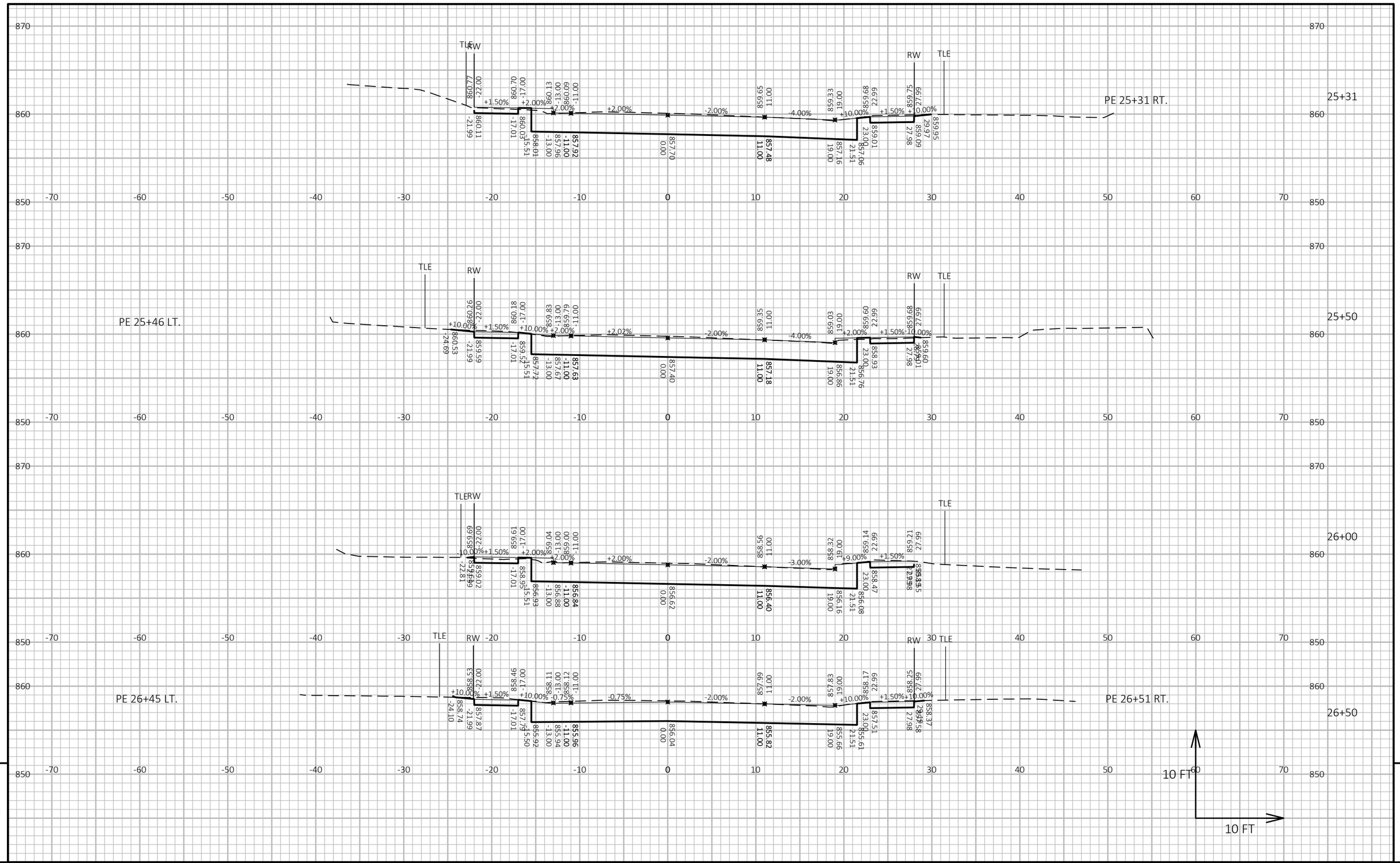
PLOT DATE : 7/20/2021 4:08 PM

PLOT BY : JAIME KURTEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 156	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 090203xs

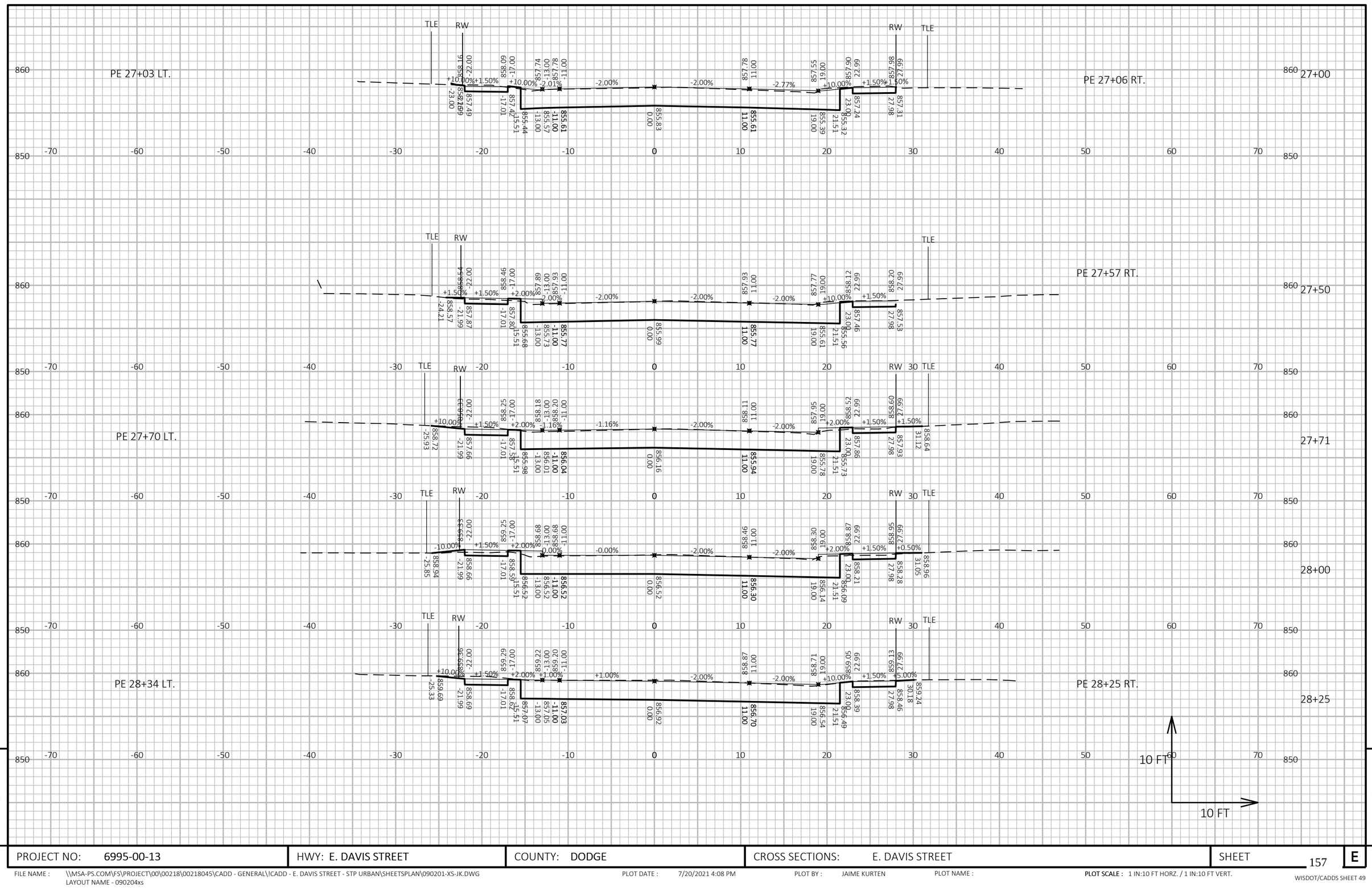
PLOT DATE : 7/20/2021 4:08 PM

PLOT BY : JAIME KURTEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 157	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 090204xs

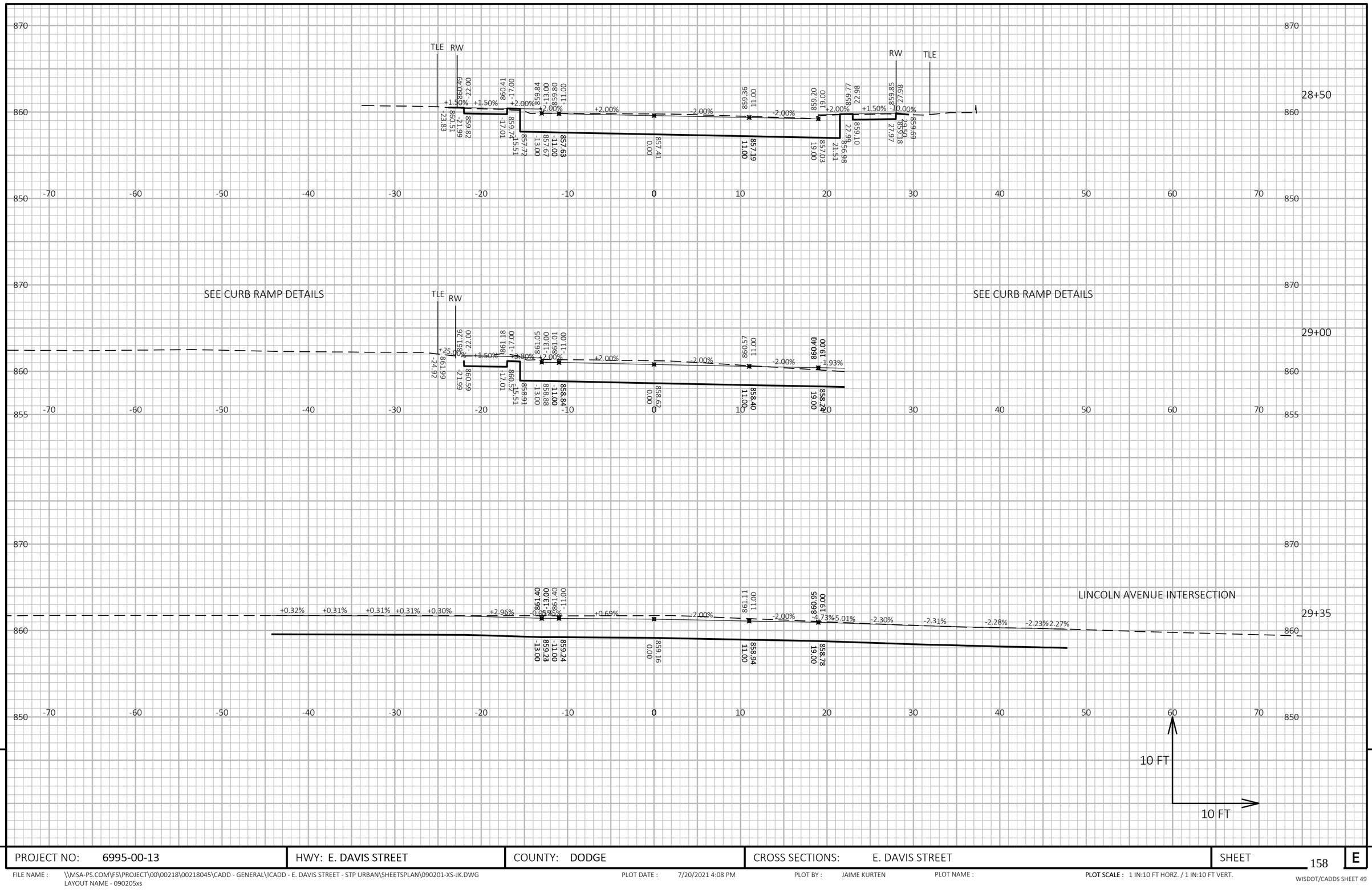
PLOT DATE : 7/20/2021 4:08 PM

PLOT BY : JAIME KURTEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

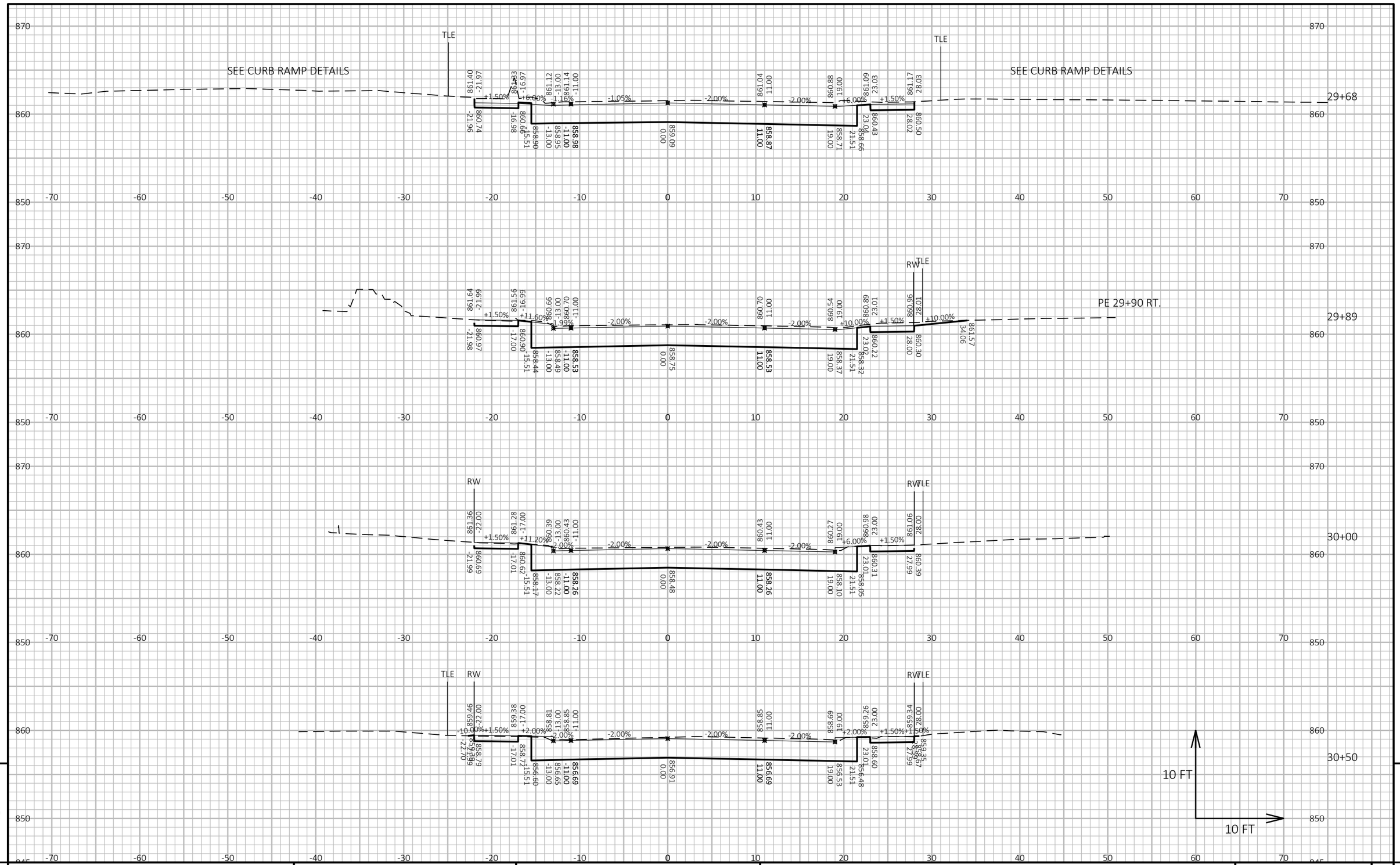


PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 158 E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 090205xs

PLOT DATE : 7/20/2021 4:08 PM PLOT BY : JAIME KURTEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

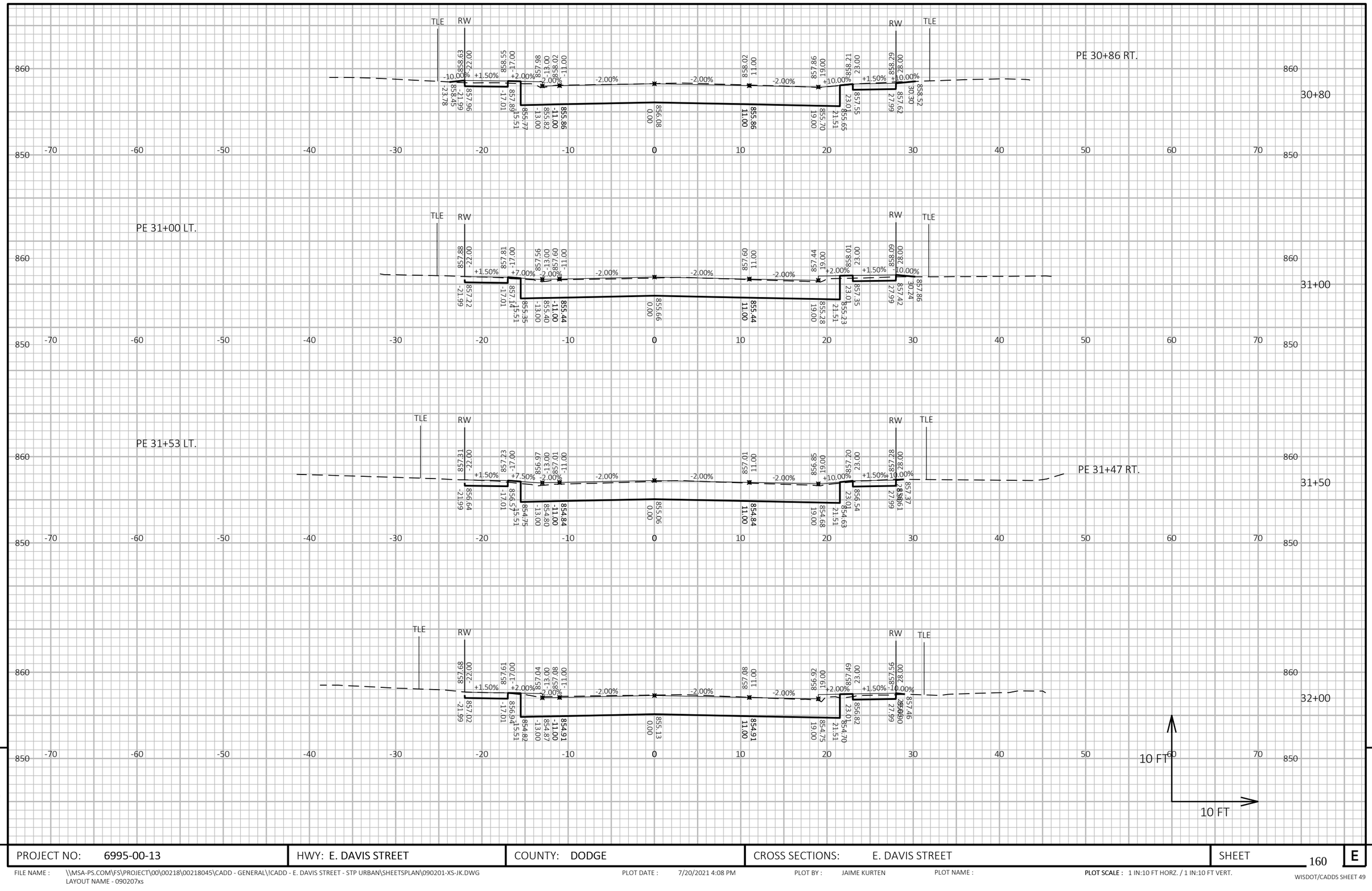


PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 159 E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 090206xs

PLOT DATE : 7/20/2021 4:08 PM | PLOT BY : JAIME KURTEN | PLOT NAME : | **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 160	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 090207xs

PLOT DATE : 7/20/2021 4:08 PM PLOT BY : JAIME KURTEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PE 32+21 LT.

32+20

32+50

SEE CURB RAMP DETAILS

PE 32+80 LT.

JEFFERSON STREET INTERSECTION
PE 32+80 LT.

32+80

PE 33+07 LT.

SEE CURB RAMP DETAILS

33+08

33+50

10 FT

10 FT

9

9

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 161	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 090208xs

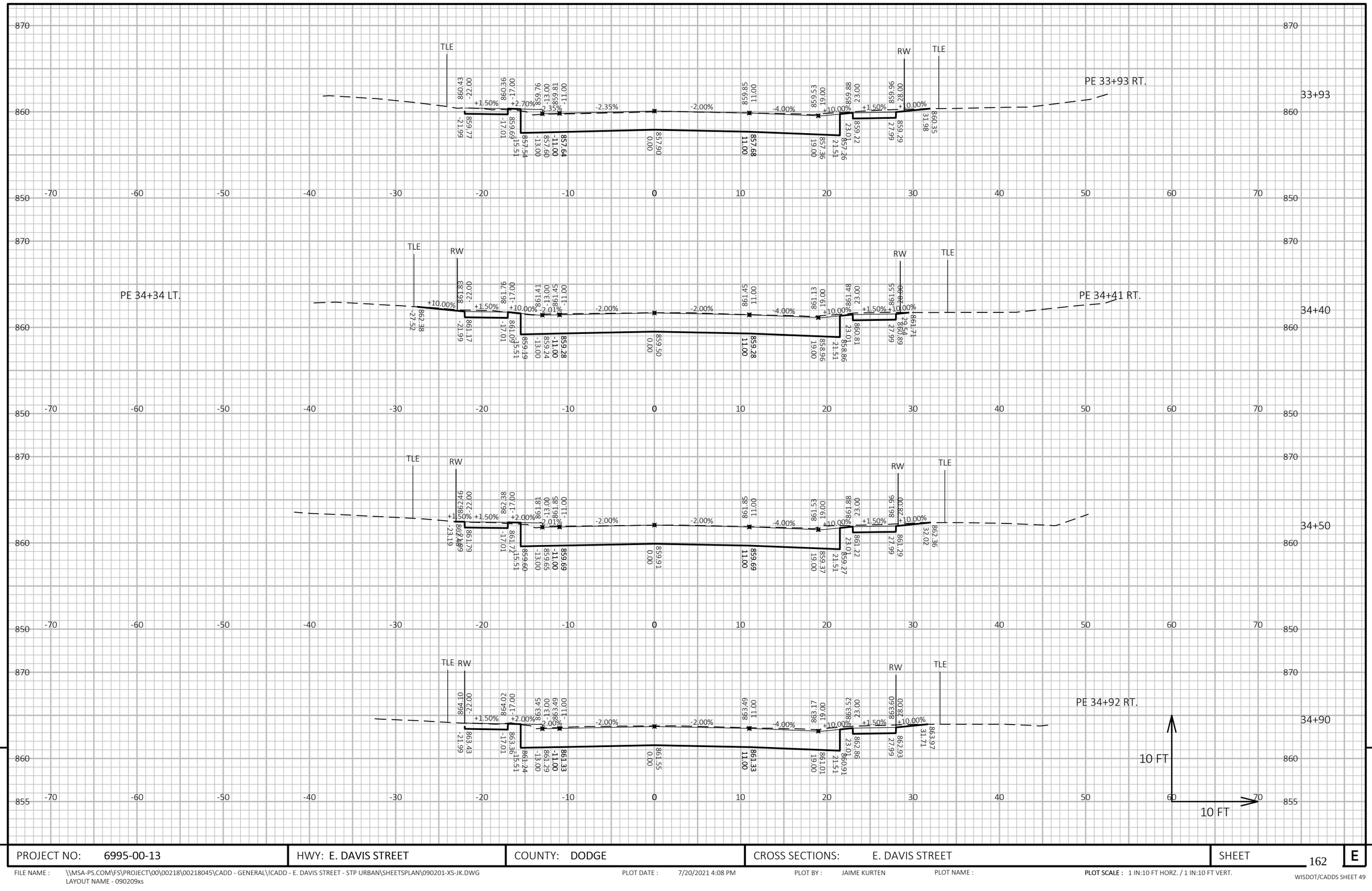
PLOT DATE : 7/20/2021 4:08 PM

PLOT BY : JAIME KURTEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

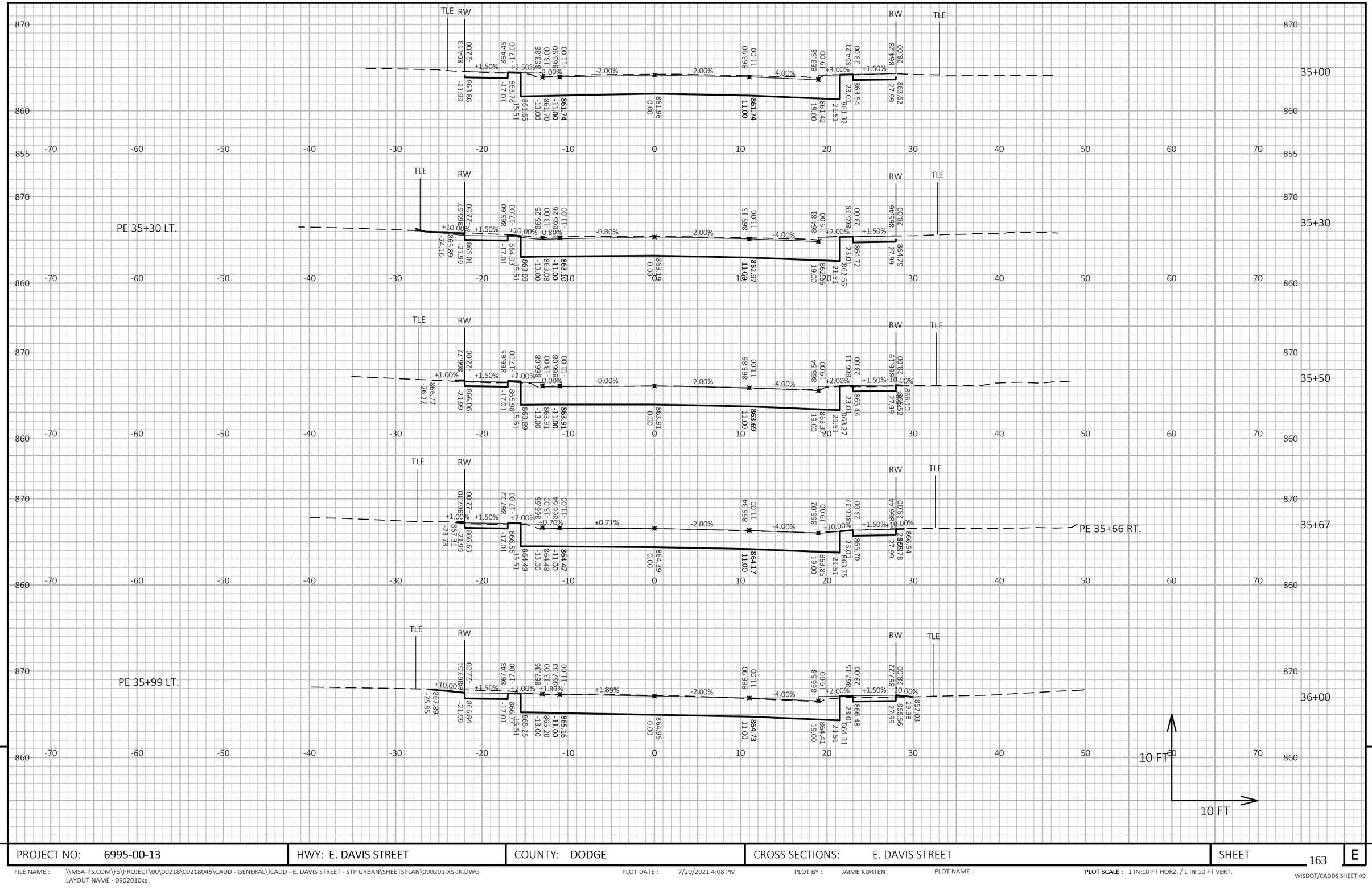


PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 162 E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 090209xs

PLOT DATE : 7/20/2021 4:08 PM PLOT BY : JAIME KURTEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

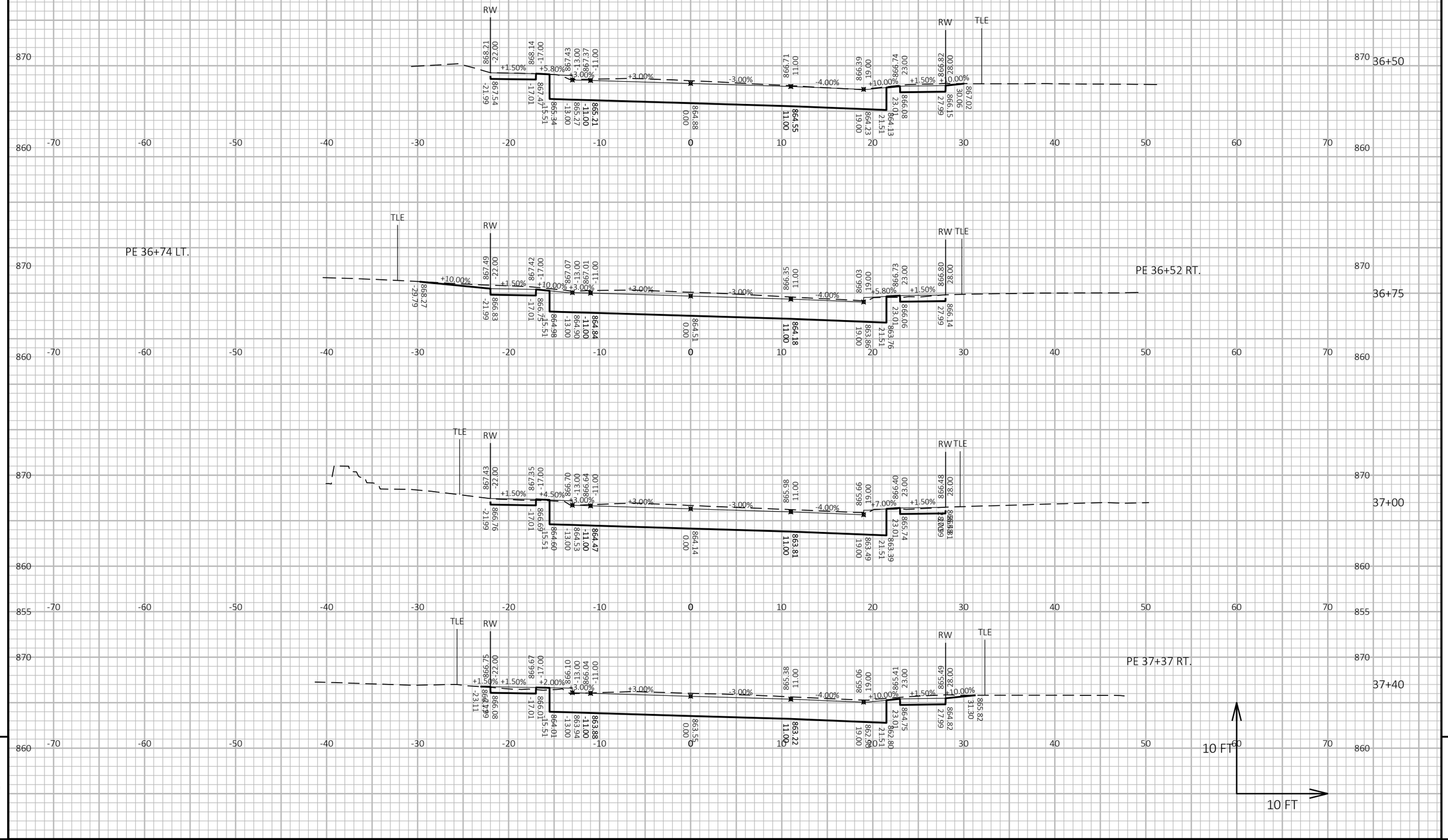


PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 163	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 0902010xs

PLOT DATE : 7/20/2021 4:08 PM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 164	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 0902011xs

PLOT DATE : 7/20/2021 4:08 PM PLOT BY : JAIME KURTEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

PE 37+77 LT.

37+80

PE 38+12 RT.

38+10

PE 38+25 LT.

38+25

10 FT

10 FT

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 165	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 0902012xs

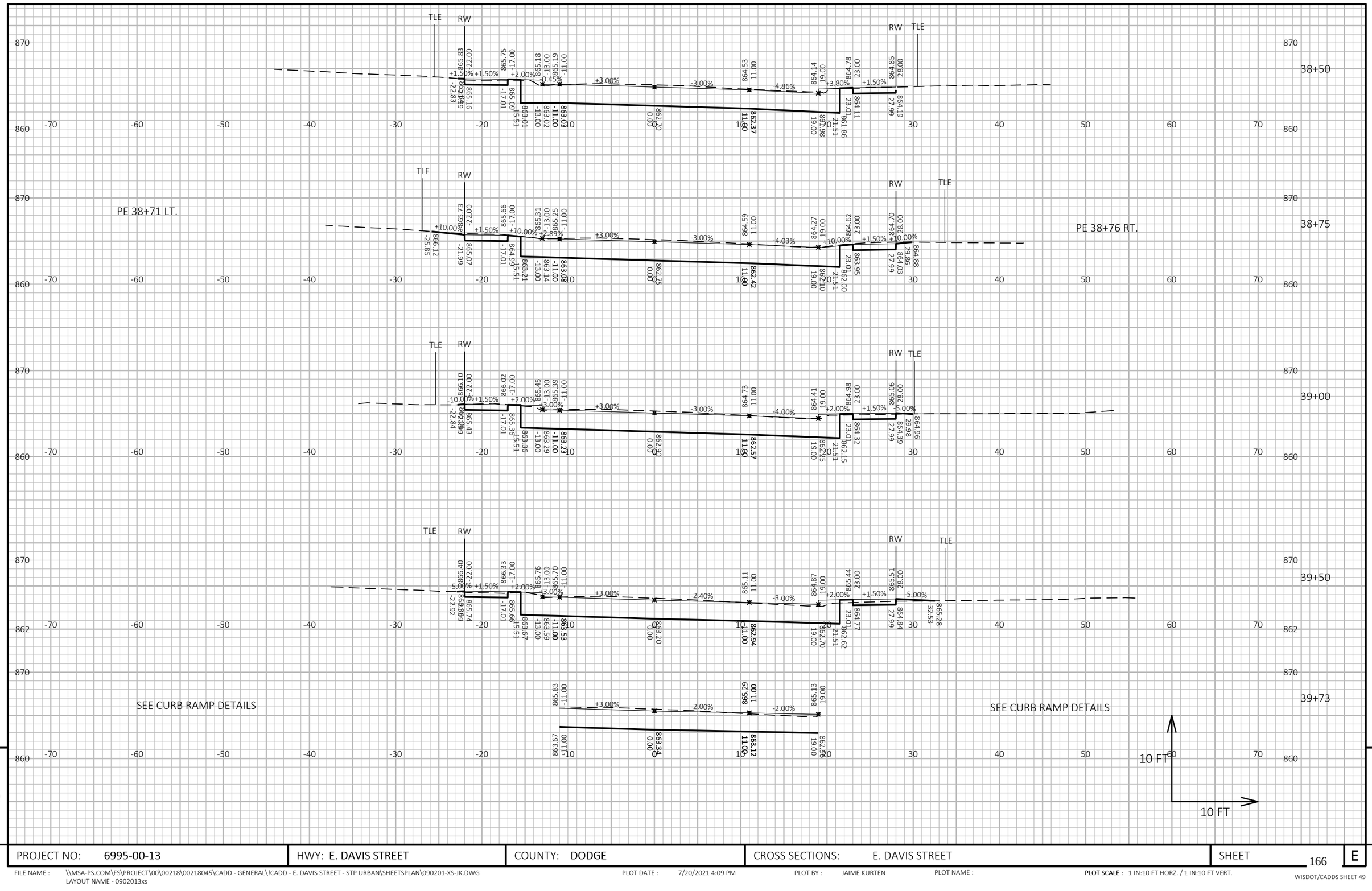
PLOT DATE : 7/20/2021 4:09 PM

PLOT BY : JAIME KURTEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 166	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 0902013xs

PLOT DATE : 7/20/2021 4:09 PM PLOT BY : JAIME KURTEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

ROEDL COURT
INTERSECTION

40+08

SEE CURB RAMP DETAILS

SEE CURB RAMP DETAILS

40+39

TLE

RW

TLE

40+50

TLE

RW

41+00

PE 41+10 LT.

41+10

TLE

RW

41+40

PE 41+37 RT.

10 FT

10 FT

9

9

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 167	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 0902014xs

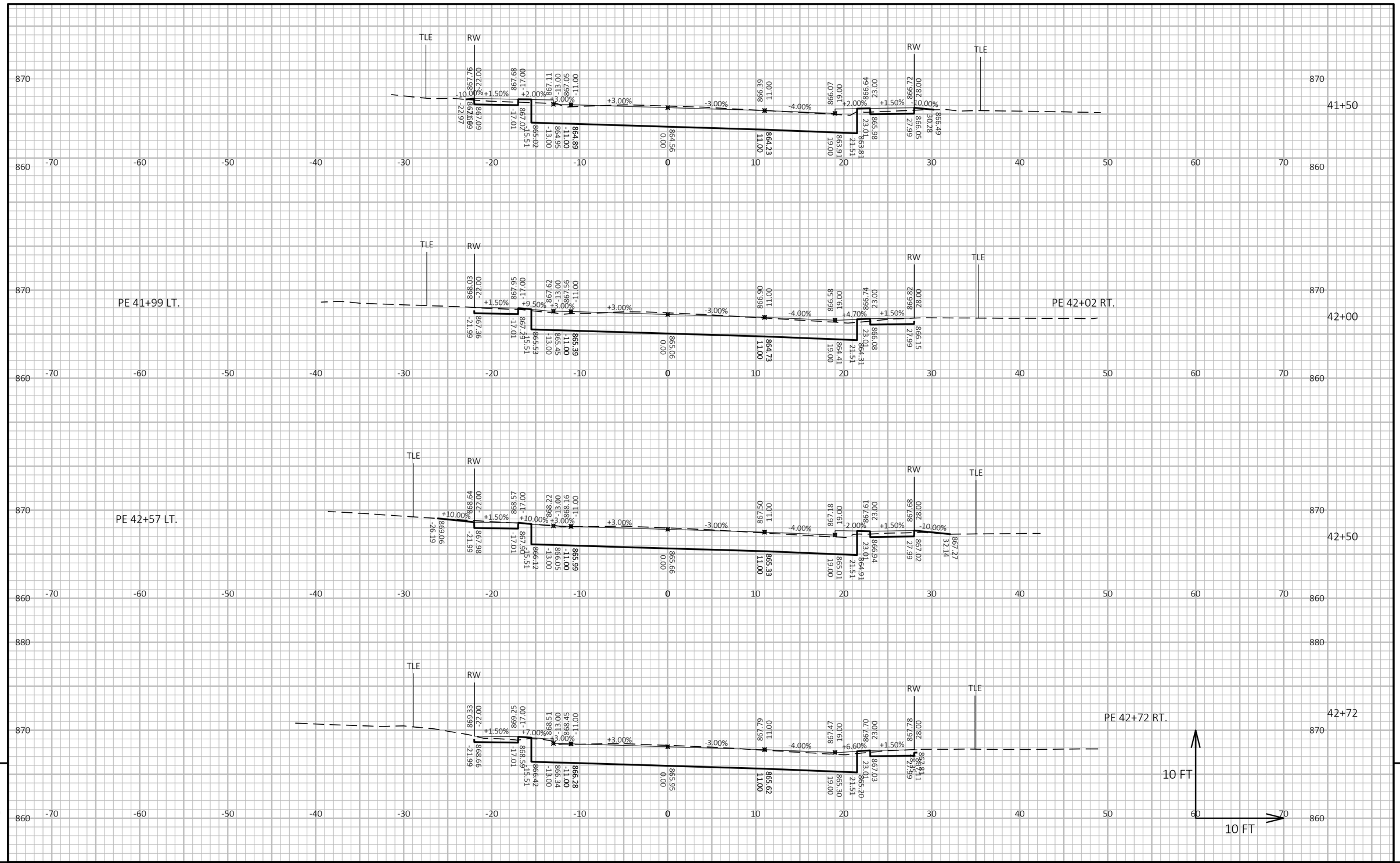
PLOT DATE : 7/20/2021 4:09 PM

PLOT BY : JAIME KURTEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

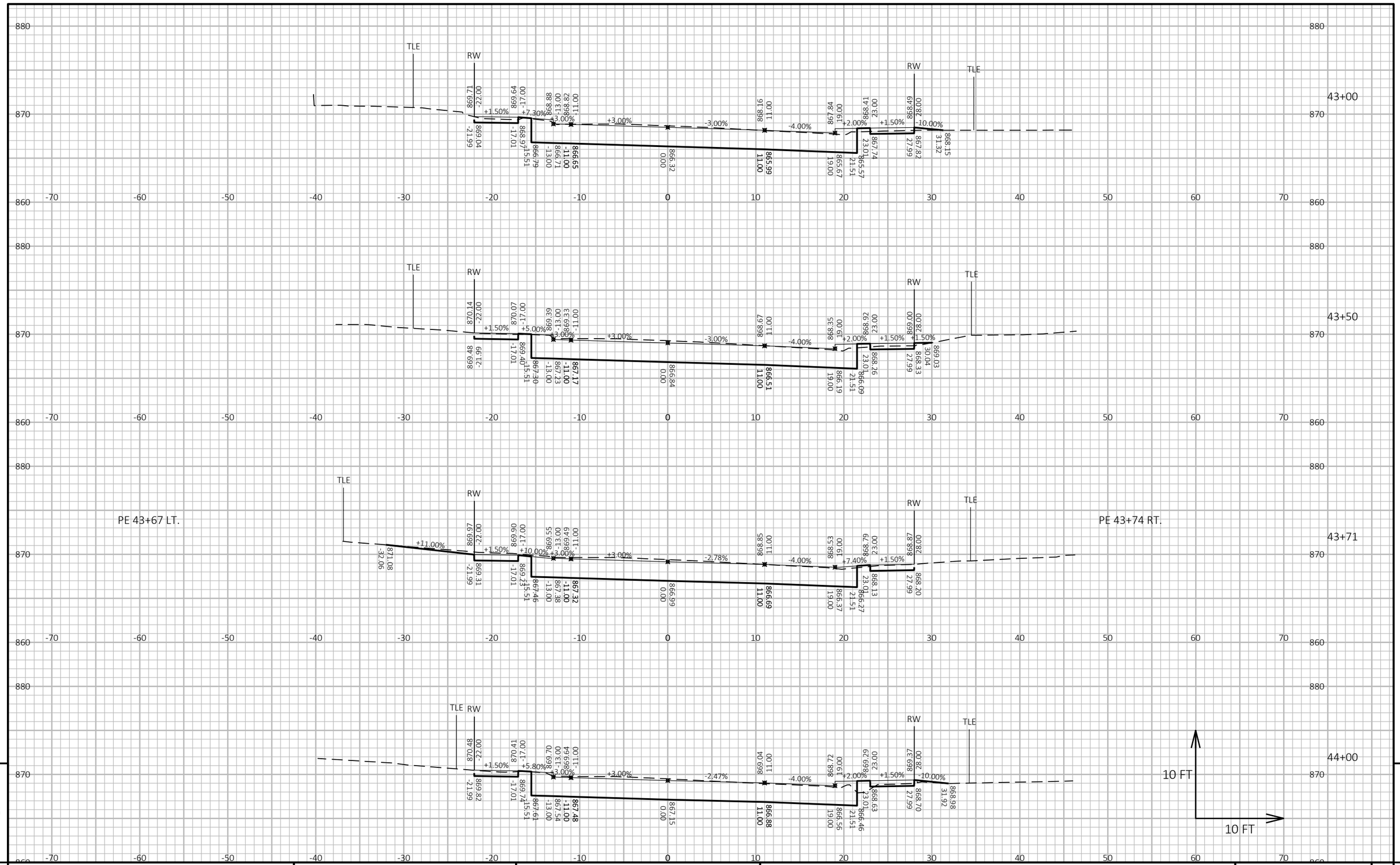


PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 168 E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 0902015xs

PLOT DATE : 7/20/2021 4:09 PM PLOT BY : JAIME KURTEN PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 169	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 0902016xs

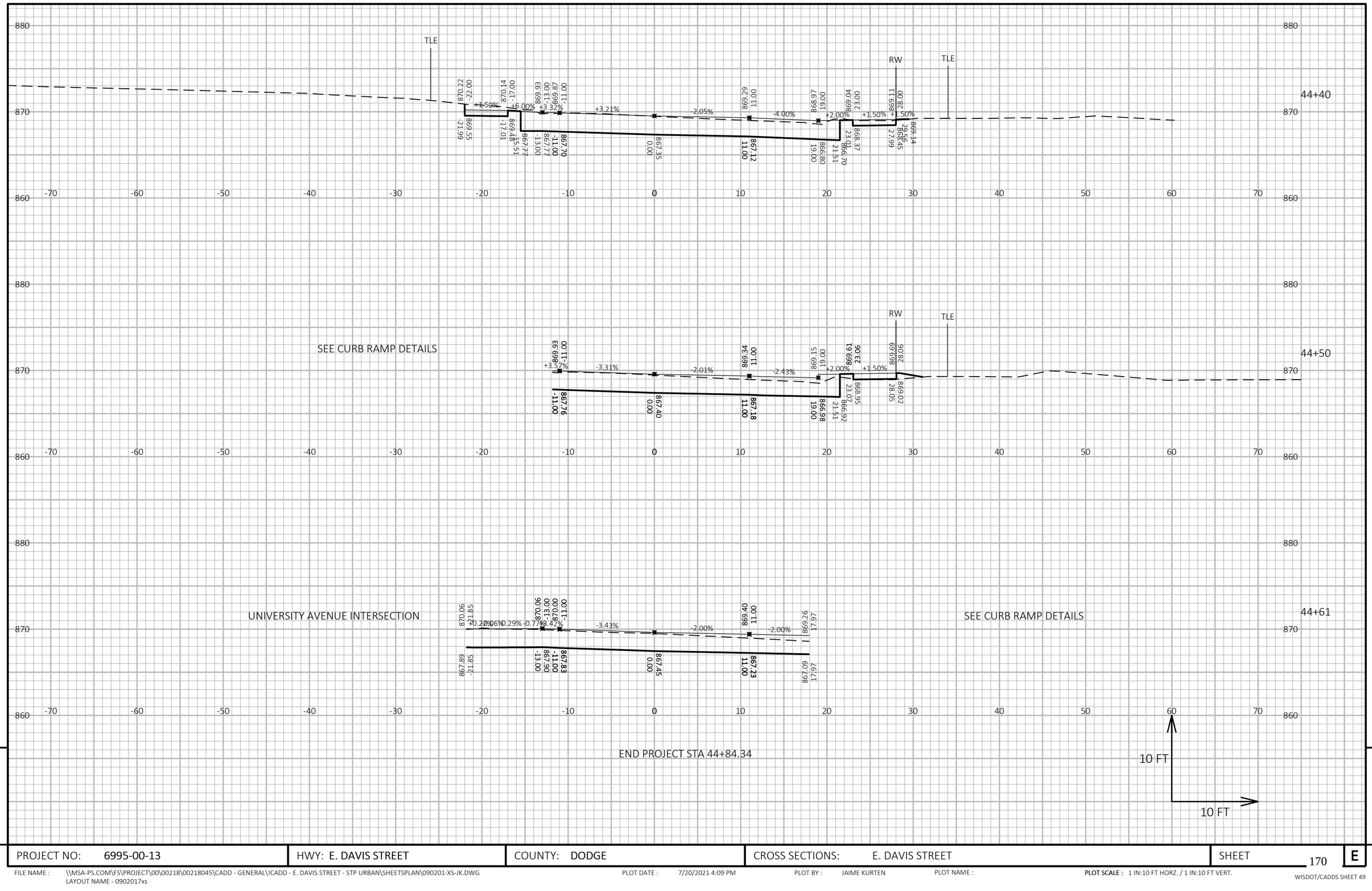
PLOT DATE : 7/20/2021 4:09 PM

PLOT BY : JAIME KURTEN

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 170	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 0902017xs

PLOT DATE : 7/20/2021 4:09 PM PLOT BY : JAIME KURTEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

880
870
860
-70
-60
-50
-40
-30
-20
-10
0
10
20
30
40
50
60
70
880
870
860
44+84

10 FT
10 FT

9
9

PROJECT NO: 6995-00-13	HWY: E. DAVIS STREET	COUNTY: DODGE	CROSS SECTIONS: E. DAVIS STREET	SHEET 171	E

FILE NAME : \\MSA-PS.COM\FS\PROJECT\00\00218\00218045\CADD - GENERAL\ICADD - E. DAVIS STREET - STP URBAN\SHEETSPLAN\090201-XS-JK.DWG
LAYOUT NAME - 0902018xs
PLOT DATE : 7/20/2021 4:09 PM
PLOT BY : JAIME KURTEN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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