SWL

MARCH 2017

PROJECT ID: 3897-00-69, 3897-00-70

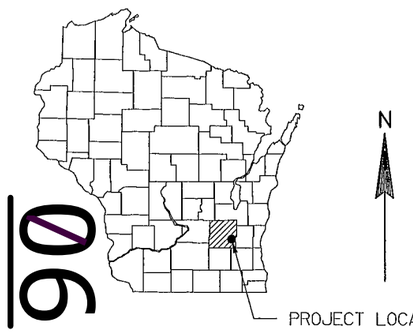
WITH: N/A

COUNTY: DODGE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control Plan)
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 = 320



DESIGN DESIGNATION

A.A.D.T. 2017	=	2,300
A.A.D.T. 2037	=	2,800
D.H.V. (K30)	=	336
D.D.	=	60/40
T.	=	3.5%
DESIGN SPEED	=	25 MPH
ESALS - ASPHALT	=	220,000
ESALS - CONCRETE	=	310,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE (PL + 58.)
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS/ HIGH VOLTAGE (CAUTION / 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

IRON RIDGE - EAST COUNTY LINE

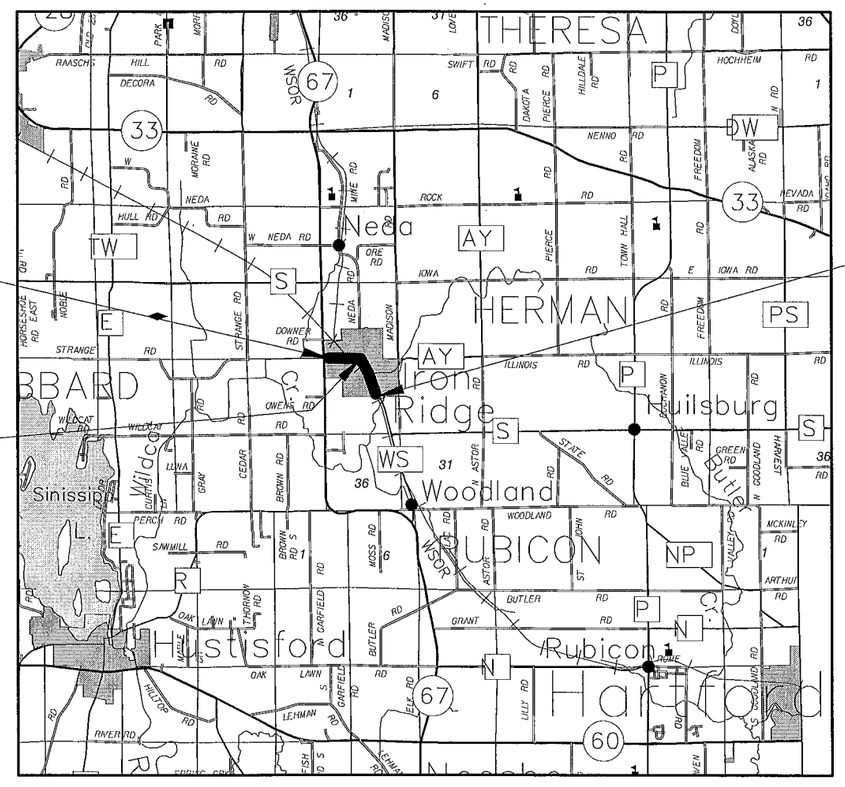
(STH 67 - MEADOWBROOK PARK DRIVE) **(STH 67 - MEADOWBROOK PARK DRIVE)**

CTH S
DODGE COUNTY

STATE PROJECT NUMBER **3897-00-69**

CTH S
DODGE COUNTY

STATE PROJECT NUMBER **3897-00-70**



BEGIN PROJECT
STA 21+25P
X=926,115.28
Y=702,476.52

STA 45+67.64P =
STA 45+63.98

END PROJECT
STA 70+55
X=926,115.28
Y=702,476.52

T-11-N

T-10-N

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.934 MI.

"COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), 'DODGE' COUNTY."

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3897-00-69	———	———
3897-00-70	WISC 2017096	1

ACCEPTED FOR
VILLAGE OF IRON RIDGE

DATE: 10/3/16 (SIGNATURE)

Village President
TITLE OF OFFICIAL

ACCEPTED FOR
COUNTY OF DODGE

DATE: 9-30-16 (SIGNATURE)

Highway Commissioner
TITLE OF OFFICIAL

ORIGINAL PLANS PREPARED BY

MSA PROFESSIONAL SERVICES
TRANSPORTATION • MUNICIPAL
DEVELOPMENT • ENVIRONMENTAL
1230 South Boulevard Baraboo, WI 53913
608-356-2771 • 800-362-4505 • Fax 608-356-2770

WISCONSIN
LOREN T. KUGLER
E-25987
BARABOO
WI
PROFESSIONAL ENGINEER

DATE: 9/27/16 (PROFESSIONAL ENGINEER)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MSA PROFESSIONAL SERVICES, INC.
Designer	MSA PROFESSIONAL SERVICES, INC.
Management Consultant	KL ENGINEERING, INC.

APPROVED FOR THE DEPARTMENT

DATE: 10/27/16 (Management Consultant Signature)

E

2

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 PROJECT AREA THAT ARE NOT SHOWN.

REMOVE PAVEMENT TO THE NEAREST JOINT OR A SAWED EDGE AS DIRECTED BY THE ENGINEER.

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

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE FERTILIZED, SEEDED AND TEMPORARILY SEEDED AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATION OF ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAYS ARE TO BE REPLACED IN KIND.

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, THE CONTRACTOR SHALL CAREFULLY MAKE A SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

ABBREVIATIONS

AC	ACRES	G.V.	GAS VALVE
AC	ASPHALT CEMENT	INV	INVERT
AEW	APRON ENDWALL	IP	IRON PIPE
ASPH	ASPHALT	JCT	JUNCTION
AVG	AVERAGE	LHF	LEFT HAND FORWARD
ADT	AVERAGE DAILY TRAFFIC	L	LENGTH
BAD	BASE AGGREGATE DENSE	LS	LUMP SUM
BM	BENCHMARK	NC	NORMAL CROWN
CL	CENTERLINE	N	NORTH
CC	CENTER TO CENTER	Y	NORTH GRID COORDINATE
CONC	CONCRETE	PC	POINT OF CURVATURE
CSCP	CORRUGATED STEEL CULVERT PIPE	PI	POINT OF INTERSECTION
CSM	CERTIFIED SURVEY MAP	PT	POINT OF TANGENCY
CTH	COUNTY TRUNK HIGHWAY	PL	PROPERTY LINE
CULV	CULVERT	PE	PRIVATE ENTRANCE
CP	CULVERT PIPE	R	RADIUS
C&G	CURB & GUTTER	REQD	REQUIRED
D	DEGREE OF CURVE	R/W	RIGHT-OF-WAY
DHV	DESIGN HOURLY VOLUME	RHF	RIGHT HAND FORWARD
DIA	DIAMETER	SALV	SALVAGED
DWY	DRIVEWAY	SHLDR	SHOULDER
E	EAST	SDD	STANDARD DETAIL DRAWINGS
X	EAST GRID COORDINATE	STA	STATION
ELEV	ELEVATION	SE	SUPERELEVATION
EW	ENDWALL	TAN	TANGENT
ENT	ENTRANCE	TLE	TEMPORARY LIMITED EASEMENT
ESALS	EQUIVALENT SINGLE AXLE LOADS	T	TRUCKS
EXC	EXCAVATION	TYP	TYPICAL
EBS	EXCAVATION BELOW SUBGRADE	VERT	VERTICAL
EXIST	EXISTING	VC	VERTICAL CURVE
FF	FACE TO FACE	VOL	VOLUME
FERT	FERTILIZER	WV	WATER VALVE
FE	FIELD ENTRANCE	W	WELL
FG	FINISHED GRADE		
FT	FOOT		

ORDER OF TYPICAL SECTION & DETAIL SHEETS

1. GENERAL NOTES
2. PROJECT OVERVIEW
3. EXISTING TYPICAL SECTIONS
4. FINISHED TYPICAL SECTIONS
5. CONSTRUCTION DETAILS
6. PAVING DETAILS
7. EROSION CONTROL
8. STORM SEWER
9. WATER MAIN & SANITARY SEWER
10. PERMANENT SIGNING
11. PAVEMENT MARKING
12. TRAFFIC CONTROL
13. ALIGNMENT DIAGRAM
14. SUPERELEVATION DIAGRAM

DESIGN CONTACT

MSA PROFESSIONAL SERVICES, INC.
ATTN: MR. LOREN KUGLER
1230 SOUTH BOULEVARD
BARABOO, WI 53913
TELEPHONE: 608-355-8894
EMAIL: LKUGLER@MSA-PS.COM

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
DNR SOUTH CENTRAL REGIONAL HQ
ATTN: MR. ERIC HEGGELUND
3911 FISH HATCHERY RD
FITCHBURG, WI 53711
TELEPHONE: 608-275-3301
EMAIL: ERIC.HEGGELUND@WISCONSIN.GOV

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

UTILITIES

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

TELEPHONE
FRONTIER COMMUNICATIONS OF WI
ATTN: RUSS RYAN
315 OAK STREET
OAKFIELD, WI 53065
OFFICE: 920-583-3275
MOBILE: 920-737-9662
EMAIL: RUSSELL.W.RYAN@FTR.COM

GAS
WE ENERGIES
ATTN: GARY SCHMUTZER
7711 NORTH PORT WASHINGTON RD.
MILWAUKEE, WI 53217
OFFICE: 414-897-6957
EMAIL: GSCHMUTZER@KAPUR-ASSOC.COM

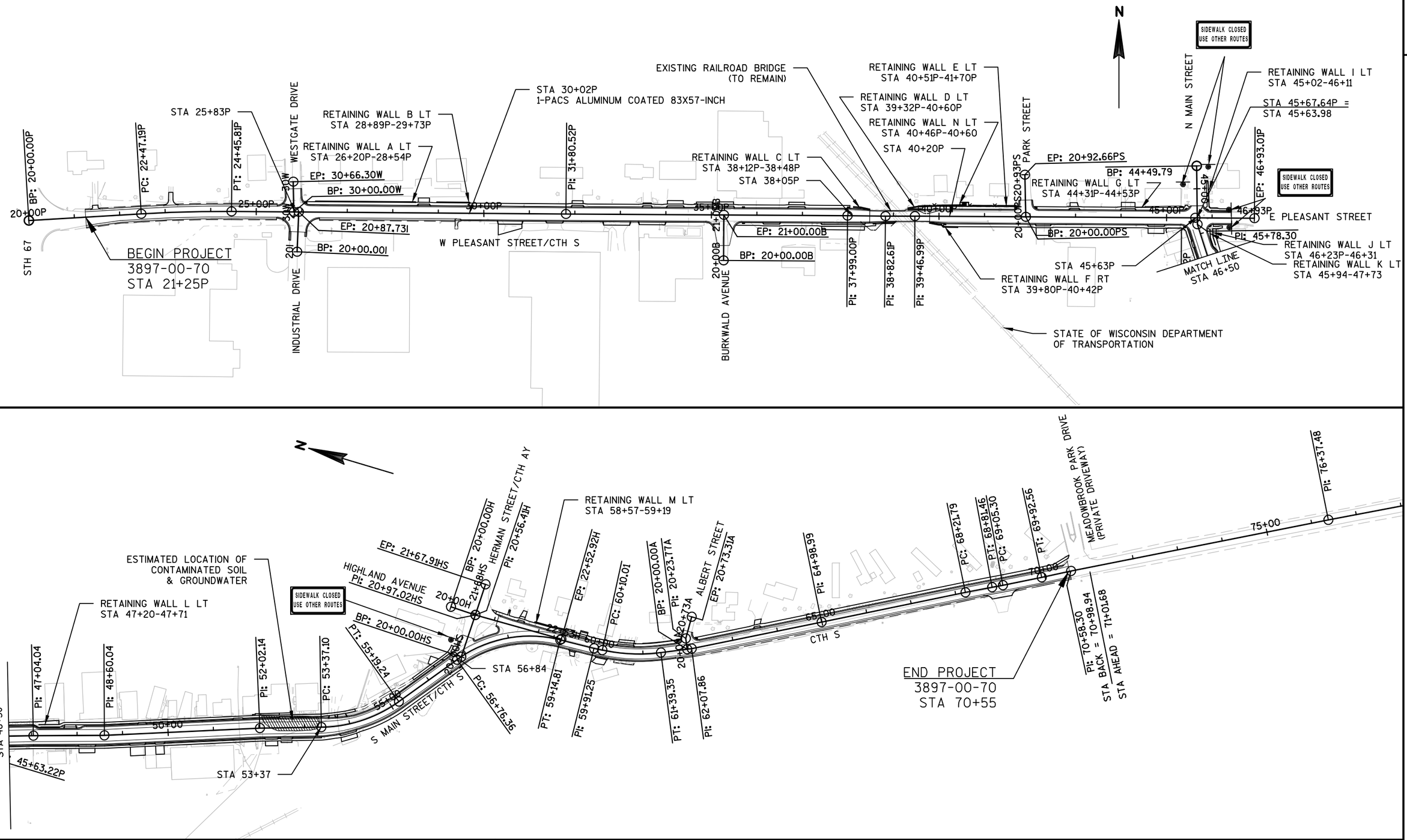
ELECTRIC
WE ENERGIES
ATTN: PHIL MCDONNELL
500 SOUTH 116 ST.
WEST ALLIS, WI 53214
OFFICE: 414-944-5620
EMAIL: PHIL.MCDONNELL@WE-ENERGIES.COM

LIGHTING
WE ENERGIES
ATTN: DANIEL TIMM
315 WILLIAM ST.
WATERTOWN, WI 53094
OFFICE: 920-262-6888
MOBILE: 920-253-6743
EMAIL: DANIEL.TIMM@WE-ENERGIES.COM

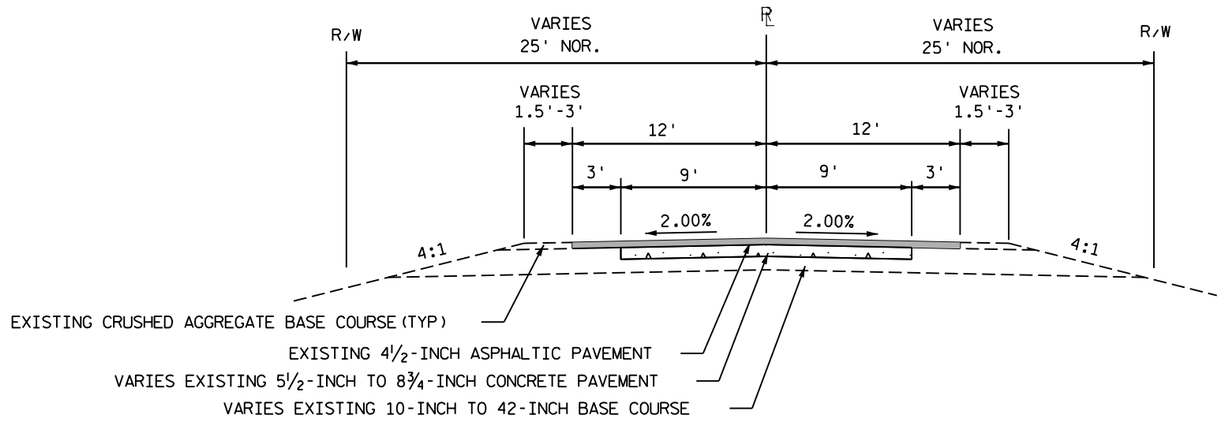
FIBER OPTIC
CHARTER COMMUNICATIONS
ATTN: RON FRASE
N3760 CTH DJ
JUNEAU, WI 53039
OFFICE: 920-349-3202 EXT. 103
MOBILE: 608-438-9648
EMAIL: RONALD.FRASE@CHARTER.COM

*WATER & SANITARY SEWER
VILLAGE OF IRON RIDGE
ATTN: FRITZ ZWONIARKIEWICZ, DPW
P.O. BOX 247
IRON RIDGE, WI 53035
MOBILE: 920-387-2676
OFFICE: 920-387-3975
EMAIL: IRDPW@YAHOO.COM

*NOT A MEMBER OF DIGGER'S HOTLINE

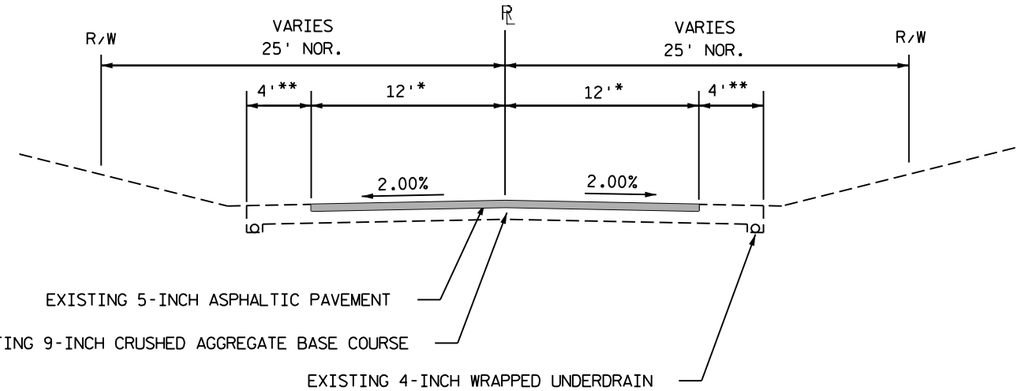


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN: PROJECT OVERVIEW	SHEET 3	E



TYPICAL EXISTING SECTION

STA 21+25P - STA 38+25P

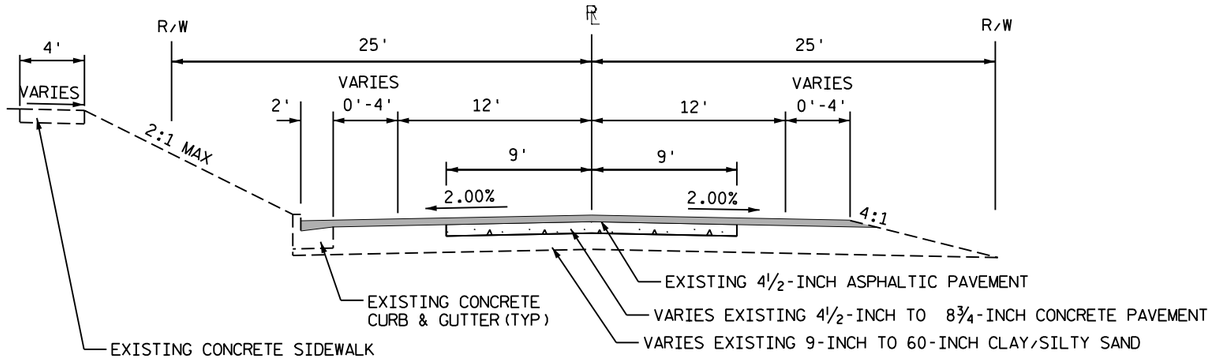


TYPICAL EXISTING SECTION

STA 38+25P - STA 40+00P

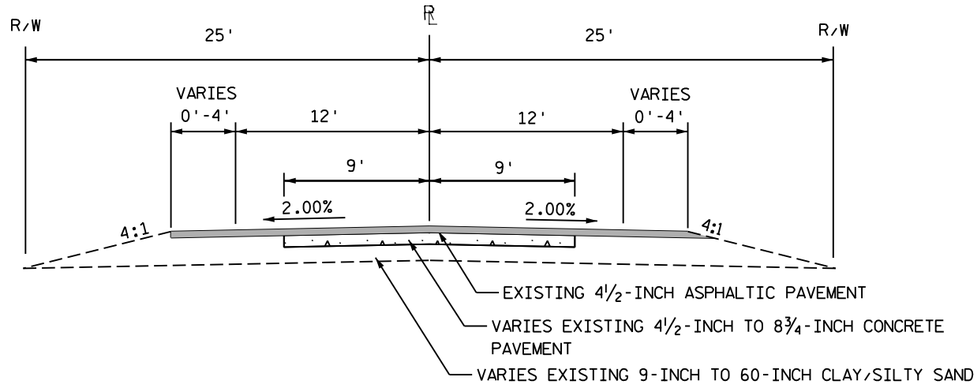
*11' UNDER RAILROAD BRIDGE
**1' PAVED UNDER RAILROAD BRIDGE

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TYPICAL SECTIONS	SHEET 4	E



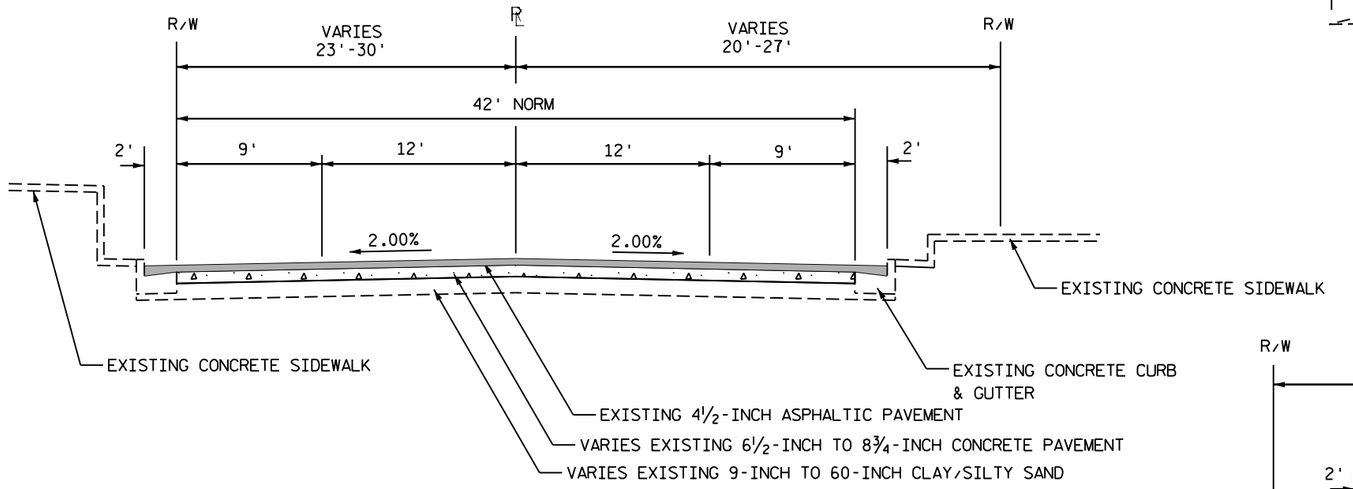
TYPICAL EXISTING SECTION

STA 40+00P - STA 41+67P



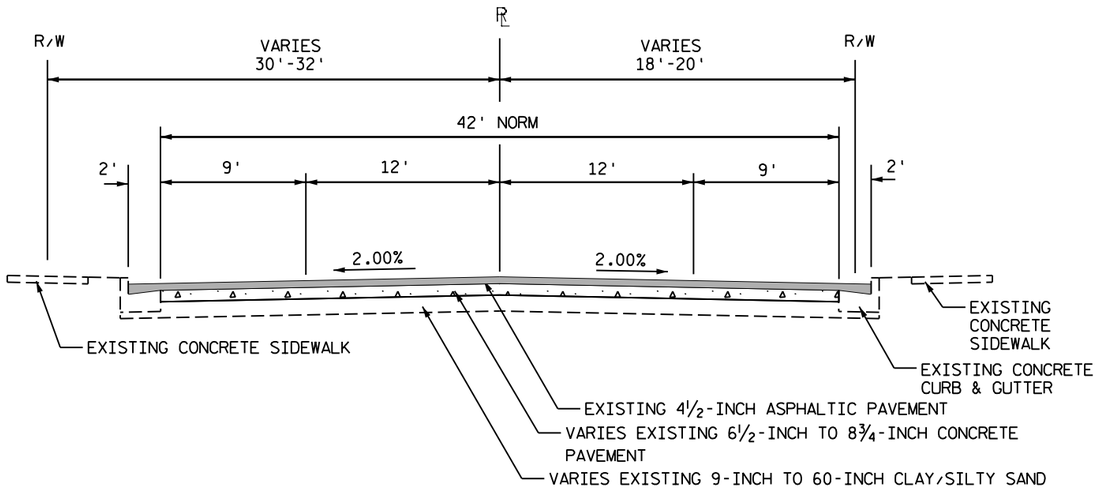
TYPICAL EXISTING SECTION

STA 41+67P - STA 46+00P



TYPICAL EXISTING SECTION

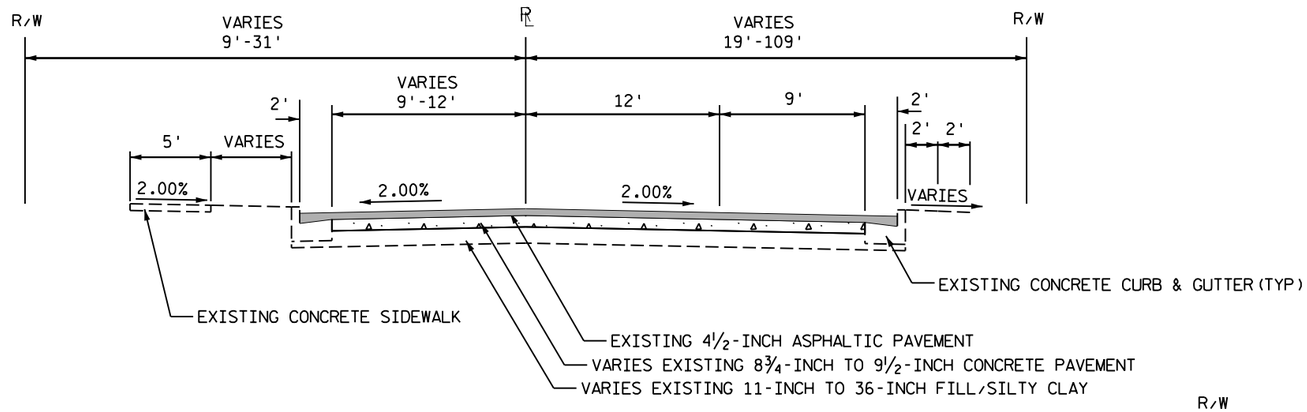
STA 45+64 - STA 50+00



TYPICAL EXISTING SECTION

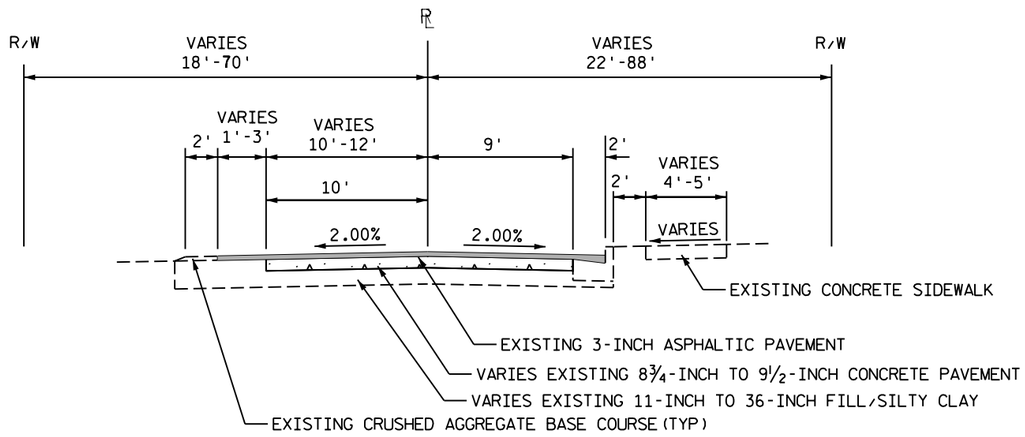
STA 50+00 - STA 53+80

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TYPICAL SECTIONS	SHEET 5	E



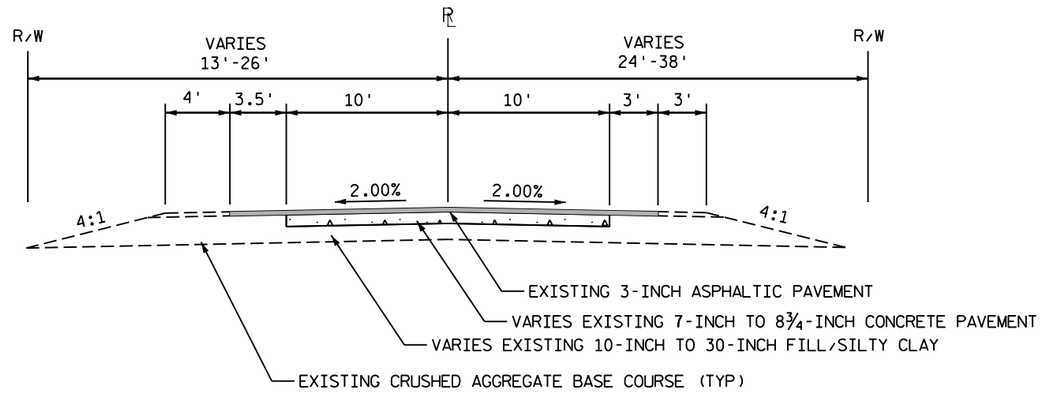
TYPICAL EXISTING SECTION

STA 53+80 - STA 56+30



TYPICAL EXISTING SECTION

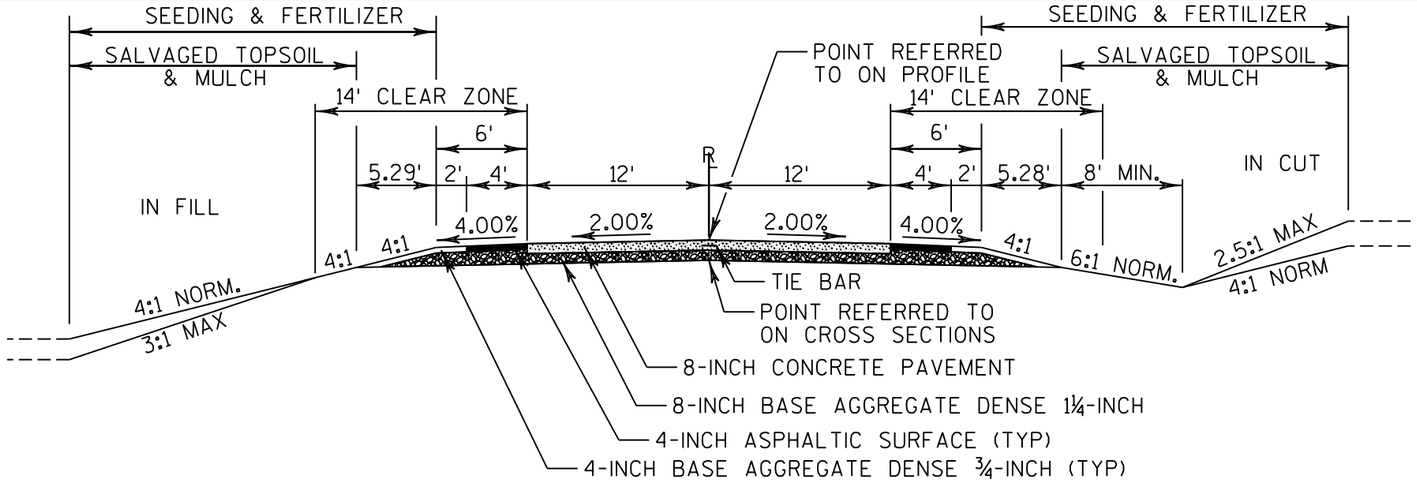
STA 56+30 - STA 59+47



TYPICAL EXISTING SECTION

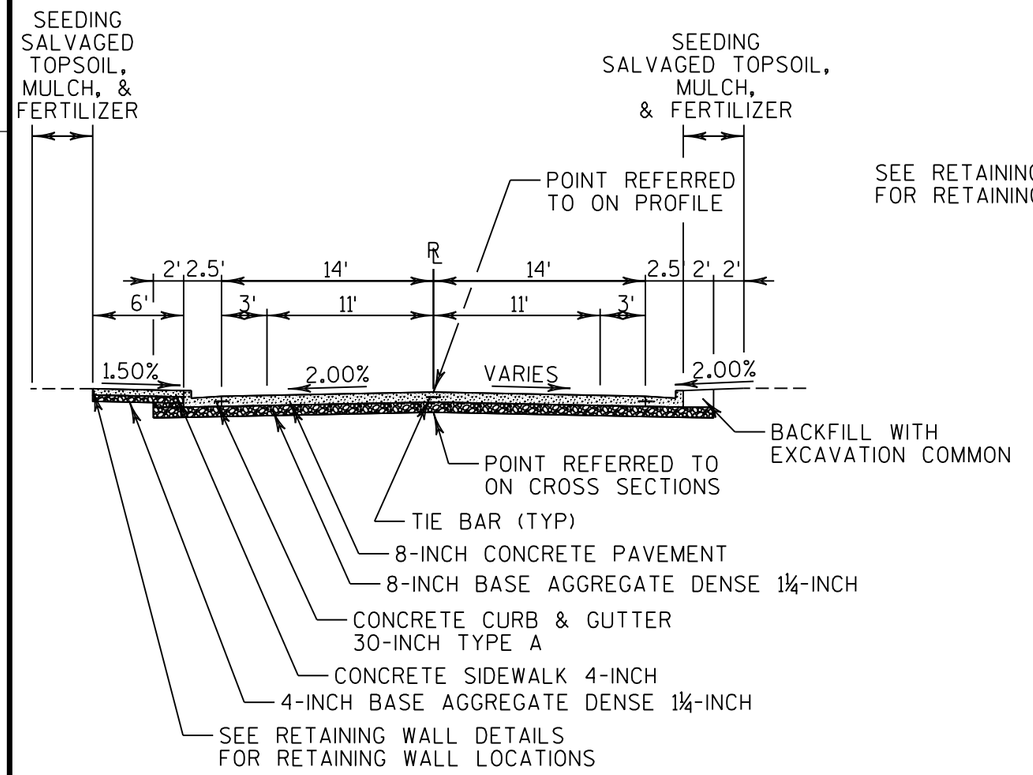
STA 59+47 - STA 70+55

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TYPICAL SECTIONS	SHEET 6	E



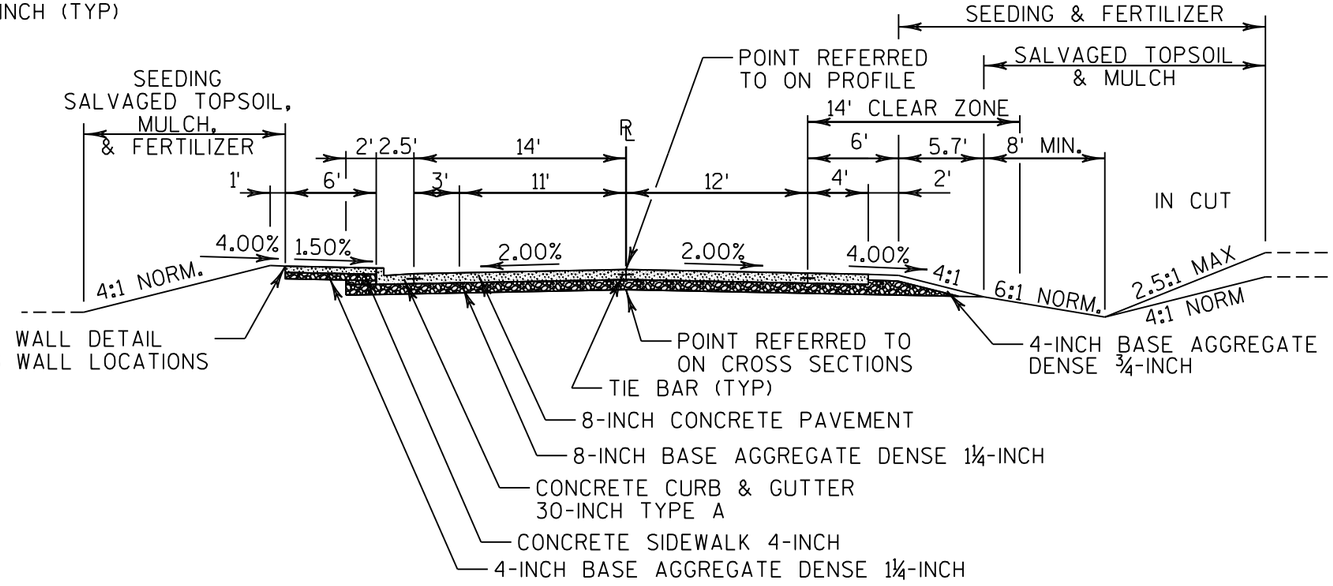
TYPICAL FINISHED SECTION

STA 21+25P - STA 25+46P



TYPICAL FINISHED SECTION

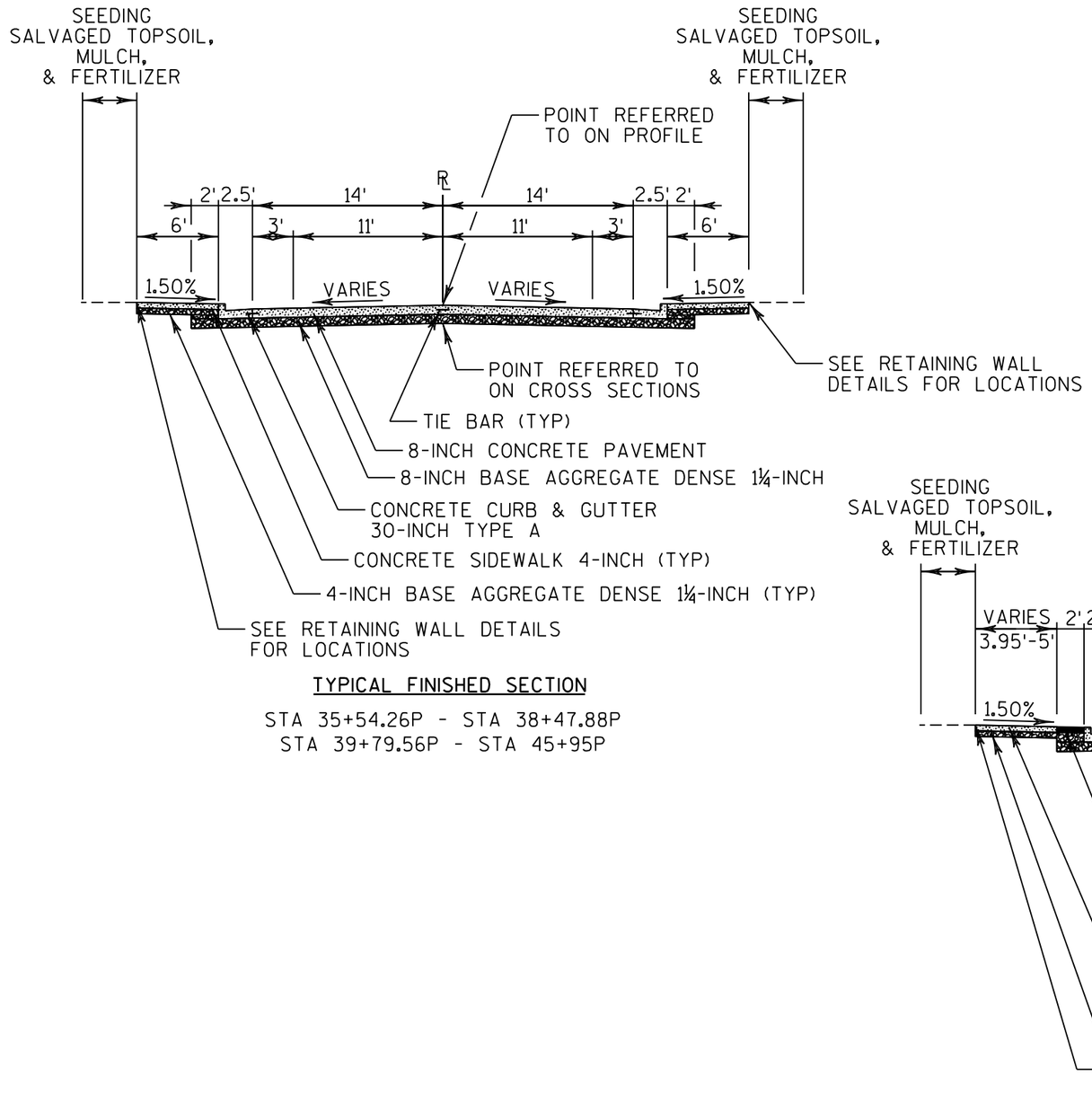
STA 29+50P - STA 35+54.26P



TYPICAL FINISHED SECTION

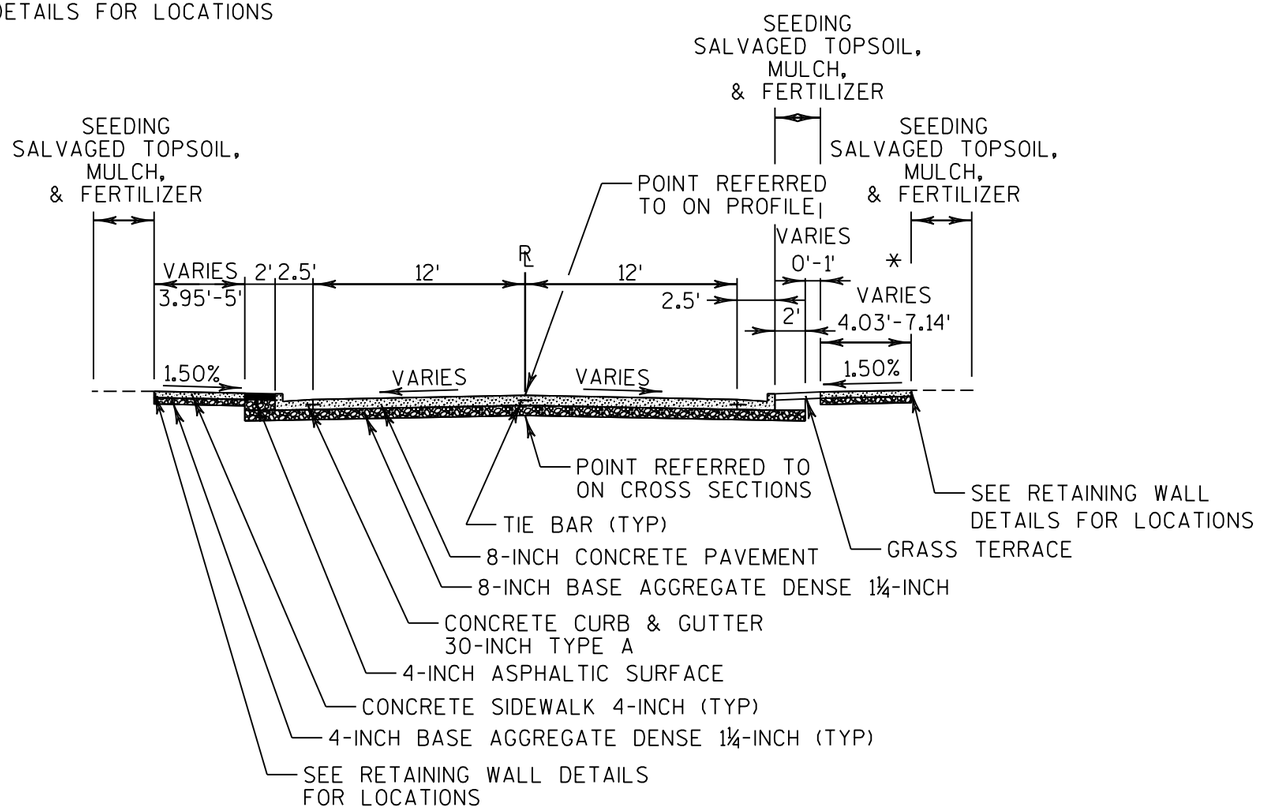
STA 25+46P - STA 29+50P

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TYPICAL SECTIONS	SHEET 7	E



TYPICAL FINISHED SECTION

STA 35+54.26P - STA 38+47.88P
STA 39+79.56P - STA 45+95P

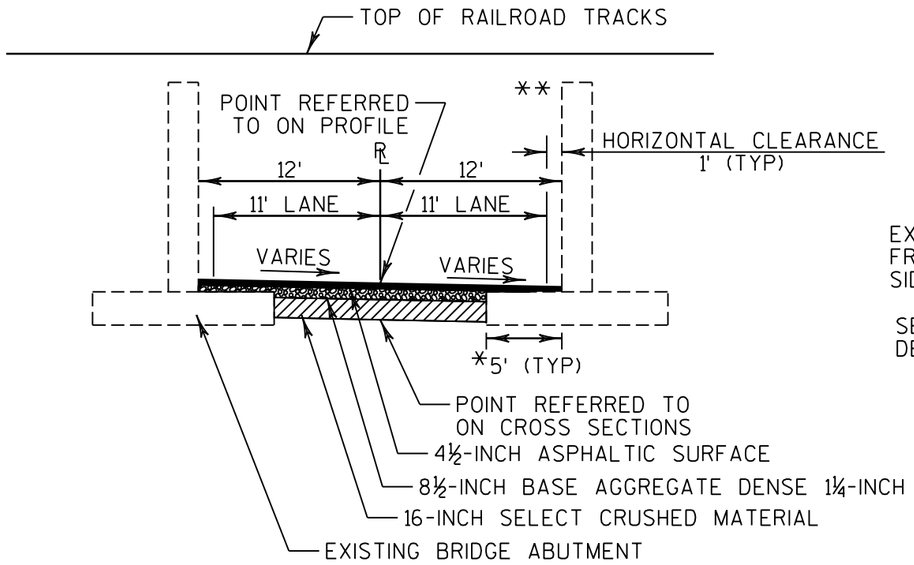


TYPICAL FINISHED SECTION

STA 45+95P - STA 46+42.65P

* EXISTING SIDEWALK TO REMAIN
FROM STA 46+22.86P-STA 46+42.65P

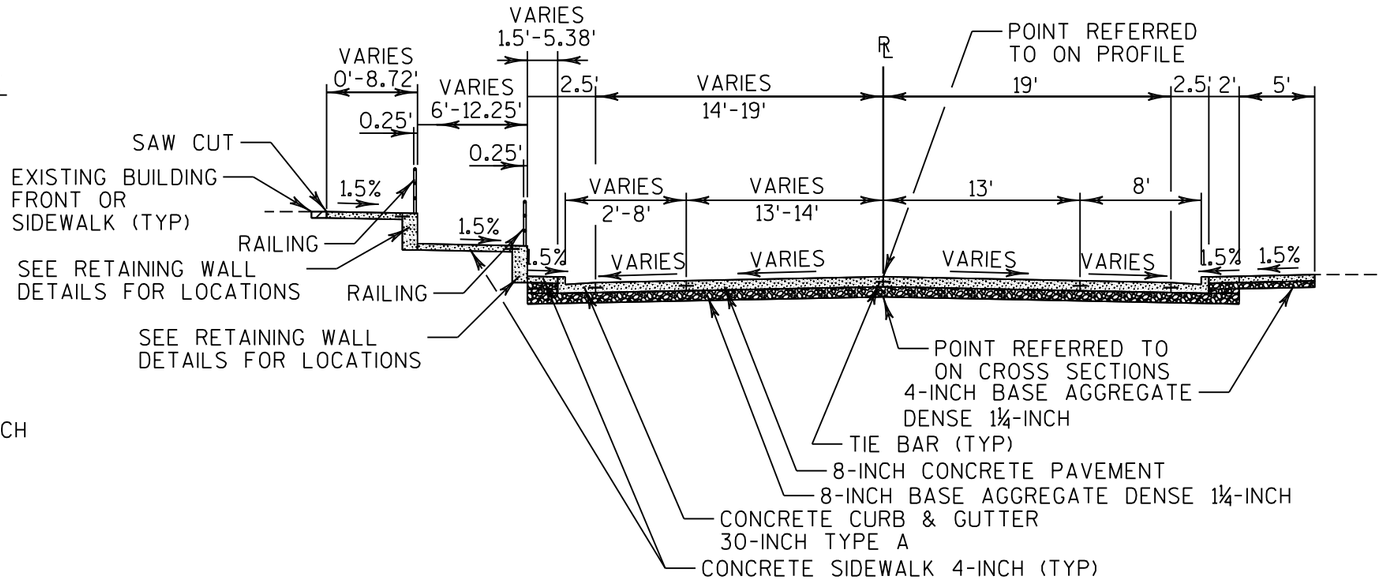
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TYPICAL SECTIONS	SHEET 8	E



TYPICAL FINISHED SECTION UNDER RAILROAD OVERPASS

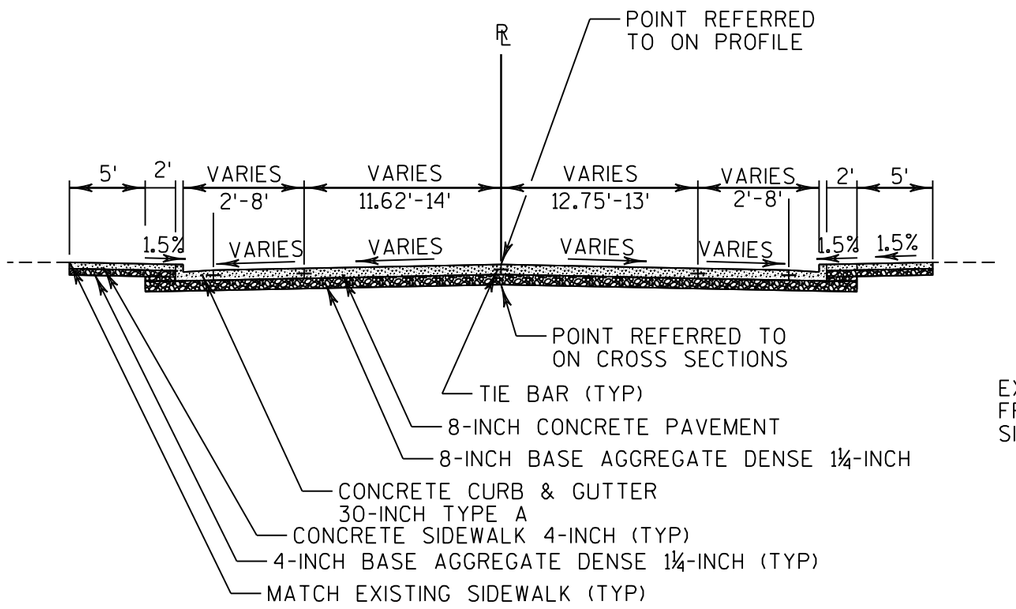
STA 38+47.88P - STA 39+79.56P

*FROM THE RR BRIDGE PLANS
**CLEARANCE ON WEST SIDE OF BRIDGE IS 14.10'
**CLEARANCE ON EAST SIDE OF BRIDGE IS 13.80'.



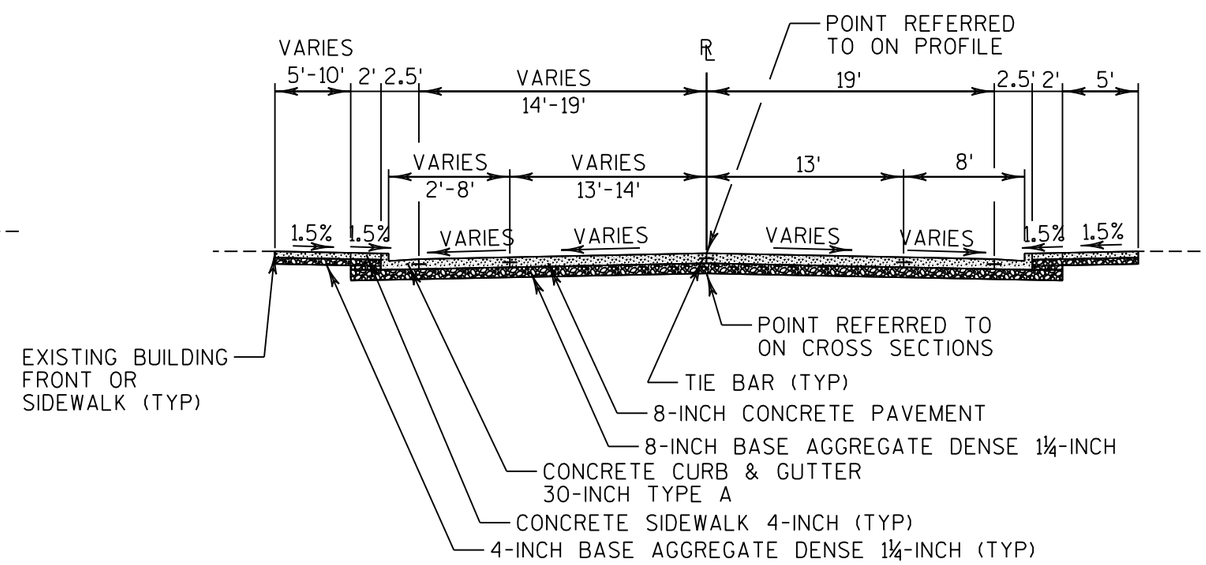
TYPICAL FINISHED SECTION

STA 45+97.61 - STA 47+60.47



TYPICAL FINISHED SECTION

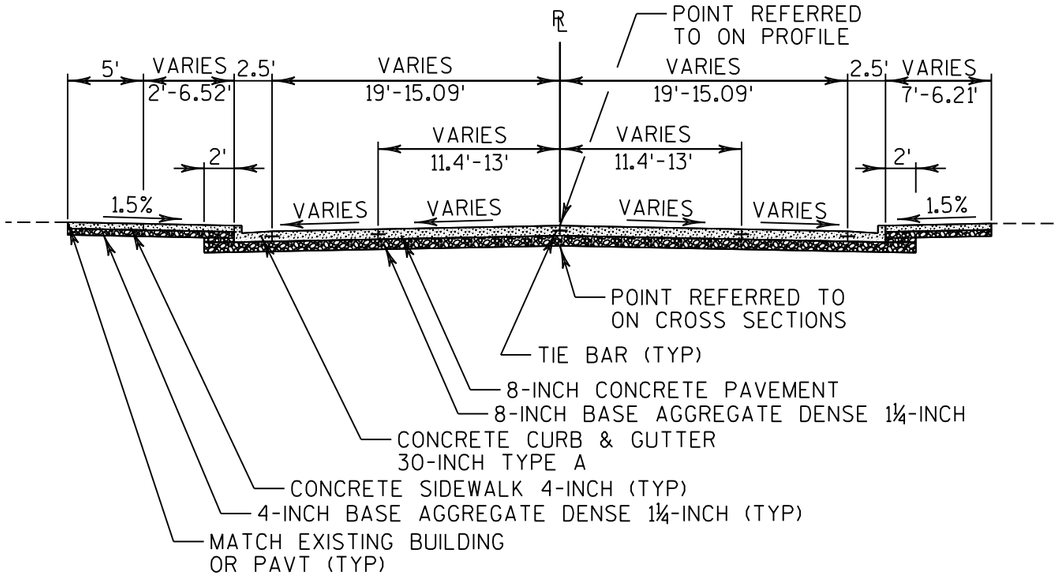
STA 45+37.56 - STA 45+97.61



TYPICAL FINISHED SECTION

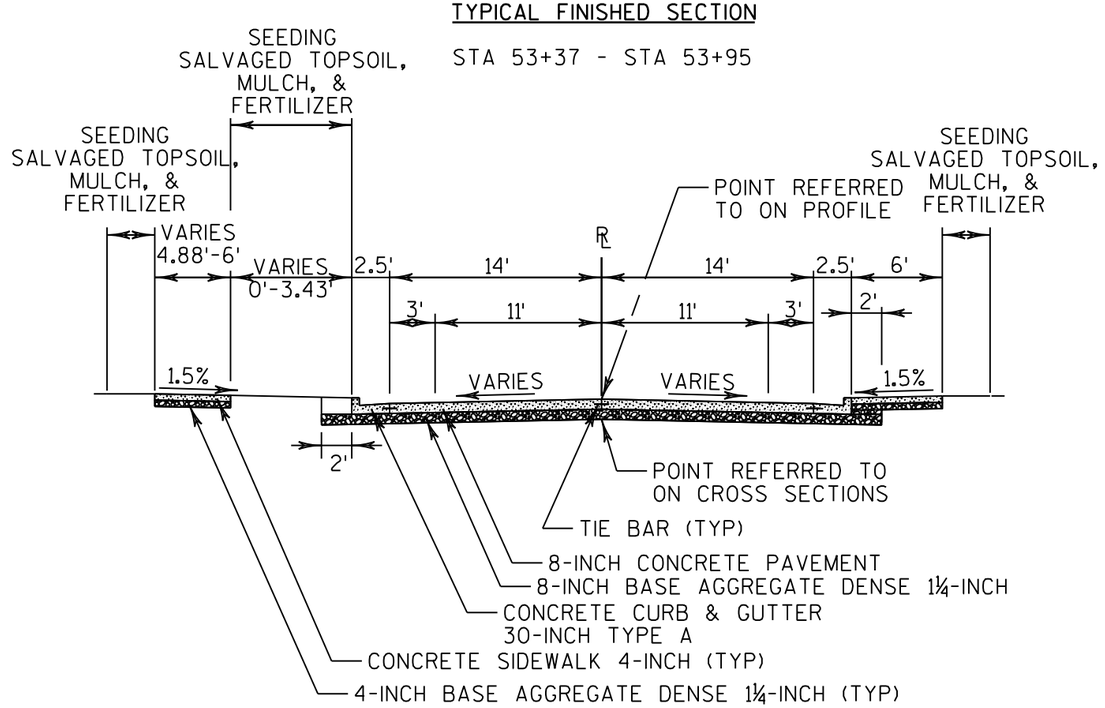
STA 47+60.47 - STA 53+37

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TYPICAL SECTIONS	SHEET 9	E



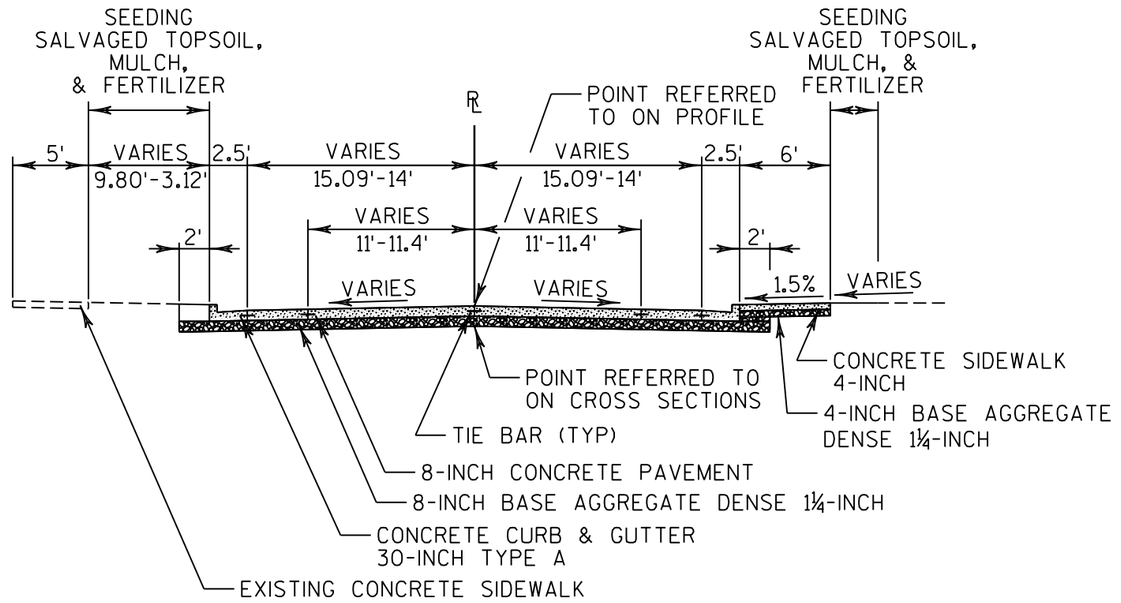
TYPICAL FINISHED SECTION

STA 53+37 - STA 53+95



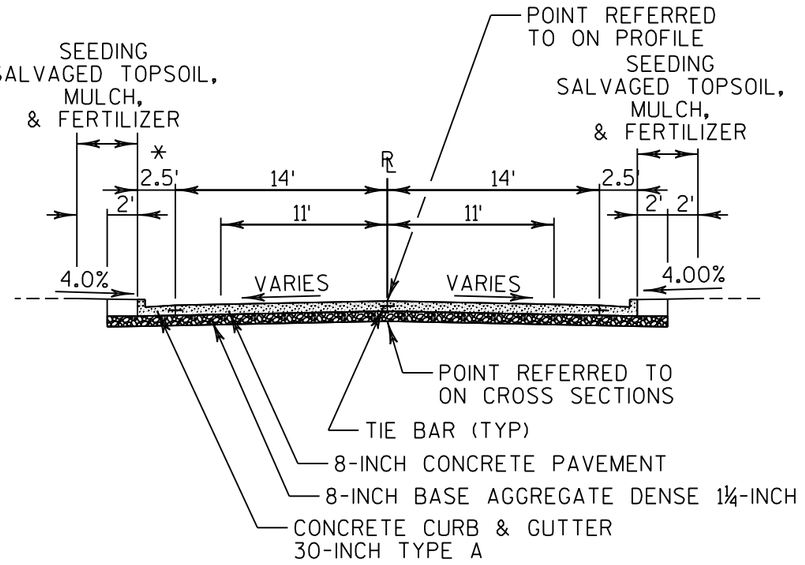
TYPICAL FINISHED SECTION

STA 55+74 - STA 56+76



TYPICAL FINISHED SECTION

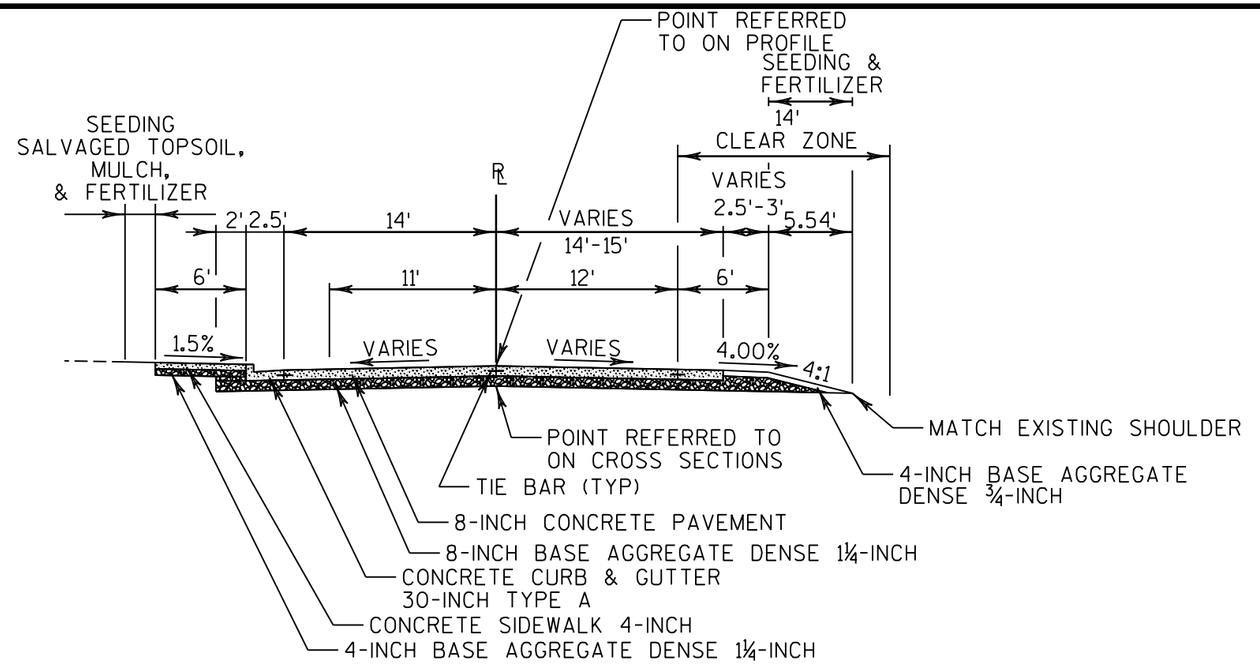
STA 53+95 - STA 55+74



TYPICAL FINISHED SECTION

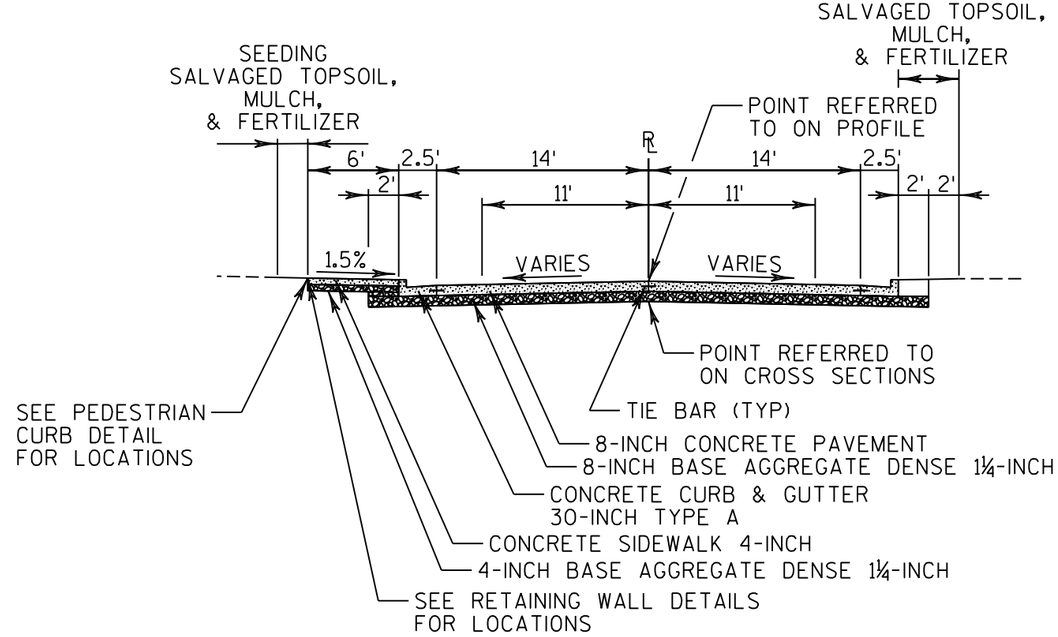
STA 56+76 - STA 58+94

* NO CURB & GUTTER THROUGH HIGHLAND AVE



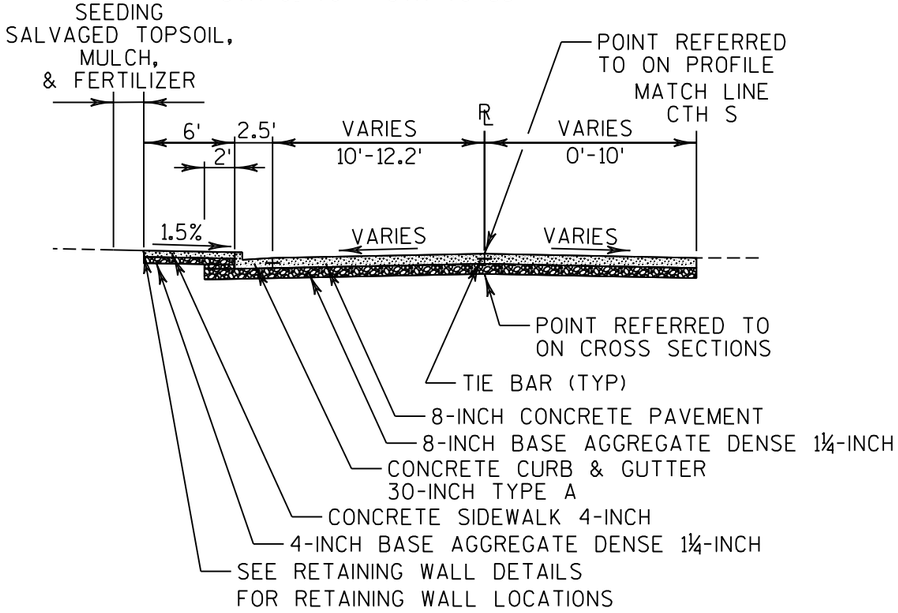
TYPICAL FINISHED SECTION

STA 61+70 - STA 70+55



TYPICAL FINISHED SECTION

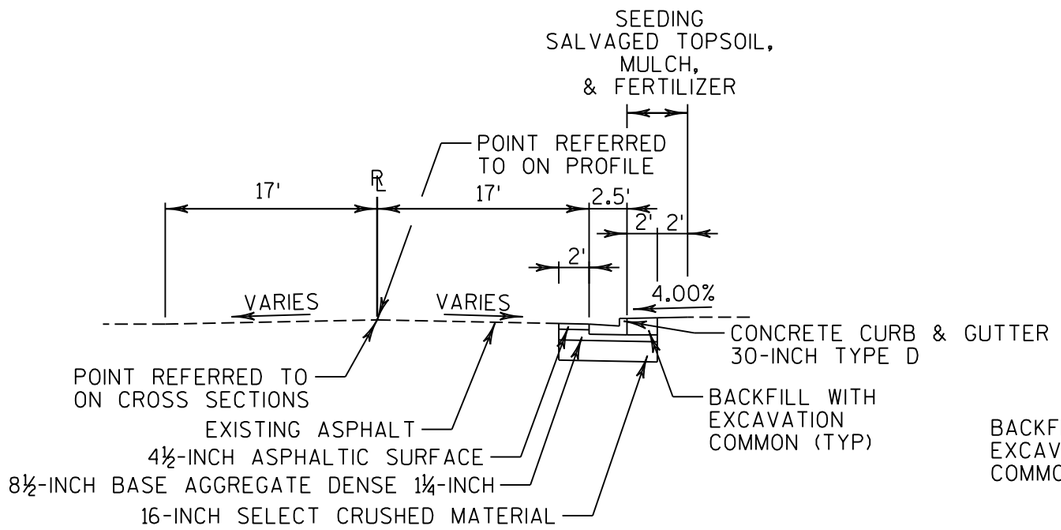
STA 58+94 - STA 61+70



TYPICAL FINISHED SECTION

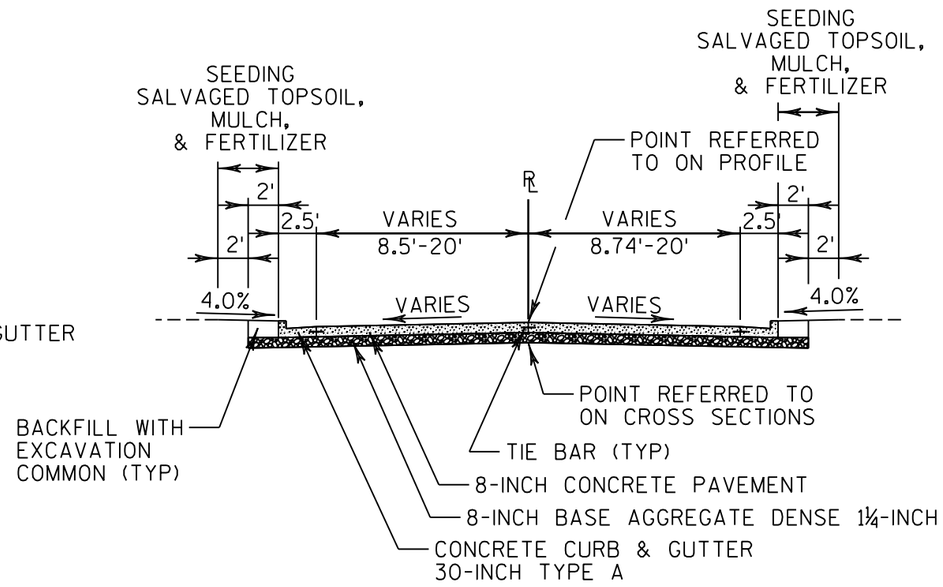
STA 21+06.74H - STA 22+28.87H

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TYPICAL SECTIONS	SHEET 11	E



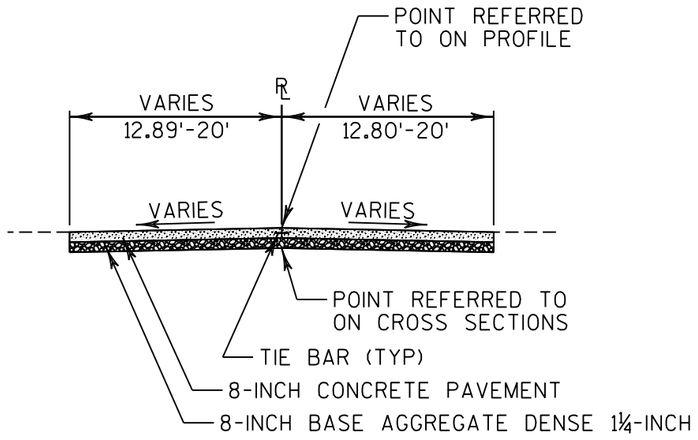
TYPICAL FINISHED SECTION

STA 20+34.55I - STA 20+44.08I
STA 20+25I - STA 20+44.08I (REVERSED)



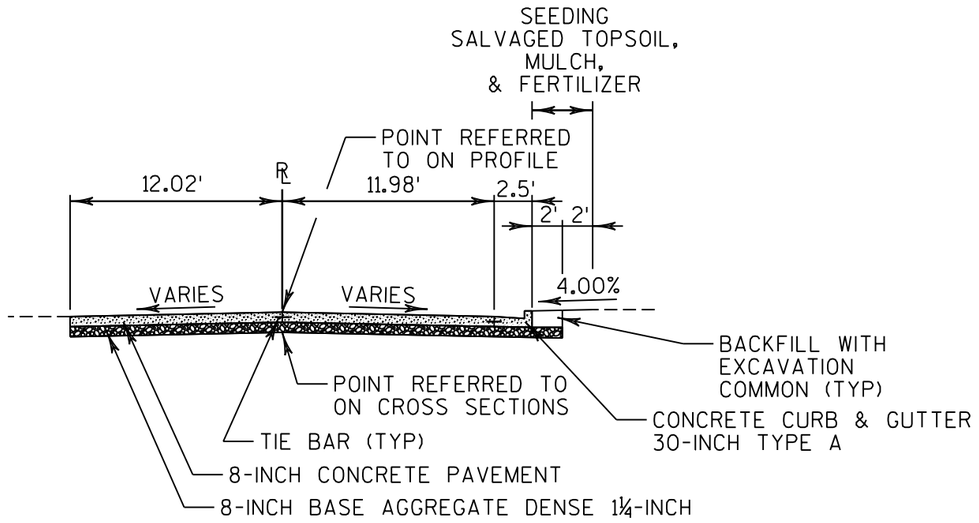
TYPICAL FINISHED SECTION

STA 30+13.02W - STA 30+50.89W
STA 20+44.08I - STA 20+75.73I
STA 20+65.13B - STA 20+85.99B
STA 20+14PS - STA 20+36.77PS
STA 20+23.77A - STA 20+40.56A



TYPICAL FINISHED SECTION

STA 20+33B - STA 20+65.13B



TYPICAL FINISHED SECTION

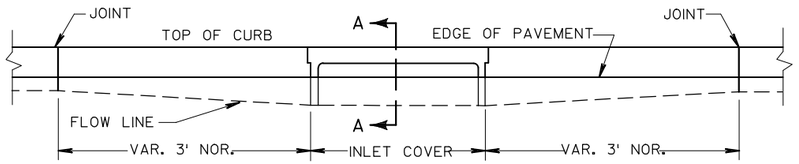
STA 20+31.85HS - STA 20+46.38HS

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TYPICAL SECTIONS	SHEET 12	E

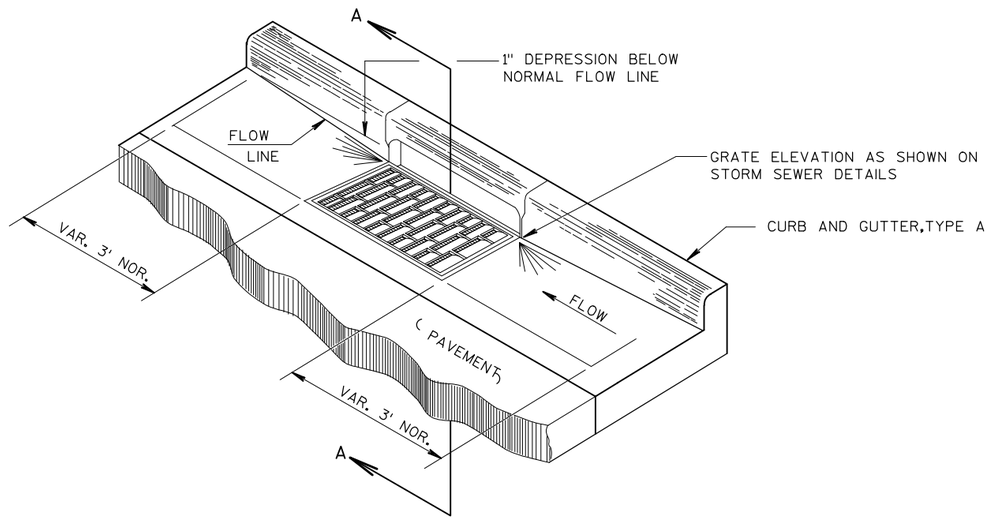
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

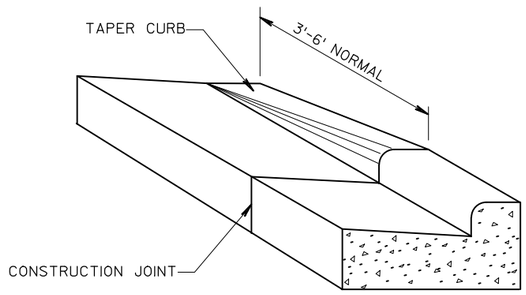
TOTAL PROJECT AREA = 6.57 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 6.57 ACRES



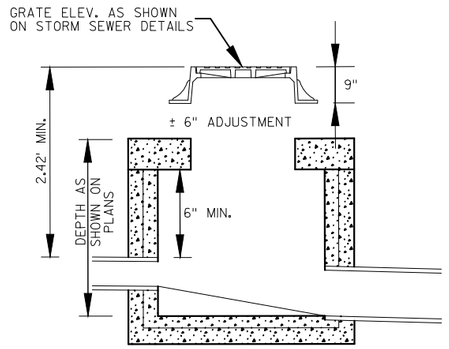
ELEVATION



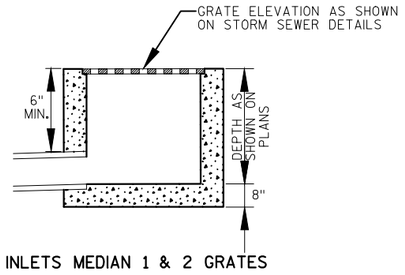
DETAIL OF CURB AND GUTTER AT INLETS



DETAIL OF CURB & GUTTER TERMINI

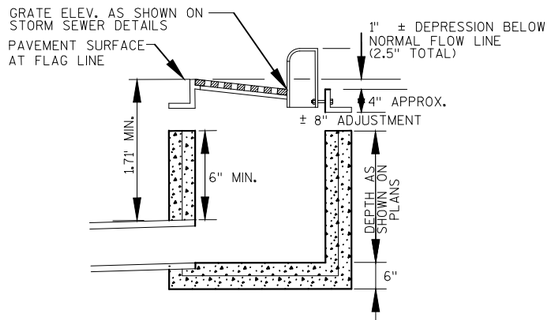


DETAIL FOR COMPUTING MANHOLE ELEVATIONS



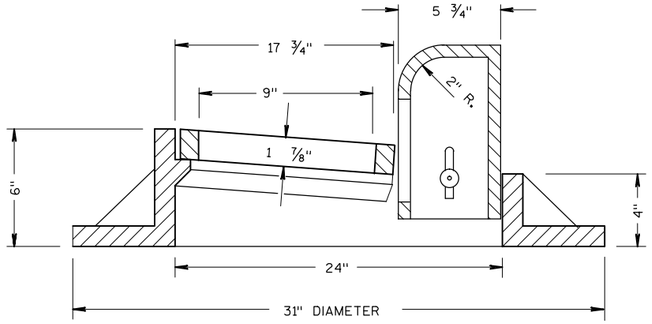
INLETS MEDIAN 1 & 2 GRATES

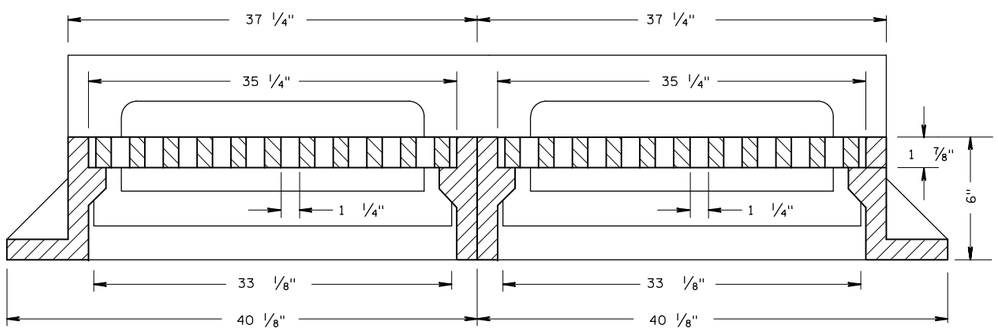
DETAIL FOR COMPUTING INLET ELEVATIONS



DETAIL FOR COMPUTING INLET ELEVATIONS
INLET COVERS - H & HM

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS	SHEET 13	E



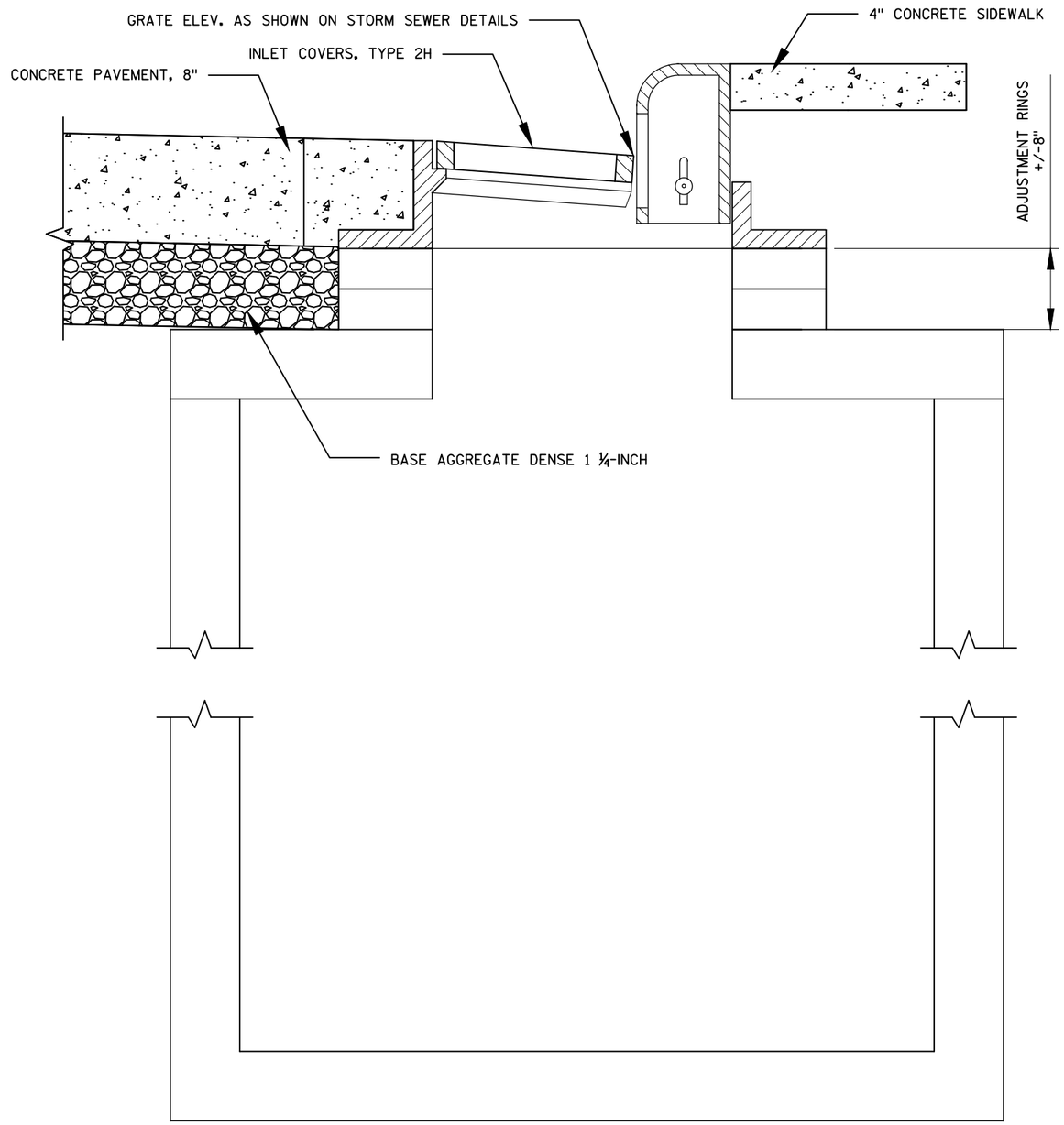


INLET COVERS, TYPE 2H

NOTE: SEE NEENAH R-3295-2 DOUBLE UNIT FRAME, GRATE, CURB BOX

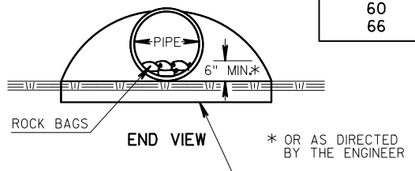
NOTE: INLET COVERS, TYPE 2H SHALL BE PLACED ON A 6X6-FT DIAMETER MANHOLE.

INLET COVERS, TYPE 2H DETAIL HAS THE EQUIVALENT DIMENSIONING AS THE NEENAH FOUNDRY R-3295-2.



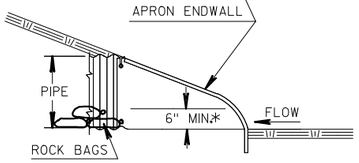
INLET COVERS TYPE 2H
ELEVATION VIEW

EST. BAG SIZE 18"X12"X6"	
PIPE SIZE	EST. AVG. BAGS
12	1
15	2
18	2
24	3
30	5
36	7
42	8
48	10
60	13
66	15



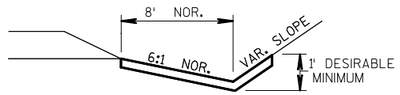
END VIEW

* OR AS DIRECTED BY THE ENGINEER

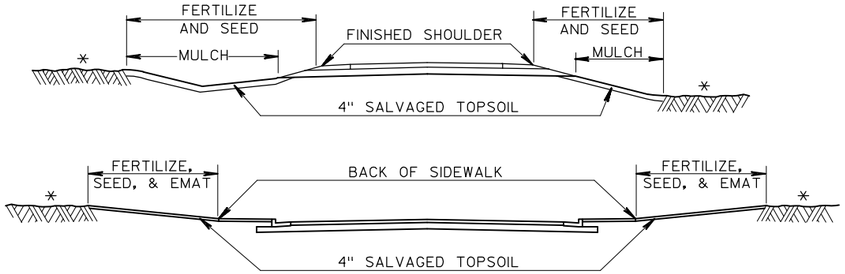


SIDE VIEW

CULVERT PIPE CHECK

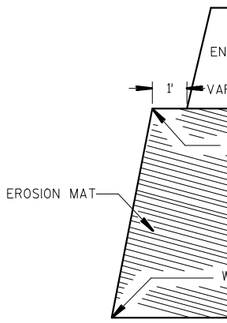


EROSION MAT DETAIL FOR DITCHES

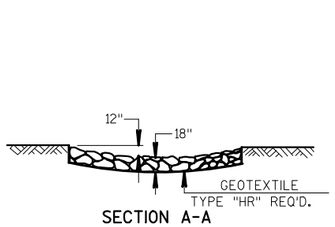


* DISTURBED AREAS TO BE FERTILIZED & SEEDED

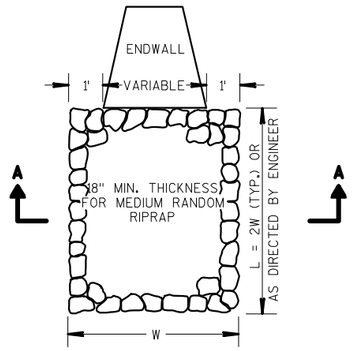
DETAIL FOR FINISHING ITEMS



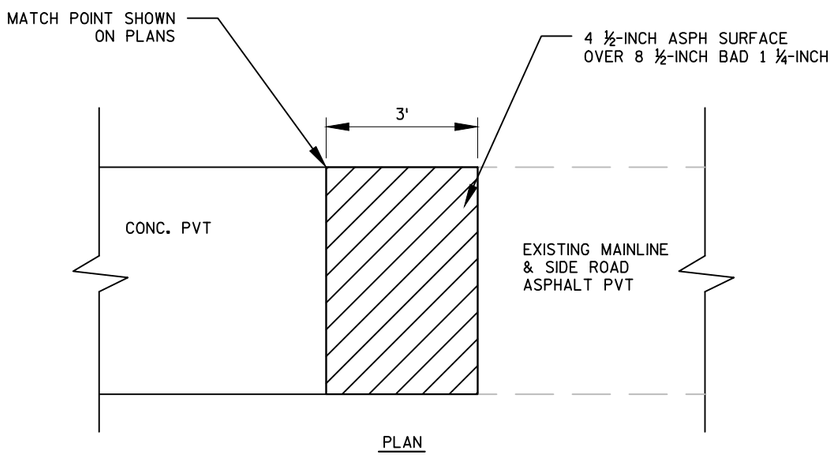
EROSION MAT TREATMENT AT CULVERTS



SECTION A-A

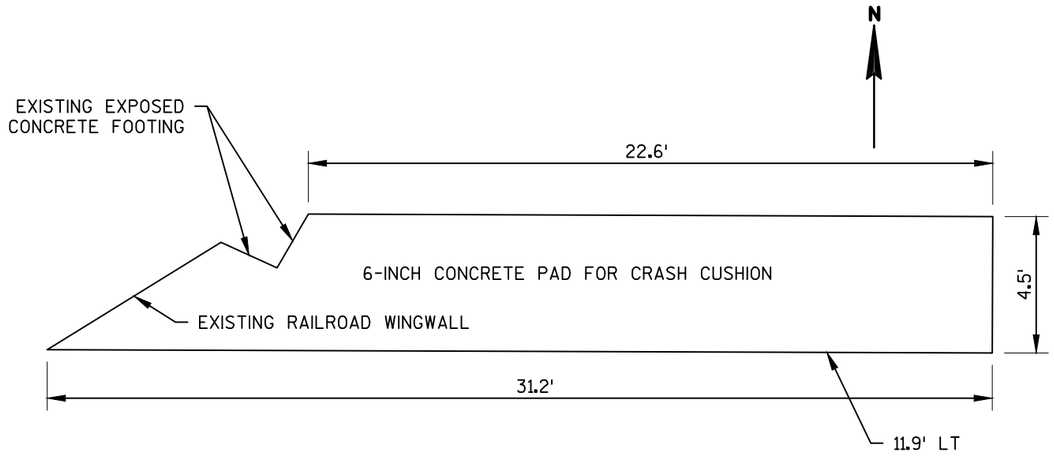


MEDIUM RIPRAP TREATMENT AT CULVERTS



PLAN

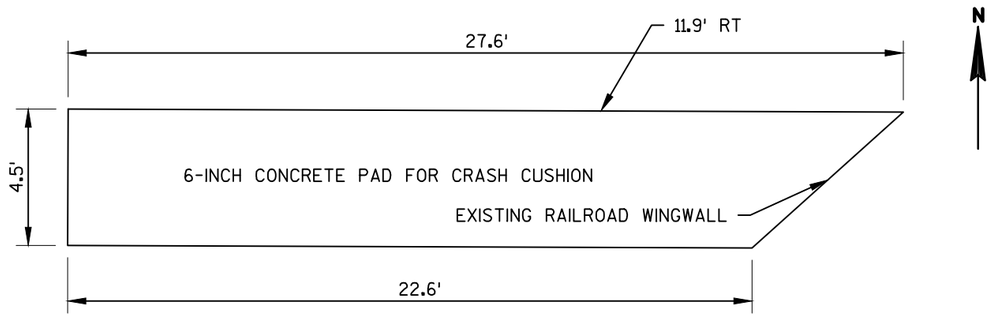
TRANSITION DETAIL AT CONSTRUCTION LIMITS



CONCRETE PAD PLAN DETAIL 2

STA 39+23P - STA 39+55 LT

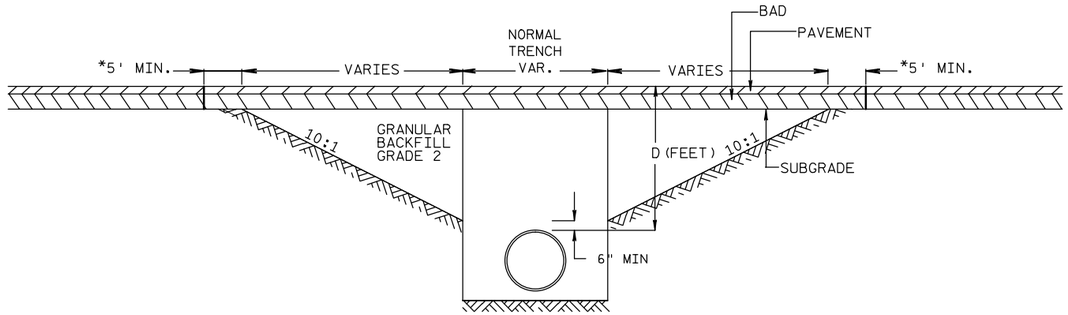
NOTES:
-PAID AS CONCRETE PAVEMENT 6-INCH
-CONSTRUCT JOINTS PER MANUFACTURER'S REQUIREMENTS

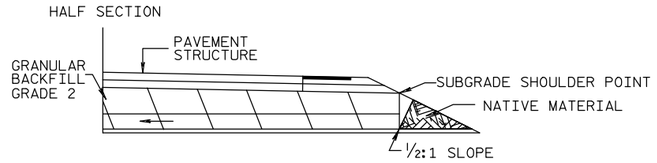


CONCRETE PAD PLAN DETAIL 1

STA 38+78P - STA 39+06 RT

NOTES:
-PAID AS CONCRETE PAVEMENT 6-INCH
-CONSTRUCT JOINTS PER MANUFACTURER'S REQUIREMENTS

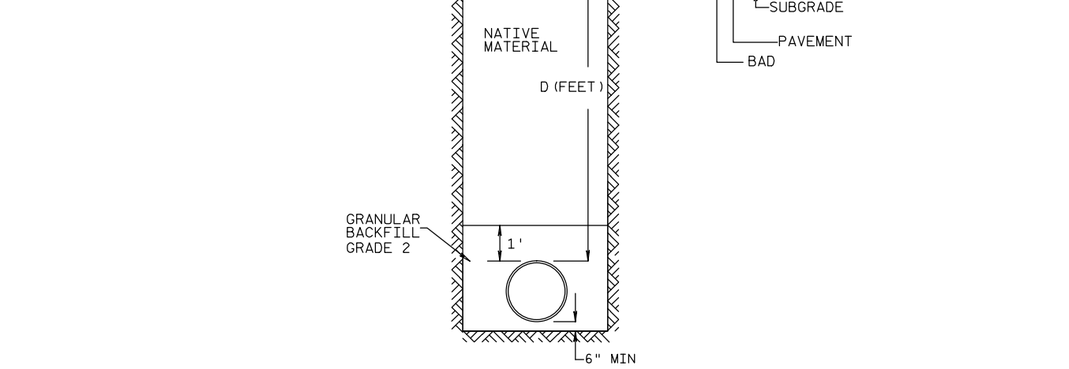


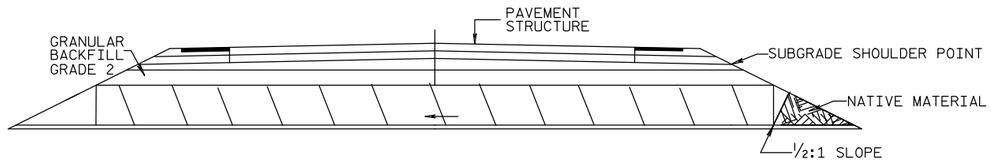


CROSS DRAIN INSTALLATION DETAIL

FOR D ≤ 5'

*PAVEMENT REMOVAL LIMITS (TYP)

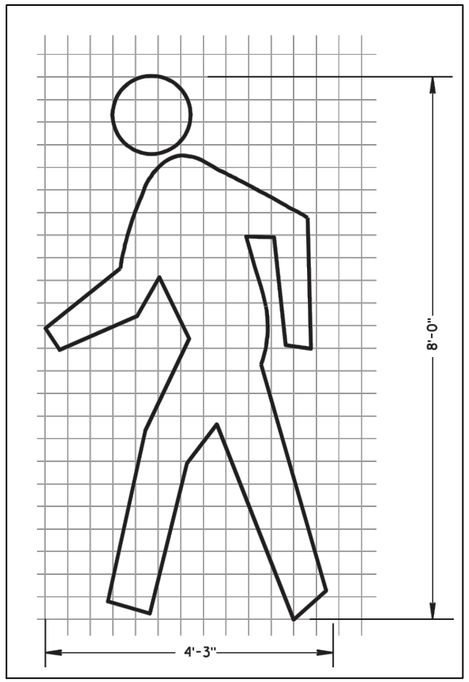




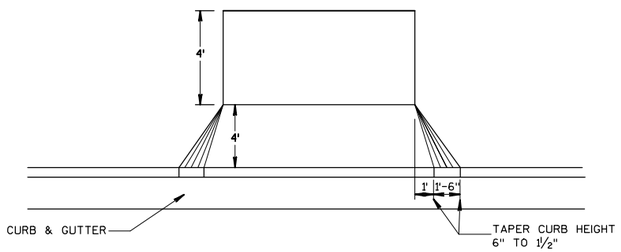
CROSS DRAIN INSTALLATION DETAIL

FOR D ≥ 5'

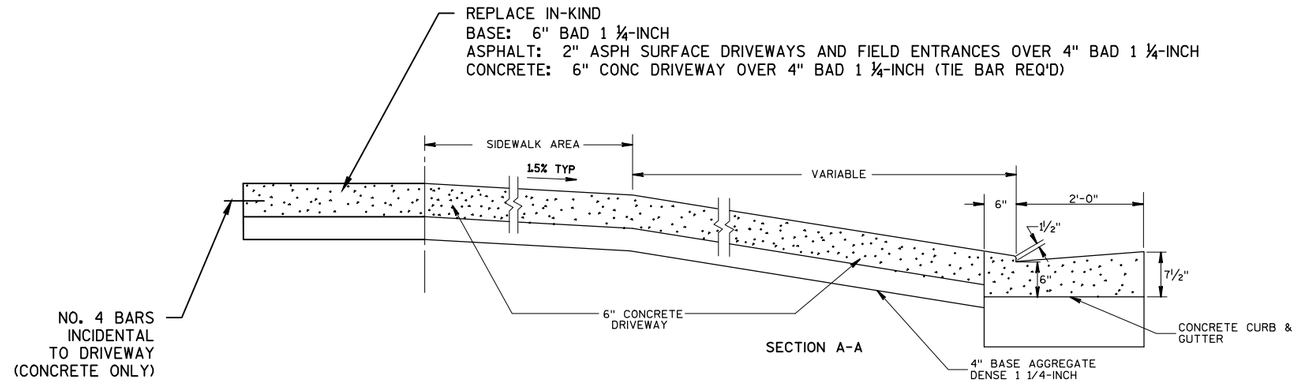
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS	SHEET 16	E



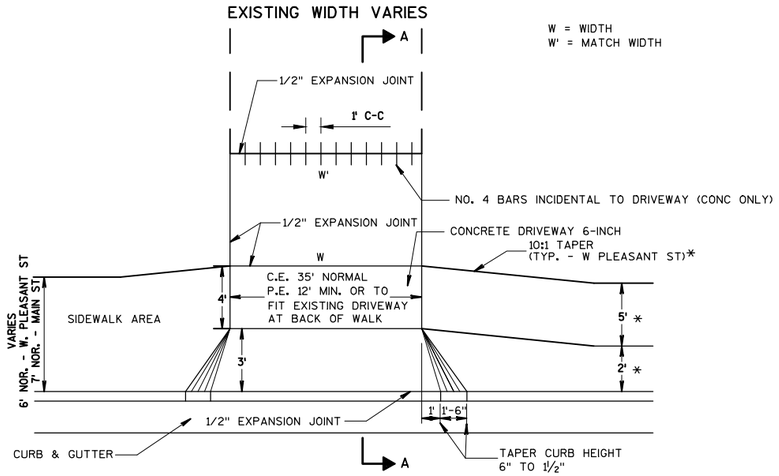
PAVEMENT MARKING SYMBOLS EPOXY



PRIVATE AND COMMERCIAL ENTRANCES



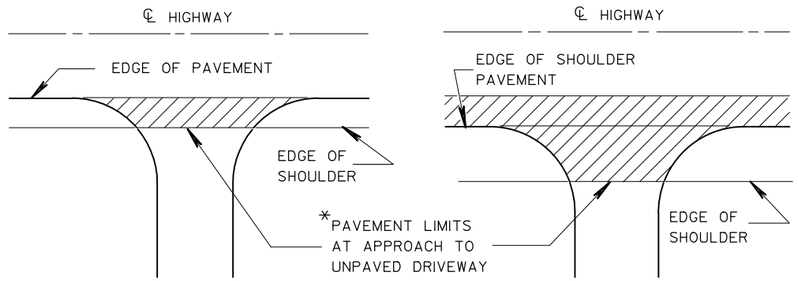
SECTION A-A



PLAN

URBAN DRIVEWAY DETAIL

STA 43+00P LT
STA 52+60 LT
STA 59+50 RT (NO SIDEWALK)
STA 60+10 RT (NO SIDEWALK)
STA 63+65 LT

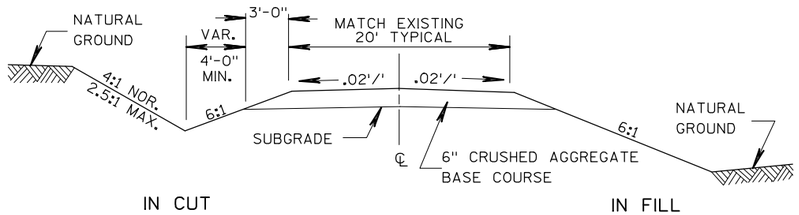


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL

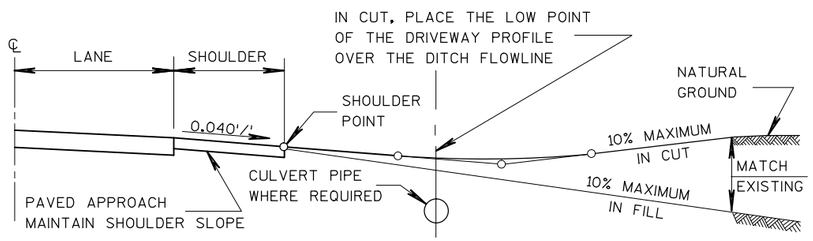


IN CUT

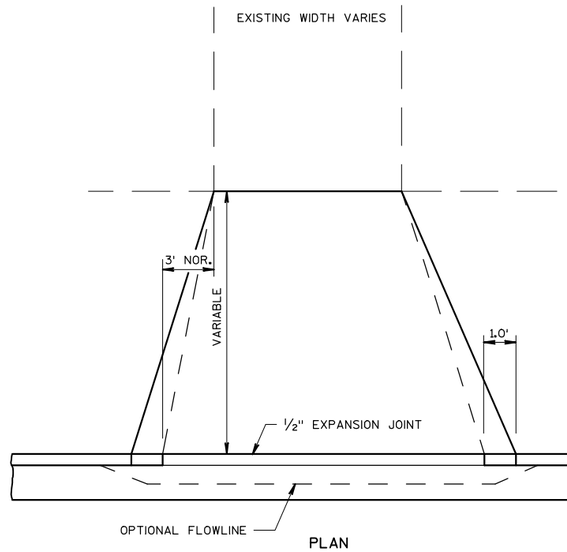
IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE

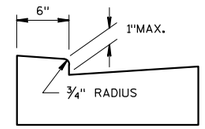
* WHERE DRIVEWAY IS PAVED, USE 2" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 4" BASE AGGREGATE DENSE 1¼-INCH



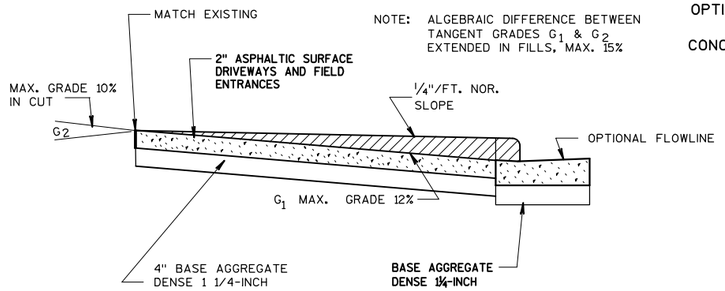
TYPICAL DRIVEWAY PROFILES



PLAN



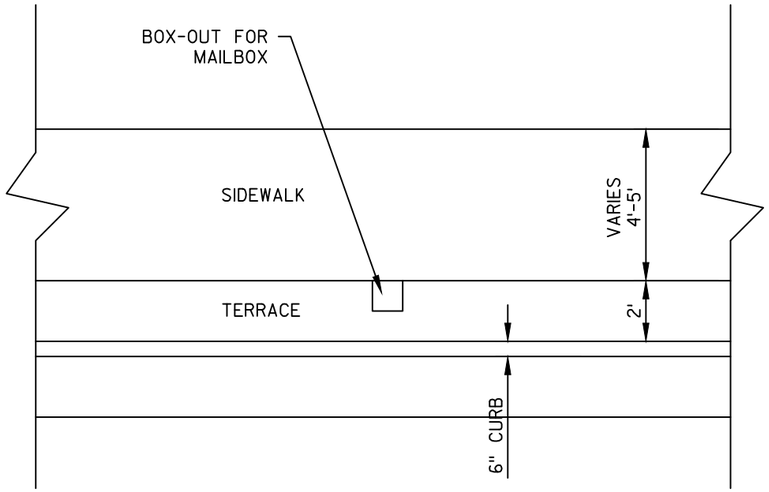
OPTIONAL METHOD FOR CONCRETE GUTTER



PROFILE

URBAN DRIVEWAY DETAIL WITHOUT SIDEWALK

(NON-CONCRETE)



NOTES;

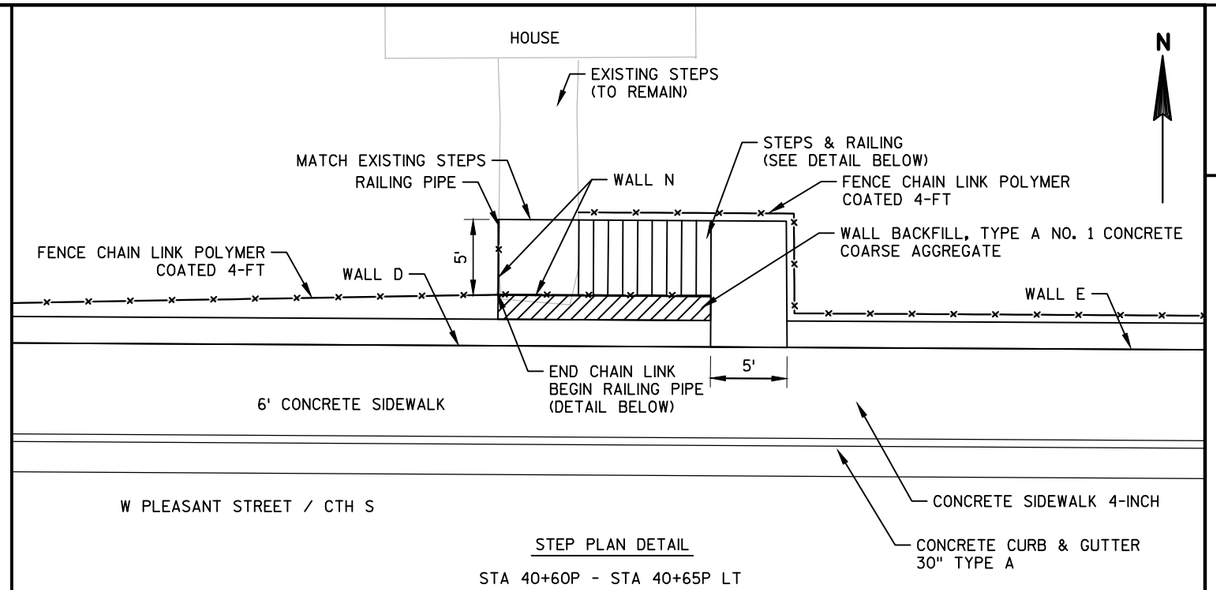
12" X 12" BOX-OUT FOR THE PLACEMENT OF MAIL BOXES IN CONCRETE TERRACE TO BE PLACED AT THE SAWCUT BETWEEN THE TERRACE AND SIDEWALK. POSITION THE BOX-OUT SO THE TOP OF THE BOX-OUT IS FLUSH WITH THE CONCRETE SURFACE.

MAILBOX BOX-OUT DETAIL

PAYMENT FOR BOX-OUT IS INCLUDED IN CONCRETE SIDEWALK 4-INCH

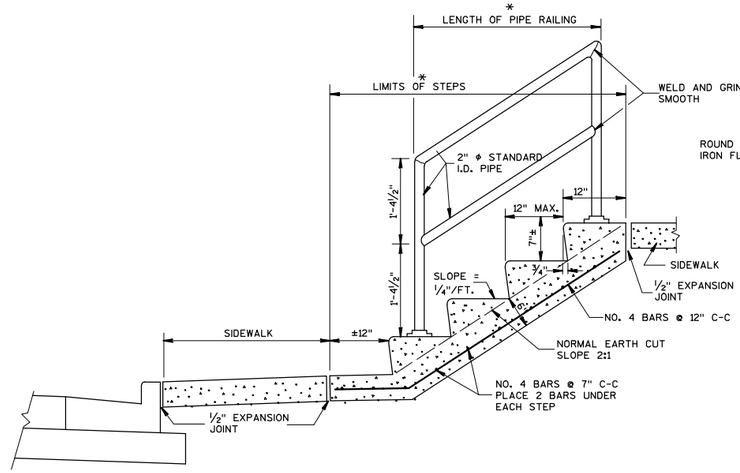
*STATION	OFFSET	NOTES
28+50P	LT	233 W PLEASANT
	LT	235 W PLEASANT
	LT	237 W PLEASANT
	LT	239 W PLEASANT
	LT	225 W PLEASANT
	LT	227 W PLEASANT
	LT	229 W PLEASANT
	LT	231 W PLEASANT (ALL BOXES ON 2 POSTS)
31+90P	LT	221 W PLEASANT
33+75P	LT	217 W PLEASANT
43+87P	LT	107 W PLEASANT
	LT	109 W PLEASANT (BOTH 107 & 109 ON 1 POST)
58+15	LT	200 S MAIN ST
59+50	LT	204 S MAIN ST
60+35	LT	208 S MAIN ST
60+95	LT	212 S MAIN ST
63+75	LT	216 S MAIN ST

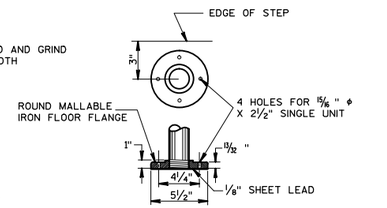
*EXACT LOCATION TO BE DETERMINED IN FIELD BY THE ENGINEER. THERE MAY BE OTHERS NOT LISTED.



STEP PLAN DETAIL

STA 40+60P - STA 40+65P LT





FLANGE DETAIL

NOTE:

THE EXACT LOCATION, WIDTHS, & NUMBER OF STEPS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

STEEL REINFORCEMENT AND PIPE RAILING NOT REQUIRED ON STEPS WITH 2 RISERS OR LESS.

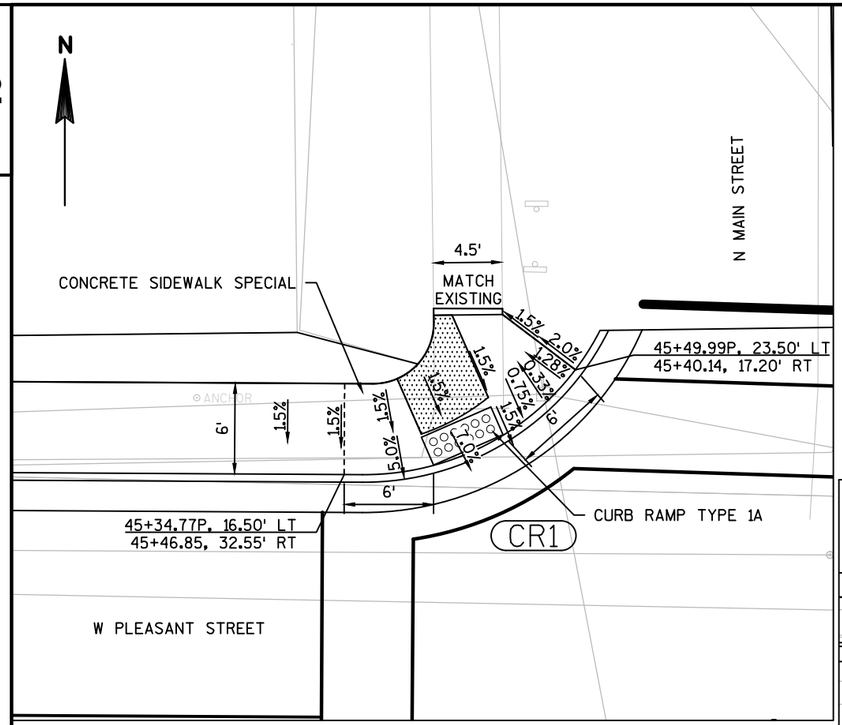
MINIMUM WIDTH OF STEP EQUALS 4 FEET.

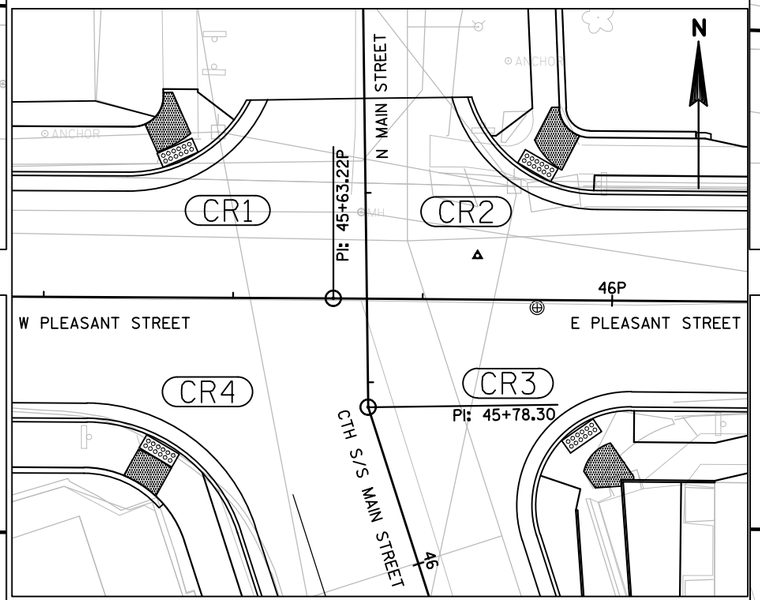
RAILING TO BE PLACED ON LEFT ASCENDING SIDE OF STEPS ONLY.

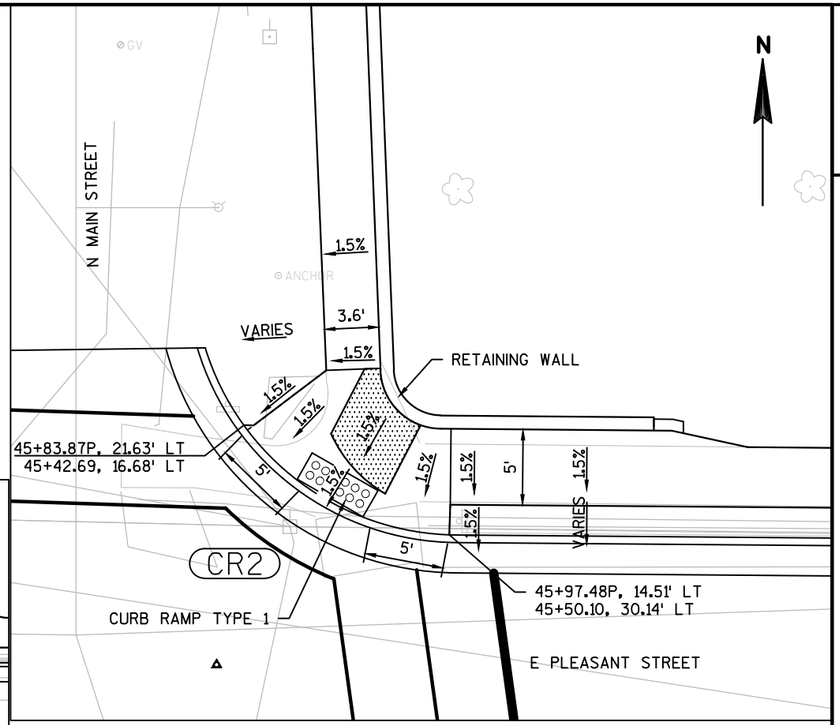
* = AS LISTED ON MQ SHEET.

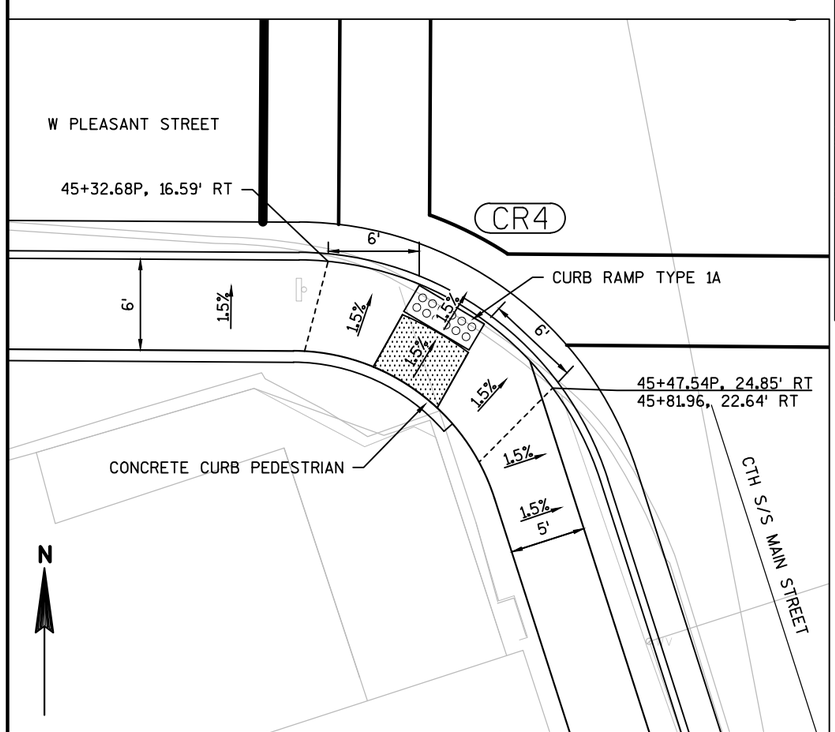
CONCRETE STEPS DETAIL

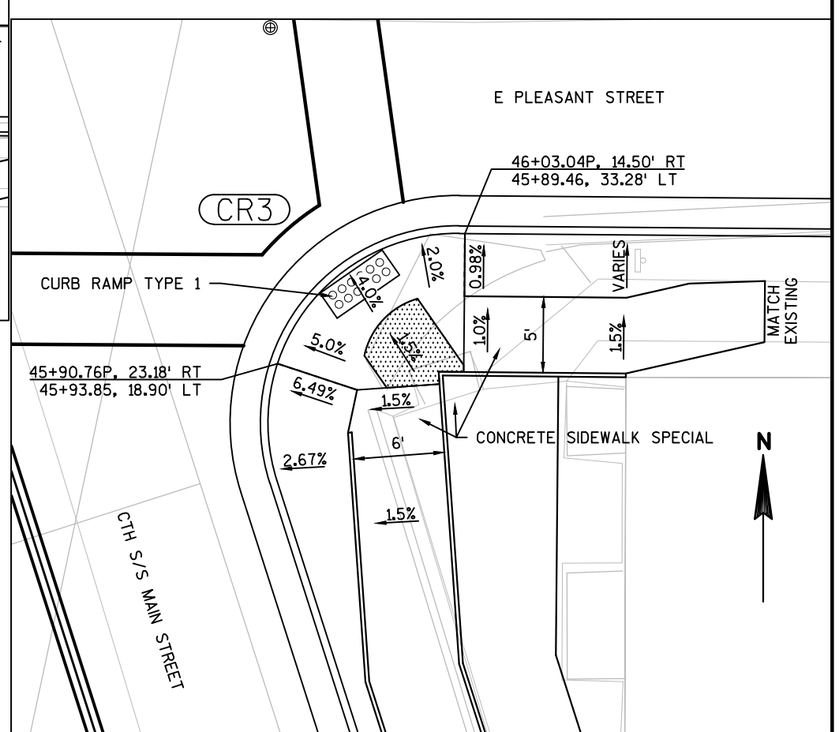
STA 21+26.53H LT
STA 60+81.23 LT
STA 40+51.21P - 40+59.93P LT









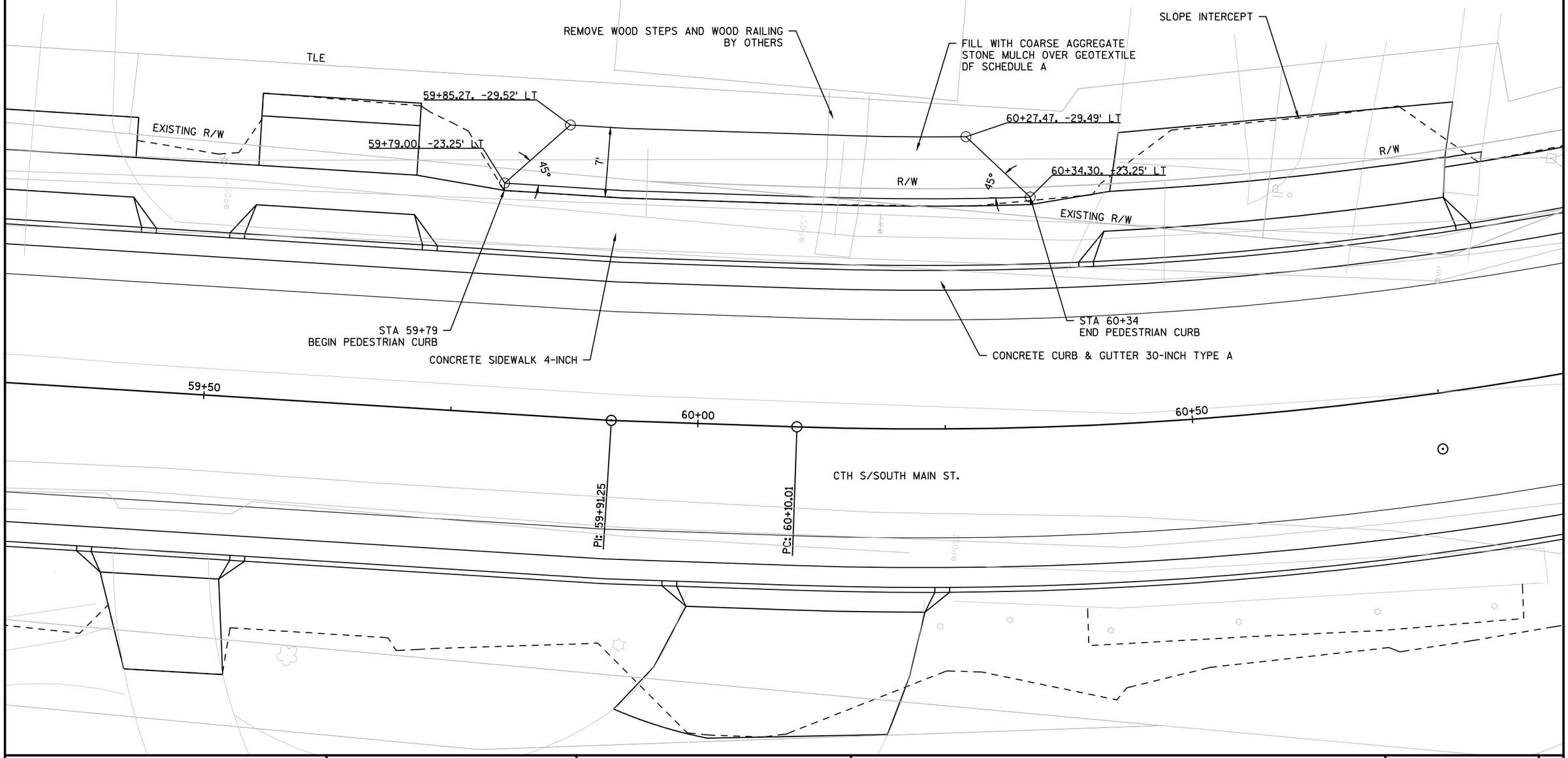


LEVEL LANDING AREA (<2% ANY DIRECTION)

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET 20	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\021002_CD.DWG
LAYOUT NAME - 021002_CD - 021002_CD
PLOT DATE : 10/25/2016 12:14 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

COARSE AGGREGATE STONE MULCH DETAIL



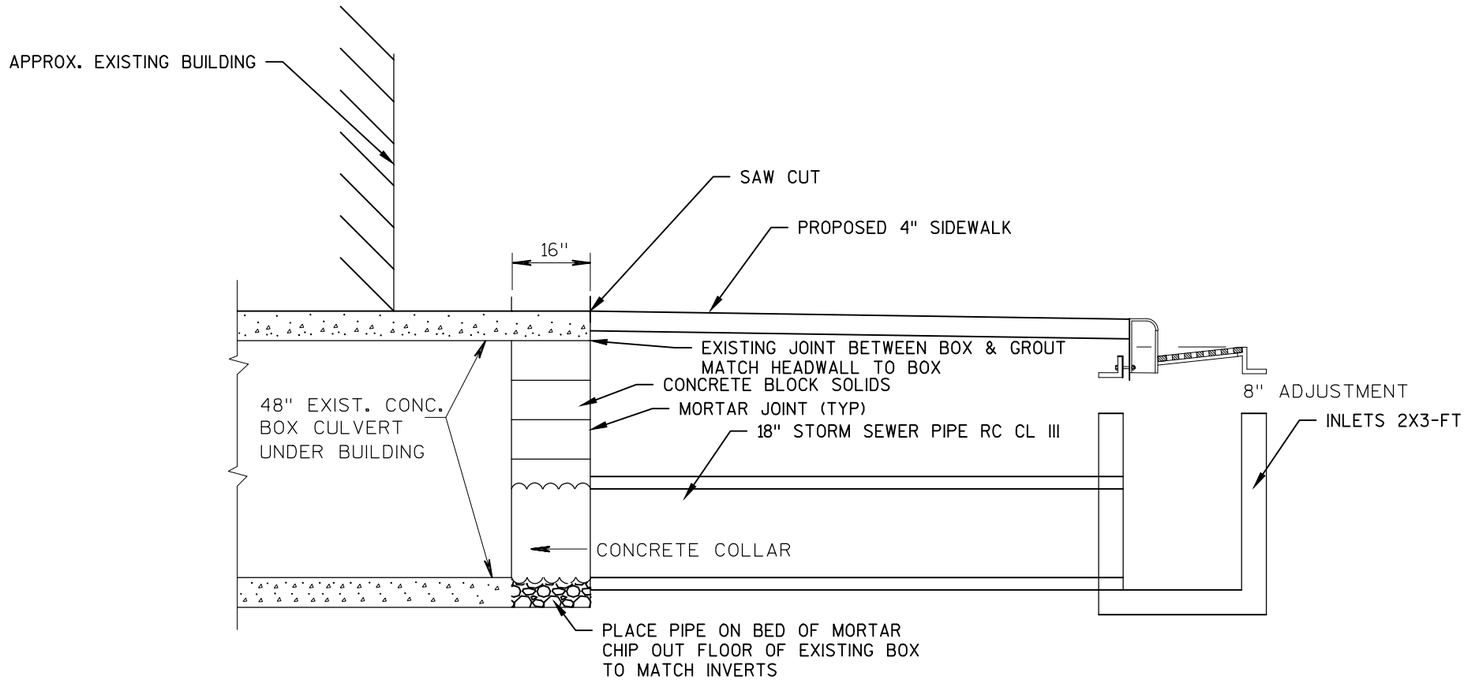
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS	SHEET	E

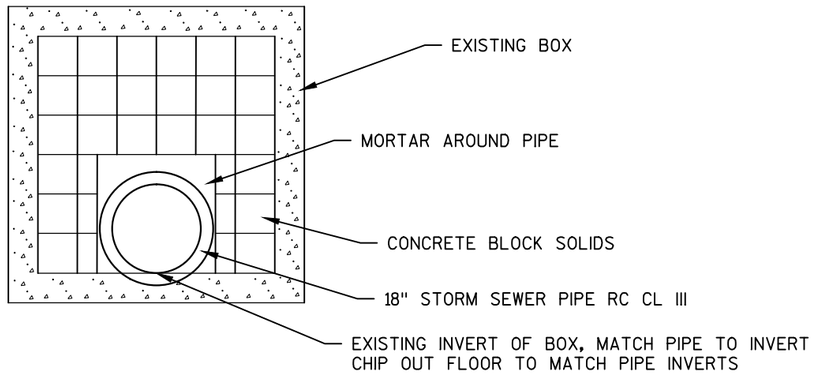
FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\021004-CD.DWG
LAYOUT NAME - ****

PLOT DATE : 10/21/2016 2:37 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

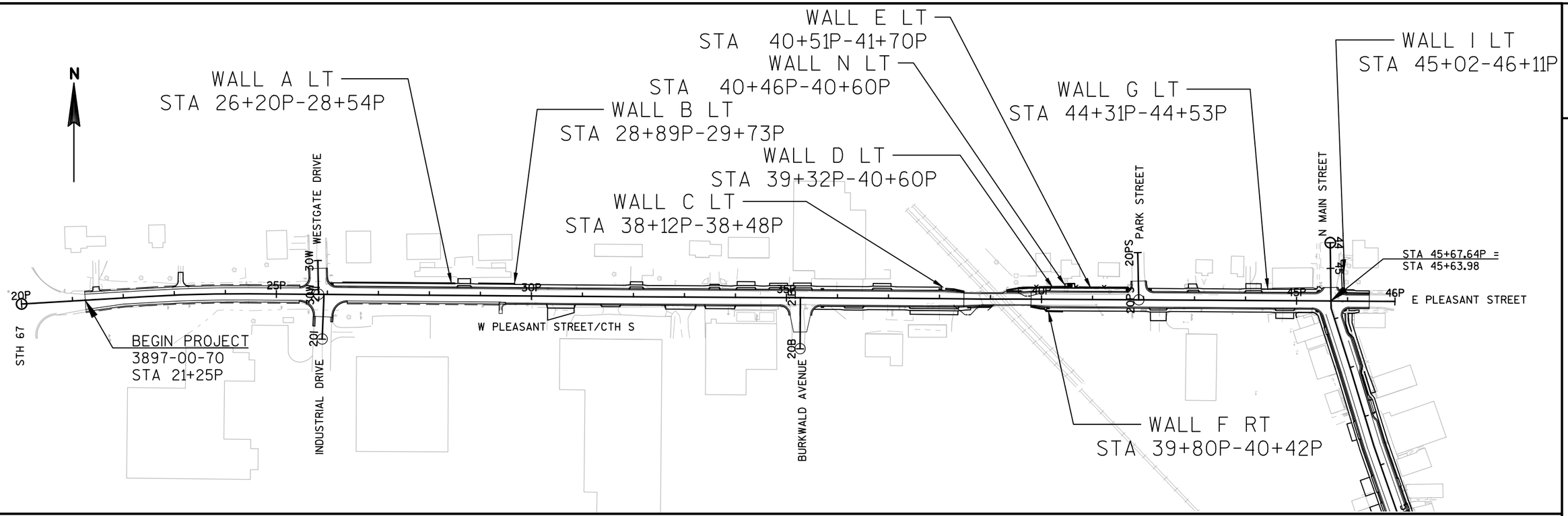
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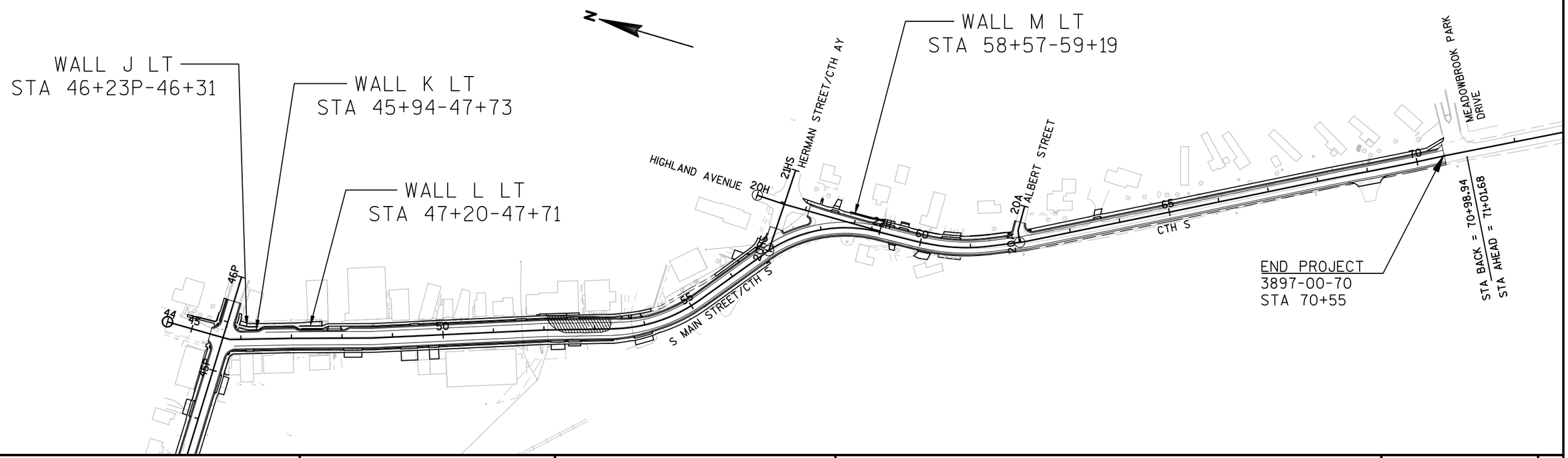




DETAILS OF CONCRETE COLLAR FOR BOX CULVERT

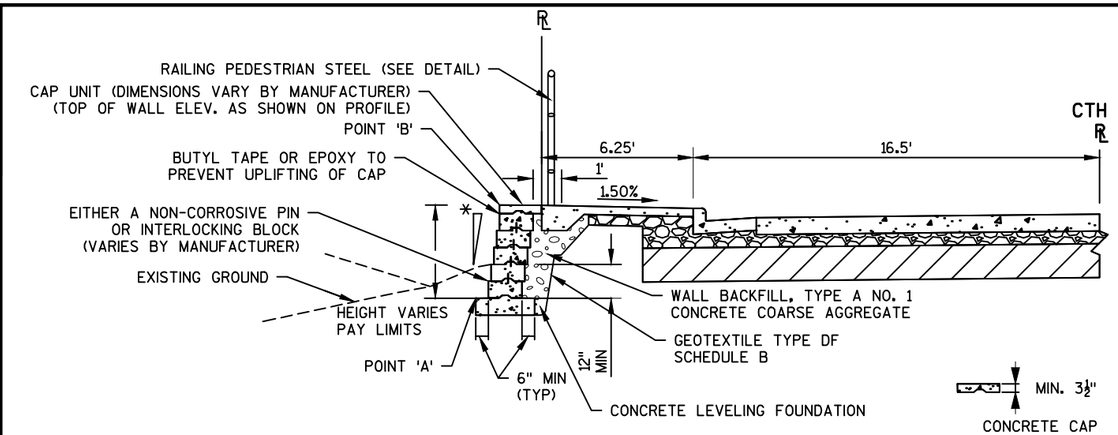
SPV.0060.31 CONCRETE COLLAR/HEADWALL





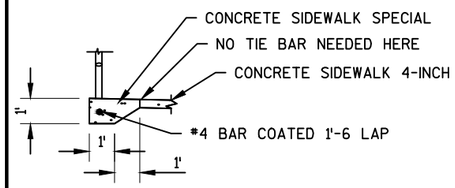
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAIL - WALL LAYOUT	SHEET 23	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\021003-CD.DWG PLOT DATE : 10/25/2016 1:44 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1"= 200'_XREF
WISDOT/CADDS SHEET 44

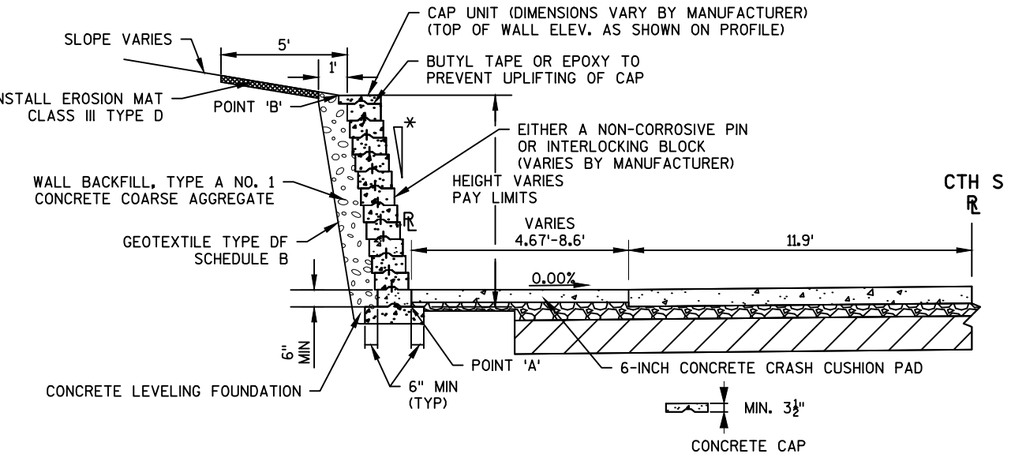


TYPICAL SECTION WALL MODULAR BLOCK GRAVITY LRFD

STA 26+20P - STA 28+54P LT (WALL A)
STA 28+89P - STA 29+73P LT (WALL B)



SIDEWALK DETAIL AT RAILING



TYPICAL SECTION WALL MODULAR BLOCK GRAVITY LRFD

STA 39+32P - STA 39+55P LT (WALL D)

NOTES:
ELEVATIONS AND LENGTHS ARE APPROXIMATE.
CONSTRUCT TO FIT TERRAIN.

DRAWING NOT TO SCALE.

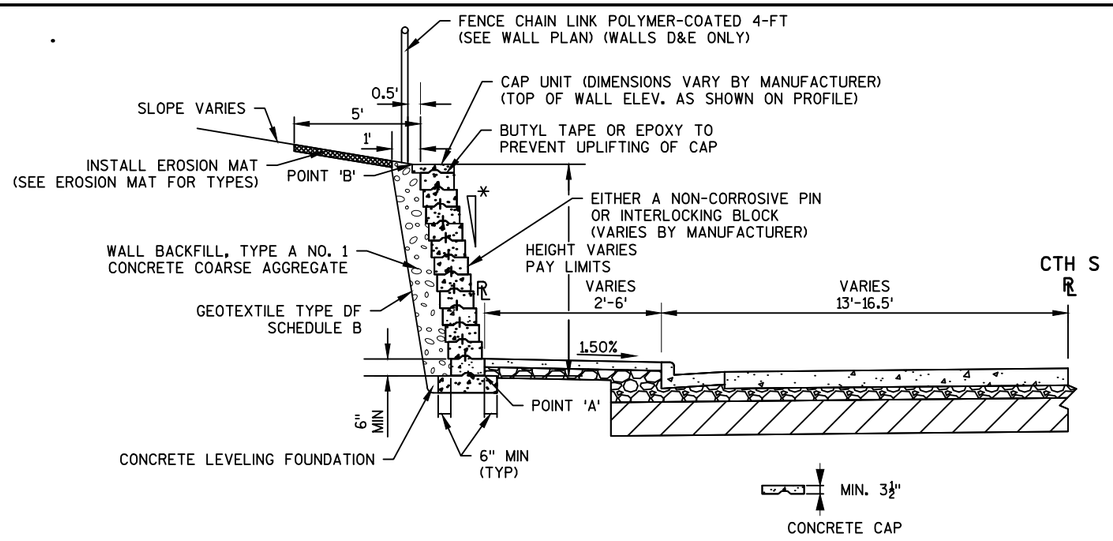
RETAINING WALL BLOCK DEPTH MIN. 8" - MAX. 12".

DEPTH VARIES BY HEIGHT OF STRUCTURE AND MANUFACTURER

POINT A AND B REFER TO THE PLAN AND PROFILE TOPS AND BOTTOMS OF WALLS. SEE THE PLAN AND PROFILES FOR MORE DETAILS.

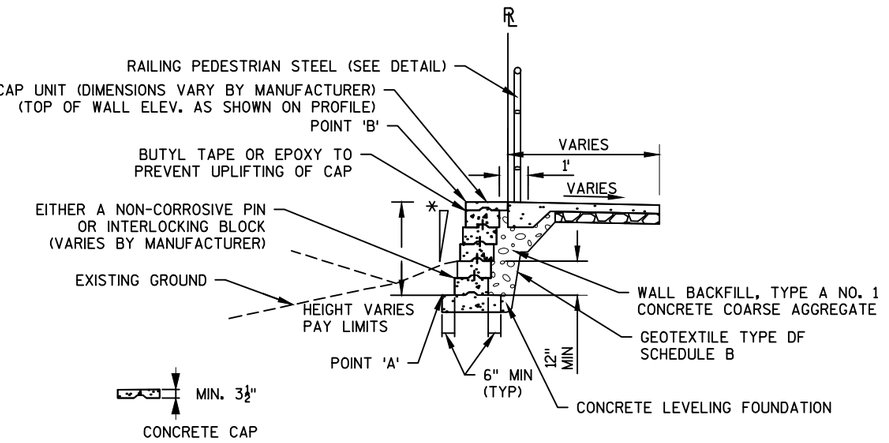
*SETBACK VARIES BY MANUFACTURER.
MAXIMUM FRONT FACE SLOPE VERTICAL
IS 1 HORIZONTAL TO 8 VERTICAL.

ALLOWABLE SOIL BEARING CAPACITY = 3,000 PSF.



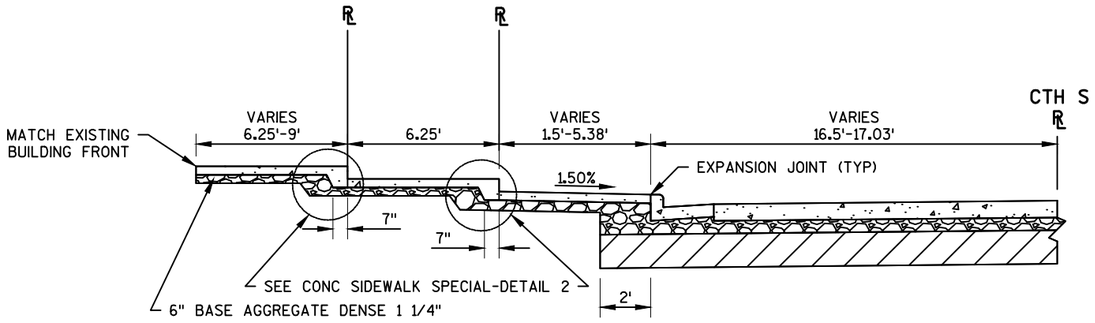
TYPICAL SECTION WALL MODULAR BLOCK GRAVITY LRFD

STA 38+12P - STA 38+48P LT (WALL C)
STA 39+55P - STA 40+60P LT (WALL D)
STA 40+65P - STA 41+70P LT (WALL E) (PLACE IN FRONT OF EXISTING WALL)
STA 39+80P - STA 40+42P RT (REVERSED) (WALL F)



TYPICAL SECTION WALL MODULAR BLOCK GRAVITY LRFD

STA 40+46P - STA 40+60P LT (WALL N)



NOTES:
ELEVATIONS AND LENGTHS ARE APPROXIMATE.
CONSTRUCT TO FIT TERRAIN.

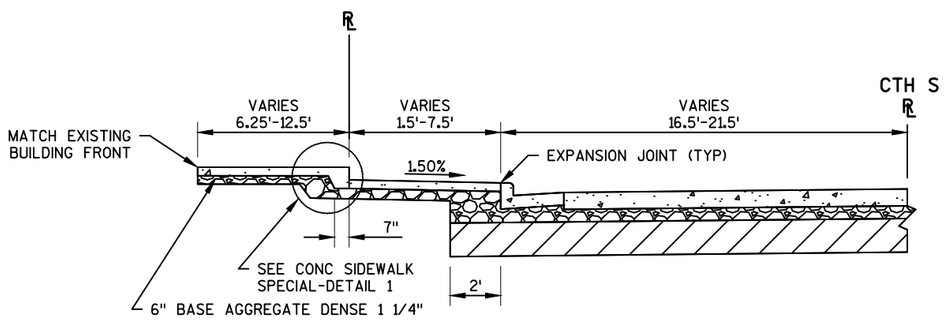
DRAWING NOT TO SCALE.

RETAINING WALL BLOCK DEPTH MIN. 8" - MAX. 12".

DEPTH VARIES BY HEIGHT OF STRUCTURE AND MANUFACTURER

TYPICAL SECTION FOR CONCRETE SIDEWALK SPECIAL

STA 45+98 - STA 46+33 LT (WALLS J & K)
STA 47+16 - STA 47+60 LT (WALLS L & K)



NOTES:
ELEVATIONS AND LENGTHS ARE APPROXIMATE.
CONSTRUCT TO FIT TERRAIN.

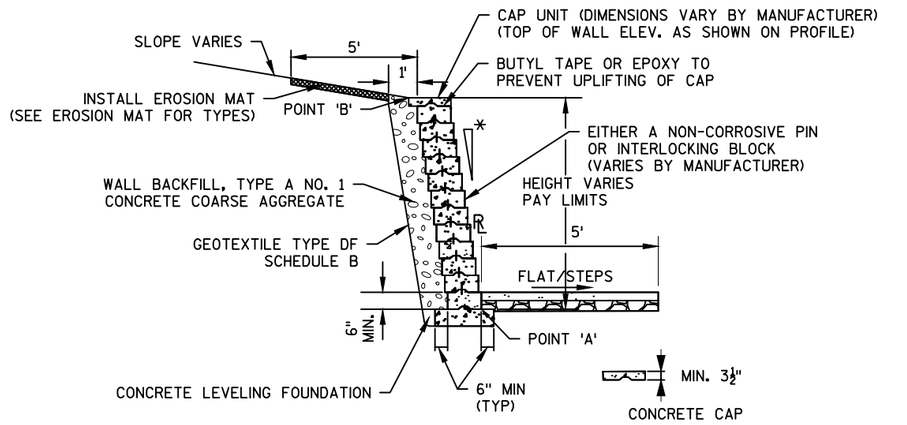
DRAWING NOT TO SCALE.

RETAINING WALL BLOCK DEPTH MIN. 8" - MAX. 12".

DEPTH VARIES BY HEIGHT OF STRUCTURE AND MANUFACTURER

TYPICAL SECTION FOR CONCRETE SIDEWALK SPECIAL

STA 46+33 - STA 47+16 LT (WALL K)



TYPICAL SECTION WALL MODULAR BLOCK GRAVITY LRFD

STA 40+51P - STA 40+65P LT (WALL E)

NOTE: POINT A AND B REFER TO THE PLAN AND PROFILE TOPS AND BOTTOMS OF WALLS.
SEE THE PLAN AND PROFILES FOR MORE DETAILS.

NOTES:
ELEVATIONS AND LENGTHS ARE APPROXIMATE.
CONSTRUCT TO FIT TERRAIN.

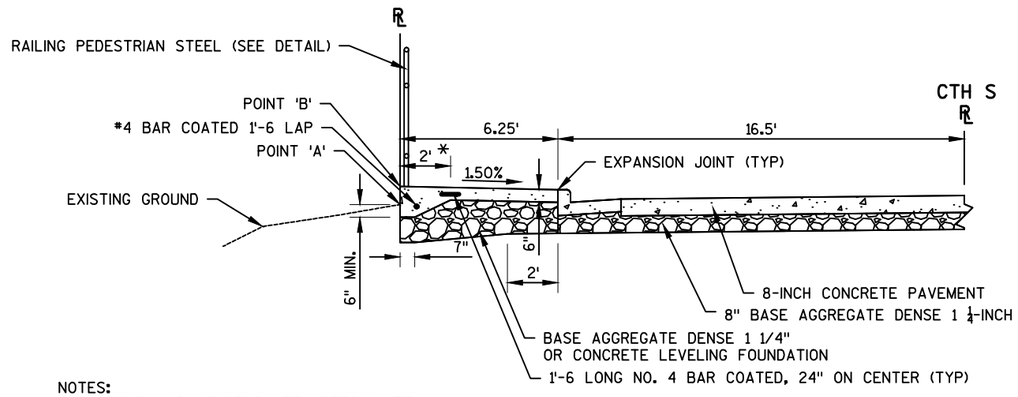
DRAWING NOT TO SCALE.

RETAINING WALL BLOCK DEPTH MIN. 8" - MAX. 12".

DEPTH VARIES BY HEIGHT OF STRUCTURE AND MANUFACTURER

*SETBACK VARIES BY MANUFACTURER.
MAXIMUM FRONT FACE SLOPE VERTICAL
IS 1 HORIZONTAL TO 8 VERTICAL.

ALLOWABLE SOIL BEARING CAPACITY = 3,000 PSF.



NOTES:
ELEVATIONS AND LENGTHS ARE APPROXIMATE.
CONSTRUCT TO FIT TERRAIN.

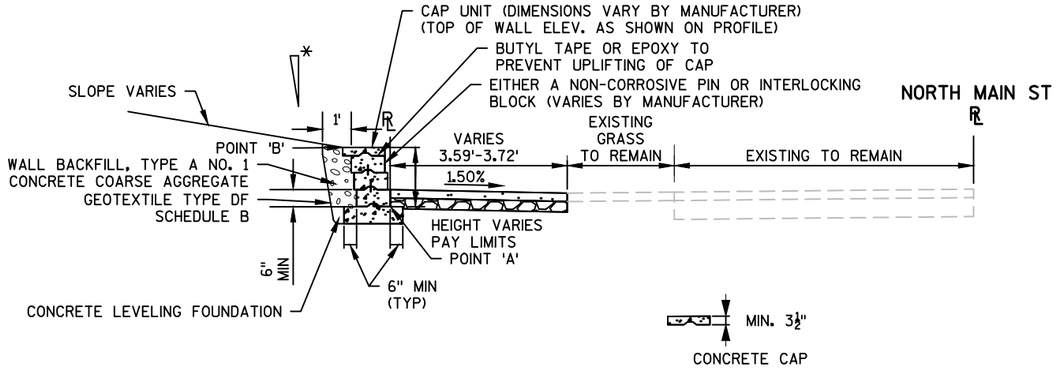
DRAWING NOT TO SCALE.

RETAINING WALL BLOCK DEPTH MIN. 8" - MAX. 12".

*=2" MIN. LONGITUDINAL TOOLED OR SAWED JOINT.

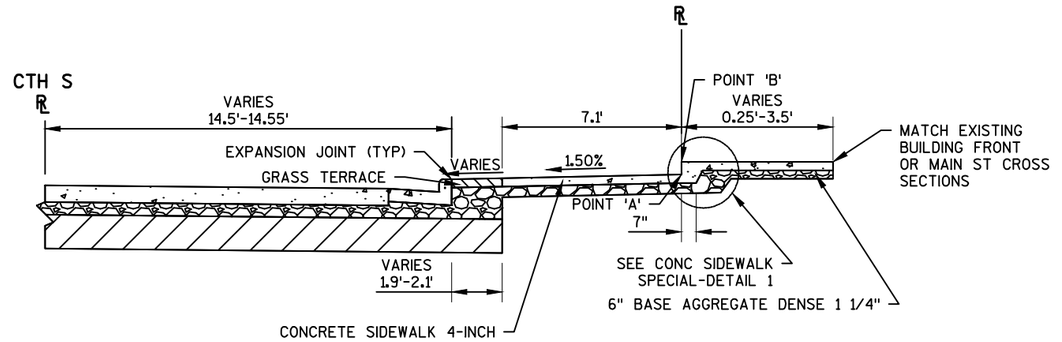
TYPICAL SECTION FOR CONCRETE SIDEWALK SPECIAL

STA 44+31P - STA 44+53P LT (WALL G)
STA 44+80P - STA 45+39P LT



TYPICAL SECTION WALL MODULAR BLOCK GRAVITY LRFD

STA 45+02 - STA 45+38 LT (WALL I)



TYPICAL SECTION FOR CONCRETE SIDEWALK SPECIAL

STA 46+01P - STA 46+14P RT (REVERSED) (WALL J)

NOTES:
ELEVATIONS AND LENGTHS ARE APPROXIMATE.
CONSTRUCT TO FIT TERRAIN.

DRAWING NOT TO SCALE.

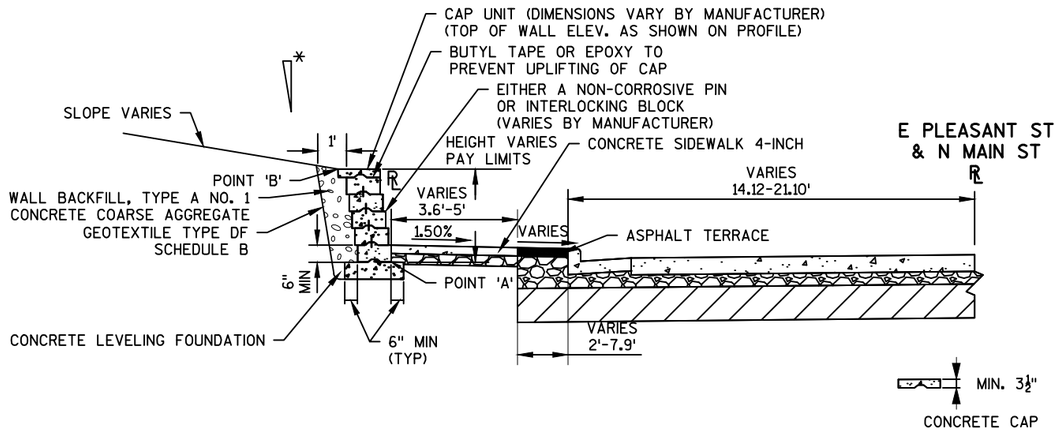
RETAINING WALL BLOCK DEPTH MIN. 8" - MAX. 12".

DEPTH VARIES BY HEIGHT OF STRUCTURE AND MANUFACTURER

POINT A AND B REFER TO THE PLAN AND PROFILE TOPS AND BOTTOMS OF WALLS. SEE THE PLAN AND PROFILES FOR MORE DETAILS.

*SETBACK VARIES BY MANUFACTURER.
MAXIMUM FRONT FACE SLOPE VERTICAL
IS 1 HORIZONTAL TO 8 VERTICAL.

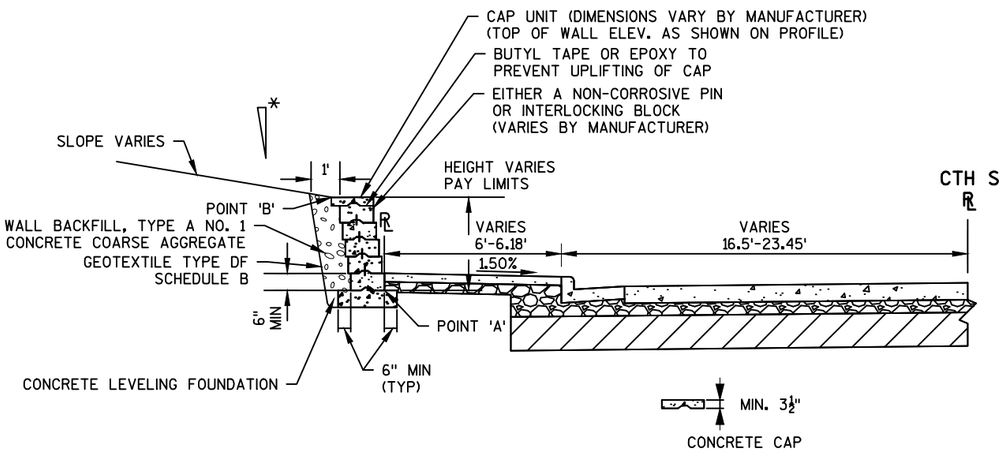
ALLOWABLE SOIL BEARING CAPACITY = 3,000 PSF.



TYPICAL SECTION WALL MODULAR BLOCK GRAVITY LRFD

STA 45+95P - STA 46+11P LT (WALL I)

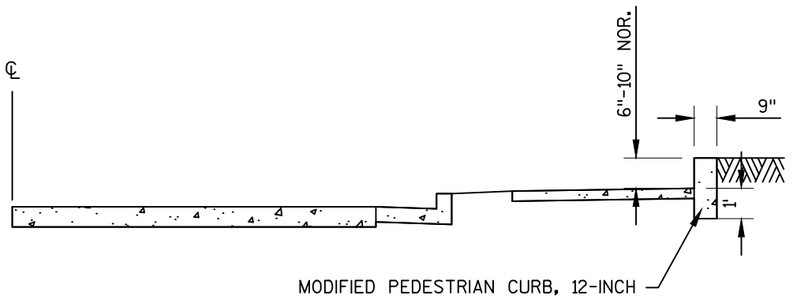
*SETBACK VARIES BY MANUFACTURER.
MAXIMUM FRONT FACE SLOPE VERTICAL
IS 1 HORIZONTAL TO 8 VERTICAL.



TYPICAL SECTION WALL MODULAR BLOCK GRAVITY LRFD

STA 58+57 - STA 59+19 LT (WALL M)

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS	SHEET 26	E

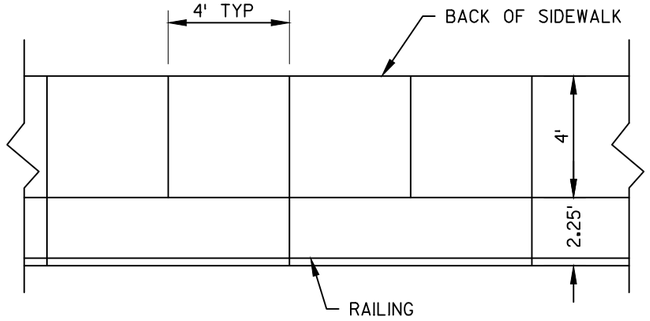


NOTE:
CURB HEIGHT MAY BE ADJUSTED TO MATCH EXISTING GROUND

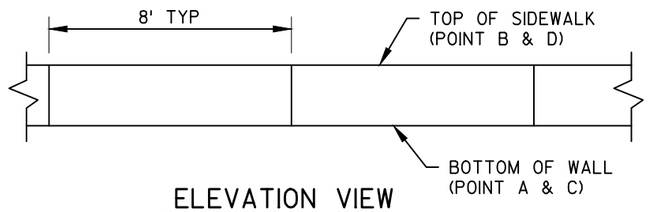
MODIFIED PEDESTRIAN CURB, 12-INCH

STA 43+04P - STA 43+07P LT (DRIVEWAY)
STA 44+99P - STA 45+10P RT
STA 59+79 - STA 60+34 LT
STA 61+00 - STA 61+73 LT

NOTE: POINT A, B, C, AND D REFER TO THE PLAN AND PROFILE TOPS AND BOTTOMS OF WALLS. SEE THE PLAN AND PROFILES FOR MORE DETAILS.

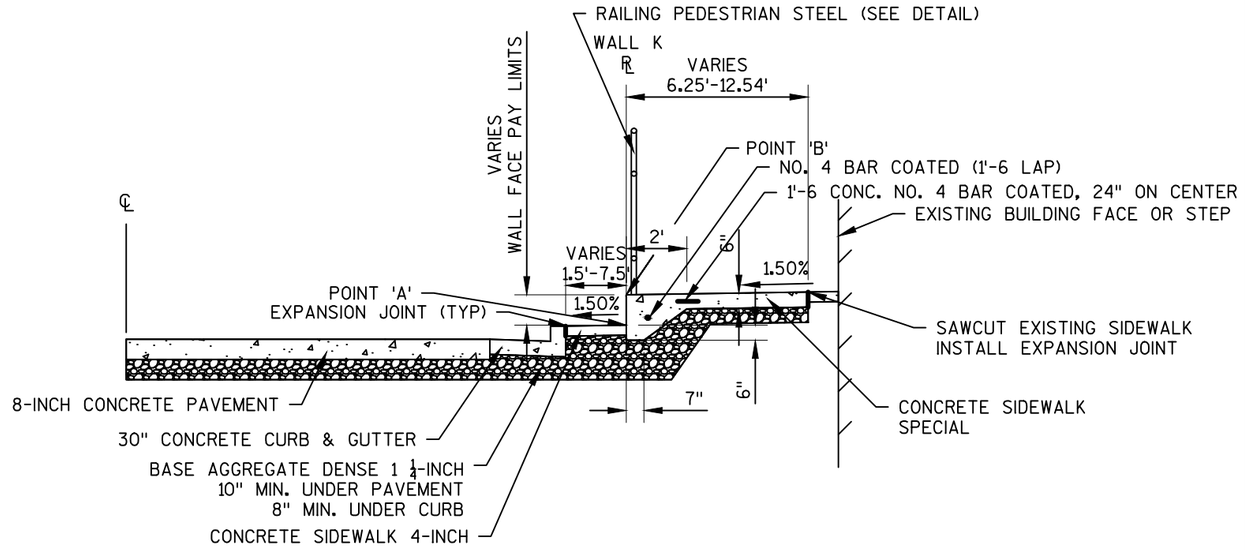


PLAN



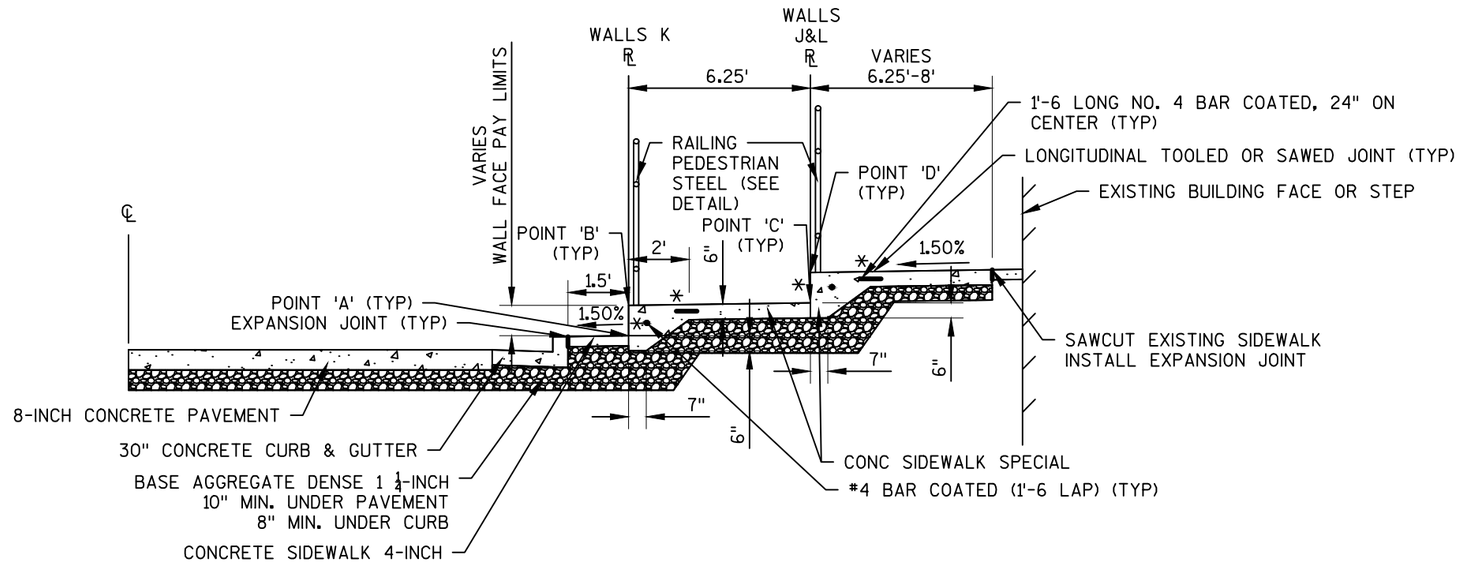
ELEVATION VIEW

JOINT DETAIL



CONCRETE SIDEWALK SPECIAL - DETAIL 1

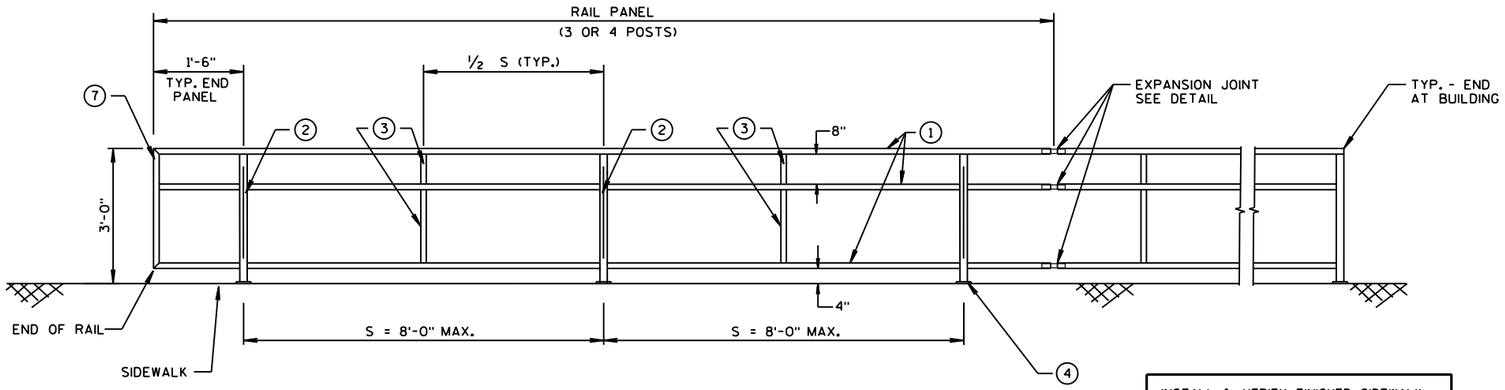
STA 46+33 - STA 47+16 (WALL K) (REVERSED)



CONCRETE SIDEWALK SPECIAL - DETAIL 2

STA 45+98 - STA 46+33 (WALL J & K) (REVERSED)
STA 47+16 - STA 47+60 (WALL L & K) (REVERSED)

* 2" MIN. TOP & FRONT FACE TOOLED OR SAWED JOINT AT EVERY OTHER SIDEWALK JOINT



ELEVATION - RAILING PEDESTRIAN STEEL

INSTALL & VERIFY FINISHED SIDEWALK LOCATIONS AND ELEVATIONS PRIOR TO FABRICATING RAILING PEDESTRIAN STEEL.

LEGEND

1. 2" X 1½" X 3/16" STRUCTURAL TUBING. BEVEL ENDS AT NO. 6 CONNECTIONS.
2. 2" X 2" X 3/16" STRUCTURAL TUBING. CUT BOTTOM OF POST LEVEL. HOLD 1/16" ABOVE BASE PLATE TO ALLOW POST AND BASE PLATE TO BE WELDED TOGETHER. PLACE POST VERTICAL AND CENTERED ON BASE PLATE.
3. 2" X 2" X 3/16" STRUCTURAL TUBING. PLACE VERTICAL, WELD TO NO. 1.
4. BASE PLATE ½" X 4" X 7" WITH ¾" X 1½" SLOTTED HOLES FOR MASONRY ANCHORS NO. 5. WELD TO NO. 2 AS SHOWN.
5. ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 Ksi) WITH NUT AND WASHERS OF SAME ALLOY GROUP. EMBED 7" IN CONCRETE FOR RAIL POSTS.
6. ¼" X 4" X 9" ANCHOR PLATE WITH 11/16 " ϕ HOLES FOR THREADED RODS NO. 5.
7. 2" X 1½" X 3/16" STRUCTURAL TUBING. PLACE VERTICAL. BEVEL TOP AND BOTTOM ENDS AT 45° AND WELD TO NO. 1.
8. RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES OR BAR STOCK. PROVIDE "SLIDING FIT".
9. RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES OR BAR STOCK. (12" LONG).

GENERAL NOTES

STRUCTURAL TUBING SHALL CONFORM TO ASTM DESIGNATION A500 GRADE B. PLATES AND BARS SHALL CONFORM TO ASTM DESIGNATION A709 GRADE 36.

THE ITEM "RAILING PEDESTRIAN STEEL" SHALL INCLUDE ALL WORK SHOWN, INCLUDING CONCRETE BASES, ANCHORAGES, REINFORCING STEEL, MASONRY ANCHORS TYPE S, GALVANIZING, AND PAINTING.

FINAL LOCATIONS OF THE "RAILING POSTS", THE CONCRETE BASES FOR STEEL RAILING AND SIDEWALK ELEVATIONS SHALL BE VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF RAILING.

POST BASE PLATES NO. 4 SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUT.

STEEL SHIMS SHALL BE PROVIDED AND USED UNDER BASE PLATES WHERE REQUIRED FOR ALIGNMENT AND SHALL BE GALVANIZED.

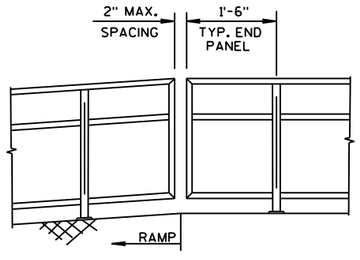
PLACE ¼" ϕ VENT HOLES LOCATED IN BOTTOM OF HORIZONTAL RAILS AT RAIL POSTS AND AT LOW END OF RAILING. VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING.

ALL MATERIALS EXCEPT NO. 5 SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS.

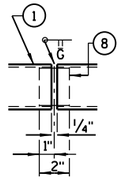
PAINT OVER GLAVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE "RAILING PEDESTRIAN STEEL" SPECIAL PROVISION. THE FINISH COLOR SHALL BE BLACK FEDERAL STANDARD COLOR NO. 27038. AT COMPLETION OF STEEL RAILING INSTALLATION, PAINT THE TOPS OF ANCHOR BOLTS AND NUTS WITH THE TIE COAT. TOUCH-UP PAINT WITH THE TOP COAT ALL DAMAGED AREAS AND THE ANCHOR BOLTS TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST. DO NOT PAINT ANCHORAGE NO. 5 AND SHIMS.

CAULK AROUND PERIMETER OF BASE PLATES, NO. 4 AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

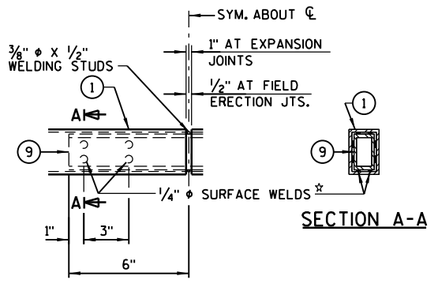
RAILING SHALL BE FABRICATED IN LENGTHS THAT INCLUDE 3 OR 4 POSTS.



AT RAMP BREAK POINT
(TYP.)



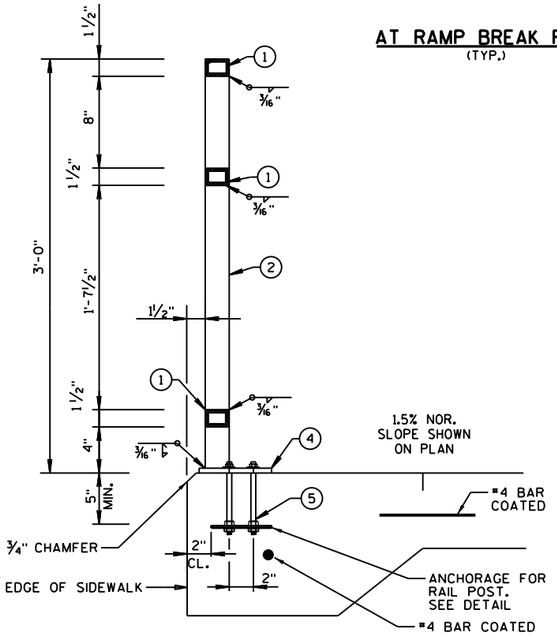
SHOP RAIL SPLICE DETAIL
(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



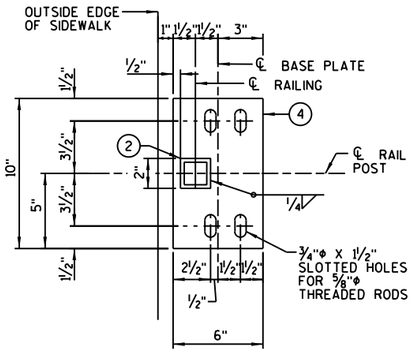
FIELD ERECTION JOINT DETAIL
☆MIN. ⅝" FLAT SURFACE DIA. PUNCHINGS OR STUDS MAY BE USED AS AN ALTERNATE.

SECTION A-A

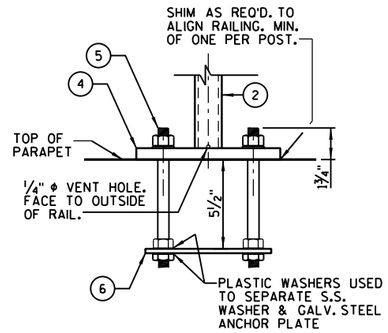
JOINT DETAILS



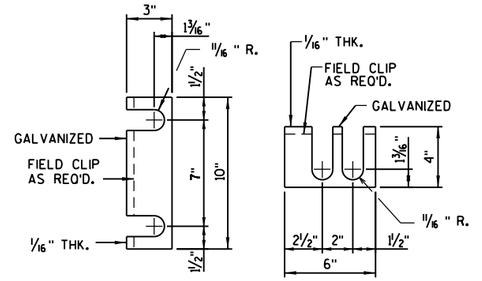
SECTION THROUGH RAILING ON SIDEWALK



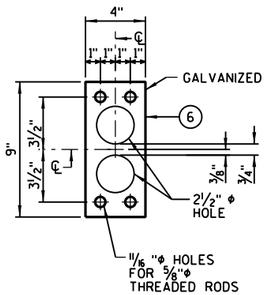
TYPICAL RAIL POST BASE PLATE



ANCHORAGE FOR RAIL POSTS

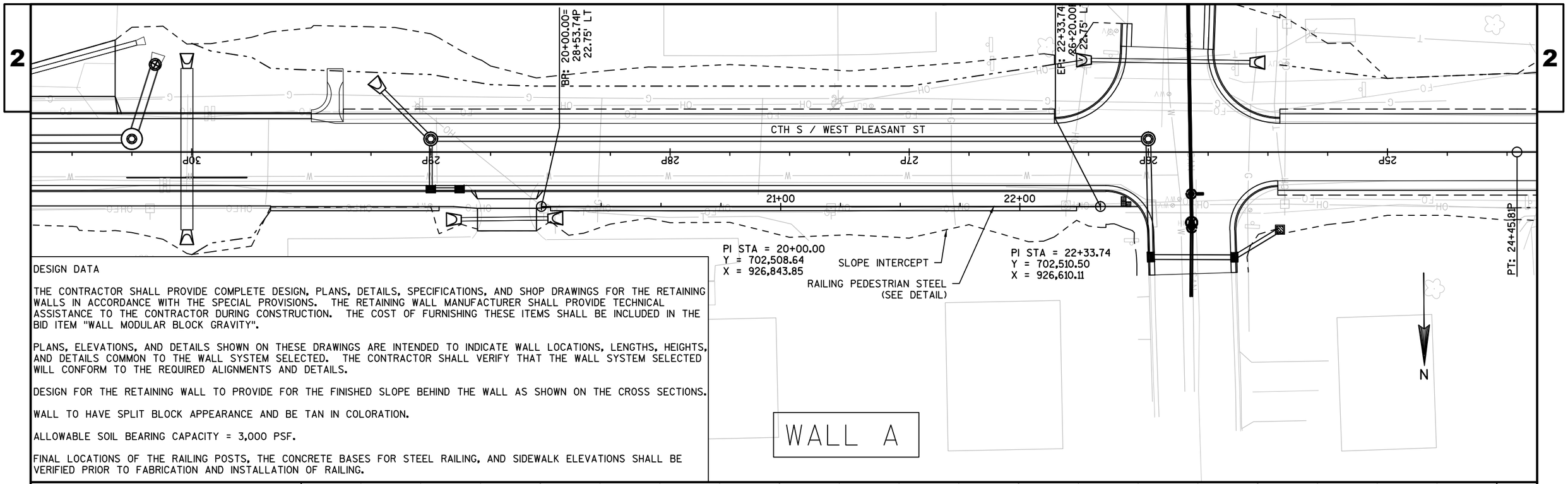


RAIL POST SHIM DETAIL
(2 SETS PER POST)



ANCHOR PLATE

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - RAILING PEDESTRIAN STEEL	SHEET 28	E



DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY".

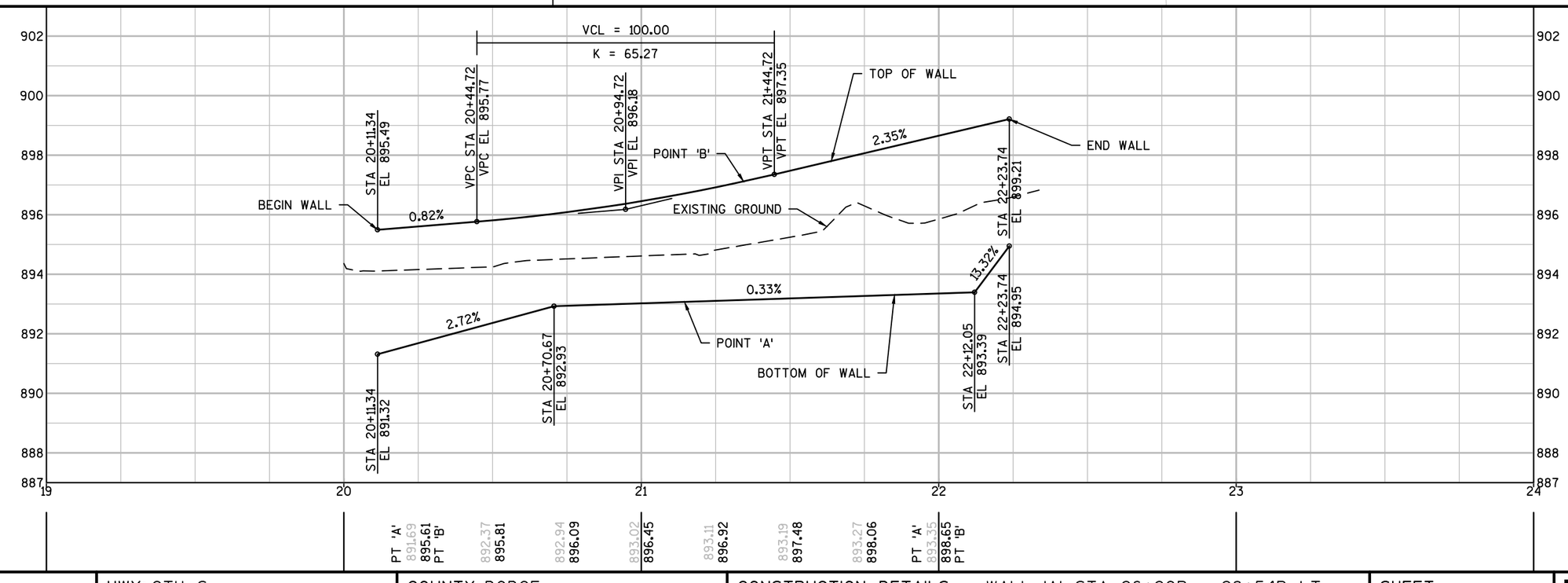
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DESIGN FOR THE RETAINING WALL TO PROVIDE FOR THE FINISHED SLOPE BEHIND THE WALL AS SHOWN ON THE CROSS SECTIONS.

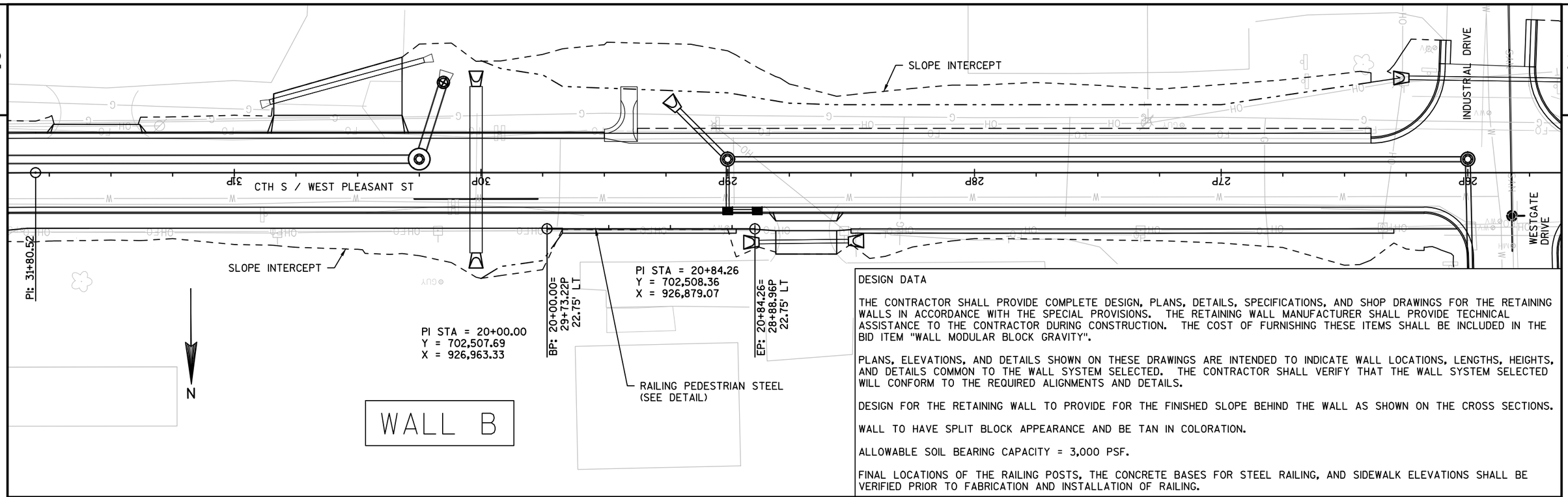
WALL TO HAVE SPLIT BLOCK APPEARANCE AND BE TAN IN COLORATION.

ALLOWABLE SOIL BEARING CAPACITY = 3,000 PSF.

FINAL LOCATIONS OF THE RAILING POSTS, THE CONCRETE BASES FOR STEEL RAILING, AND SIDEWALK ELEVATIONS SHALL BE VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF RAILING.



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - WALL 'A' STA 26+20P - 28+54P LT	SHEET 29	E



DESIGN DATA

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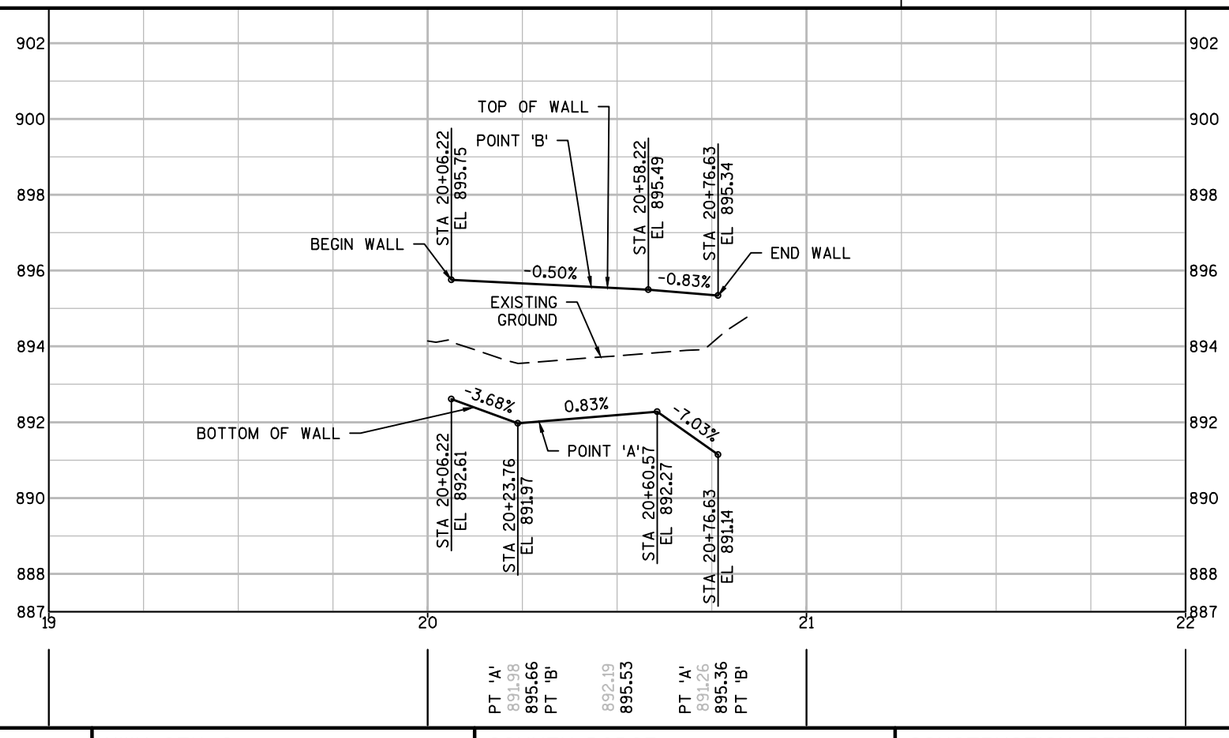
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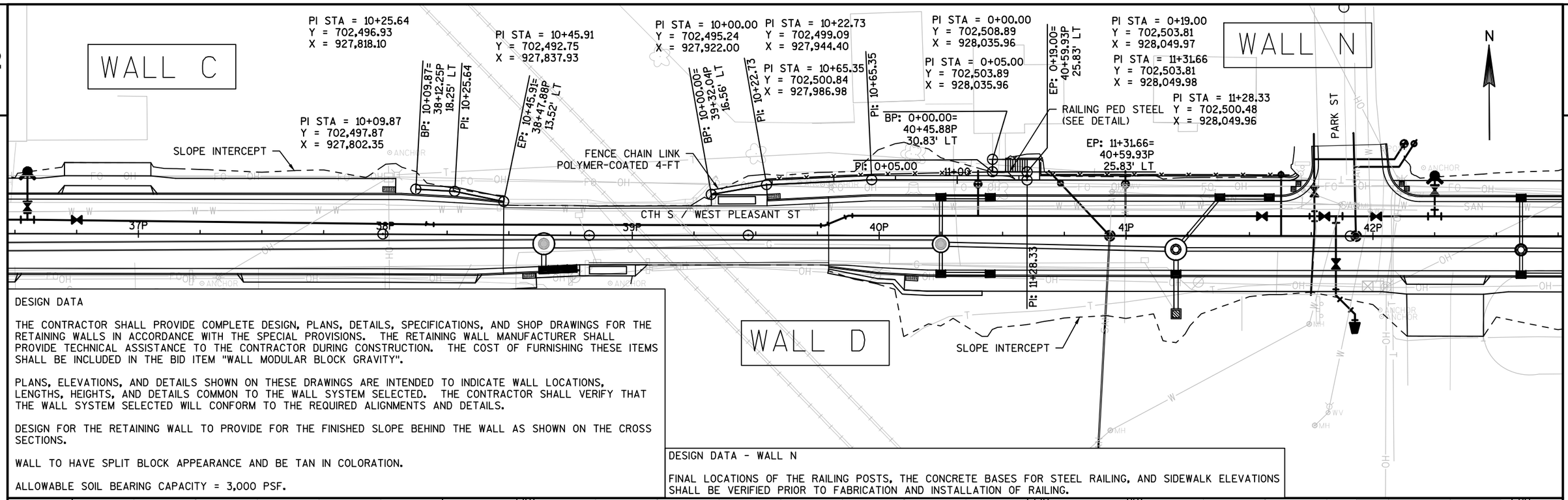
WALL TO HAVE SPLIT BLOCK APPEARANCE AND BE TAN IN COLORATION.

ALLOWABLE SOIL BEARING CAPACITY = 3,000 PSF.

FINAL LOCATIONS OF THE RAILING POSTS, THE CONCRETE BASES FOR STEEL RAILING, AND SIDEWALK ELEVATIONS SHALL BE VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF RAILING.



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - WALL 'B' STA 28+89P - 29+73P LT	SHEET 30	E



DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY".

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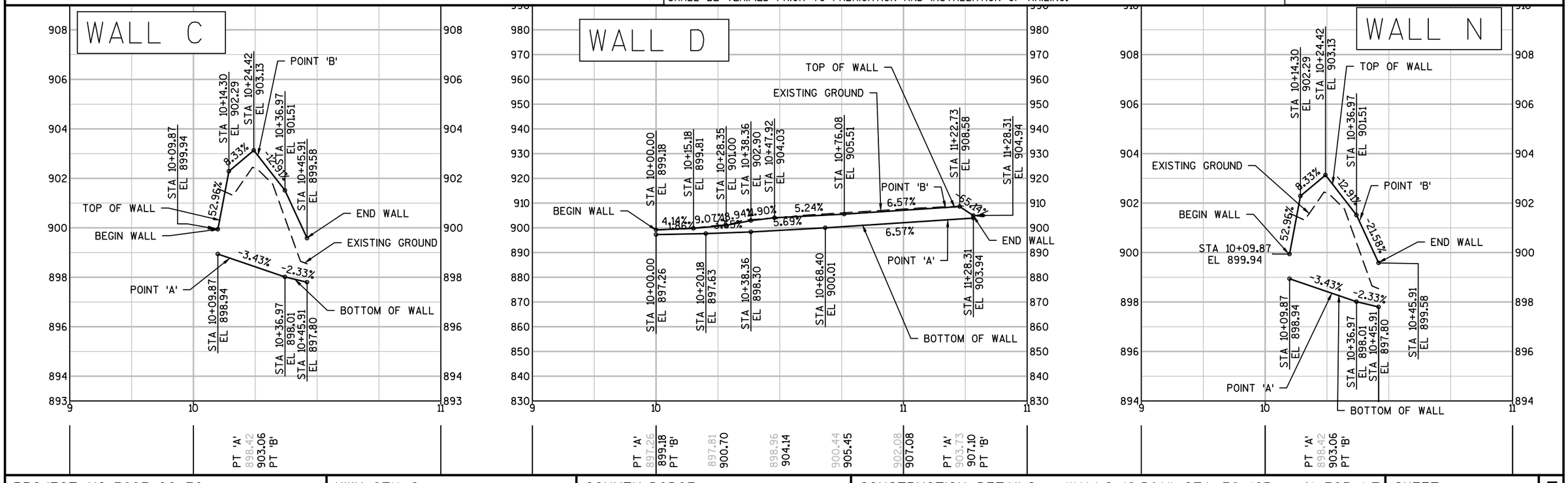
DESIGN FOR THE RETAINING WALL TO PROVIDE FOR THE FINISHED SLOPE BEHIND THE WALL AS SHOWN ON THE CROSS SECTIONS.

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ALLOWABLE SOIL BEARING CAPACITY = 3,000 PSF.

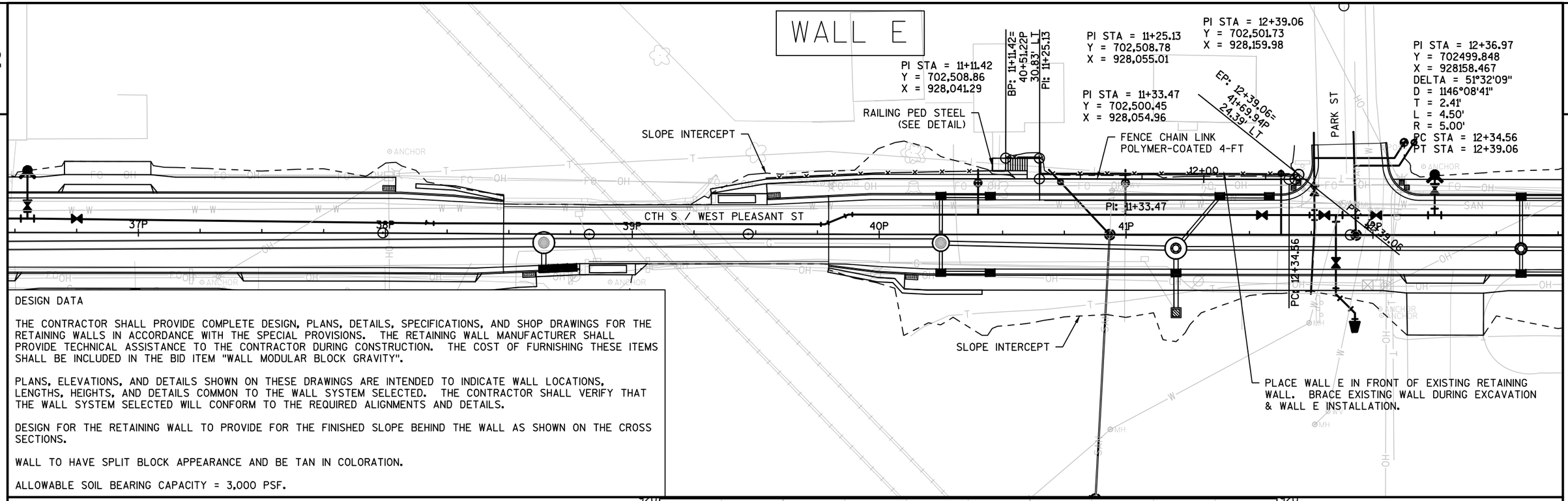
DESIGN DATA - WALL N

FINAL LOCATIONS OF THE RAILING POSTS, THE CONCRETE BASES FOR STEEL RAILING, AND SIDEWALK ELEVATIONS SHALL BE VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF RAILING.



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - WALLS 'C,D&N' STA 38+12P - 41+70P LT	SHEET 31 E

WALL E



DESIGN DATA

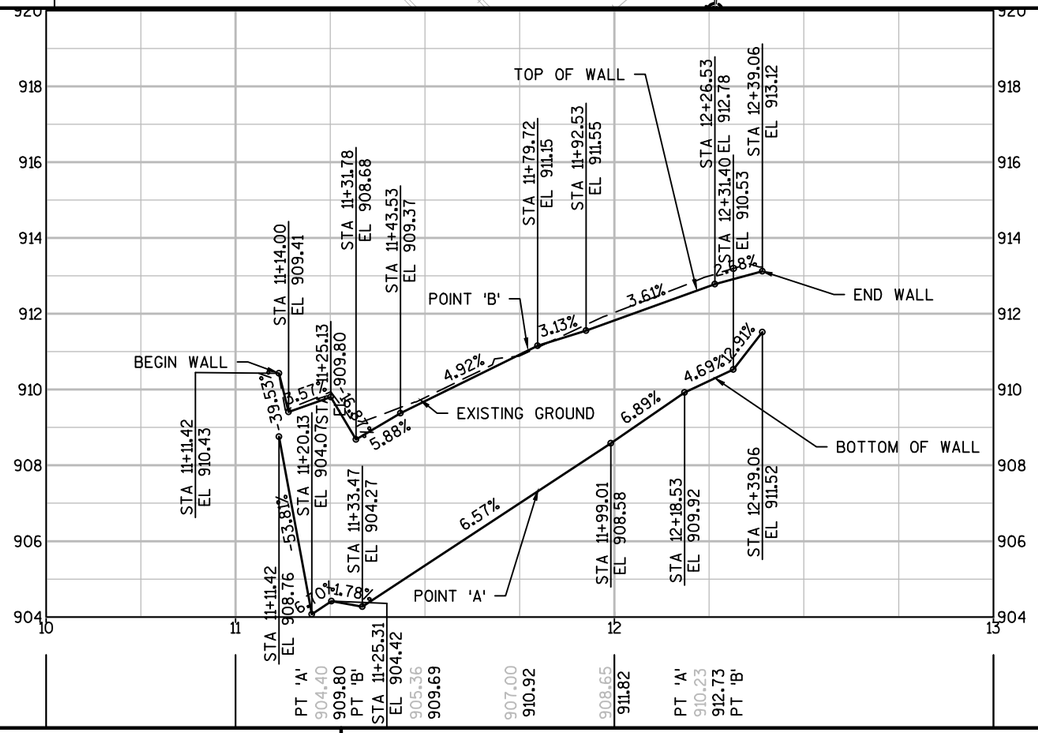
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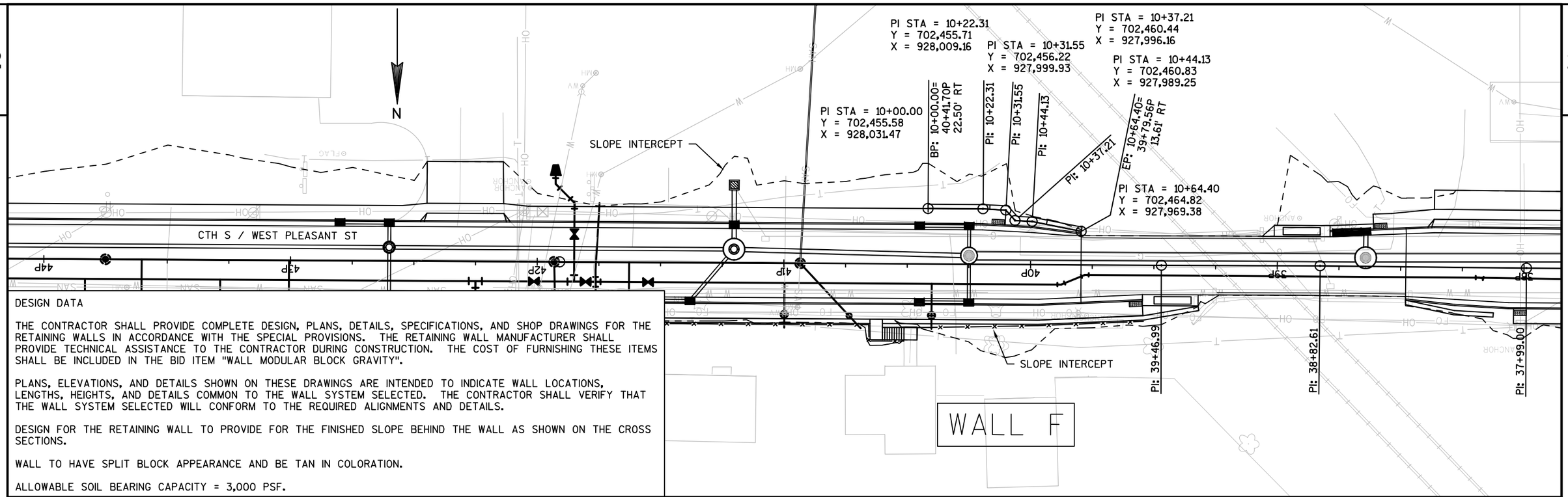
DESIGN FOR THE RETAINING WALL TO PROVIDE FOR THE FINISHED SLOPE BEHIND THE WALL AS SHOWN ON THE CROSS SECTIONS.

WALL TO HAVE SPLIT BLOCK APPEARANCE AND BE TAN IN COLORATION.

ALLOWABLE SOIL BEARING CAPACITY = 3,000 PSF.



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - WALL 'E' STA 40+51P - 41+70P LT	SHEET 32	E



DESIGN DATA

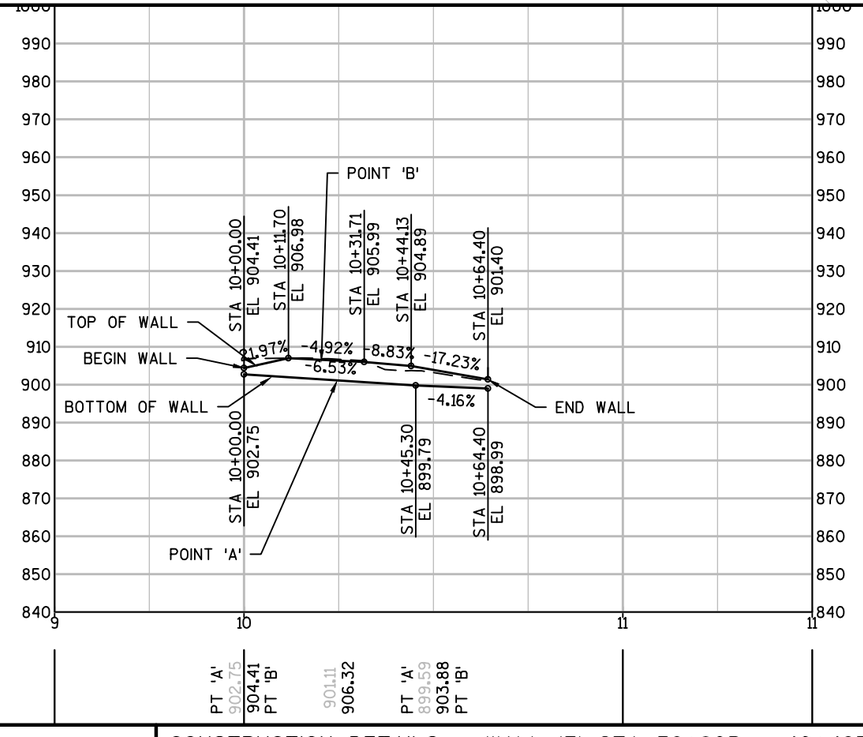
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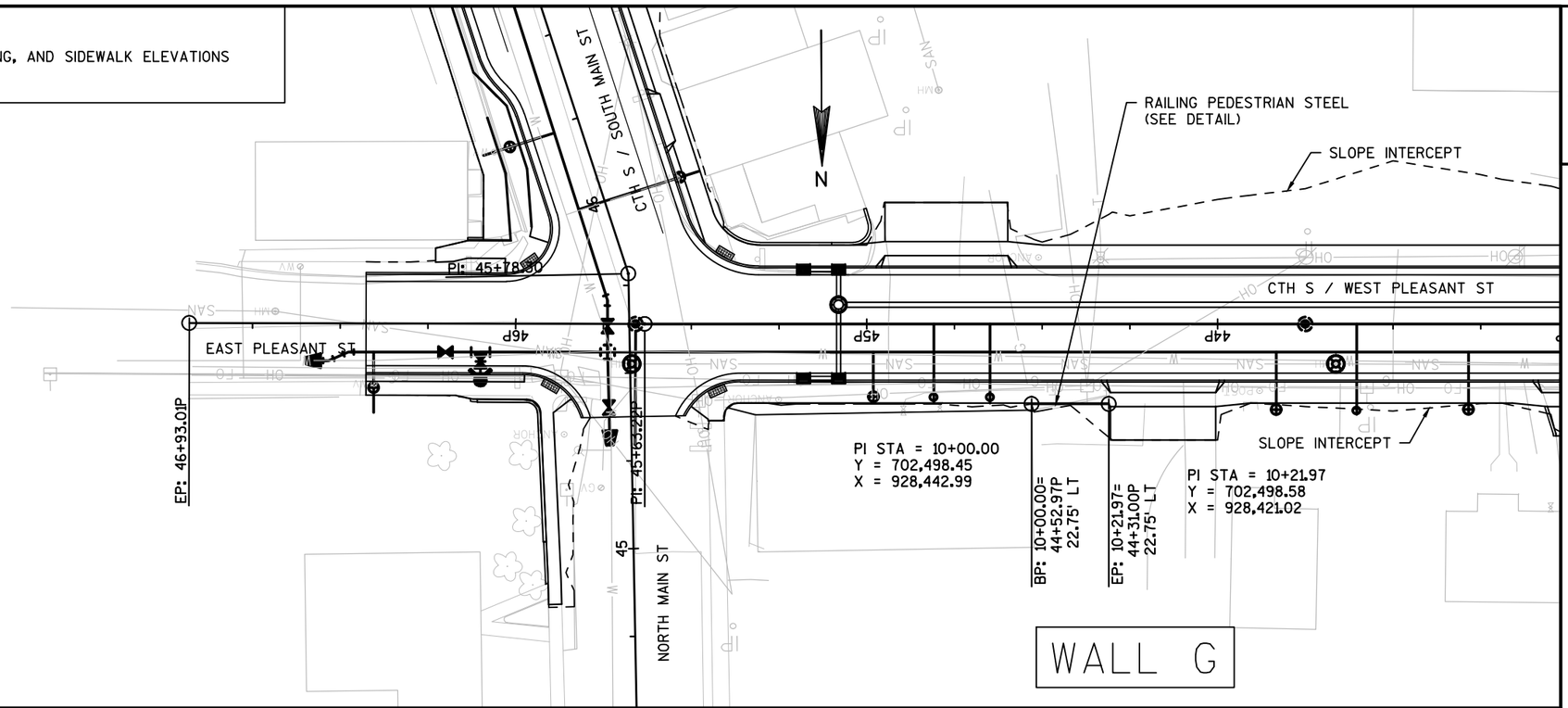
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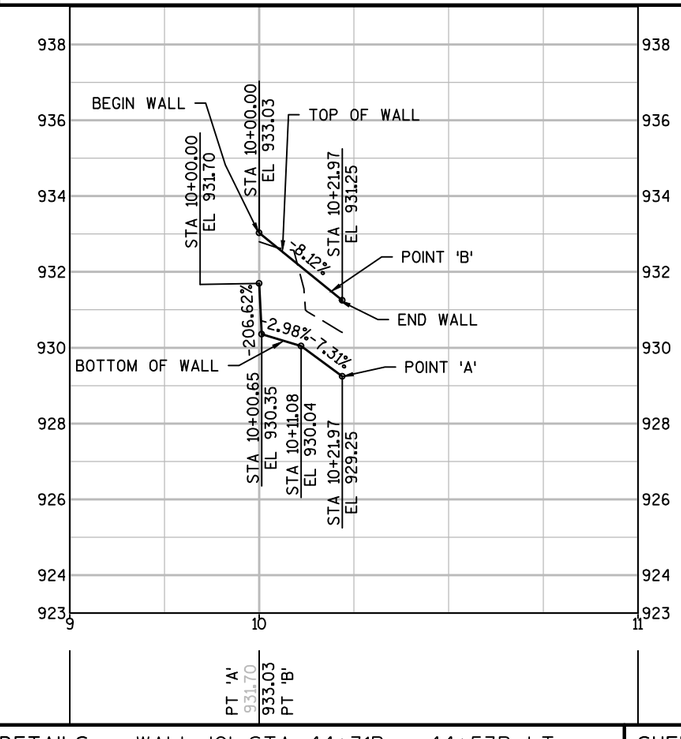


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - WALL 'F' STA 39+80P - 40+42P RT	SHEET 33	E

DESIGN DATA

FINAL LOCATIONS OF THE RAILING POSTS, THE CONCRETE BASES FOR STEEL RAILING, AND SIDEWALK ELEVATIONS SHALL BE VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF RAILING.





PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - WALL 'G' STA 44+31P - 44+53P LT	SHEET 34	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\WALL 44+80 - 45+20 LT..DWG
LAYOUT NAME - 021018-CD

PLOT DATE : 10/25/2016 1:50 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WALL 1

DESIGN DATA

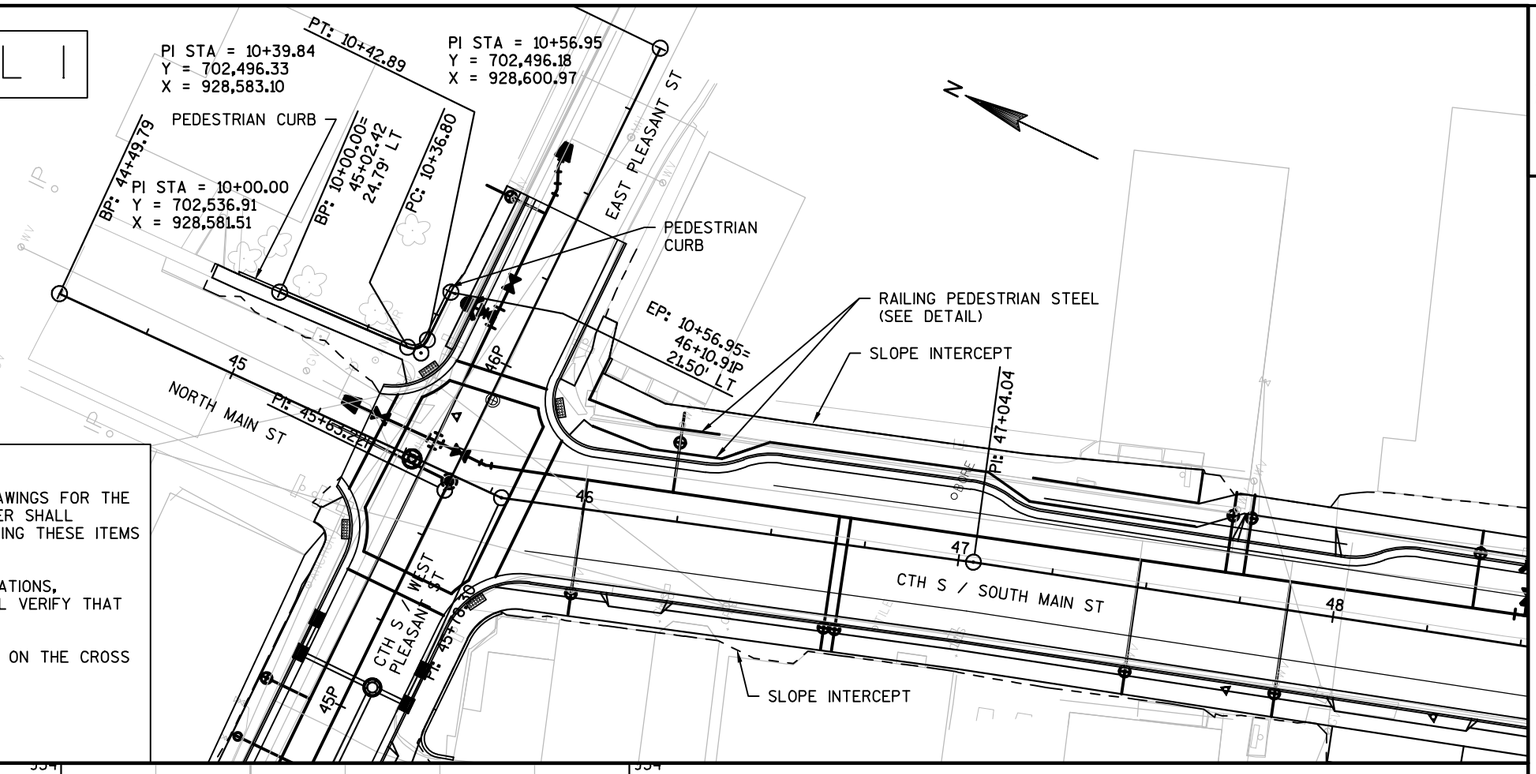
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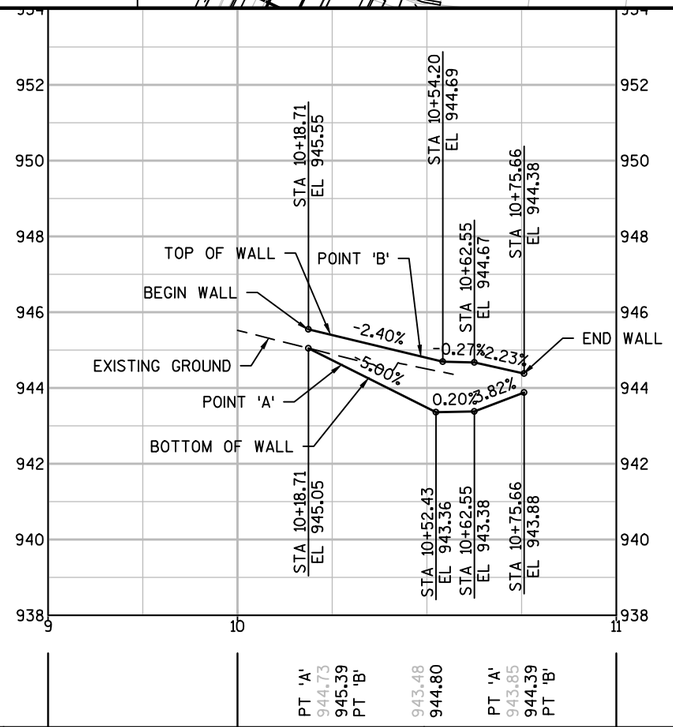
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DESIGN FOR THE RETAINING WALL TO PROVIDE FOR THE FINISHED SLOPE BEHIND THE WALL AS SHOWN ON THE CROSS SECTIONS.

WALL TO HAVE SPLIT BLOCK APPEARANCE AND BE TAN IN COLORATION.

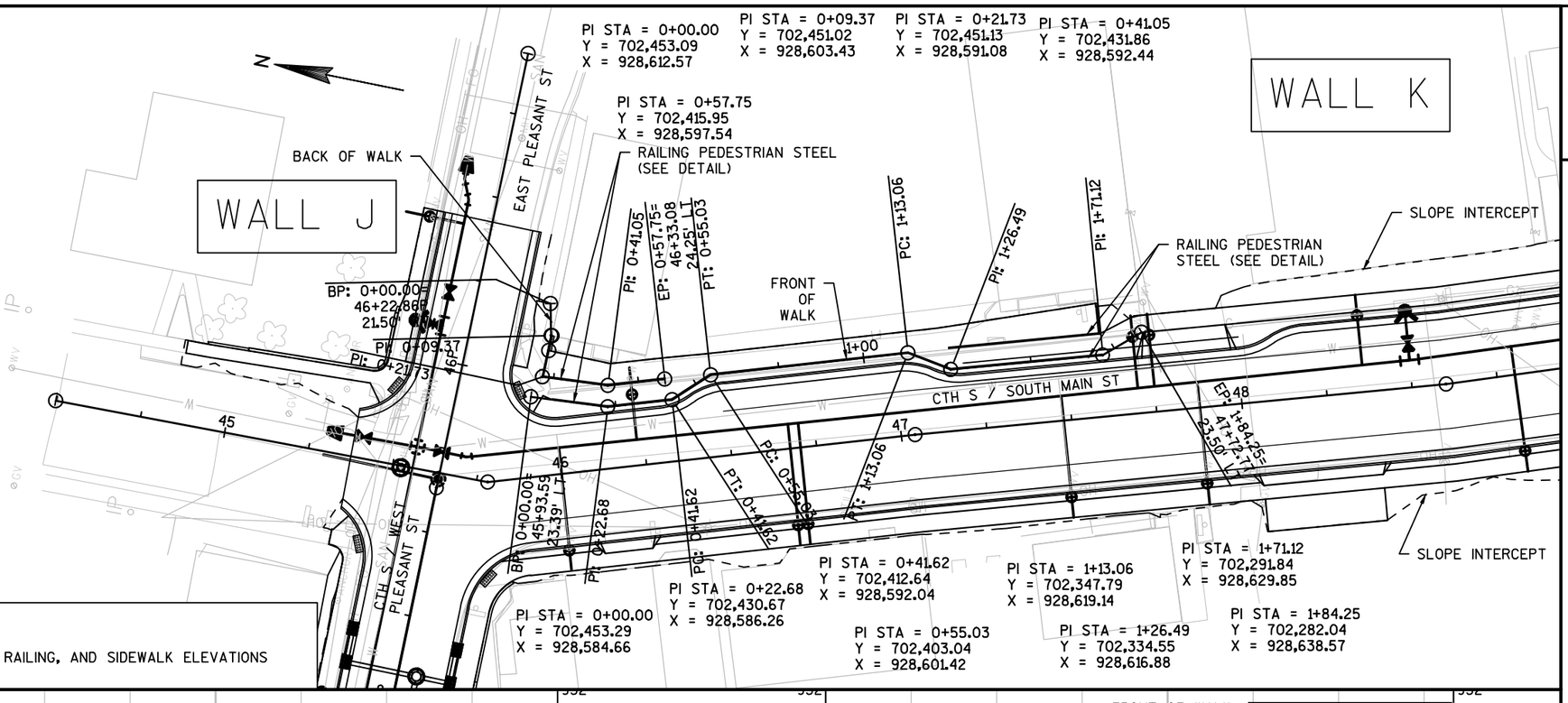
ALLOWABLE SOIL BEARING CAPACITY = 3,000 PSF.





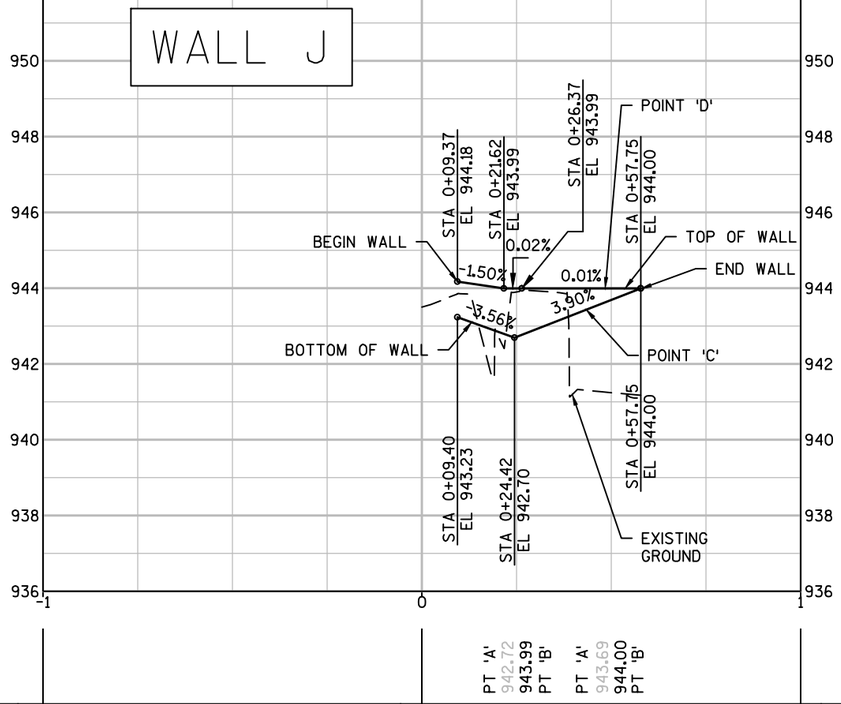
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - WALL 'I' NE QUAD LT	SHEET 35	E

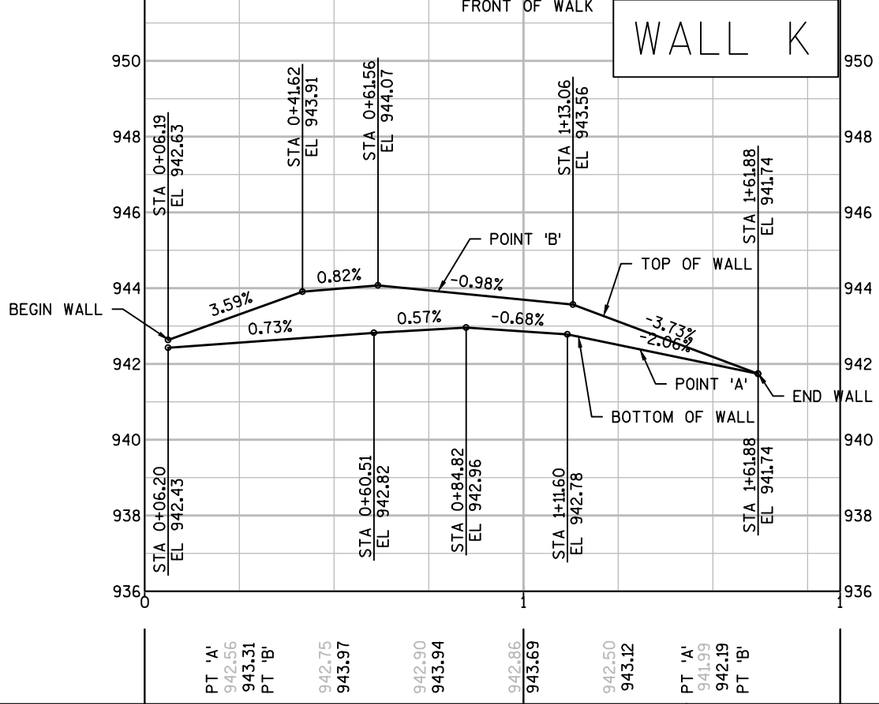
2



DESIGN DATA

FINAL LOCATIONS OF THE RAILING POSTS, THE CONCRETE BASES FOR STEEL RAILING, AND SIDEWALK ELEVATIONS SHALL BE VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF RAILING.



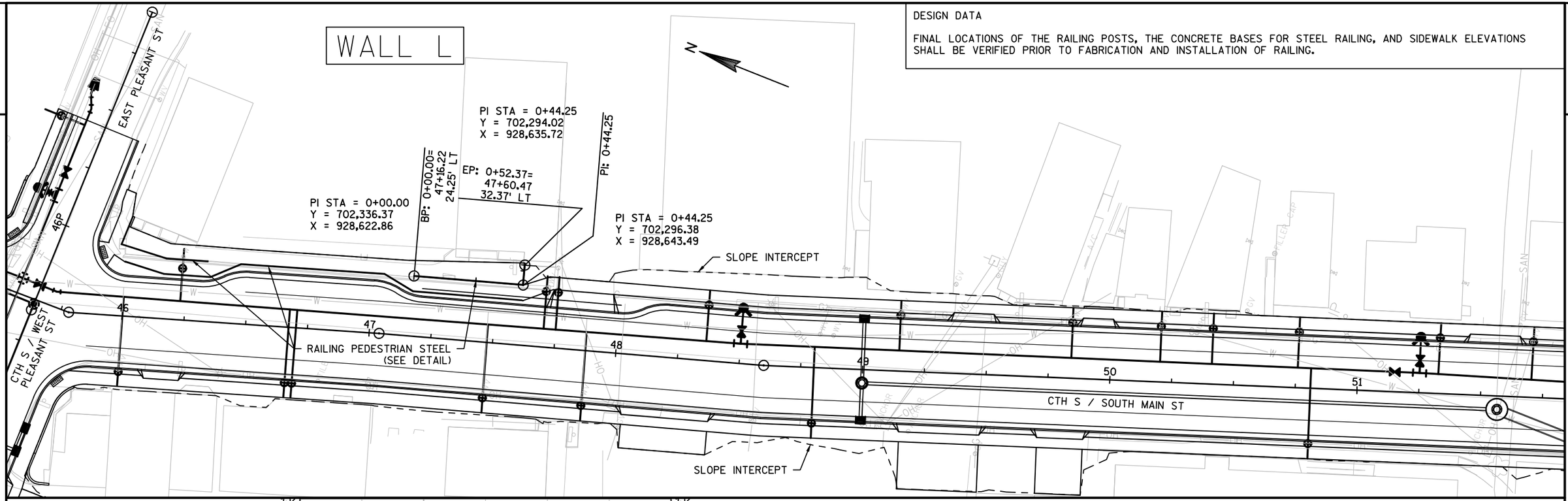


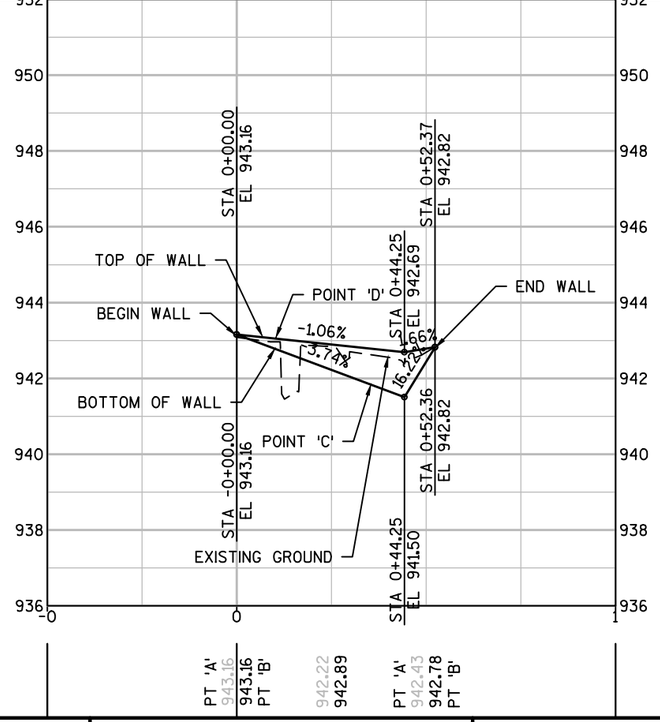
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - WALLS 'J&K' STA 45+94 - 47+73 LT	SHEET 36	E

WALL L

DESIGN DATA

FINAL LOCATIONS OF THE RAILING POSTS, THE CONCRETE BASES FOR STEEL RAILING, AND SIDEWALK ELEVATIONS SHALL BE VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF RAILING.





PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - WALL 'L' STA 47+16 - 47+60 LT	SHEET 37	E

DESIGN DATA

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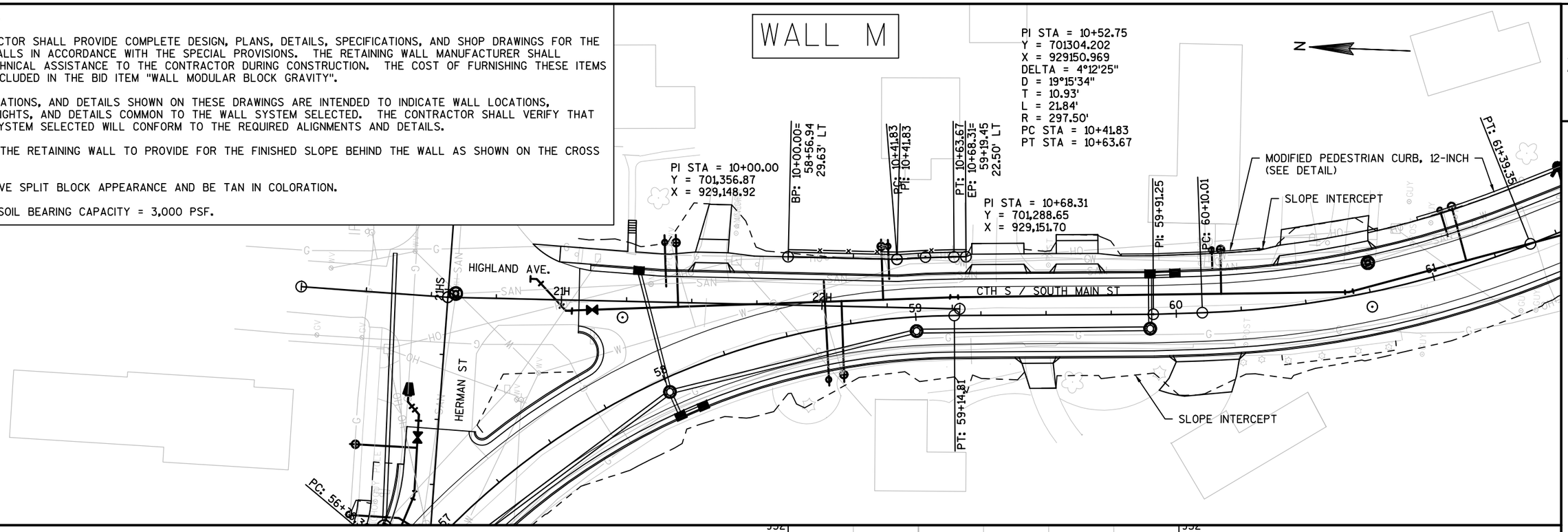
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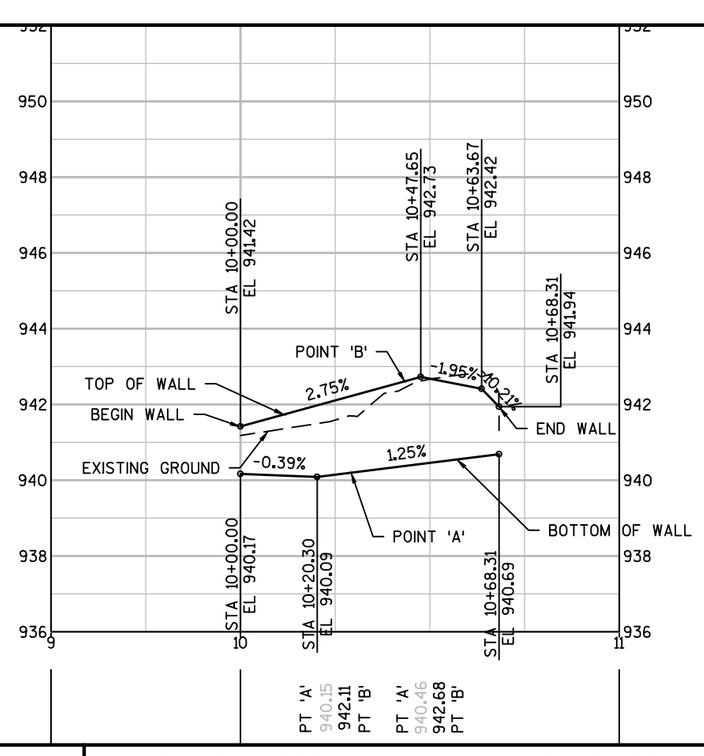
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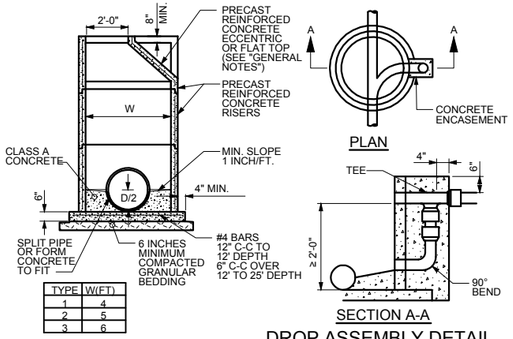
WALL TO HAVE SPLIT BLOCK APPEARANCE AND BE TAN IN COLORATION.

ALLOWABLE SOIL BEARING CAPACITY = 3,000 PSF.

WALL M







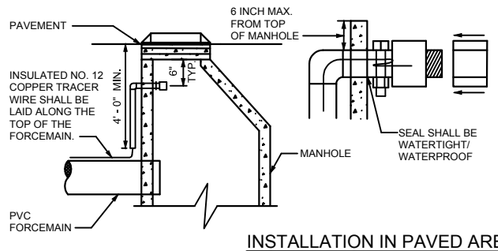
DROP ASSEMBLY DETAIL

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

PRECAST REINFORCED CONCRETE MANHOLE DETAIL

SCALE: NONE



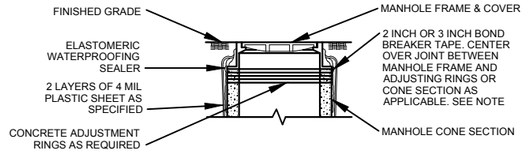
INSTALLATION IN PAVED AREA

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 AT MANHOLE DETAIL

SCALE: NONE

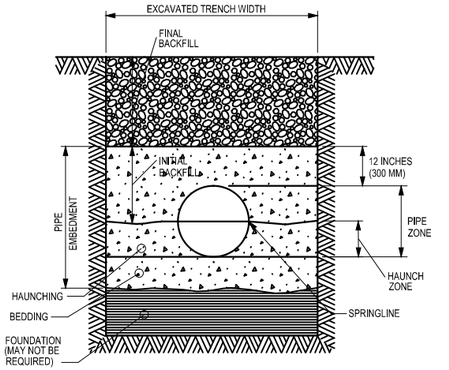


THE BOND BREAKER TAPE IS TO PREVENT THE SEALER FROM BONDING TO THE EDGE OF THE FLANGE OF THE MH FRAME AND THE UPPER 1-1/2 INCHES OF ADJUSTING RING OR CONE. IF THE EDGE OF FLANGE IS NOT FLUSH WITH ADJUSTING RING OR CONE, APPLY ADDITIONAL TAPE AS REQUIRED TO PREVENT SUCH BONDING.

ELASTOMERIC FRAME/CHIMNEY SEAL

SANITARY MANHOLE WATERPROOFING DETAIL

SCALE: NONE

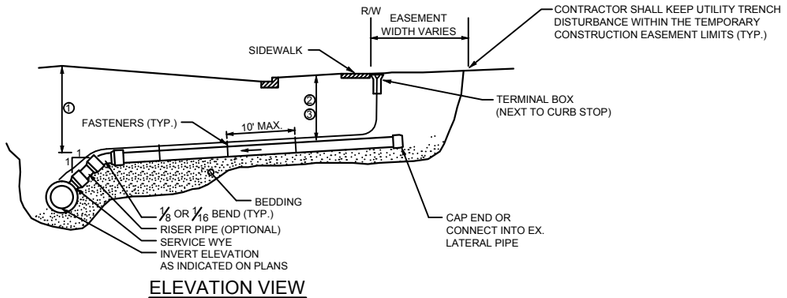


GENERAL NOTES:

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 UNSTALBE 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 12 INCH ABOVE PIPE CROWN.
8. EMBEDMENT COMPACTION:
   MINIMUM DENSITY 85% STANDARD PROCTOR. USE HAND TAMPERS OR VIBRATORY COMPACTORS.

CLASS II - SANITARY PIPE EMBEDMENT DETAIL

SCALE: NONE



ELEVATION VIEW

NOTES FOR LATERAL INSTALLATION:

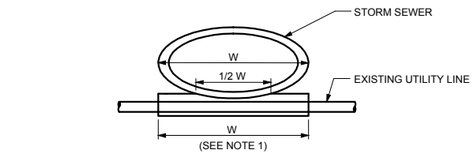
1. MININUM DEPTH OF COVER UNDER ROADWAY = 7 FEET.
2. MININUM DEPTH OF COVER UNDER GRASS AREAS = 5 1/2 FEET.
3. LATERAL SLOPES SHALL BE 1/8 INCH PER FOOT MINIMUM AND 1/2 INCH PER FOOT MAXIMUM.

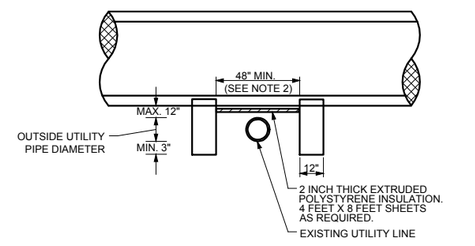
NOTES FOR TRACER WIRE INSTALLATION:

1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. 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.
3. TRACER WIRE SHALL BE RESTRAINED BY CABLE-TIES, TAPE, OR BY NON-CORRESIVE FASTNER 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 TERMINATE IN A FLUSH MOUNTED TERMINAL BOX (SEE SPEC). 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.
5. TRACER WIRE SHALL BE INSTALLED ALONG ALL NEWLY INSTALLED SANITARY LATERALS (INCIDENTAL TO SANITARY LATERAL PIPING).

SANITARY SEWER LATERAL DETAIL

SCALE: NONE





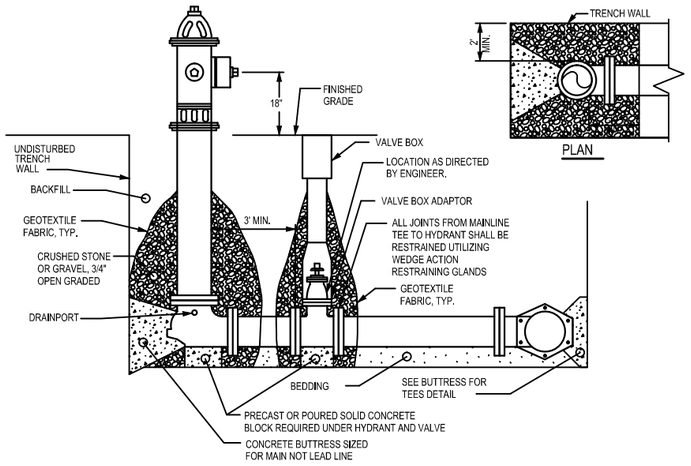
GENERAL NOTES:

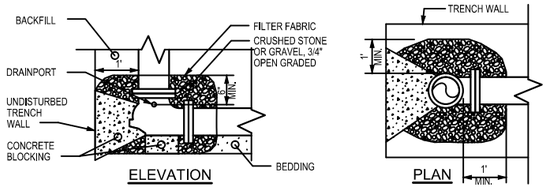
1. CONCRETE BRIDGING SHALL PARALLEL EXISTING UTILITY LINE. BRIDGING SHALL RUN ENTIRE WIDTH OF OVERLYING PIPE AND BEAR ON HALF OF THE OVERLYING PIPE WIDTH.
2. FOR UTILITY LINES OVER 24 INCHES IN DIAMETER, SPACING SHALL BE OUTSIDE DIAMETER PLUS 24 INCHES
3. CONCRETE BRIDGING SHALL BE INCIDENTAL TO CONSTRUCTION UNLESS SPECIFICALLY ITEMIZED ON THE PROJECT BID.

CONCRETE BRIDGING DETAIL

SCALE: NONE

PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - SANITARY SEWER DETAILS	SHEET: E

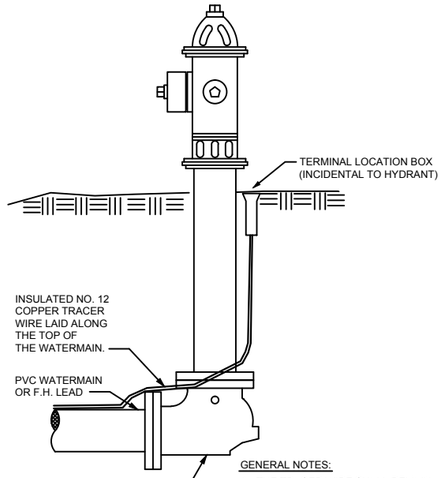




PERVIOUS SOIL SUMP DETAIL

HYDRANT AND LEAD CONNECTION DETAIL

SCALE: NONE

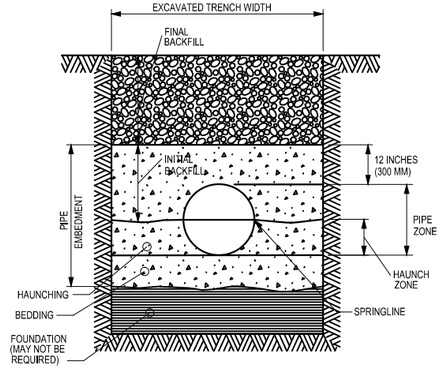


GENERAL NOTES:

1. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE.
2. ALL LABOR AND MATERIALS RELATED TO THE TERMINATION OF THE TRACER WIRE AT THE HYDRANT SHALL BE INCIDENTAL.

TRACER WIRE INSTALLATION FOR PVC WATERMAIN DETAIL

SCALE: NONE

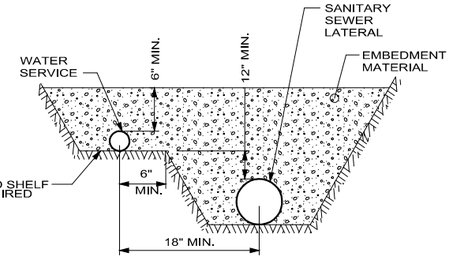


GENERAL NOTES:

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 UNSTALBE 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 12 INCH ABOVE PIPE CROWN.
8. EMBEDMENT COMPACTION: MINIMUM DENSITY 85% STANDARD PROCTOR. USE HAND TAMPERS OR VIBRATORY COMPACTORS.

CLASS II - WATER PIPE EMBEDMENT DETAIL

SCALE: NONE

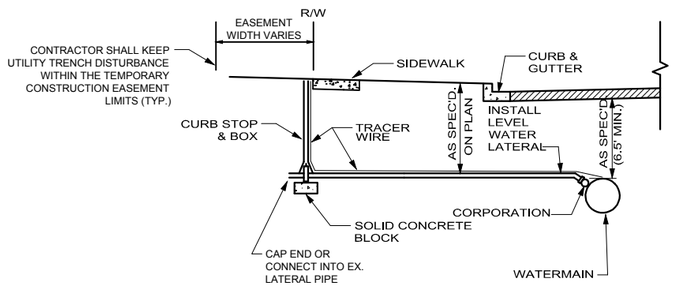


GENERAL NOTES:

1. WATER SERVICES 3 INCHES IN DIAMETER AND LARGER SHALL BE LAID WITH A CLEAR HORIZONTAL SEPERATION NOT LESS THAN 2 FEET FROM THE SANITARY LATERAL.

WATER SERVICE & SANITARY SEWER LATERAL DETAIL

SCALE: NONE

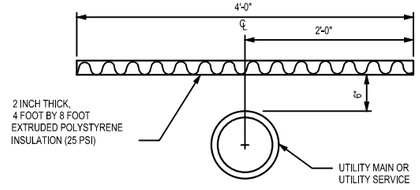


GENERAL NOTES:

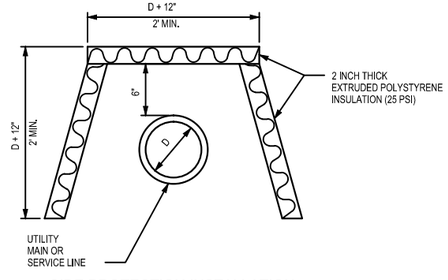
1. SEE PLANS AND SPECIFICATIONS FOR SIZE AND TYPE OF CURB STOP AND BOX CORPORATION AND SERVICE LINE.
2. COMMUNITY STANDARDS SHALL SUPERSEDE THIS DIMENSIONS.
3. TRACER WIRE SHALL BE INSTALLED ALONG ALL NEWLY INSTALLED WATER SERVICES (INCIDENTAL TO WATER SERVICE PIPING).

WATER SERVICE DETAIL

SCALE: NONE



STANDARD INSTALLATION



SIDE PROTECTION INSTALLATION

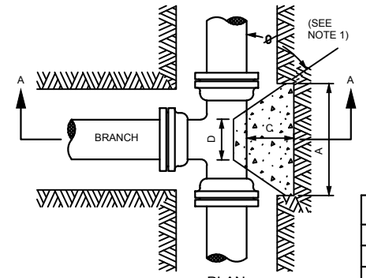
GENERAL NOTES:

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

PIPE INSULATION DETAIL

SCALE: NONE

PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	CONSTRUCTION DETAILS - WATER DETAILS	SHEET: E



SECTION A-A

BUTTRESS DIMENSIONS				
B.D	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"		

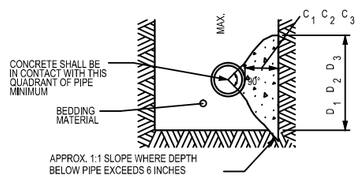
B.D. = BRANCH DIAMETER

NOTES:

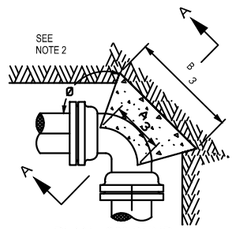
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø GREATER THAN OR EQUAL TO 45°.
2. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AT A MINIMUM.
3. DIMENSION 'D' SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERE WITH MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE 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.

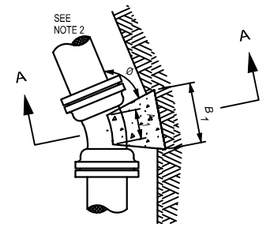
BUTTRESS FOR TEES DETAIL

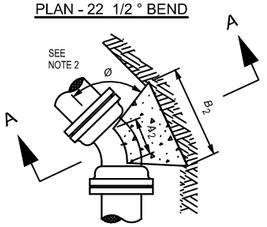
SCALE: NONE



SECTION A-A







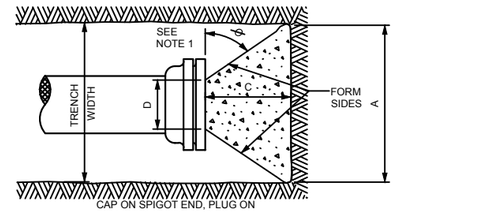
NOTES:

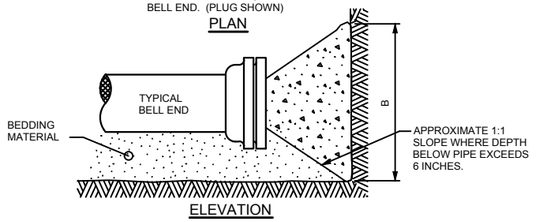
1. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND AN EARTH RESISTANCE OF 2 TONS PER SQ. FT. INFORM THE ENGINEER IF PRESSURES EXCEEDS 150 PSI, OR ON-SITE SOIL DOES NOT MEET THIS CONDITION.
2. DIMENSION C C C SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.
3. DIMENSION C C C SHOULD BE LARGE AS POSSIBLE WITHOUT INTERFERRING WITH THE MECHANICAL JOINT.
4. BUTTRESS TO BE PLACED AGAINST FIRM UNDISTURBED SOIL, OR DISTURBED SOIL COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY, ASTM D1557.
5. ALL POURED 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. RESTRAINED WITH WEDGE ACTION RESTRAINING GLANDS.

PIPE SIZE	22 1/2 ° BENDS		45° BENDS		90° BENDS	
	B_1	D_1	B_2	D_2	B_3	D_3
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"

BUTTRESS FOR BENDS DETAIL

SCALE: NONE





NOTES:

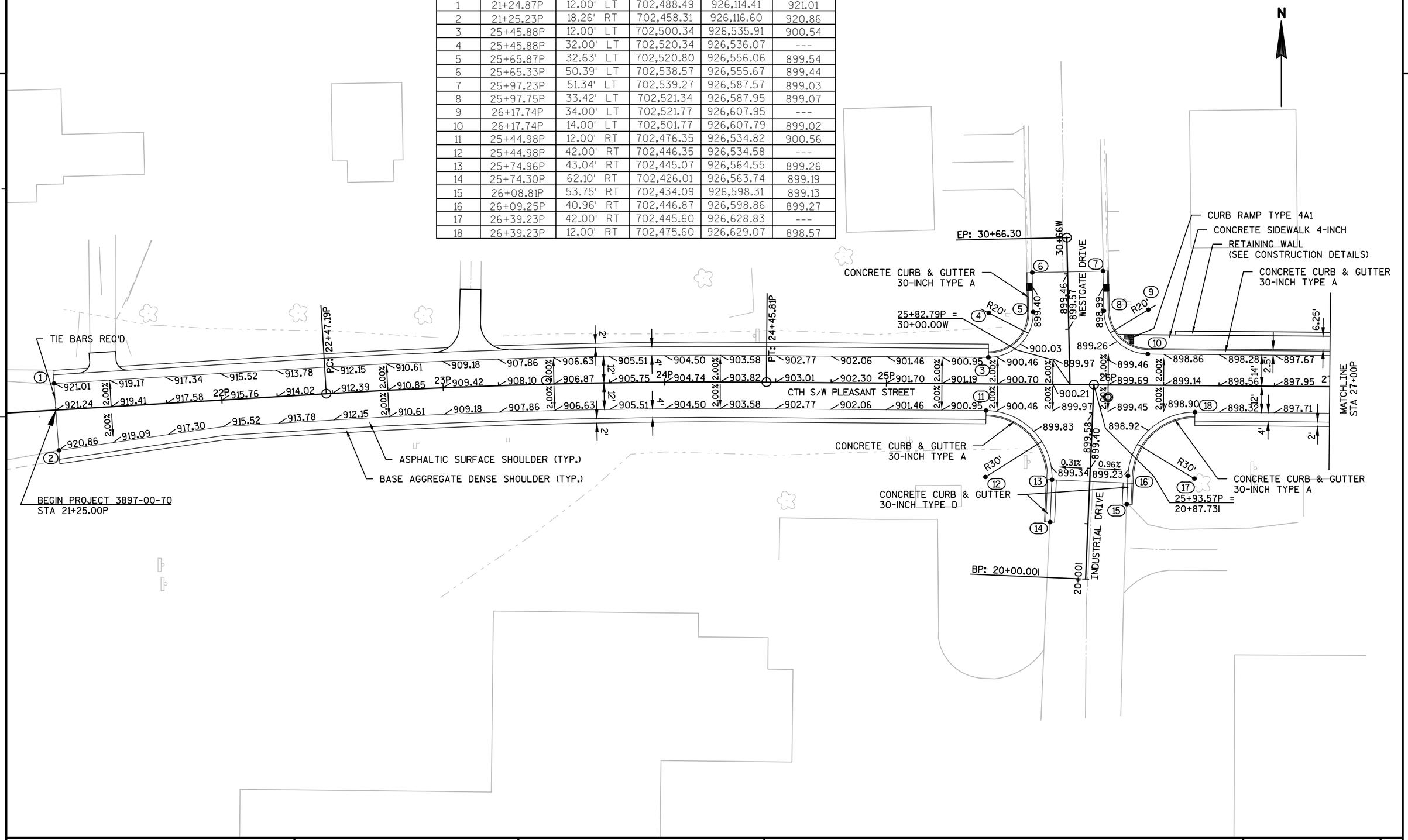
1. DIMENSION 'C' SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.
2. DIMENSION 'D' EQUALS APPROX. I.D. OF PIPE LESS 2 INCHES. THE CONCRETE SHOULD NOT INTERFERE WITH THE MECHANICAL JOINTS.
3. WHERE BUTTRESSES ARE NOT POSSIBLE BECAUSE OF POOR SOIL CONDITIONS OR LACK OF ROOM, WEDGE ACTION RESTRAINING GLANDS SHALL BE PERMITTED.
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 POLYETHLENE.

BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-6"	1'-2"	SEE NOTE NO. 1	SEE NOTE NO. 2
8"	2'-0"	1'-4"		
12"	2'-5"	1'-10"		
16"	3'-4"	2'-4"		
20"	4'-3"	2'-10"		
24"	5'-2"	3'-4"		
30"	6'-9"	4'-0"		

BUTTRESS FOR PLUGS DETAIL

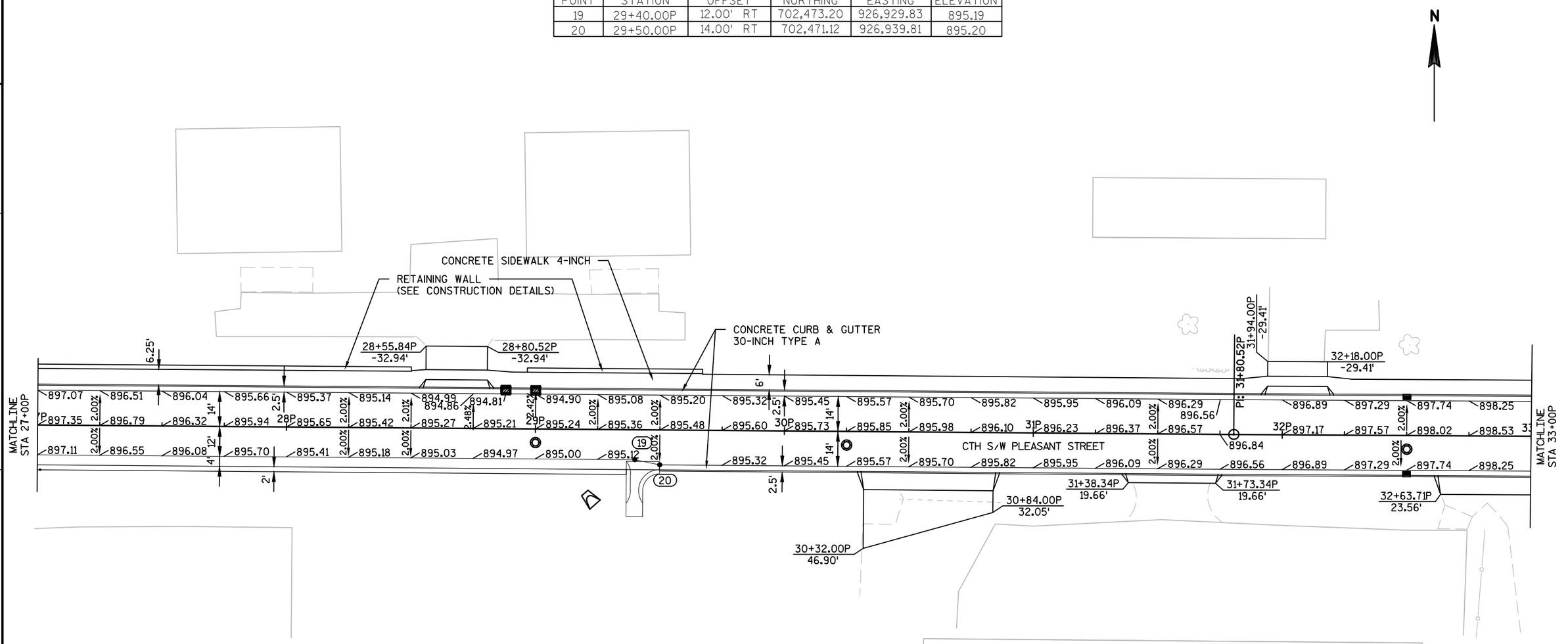
SCALE: NONE

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
1	21+24.87P	12.00' LT	702,488.49	926,114.41	921.01
2	21+25.23P	18.26' RT	702,458.31	926,116.60	920.86
3	25+45.88P	12.00' LT	702,500.34	926,535.91	900.54
4	25+45.88P	32.00' LT	702,520.34	926,536.07	---
5	25+65.87P	32.63' LT	702,520.80	926,556.06	899.54
6	25+65.33P	50.39' LT	702,538.57	926,555.67	899.44
7	25+97.23P	51.34' LT	702,539.27	926,587.57	899.03
8	25+97.75P	33.42' LT	702,521.34	926,587.95	899.07
9	26+17.74P	34.00' LT	702,521.77	926,607.95	---
10	26+17.74P	14.00' LT	702,501.77	926,607.79	899.02
11	25+44.98P	12.00' RT	702,476.35	926,534.82	900.56
12	25+44.98P	42.00' RT	702,446.35	926,534.58	---
13	25+74.96P	43.04' RT	702,445.07	926,564.55	899.26
14	25+74.30P	62.10' RT	702,426.01	926,563.74	899.19
15	26+08.81P	53.75' RT	702,434.09	926,598.31	899.13
16	26+09.25P	40.96' RT	702,446.87	926,598.86	899.27
17	26+39.23P	42.00' RT	702,445.60	926,628.83	---
18	26+39.23P	12.00' RT	702,475.60	926,629.07	898.57

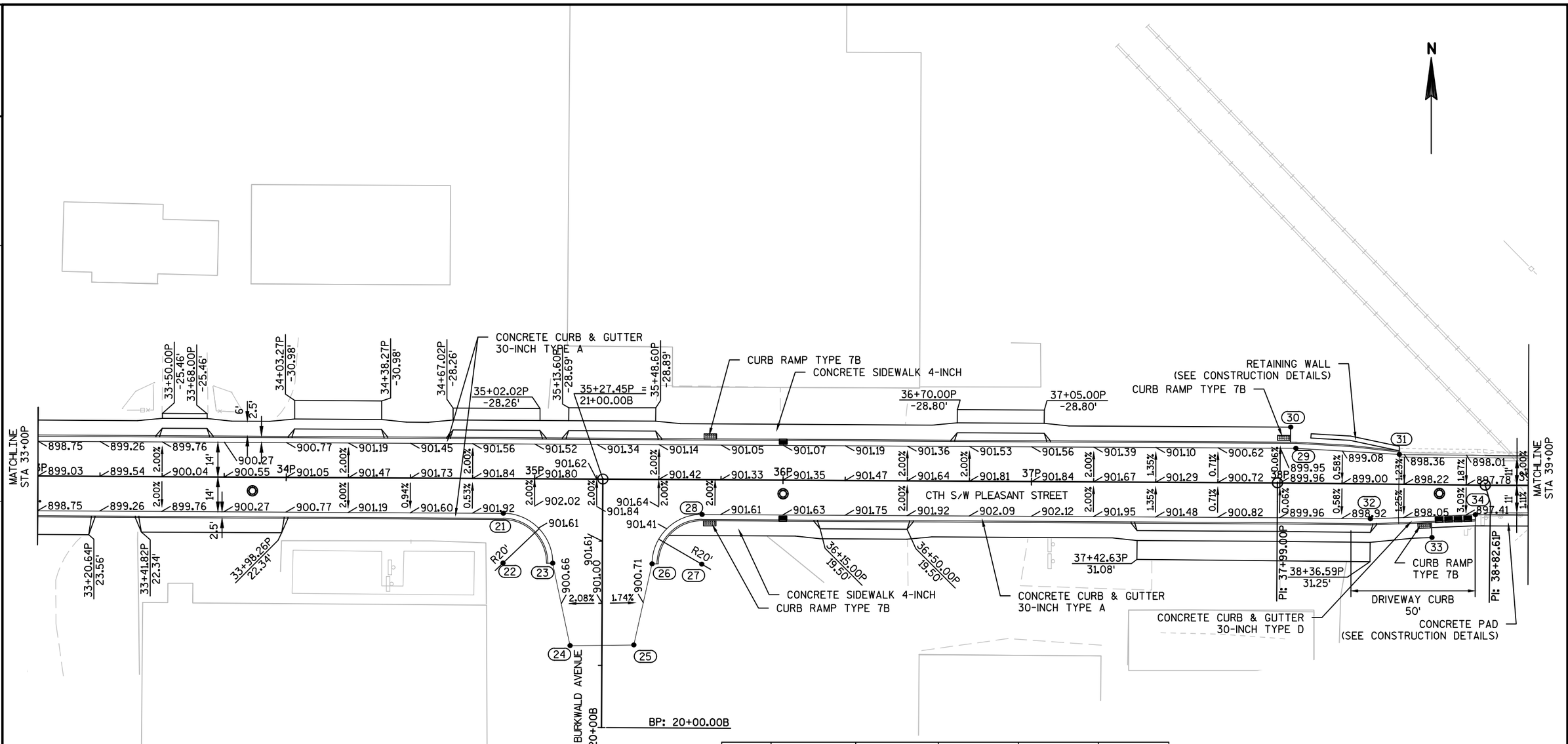


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVING DETAILS	SHEET 42	E

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
19	29+40.00P	12.00' RT	702,473.20	926,929.83	895.19
20	29+50.00P	14.00' RT	702,471.12	926,939.81	895.20



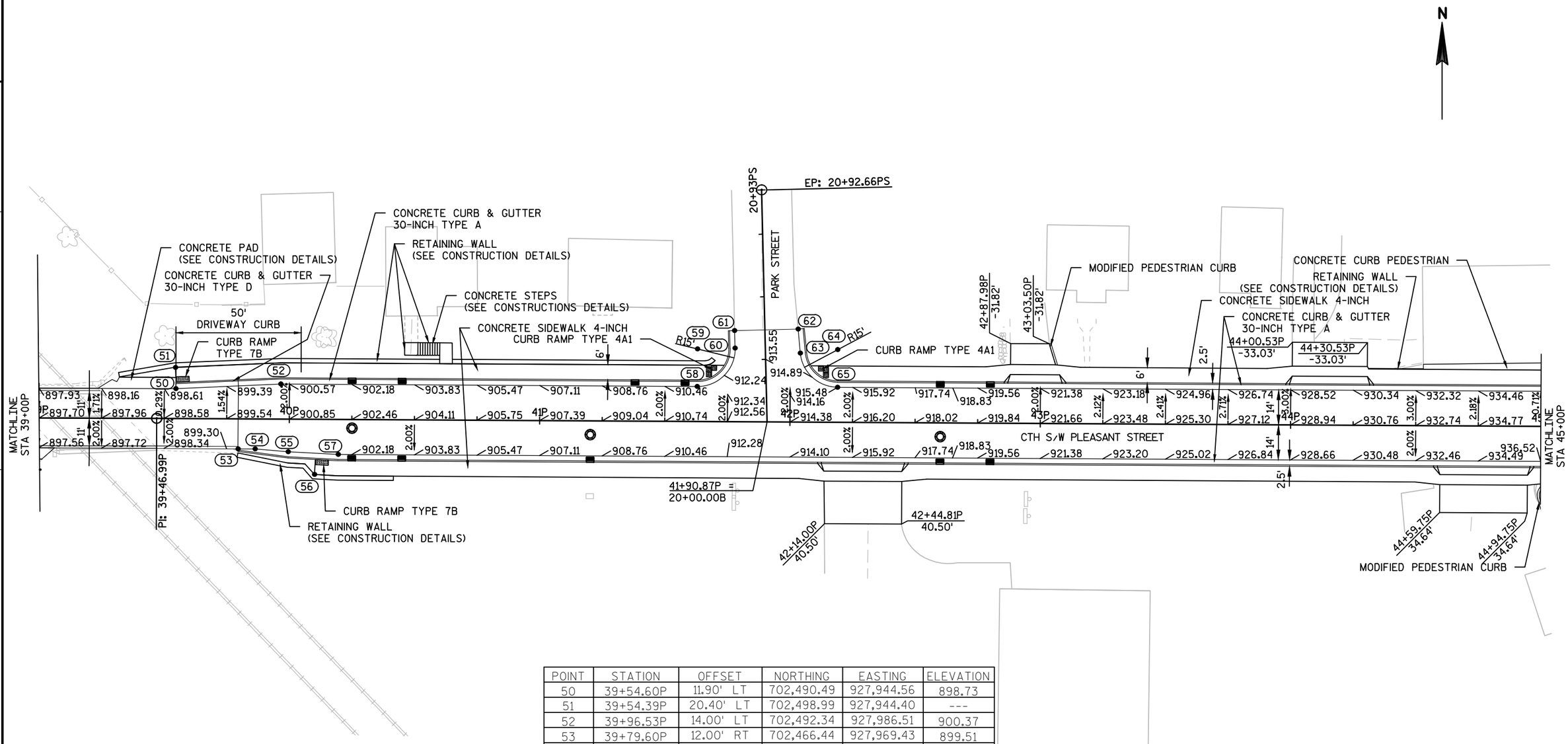
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVING DETAILS	SHEET 43	E



POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
21	34+87.45P	14.00' RT	702,467.54	927,477.28	902.03
22	34+87.45P	34.00' RT	702,447.55	927,477.16	---
23	35+07.45P	34.00' RT	702,447.43	927,497.16	901.11
24	35+14.60P	67.13' RT	702,414.26	927,504.13	900.24
25	34+40.29P	66.69' RT	702,414.55	927,529.83	900.35
26	35+47.45P	34.00' RT	702,447.20	927,537.16	901.06
27	35+67.45P	34.00' RT	702,447.09	927,557.16	---
28	35+67.45P	14.00' RT	702,467.09	927,557.28	901.62
29	38+06.24P	14.04' LT	702,493.73	927,796.30	899.75
30	38+04.07P	22.53' LT	702,502.25	927,794.22	---
31	38+47.88P	12.01' LT	702,491.25	927,837.91	898.41
32	38+36.51P	14.00' RT	702,465.36	927,826.26	898.48
33	38+61.42P	21.27' RT	702,457.82	927,851.09	---
34	38+78.76P	11.89' RT	702,467.01	927,868.53	897.43

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVING DETAILS	SHEET 44	E

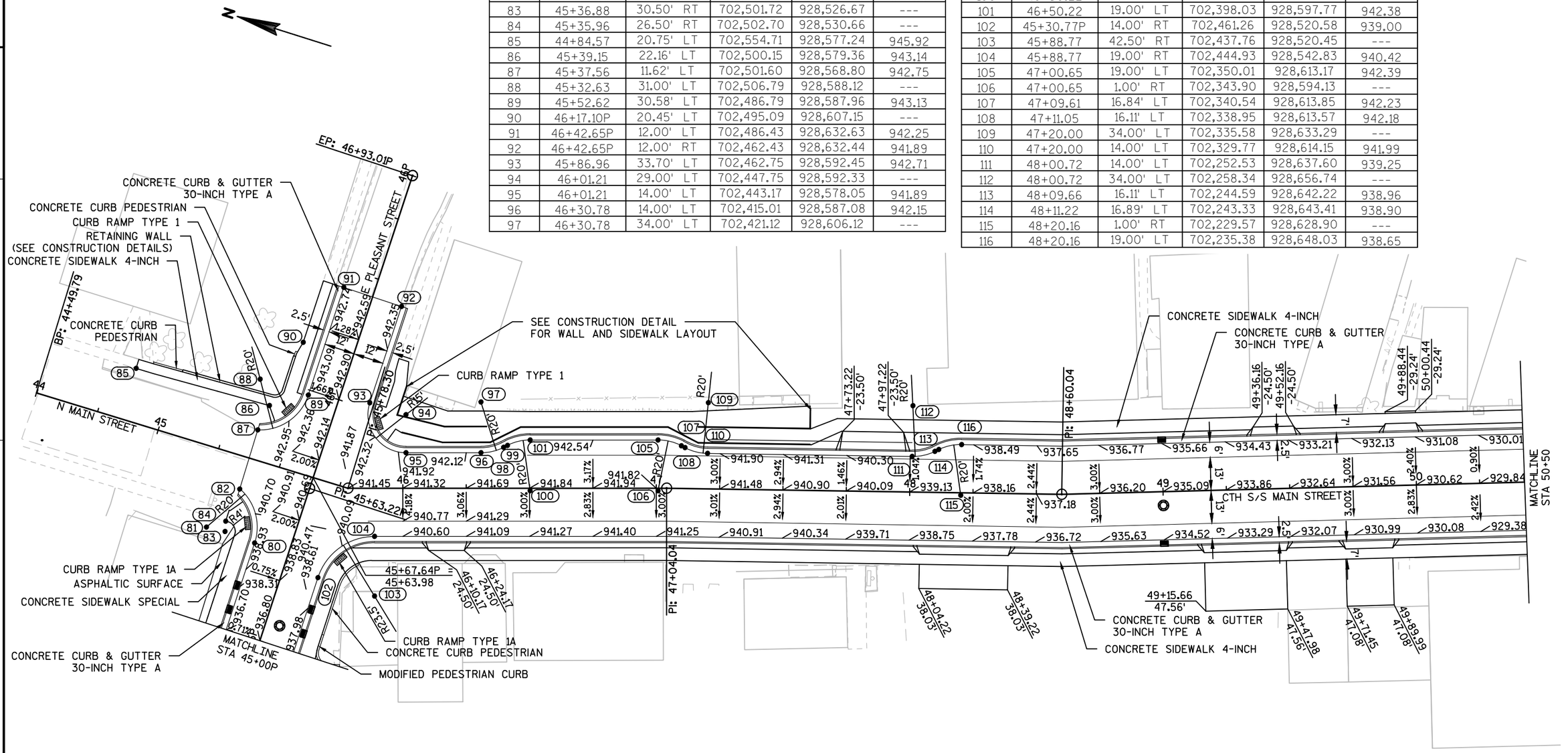
2



POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
50	39+54.60P	11.90' LT	702,490.49	927,944.56	898.73
51	39+54.39P	20.40' LT	702,498.99	927,944.40	---
52	39+96.53P	14.00' LT	702,492.34	927,986.51	900.37
53	39+79.60P	12.00' RT	702,466.44	927,969.43	899.51
54	39+86.40P	12.00' RT	702,466.40	927,976.23	899.86
55	39+99.60P	13.00' RT	702,465.32	927,989.42	900.57
56	40+10.16P	22.04' RT	702,456.22	927,999.93	---
57	40+19.60P	14.00' RT	702,464.21	928,009.42	901.83
58	41+62.87P	14.00' LT	702,491.38	928,152.85	911.40
59	41+62.87P	29.00' LT	702,506.38	928,152.94	---
60	41+77.87P	29.39' LT	702,506.69	928,167.93	912.90
61	41+77.66P	36.39' LT	702,513.68	928,167.77	913.20
62	42+03.06P	37.14' LT	702,514.29	928,193.17	914.47
63	42+04.00P	27.54' LT	702,504.68	928,194.05	914.60
64	42+18.93P	29.00' LT	702,506.06	928,208.99	---
65	42+18.93P	14.00' LT	702,491.06	928,208.90	915.50

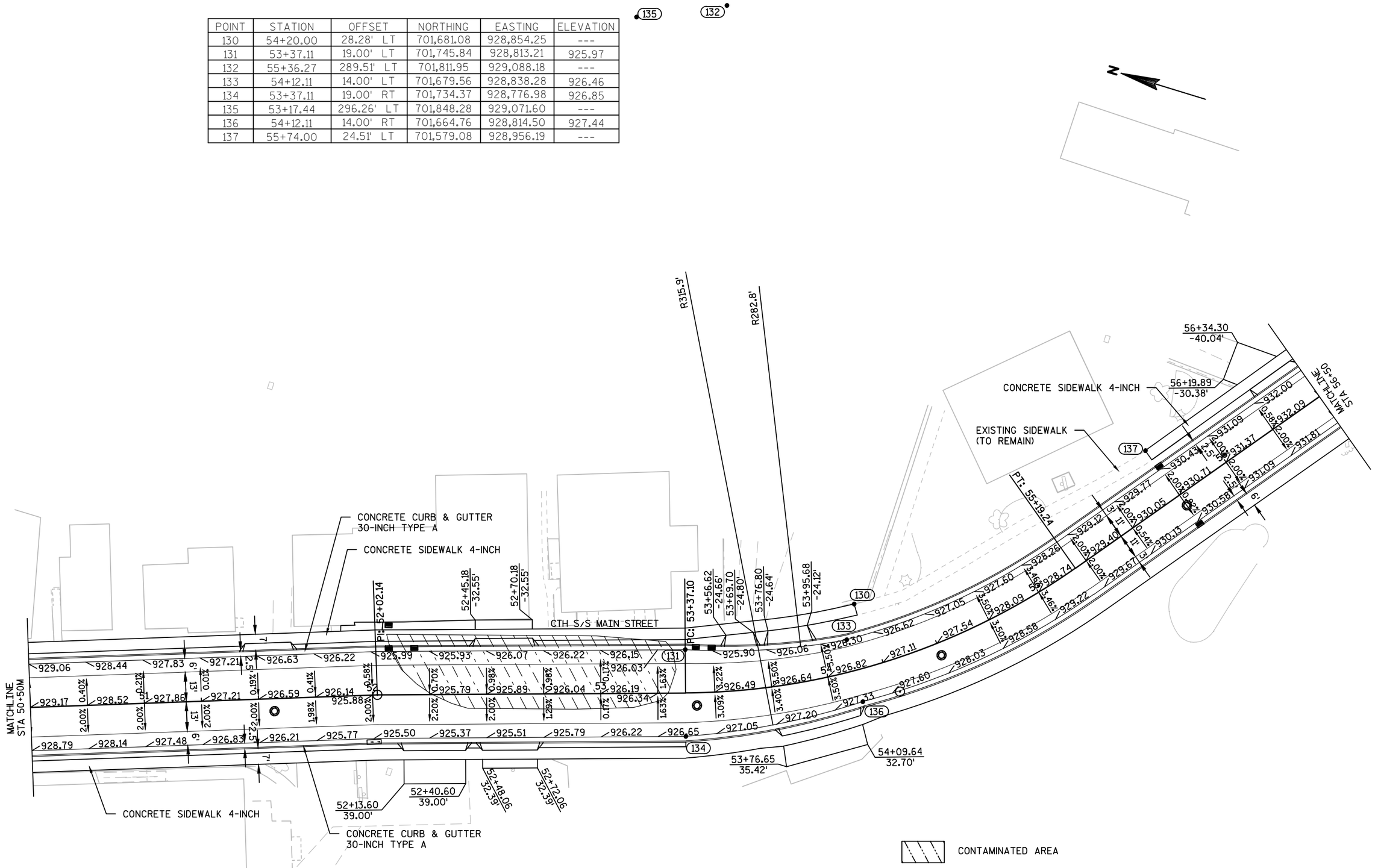
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
80	45+49.37	31.38' RT	702,489.23	928,525.96	939.88
81	45+29.37	31.00' RT	702,509.22	928,526.08	---
82	45+37.56	12.75' RT	702,501.28	928,544.43	941.35
83	45+36.88	30.50' RT	702,501.72	928,526.67	---
84	45+35.96	26.50' RT	702,502.70	928,530.66	---
85	44+84.57	20.75' LT	702,554.71	928,577.24	945.92
86	45+39.15	22.16' LT	702,500.15	928,579.36	943.14
87	45+37.56	11.62' LT	702,501.60	928,568.80	942.75
88	45+32.63	31.00' LT	702,506.79	928,588.12	---
89	45+52.62	30.58' LT	702,486.79	928,587.96	943.13
90	46+17.10P	20.45' LT	702,495.09	928,607.15	---
91	46+42.65P	12.00' LT	702,486.43	928,632.63	942.25
92	46+42.65P	12.00' RT	702,462.43	928,632.44	941.89
93	45+86.96	33.70' LT	702,462.75	928,592.45	942.71
94	46+01.21	29.00' LT	702,447.75	928,592.33	---
95	46+01.21	14.00' LT	702,443.17	928,578.05	941.89
96	46+30.78	14.00' LT	702,415.01	928,587.08	942.15
97	46+30.78	34.00' LT	702,421.12	928,606.12	---

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
98	46+39.72	16.11' LT	702,407.14	928,591.82	942.25
99	46+41.28	16.89' LT	702,405.90	928,593.03	942.27
100	46+50.22	1.00' RT	702,391.92	928,578.73	---
101	46+50.22	19.00' LT	702,398.03	928,597.77	942.38
102	45+30.77P	14.00' RT	702,461.26	928,520.58	939.00
103	45+88.77	42.50' RT	702,437.76	928,520.45	---
104	45+88.77	19.00' RT	702,444.93	928,542.83	940.42
105	47+00.65	19.00' LT	702,350.01	928,613.17	942.39
106	47+00.65	1.00' RT	702,343.90	928,594.13	---
107	47+09.61	16.84' LT	702,340.54	928,613.85	942.23
108	47+11.05	16.11' LT	702,338.95	928,613.57	942.18
109	47+20.00	34.00' LT	702,335.58	928,633.29	---
110	47+20.00	14.00' LT	702,329.77	928,614.15	941.99
111	48+00.72	14.00' LT	702,252.53	928,637.60	939.25
112	48+00.72	34.00' LT	702,258.34	928,656.74	---
113	48+09.66	16.11' LT	702,244.59	928,642.22	938.96
114	48+11.22	16.89' LT	702,243.33	928,643.41	938.90
115	48+20.16	1.00' RT	702,229.57	928,628.90	---
116	48+20.16	19.00' LT	702,235.38	928,648.03	938.65

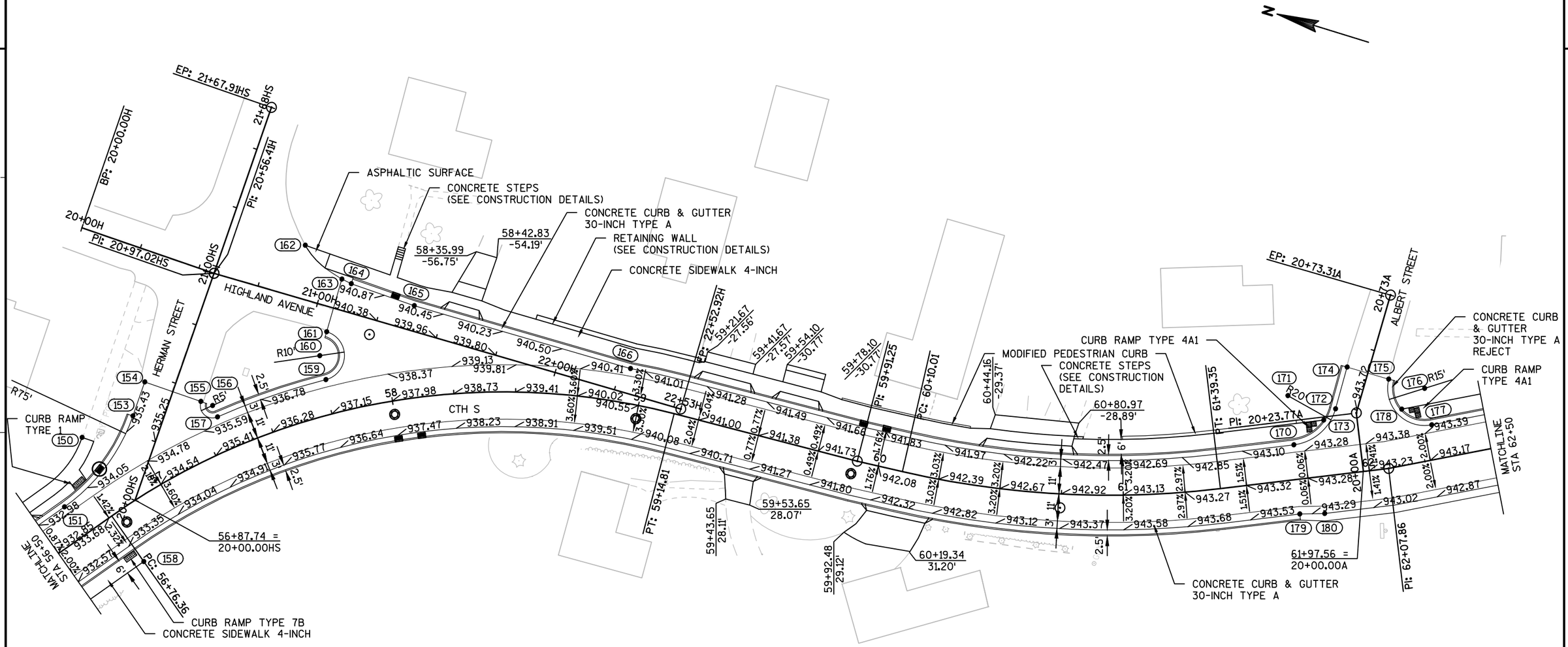


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVING DETAILS	SHEET 46	E

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
130	54+20.00	28.28' LT	701,681.08	928,854.25	---
131	53+37.11	19.00' LT	701,745.84	928,813.21	925.97
132	55+36.27	289.51' LT	701,811.95	929,088.18	---
133	54+12.11	14.00' LT	701,679.56	928,838.28	926.46
134	53+37.11	19.00' RT	701,734.37	928,776.98	926.85
135	53+17.44	296.26' LT	701,848.28	929,071.60	---
136	54+12.11	14.00' RT	701,664.76	928,814.50	927.44
137	55+74.00	24.51' LT	701,579.08	928,956.19	---



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVING DETAILS	SHEET 47	E



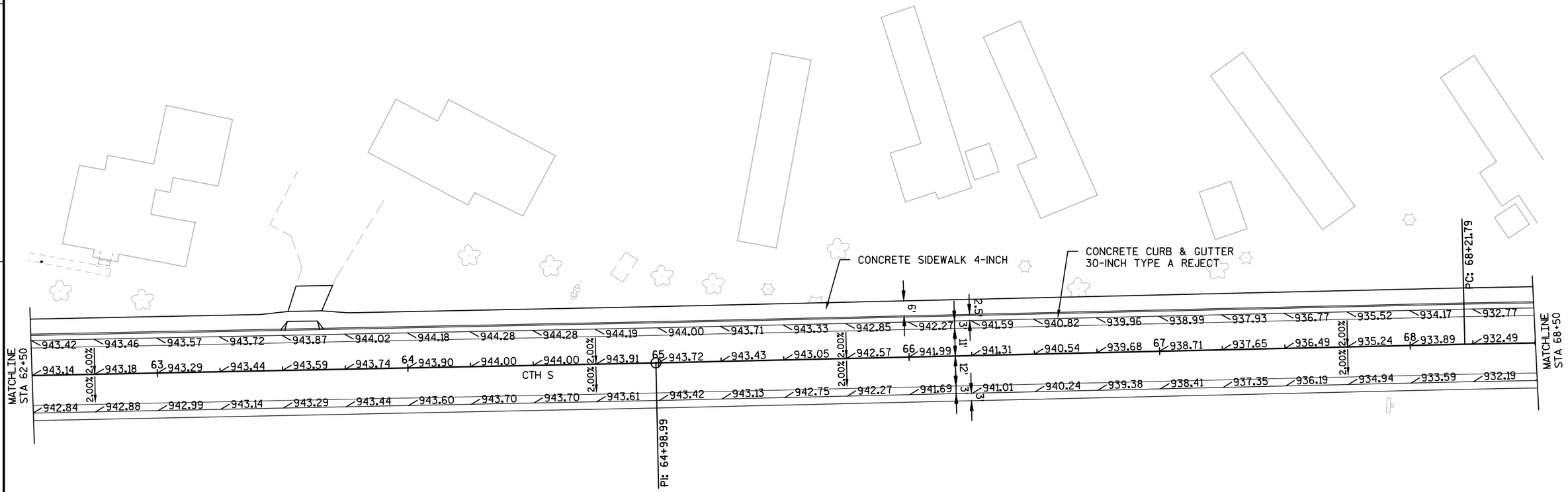
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
150	56+83.91	32.98' LT	701,518.01	929,049.04	---
151	56+62.81	14.00' LT	701,516.51	929,020.10	933.51
152	56+62.81	89.00' LT	701,575.90	929,065.91	---
153	57+03.70	29.61' LT	701,500.94	929,063.38	935.83
154	57+13.23	39.40' LT	701,500.45	929,077.89	936.77
155	57+28.48	22.42' LT	701,476.47	929,077.07	936.61
156	57+31.87	19.00' LT	701,471.47	929,076.90	---
157	57+31.87	14.00' LT	701,468.20	929,073.12	936.14
158	56+76.36	22.50' RT	701,479.34	929,008.53	---
159	57+76.02	14.00' LT	701,430.80	929,100.48	937.69
160	57+76.02	24.00' LT	701,436.04	929,109.00	---
161	57+80.57	32.65' LT	701,436.21	929,119.00	940.13
162	57+80.34	68.64' LT	701,454.79	929,149.82	---
163	57+89.79	52.14' LT	701,436.61	929,141.19	941.01

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
164	57+92.63	49.54' LT	701,432.42	929,140.51	940.97
165	58+13.16	36.88' LT	701,405.52	929,139.55	940.61
166	58+94.20	14.00' LT	701,314.46	929,141.17	940.93
170	61+70.89	14.00' LT	701,049.29	929,191.11	943.25
171	61+70.89	34.00' LT	701,057.44	929,209.37	---
172	61+89.41	26.45' LT	701,037.45	929,210.03	943.58
173	61+84.08	22.50' LT	701,040.70	929,204.25	---
174	61+96.02	42.67' LT	701,038.02	929,227.53	944.50
175	62+14.71	35.43' LT	701,020.50	929,227.86	944.40
176	62+28.27	29.00' LT	701,005.51	929,228.59	---
177	62+28.27	14.00' LT	700,998.44	929,215.36	943.45
178	62+17.59	22.50' LT	701,011.86	929,217.82	---
179	61+70.00	14.00' RT	701,038.69	929,165.18	943.34
180	61+80.00	15.00' RT	701,029.15	929,168.34	943.24

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVING DETAILS	SHEET 48	E

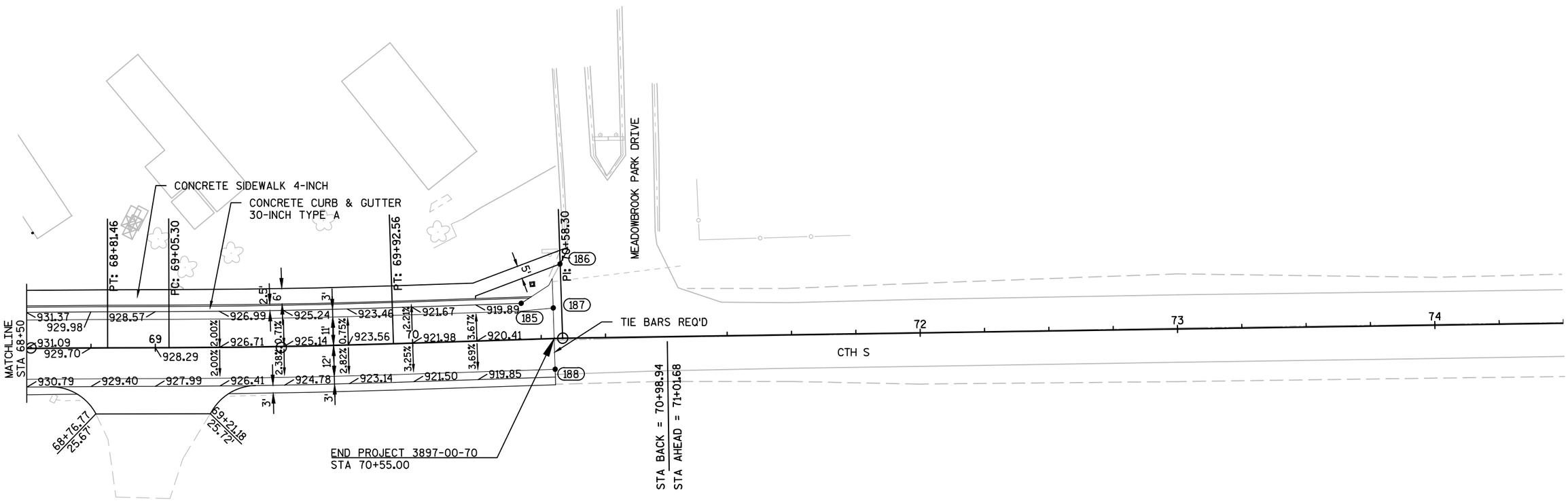
2

N



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVING DETAILS	SHEET 49	E

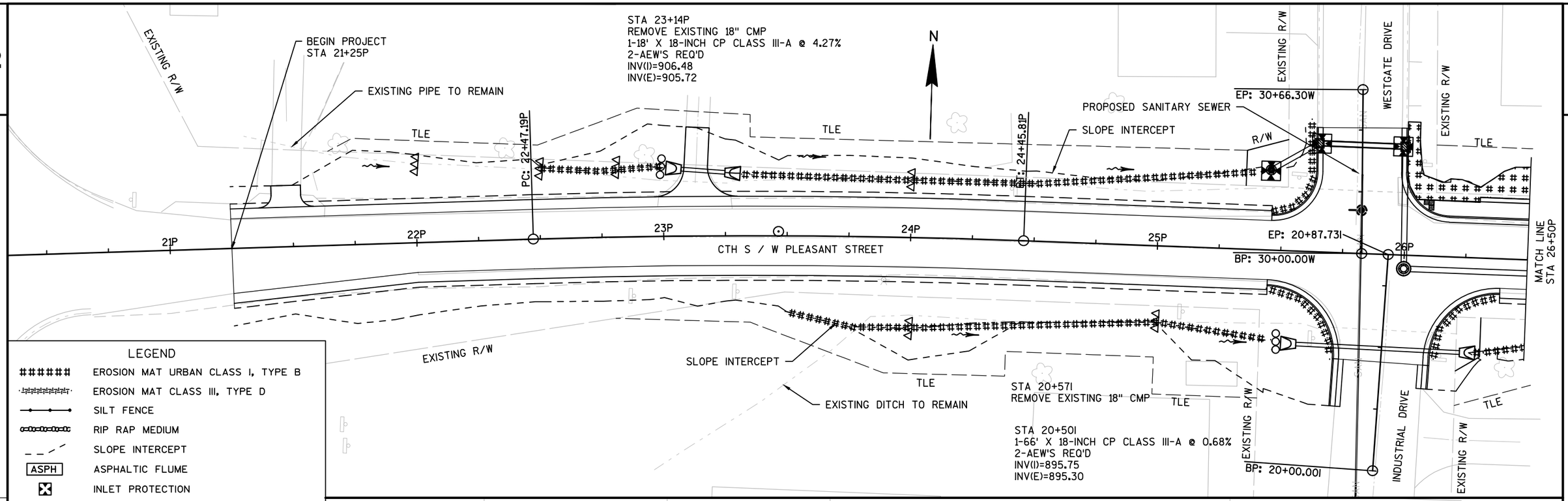
2



POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
185	70+42.64	14.00' LT	700,280.83	929,599.98	918.64
186	70+58.21	28.80' LT	700,274.34	929,620.46	---
187	70+55.00	11.79' LT	700,268.94	929,604.01	917.88
188	70+55.00	12.00' RT	700,257.45	929,583.18	918.01

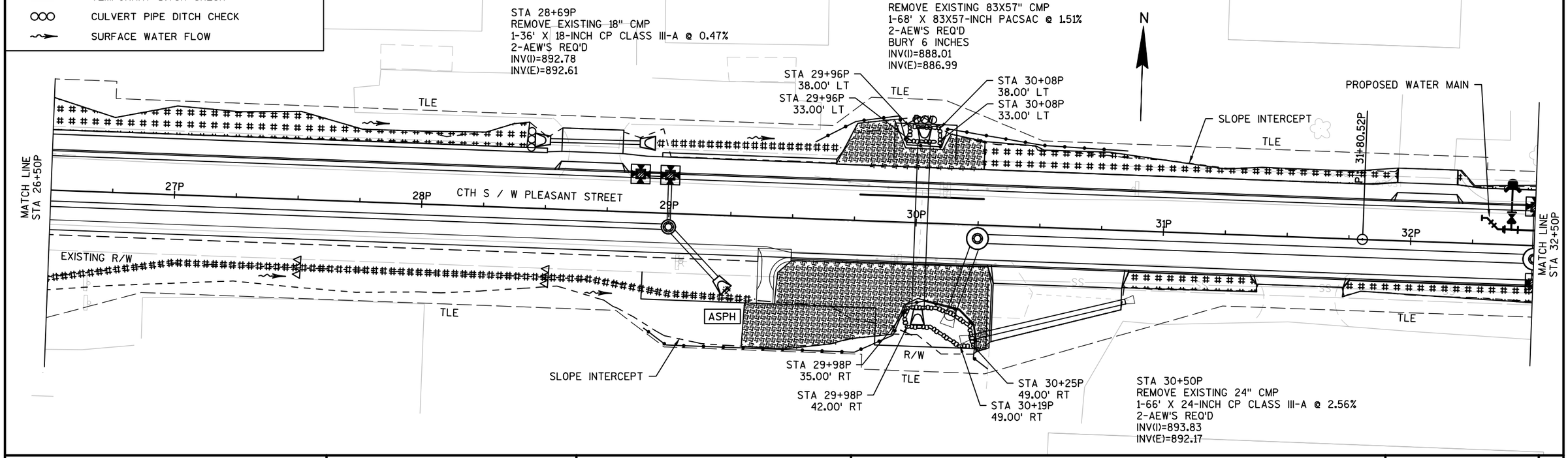
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVING DETAILS	SHEET 50	E

2



LEGEND

- ###### EROSION MAT URBAN CLASS I, TYPE B
- EROSION MAT CLASS III, TYPE D
- SILT FENCE
- RIP RAP MEDIUM
- SLOPE INTERCEPT
- ASPH ASPHALTIC FLUME
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	EROSION CONTROL	SHEET	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\EROSION CONTROL\022001-EC.DWG
LAYOUT NAME - 022001-EC - 01
PLOT DATE : 10/25/2016 4:24 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

N

EXISTING R/W

PROPOSED WATER MAIN

SLOPE INTERCEPT

TLE

P.I.: 37+99.00P

MATCH LINE STA 32+50P

33P

34P

35P

EP: 21+00.00B

36P

37P

38P

CTH S / W PLEASANT STREET

MATCH LINE STA 38+50P

EXISTING R/W

TLE

SLOPE INTERCEPT

EXISTING R/W

BURKWALD AVENUE

EXISTING R/W

LEGEND

######	EROSION MAT URBAN CLASS I, TYPE B
	EROSION MAT CLASS III, TYPE D
	SILT FENCE
	RIP RAP MEDIUM
	SLOPE INTERCEPT
ASPH	ASPHALTIC FLUME
	INLET PROTECTION
	TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK
	SURFACE WATER FLOW

EXISTING R/W

EP: 20+92.66PS

FENCE CHAIN LINK POLYMER-COATED 4-FT

BETWEEN WALLS FILL WITH WALL BACKFILL, TYPE A NO. 1 CONCRETE COARSE AGGREGATE

EXISTING RETAINING WALL TO REMAIN

SLOPE INTERCEPT

PARK STREET

N

PROPOSED WATER MAIN

TLE

P.I.: 38+82.61P

P.I.: 39+46.99P

EXISTING R/W

MATCH LINE STA 38+50P

39P

40P

41P

42P

43P

44P

BP: 20+00.00PS

CTH S / W PLEASANT STREET

MATCH LINE STA 44+50P

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

EXISTING R/W

EXISTING R/W

EXISTING R/W

TLE

SLOPE INTERCEPT

PLE

PLE

PROPOSED SANITARY SEWER

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	EROSION CONTROL	SHEET 52 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\EROSION CONTROL\022001-EC.DWG
LAYOUT NAME - 022001-EC - 02

PLOT DATE : 10/25/2016 4:24 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

BP: 44+42.30

TLE

EXISTING R/W

E PLEASANT STREET

PI: 45+78.30

EXISTING R/W

PROPOSED WATER MAIN

PI: 47+04.04

SLOPE INTERCEPT

TLE

PI: 48+60.04

TLE

EXISTING R/W

TLE

TLE

MATCH LINE
STA 50+50P

45

N MAIN STREET

PI: 45+63.2PP

46P

46

47

48

CTH S / S MAIN STREET

49

50

EXISTING R/W

EXISTING R/W

CTH S / W PLEASANT STREET

EXISTING R/W

TLE

R/W

TLE

EXISTING R/W

TLE

SLOPE INTERCEPT

R/W

TLE

CONNECTION TO
RESIDENTIAL SUMP

EXISTING R/W

45P

EXISTING R/W

TLE

MATCH LINE
STA 44+50P

LEGEND

#######	EROSION MAT URBAN CLASS I, TYPE B
	EROSION MAT CLASS III, TYPE D
	SILT FENCE
	RIP RAP MEDIUM
	SLOPE INTERCEPT
ASPH	ASPHALTIC FLUME
	INLET PROTECTION
	TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK
	SURFACE WATER FLOW

N

ESTIMATED LOCATION OF
CONTAMINATED SOIL
& GROUNDWATER

EXISTING PIPE TO REMAIN

PROPOSED WATER MAIN

SLOPE INTERCEPT

PI: 52+02.14

PC: 53+37.10

PT: 55+19.24

MATCH LINE
STA 56+00P

TLE

EXISTING R/W

R/W

51

52

53

54

55

CTH S / S MAIN STREET

EXISTING R/W

MATCH LINE
STA 50+50P

EXISTING R/W

R/W

TLE

TLE

TLE

PLE

PLE

SLOPE INTERCEPT

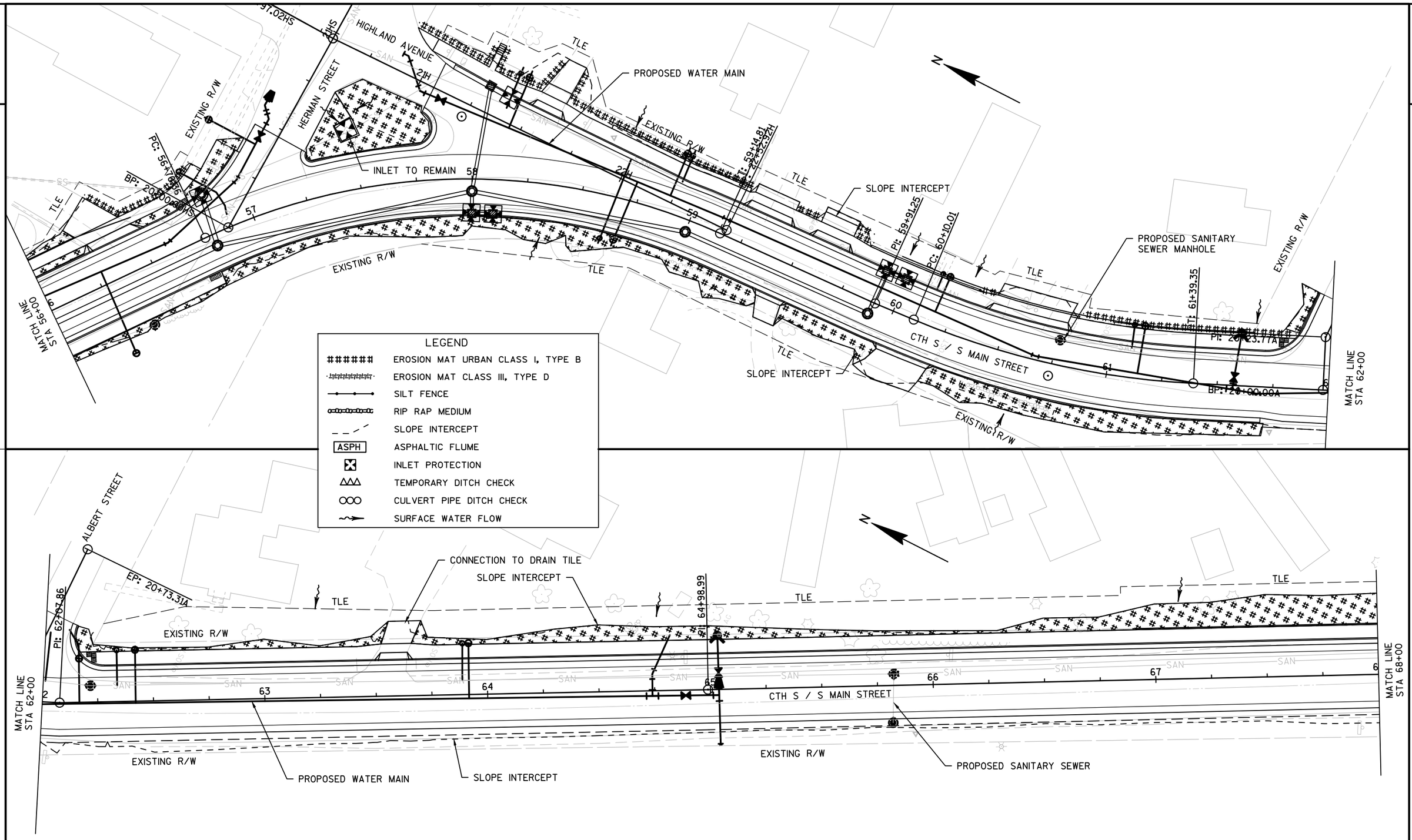
PROPOSED SANITARY SEWER MANHOLE

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	EROSION CONTROL	SHEET 53	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\EROSION CONTROL\022001-EC.DWG
LAYOUT NAME - 022001-EC - 03

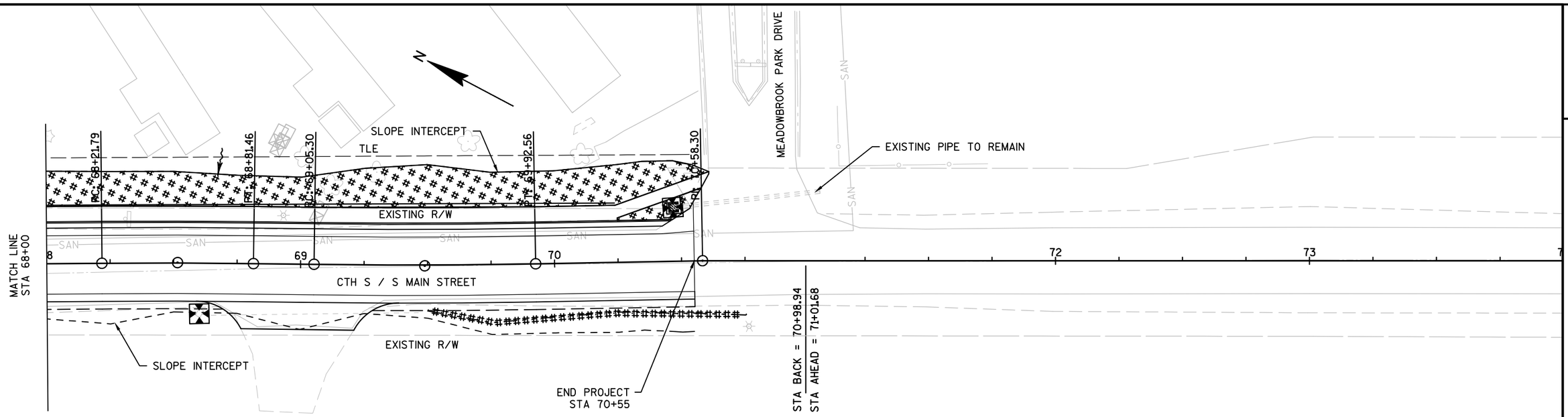
PLOT DATE : 10/25/2016 4:25 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	EROSION CONTROL	SHEET 54	E

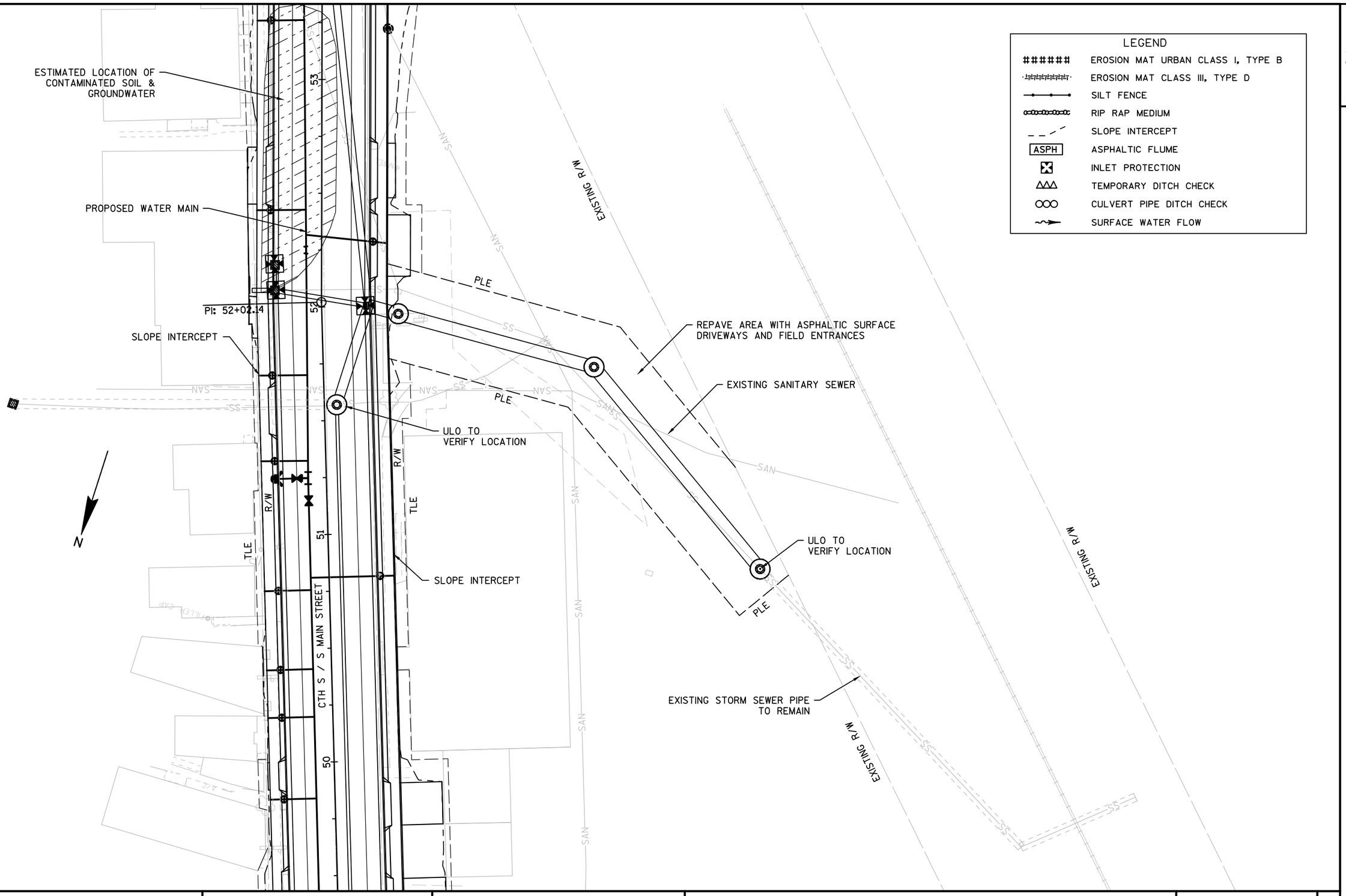
FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\EROSION CONTROL\022001-EC.DWG
LAYOUT NAME - 022001-EC - 04
PLOT DATE : 10/25/2016 4:25 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



LEGEND

######	EROSION MAT URBAN CLASS I, TYPE B
	EROSION MAT CLASS III, TYPE D
	SILT FENCE
	RIP RAP MEDIUM
	SLOPE INTERCEPT
ASPH	ASPHALTIC FLUME
	INLET PROTECTION
	TEMPORARY DITCH CHECK
	CULVERT PIPE DITCH CHECK
	SURFACE WATER FLOW

2



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	EROSION CONTROL	SHEET	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\EROSION CONTROL\022001-EC.DWG
LAYOUT NAME - 022001-EC - 03

PLOT DATE : 10/25/2016 4:25 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : **********

N

INLETS 2X3-FT-H
STA. 30+44.52W, 17.45' LT
GRATE = 899.19
I.E. = 894.83 (21" E)
I.E. = 895.08 (18" SW)
2.0

INLETS MEDIAN 1 GRATE MS
STA. 25+44.98P, 32.42' LT
GRATE = 897.81
IE = 895.19
1.0

EP: 30+66.30W

WESTGATE DRIVE

2.1 INLETS 2X3-FT-H
STA. 30+43.37W, 17.45' RT
GRATE = 898.87
I.E. = 894.66 (21" W)
I.E. = 894.66 (21" S)

REMOVE EXISTING 15" SS PIPE

REMOVE EXISTING PIPE ARCH CSAC 83X57-INCH

INLET 2X3-FT. - H
STA. 28+88.00P, 15.50' LT
GRATE = 895.54
I.E. = 892.22 (12" E)
3.3

3.2 INLET 2X3 - FT. - H
STA = 29+00.00P, 15.50' LT
RIM = 895.39
I.E. = 892.16 (12" W)
I.E. = 892.16 (12" S)

PT: 24+45.81P

TLE

EXISTING R/W

R/W

REMOVE EXISTING INLET

REMOVE EXISTING 18" SS PIPE

24P 25P 26P 27P CTH S/WEST PLEASANT ST 28P 29P 30P

BP: 30+00.00W

EP: 20+87.73I

EXISTING R/W

EXISTING R/W

TLE

2.2 MANHOLE 5-FT. DIA. - J
STA = 26+00.00P, 5.50' RT
RIM = 899.58
I.E. = 894.41 (21" N)
I.E. = 894.41 (21" E)

MANHOLE 5-FT. DIA. - J
STA. 29+00.00P, 5.50' RT
RIM = 895.13
I.E. = 890.99 (21" W)
I.E. = 892.06 (12" N)
I.E. = 890.99 (21" SE)
3.0

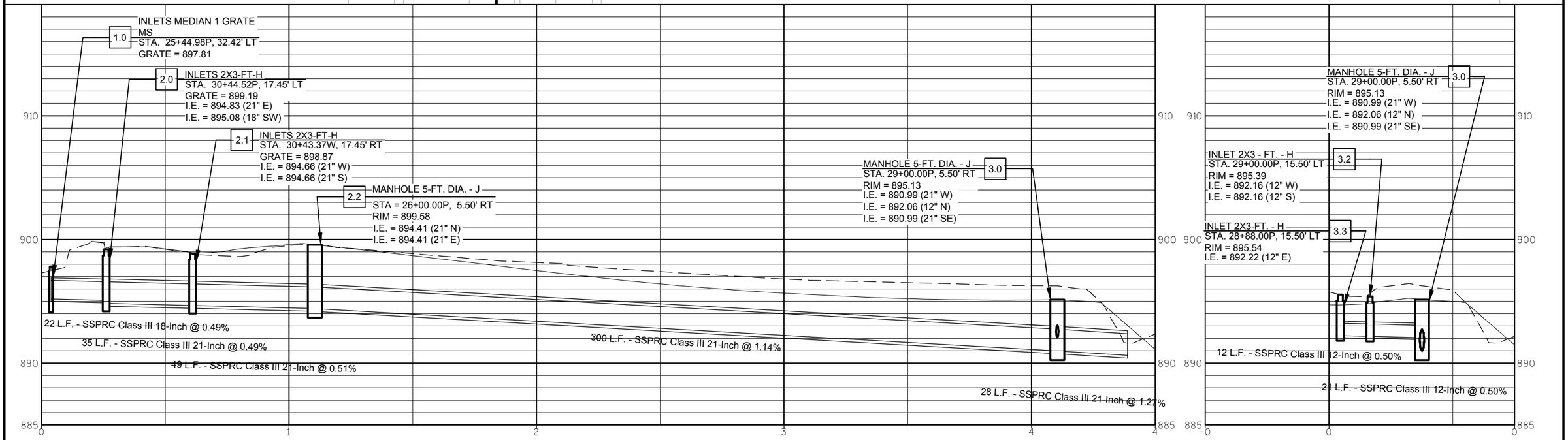
PROPOSED SANITARY SEWER

INDUSTRIAL DRIVE

REMOVE EXISTING 18" PIPE

BP: 20+00.00I

Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch
STA. 29+20.04 P, 25.54' RT
I.E.=890.63
3.1



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 57	E

2

N

5.0 MANHOLE 7-FT. DIA. - J
STA = 30+25.00P, 5.50' RT
RIM = 895.74
I.E. = 887.85 (36" S)
I.E. = 887.85 (36" E)

6.0 MANHOLE 7-FT. DIA. - J
STA = 32+50.00P, 5.50' RT
RIM = 897.91
I.E. = 888.86 (36" W)
I.E. = 888.86 (36" E)
I.E. = 893.98 (12" S)
I.E. = 893.98 (12" N)

7.0 MANHOLE 7-FT. DIA. - J
STA = 33+86.39P, 5.50' RT
RIM = 900.67
I.E. = 889.47 (36" W)
I.E. = 889.47 (36" E)
I.E. = 893.19 (12" S)

8.0 MANHOLE 7-FT. DIA. - J
STA. 36+00.00P, 5.50' RT
RIM = 901.46
I.E. = 890.43 (36" W)
I.E. = 896.02 (12" S)
I.E. = 890.43 (36" E)
I.E. = 896.02 (12" N)

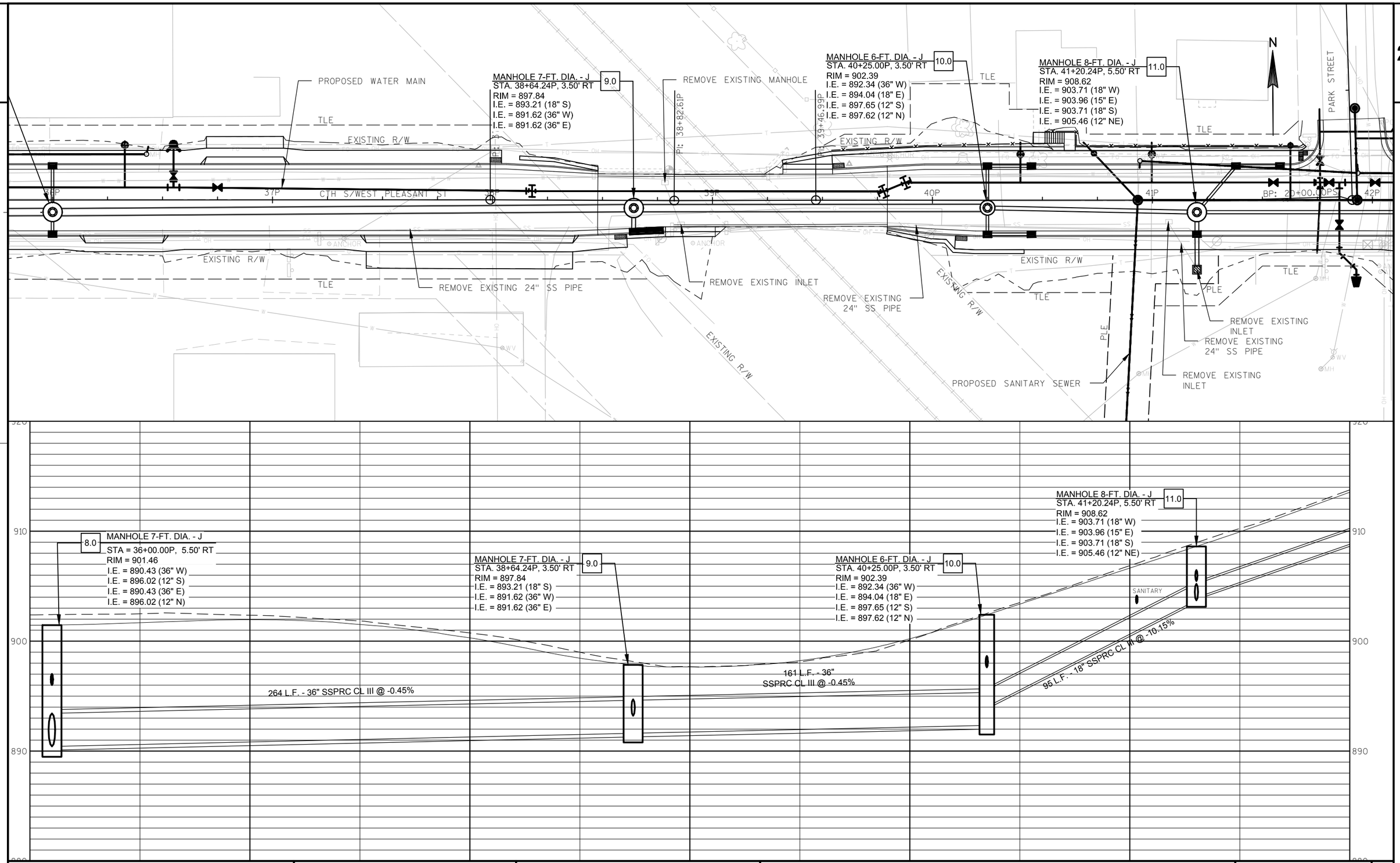
4.0 AE FOR CPRC 36-INCH
STA. 30+15.20P, 36.60' RT
I.E. = 887.70 (36" N)

R/W
TLE
EXISTING R/W
PI: 31+80.52P
CTH S/WEST PLEASANT ST
30P
31P
32P
33P
34P
35P
EP: 21+00.00B
36P
REMOVE EXISTING 24" SS PIPE
REMOVE EXISTING 12" SS PIPE
PROPOSED WATER MAIN
EXISTING INLET TO REMAIN
BURKWALD AVENUE
BP: 20+00.00B

910
900
890
880

225 L.F. - 36" SSPRC CL III @ -0.45%
33 L.F. - 36" SSPRC CL III @ -0.46%
136 L.F. - 36" SSPRC CL III @ -0.45%
214 L.F. - 36" SSPRC CL III @ -0.45%

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 58	E



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 59 E

MANHOLE 8-FT. DIA. - J
STA. 41+20.24P, 5.50' RT 11.0
RIM = 908.62
I.E. = 903.71 (18" W)
I.E. = 903.96 (15" E)
I.E. = 903.71 (18" S)
I.E. = 905.46 (12" NE)

MANHOLE 4-FT. DIA. - J
STA. 42+60.01P, 5.52' RT 12.0
RIM = 918.63
I.E. = 913.68 (15" W)
I.E. = 913.68 (15" E)
I.E. = 913.93 (12" S)
I.E. = 913.93 (12" N)

MANHOLE 4-FT. DIA. - J
STA. 45+08.00P, 5.50' RT 13.0
RIM = 937.34
I.E. = 932.17 (15" W)
I.E. = 932.42 (12" S)
I.E. = 932.42 (12" N)

PROPOSED WATER MAIN
PROPOSED SANITARY SEWER
EXISTING R/W
PARK STREET
NORTH MAIN ST
CTH S/SOUTH MAIN ST
CTH S/WEST PLEASANT ST
E PLEASANT ST
TLE
PLE
BP: 20+00.00PS
PI 45+78.30
41P
42P
43P
44P
45P
46P
45+00
46+00
REMOVE EXISTING 24" SS PIPE
REMOVE EXISTING INLET
REMOVE EXISTING 24" SS PIPE
ANCHOR
FLAG
MH
SAN
N

MANHOLE 4-FT. DIA. - J
STA. 45+08.00P, 5.50' RT 13.0
RIM = 937.34
I.E. = 932.17 (15" W)
I.E. = 932.42 (12" S)
I.E. = 932.42 (12" N)

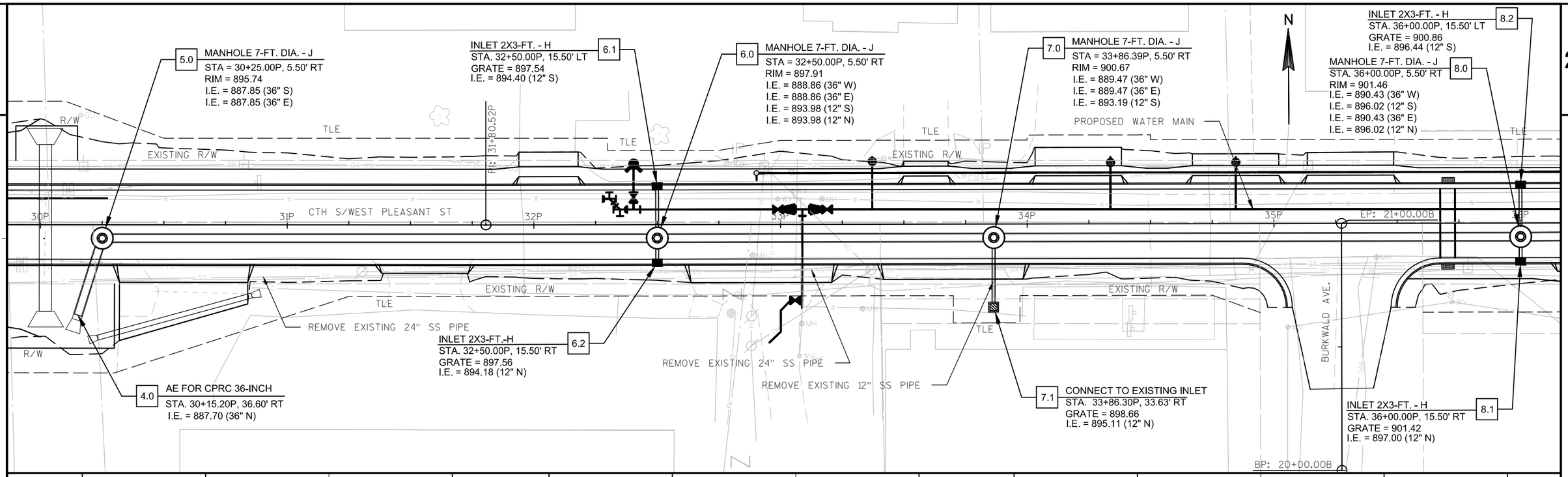
MANHOLE 4-FT. DIA. - J
STA. 42+60.01P, 5.52' RT 12.0
RIM = 918.63
I.E. = 913.68 (15" W)
I.E. = 913.68 (15" E)
I.E. = 913.93 (12" S)
I.E. = 913.93 (12" N)

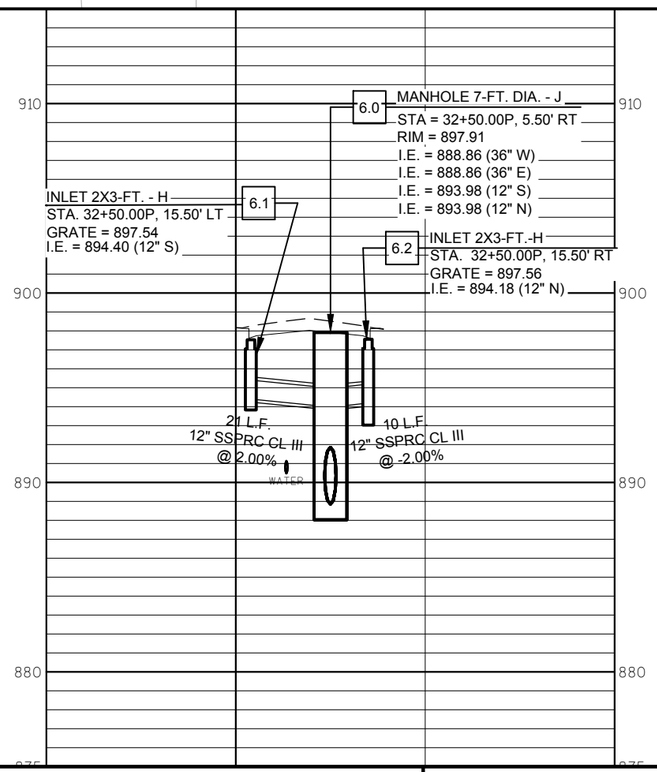
248 L.F. - 15" SSPRC CL III @ -7.46%
140 L.F. - 15" SSPRC CL III @ -6.95%

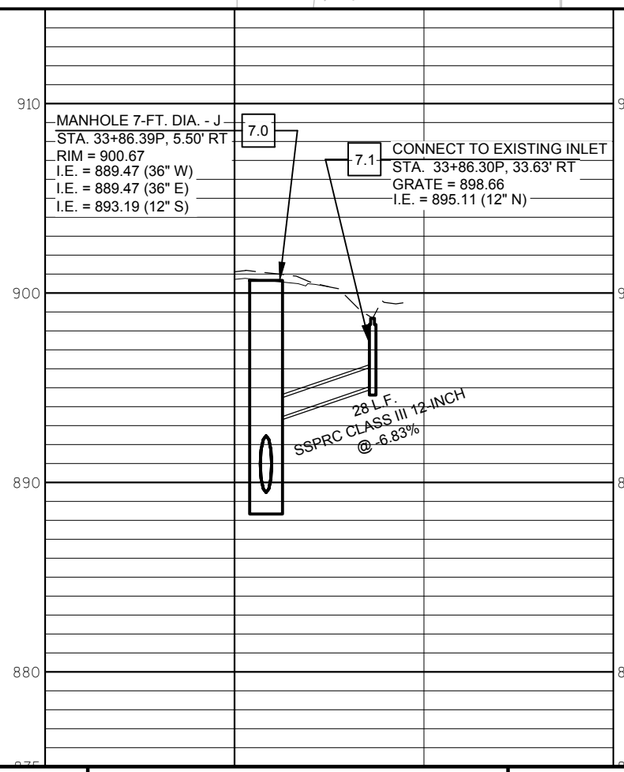
940
930
920
910

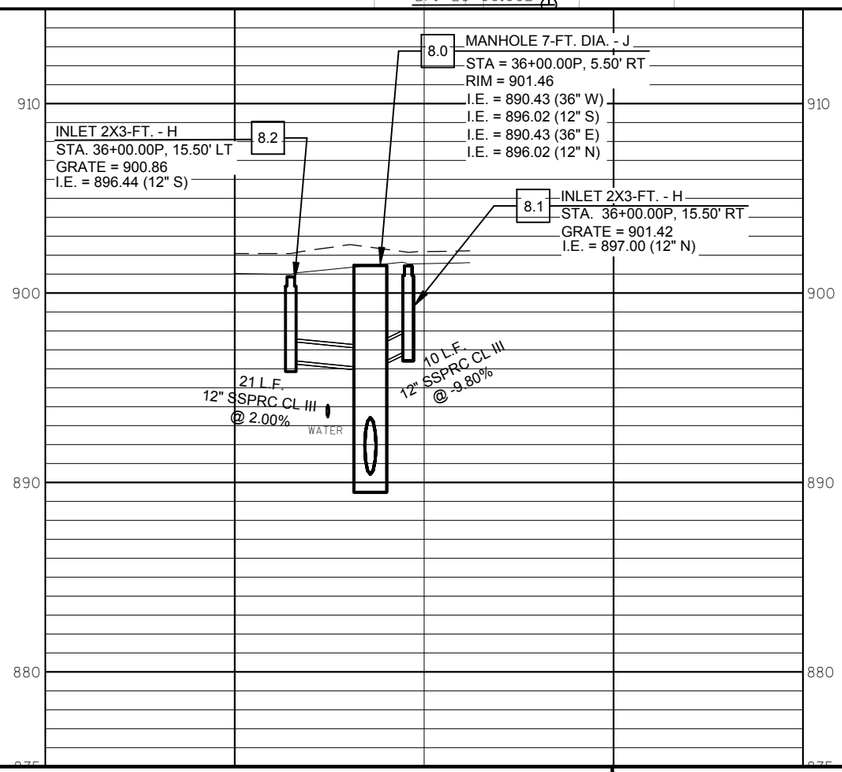
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 60	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\STORM SEWER\STORM SEWER PLEASANT 1.DWG
PLOT DATE : 10/25/2016 4:37 PM
PLOT BY : BOBBI MAXWELL
PLOT NAME :
PLOT SCALE : 1"= 40'_XREF
WISDOT/CADDS SHEET 41









PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 61 E

2

N

MANHOLE 7-FT. DIA. - J
STA. 38+64.24P, 3.50' RT
RIM = 897.84
I.E. = 893.21 (18" S)
I.E. = 891.62 (36" W)
I.E. = 891.62 (36" E)
9.0

PROPOSED WATER MAIN

TLE

EXISTING R/W

CTH S/WEST PLEASANT ST

REMOVE EXISTING MANHOLE

REMOVE EXISTING 24" SS PIPE

PI: 38+99.00P

PI: 38+82.61P

PI: 39+46.99P

ANCHOR

37P

38P

39P

40P

41P

42P

MANHOLE 6-FT. DIA. - J
STA. 40+25.00P, 3.50' RT
RIM = 902.39
I.E. = 892.34 (36" W)
I.E. = 894.04 (18" E)
I.E. = 897.65 (12" S)
I.E. = 897.62 (12" N)
10.0

INLET 2X3-FT. - H
STA. 40+25.00P, 15.50' LT
GRATE = 901.98
I.E. = 898.04 (12" S)
I.E. = 898.04 (12" E)
10.1

INLET 2X3-FT. - H
STA. 40+45.00P, 15.50' LT
GRATE = 903.29
I.E. = 898.44 (12" W)
10.2

MANHOLE 8-FT. DIA. - J
STA. 41+20.24P, 5.50' RT
RIM = 908.62
I.E. = 903.71 (18" W)
I.E. = 903.96 (15" E)
I.E. = 903.71 (18" S)
I.E. = 905.46 (12" NE)
11.0

INLET 2X3-FT. - H
STA. 41+38.00P, 15.50' LT
GRATE = 909.67
I.E. = 906.01 (12" SW)
I.E. = 906.01 (12" E)
11.1

INLET 2X3-FT. - H
STA. 41+58.00P, 15.50' LT
GRATE = 910.84
I.E. = 906.41 (12" W)
11.2

REMOVE EXISTING INLET

BP: 20+00.00PS

PARK ST

INLET 2X3-FT. - H
STA. 38+64.25P, 14.12' RT
GRATE = 897.42
I.E. = 893.34 (12" E)
I.E. = 893.34 (18" N)
9.1

INLET 2X3-FT. - H
STA. 38+68.09P, 13.92' RT
GRATE = 897.29
I.E. = 893.40 (12" E)
I.E. = 893.40 (12" W)
9.2

INLET 2X3-FT. - H
STA. 38+71.84P, 13.74' RT
GRATE = 897.18
I.E. = 893.46 (12" W)
I.E. = 893.46 (12" E)
9.3

INLET 2X3-FT. - H
STA. 38+75.75P, 13.54' RT
GRATE = 897.20
I.E. = 893.52 (12" W)
9.4

INLET 2X3-FT. - H
STA. 40+25.00P, 15.50' RT
GRATE = 901.98
I.E. = 897.82 (12" N)
I.E. = 897.99 (12" E)
10.3

INLET 2X3-FT. - H
STA. 40+45.00P, 15.50' RT
GRATE = 903.29
I.E. = 898.39 (12" W)
10.4

INLET 2X3-FT. - H
STA. 41+20.24P, 15.50' RT
GRATE = 908.23
I.E. = 903.81 (18" N)
I.E. = 903.81 (18" S)
11.3

INLET MEDIAN
1 GRATE - MS
STA. 41+20.30P, 31.61' RT
GRATE = 907.85
I.E. = 903.97 (18" N)
11.4

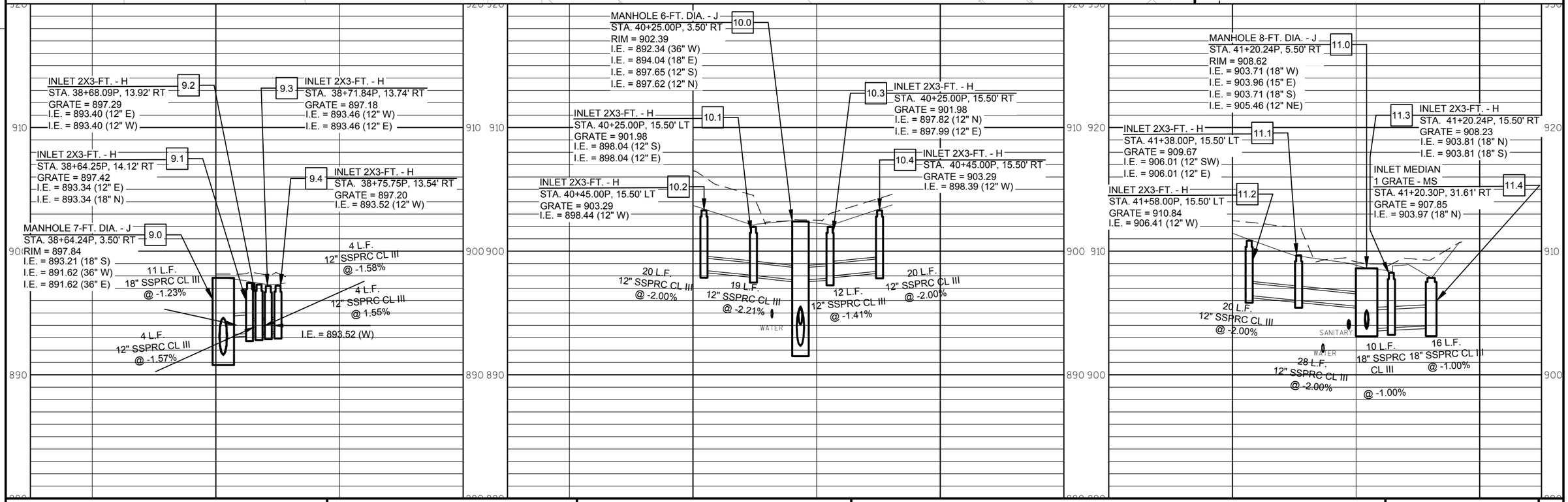
REMOVE EXISTING 24" SS PIPE

PROPOSED SANITARY SEWER

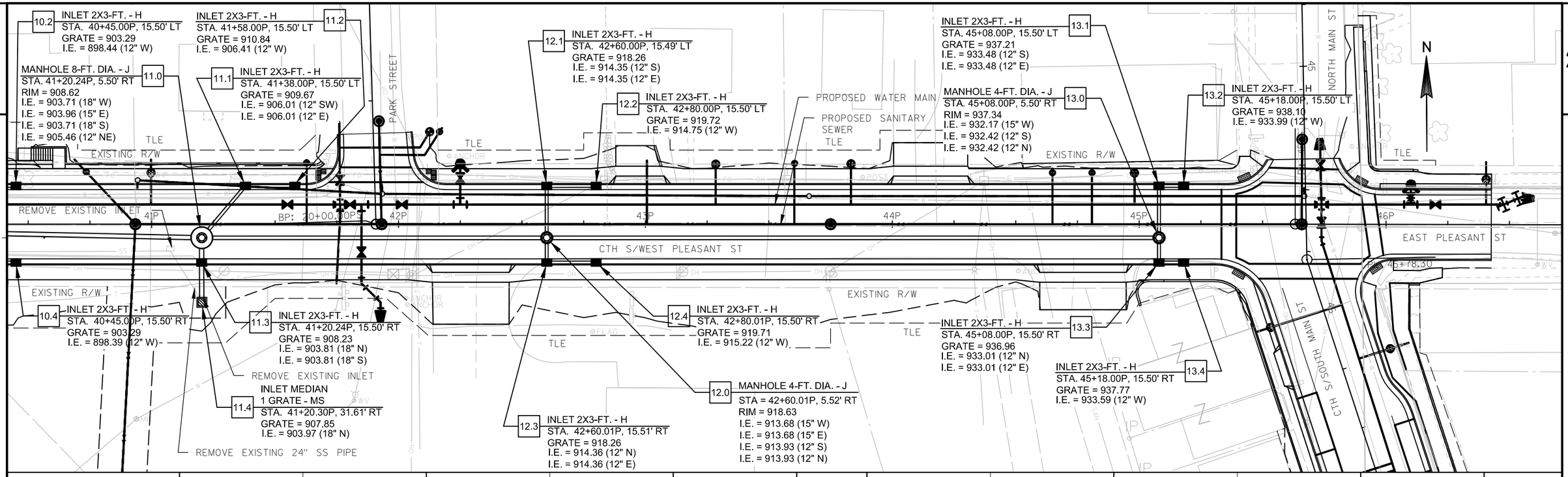
PLE

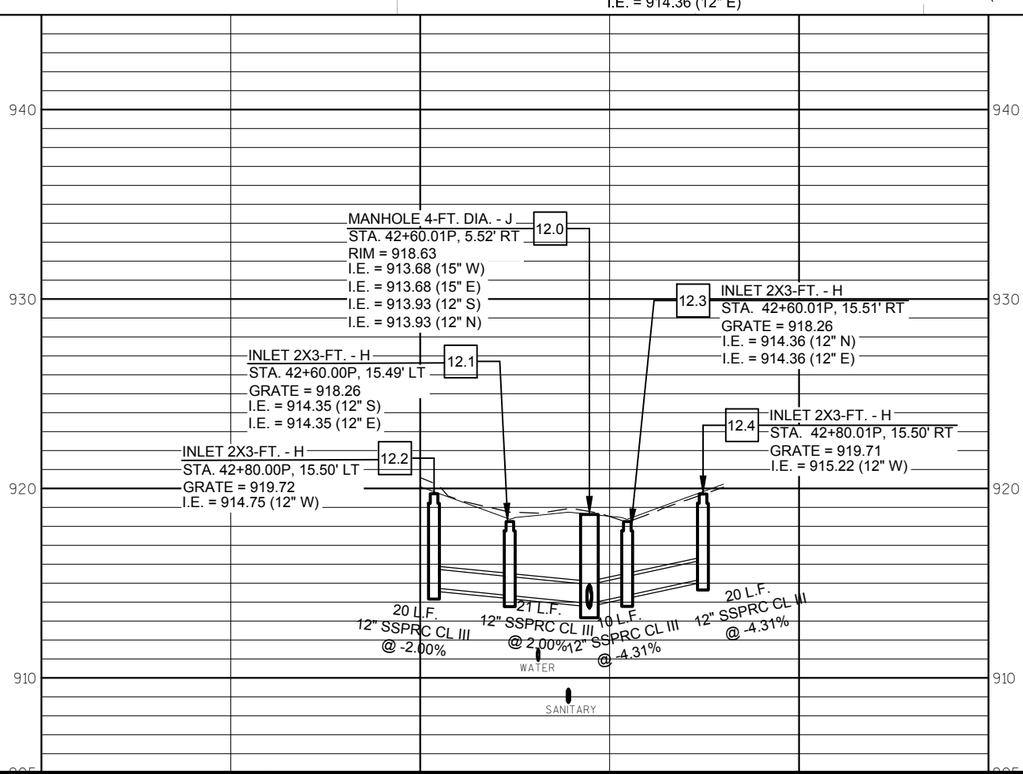
REMOVE EXISTING INLET

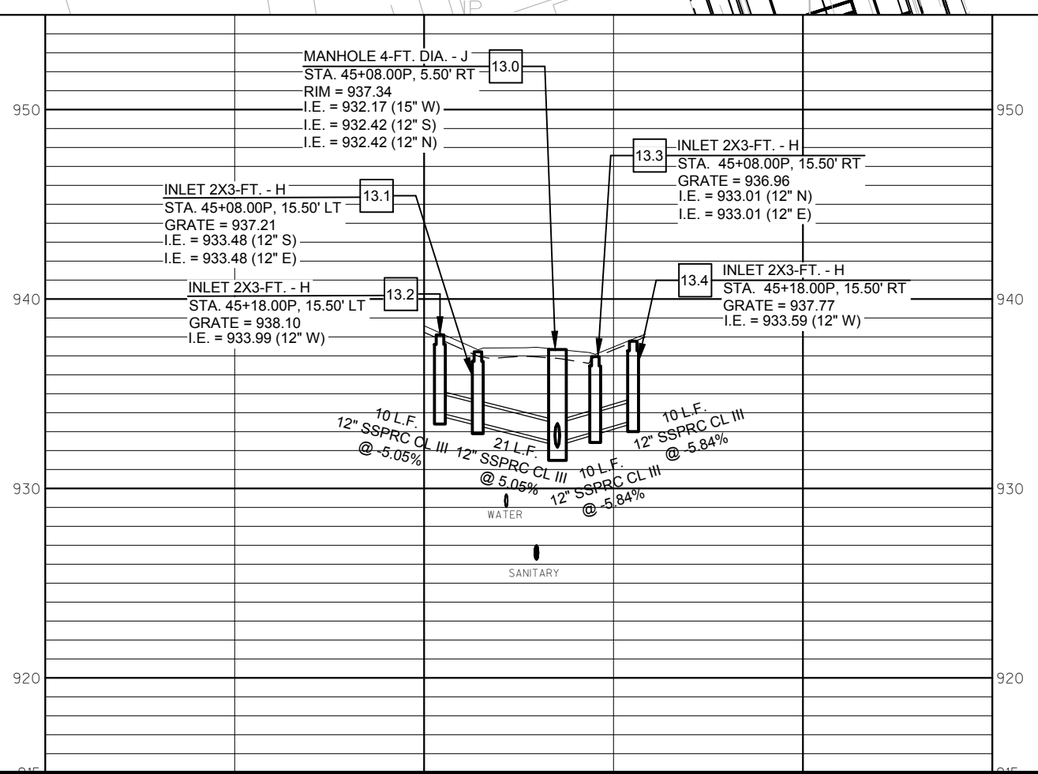
REMOVE EXISTING 24" SS PIPE



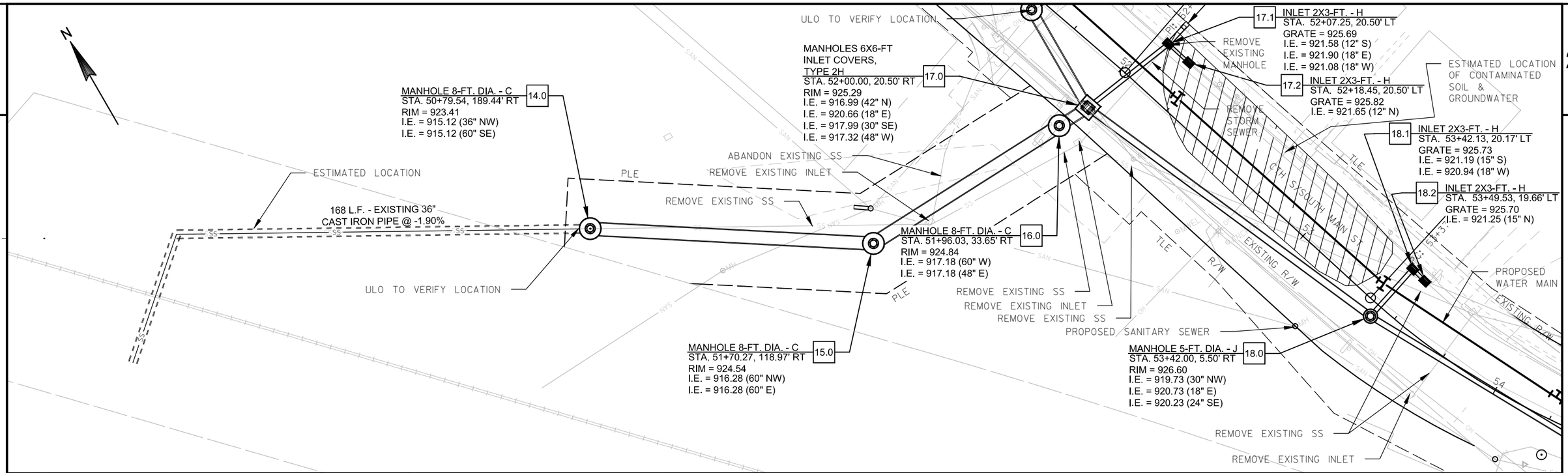
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 62	E

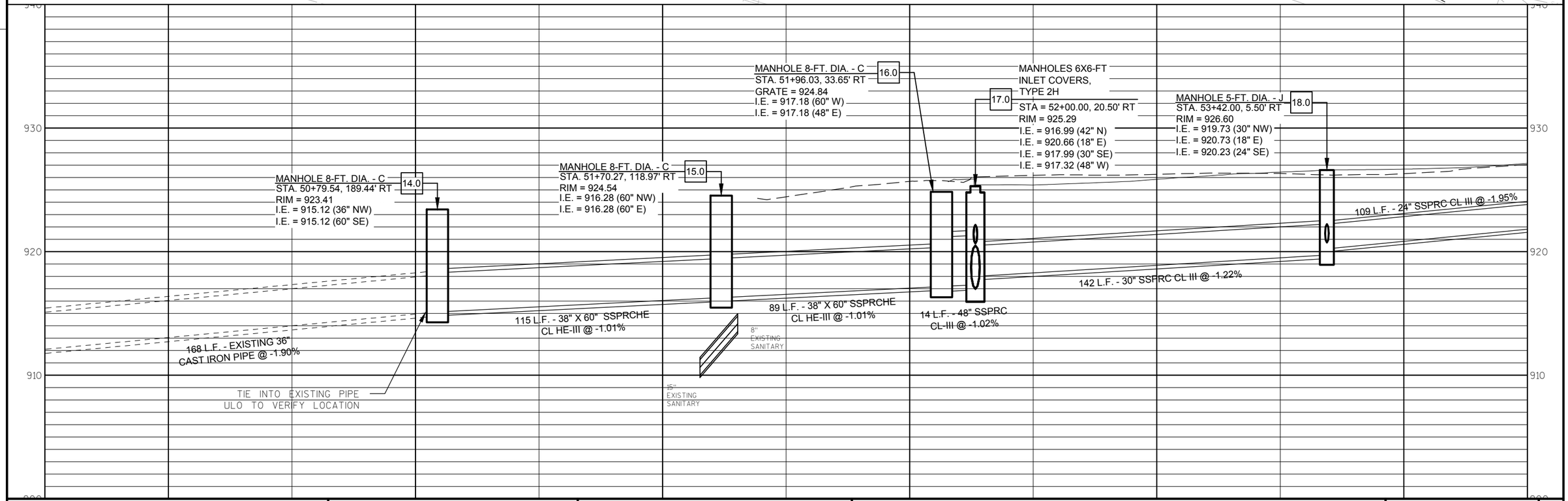




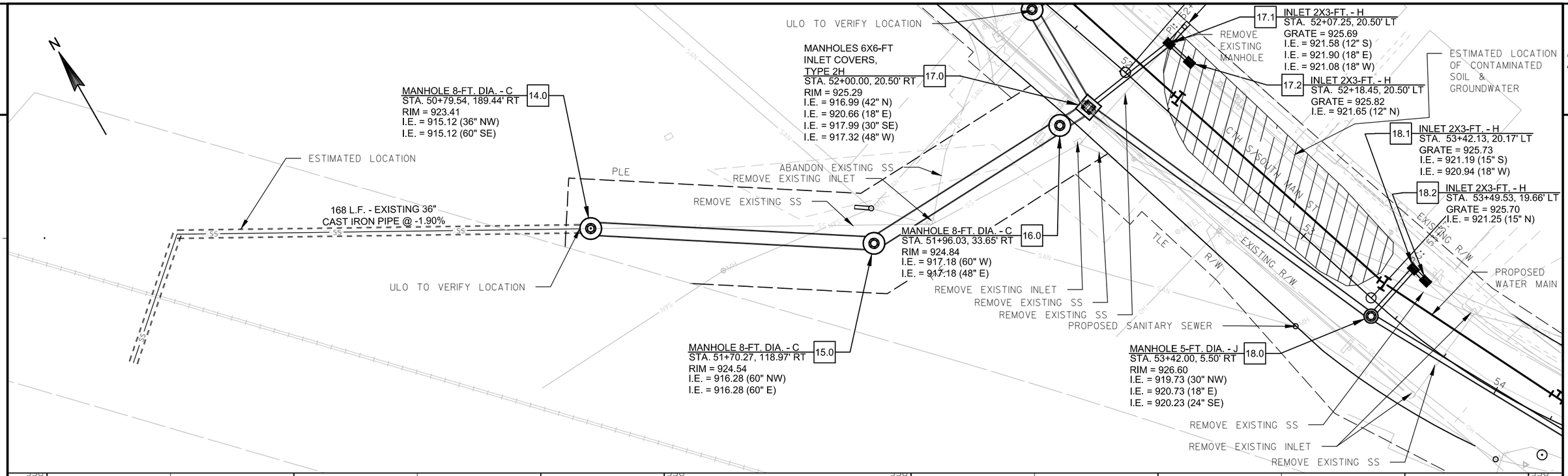


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 63 E





PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 64 E



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET	E

2

N

ULO TO VERIFY LOCATION

REMOVE EXISTING MANHOLE BACK TO BOX

17.3 CONCRETE COLLAR/HEADWALL
FIELD VERIFY LOCATION AND INVERT
STA. 52+07.25 , 30.50' LT

PI STA. 52+02.14

17.1 INLET 2X3-FT. - H
STA. 52+07.25, 20.50' LT
GRATE = 925.69
I.E. = 921.58 (12" S)
I.E. = 921.90 (18" E)
I.E. = 921.08 (18" W)

17.2 INLET 2X3-FT. - H
STA. 52+18.45, 20.50' LT
GRATE = 925.82
I.E. = 921.65 (12" N)

ESTIMATED LOCATION OF CONTAMINATED SOIL & GROUNDWATER

MANHOLES 6X6-FT
INLET COVERS,
TYPE 2H
STA. 52+00.00, 20.50' RT 17.0
RIM = 925.29
I.E. = 916.99 (42" N)
I.E. = 920.66 (18" E)
I.E. = 917.99 (30" SE)
I.E. = 917.32 (48" W)

MANHOLE 8-FT. DIA. - C
STA. 50+79.54, 189.44' RT 14.0
RIM = 923.41
I.E. = 915.12 (36" NW)
I.E. = 915.12 (60" SE)

ESTIMATED LOCATION

PLE

ABANDON EXISTING SS

REMOVE EXISTING INLET

REMOVE EXISTING SS

8 L.F. - EXISTING 36"
ST IRON PIPE @ -1.90%

ULO TO VERIFY LOCATION

MANHOLE 8-FT. DIA. - C
STA. 51+96.03, 33.65' RT 16.0
RIM = 924.84
I.E. = 917.18 (60" W)
I.E. = 917.18 (48" E)

PLE

REMOVE EXISTING INLET
REMOVE EXISTING SS

PROPOSED SANITARY SEWER

MANHOLE 8-FT. DIA. - C
STA. 51+70.27, 118.97' RT 15.0
RIM = 924.54
I.E. = 916.28 (60" NW)
I.E. = 916.28 (60" E)

18.1 INLET 2X3-FT. - H
STA. 53+42.13, 20.17' LT
GRATE = 925.73
I.E. = 921.19 (15" S)
I.E. = 920.94 (18" W)

18.2 INLET 2X3-FT. - H
STA. 53+49.53, 19.66' LT
GRATE = 925.70
I.E. = 921.25 (15" N)

CTH S/SOUTH MAIN ST

EXISTING R/W

REMOVE EXISTING SS

REMOVE EXISTING SS

MANHOLE 5-FT. DIA. - J
STA. 53+42.00, 5.50' RT 18.0
RIM = 926.60
I.E. = 919.73 (30" NW)
I.E. = 920.73 (18" E)
I.E. = 920.23 (24" SE)

REMOVE EXISTING INLET

PROPOSED WATER MAIN

54+19.24

940
930
920
910

INLET 2X3-FT. - H
STA. 52+07.25, 20.50' LT 17.1
GRATE = 925.69
I.E. = 921.58 (12" S)
I.E. = 921.90 (18" E)
I.E. = 921.08 (18" W)

CONNECT TO EXISTING 48"X48" BOX
1-CONC. COLLAR/HEADWALL SPECIAL REQ'D, SEE DETAIL

10 L.F. - 18" SSPRC CL III @ -1.90%

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\STORM SEWER\STORM SEWER MAIN 1.DWG PLOT DATE : 1/30/2017 10:45 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1:40_XREF

2

INLET 2 X 3-FT. - H
STA. 49+00.00, 20.50' LT
GRATE = 935.45
I.E. = 931.06 (12" W)
26.1

MANHOLE 4-FT. DIA.
STA. 49+00.00, 5.50' RT
RIM = 934.91
I.E. = 929.62 (12" S)
I.E. = 929.62 (12" W)
I.E. = 929.62 (12" E)
26.0

26.2 INLET 2X3-FT. - H
STA. 49+00.00, 20.50' RT
GRATE = 934.31
I.E. = 929.92 (12" E)

EXISTING STORM SEWER TO REMAIN

MANHOLE 7-FT. DIA. - J
STA. 51+56.84, 5.50' RT
RIM = 926.34
I.E. = 919.09 (42" S)
I.E. = 921.59 (12" N)
I.E. = 919.09 (42" E)
25.0

142 L.F. - Existing 42" Pipe

ESTIMATED LOCATION OF CONTAMINATED SOIL & GROUNDWATER

REMOVE EXISTING MANHOLE

PROPOSED WATER MAIN

REMOVE EXISTING INLET

EXISTING R/W

TLE

48 49 50 CTH S/SOUTH MAIN ST 51 52 53

REMOVE EXISTING SS

R/W

ULO TO VERIFY LOCATION

PROPOSED SANITARY SEWER

ABANDON EXISTING SS

REMOVE EXISTING INLET

REMOVE EXISTING SS

REMOVE EXISTING MANHOLE

MANHOLES 6X6-FT
INLET COVERS,
TYPE 2H
17.0
STA. 52+00.00, 20.50' RT
GRATE = 925.29
I.E. = 916.99 (42" N)
I.E. = 920.66 (18" E)
I.E. = 917.99 (30" SE)
I.E. = 917.32 (48" W)

950 940 930 920

257 L.F. - 12" SSPRC CL III @ -3.13%

46 L.F. - 42" SSPRC CL III @ 4.59%

26 L.F. - 12" SSPRC CL III @ 5.54%

15 L.F. - 12" SSPRC CL III @ -2.00%

26.0 MANHOLE 4-FT. DIA.
STA = 49+00.00 @ 5.50' RT
RIM = 934.91
I.E. = 929.62 (12" S)
I.E. = 929.62 (12" W)
I.E. = 929.62 (12" E)

MANHOLE 7-FT. DIA. - J
STA. 51+56.84, 5.50' RT
RIM = 926.34
I.E. = 919.09 (42" S)
I.E. = 921.59 (12" N)
I.E. = 919.09 (42" E)
25.0

MANHOLES 6X6-FT
INLET COVERS,
TYPE 2H
17.0
STA = 52+00.00 @ 20.50' RT
RIM = 925.29
I.E. = 916.99 (42" N)
I.E. = 920.66 (18" E)
I.E. = 917.99 (30" SE)
I.E. = 917.32 (48" W)

INLET 2 X 3-FT. - H
STA. 49+00.00, 20.50' LT
GRATE = 935.45
I.E. = 931.06 (12" W)
26.1

26.2 INLET 2X3-FT. - H
STA. 49+00.00, 20.50' RT
GRATE = 934.31
I.E. = 929.92 (12" E)

26.0 MANHOLE 4-FT. DIA.
STA = 49+00.00 @ 5.50' RT
RIM = 934.91
I.E. = 929.62 (12" S)
I.E. = 929.62 (12" W)
I.E. = 929.62 (12" E)

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 67	E

2

REMOVE MANHOLE

REMOVE EXISTING SS

REMOVE EXISTING INLET

REMOVE EXISTING INLET

REMOVE EXISTING SS

Existing 8" PVC SS

HERMAN ST

HIGHLAND AVE.

CTH S/SOUTH MAIN ST

INLET 2X3-FT. - H
STA. 55+75.00, 15.50' LT
GRATE = 930.22
I.E. = 925.63 (12" SW)
20.1

MANHOLE 5-FT. DIA - H
STA. 56+82.74, 18.45' LT
GRATE = 934.23
I.E. = 928.81 (18" SW)
I.E. = 928.81 (8" N)
I.E. = 929.75 (15" E)
21.1

INLET 2X3-FT. - H
STA. 58+07.15, 41.92' LT
GRATE = 940.52
I.E. = 935.05 (12" W)
22.1

REMOVE EXISTING INLET

PROPOSED WATER MAIN

ABANDON EXISTING SS

EXISTING R/W

TLE

PROPOSED WATER MAIN

MANHOLE 4-FT. DIA. - J
STA. 58+00.00, 5.50' RT
RIM = 937.78
I.E. = 931.83 (15" NW)
I.E. = 931.83 (15" S)
I.E. = 932.08 (12" E)
I.E. = 932.08 (12" SW)
22.0

INLET 2X3-FT. - H
STA. 58+10.00, 15.50' RT
GRATE = 937.58
I.E. = 932.47 (12" NW)
22.3

MANHOLE 4-FT. DIA. - J
STA. 56+80.00, 5.50' RT
RIM = 933.69
I.E. = 928.03 (24" NW)
I.E. = 928.78 (15" SE)
I.E. = 928.53 (18" NE)
21.0

INLET 2X3-FT. - H
STA. 58+00.00, 15.50' RT
GRATE = 937.27
I.E. = 932.28 (12" NE)
I.E. = 932.28 (12" SE)
22.2

INLET 2X3-FT. - H
STA. 55+75.00, 15.50' RT
GRATE = 930.37
I.E. = 925.78 (12" NE)
20.2

MANHOLE 4-FT. DIA. - J
STA. 55+75.00, 5.50' RT
RIM = 930.65
I.E. = 924.21 (24" NW)
I.E. = 924.21 (24" SE)
I.E. = 925.21 (12" SW)
I.E. = 925.21 (12" NE)
20.0

MANHOLE 4-FT. DIA. - J
STA. 59+00.00, 5.50' RT
RIM = 940.36
I.E. = 935.15 (15" N)
I.E. = 935.15 (15" S)
23.0

MANHOLE 4-FT. DIA. - J
STA. 54+50.00, 5.50' RT
RIM = 927.73
I.E. = 922.36 (24" NW)
I.E. = 922.36 (24" SE)
19.0

MANHOLE 4-FT. DIA. - J
STA. 59+90.00, 5.50' RT
RIM = 942.01
I.E. = 936.23 (15" N)
I.E. = 936.48 (12" E)
24.0

90 L.F. - 15" SSPRC CL III @ -1.20%

PROPOSED SANITARY SEWER

REMOVE EXISTING INLET

EXISTING R/W

EXISTING R/W

EXISTING R/W

TLE

54

55

56

57

58

59

60

MANHOLE 4-FT. DIA. - J
STA. 59+90.00, 5.50' RT
RIM = 942.01
I.E. = 936.23 (15" N)
I.E. = 936.48 (12" E)
24.0

MANHOLE 4-FT. DIA. - J
STA. 59+00.00, 5.50' RT
RIM = 940.36
I.E. = 935.15 (15" N)
I.E. = 935.15 (15" S)
23.0

MANHOLE 4-FT. DIA. - J
STA. 58+00.00, 5.50' RT
RIM = 937.78
I.E. = 931.83 (15" NW)
I.E. = 931.83 (15" S)
I.E. = 932.08 (12" E)
I.E. = 932.08 (12" SW)
22.0

MANHOLE 4-FT. DIA. - J
STA. 56+80.00, 5.50' RT
RIM = 933.69
I.E. = 928.03 (24" NW)
I.E. = 928.78 (15" SE)
I.E. = 928.53 (18" NE)
21.0

MANHOLE 4-FT. DIA. - J
STA. 55+75.00, 5.50' RT
RIM = 930.65
I.E. = 924.21 (24" NW)
I.E. = 924.21 (24" SE)
I.E. = 925.21 (12" SW)
I.E. = 925.21 (12" NE)
20.0

MANHOLE 4-FT. DIA. - J
STA. 54+50.00, 5.50' RT
RIM = 927.73
I.E. = 922.36 (24" NW)
I.E. = 922.36 (24" SE)
19.0

940

930

920

126 L.F. - 24" SSPRC CL III @ -1.47%

105 L.F. - 24" SSPRC CL III @ -3.64%

117 L.F. - 15" SSPRC CL III @ -2.61%

97 L.F. - 15" SSPRC CL III @ -3.41%

90 L.F. - 15" SSPRC CL III @ -1.20%

SANITARY

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 68	E

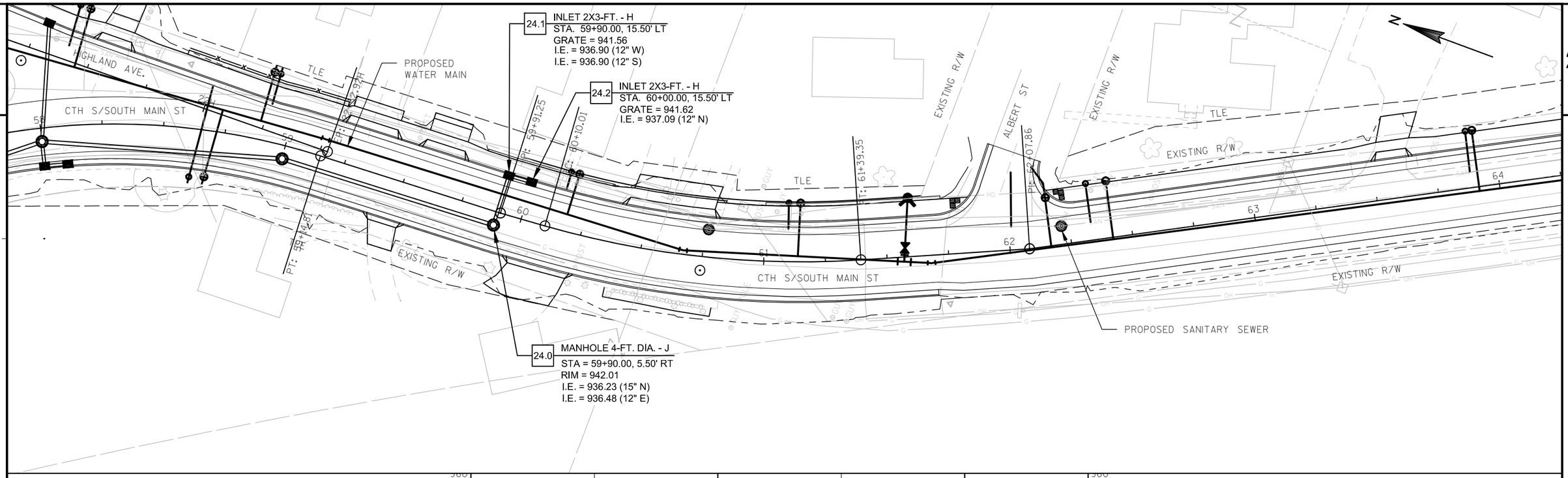
2

REMOVE EXISTING SS
REMOVE MANHOLE
Existing 8" PVC SS
INLET 2X3-FT. - H
STA. 55+75.00, 15.50' LT
GRATE = 930.22
I.E. = 925.63 (12" SW)
20.1
MANHOLE 5-FT. DIA - H
STA. 56+82.74, 18.45' LT
GRATE = 934.23
I.E. = 928.81 (18" SW)
I.E. = 928.81 (8" N)
I.E. = 929.75 (15" E)
21.1
HERMAN ST
REMOVE EXISTING INLET
REMOVE EXISTING INLET
REMOVE EXISTING SS
22.1
INLET 2X3-FT. - H
STA. 58+07.15, 41.92' LT
GRATE = 940.52
I.E. = 935.05 (12" W)
PROPOSED WATER MAIN
HIGHLAND AVE.
REMOVE EXISTING INLET
ABANDON EXISTING SS
PROPOSED WATER MAIN
EXISTING R/W
TLE
55+37.10
55+19.24
CTH S/SOUTH MAIN ST
MANHOLE 4-FT. DIA. - J
STA. 58+00.00, 5.50' RT
RIM = 937.78
I.E. = 931.83 (15" NW)
I.E. = 931.83 (15" S)
I.E. = 932.08 (12" E)
I.E. = 932.08 (12" SW)
22.0
INLET 2X3-FT. - H
STA. 58+10.00, 15.50' RT
GRATE = 937.58
I.E. = 932.47 (12" NW)
22.3
90 L.F. - 15" SSPRC CL III @ -1.20%
PT: 59+12.84
EXISTING R/W
REMOVE EXISTING SS
MANHOLE 4-FT. DIA. - J
STA. 55+75.00, 5.50' RT
RIM = 930.65
I.E. = 924.21 (24" NW)
I.E. = 924.21 (24" SE)
I.E. = 925.21 (12" SW)
I.E. = 925.21 (12" NE)
20.0
INLET 2X3-FT. - H
STA. 55+75.00, 15.50' RT
GRATE = 930.37
I.E. = 925.78 (12" NE)
20.2
MANHOLE 4-FT. DIA. - J
STA. 56+80.00, 5.50' RT
RIM = 933.69
I.E. = 928.03 (24" NW)
I.E. = 928.78 (15" SE)
I.E. = 928.53 (18" NE)
21.0
INLET 2X3-FT. - H
STA. 58+00.00, 15.50' RT
GRATE = 937.27
I.E. = 932.28 (12" NE)
I.E. = 932.28 (12" SE)
22.2
MANHOLE 4-FT. DIA. - J
STA. 59+00.00, 5.50' RT
RIM = 940.36
I.E. = 935.15 (15" N)
I.E. = 935.15 (15" S)
23.0
MANHOLE 4-FT. DIA. - J
STA. 54+50.00, 5.50' RT
RIM = 927.73
I.E. = 922.36 (24" NW)
I.E. = 922.36 (24" SE)
19.0
PROPOSED SANITARY SEWER
REMOVE EXISTING INLET
EXISTING R/W
MANHOLE 4-FT. DIA. - J
STA. 59+90.00, 5.50' RT
RIM = 942.01
I.E. = 936.23 (15" N)
I.E. = 936.48 (12" E)
24.0

MANHOLE 4-FT. DIA. - J
STA. 55+75.00, 5.50' RT
RIM = 930.65
I.E. = 924.21 (24" NW)
I.E. = 924.21 (24" SE)
I.E. = 925.21 (12" SW)
I.E. = 925.21 (12" NE)
20.0
INLET 2X3-FT. - H
STA. 55+75.00, 15.50' RT
GRATE = 930.37
I.E. = 925.78 (12" NE)
20.2
INLET 2X3-FT. - H
STA. 55+75.00, 15.50' LT
GRATE = 930.22
I.E. = 925.63 (12" SW)
20.1
21 L.F. - 12" SSPRC CL III @ 2.00%
10 L.F. - 12" SSPRC CL III @ -5.70%
WATER
SANITARY
MANHOLE 5-FT. DIA - H
STA. 56+82.74, 18.45' LT
GRATE = 934.23
I.E. = 928.81 (18" SW)
I.E. = 928.81 (8" N)
I.E. = 929.75 (15" E)
21.1
MANHOLE 4-FT. DIA. - J
STA. 56+80.00, 5.50' RT
RIM = 933.69
I.E. = 928.03 (24" NW)
I.E. = 928.78 (15" SE)
I.E. = 928.53 (18" NE)
21.0
WATER
SANITARY
24 L.F. - 18" SSPRC CL III @ -1.16%
MANHOLE 4-FT. DIA. - J
STA. 58+00.00, 5.50' RT
RIM = 937.78
I.E. = 931.83 (15" NW)
I.E. = 931.83 (15" S)
I.E. = 932.08 (12" E)
I.E. = 932.08 (12" SW)
22.0
INLET 2X3-FT. - H
STA. 58+07.15, 41.92' LT
GRATE = 940.52
I.E. = 935.05 (12" W)
22.1
INLET 2X3-FT. - H
STA. 58+00.00, 15.50' RT
GRATE = 937.27
I.E. = 932.28 (12" NE)
I.E. = 932.28 (12" SE)
22.2
INLET 2X3-FT. - H
STA. 58+10.00, 15.50' RT
GRATE = 937.58
I.E. = 932.47 (12" NW)
22.3
48 L.F. - 12" SSPRC CL III @ 6.18%
9 L.F. - 12" SSPRC CL III @ -2.00%
10 L.F. - 12" SSPRC CL III @ -2.00%
WATER
SANITARY

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 69	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\STORM SEWER\STORM SEWER MAIN 2.DWG PLOT DATE : 10/24/2016 9:35 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1:40_XREF
WISDOT/CADDS SHEET 41

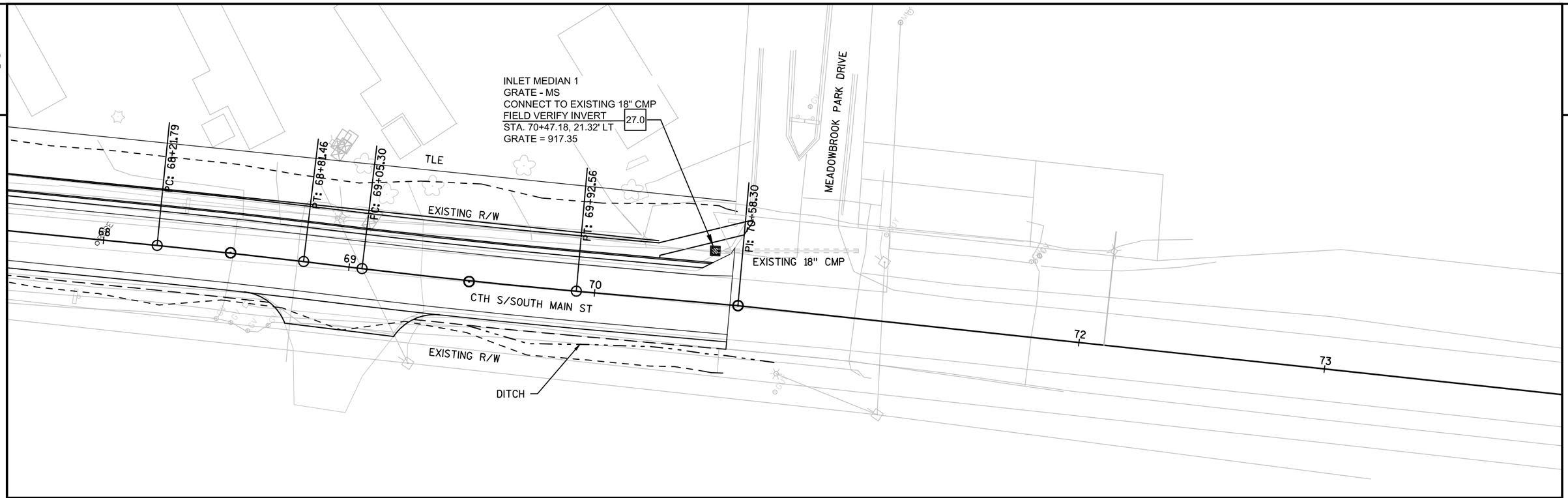


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 70	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\STORM SEWER\STORM SEWER MAIN 3.DWG PLOT DATE : 10/24/2016 9:38 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1"= 40'_XREF

WISDOT/CADDS SHEET 41

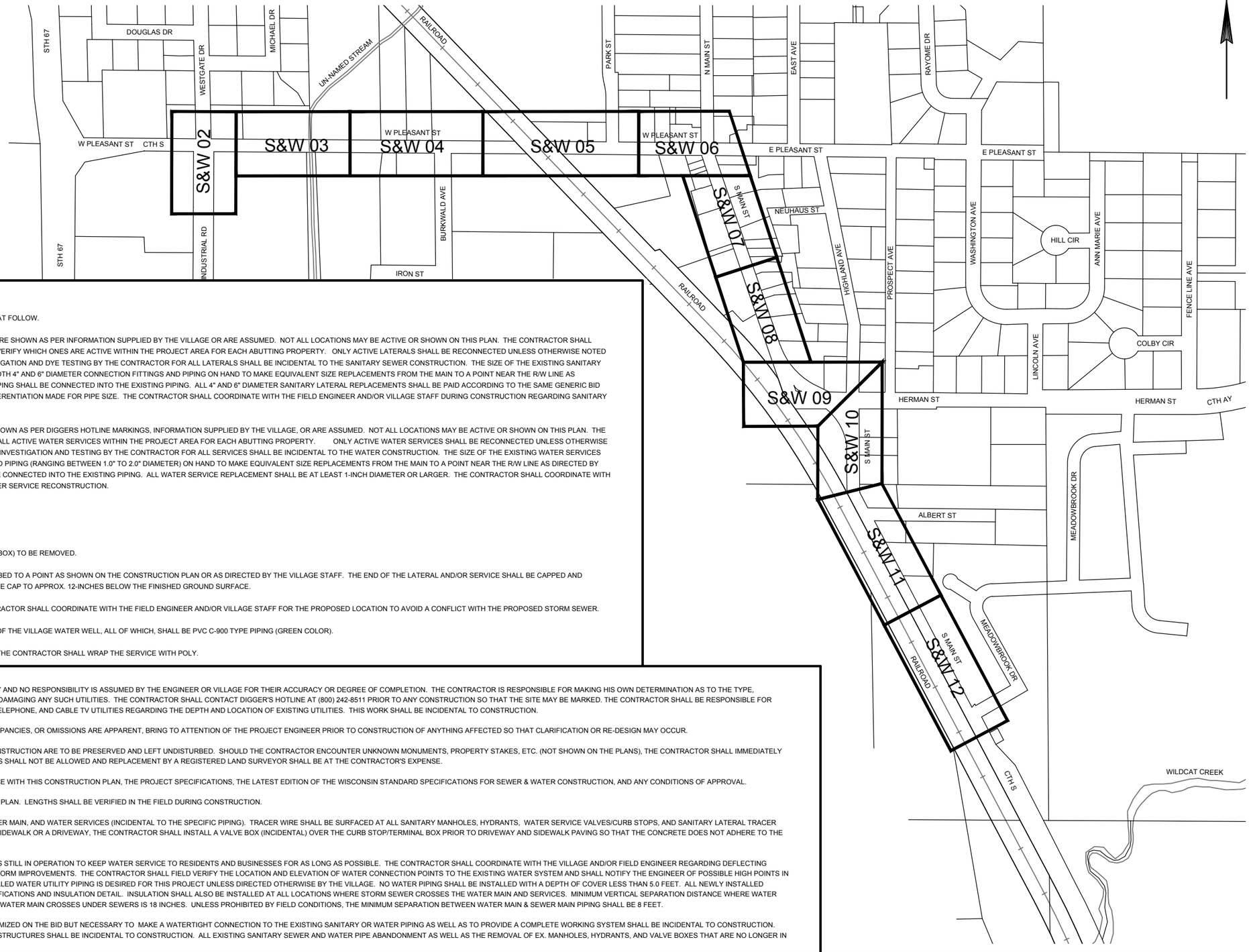
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	STORM SEWER	SHEET 71	E

PROJECT OVERVIEW (SANITARY & WATER)



S&W "XX" — DENOTES SANITARY & WATER SHEET NUMBER "X"

GENERAL SANITARY AND WATER KEY NOTES:

GENERAL: THESE NOTES ARE KEYED TO MATCH CIRCLED NUMBERS ON THE SHEETS THAT FOLLOW.

① SYMBOL DENOTES POSSIBLE SANITARY LATERAL. THE SANITARY LATERAL LOCATIONS ARE SHOWN AS PER INFORMATION SUPPLIED BY THE VILLAGE OR ARE ASSUMED. NOT ALL LOCATIONS MAY BE ACTIVE OR SHOWN ON THIS PLAN. THE CONTRACTOR SHALL CAREFULLY EXCAVATE/EXPOSE THE EXISTING PIPING AND DYE TEST THE LATERALS TO VERIFY WHICH ONES ARE ACTIVE WITHIN THE PROJECT AREA FOR EACH ABUTTING PROPERTY. ONLY ACTIVE LATERALS SHALL BE RECONNECTED UNLESS OTHERWISE NOTED ON THE PLAN OR AS DIRECTED BY THE VILLAGE STAFF DURING CONSTRUCTION. INVESTIGATION AND DYE TESTING BY THE CONTRACTOR FOR ALL LATERALS SHALL BE INCIDENTAL TO THE SANITARY SEWER CONSTRUCTION. THE SIZE OF THE EXISTING SANITARY LATERALS ARE UNKNOWN. THE CONTRACTOR SHALL HAVE A SUFFICIENT AMOUNT OF BOTH 4" AND 6" DIAMETER CONNECTION FITTINGS AND PIPING ON HAND TO MAKE EQUIVALENT SIZE REPLACEMENTS FROM THE MAIN TO A POINT NEAR THE R/W LINE AS DIRECTED BY THE FIELD ENGINEER AND/OR VILLAGE STAFF. AT THIS POINT, THE NEW PIPING SHALL BE CONNECTED INTO THE EXISTING PIPING. ALL 4" AND 6" DIAMETER SANITARY LATERAL REPLACEMENTS SHALL BE PAID ACCORDING TO THE SAME GENERIC BID ITEM FOR SANITARY WYE FITTING AND SANITARY LATERAL REPLACEMENT WITH NO DIFFERENTIATION MADE FOR PIPE SIZE. THE CONTRACTOR SHALL COORDINATE WITH THE FIELD ENGINEER AND/OR VILLAGE STAFF DURING CONSTRUCTION REGARDING SANITARY LATERAL RECONSTRUCTION.

② SYMBOL DENOTES POSSIBLE WATER SERVICE. THE WATER SERVICE LOCATIONS ARE SHOWN AS PER DIGGERS HOTLINE MARKINGS, INFORMATION SUPPLIED BY THE VILLAGE, OR ARE ASSUMED. NOT ALL LOCATIONS MAY BE ACTIVE OR SHOWN ON THIS PLAN. THE CONTRACTOR SHALL CAREFULLY EXCAVATE/EXPOSE THE EXISTING PIPING AND VERIFY ALL ACTIVE WATER SERVICES WITHIN THE PROJECT AREA FOR EACH ABUTTING PROPERTY. ONLY ACTIVE WATER SERVICES SHALL BE RECONNECTED UNLESS OTHERWISE NOTED ON THE PLAN OR AS DIRECTED BY THE VILLAGE STAFF DURING CONSTRUCTION. INVESTIGATION AND TESTING BY THE CONTRACTOR FOR ALL SERVICES SHALL BE INCIDENTAL TO THE WATER CONSTRUCTION. THE SIZE OF THE EXISTING WATER SERVICES ARE UNKNOWN. THE CONTRACTOR SHALL HAVE A SUFFICIENT AMOUNT OF FITTINGS AND PIPING (RANGING BETWEEN 1.0" TO 2.0" DIAMETER) ON HAND TO MAKE EQUIVALENT SIZE REPLACEMENTS FROM THE MAIN TO A POINT NEAR THE R/W LINE AS DIRECTED BY THE FIELD ENGINEER AND/OR VILLAGE STAFF. AT THIS POINT, THE NEW PIPING SHALL BE CONNECTED INTO THE EXISTING PIPING. ALL WATER SERVICE REPLACEMENT SHALL BE AT LEAST 1-INCH DIAMETER OR LARGER. THE CONTRACTOR SHALL COORDINATE WITH THE FIELD ENGINEER AND/OR VILLAGE STAFF DURING CONSTRUCTION REGARDING WATER SERVICE RECONSTRUCTION.

③ SYMBOL DENOTES EXISTING SANITARY MANHOLE TO BE REMOVED.

④ SYMBOL DENOTES EXISTING WATER VALVE BOX TO BE REMOVED.

⑤ SYMBOL DENOTES EXISTING WATER HYDRANT ASSEMBLY (HYDRANT & HYDRANT VALVE BOX) TO BE REMOVED.

⑥ SYMBOL DENOTES PROPOSED SANITARY LATERAL AND/OR WATER SERVICE TO BE STUBBED TO A POINT AS SHOWN ON THE CONSTRUCTION PLAN OR AS DIRECTED BY THE VILLAGE STAFF. THE END OF THE LATERAL AND/OR SERVICE SHALL BE CAPPED AND MARKED WITH A 2x4 (PAINTED GREEN OR BLUE, RESPECTIVELY) THAT EXTENDS FROM THE CAP TO APPROX. 12-INCHES BELOW THE FINISHED GROUND SURFACE.

⑦ SYMBOL DENOTES POSSIBLE SANITARY LATERAL OR WATER SERVICE WHICH THE CONTRACTOR SHALL COORDINATE WITH THE FIELD ENGINEER AND/OR VILLAGE STAFF FOR THE PROPOSED LOCATION TO AVOID A CONFLICT WITH THE PROPOSED STORM SEWER.

⑧ SYMBOL DENOTES PROPOSED SANITARY SEWER MAIN AND LATERALS WITHIN 200-FEET OF THE VILLAGE WATER WELL, ALL OF WHICH, SHALL BE PVC C-900 TYPE PIPING (GREEN COLOR).

⑨ SYMBOL DENOTES POSSIBLE WATER SERVICE LOCATED IN CONTAMINATED SOIL AREA. THE CONTRACTOR SHALL WRAP THE SERVICE WITH POLY.

GENERAL SANITARY AND WATER CONSTRUCTION NOTES:

1. ALL EXISTING UTILITIES WITHIN THIS PLAN ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND NO RESPONSIBILITY IS ASSUMED BY THE ENGINEER OR VILLAGE FOR THEIR ACCURACY OR DEGREE OF COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE, LOCATION, AND ELEVATION OF ALL UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGING ANY SUCH UTILITIES. THE CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE AT (800) 242-8511 PRIOR TO ANY CONSTRUCTION SO THAT THE SITE MAY BE MARKED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ANY UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH GAS, ELECTRIC, TELEPHONE, AND CABLE TV UTILITIES REGARDING THE DEPTH AND LOCATION OF EXISTING UTILITIES. THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION.

2. VERIFY ALL DIMENSIONS, LOCATIONS AND ELEVATIONS IN THE FIELD. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS ARE APPARENT, BRING TO ATTENTION OF THE PROJECT ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR RE-DESIGN MAY OCCUR.

3. EXISTING KNOWN SURVEY MONUMENTS (SHOWN ON THE PLANS) ENCOUNTERED DURING CONSTRUCTION ARE TO BE PRESERVED AND LEFT UNDISTURBED. SHOULD THE CONTRACTOR ENCOUNTER UNKNOWN MONUMENTS, PROPERTY STAKES, ETC. (NOT SHOWN ON THE PLANS), THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO ANY DISTURBANCE. FAILURE TO PRESERVE SUCH MONUMENTS SHALL NOT BE ALLOWED AND REPLACEMENT BY A REGISTERED LAND SURVEYOR SHALL BE AT THE CONTRACTOR'S EXPENSE.

4. 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.

5. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.

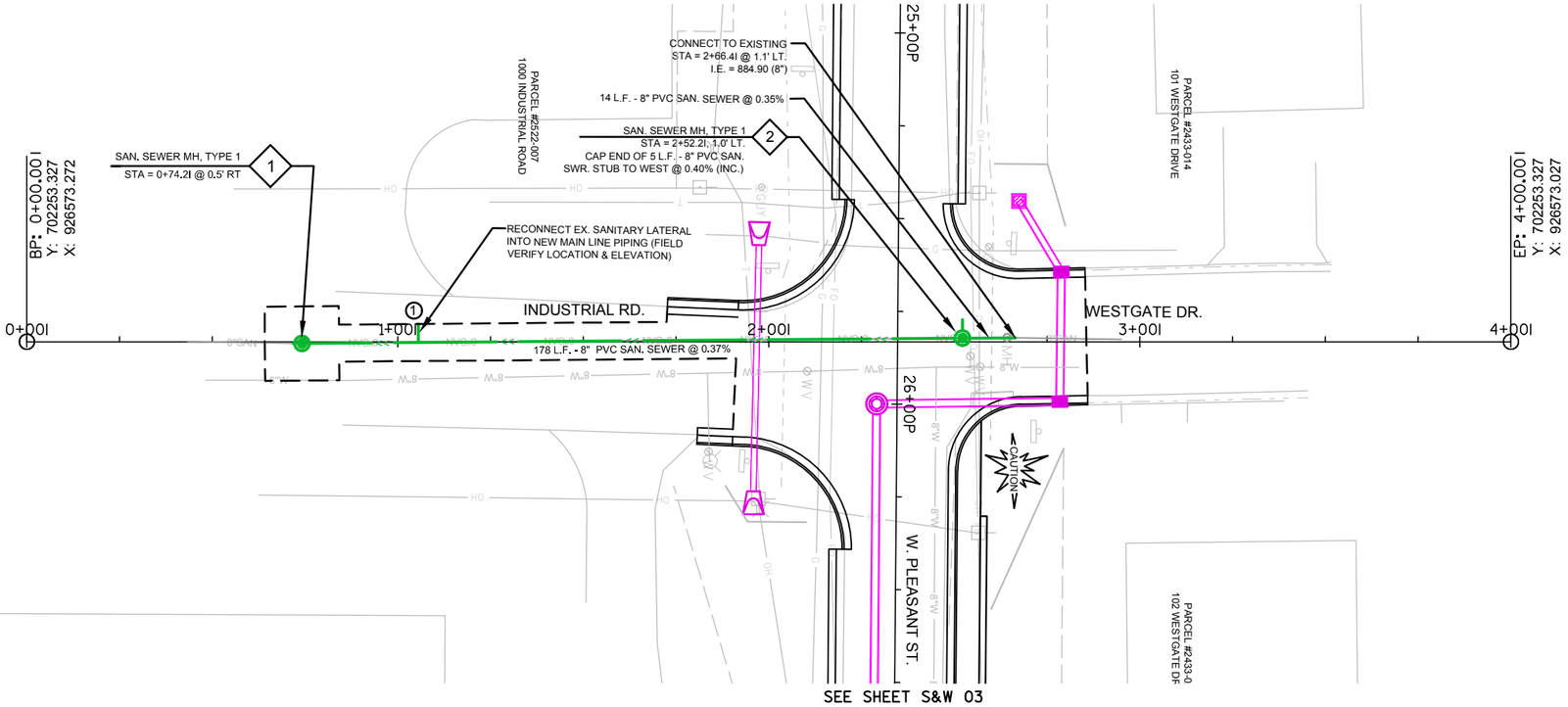
6. TRACER WIRE SHALL BE INSTALLED ALONG ALL SANITARY SEWER, SANITARY LATERALS, WATER MAIN, AND WATER SERVICES (INCIDENTAL TO THE SPECIFIC PIPING). TRACER WIRE SHALL BE SURFACED AT ALL SANITARY MANHOLES, HYDRANTS, WATER SERVICE VALVES/CURB STOPS, AND SANITARY LATERAL TRACER WIRE TERMINAL BOXES. IF THE CURB STOP OR TERMINAL BOX IS LOCATED WITHIN PROPOSED SIDEWALK OR A DRIVEWAY, THE CONTRACTOR SHALL INSTALL A VALVE BOX (INCIDENTAL) OVER THE CURB STOP/TERMINAL BOX PRIOR TO DRIVEWAY AND SIDEWALK PAVING SO THAT THE CONCRETE DOES NOT ADHERE TO THE CURB STOP OR TERMINAL BOX (INCIDENTAL TO CONSTRUCTION).

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 VILLAGE 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. A 7.0 FEET DEPTH OF COVER OVER ALL NEWLY INSTALLED WATER UTILITY PIPING IS DESIRED FOR THIS PROJECT UNLESS DIRECTED OTHERWISE BY THE VILLAGE. NO WATER PIPING SHALL BE INSTALLED WITH A DEPTH OF COVER LESS THAN 5.0 FEET. ALL NEWLY INSTALLED WATER MAIN WITH COVER LESS THAN 7.0 FEET SHALL BE INSULATED ACCORDING TO THE SPECIFICATIONS AND INSULATION DETAIL. INSULATION SHALL ALSO BE INSTALLED AT ALL LOCATIONS WHERE STORM SEWER CROSSES THE WATER MAIN AND SERVICES. MINIMUM VERTICAL SEPARATION DISTANCE WHERE WATER MAIN CROSSES OVER SEWERS IS 6 INCHES. MINIMUM VERTICAL SEPARATION DISTANCE WHERE WATER MAIN CROSSES UNDER SEWERS IS 18 INCHES. UNLESS PROHIBITED BY FIELD CONDITIONS, THE MINIMUM SEPARATION BETWEEN WATER MAIN & SEWER MAIN PIPING SHALL BE 8 FEET.

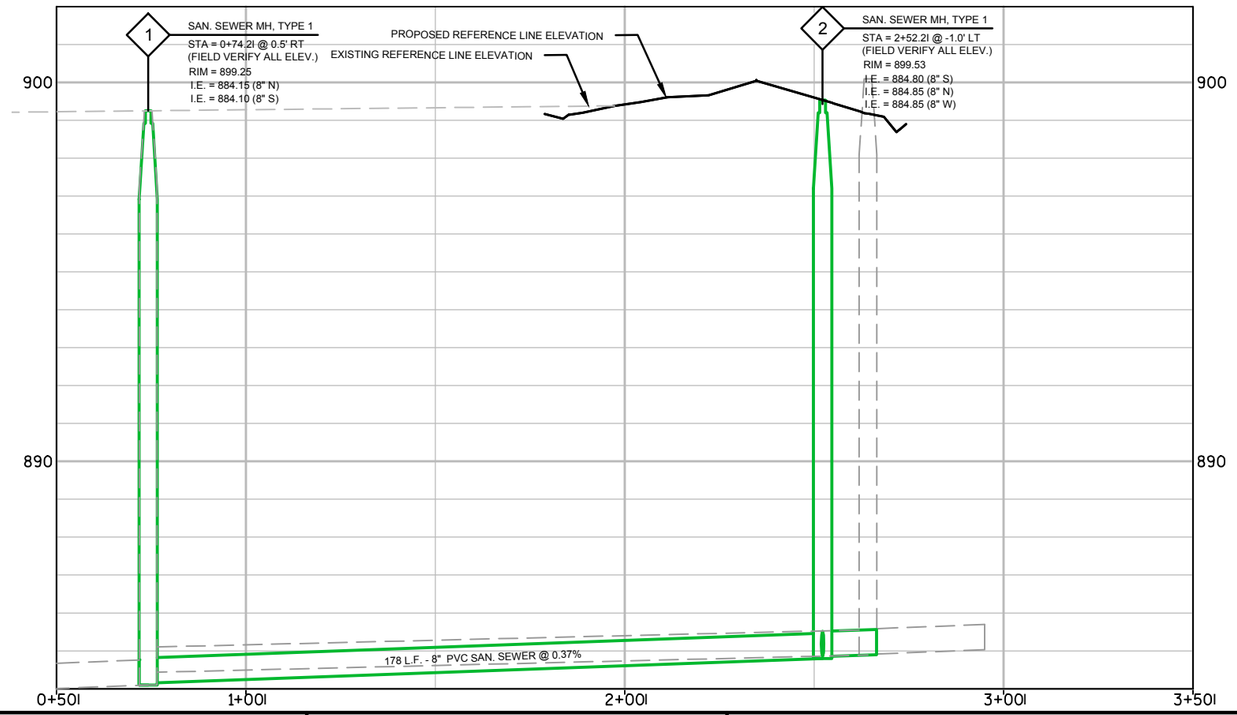
8. ALL BENDS, FERNCO CONNECTORS, FITTINGS, AND OTHER MATERIALS NOT SPECIFICALLY ITEMIZED ON THE BID BUT NECESSARY TO MAKE A WATERTIGHT CONNECTION TO THE EXISTING SANITARY OR WATER PIPING AS WELL AS TO PROVIDE A COMPLETE WORKING SYSTEM SHALL BE INCIDENTAL TO CONSTRUCTION. ALL PROPOSED SANITARY SEWER AND WATER PIPING CONNECTIONS INTO EXISTING PIPING OR STRUCTURES SHALL BE INCIDENTAL TO CONSTRUCTION. ALL EXISTING SANITARY SEWER AND WATER PIPE ABANDONMENT AS WELL AS THE REMOVAL OF EX. MANHOLES, HYDRANTS, AND VALVE BOXES THAT ARE NO LONGER IN USE SHALL BE INCIDENTAL TO CONSTRUCTION.

PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	PROJECT OVERVIEW SANITARY SEWER & WATER S&W 01	SHEET: E

FILE NAME : P:\230S\231\00231013\CADD\DESIGN\ALIPROFS\ALIPROFS-CTHS-SAN&WATER DETAILS.DWG PLOT DATE : 1/5/2017 12:58 PM PLOT BY : JML PLOT NAME : PLOT SCALE : 1 IN:400 FT.



SEE SHEET S&W 03



PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: SANITARY & WATER S&W 02	SHEET: 73 E

FILE NAME : P:\230S\231\00231013\CADD\DESIGN\ALIPROFS\ALIPROFS - CTHS-SAN&WATER.DWG PLOT DATE : 1/5/2017 1:12 PM PLOT BY : JML PLOT NAME : PLOT SCALE : 1 INCH = 40 FEET

PARCEL #2433-014
101 WESTGATE DRIVE

PARCEL #2433-021
102 WESTGATE DRIVE

PARCEL #2433-025 THRU 032
225-239 W. PLEASANT STREET

WESTGATE DR.
3+00I

CAUTION

INSTALL FOUR 8"x45° BENDS & 50 L.F. - 8" PVC W.M. TO REPLACE EX. W.M. BENEATH THE PROP. BOX CULVERT. COORDINATE INSTALLATION OF W.M. AFTER REMOVAL OF EX. CULVERT & PRIOR TO INSTALLATION OF NEW BOX CULVERT. FIELD VERIFY LOCATION AND ELEVATIONS - FINAL ELEVATIONS TO BE DETERMINED IN FIELD BY THE FIELD ENGINEER.

25+00P | 26+00P | W. PLEASANT ST. | 27+00P | 28+00P | 29+00P | W. PLEASANT ST. | 30+00P | 31+00P

MATCHLINE STA. 31+00
SEE SHEET S&W 04

2

CONNECT TO EXISTING
STA = 2+66.41 @ 1.1' LT.
I.E. = 884.90 (8")

14 L.F. - 8" PVC SAN. SEWER @ 0.35%

SAN. SEWER MH, TYPE 1
STA = 2+52.2I @ 1.0' LT.
CAP END OF 51 L.F. - 8" PVC SAN. SWR. STUB TO WEST @ 0.40% (INC.)

RECONNECT EX. SANITARY LATERAL INTO NEW MAIN LINE PIPING (FIELD VERIFY LOCATION & ELEVATION)

INDUSTRIAL RD.
2+00I

178 L.F. - 8" PVC SAN. SEWER @ 0.37%

PARCEL #2522-007
1000 INDUSTRIAL ROAD

PARCEL #2522-002
1025 INDUSTRIAL ROAD

PARCEL #2522-001
VILLAGE OF IRON RIDGE

SEE SHEET S&W 02

2

SAN. SEWER MH, TYPE 1
STA = 2+52.2I @ -1.0' LT
(FIELD VERIFY ALL ELEV.)
RIM = 899.53
I.E. = 884.80 (8" S)
I.E. = 884.85 (8" N)
I.E. = 884.85 (8" W)

EXISTING REFERENCE LINE ELEVATION

PROPOSED REFERENCE LINE ELEVATION

900
890

25+00P | 26+00P | 27+00P | 28+00P | 29+00P | 30+00P | 31+00P

PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: SANITARY & WATER S&W 03	SHEET: 74 E

FILE NAME : P:\230S\231\00231013\CADD\DESIGN\ALIPROFS\ALIPROFS - CTHS-SAN&WATER.DWG | PLOT DATE : 1/5/2017 1:12 PM | PLOT BY : JML | PLOT NAME : | PLOT SCALE : 1 INCH = 40 FEET

PARCEL #2433-022
221 W. PLEASANT STREET

PARCEL #2434-024
217 W. PLEASANT STREET

PARCEL #2434-025
215 W. PLEASANT STREET

PARCEL #2434-026
211 W. PLEASANT STREET

68 L.F. - 8" PVC W.M. @ -1.46%

HYDRANT ASSEMBLY #1
(HYDRANT, 6" GATE VALVE
W/ BOX, & 19 LF 6" W.M.)
HYD. STA. 32+40.4P @ 24.6' LT.

3 Manhole - Existing
STA = 32+90.3P @ 20.8' LT
REPLACE CHIMNEY SEAL &
CASTING. ADJUST MH TO MATCH
PROP. FINISH SURFACE ELEVATION.

CAUTION

12" TEE
STA = 33+08.9P @ 6.1' LT
INSTALL TWO 12"x8" REDUCERS
AND TWO 8" GATE VALVES W/
BOX (TO EAST & WEST OF TEE)

EX. 8" SANITARY SEWER PIPING
TO REMAIN UNDISTURBED (TYP.)

HYDRANT ASSEMBLY #2
(HYDRANT, 6" GATE VALVE
W/ BOX, & 20 LF 6" W.M.)
HYD. STA. 36+55.0P @ 25.2' LT.

4 Manhole - Existing
STA = 36+42.7P @ 20.8' LT
REPLACE CHIMNEY SEAL &
CASTING. ADJUST MH TO MATCH
PROP. FINISH SURFACE ELEVATION.

CAUTION

NEW 2" DIA. WATER SERVICE. CONNECT INTO EX.
SERVICE NEAR R/W (FIELD VERIFY SIZE).

PI: 31+80.52

8" X 6" TEE
STA = 32+40.4P @ 6.1' LT

MATCHLINE STA. 31+00
SEE SHEET S&W 03

MATCHLINE STA. 37+00
SEE SHEET S&W 05

N

W. PLEASANT ST.

00P 32+00P 33+00P 34+00P 35+00P 36+00P 37+

346 L.F. - 8" PVC W.M. @ -0.72%

CONNECT INTO EX. 8" W.M.
WITH TWO 8"x45° BENDS
12 LF - 8" PVC W.M.
(FIELD VERIFY LOCATION & ELEVATION)

EX. 8" SANITARY SEWER PIPING
TO REMAIN UNDISTURBED (TYP.)

REPLACE /RELOCATE EX. WATER SERVICE TO CONNECT IT
INTO THE WATER MAIN ON THE NORTH SIDE OF THE EX. 12"
TEE (FIELD VERIFY SIZE, TYPE, LOCATION & ELEVATIONS).

CONNECT INTO EX. 12" TEE WITH
PROP. 40 LF 12" PVC W.M.
(FIELD VERIFY LOCATION & ELEVATION)

8" X 6" TEE
STA = 36+55.0P @ 5.7' LT

8" GATE VALVE W/ BOX
STA. 36+75.0P @ 5.7' LT.

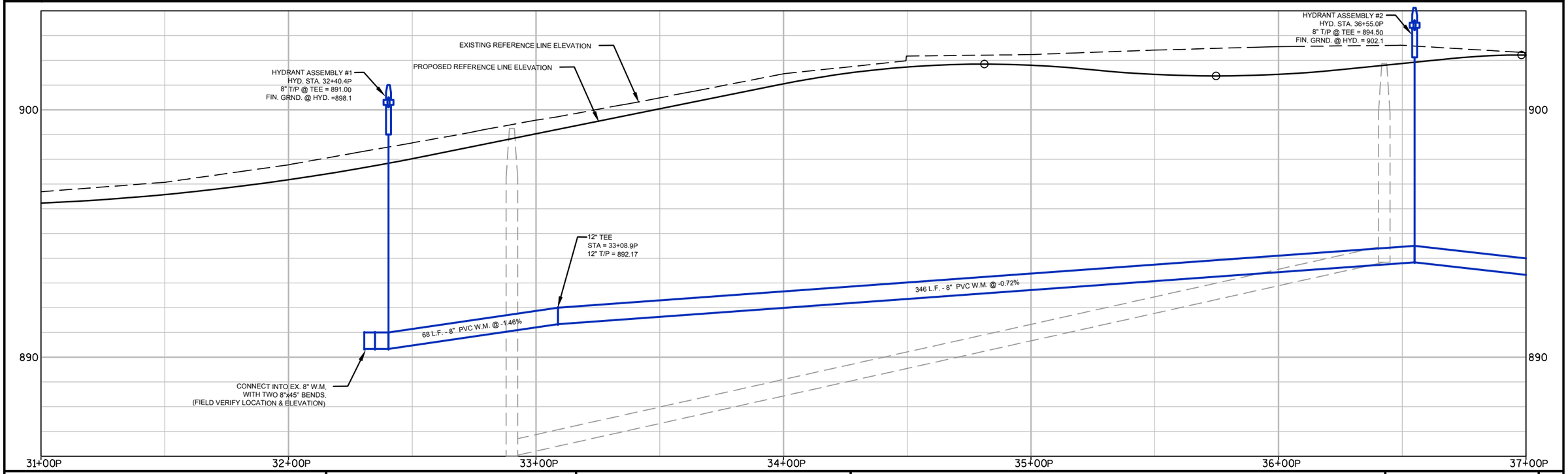
PARCEL #2522-000
222 W. PLEASANT STREET

PARCEL #2521-012
220 W. PLEASANT STREET
VILLAGE OF IRON RIDGE

PARCEL #2521-017
216 W. PLEASANT STREET

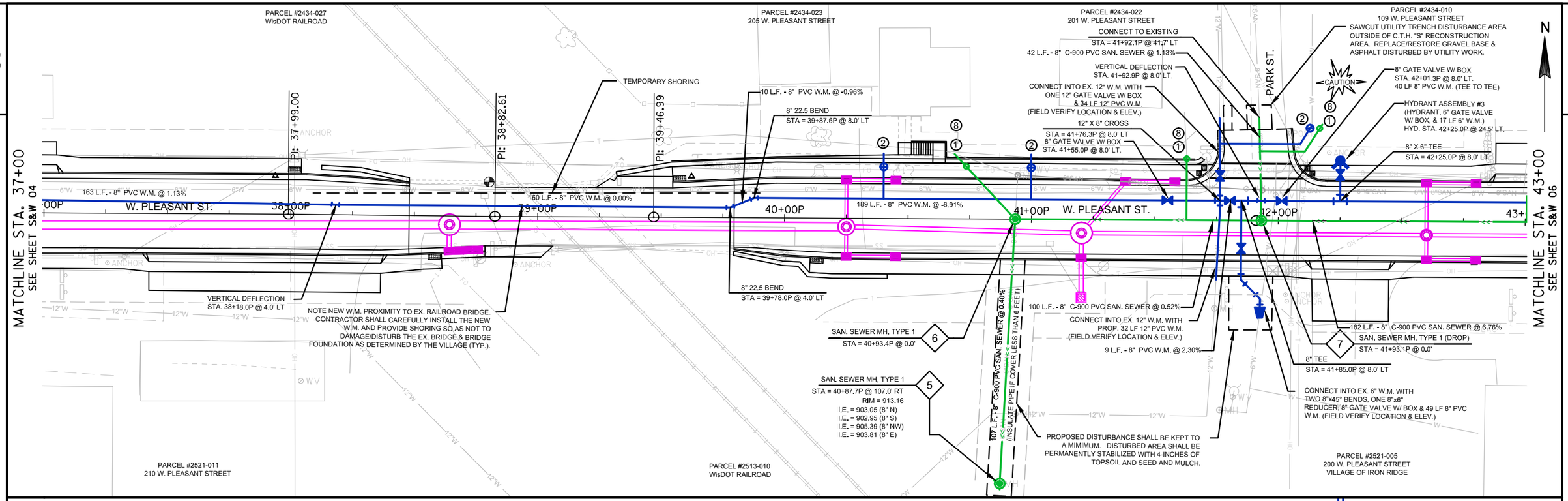
BURKWALD AVE.

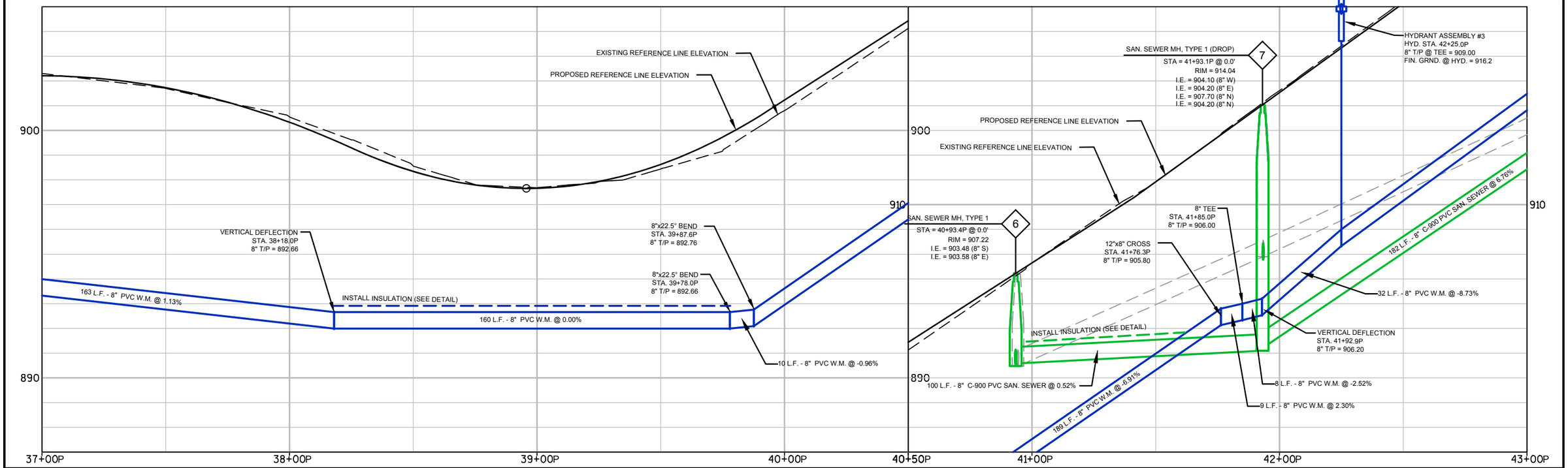
PARCEL #2521-011
210 W. PLEASANT STREET



PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: SANITARY & WATER S&W 04	SHEET: 75	E

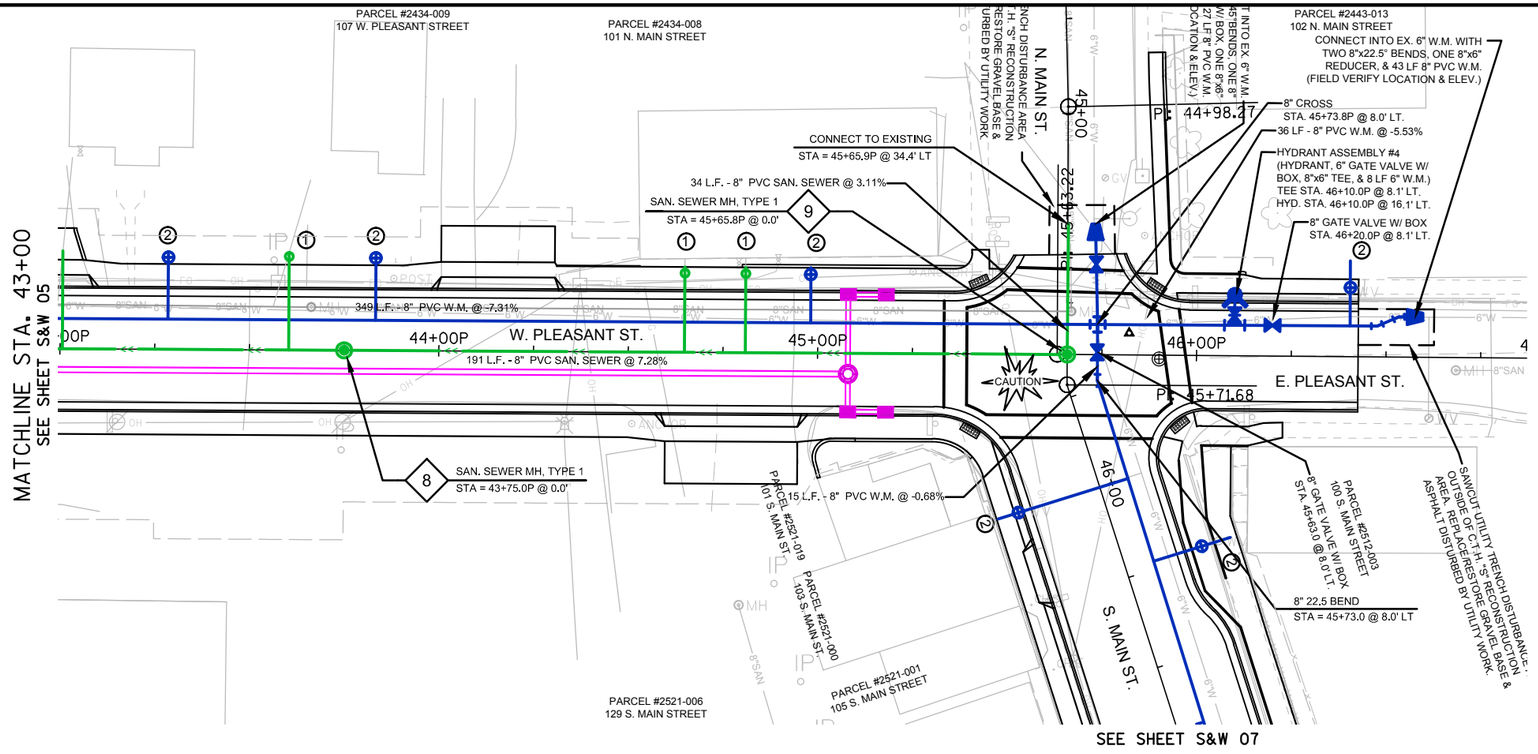
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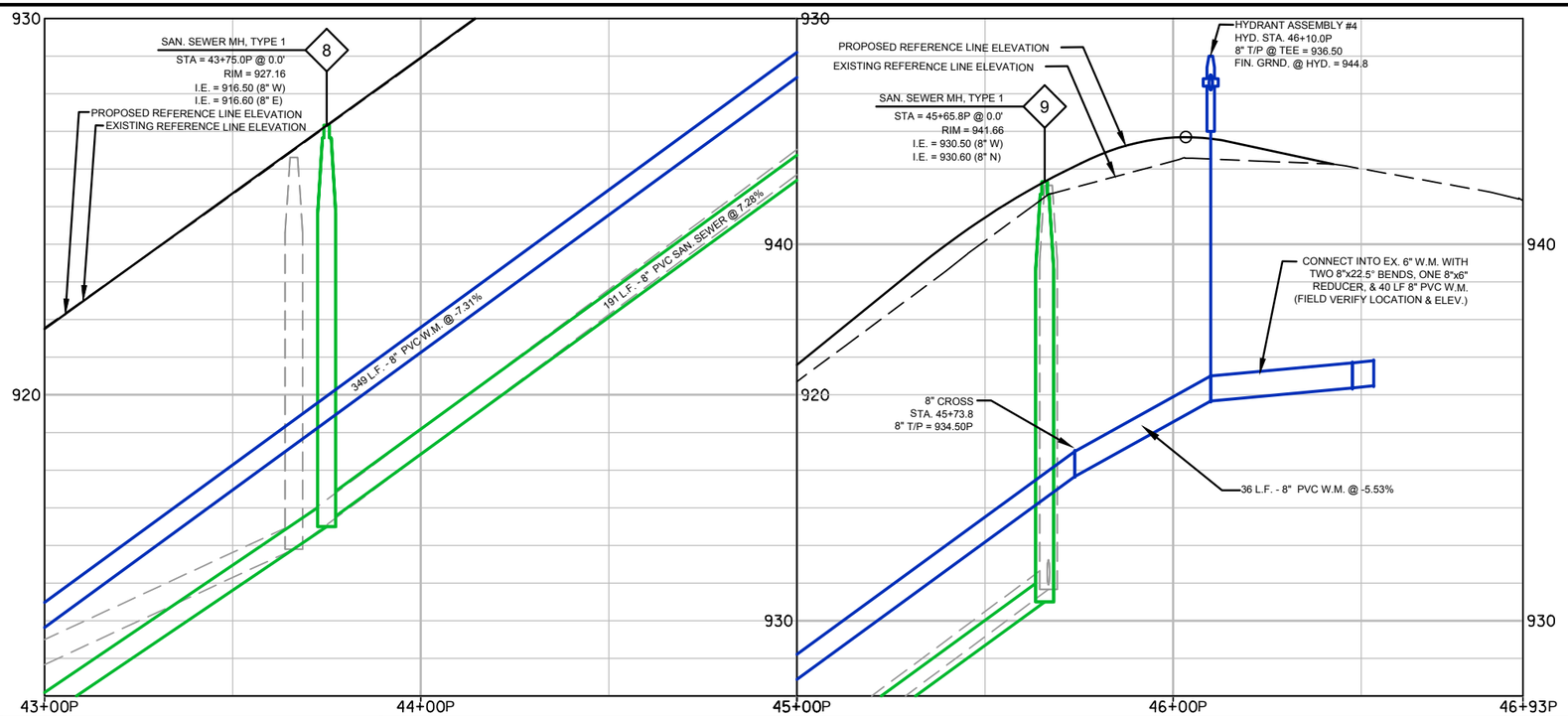




PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: SANITARY & WATER S&W 05	SHEET: 76	E

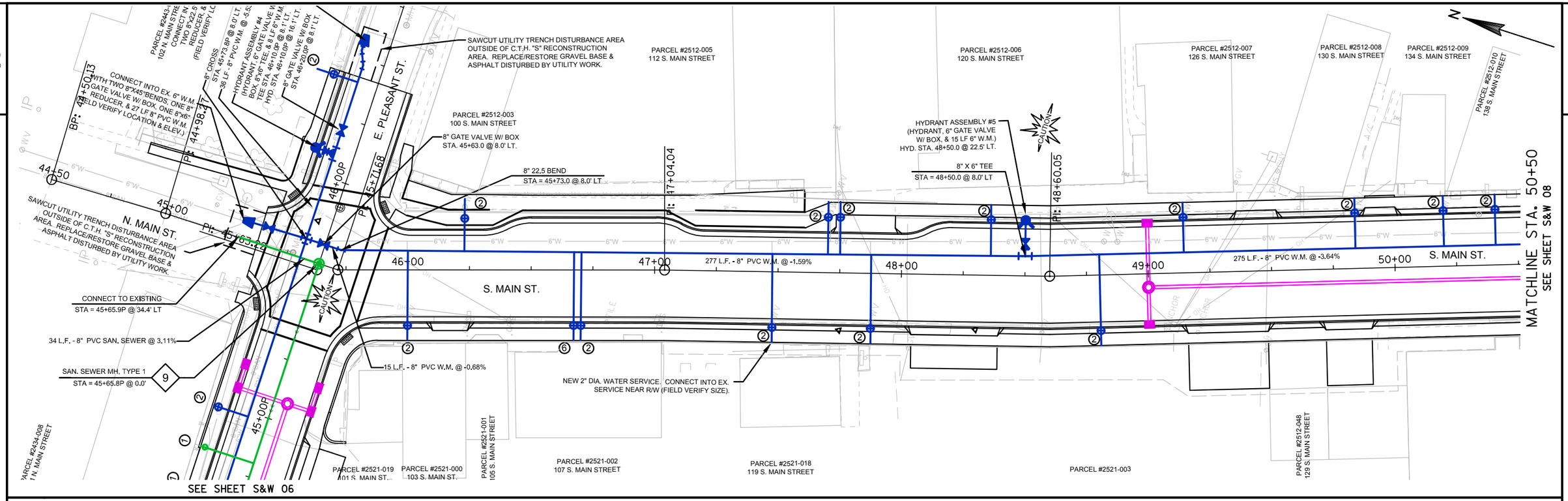
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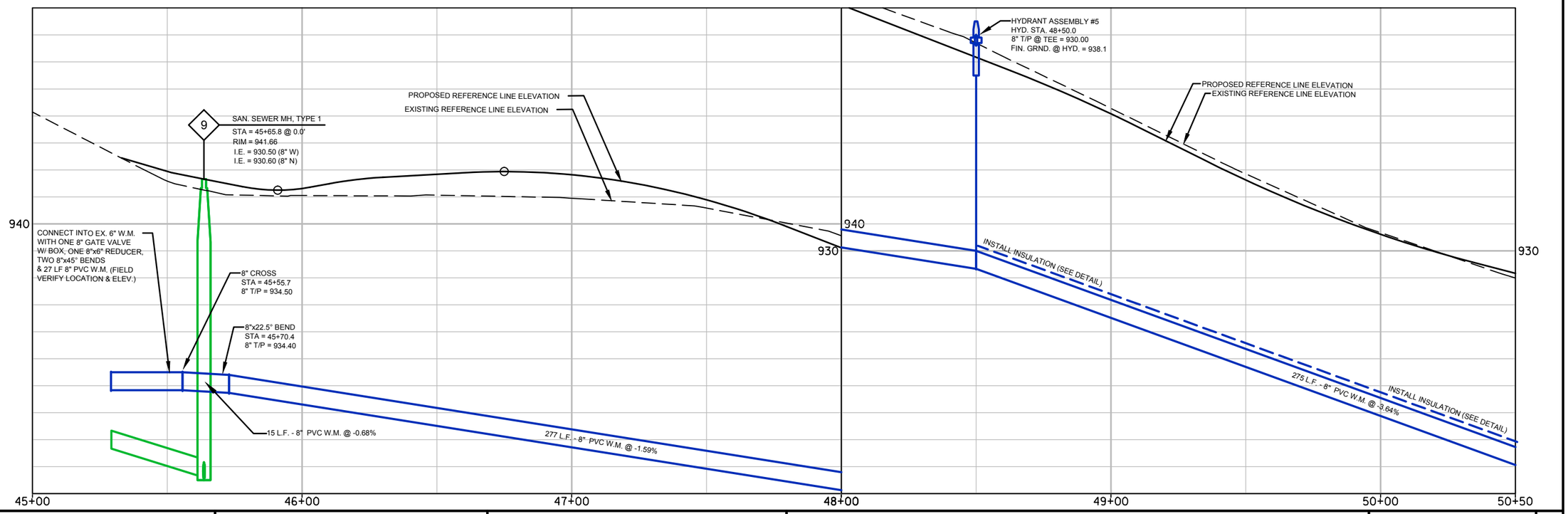




PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: SANITARY & WATER S&W 06	SHEET: 77 E

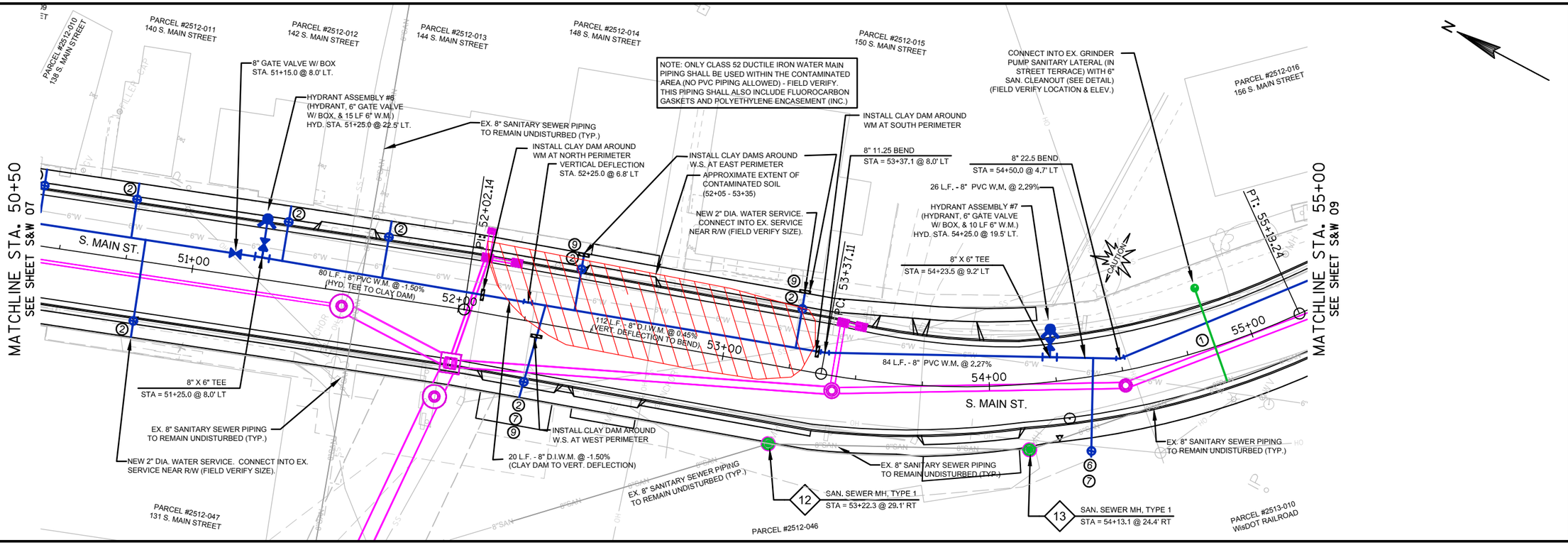
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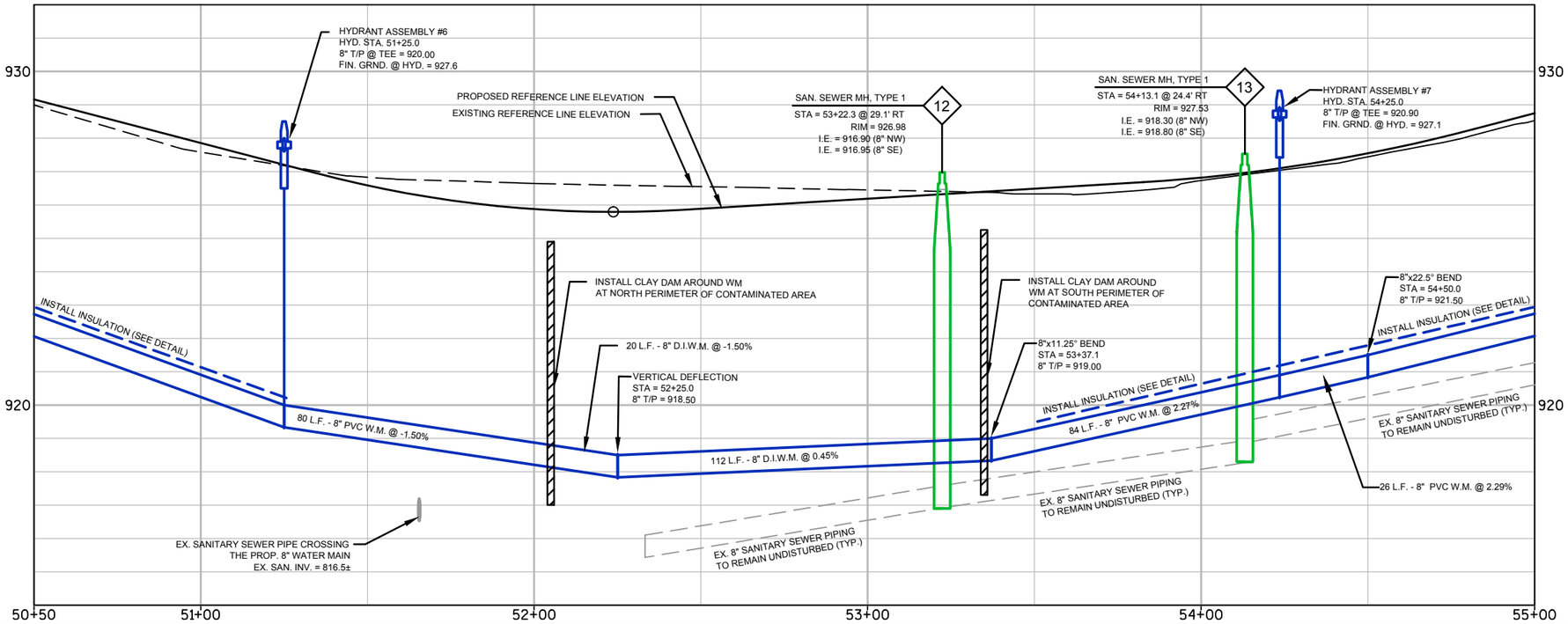




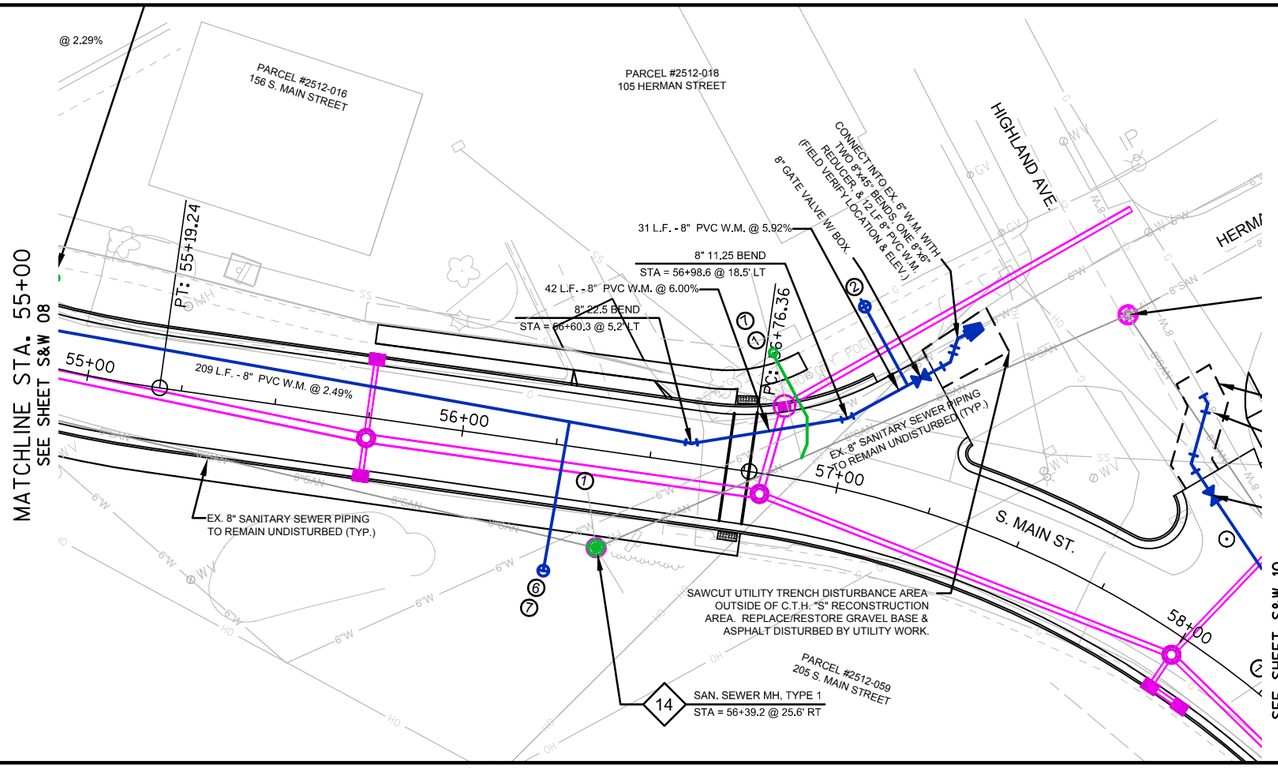
PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: SANITARY & WATER S&W 07	SHEET: 78	E

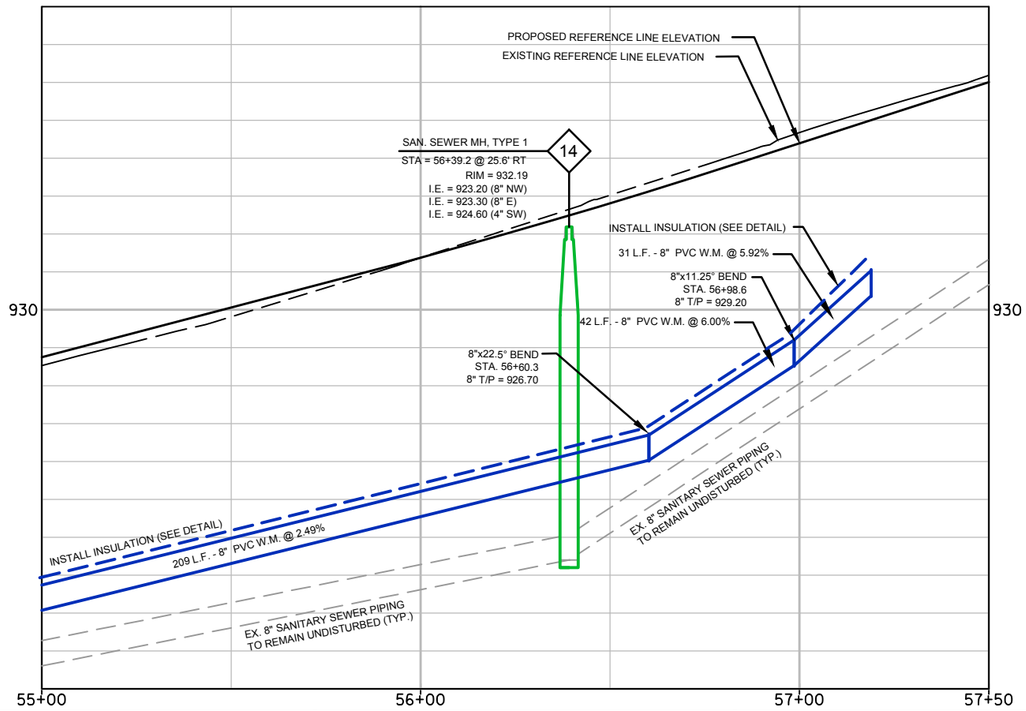
FILE NAME : P:\230S\231\00231013\CADD\DESIGN\ALIPROFS\ALIPROFS - CTHS-SAN&WATER.DWG PLOT DATE : 1/5/2017 1:12 PM PLOT BY : JML PLOT NAME : PLOT SCALE : 1 INCH = 40 FEET





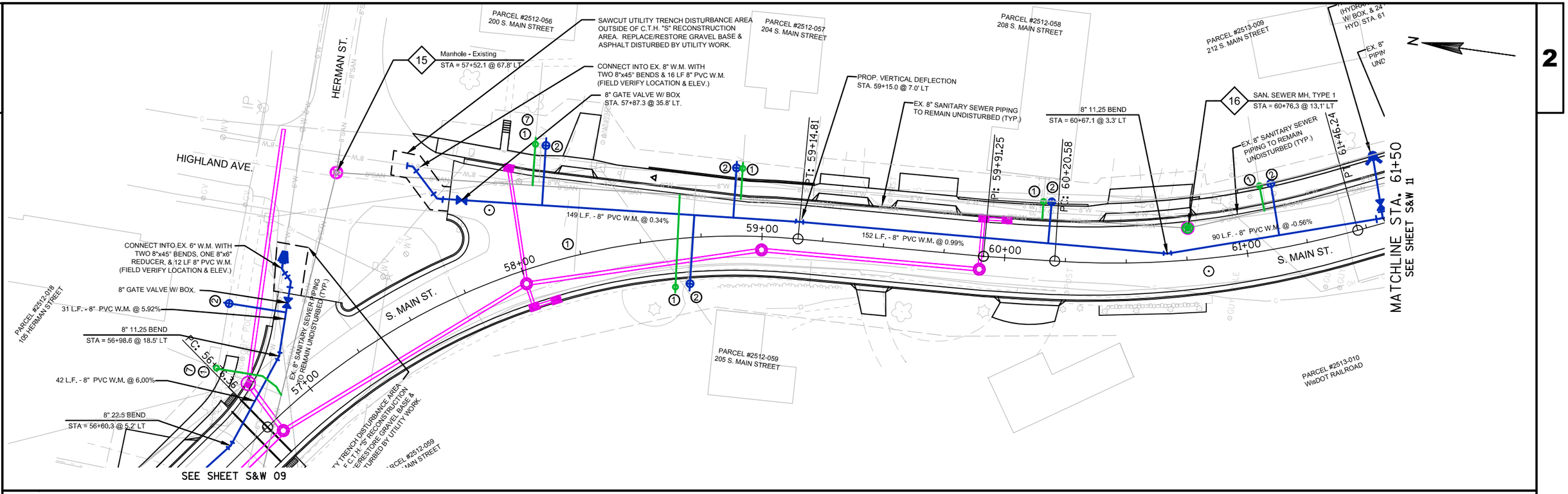
PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: SANITARY & WATER S&W 08	SHEET: 79	E

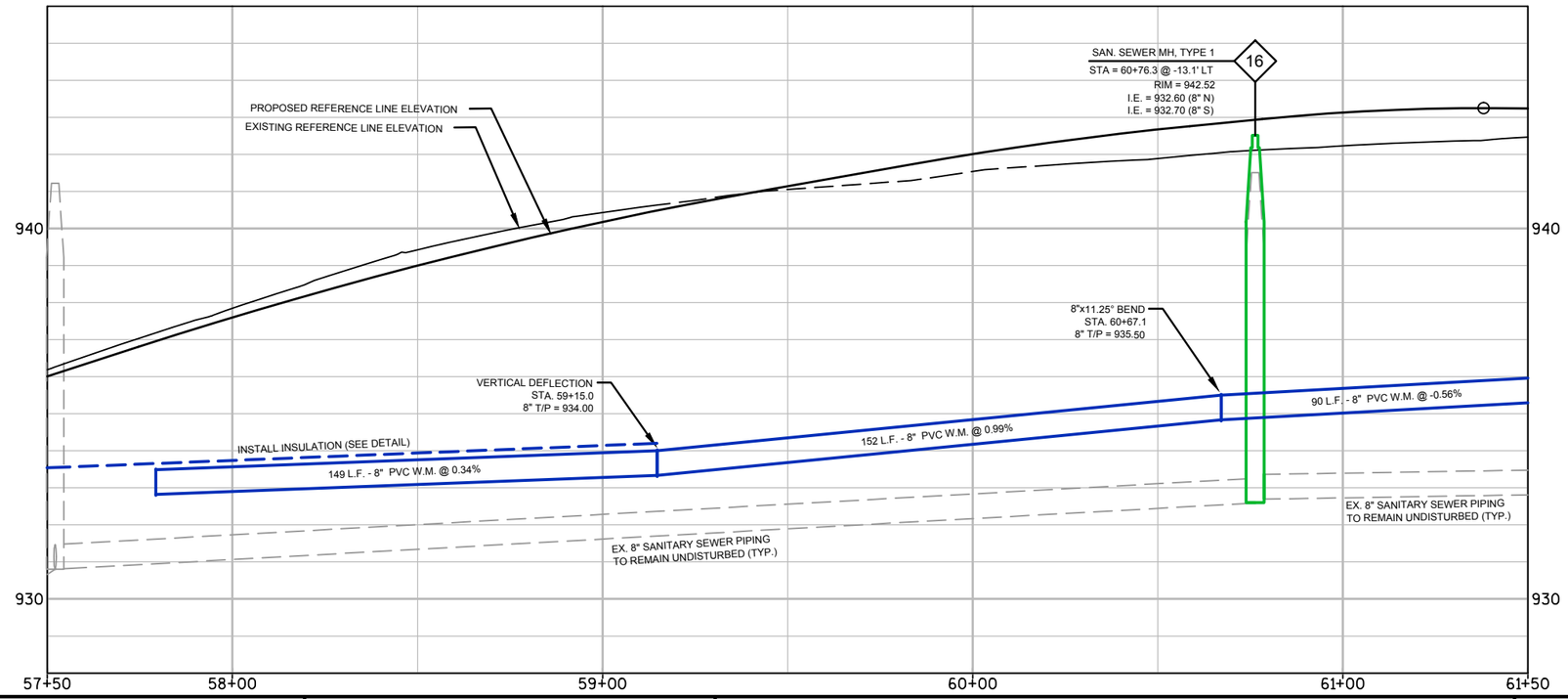




PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: SANITARY & WATER S&W 09	SHEET: 80	E

FILE NAME : P:\230S\231\00231013\CADD\DESIGN\ALIPROFS\ALIPROFS - CTHS-SAN&WATER.DWG PLOT DATE : 1/5/2017 1:13 PM PLOT BY : JML PLOT NAME : PLOT SCALE : 1 INCH = 40 FEET

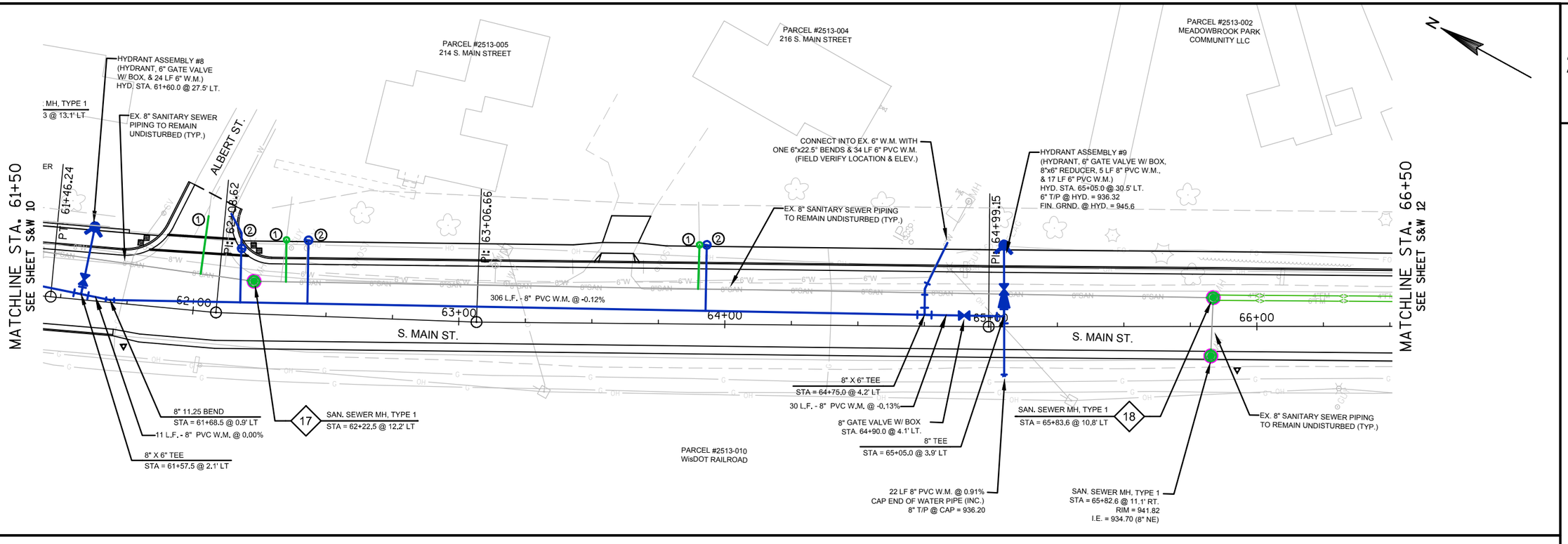


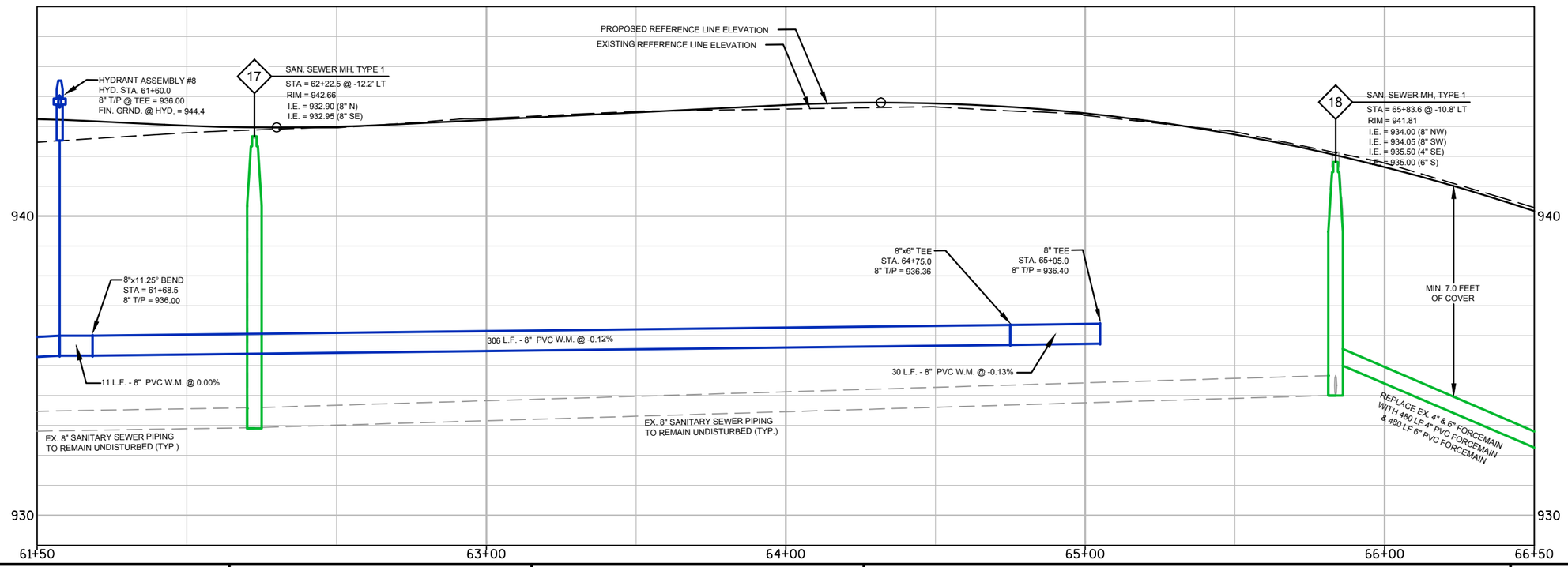


PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: SANITARY & WATER S&W 10	SHEET: 81	E

FILE NAME : P:\230S\231\00231013\CADD\DESIGN\ALIPROFS\ALIPROFS - CTHS-SAN&WATER.DWG PLOT DATE : 1/5/2017 1:13 PM PLOT BY : JML PLOT NAME : PLOT SCALE : 1 INCH = 40 FEET

WISDOT/CADDS SHEET 44





PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: SANITARY & WATER S&W 11	SHEET: 82 E

MATCHLINE STA. 66+50
SEE SHEET S&W 11

PARCEL #2513-002
MEADOWBROOK PARK
COMMUNITY LLC

NOTE: BYPASS PUMP SEWAGE FROM EX. DOWNSTREAM LIFT STATION TO EX. SAN. MH #18 DURING RECONSTRUCTION OF EX. FORCEMAIN PIPING.

REPLACE EX. 4" & 6" FORCEMAIN
480 LF 4" PVC FORCEMAIN
& 480 LF 6" PVC FORCEMAIN

P.I. 69+98.98

SAWCUT UTILITY TRENCH DISTURBANCE AREA OUTSIDE OF C.T.H. "S" RECONSTRUCTION AREA. REPLACE/RESTORE GRAVEL BASE & ASPHALT DISTURBED BY UTILITY WORK.

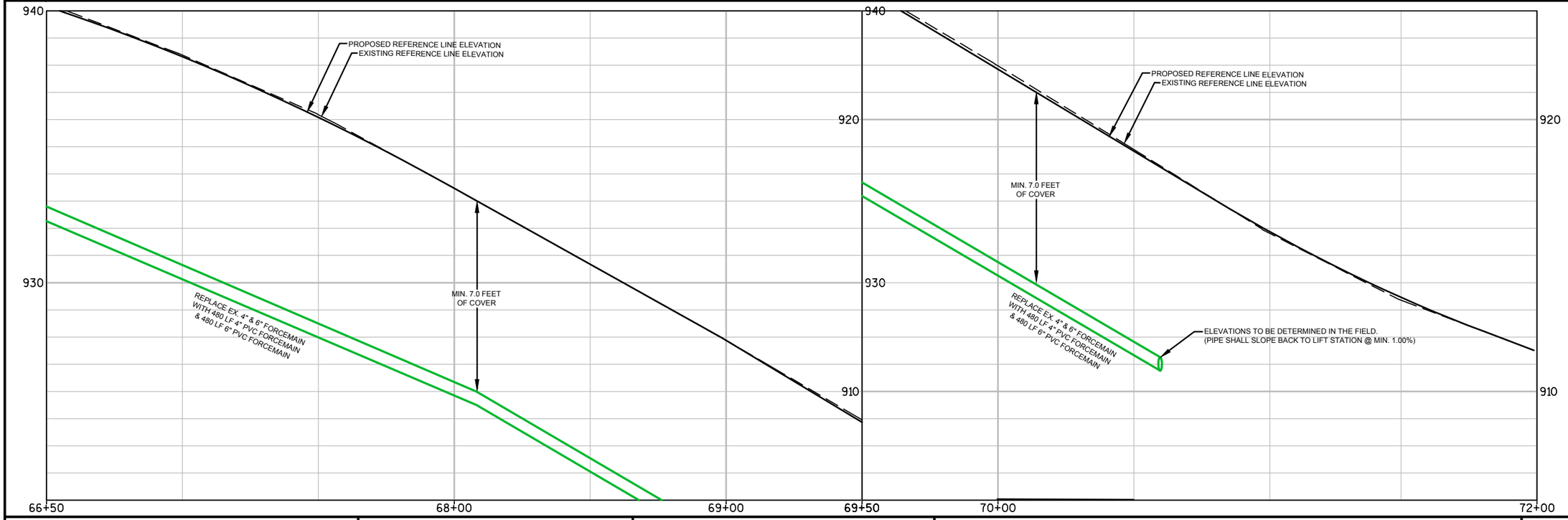
CONNECT INTO EX. 4" & 6" FORCEMAIN PIPING AT STA. 70+60 (FIELD VERIFY LOCATION & ELEVATION)

67+00 68+00 69+00 70+00 72+00

S. MAIN ST. S. MAIN ST.

STA BACK = 71+00.00
STA AHEAD = 71+01.68

PARCEL #2513-010
WisDOT RAILROAD



PROJECT NO: 3897-00-69	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: SANITARY & WATER S&W 12	SHEET: 83 E

FILE NAME : P:\230S\231\00231013\CADD\DESIGN\ALIPROFS\ALIPROFS - CTHS-SAN&WATER.DWG PLOT DATE : 1/5/2017 1:13 PM PLOT BY : JML PLOT NAME : PLOT SCALE : 1 INCH = 40 FEET

2

LEGEND

- EXISTING SIGN MOUNTED ON POST/S
- SIGN MOUNTED ON POST/S
- SIGN TWO SIDES ON SINGLE POST
- SIGN TWO SIDES ON DOUBLE POSTS
- XX-XX — DENOTES SIGN NUMBER
- XX" — INDICATES SIGN SIZE
- SIGN FLAGS PERMANENT TYPE II, 16 INCH

N

BP: 20+00.00P

PC: 22+47.19P

PT: 24+45.81P

21P 22P 23P 24P 25P

EXISTING R/W

CTH S / W PLEASANT STREET

STH 67

MATCH LINE
STA 25+50P

BEGIN PROJECT
STA 21+25P

EXISTING R/W

R01-06
SPEED LIMIT 25
REMOVE

SPEED LIMIT 25
R2-1
24"X30"

01-03

01-01
SPEED LIMIT 25
R2-1
24"X30"

SPEED LIMIT 25
REMOVE
R01-01

RESTRICTED PARKING
ON ALL VILLAGE STREETS FROM 1 AM TO 6 AM
REMOVE & SALVAGE SIGN FOR VILLAGE
R01-02

ST. MATTHEW'S EV. LUTHERAN CHURCH & SCHOOL
REMOVE & SALVAGE SIGN FOR VILLAGE
R01-03

01-02
13'-0"
W12-2
36"X36"

1/4 MILES AHEAD
W57-52
36"X24"

13'-0"

0.3 MILES AHEAD
REMOVE
R01-05
(ON POLE)

LIONS INTERNATIONAL
REMOVE & SALVAGE SIGN FOR VILLAGE
R01-04

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PERMANENT SIGNING	SHEET 84	E

2

2

LEGEND

EXISTING SIGN MOUNTED ON POST/S

SIGN MOUNTED ON POST/S

SIGN TWO SIDES ON SINGLE POST

SIGN TWO SIDES ON DOUBLE POSTS

XX-XX DENOTES SIGN NUMBER

XX" INDICATES SIGN SIZE

SIGN FLAGS PERMANENT TYPE II, 16 INCH

N

R02-01

STOP

REMOVE

STOP

R1-1

30"X30"

CAUTION CHILDREN AT PLAY

REMOVE

R02-02

WESTGATE DRIVE

EP: 30+66.30W

02-01

BP: 30+00.00W R/W

EXISTING R/W

R02-10

SPEED LIMIT 25

REMOVE

SPEED LIMIT 25

R2-1

24"X30"

02-04

REMOVE

R02-08

REMOVE

R02-09

MATCH LINE STA 25+50P

26P

27P

28P

29P

30P

31P

CTH S / W PLEASANT STREET

MATCH LINE STA 31+50P

EP: 20+87.73I

R/W

02-02

STOP

R1-1

30"X30"

BP: 20+00.00I

STOP

REMOVE

R02-03

INDUSTRIAL DRIVE

EXISTING R/W

02-03

SPEED LIMIT 25

R2-1

24"X30"

SPEED LIMIT 25

REMOVE

R02-04

(ON POLE)

RADAR PATROLLED

WELCOME THIS IS A NEIGHBORHOOD WATCH COMMUNITY

REMOVE & SALVAGE SIGN FOR VILLAGE

R02-05

R02-06

R02-07

REMOVE

REMOVE

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PERMANENT SIGNING	SHEET 85	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\023201-PS.DWG
LAYOUT NAME - 023201-PS-02

PLOT DATE : 10/26/2016 9:07 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST/S
- SIGN MOUNTED ON POST/S
- SIGN TWO SIDES ON SINGLE POST
- SIGN TWO SIDES ON DOUBLE POSTS
- XX-XX — DENOTES SIGN NUMBER
- XX" — INDICATES SIGN SIZE
- SIGN FLAGS PERMANENT TYPE II, 16 INCH

N

MATCH LINE STA 31+50P

PI: 31+80.52P

EXISTING R/W

32P 33P 34P 35P 36P 37P

CTH S / W PLEASANT STREET

EP: 21+00.00B

MATCH LINE STA 37+50P

EXISTING R/W

03-01

W11-2
30"X30"
AHEAD
W16-9P
24"X8"

BP: 20+00.00B

BURKWALD AVENUE

03-02

STOP
R1-1
30"X30"

STOP
REMOVE
R03-01

03-03

W11-2
30"X30"
W16-7L
24"X12"

W11-2
30"X30"
W16-7L
24"X12"

03-04

R03-02

SPEED LIMIT 25
REMOVE
(ON POLE)

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PERMANENT SIGNING	SHEET	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\023201-PS.DWG
LAYOUT NAME - 023201-PS-03

PLOT DATE : 10/26/2016 9:07 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- EXISTING SIGN MOUNTED ON POST/S
- SIGN MOUNTED ON POST/S
- SIGN TWO SIDES ON SINGLE POST
- SIGN TWO SIDES ON DOUBLE POSTS
- XX-XX — DENOTES SIGN NUMBER
- XX" — INDICATES SIGN SIZE
- SIGN FLAGS PERMANENT TYPE II, 16 INCH

N

MATCH LINE STA 37+50P

PI: 37+99.00P

PI: 38+82.61P

PI: 39+46.99P

EP: 20+92.66PS

BP: 20+00.00PS

MATCH LINE STA 43+50P

PARK STREET

CTH S / W PLEASANT STREET

EXISTING R/W

EXISTING R/W

EXISTING R/W

38P 39P 40P 41P 42P 43P

R04-06
13'-0"
REMOVE

13'-0"
W12-2
36"X36"
04-03

W5-52L
12"X36"
04-08

REMOVE
R04-01

REMOVE
R04-05

R1-5L
18"X18"
04-04

R04-08
STOP
REMOVE

STOP
R1-1
30"X30"
04-05

W11-2
30"X30"
AHEAD
W16-9P
24"X12"
04-06

(ON POLE)
SPEED LIMIT 25
REMOVE
R04-12

SPEED LIMIT 25
R2-1
24"X30"
04-07

04-01
R1-5L
18"X18"

04-02
13'-0"
W12-2
36"X36"

13'-0"
REMOVE
R04-02
(ON POLE)

R04-03
REMOVE

R04-04
REMOVE

R04-07
REMOVE

04-09
W5-52L
12"X36"

COMMUNITY CENTER
VILLAGE CLERK
POLICE DEPT.
LIBRARY
FIREMENS PARK

REMOVE &
SALVAGE SIGNS
FOR VILLAGE
R04-09

R04-10
REMOVE &
SALVAGE SIGNS
FOR VILLAGE
(ON POLE)

REMOVE
PRIVATE
PROPERTY
NO
TRESPASSING

IRON RIDGE
D.P.W.
920-387-2676
LAST CALL
LOGISTICS
262-224-0754

REMOVE &
SALVAGE SIGNS
FOR VILLAGE
R04-11

DANGEROUS INTERSECTION
REMOVE
(ON POLE)
R04-13

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PERMANENT SIGNING	SHEET 87	E

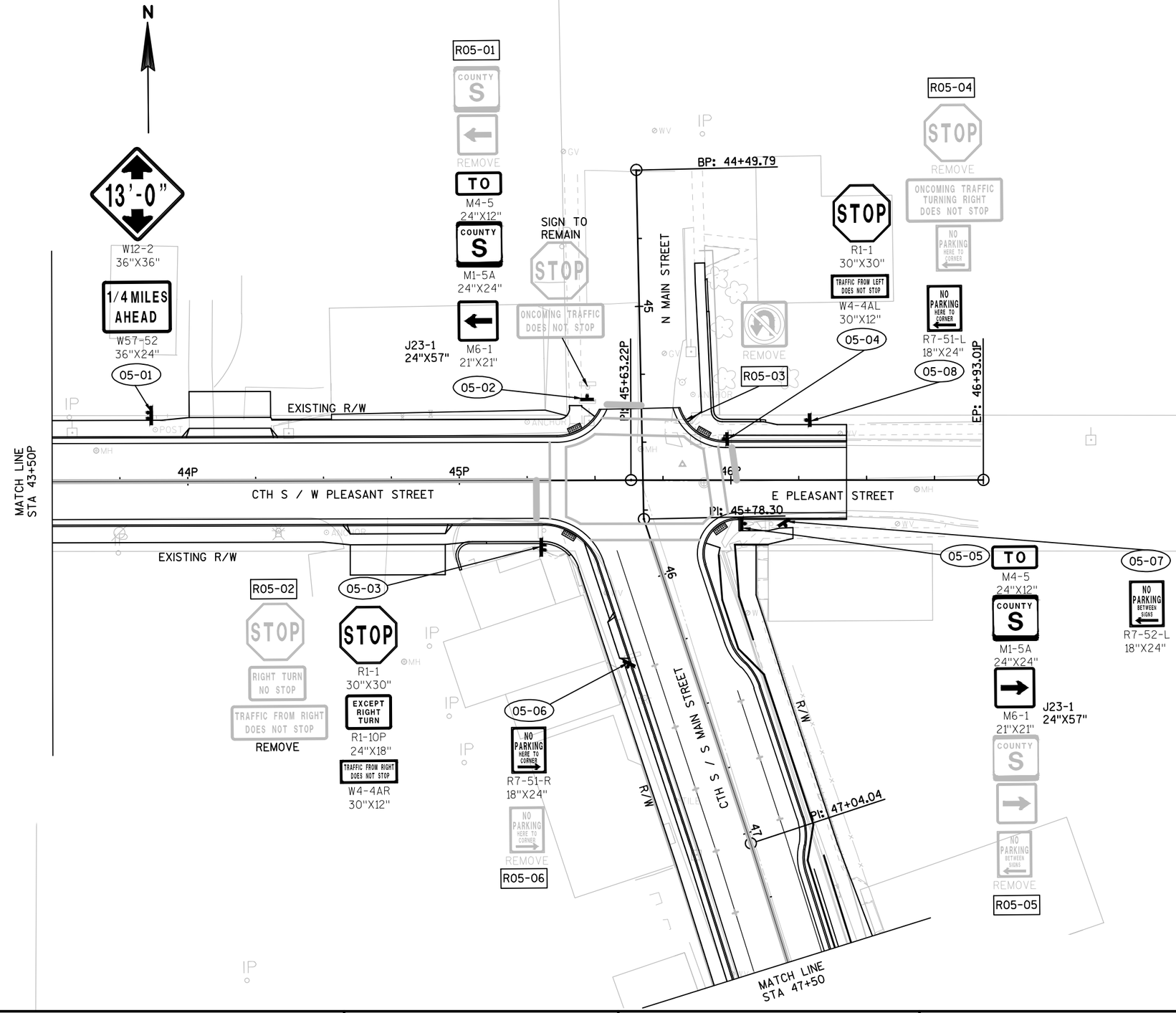
FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\023201-PS.DWG
LAYOUT NAME - 023201-PS-04

PLOT DATE : 10/26/2016 9:07 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST/S
- SIGN MOUNTED ON POST/S
- SIGN TWO SIDES ON SINGLE POST
- SIGN TWO SIDES ON DOUBLE POSTS
- (XX-XX) DENOTES SIGN NUMBER
- XX" INDICATES SIGN SIZE
- SIGN FLAGS PERMANENT TYPE II, 16 INCH



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PERMANENT SIGNING	SHEET 88	E

2

N

R06-01
REMOVE
(ON POLE)

DANGEROUS
INTERSECTION

ESTIMATED LOCATION
OF CONTAMINATED SOIL
& GROUNDWATER

PI: 48+60.04

PI: 52+02.14

PC: 53+37.10

EXISTING R/W

MATCH LINE
STA 47+50

48 49 50 CTH S / S MAIN STREET 51 52 53

MATCH LINE
STA 53+50

R/W

06-01

JCT
M2-1
21"X15"

J1-1
24"X39"

COUNTY
AY
M1-5A
24"X24"

JCT
COUNTY
AY
REMOVE
R06-02

06-02

SPEED
LIMIT
25
R2-1
24"X30"

SPEED
LIMIT
25
REMOVE
R06-03

LEGEND

- EXISTING SIGN MOUNTED ON POST/S
- SIGN MOUNTED ON POST/S
- SIGN TWO SIDES ON SINGLE POST
- SIGN TWO SIDES ON DOUBLE POSTS
- XX-XX — DENOTES SIGN NUMBER
- XX" — INDICATES SIGN SIZE
- SIGN FLAGS PERMANENT TYPE II, 16 INCH

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PERMANENT SIGNING	SHEET	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\023201-PS.DWG
LAYOUT NAME - 023201-PS-06

PLOT DATE : 10/26/2016 9:07 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

R07-01
SPEED LIMIT 25
REMOVE

SPEED LIMIT 25
R2-1
24"X30"
07-01

NO PARKING BETWEEN SIGNS
NO PARKING SCHOOL BUS STOP
R07-02
NO PARKING ANY TIME
R7-1-R
18"X24"
07-07

MATCH LINE STA 53+50

PT: 55+19.24

54
55
56
57
58
59

CTH S / S MAIN STREET

R/W

EXISTING R/W

R07-04
STOP
REMOVE
STOP
R1-1
30"X30"
07-03

BP: 20+00.00H
PI: 20+97.02HS
HIGHLAND AVENUE
EP: 21+67.91HS
PI: 20+56.41H
HERMAN STREET
HS
2H

BP: 20+00.00HS
PC: 56+76.36
HS

R07-06
STOP
REMOVE
STOP
R1-1
30"X30"
07-05

R07-05
STOP
REMOVE
STOP
R1-1
30"X30"
07-04

R07-07
COUNTY AY
REMOVE
COUNTY AY
M1-5A
24"X24"
M6-1
21"X21"
J13-1
24"X45"
07-06

EXISTING R/W
22H
PT: 59+14.81
EP: 22+32.32H

07-02
COUNTY AY
M1-5A
24"X24"
J13-1
24"X45"
M6-1
21"X21"
COUNTY AY
REMOVE
R07-03

MATCH LINE STA 59+50

EXISTING R/W

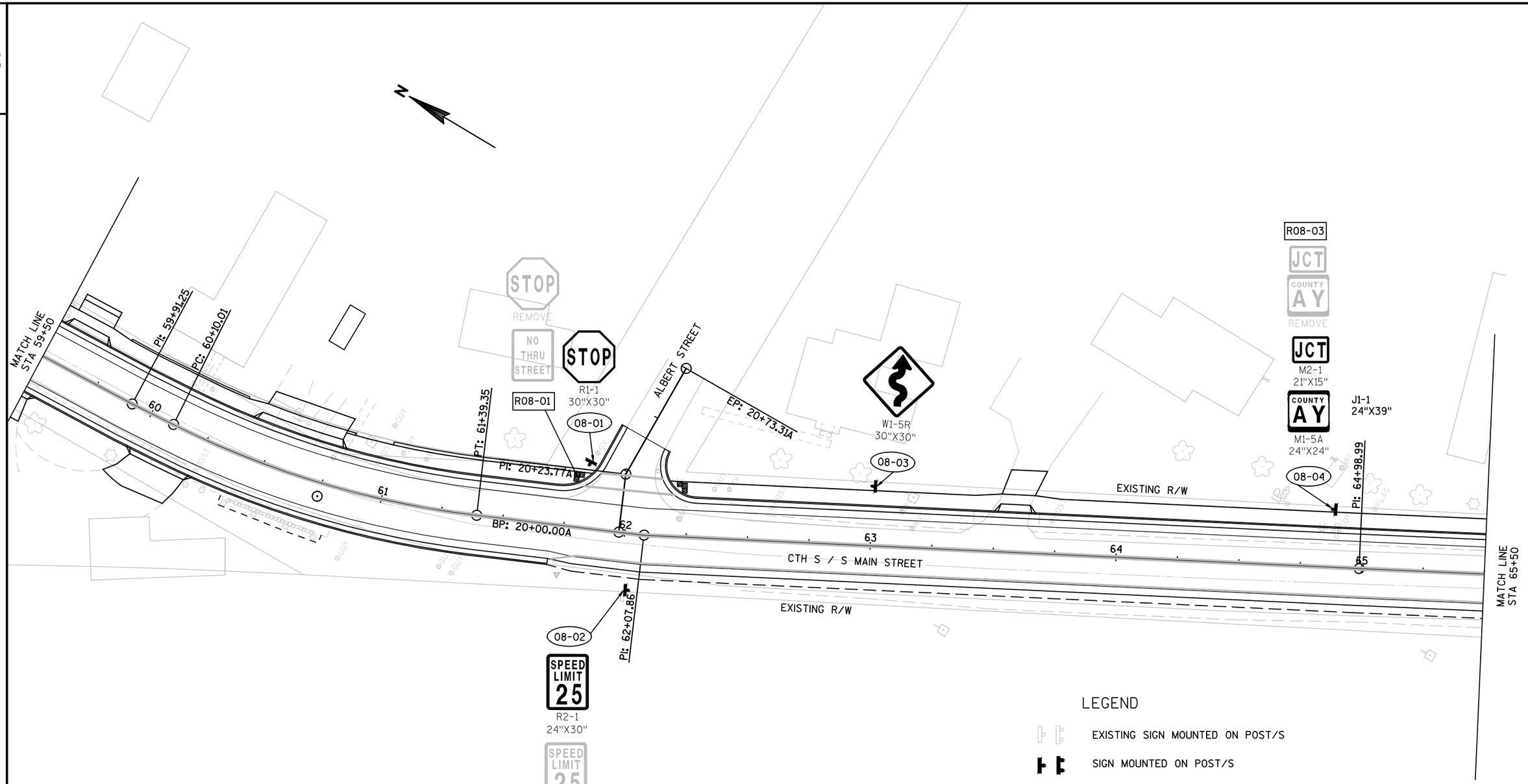
LEGEND

- EXISTING SIGN MOUNTED ON POST/S
- SIGN MOUNTED ON POST/S
- SIGN TWO SIDES ON SINGLE POST
- SIGN TWO SIDES ON DOUBLE POSTS
- XX-XX — DENOTES SIGN NUMBER
- XX" — INDICATES SIGN SIZE
- SIGN FLAGS PERMANENT TYPE II, 16 INCH

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PERMANENT SIGNING	SHEET 90	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\023201-PS.DWG
LAYOUT NAME - 023201-PS-07
PLOT DATE : 10/26/2016 9:07 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



LEGEND

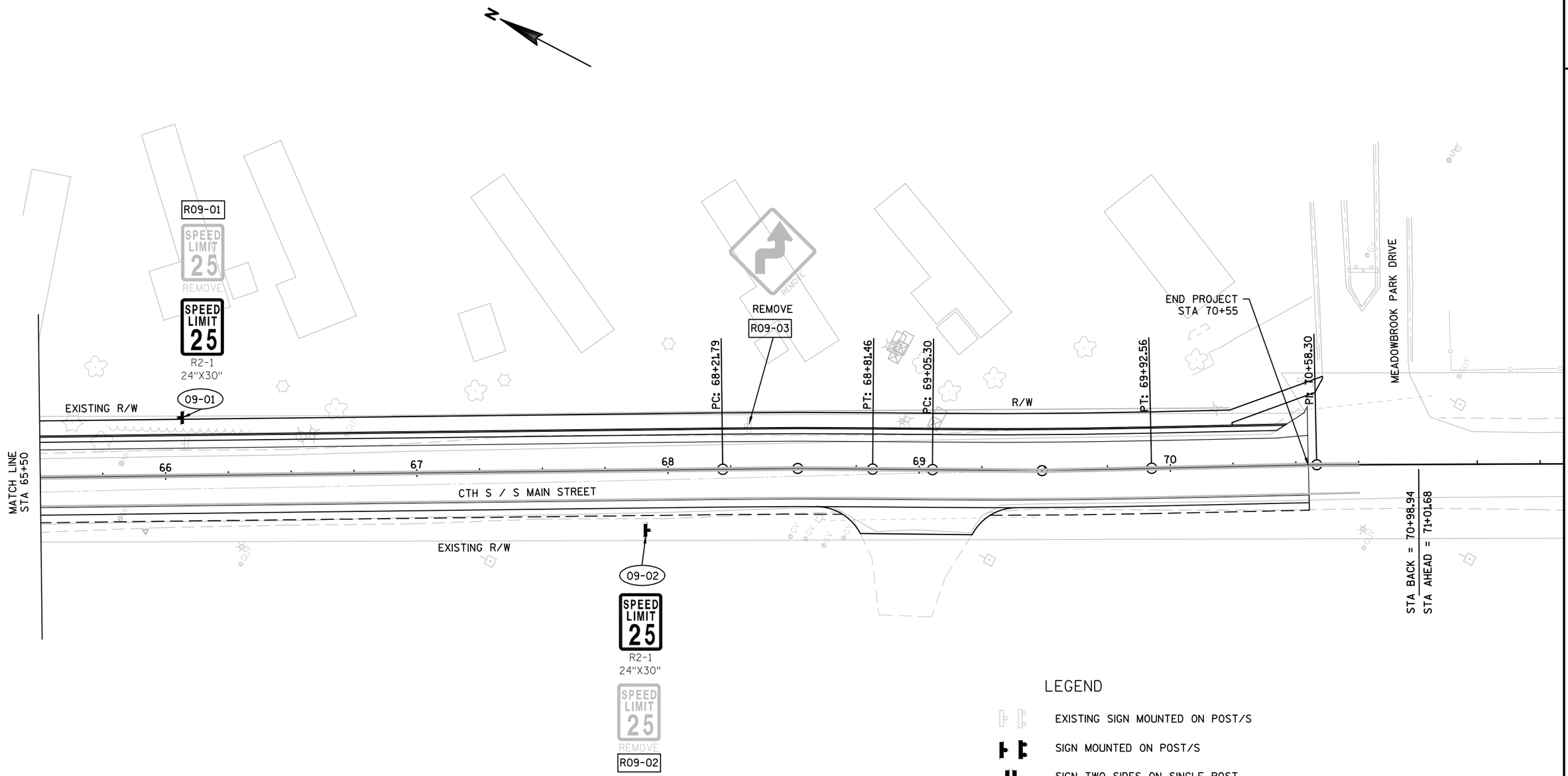
- EXISTING SIGN MOUNTED ON POST/S
- SIGN MOUNTED ON POST/S
- SIGN TWO SIDES ON SINGLE POST
- SIGN TWO SIDES ON DOUBLE POSTS
- XX-XX — DENOTES SIGN NUMBER
- XX" — INDICATES SIGN SIZE
- SIGN FLAGS PERMANENT TYPE II, 16 INCH

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PERMANENT SIGNING	SHEET	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\023201-PS.DWG
LAYOUT NAME - 023201-PS-08

PLOT DATE : 10/26/2016 9:07 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

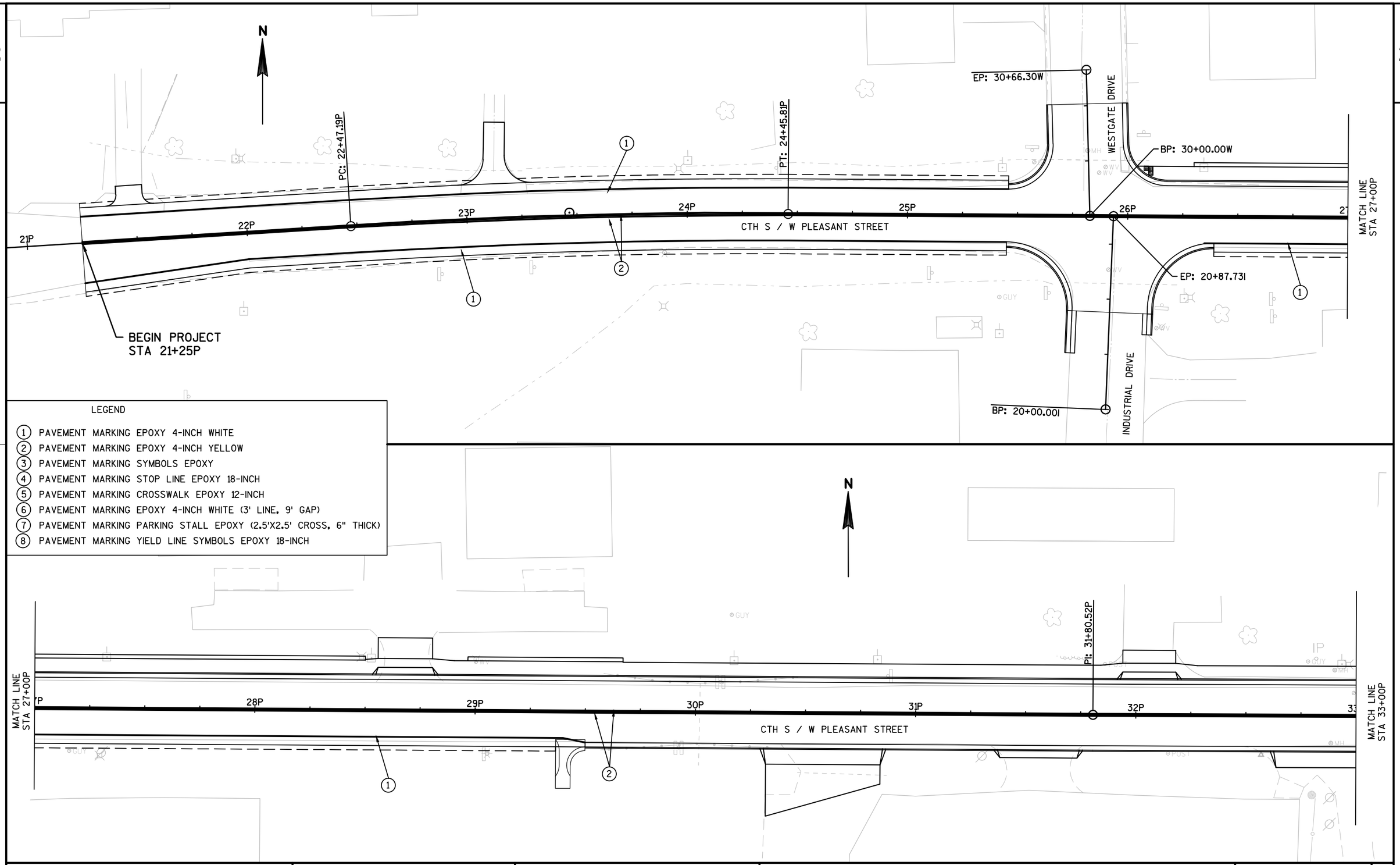


LEGEND

- EXISTING SIGN MOUNTED ON POST/S
- SIGN MOUNTED ON POST/S
- SIGN TWO SIDES ON SINGLE POST
- SIGN TWO SIDES ON DOUBLE POSTS
- XX-XX — DENOTES SIGN NUMBER
- XX" — INDICATES SIGN SIZE
- SIGN FLAGS PERMANENT TYPE II, 16 INCH

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PERMANENT SIGNING	SHEET 92	E

2

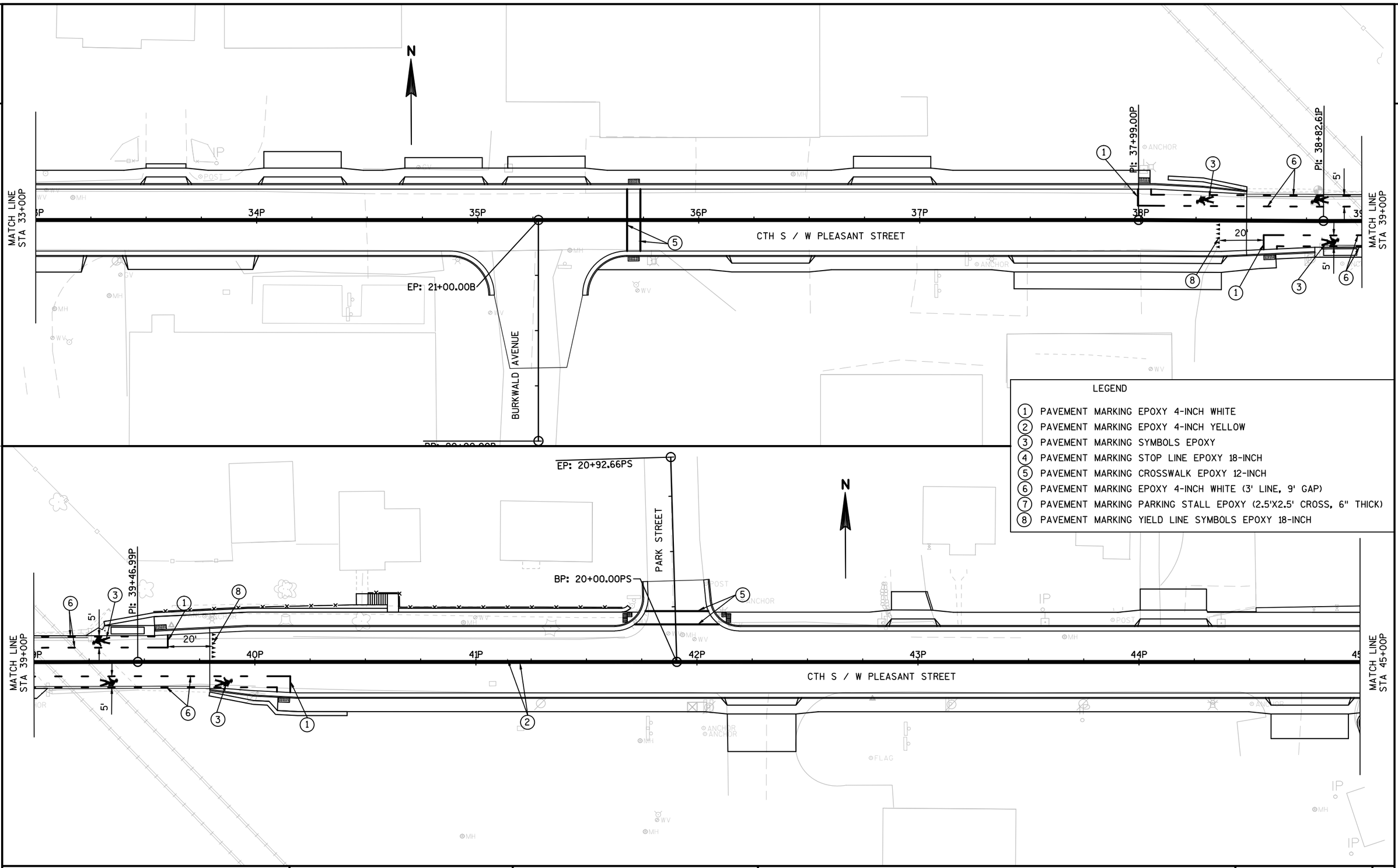


LEGEND

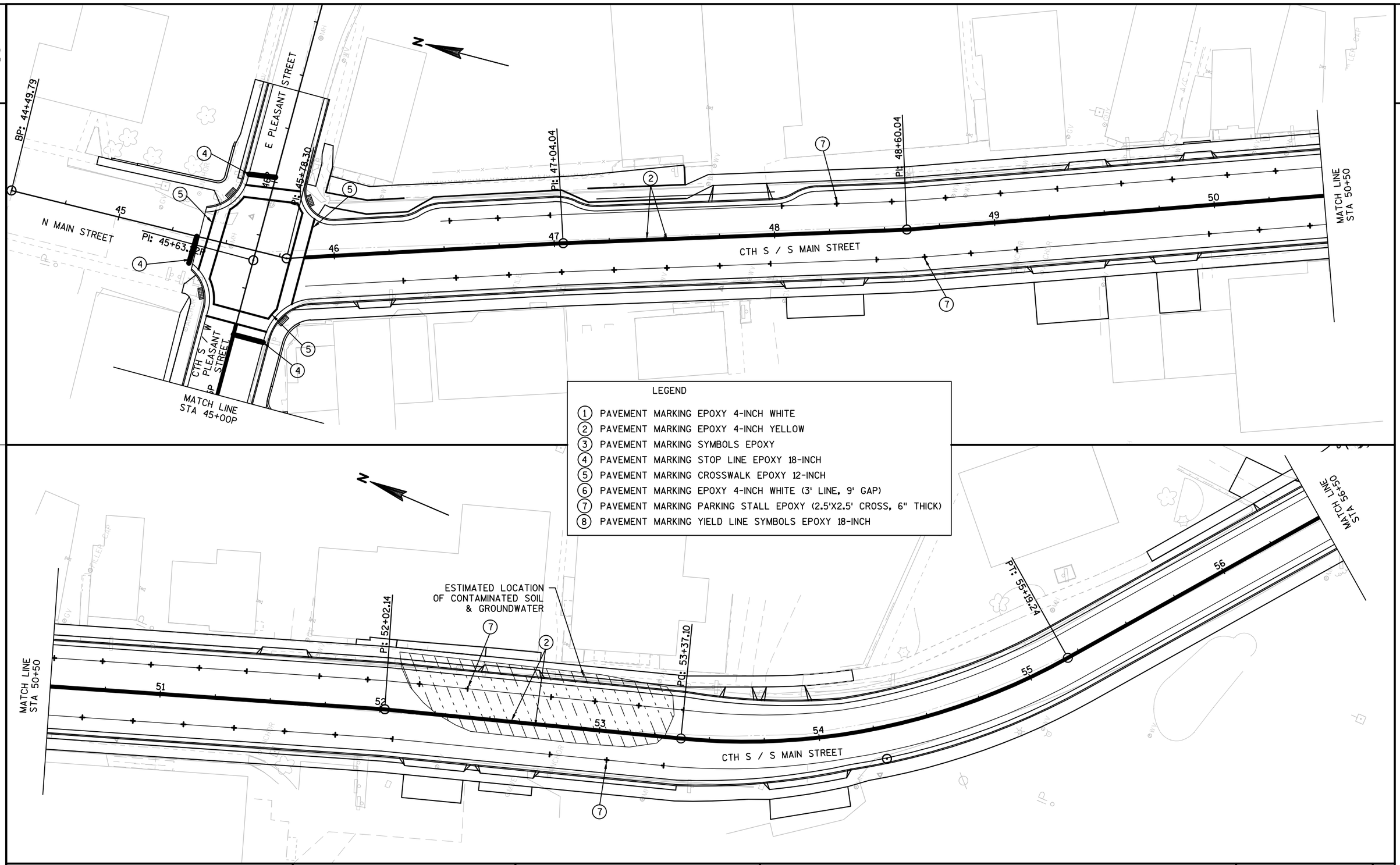
1. PAVEMENT MARKING EPOXY 4-INCH WHITE
2. PAVEMENT MARKING EPOXY 4-INCH YELLOW
3. PAVEMENT MARKING SYMBOLS EPOXY
4. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
5. PAVEMENT MARKING CROSSWALK EPOXY 12-INCH
6. PAVEMENT MARKING EPOXY 4-INCH WHITE (3' LINE, 9' GAP)
7. PAVEMENT MARKING PARKING STALL EPOXY (2.5'X2.5' CROSS, 6" THICK)
8. PAVEMENT MARKING YIELD LINE SYMBOLS EPOXY 18-INCH

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVEMENT MARKING	SHEET 93	E

2



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVEMENT MARKING	SHEET 94	E

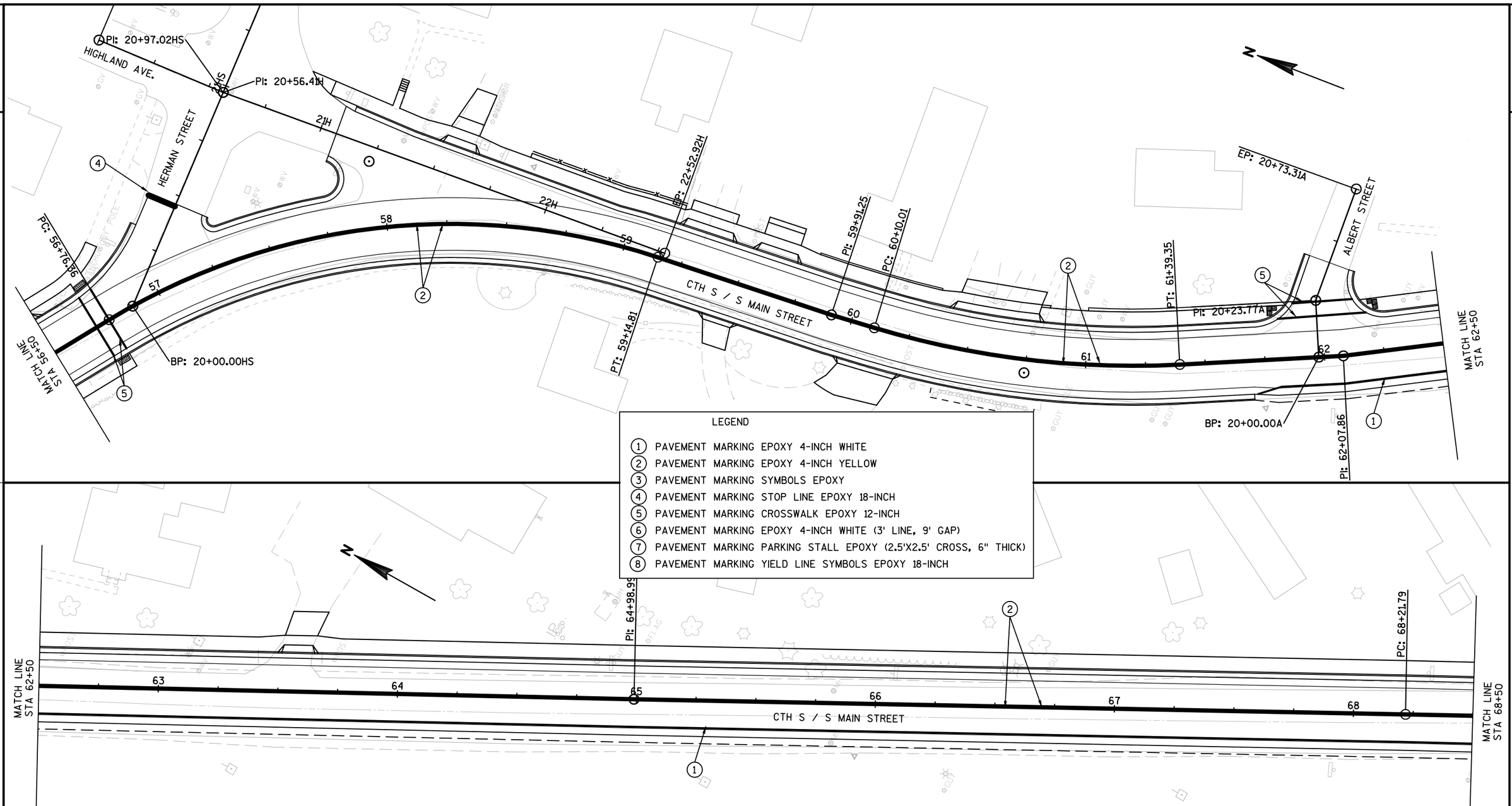


LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH WHITE
2. PAVEMENT MARKING EPOXY 4-INCH YELLOW
3. PAVEMENT MARKING SYMBOLS EPOXY
4. PAVEMENT MARKING STOP LINE EPOXY 18-INCH
5. PAVEMENT MARKING CROSSWALK EPOXY 12-INCH
6. PAVEMENT MARKING EPOXY 4-INCH WHITE (3' LINE, 9' GAP)
7. PAVEMENT MARKING PARKING STALL EPOXY (2.5'X2.5' CROSS, 6" THICK)
8. PAVEMENT MARKING YIELD LINE SYMBOLS EPOXY 18-INCH

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVEMENT MARKING	SHEET 95	E

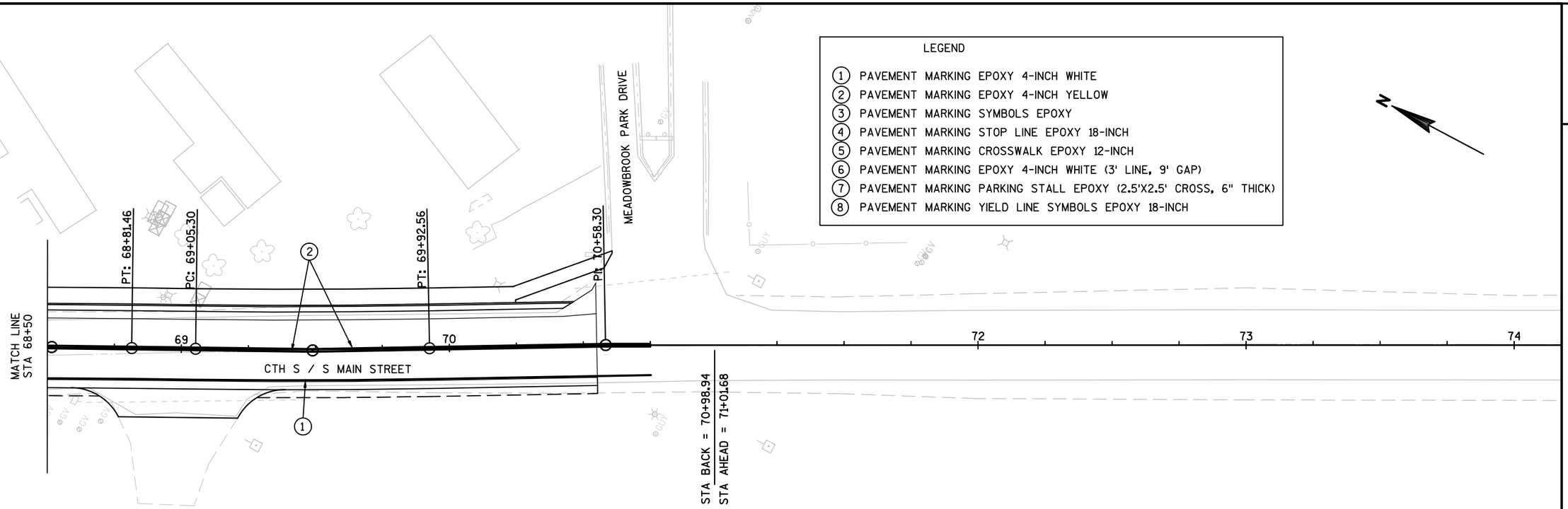
2



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVEMENT MARKING	SHEET 96	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\024501-PM.DWG
LAYOUT NAME - 024501-PM-04

PLOT DATE : 1/4/2017 11:54 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT



2

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PAVEMENT MARKING	SHEET 97	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\024501-PM.DWG
LAYOUT NAME - 024501-PM-05
PLOT DATE : 1/4/2017 11:54 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

DETOUR ROUTE

DETOUR ROUTE
STH 67 - CTH WS = 4 MILES

N

SEE TRAFFIC CONTROL DETOUR DETAIL SHEET 1 FOR TRAFFIC CONTROL IN THIS AREA

WORK ZONE

SEE TRAFFIC CONTROL DETOUR DETAIL 3 FOR TRAFFIC CONTROL IN THIS AREA

DETOUR ROUTE

SEE TRAFFIC CONTROL DETOUR DETAIL 2 FOR TRAFFIC CONTROL IN THIS AREA

17-TC

7-TC

NOTES:

* UTILIZE S.D.D. "BARRICADES & SIGNS FOR MAINLINE CLOSURES" AT PROJECT ENDS.

** UTILIZE S.D.D. "BARRICADES & SIGNS FOR SIDEROAD CLOSURES" AT SIDEROADS WITHIN PROJECT LIMITS.

MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- EXISTING SIGN
- EXISTING SIGN TO BE COVERED

DETOUR M4-8 24"X12"

DETOUR M4-8 24"X12"

EAST M03-2 24"X12"

WEST M03-4 24"X12"

COUNTY S M1-5A 24"X24"

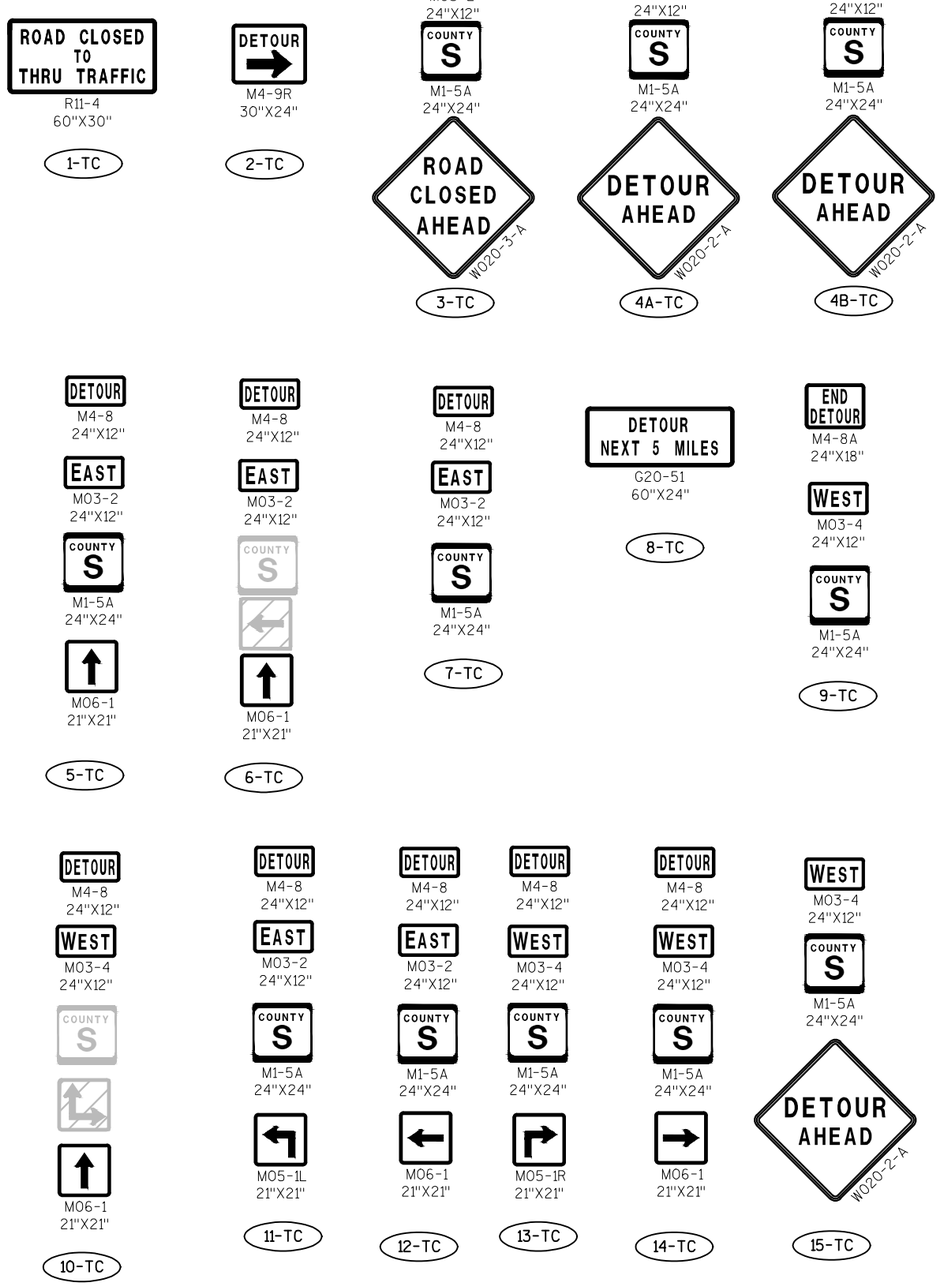
COUNTY S M1-5A 24"X24"

7-TC

17-TC

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TRAFFIC CONTROL DETOUR ROUTE	SHEET 98	E

TRAFFIC CONTROL DETOUR SIGNS



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- Ⓐ TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- EXISTING SIGN
- EXISTING SIGN TO BE COVERED

TRAFFIC CONTROL SIGNING GENERAL NOTES

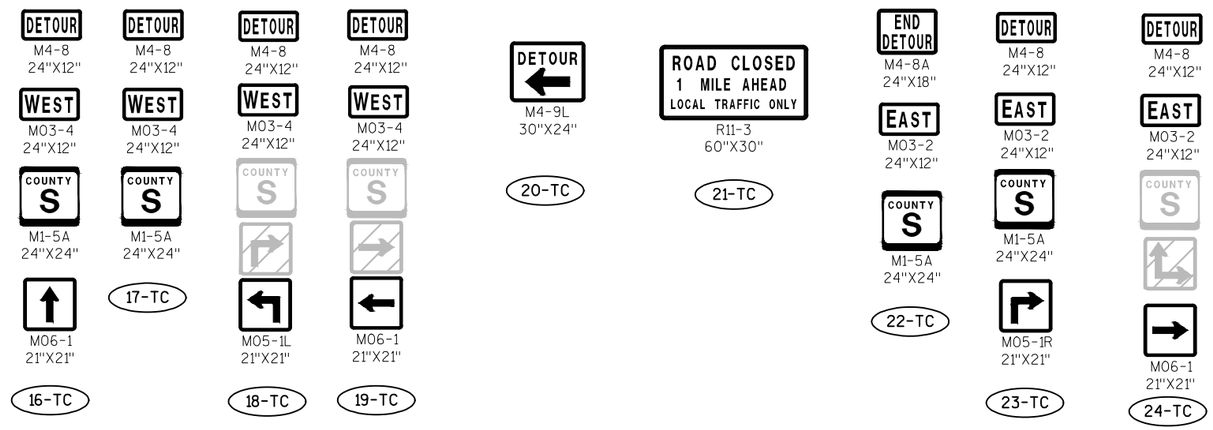
1. DRAWINGS SHOW TRAFFIC CONTROL DETOUR FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON SITE CONDITIONS AS DIRECTED BY THE ENGINEER. ALL CHANGES TO THE TRAFFIC CONTROL DETOUR PLAN SHALL BE REVIEWED WITH THE PROJECT ENGINEER.

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

3. TRAFFIC CONTROL PLANS ARE NOT TO SCALE.

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

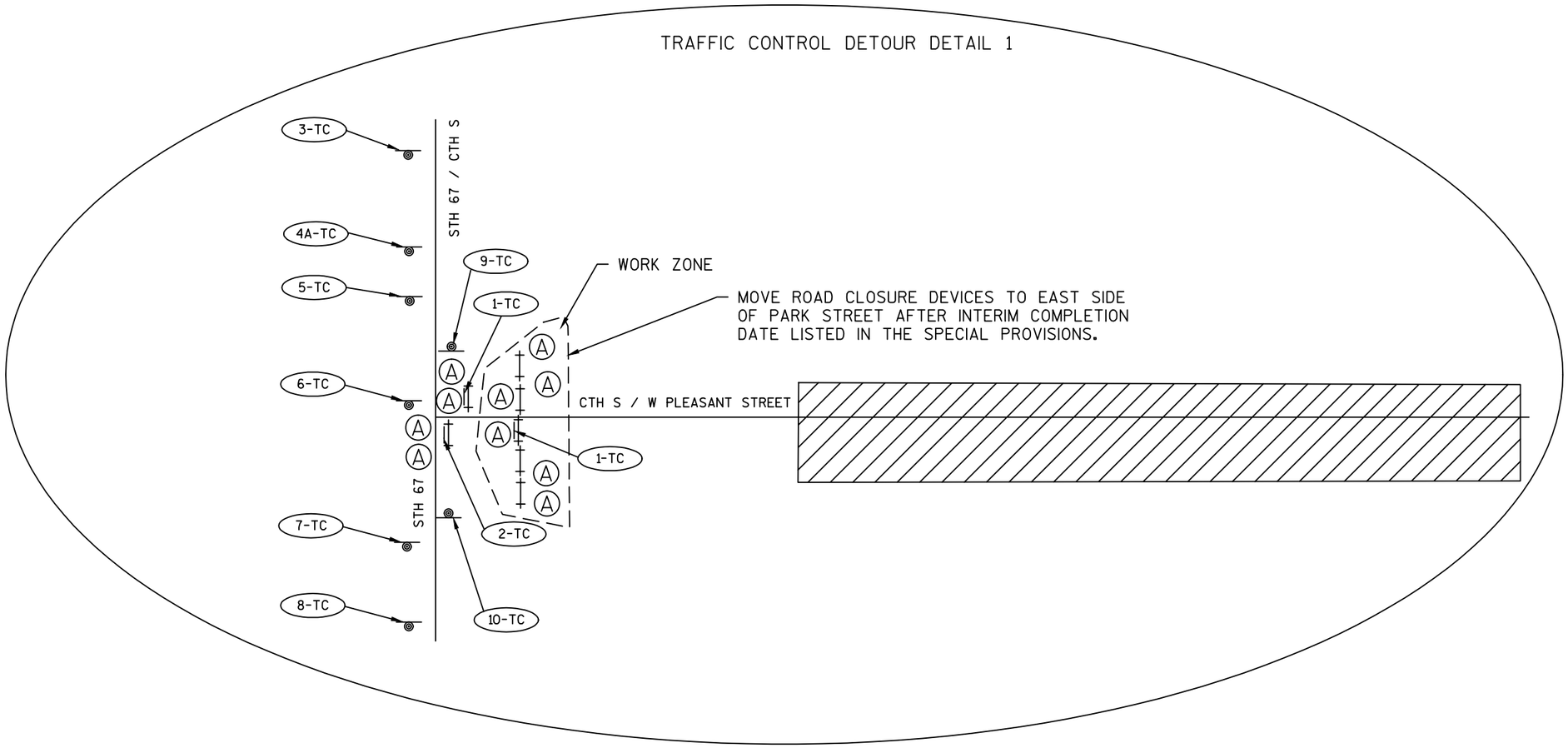
5. COVER, REMOVE, OR ALTER ANY EXISTING SIGNS THAT DISPLAY A CONFLICTING MESSAGE WITH THE PROPOSED DETOUR ROUTE.



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TRAFFIC CONTROL DETOUR ROUTE	SHEET 99	E

2

TRAFFIC CONTROL DETOUR DETAIL 1



R11-4
60"X30"

1-TC



M4-9R
30"X24"

2-TC



3-TC



4A-TC



5-TC



6-TC



7-TC



G20-51
60"X24"

8-TC



9-TC



10-TC

NOTES:

-SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
-SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"

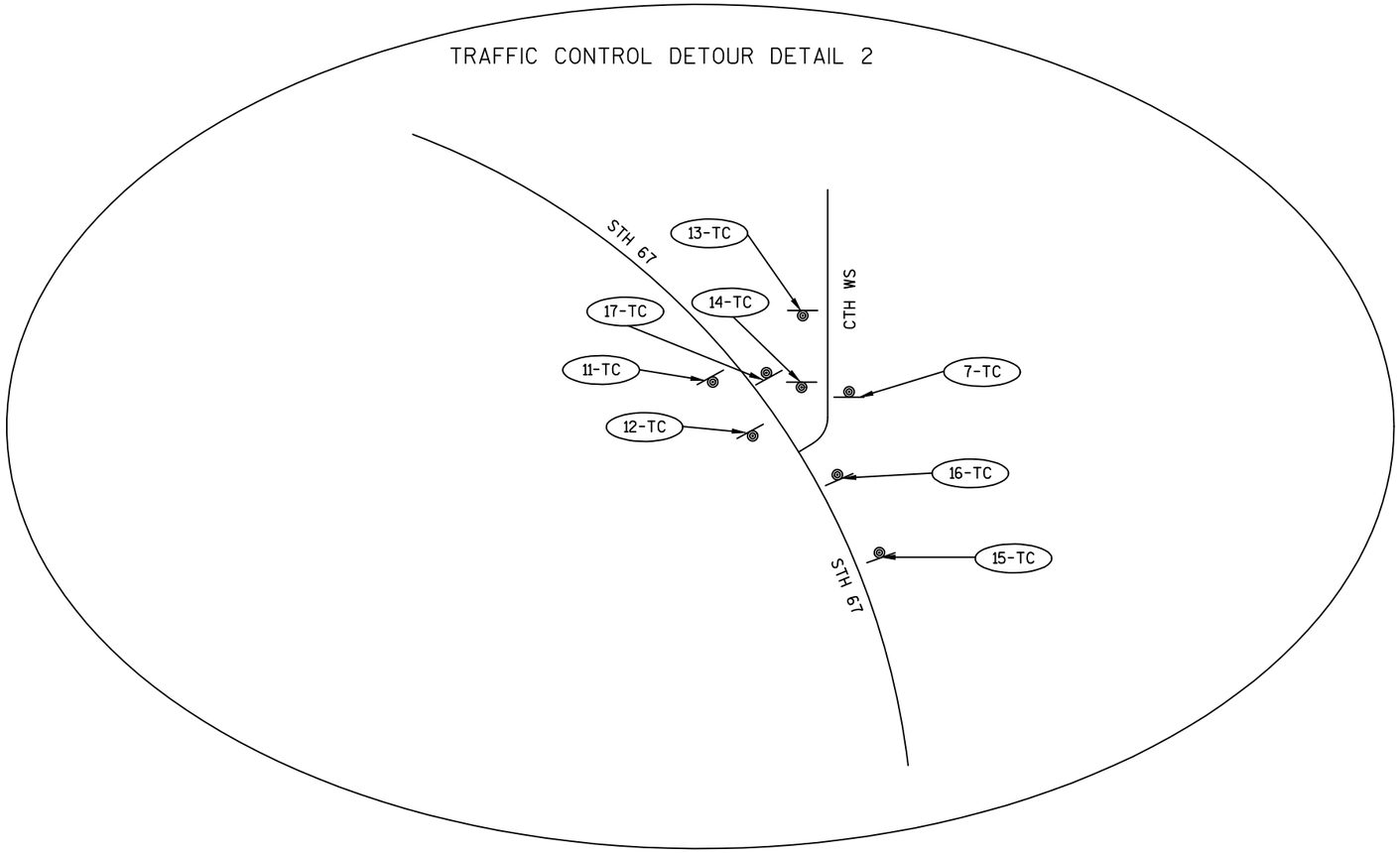
LEGEND

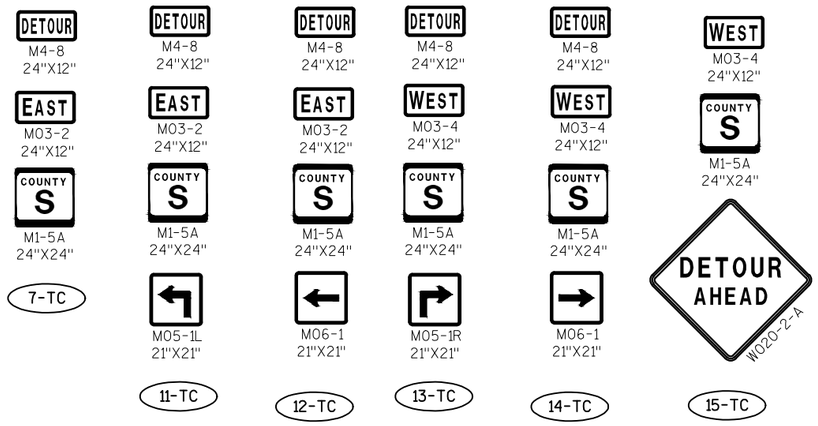
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- EXISTING SIGN
- EXISTING SIGN TO BE COVERED

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TRAFFIC CONTROL DETOUR DETAIL 1	SHEET 100	E

2

TRAFFIC CONTROL DETOUR DETAIL 2





LEGEND

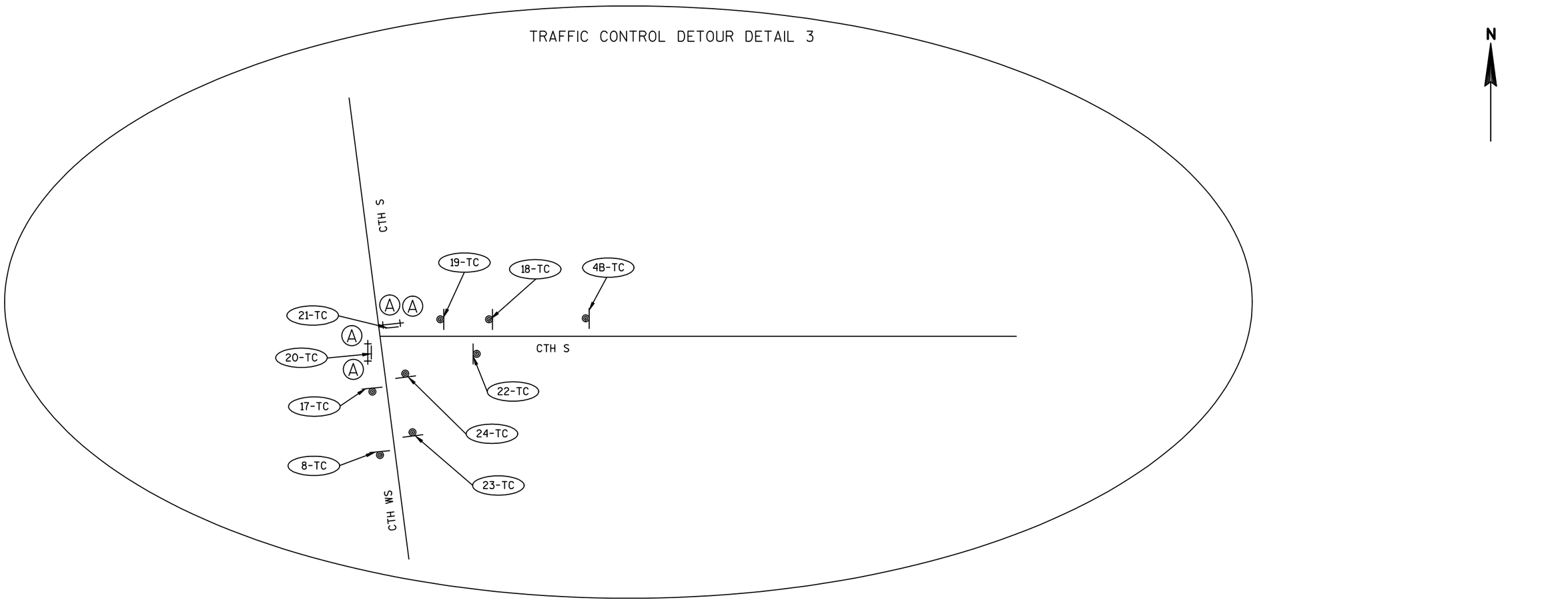
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- EXISTING SIGN
- EXISTING SIGN TO BE COVERED

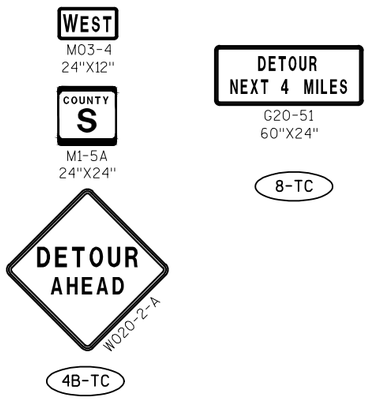
NOTES:

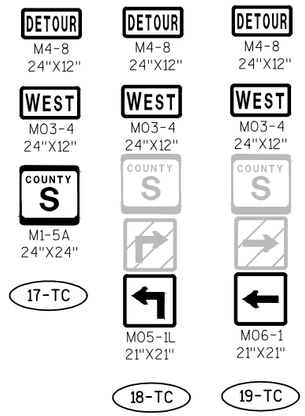
SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TRAFFIC CONTROL DETOUR DETAIL 2	SHEET 101	E

TRAFFIC CONTROL DETOUR DETAIL 3

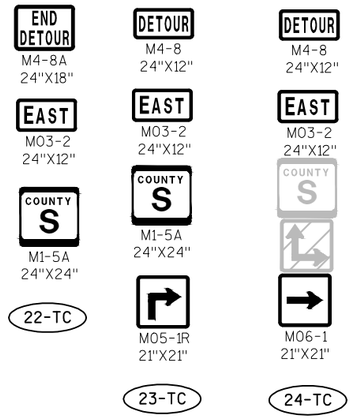












LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- EXISTING SIGN
- EXISTING SIGN TO BE COVERED

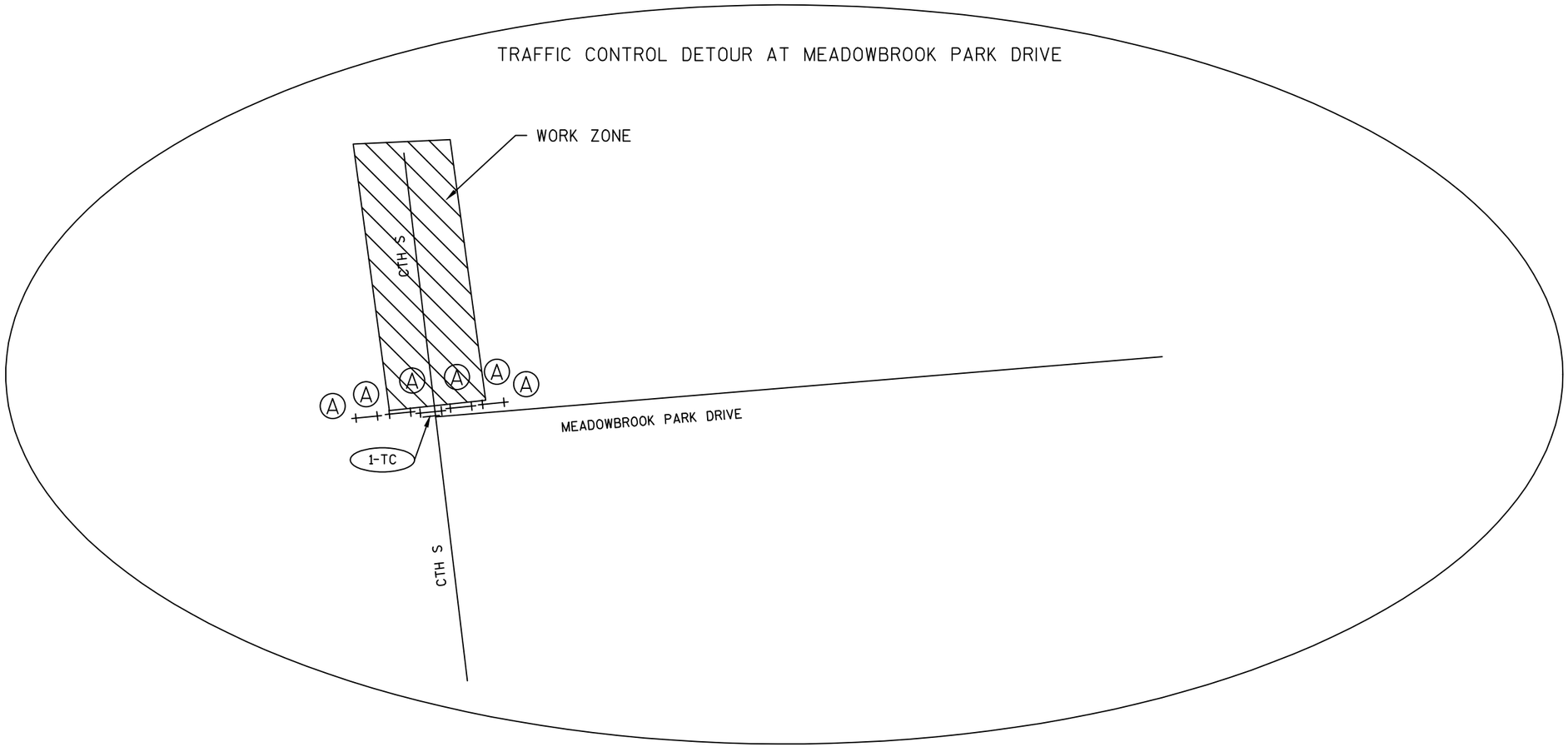
NOTES:

-SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
-SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TRAFFIC CONTROL DETOUR DETAIL 3	SHEET 102	E

2

TRAFFIC CONTROL DETOUR AT MEADOWBROOK PARK DRIVE



N

2

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

1-TC

LEGEND

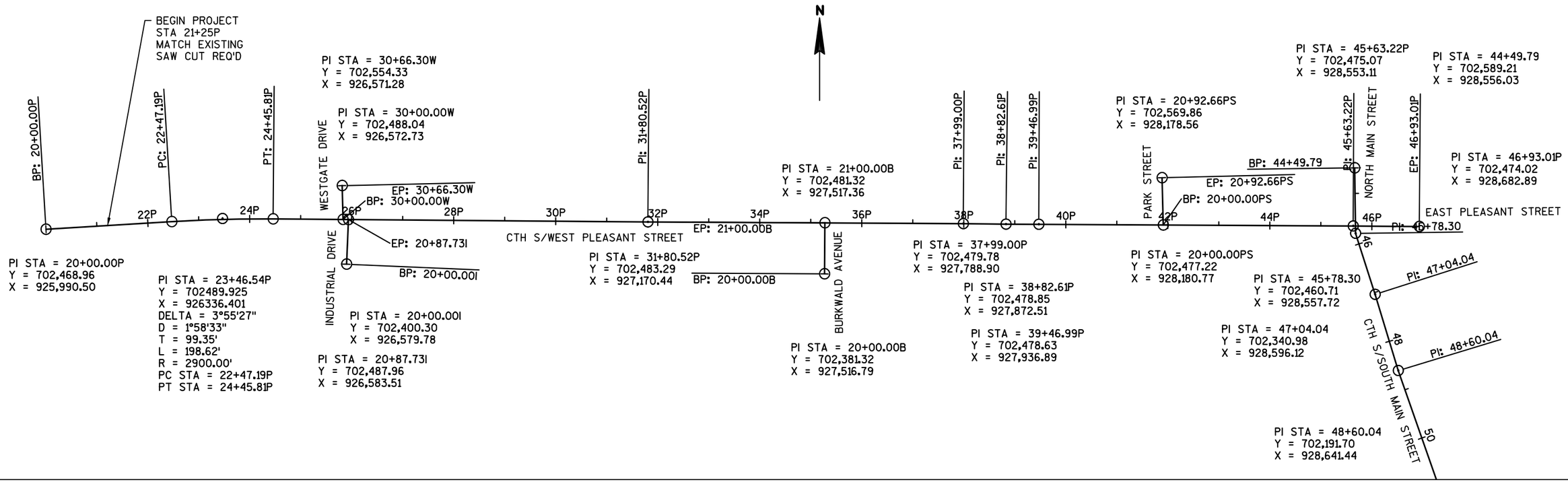
- TYPE III BARRICADE
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- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- (A) TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC
- COUNTY S — EXISTING SIGN
- COUNTY S — EXISTING SIGN TO BE COVERED

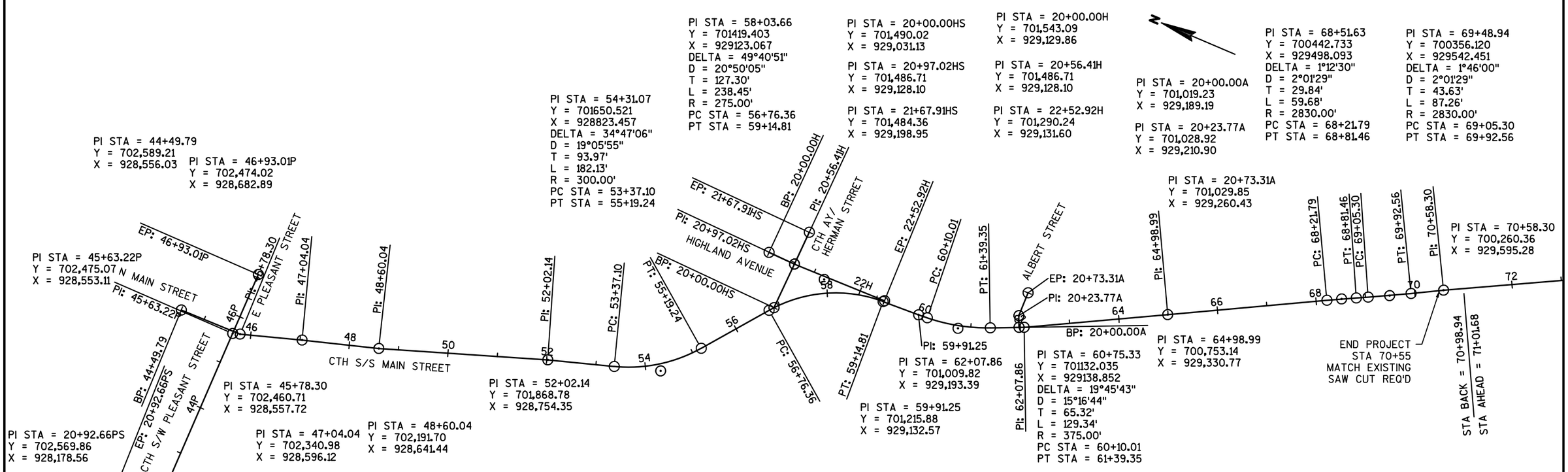
NOTES:

-SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
-SEE SDD "DETOUR SIGNING FOR MAINLINE CLOSURES"

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	TRAFFIC CONTROL DETOUR AT MEADOWBROOK	SHEET 103	E

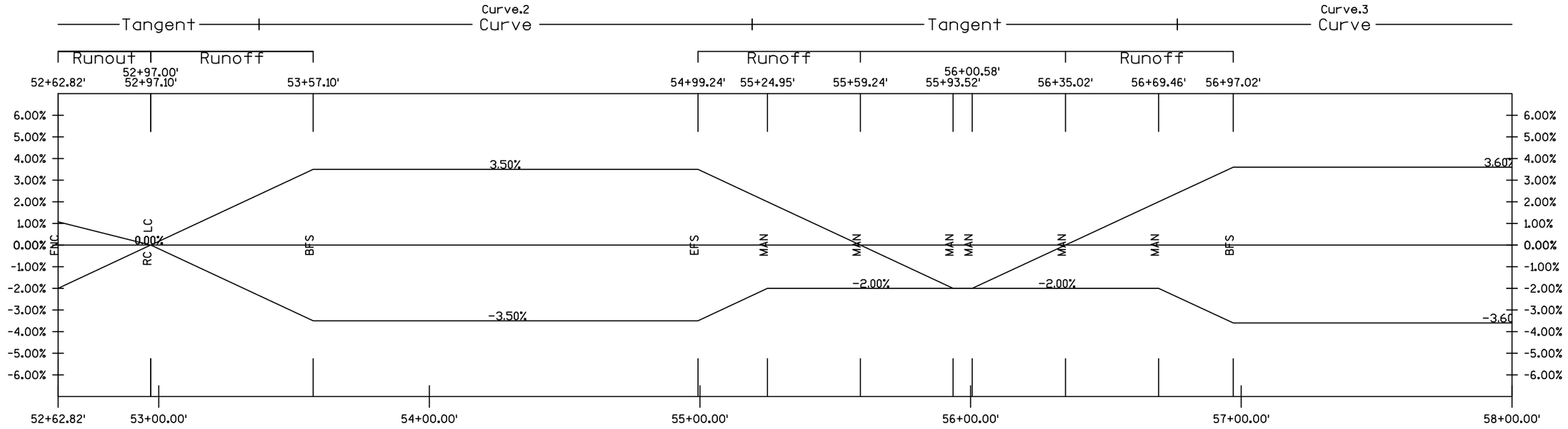
2



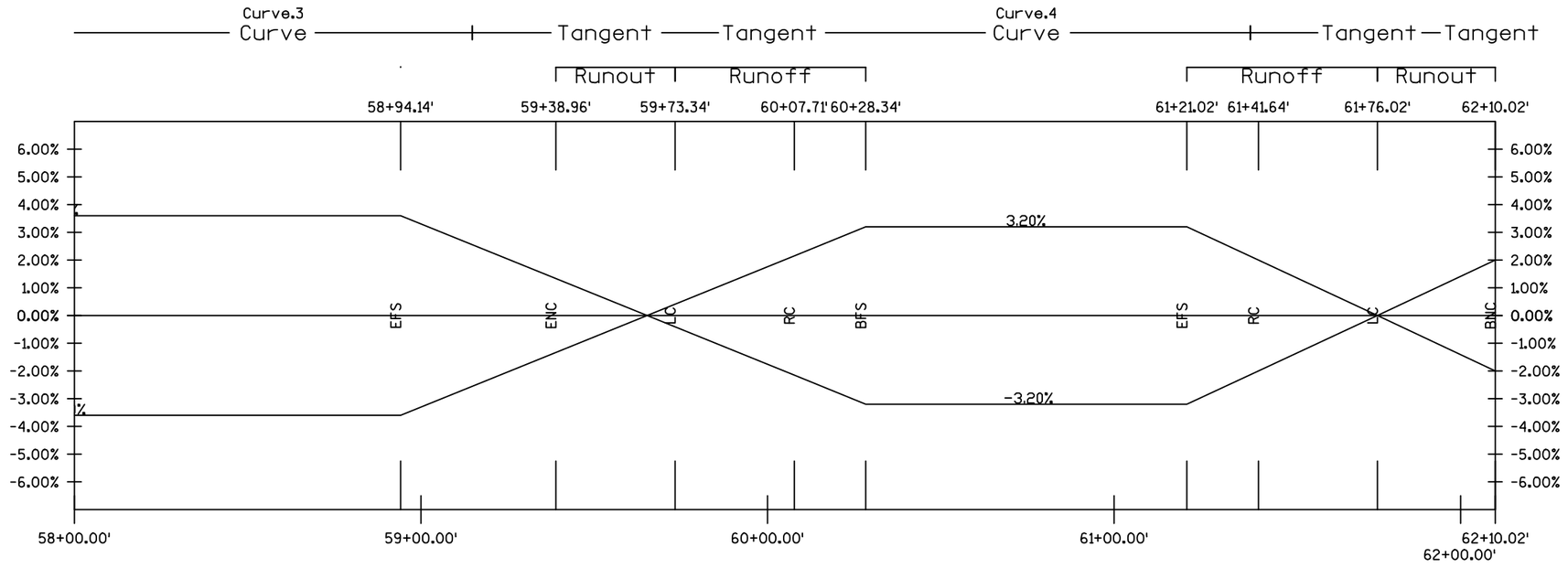


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	ALIGNMENT DIAGRAM	SHEET 104	E

Superelevation



Superelevation



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	SUPERELEVATION DIAGRAM	SHEET 105 E

Estimate Of Quantities

					3897-00-69	3897-00-70
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0010	201.0105	Clearing	STA	18.000		18.000
0020	201.0205	Grubbing	STA	18.000		18.000
0030	203.0100	Removing Small Pipe Culverts	EACH	4.000		4.000
0040	203.0200	Removing Old Structure (station) 01. Station 30+02P	LS	1.000		1.000
0050	204.0100	Removing Pavement	SY	12,675.000		12,675.000
0060	204.0150	Removing Curb & Gutter	LF	336.000		336.000
0070	204.0155	Removing Concrete Sidewalk	SY	1,365.000		1,365.000
0080	204.0165	Removing Guardrail	LF	225.000		225.000
0090	204.0170	Removing Fence	LF	23.000		23.000
0100	204.0185	Removing Masonry	CY	19.000		19.000
0110	204.0210	Removing Manholes	EACH	3.000		3.000
0120	204.0220	Removing Inlets	EACH	9.000		9.000
0130	204.0245	Removing Storm Sewer (size) 01. 8-Inch	LF	40.000		40.000
0140	204.0245	Removing Storm Sewer (size) 02. 10-Inch	LF	42.000		42.000
0150	204.0245	Removing Storm Sewer (size) 03. 12-Inch	LF	355.000		355.000
0160	204.0245	Removing Storm Sewer (size) 04. 15-Inch	LF	10.000		10.000
0170	204.0245	Removing Storm Sewer (size) 05. 18-Inch	LF	289.000		289.000
0180	204.0245	Removing Storm Sewer (size) 06. 24-Inch	LF	948.000		948.000
0190	204.0245	Removing Storm Sewer (size) 07. 36-Inch	LF	138.000		138.000
0200	204.0291.S	Abandoning Sewer	CY	48.000		48.000
0210	204.9060.S	Removing (item description) 03. Signs & Salvaging	EACH	7.000		7.000
0220	204.9090.S	Removing (item description) 01. Concrete Block Retaining Wall	LF	22.000		22.000
0230	204.9090.S	Removing (item description) 02. Timber Retaining Wall	LF	20.000		20.000
0240	204.9090.S	Removing (item description) 03. Tubular Railing	LF	169.000		169.000
0250	204.9090.S	Removing (item description) 04. Wood Railing	LF	19.000		19.000
0260	204.9090.S	Removing (item description) 05. Stone Wall	LF	20.000		20.000
0270	204.9090.S	Removing (item description) 06. Underdrain	LF	350.000		350.000
0280	204.9105.S	Removing (item description) 01. Boulders	LS	1.000		1.000
0290	205.0100	Excavation Common	CY	16,977.000		16,977.000
0300	209.2500	Backfill Granular Grade 2	TON	1,704.000		1,704.000
0310	213.0100	Finishing Roadway (project) 01. 3897-00-70	EACH	1.000		1.000
0320	305.0110	Base Aggregate Dense 3/4-Inch	TON	282.000		282.000
0330	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	14,356.000	163.000	14,193.000
0340	311.0110	Breaker Run	TON	9,960.000		9,960.000
0350	312.0110	Select Crushed Material	TON	599.000	316.000	283.000
0360	415.0060	Concrete Pavement 6-Inch	SY	26.000		26.000
0370	415.0080	Concrete Pavement 8-Inch	SY	16,878.000		16,878.000
0380	415.0210	Concrete Pavement Gaps	EACH	8.000		8.000
0390	415.1080	Concrete Pavement HES 8-Inch	SY	2,500.000		2,500.000

					3897-00-69	3897-00-70
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0400	415.6000.S	Rout and Seal	LF	842.000		842.000
0410	416.0160	Concrete Driveway 6-Inch	SY	847.000		847.000
0420	440.4410	Incentive IRI Ride	DOL	3,680.000		3,680.000
0430	465.0105	Asphaltic Surface	TON	308.000	102.000	206.000
0440	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	280.000		280.000
0450	465.0315	Asphaltic Flumes	SY	16.000		16.000
0460	511.1100	Temporary Shoring	SF	2,136.000	1,200.000	936.000
0470	513.2050.S	Railing Pipe	LF	28.000		28.000
0480	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	6.000		6.000
0490	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	2.000		2.000
0500	520.3318	Culvert Pipe Class III-A 18-Inch	LF	120.000		120.000
0510	520.3324	Culvert Pipe Class III-A 24-Inch	LF	66.000		66.000
0520	521.1283	Apron Endwalls for Pipe Arch Steel 83x57-Inch	EACH	2.000		2.000
0530	522.1021	Apron Endwalls for Culvert Pipe Reinforced Concrete 21-Inch	EACH	1.000		1.000
0540	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	1.000		1.000
0550	529.0383	Pipe Arch Corrugated Steel Aluminum Coated 83x57-Inch	LF	68.000		68.000
0560	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	7,607.000		7,607.000
0570	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	85.000		85.000
0580	601.0600	Concrete Curb Pedestrian	LF	46.000		46.000
0590	602.0405	Concrete Sidewalk 4-Inch	SF	31,526.000		31,526.000
0600	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	180.000		180.000
0610	602.1500	Concrete Steps	SF	130.000		130.000
0620	606.0200	Riprap Medium	CY	20.000		20.000
0630	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	812.000		812.000
0640	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	699.000		699.000
0650	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	256.000		256.000
0660	608.0321	Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	LF	412.000		412.000
0670	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	340.000		340.000
0680	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	142.000		142.000
0690	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	1,033.000		1,033.000
0700	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	46.000		46.000

					3897-00-69	3897-00-70
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0710	608.0348	Storm Sewer Pipe Reinforced Concrete Class III 48-Inch	LF	14.000		14.000
0720	610.0138	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	LF	204.000		204.000
0730	611.0530	Manhole Covers Type J	EACH	20.000		20.000
0740	611.0612	Inlet Covers Type C	EACH	3.000		3.000
0750	611.0624	Inlet Covers Type H	EACH	41.000		41.000
0760	611.0642	Inlet Covers Type MS	EACH	3.000		3.000
0770	611.2004	Manholes 4-FT Diameter	EACH	9.000		9.000
0780	611.2005	Manholes 5-FT Diameter	EACH	4.000		4.000
0790	611.2006	Manholes 6-FT Diameter	EACH	1.000		1.000
0800	611.2007	Manholes 7-FT Diameter	EACH	6.000		6.000
0810	611.2008	Manholes 8-FT Diameter	EACH	4.000		4.000
0820	611.2066	Manholes 6x6-FT	EACH	1.000		1.000
0830	611.3230	Inlets 2x3-FT	EACH	40.000		40.000
0840	611.3901	Inlets Median 1 Grate	EACH	3.000		3.000
0850	614.0805	Crash Cushions Permanent Low Maintenance	EACH	2.000		2.000
0860	616.0700.S	Fence Safety	LF	500.000		500.000
0870	619.1000	Mobilization	EACH	1.000	0.240	0.760
0880	623.0200	Dust Control Surface Treatment	SY	20,698.000		20,698.000
0890	624.0100	Water	MGAL	242.680		242.680
0900	625.0500	Salvaged Topsoil	SY	6,431.000		6,431.000
0910	627.0200	Mulching	SY	1,248.000		1,248.000
0920	628.1504	Silt Fence	LF	376.000		376.000
0930	628.1520	Silt Fence Maintenance	LF	376.000		376.000
0940	628.1905	Mobilizations Erosion Control	EACH	6.000		6.000
0950	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000		6.000
0960	628.2008	Erosion Mat Urban Class I Type B	SY	5,149.000		5,149.000
0970	628.2039	Erosion Mat Class III Type D	SY	583.000		583.000
0980	628.7005	Inlet Protection Type A	EACH	4.000		4.000
0990	628.7010	Inlet Protection Type B	EACH	1.000		1.000
1000	628.7015	Inlet Protection Type C	EACH	44.000		44.000
1010	628.7504	Temporary Ditch Checks	LF	144.000		144.000
1020	628.7555	Culvert Pipe Checks	EACH	25.000		25.000
1030	628.7560	Tracking Pads	EACH	4.000		4.000
1040	629.0210	Fertilizer Type B	CWT	4.800		4.800
1050	630.0120	Seeding Mixture No. 20	LB	88.000		88.000
1060	630.0140	Seeding Mixture No. 40	LB	78.000		78.000
1070	630.0200	Seeding Temporary	LB	17.000		17.000
1080	633.5200	Markers Culvert End	EACH	12.000		12.000

					3897-00-69	3897-00-70
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
1090	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	12.000		12.000
1100	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	6.000		6.000
1110	634.0810	Posts Tubular Steel 2x2-Inch X 10-FT	EACH	2.000		2.000
1120	634.0811	Posts Tubular Steel 2x2-Inch X 11-FT	EACH	11.000		11.000
1130	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	9.000		9.000
1140	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	6.000		6.000
1150	637.0620	Sign Flags Permanent Type II	EACH	2.000		2.000
1160	637.2210	Signs Type II Reflective H	SF	168.300		168.300
1170	637.2230	Signs Type II Reflective F	SF	98.250		98.250
1180	638.2602	Removing Signs Type II	EACH	44.000		44.000
1190	638.3000	Removing Small Sign Supports	EACH	42.000		42.000
1200	642.5001	Field Office Type B	EACH	1.000		1.000
1210	643.0100	Traffic Control (project) 01. 3897-00-70	EACH	1.000		1.000
1220	643.0300	Traffic Control Drums	DAY	9,000.000		9,000.000
1230	643.0420	Traffic Control Barricades Type III	DAY	10,980.000		10,980.000
1240	643.0705	Traffic Control Warning Lights Type A	DAY	9,360.000		9,360.000
1250	643.0900	Traffic Control Signs	DAY	6,300.000		6,300.000
1260	643.0920	Traffic Control Covering Signs Type II	EACH	5.000		5.000
1270	643.2000	Traffic Control Detour (project) 01. 3897-00-70	EACH	1.000		1.000
1280	643.3000	Traffic Control Detour Signs	DAY	14,940.000		14,940.000
1290	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	200.000		200.000
1300	644.1420.S	Temporary Pedestrian Surface Plywood	SF	200.000		200.000
1310	644.1430.S	Temporary Pedestrian Surface Plate	SF	200.000		200.000
1320	644.1601.S	Temporary Curb Ramp	EACH	8.000		8.000
1330	644.1616.S	Temporary Pedestrian Safety Fence	LF	825.000		825.000
1340	645.0111	Geotextile Type DF Schedule A	SY	36.000		36.000
1350	645.0120	Geotextile Type HR	SY	55.000		55.000
1360	646.0106	Pavement Marking Epoxy 4-Inch	LF	12,077.000		12,077.000
1370	647.0256	Pavement Marking Symbols Epoxy	EACH	6.000		6.000
1380	647.0526	Pavement Marking Yield Line Symbols Epoxy 18-Inch	EACH	12.000		12.000
1390	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	51.000		51.000
1400	647.0656	Pavement Marking Parking Stall Epoxy	LF	186.000		186.000
1410	647.0776	Pavement Marking Crosswalk Epoxy 12-Inch	LF	524.000		524.000
1420	650.4000	Construction Staking Storm Sewer	EACH	70.000		70.000
1430	650.4500	Construction Staking Subgrade	LF	5,337.000		5,337.000
1440	650.5000	Construction Staking Base	LF	432.000		432.000
1450	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	284.000		284.000
1460	650.6000	Construction Staking Pipe Culverts	EACH	5.000		5.000
1470	650.7000	Construction Staking Concrete Pavement	LF	5,171.000		5,171.000
1480	650.9910	Construction Staking Supplemental Control (project) 01.	LS	1.000		1.000

					3897-00-69	3897-00-70
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
		3897-00-70				
1490	650.9920	Construction Staking Slope Stakes	LF	5,337.000		5,337.000
1500	690.0150	Sawing Asphalt	LF	2,808.000	545.000	2,263.000
1510	690.0250	Sawing Concrete	LF	1,113.000	40.000	1,073.000
1520	715.0415	Incentive Strength Concrete Pavement	DOL	5,063.000		5,063.000
1530	999.1000.S	Seismograph	LS	1.000		1.000
1540	999.1500.S	Crack and Damage Survey	LS	1.000		1.000
1550	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	425.000		425.000
1560	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	350.000		350.000
1570	SPV.0035	Special 01. Trench Rock Excavation	CY	100.000	100.000	
1580	SPV.0060	Special 01. Inlet Covers Type 2H	EACH	1.000		1.000
1590	SPV.0060	Special 03. Utility Line Opening (ULO)	EACH	9.000	4.000	5.000
1600	SPV.0060	Special 04. Remove Ex. Sanitary Manhole	EACH	13.000	13.000	
1610	SPV.0060	Special 05. Remove Ex. Gate Valve Box	EACH	14.000	14.000	
1620	SPV.0060	Special 06. Remove Ex. Hydrant	EACH	5.000	5.000	
1630	SPV.0060	Special 07. Sanitary Manhole	EACH	13.000	13.000	
1640	SPV.0060	Special 08. Sanitary Drop Manhole	EACH	1.000	1.000	
1650	SPV.0060	Special 09. Sanitary MH Covers Type J	EACH	14.000	14.000	
1660	SPV.0060	Special 10. Sanitary Wye 8-Inch Main	EACH	16.000	16.000	
1670	SPV.0060	Special 11. Water Valve & Box 4-Inch	EACH	1.000	1.000	
1680	SPV.0060	Special 12. Water Valve & Box 6-Inch	EACH	9.000	9.000	
1690	SPV.0060	Special 13. Water Valve & Box 8-Inch	EACH	14.000	14.000	
1700	SPV.0060	Special 14. Water Valve & Box 12-Inch	EACH	1.000	1.000	
1710	SPV.0060	Special 15. Fire Hydrant	EACH	9.000	9.000	
1720	SPV.0060	Special 16. Tees 8"x8"x8"	EACH	2.000	2.000	
1730	SPV.0060	Special 17. Tees 8"x6"x8"	EACH	9.000	9.000	
1740	SPV.0060	Special 18. Tees 12"x4"x12"	EACH	1.000	1.000	
1750	SPV.0060	Special 19. Tees 12"x12"x12"	EACH	1.000	1.000	
1760	SPV.0060	Special 20. Crosses 8"x8"	EACH	1.000	1.000	
1770	SPV.0060	Special 21. Crosses 12"x8"	EACH	1.000	1.000	
1780	SPV.0060	Special 22. Bend 11.25-Degree 6-Inch	EACH	1.000	1.000	
1790	SPV.0060	Special 23. Bend 11.25-Degree 8-Inch	EACH	3.000	3.000	
1800	SPV.0060	Special 24. Bend 22.5-Degree 8-Inch	EACH	8.000	8.000	
1810	SPV.0060	Special 25. Bend 45-Degree 8-Inch	EACH	14.000	14.000	
1820	SPV.0060	Special 26. Reducer 8"x6"	EACH	5.000	5.000	
1830	SPV.0060	Special 27. Reducer 12"x8"	EACH	2.000	2.000	
1840	SPV.0060	Special 28. Plug 8-Inch	EACH	1.000	1.000	
1850	SPV.0060	Special 29. Corporation, Curb Stop & Box (Set)	EACH	43.000	43.000	
1860	SPV.0060	Special 31. Concrete Collar/Headwall	EACH	1.000		1.000
1870	SPV.0060	Special 32. Connection to Residential Sump	EACH	1.000		1.000

					3897-00-69	3897-00-70
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
1880	SPV.0060	Special 33. Connection to Drain Tile	EACH	1.000		1.000
1890	SPV.0090	Special 01. Railing Pedestrian Steel	LF	664.000		664.000
1900	SPV.0090	Special 02. Fence Chain Link Polymer-Coated 4-FT	LF	282.000		282.000
1910	SPV.0090	Special 03. Modified Pedestrian Curb, 12-Inch	LF	153.000		153.000
1920	SPV.0090	Special 05. Forcemain Sewer Pipe 4-Inch	LF	500.000	500.000	
1930	SPV.0090	Special 06. Forcemain Sewer Pipe 6-Inch	LF	500.000	500.000	
1940	SPV.0090	Special 07. Sanitary Sewer Pipe 8-Inch	LF	873.000	873.000	
1950	SPV.0090	Special 08. Sanitary Lateral 4-Inch or 6-Inch	LF	425.000	425.000	
1960	SPV.0090	Special 09. Water Main 4-Inch PVC	LF	25.000	25.000	
1970	SPV.0090	Special 10. Water Main 6-Inch PVC	LF	172.000	172.000	
1980	SPV.0090	Special 11. Water Main 8-Inch PVC	LF	3,403.000	3,403.000	
1990	SPV.0090	Special 12. Water Main 8-Inch DI	LF	132.000	132.000	
2000	SPV.0090	Special 13. Water Main 12-Inch PVC	LF	136.000	136.000	
2010	SPV.0090	Special 14. Water Service 1-Inch To 2-Inch	LF	1,208.000	1,208.000	
2020	SPV.0105	Special 02. Concrete Pavement Joint Layout	LS	1.000		1.000
2030	SPV.0120	Special 01. Water for Seeded Areas	MGAL	170.000		170.000
2040	SPV.0165	Special 01. Wall Modular Block Gravity LRFD	SF	2,753.000		2,753.000
2050	SPV.0165	Special 02. Concrete Sidewalk Special	SF	2,756.000		2,756.000
2060	SPV.0165	Special 03. Coarse Aggregate Stone Mulch	SF	291.000		291.000
2070	SPV.0165	Special 04. Salvage and Reset Landscaping	SF	118.000		118.000
2080	SPV.0165	Special 05. Removing & Salvaging Modular Block Retaining Wall	SF	24.000		24.000
2090	SPV.0195	Special 01. Excavation, Hauling, Disposal and Dewatering of Contaminated Sediment	TON	1,255.000	1,230.000	25.000

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CLEARING AND GRUBBING

STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA	NOTES
22+50P - 23+50P	LT	1	1	OWNER TO KEEP LIMBS OVER 3" DIAMETER
31+00P - 32+00P	LT	1	1	--
39+25P - 40+90P	LT	2	2	OWNER TO KEEP LIMBS OVER 3" DIAMETER
41+00P - 42+00P	LT	1	1	CUT 10' SECTION
44+50P - 45+50P	RT	1	1	—
49+25 - 50+25	LT	1	1	CONIFEROUS TREE AT CORNER OF BLDG
51+00 - 52+00	RT	1	1	—
57+50 - 61+50	RT	4	4	—
64+50 - 67+50	LT	3	3	—
68+50 - 69+50	LT	1	1	—
UNDISTRIBUTED		2	2	—
TOTAL PROJECT 3897-00-70		18	18	

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	203.0200 REMOVING OLD STRUCTURE (30+02P) LS	LENGTH LF	REMARKS
23+00P - 23+26P	LT	1	---	26	18" CMP
25+72P - 26+23P	RT	1	---	51	18" CMP
28+56P - 28+82P	LT	1	---	26	18" CMP
30+02P	CROSS DRAIN	---	1	41	83" X 57" CMP
30+47P - 30+87P	RT	1	---	40	24" CMP
TOTAL PROJECT 3897-00-70		4	1		

REMOVING PAVEMENT & CURB

STATION	LOCATION	204.0100 REMOVING PAVEMENT SY	204.0150 REMOVING CURB & GUTTER LF
21+25P - 38+25P	MAINLINE	3,400	---
40+00P - 46+00P	MAINLINE	1,136	---
45+76P - 45+82P	NEAR SIDEWALK	3	---
45+73 - 56+30	MAINLINE & CURB	4,718	---
56+30 - 59+47	MAINLINE & CURB	836	---
59+47 - 70+55	MAINLINE & CURB	2,462	---
43+00P	CONC DRIVEWAY LT	27	---
59+47	CONC DRIVEWAY RT	18	---
60+12	CONC DRIVEWAY RT	53	---
63+55	CONC DRIVEWAY LT	23	---
30+38W - 30+51W	LT	---	13
30+20W - 30+51W	RT	---	31
40+17P - 41+67P	LT	---	150
45+96P - 46+43P	LT	---	47
46+08P - 46+43P	RT	---	35
45+05P - 45+94	RT	---	60
TOTAL PROJECT 3897-00-70		12,675	336

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

REMOVING SIDEWALK

STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY	204.0185 REMOVING MASONRY CY	REMARKS
39+62P - 41+67P	LT	96	—	—
43+19P	LT	1	—	—
45+43P	LT	3	—	—
44+85 - 46+43P	LT & STEPS	58	—	—
45+78 - 48+21	RT	256	—	—
46+22P - 47+73	RT, LT	149	—	—
46+00 - 47+45	LT	—	19	VERTICAL FACE OF WALL
47+97 - 54+20	LT	508	—	—
48+76 - 49+06	RT	11	—	—
49+92 - 51+42	RT	72	—	—
55+74 - 56+24	LT	26	—	—
56+65 - 56+87	LT	15	—	—
56+56 - 59+42	RT	114	—	—
59+51 - 60+00	RT	20	—	—
60+23 - 60+83	RT	25	—	—
58+08	LT STEPS	5	—	—
60+14	LT STEPS	5	—	—
60+80	LT STEPS	2	—	—
TOTAL PROJECT 3897-00-70		1,365	19	

REMOVING STRUCTURES

STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0291.S.01 ABANDONING SEWER CY
38+86P	12' RT	—	1	—
38+78P	7' LT	1	—	—
41+08P	11' RT	—	1	—
41+20P	31' RT	—	1	—
51+57 - 51+83	5.5' RT, 97.6' RT	—	—	35
52+07	20' LT	1	—	—
52+08	34' RT	—	1	—
51+83	98' RT	—	1	—
53+75	21' LT	—	1	—
53+74	21' RT	—	1	—
56+83	19' LT	1	—	—
53+75 - 56+83	21' LT, 19' LT	—	—	13
57+49	26' LT	—	1	—
57+97	52' LT	—	1	—
TOTAL PROJECT 3897-00-70		3	9	48

REMOVING ROADWAY BARRIER ITEMS

STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF
29+58P - 30+46P	RT	87.5
29+58P - 30+46P	LT	87.5
38+82P - 39+08P	RT	25
39+78P - 40+05P	RT	25
TOTAL PROJECT 3897-00-70		225

REMOVING STORM SEWER

STATION - STATION	LOCATION	204.0245.01 REMOVING STORM SEWER 8-INCH LF	204.0245.02 REMOVING STORM SEWER 10-INCH LF	204.0245.03 REMOVING STORM SEWER 12-INCH LF	204.0245.04 REMOVING STORM SEWER 15-INCH LF	204.0245.05 REMOVING STORM SEWER 18-INCH LF	204.0245.06 REMOVING STORM SEWER 24-INCH LF	204.0245.07 REMOVING STORM SEWER 36-INCH LF
25+53P - 26+00P	LT	—	—	—	—	47	—	—
26+00P - 26+10P	LT	—	—	—	10	—	—	—
30+12P - 38+86P	RT	—	—	—	—	—	874	—
33+86P	RT	16	—	—	—	—	—	—
38+86P - 38+78P	LT	—	—	—	—	—	20	—
38+86P - 41+08P	RT	—	—	222	—	—	—	—
41+08P - 41+20P	RT	24	—	—	—	—	—	—
52+08	LT & RT	—	—	—	—	—	54	—
51+83 - 52+08	RT	—	—	—	—	68	—	—
50+80 - 51+83	RT	—	—	—	—	—	—	138
52+08 - 53+75	LT & RT	—	—	—	—	174	—	—
53+75 - 53+74	LT & RT	—	42	—	—	—	—	—
56+83 - 57+49	LT	—	—	72	—	—	—	—
57+49 - 57+97	LT	—	—	61	—	—	—	—
TOTAL PROJECT 3897-00-70		40	42	355	10	289	948	138

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

REMOVING FENCE, RAILING, AND LANDSCAPING

STATION	LOCATION	204.0170 REMOVING FENCE LF	204.9090.S.03 REMOVING TUBULAR RAILING LF	204.9090.S.04 REMOVING WOOD RAILING LF
45+97 - 46+00	LT	—	3	—
45+99 - 47+26	LT	—	130	—
47+33 - 47+69	LT	—	36	—
50+39 - 50+51	RT	—	—	12
52+33	LT	—	—	—
52+42	LT	—	—	—
60+12	LT	—	—	7
59+18 - 59+41	RT	23	—	—
TOTAL PROJECT 3897-00-70		23	169	19

REMOVING RETAINING WALL

STATION	LOCATION	204.9090.S.01 REMOVING CONCRETE BLOCK RETAINING WALL LF	204.9090.S.02 REMOVING TIMBER RETAINING WALL LF	204.9090.S.05 REMOVING STONE WALL LF	204.9105.S.01 REMOVING BOULDERS LS	SPV.0165.05 REMOVING & SALVAGING MODULAR BLOCK RETAINING WALL SF
42+85P	LT	—	—	20	—	—
44+32P - 44+54P	LT	22	—	—	—	—
45+04P	RT	—	20	—	—	—
59+20	LT	—	—	—	—	24
60+25 - 60+82	RT	—	—	—	1	—
TOTAL PROJECT 3897-00-70		22	20	20	1	24

REMOVING UNDERDRAIN

STATION	LOCATION	204.9090.S.06 REMOVING UNDERDRAIN LF
38+25P - 40+00P	LT & RT	350
TOTAL PROJECT 3897-00-70		350

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)	Unexpanded Fill	Expanded Fill (13) Factor 1.25	Mass Ordinate +/- (14)	Waste	208.0100 Borrow	Comment:
Division 1												
	21+25P - 46+425P	Pleasant Street	6,895		925	5,970	812	1,014	4,956	4,956		
	20+25I - 20+49I	Industrial Drive	71		0	71	8	10	62	62		
	30+25W - 30+50W	Westgate Drive	49		0	49	12	15	34	34		
	20+33B - 20+&5B	Burkwald Avenue	81		0	81	4	4	77	77		
	20+25PS - 20+36.72PS	Park Street	23		0	23	0	0	23	23		
	EBS (25+46P - 35+54P)	Undistributed		2,748								
Division 1 Subtotal			7,120	2,748	925	6,195	835	1,043	5,152			
Division 2												
	44+85 - 70+55	Main Street	4,490		992	3,498	458	573	2,925	2,925		
	20+32HS - 20+46HS	Herman Street	24		0	24	0	0	24	24		
	21+06H - 21+60H	Highland Street	82		0	82	7	9	73	73		
	20+28A - 20+40A	Albert Street	19		0	19	1	1	18	18		
	EBS (49+00 - 56+76)	Undistributed		2,494								
Division 2 Subtotal			4,615	2,494	992	3,624	467	583	3,041		0	
Grand Total			11,735	5,242	1,917	9,819	1,301	1,626	8,192	0	0	
Total Common Exc			16,977									

Notes:

(1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100

(2) Salvaged/Unsuable Pavement Material is included in Cut.

(3) EBS Excavation to be backfilled with Breaker Run.

(4) Salvaged/Unusable Pavement Material

5) Available Material = Cut - Salvaged/Unusuable Pavement Material

(13) Expanded Fill Factor = 1.25

Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**

Or Expanded Fill = (Unexpanded Fill - Rock * Rock Factor - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock * Rock Factor - Reduced Marsh) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock * Rock Factor) * Fill Factor

(14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

3

BASE AGGREGATE ITEMS

STATION - STATION	209.2500 BACKFILL GRANULAR GRADE 2 TON	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	** 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110 BREAKER RUN TON	312.0110 SELECT CRUSHED MATERIAL TON	623.0200 DUST CONTROL SURFACE TREATMENT SY	** 624.0100 WATER MGAL	** 650.5000 CONSTRUCTION STAKING BASE LF
21+25P - 46+42.65P	—	170	4,978	—	—	7,609	77	—
46+00 - 70+55	—	65	5,085	—	—	8,672	77	—
20+25I - 20+49.64I	—	—	38	—	18	163	1	32
30+25W - 30+50W	—	—	62	—	—	153	1	38
20+33.20B - 20+75B	—	—	85	—	—	228	1	53
20+25PS - 20+36.72PS	—	—	22	—	—	76	0	23
20+31.90HS - 20+46.38HS	—	—	23	—	—	76	0	15
21+06H - 21+60H	—	—	81	—	—	198	1	122
20+27.96A - 20+40.29A	—	—	25	—	—	71	0	17
30+02P	1704	—	—	—	—	—	26	—
EBS (25+46P - 35+54P)	—	—	—	5,222	—	—	—	—
EBS (49+00 - 56+76)	—	—	—	4,738	—	—	—	—
38+47P - 39+80P	—	—	—	—	265	—	—	—
UNDISTRIBUTED	—	47	2,080	—	—	3,450	32	—
TOTAL PROJECT 3897-00-70	1,704	282	12,479	9,960	283	20,698	217	300

NOTE: BASE AGGREGATE DENSE (3/4-INCH & 1 1/4-INCH) WERE CALCULATED USING 2.0 TONS/CY.
NOTE: BACKFILL GRANULAR WAS CALCULATED USING 1.7 TONS/CY.
NOTE: EBS LOCATIONS ARE ESTIMATED USING THE SOIL BORINGS. ESTIMATED AT 2' DEPTH.
**ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE PAVEMENT ITEMS

STATION - STATION	415.0060 CONCRETE PAVEMENT 6-INCH SY	415.0080 CONCRETE PAVEMENT 8-INCH SY	415.1080 CONCRETE PAVEMENT HES 8-INCH SY	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF
21+28.00P - 38+47.88P	—	5,224	—	1,720
30+13.02W - 30+50.89W	—	153	—	38
20+44.08I - 20+75.73I	—	163	—	32
20+33.00B - 20+85.99B	—	228	—	53
39+79.56P - 46+42.65P	—	2,024	—	663
20+14+00PS - 20+36.77PS	—	76	—	23
45+37.56 - 45+51.02	—	51	—	13
45+76.98 - 70+52.00	—	8,612	—	2,475
20+31.85HS - 20+46.38HS	—	76	—	15
21+06.74H - 22+28.87H	—	198	—	122
20+23.77A - 20+40.56A	—	71	—	17
38+78.76P - 39+06.23P	13	—	—	—
39+23.63P - 39+54.60P	13	—	—	—
UNDISTRIBUTED	—	—	2500	
TOTAL PROJECT 3897-00-70	26	16,878	2,500	5,171

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

CONCRETE PAVEMENT GAPS

LOCATION	415.0210 CONCRETE PAVEMENT GAPS EACH
WESTGATE DRIVE	1
INDUSTRIAL DRIVE	1
BURKWALD AVENUE	1
PARK STREET	1
N MAIN STREET	1
HERMAN STREET	1
HIGHLAND AVENUE	1
ALBERT STREET	1
TOTAL PROJECT 3897-00-70	8

CONCRETE DRIVEWAY

STATION	LOCATION	** 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	416.0160 CONCRETE DRIVEWAY 6-INCH SY	** 624.0100 WATER MGAL
28+75P	LT	4	20	0.06
32+00P	LT	4	20	0.06
33+68P	LT	3	15	0.05
34+25P	LT	6	28	0.09
34+75P	LT	6	28	0.09
35+25P	LT	6	28	0.09
36+25P	RT	6	28	0.09
36+85P	LT	6	28	0.09
37+75P	RT	16	74	0.24
42+25P	RT	6	25	0.09
43+00P	LT	7	31	0.11
44+25P	LT	5	24	0.08
44+80P	RT	6	28	0.09
46+20	RT	3	12	0.05
47+80	LT	8	34	0.12
48+20	RT	6	28	0.09
49+40	RT	6	26	0.09
49+40	LT	3	13	0.05
49+80	RT	3	15	0.05
49+90	LT	2	10	0.03
51+60	LT	4	16	0.06
52+20	RT	5	22	0.08
52+60	RT	4	19	0.06
52+60	LT	7	32	0.11
53+60	LT	3	15	0.05
53+80	LT	5	23	0.08
54+00	RT	7	29	0.11
56+25	LT	5	22	0.08
21+50H	LT	2	11	0.03
59+25	LT	4	16	0.06
59+50	RT	3	15	0.05
59+65	LT	3	13	0.05
60+10	RT	10	44	0.15
60+50	LT	6	28	0.09
63+65	LT	6	26	0.09
TOTAL PROJECT 3897-00-70		186	847	2.8

**ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALT PAVEMENT ITEMS

STATION - STATION	LOCATION	THICKNESSS INCHES	465.0105 ASPHALTIC SURFACE TON	415.6000.S ROUT AND SEAL LF
21+25.00P - 25+46.00P	LT	4	42	421
21+25.00P - 25+46.00P	RT	4	42	421
21+25P - 21+28P	MAINLINE	4.5	3	—
30+50.89W - 30+53.89W	MAINLINE	4.5	3	—
20+41.08I - 20+44.08I	MAINLINE	4.5	3	—
20+34.55I - 20+41.08I	RT	4.5	0.4	—
20+25.00I - 20+41.08I	LT	4.5	1	—
38+47.88P - 39+79.56P	MAINLINE	4.5	89	—
20+36.77PS - 20+39.77PS	MAINLINE	4.5	2	—
44+53P - 45+40P	LT	2	3	—
45+95P - 46+43P	LT	4	2	—
46+43P - 46+46P	MAINLINE	4.5	2	—
45+34.56 - 45+37.56	MAINLINE	4.5	2	—
20+89H - 21+11H	LT	4	1	—
20+46.38HS - 20+49.38HS	MAINLINE	4.5	2	—
21+03.74H - 21+06.74H	MAINLINE	4.5	2	—
20+40.56A - 20+43.56A	MAINLINE	4.5	2	—
70+50	LT	4	2	—
70+52 - 70+55	MAINLINE	4.5	2	—
TOTAL PROJECT 3897-00-70			206	842

ASPHALTIC FLUMES

STATION	LOCATION	465.0315 ASPHALTIC FLUMES SY
29+40P	RT	16
TOTAL PROJECT 3897-00-70		16

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

ASPHALTIC DRIVEWAYS

STATION	LOCATION	BASE THICKNESS INCHES	** 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	ASPHALT THICKNESS INCHES	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	** 624.0100 WATER MGAL
21+50P	LT	4	3	2	1.4	0.05
23+13P	LT	4	8	2	4.0	0.12
28+75P	LT	4	6	2	2.8	0.09
30+75P	RT	4	9	2	4.5	0.14
30+75P	RT	6	31	—	—	0.47
31+50P	RT	4	3	2	1.4	0.05
32+00P	LT	4	4	2	1.7	0.06
33+00P	RT	4	10	2	5.1	0.15
33+40P - 35+05P	RT	4	35	2	17.4	0.53
33+68P	LT	4	1	2	0.4	0.02
33+75P	RT	4	8	2	4.2	0.12
34+25P	LT	4	6	2	3.2	0.09
34+38P - 34+67P	LT	4	5	2	2.4	0.08
34+75P	LT	4	4	2	2.0	0.06
35+02P - 35+14P	LT	4	1	2	0.7	0.02
35+25P	LT	4	5	2	2.3	0.08
35+48P - 36+70P	LT	4	19	2	9.3	0.29
35+50P - 37+43P	RT	4	39	2	19.3	0.59
36+85P	LT	4	5	2	2.3	0.08
37+05P - 38+12P	LT	4	17	2	8.2	0.26
37+75P	RT	4	18	2	8.9	0.27
42+25P	RT	4	13	2	6.4	0.20
44+25P	LT	4	7	2	3.5	0.11
44+37P	LT	—	—	6	2.0	—
44+80P	RT	4	10	2	4.8	0.15
47+88 - 49+92	RT	4	32	2	15.9	0.48
48+20	RT	4	8	2	4.1	0.12
49+40	RT	4	15	2	7.5	0.23
49+80	RT	4	8	2	4.2	0.12
49+90	LT	4	0.0	2	0.1	0.00
51+65 - 52+13	SS RT	4	187	2	92.5	2.81
52+20	RT	4	7	2	3.5	0.11
52+41 - 54+16	RT	4	27	2	13.3	0.41
52+60	RT	4	2	2	1.1	0.03
54+00	RT	4	8	2	3.9	0.12
56+25	LT	4	5	2	2.6	0.08
21+50H	LT	4	1	2	0.7	0.02
21+50H	LT	6	5	—	—	0.08
59+25	LT	4	2	2	1.0	0.03
59+65	LT	4	2	2	1.0	0.03
59+65	LT	6	1	—	—	0.02
60+50	LT	4	5	2	2.5	0.08
69+00	RT	4	14	2	7.1	0.21
TOTAL PROJECT 3897-00-70			596		280	8.9

**ADDITIONAL QUANTITIES LISTED ELSEWHERE

TEMPORARY SHORING

STATION	LOCATION	511.1100 TEMPORARY SHORING SF
38+75P - 39+50P	RT	750
41+04P - 41+66P	LT	186
TOTAL PROJECT 3897-00-70		936

3

STORM SEWER ENDWALLS

STRUCTURE NO.	STATION	LOCATION	INVERT ELEV.	522.1021 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 21-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	** 633.5200 MARKERS CULVERT END EACH	** 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	SPV.0060.31 CONCRETE COLLAR/ HEADWALL EACH	*** PIPE JOINT TIES EACH
3.1	29+20.04P	25.54' RT	890.63	1	---	1	1	---	6
4.0	30+15.20P	36.60' RT	887.70	---	1	1	1	---	6
17.3	52+07.25	30.50' LT	EXISTING	---	---	---	---	1	
TOTAL PROJECT 3897-00-70				1	1	2	2	1	12

NOTE: TIE THE LAST THREE SECTIONS OF PIPE AND APRON ENDWALL.
** ADDITIONAL QUANTITIES LISTED ELSEWHERE
*** NON-BID ITEM, FOR INFORMATION ONLY

CULVERT SUMMARY

STATION	LOCATION	INVERT ELEV.	MINIMUM THICKNESS STEEL INCHES	520.1018 APRON ENDWALLS FOR CULVERT PIPE 18-INCH EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.3318 CULVERT PIPE CLASS III-A 18-INCH LF	520.3324 CULVERT PIPE CLASS III-A 24-INCH LF	521.1283 APRON ENDWALLS FOR PIPE ARCH STEEL 83X57-INCH EACH	529.0383 PIPE ARCH CORRUGATED STEEL ALUMINUM COATED 83x57-INCH LF	** 633.5200 MARKERS CULVERT END EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH
23+07P	27.1' LT	906.48	0.064	1	---	18	---	---	---	1	1
23+25P	25.6' LT	905.72	---	1	---	---	---	---	---	1	---
20+49I	34.8' LT	895.75	0.064	1	---	66	---	---	---	1	1
20+50I	31.6' RT	895.30	---	1	---	---	---	---	---	1	---
28+51P	27.7' LT	892.78	0.064	1	---	36	---	---	---	1	1
28+87P	28.1' LT	892.61	---	1	---	---	---	---	---	1	---
30+02P	32.5' LT	888.01	0.168	---	---	---	---	1	68	1	1
30+02P	35.0' RT	886.99	---	---	---	---	---	1	---	1	---
30+23P	45.7' RT	892.17	0.064	---	1	---	66	---	---	1	1
30+86P	28.6' RT	893.83	---	---	1	---	---	---	---	1	---
TOTAL PROJECT 3897-00-70				6	2	120	66	2	68	10	5

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\030201-MQ.DWG
LAYOUT NAME - ****
PLOT DATE : 1/5/2017 8:58 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

3

CURB AND GUTTER

STATION - STATION	LOCATION	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	SPV.0090.03 MODIFIED PEDESTRIAN CURB, 12-INCH LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
25+46P - 25+64P	LT	47	—	—	—	—
25+45P - 25+73P	RT	45	—	—	—	—
26+11P - 26+39P	RT	46	—	—	—	—
20+25I - 20+44I	LT	—	19	—	—	19
20+35I - 20+44I	RT	—	10	—	—	10
26+00P - 38+48P	LT	1276	—	—	—	—
29+50P - 35+05P	RT	566	—	—	—	—
35+49P - 38+48P	RT	309	—	—	—	—
38+48P - 38+79P	RT	—	31	—	—	31
39+55P - 39+79P	LT	—	25	—	—	25
39+79P - 41+76P	LT	211	—	—	—	—
39+80P - 45+31P	RT	551	—	—	—	—
42+06P - 45+52P	LT	366	—	—	—	—
43+03P - 43+06P	LT	—	—	—	9	9
44+99P - 45+10P	RT	—	—	—	20	20
45+10P - 45+41P	RT	—	—	32	—	32
45+81P - 46+43P	LT	68	—	—	—	—
46+11P - 46+13P	LT	—	—	2	—	2
46+03P - 46+43P	RT	40	—	—	—	—
44+90 - 45+02	LT	—	—	12	—	12
45+78 - 61+70	RT	1611	—	—	—	—
45+89 - 57+03	LT	1124	—	—	—	—
57+29 - 57+83	LT	75	—	—	—	—
57+93 - 61+88	LT	428	—	—	—	—
59+79 - 60+34	LT	—	—	—	53	53
61+00 - 61+73	LT	—	—	—	71	71
62+15 - 70+46	LT	844	—	—	—	—
TOTAL PROJECT 3897-00-70		7,607	85	46	153	284

CONCRETE SIDEWALK

STATION	LOCATION	** 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.1500 CONCRETE STEPS SF	513.2050.S.01 RAILING PIPE LF	SPV.0165.02 CONCRETE SIDEWALK SPECIAL SF	** 624.0100 WATER MGAL
26+04.34P - 38+04.07P	LT	133	5,453	12	—	—	581	2.00
35+54.26P - 38+78.80P	RT	27	1,087	—	—	—	—	0.40
35+70P	LT	—	—	10	—	—	—	—
35+70P	RT	—	—	10	—	—	—	—
38+01P	LT	—	—	10	—	—	—	—
38+58P	RT	—	—	10	—	—	—	—
39+32.04P - 41+73.55P	LT	33	1,342	—	—	—	—	0.49
39+57P	LT	—	—	10	—	—	—	—
40+13P	RT	—	—	10	—	—	—	—
40+62P	LT	—	—	—	112	21	—	—
41+68.80P	LT	—	—	12	—	—	—	—
42+12.66P	LT	—	—	12	—	—	—	—
39+79.56P - 45+46.05P	RT	70	2,876	—	—	—	—	1.05
42+08.25P - 44+00.53P	LT	25	1,023	—	—	—	—	0.38
44+30.53P - 44+52.97P	LT	10	—	—	—	—	131	0.15
44+52.97P - 44+80P	LT	4	162	—	—	—	—	0.06
44+80P - 45+39P	LT	26	—	—	—	—	354	0.39
45+39P - 45+50P	LT	2	76	—	—	—	—	0.03
45+42.95P	LT	—	—	10	—	—	—	—
45+40.86P	RT	—	—	10	—	—	—	—
45+88.84P	LT	—	—	10	—	—	—	—
45+95.18P	RT	—	—	10	—	—	—	—
45+83.87P - 46+42.65P	LT	6	262	—	—	—	—	0.10
45+91.43P - 46+22.86P	RT	4	170	—	—	—	—	0.06
44+84.57 - 45+42.94	LT	6	226	—	—	—	—	0.08
45+79.83 - 56+76.36	RT	150	6,122	—	—	—	—	2.24
45+92.48 - 47+73.22	LT	12	495	—	—	—	—	0.18
45+95.11 - 47+60.85	LT	125	—	—	—	—	1,690	1.88
47+97.22 - 54+20.00	LT	93	3,823	—	—	—	—	1.40
55+74.00 - 56+86.68	LT	12	491	—	—	—	—	0.18
56+73	RT	—	—	10	—	—	—	—
56+73	LT	—	—	10	—	—	—	—
20+98.93H - 61+84.08	LT	48	1,980	—	—	—	—	0.73
21+26.00H	LT	—	—	—	14	7	—	—
60+81.00	LT	—	—	—	4	—	—	—
61+78.61	LT	—	—	12	—	—	—	—
62+24.64	LT	—	—	12	—	—	—	—
62+17.59 - 70+60.70	LT	121	4,938	—	—	—	—	1.81
UNDISTRIBUTED		24	1,000	—	—	—	—	0.37
TOTAL PROJECT 3897-00-70		932	31,526	180	130	28	2,756	13.98

**ADDITIONAL QUANTITIES LISTED ELSEWHERE

RIPRAP ITEMS

STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY
29+97P - 30+25P	RT	15	40
29+95P - 30+09P	LT	5	15
TOTAL PROJECT 3897-00-70		20	55

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

STORM SEWER PIPES

STRUCTURE TO STRUCTURE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0348 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	610.0138 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE III 38 X 60-INCH LF
1.0 - 2.0	—	—	22	—	—	—	—	—	—	—
2.0 - 2.1	—	—	—	35	—	—	—	—	—	—
2.1 - 2.2	—	—	—	49	—	—	—	—	—	—
2.2 - 3.0	—	—	—	300	—	—	—	—	—	—
3.0 - 3.1	—	—	—	28	—	—	—	—	—	—
3.3 - 3.2	12	—	—	—	—	—	—	—	—	—
3.2 - 3.0	21	—	—	—	—	—	—	—	—	—
4.0 - 5.0	—	—	—	—	—	—	33	—	—	—
5.0 - 6.0	—	—	—	—	—	—	225	—	—	—
6.0 - 6.1	21	—	—	—	—	—	—	—	—	—
6.0 - 6.2	10	—	—	—	—	—	—	—	—	—
6.0 - 7.0	—	—	—	—	—	—	136	—	—	—
7.0 - 7.1	28	—	—	—	—	—	—	—	—	—
7.0 - 8.0	—	—	—	—	—	—	214	—	—	—
8.0 - 8.1	10	—	—	—	—	—	—	—	—	—
8.0 - 8.2	21	—	—	—	—	—	—	—	—	—
8.0 - 9.0	—	—	—	—	—	—	264	—	—	—
9.0 - 9.1	—	—	11	—	—	—	—	—	—	—
9.1 - 9.2	4	—	—	—	—	—	—	—	—	—
9.2 - 9.3	4	—	—	—	—	—	—	—	—	—
9.3 - 9.4	4	—	—	—	—	—	—	—	—	—
9.0 - 10.0	—	—	—	—	—	—	161	—	—	—
10.0 - 10.1	21	—	—	—	—	—	—	—	—	—
10.1 - 10.2	20	—	—	—	—	—	—	—	—	—
10.0 - 10.3	8	—	—	—	—	—	—	—	—	—
10.3 - 10.4	20	—	—	—	—	—	—	—	—	—
10.0 - 11.0	—	—	95	—	—	—	—	—	—	—
11.0 - 11.1	28	—	—	—	—	—	—	—	—	—
11.1 - 11.2	20	—	—	—	—	—	—	—	—	—
11.0 - 11.3	—	—	10	—	—	—	—	—	—	—
11.3 - 11.4	—	—	16	—	—	—	—	—	—	—
11.0 - 12.0	—	140	—	—	—	—	—	—	—	—
12.0 - 12.1	21	—	—	—	—	—	—	—	—	—
12.1 - 12.2	20	—	—	—	—	—	—	—	—	—
12.0 - 12.3	10	—	—	—	—	—	—	—	—	—
12.3 - 12.4	20	—	—	—	—	—	—	—	—	—
12.0 - 13.0	—	248	—	—	—	—	—	—	—	—
13.0 - 13.1	21	—	—	—	—	—	—	—	—	—
13.1 - 13.2	10	—	—	—	—	—	—	—	—	—
13.0 - 13.3	10	—	—	—	—	—	—	—	—	—
13.3 - 13.4	10	—	—	—	—	—	—	—	—	—
14.0 - 15.0	—	—	—	—	—	—	—	—	—	115
15.0 - 16.0	—	—	—	—	—	—	—	—	—	89
16.0 - 17.0	—	—	—	—	—	—	—	—	14	—
17.0 - 17.1	—	—	42	—	—	—	—	—	—	—
17.1 - 17.2	11	—	—	—	—	—	—	—	—	—
17.0 - 17.3	—	—	10	—	—	—	—	—	—	—
17.0 - 18.0	—	—	—	—	—	142	—	—	—	—
18.0 - 18.1	—	—	26	—	—	—	—	—	—	—
18.1 - 18.2	—	7	—	—	—	—	—	—	—	—
18.0 - 19.0	—	—	—	—	109	—	—	—	—	—
19.0 - 20.0	—	—	—	—	126	—	—	—	—	—
20.0 - 20.1	21	—	—	—	—	—	—	—	—	—
20.0 - 20.2	10	—	—	—	—	—	—	—	—	—
20.0 - 21.0	—	—	—	—	105	—	—	—	—	—
21.0 - 21.1	—	—	24	—	—	—	—	—	—	—
21.0 - 22.0	—	117	—	—	—	—	—	—	—	—
22.0 - 22.1	48	—	—	—	—	—	—	—	—	—
22.0 - 22.2	10	—	—	—	—	—	—	—	—	—
22.2 - 22.3	9	—	—	—	—	—	—	—	—	—

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

CONTINUED ON NEXT PAGE

CONTINUED FROM PREVIOUS PAGE

STORM SEWER PIPES

STRUCTURE TO STRUCTURE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0348 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 48-INCH LF	610.0138 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE III 38 X 60-INCH LF
22.0 - 23.0	---	97	---	---	---	---	---	---	---	---
23.0 - 24.0	---	90	---	---	---	---	---	---	---	---
24.0 - 24.1	21	---	---	---	---	---	---	---	---	---
24.1 - 24.2	10	---	---	---	---	---	---	---	---	---
17.0 - 25.0	---	---	---	---	---	---	---	46	---	---
25.0 - 26.0	257	---	---	---	---	---	---	---	---	---
26.0 - 26.1	26	---	---	---	---	---	---	---	---	---
26.0 - 26.2	15	---	---	---	---	---	---	---	---	---
TOTAL PROJECT 3897-00-70	812	699	256	412	340	142	1033	46	14	204

STORM SEWER STRUCTURES

STRUCTURE NO.	STATION	LOCATION	GRATE ELEV.	TOP OF STRUCTURE ELEV.	INVERT ELEV.	STRUCTURE DEPTH	611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	SPV.0060.01 INLET COVERS TYPE 2H EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.2066 MANHOLES 6 X 6-FT EACH	611.3230 INLETS 2X3-FT EACH	** 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
2.0	30+44.52W	17.45' LT	899.19	898.19	894.83	3.36	—	—	1	—	—	—	—	—	—	—	1	1
2.1	30+43.37W	17.45' RT	898.87	897.87	894.66	3.21	—	—	1	—	—	—	—	—	—	—	1	1
2.2	26+00.00P	5.50' RT	899.58	898.33	894.41	3.92	1	—	—	—	—	1	—	—	—	—	—	1
3.0	29+00.00P	5.50' RT	895.13	893.88	890.99	2.89	1	—	—	—	—	1	—	—	—	—	—	1
3.3	28+88.00P	15.50' LT	895.54	894.54	892.22	2.32	—	—	1	—	—	—	—	—	—	—	1	1
3.2	29+00.00P	15.50' LT	895.39	894.39	892.16	2.23	—	—	1	—	—	—	—	—	—	—	1	1
5.0	30+25.00P	5.50' RT	895.74	894.49	887.85	6.64	1	—	—	—	—	—	—	1	—	—	—	1
6.0	32+50.00P	5.50' RT	897.91	896.66	888.86	7.80	1	—	—	—	—	—	—	1	—	—	—	1
6.1	32+50.00P	15.50' LT	897.54	896.54	894.40	2.14	—	—	1	—	—	—	—	—	—	—	1	1
6.2	32+50.00P	15.50' RT	897.56	896.56	894.18	2.38	—	—	1	—	—	—	—	—	—	—	1	1
7.0	33+86.39P	5.50' RT	900.67	899.42	889.47	9.95	1	—	—	—	—	—	—	1	—	—	—	1
8.0	36+00.00P	5.50' RT	901.46	900.21	890.43	9.78	1	—	—	—	—	—	—	1	—	—	—	1
8.1	36+00.00P	15.50' RT	901.42	900.42	897.00	3.42	—	—	1	—	—	—	—	—	—	—	1	1
8.2	36+00.00P	15.50' LT	900.86	899.86	896.44	3.42	—	—	1	—	—	—	—	—	—	—	1	1
9.0	38+64.24P	3.50' RT	897.84	896.59	891.62	4.97	1	—	—	—	—	—	—	1	—	—	—	1
9.1	38+64.25P	14.12' RT	897.42	896.42	893.34	3.08	—	—	1	—	—	—	—	—	—	—	1	1
9.2	38+68.09P	13.92' RT	897.29	896.29	893.40	2.89	—	—	1	—	—	—	—	—	—	—	1	1
9.3	38+71.84P	13.74' RT	897.18	896.18	893.46	2.72	—	—	1	—	—	—	—	—	—	—	1	1
9.4	38+75.75P	13.54' RT	897.20	896.20	893.52	2.68	—	—	1	—	—	—	—	—	—	—	1	1
10.0	40+24.99P	5.49' RT	902.39	901.14	892.34	8.80	1	—	—	—	—	—	1	—	—	—	—	1
10.1	40+25.00P	15.50' LT	901.98	900.98	898.04	2.94	—	—	1	—	—	—	—	—	—	—	1	1
10.2	40+45.00P	15.50' LT	903.29	902.29	898.44	3.85	—	—	1	—	—	—	—	—	—	—	1	1
10.3	40+25.00P	15.50' RT	901.98	900.98	897.82	3.16	—	—	1	—	—	—	—	—	—	—	1	1
10.4	40+45.00P	15.50' RT	903.29	902.29	898.39	3.90	—	—	1	—	—	—	—	—	—	—	1	1
11.0	41+20.24P	5.50' RT	908.62	907.37	903.71	3.66	1	—	—	—	—	—	—	—	1	—	—	1
11.1	41+38.00P	15.50' LT	909.67	908.67	906.01	2.66	—	—	1	—	—	—	—	—	—	—	1	1
11.2	41+58.00P	15.50' LT	910.84	909.84	906.41	3.43	—	—	1	—	—	—	—	—	—	—	1	1
11.3	41+20.24P	15.50' RT	908.23	907.23	903.81	3.42	—	—	1	—	—	—	—	—	—	—	1	1
12.0	42+60.01P	5.52' RT	918.63	917.38	913.68	3.70	1	—	—	—	1	—	—	—	—	—	—	1
12.1	42+60.00P	15.49' LT	918.26	917.26	914.35	2.91	—	—	1	—	—	—	—	—	—	—	1	1
12.2	42+80.00P	15.50' LT	919.72	918.72	914.75	3.97	—	—	1	—	—	—	—	—	—	—	1	1
12.3	42+60.01P	15.51' RT	918.26	917.26	914.36	2.90	—	—	1	—	—	—	—	—	—	—	1	1
12.4	42+80.01P	15.50' RT	919.71	918.71	915.22	3.49	—	—	1	—	—	—	—	—	—	—	1	1
13.0	45+08.00P	5.50' RT	937.34	936.09	932.17	3.92	1	—	—	—	1	—	—	—	—	—	—	1
13.1	45+08.00P	15.50' LT	937.21	936.21	933.48	2.73	—	—	1	—	—	—	—	—	—	—	1	1

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STORM SEWER STRUCTURES

STRUCTURE NO.	STATION	LOCATION	GRATE ELEV.	TOP OF STRUCTURE ELEV.	INVERT ELEV.	STRUCTURE DEPTH	611.0530 MANHOLE COVERS TYPE J EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	SPV.0060.01 INLET COVERS TYPE 2H EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.2066 MANHOLES 6 X 6-FT EACH	611.3230 INLETS 2X3-FT EACH	** 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
13.2	45+18.00P	15.50' LT	938.10	937.10	933.99	3.11	—	—	1	—	—	—	—	—	—	—	1	1
13.3	45+08.00P	15.50' RT	936.96	935.96	933.01	2.95	—	—	1	—	—	—	—	—	—	—	1	1
13.4	45+18.00P	15.50' RT	937.77	936.77	933.59	3.18	—	—	1	—	—	—	—	—	—	—	1	1
14.0	50+79.54	189.44' RT	923.41	922.16	915.12	7.04	—	1	—	—	—	—	—	—	1	—	—	1
15.0	51+70.27	118.97' RT	924.54	923.29	916.28	7.01	—	1	—	—	—	—	—	—	1	—	—	1
16.0	51+96.03	33.65' RT	924.84	923.59	917.18	6.41	—	1	—	—	—	—	—	—	1	—	—	1
17.0	52+00.00	20.50' RT	925.29	924.29	916.99	7.30	—	—	—	1	—	—	—	—	—	1	—	1
17.1	52+07.25	20.50' LT	925.69	924.69	921.08	3.61	—	—	1	—	—	—	—	—	—	—	1	1
17.2	52+18.45	20.50' LT	925.82	924.82	921.65	3.17	—	—	1	—	—	—	—	—	—	—	1	1
18.0	53+42.00	5.50' RT	926.60	925.35	919.73	5.62	1	—	—	—	—	1	—	—	—	—	—	1
18.1	53+42.13	20.17' LT	925.73	924.73	920.94	3.79	—	—	1	—	—	—	—	—	—	—	1	1
18.2	53+49.53	19.66' LT	925.70	924.70	921.25	3.45	—	—	1	—	—	—	—	—	—	—	1	1
19.0	54+50.00	5.50' RT	927.73	926.48	922.36	4.12	1	—	—	—	1	—	—	—	—	—	—	1
20.0	55+75.00	5.50' RT	930.65	929.40	924.21	5.19	1	—	—	—	1	—	—	—	—	—	—	1
20.1	55+75.00	15.50' LT	930.22	929.22	925.63	3.59	—	—	1	—	—	—	—	—	—	—	1	1
20.2	55+75.00	15.50' RT	930.37	929.37	925.78	3.59	—	—	1	—	—	—	—	—	—	—	1	1
21.0	56+80.00	5.50' RT	933.69	932.44	928.03	4.41	1	—	—	—	1	—	—	—	—	—	—	1
21.1	56+82.74	18.45' LT	934.23	933.23	928.81	4.42	—	—	1	—	—	1	—	—	—	—	—	1
22.0	58+00.00	5.50' RT	937.78	936.53	931.83	4.70	1	—	—	—	1	—	—	—	—	—	—	1
22.1	58+07.15	41.92' LT	940.52	939.52	935.05	4.47	—	—	1	—	—	—	—	—	—	—	1	1
22.2	58+00.00	15.50' RT	937.27	936.27	932.28	3.99	—	—	1	—	—	—	—	—	—	—	1	1
22.3	58+10.00	15.50' RT	937.58	936.58	932.47	4.11	—	—	1	—	—	—	—	—	—	—	1	1
23.0	59+00.00	5.50' RT	940.36	939.11	935.15	3.96	1	—	—	—	1	—	—	—	—	—	—	1
24.0	59+90.00	5.50' RT	942.01	940.76	936.23	4.53	1	—	—	—	1	—	—	—	—	—	—	1
24.1	59+90.00	15.50' LT	941.56	940.56	936.90	3.66	—	—	1	—	—	—	—	—	—	—	1	1
24.2	60+00.00	15.50' LT	941.62	940.62	937.09	3.53	—	—	1	—	—	—	—	—	—	—	1	1
25.0	51+56.84	5.50' RT	926.34	925.09	919.09	6.00	1	—	—	—	—	—	—	1	—	—	—	1
26.0	49+00.00	5.50' RT	934.91	933.66	929.62	4.04	1	—	—	—	1	—	—	—	—	—	—	1
26.1	49+00.00	20.50' LT	935.45	934.45	931.06	3.39	—	—	1	—	—	—	—	—	—	—	1	1
26.2	49+00.00	20.50' RT	934.31	933.31	929.92	3.39	—	—	1	—	—	—	—	—	—	—	1	1
		TOTAL PROJECT 3897-00-70					20	3	41	1	9	4	1	6	4	1	40	65

** ADDITIONAL QUANTITIES LISTED ELSEWHERE

MEDIAN INLETS AND GRATES

STRUCTURE NO.	STATION	LOCATION	GRATE ELEV.	TOP OF STRUCTURE ELEV.	INVERT ELEV.	STRUCTURE DEPTH	611.0642 INLET COVERS TYPE MS EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	** 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
1.0	25+44.98P	32.42' LT	897.81	897.81	895.19	2.62	1	1	1
11.4	41+20.30P	31.61' RT	907.85	907.85	903.97	3.88	1	1	1
27.0	70+47.18	21.32' LT	917.35	971.35	---	---	1	1	1
				TOTAL PROJECT 3897-00-70			3	3	3

** ADDITIONAL QUANTITIES LISTED ELSEWHERE

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

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CRASH CUSHION

STATION - STATION	LOCATION	614.0805 CRASH CUSHIONS PERMANENT LOW MAINTENANCE EACH
38+78.76P - 39+06.23P	RT	1
39+23.63P - 39+54.60P	LT	1
TOTAL PROJECT 3897-00-70		2

FENCE SAFETY

STATION	LOCATION	616.0700.S.01 FENCE SAFETY LF
UNDISTRIBUTED	PROJECT	500
TOTAL PROJECT 3897-00-70		500

RESTORATION ITEMS

STATION - STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE #20 LB	630.0140 SEEDING MIXTURE #40 LB	630.0200 SEEDING TEMPORARY LB	SPV.0120.01 WATER FOR SEEDED AREAS MGAL
21+25P - 25+63P	LT	449	182	0.4	18	—	—	15.3
21+25P - 25+72P	RT	554	336	0.5	22	—	—	18.0
26+00P - 34+03P	LT	577	22	0.4	—	10	—	13.0
26+12P - 33+42P	RT	979	315	0.7	28	2	3	26.0
38+04P - 38+52P	LT	57	11	0.04	2	—	—	1.3
38+37P - 39+00P	RT	111	—	0.1	3	—	—	2.5
39+32P - 41+75P	LT	116	—	0.1	—	2	—	2.6
39+79P - 44+60P	RT	601	—	0.4	—	11	—	13.5
42+06P - 45+40P	LT	85	—	0.1	—	2	—	1.9
45+80P - 46+43P	LT	75	—	0.05	—	1	—	1.7
45+99P - 46+43P	RT	15	—	0.01	—	0.3	—	0.3
53+96 - 57+05	LT	167	—	0.1	—	3	—	3.7
54+10 - 59+99	RT	361	—	0.2	—	6	—	8.1
57+30 - 57+82	LT	146	—	0.1	—	3	—	3.3
57+92 - 61+88	LT	145	—	0.1	—	3	—	3.2
60+22 - 70+55	RT	138	174	0.3	—	8	11	9.5
62+15 - 70+60	LT	786	—	0.5	—	14	—	17.7
UNDISTRIBUTED		1,072	208	0.8	15	13	3	28
TOTAL PROJECT 3897-00-70		6,431	1,248	4.8	88	78	17	170

MOBILIZATION EROSION CONTROL

LOCATION	628.1905 MOBILIZATION EROSION CONTROL EACH	628.1910 MOBILIZATION EMERGENCY EROSION CONTROL EACH
3897-00-70	6	6
TOTAL PROJECT 3897-00-70	6	6

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

EROSION CONTROL ITEMS

STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.2039 EROSION MAT CLASS III TYPE D SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH
22+00P	LT	—	—	—	—	15	—
22+50P	LT	—	—	—	—	15	—
22+80P	LT	—	—	—	—	15	—
22+50P - 23+00P	LT	—	—	46	—	—	—
23+05P	LT	—	—	—	—	—	2
23+31P - 25+40P	LT	—	—	188	—	—	—
24+00P	LT	—	—	—	—	15	—
24+00P	RT	—	—	—	—	15	—
25+00P	RT	—	—	—	—	15	—
23+49P - 25+51P	RT	—	—	180	—	—	—
25+52P	RT	—	—	—	—	—	2
20+44I - 20+72I	LT	—	—	38	—	—	—
30+15W - 30+38W	LT	—	—	42	—	—	—
30+22W - 30+44W	RT	—	—	21	—	—	—
20+44I - 20+75I	RT	—	—	36	—	—	—
26+04P - 28+45P	LT	—	—	237	—	—	—
28+45P	LT	—	—	—	—	—	2
26+30P - 29+36P	RT	—	—	275	—	—	—
27+50P	RT	—	—	—	—	15	—
28+50P	RT	—	—	—	—	15	—
28+93P - 29+68P	LT	—	—	67	—	—	—
29+32P - 30+32P	RT	—	—	—	280	—	—
28+90P - 30+31P	RT	170	170	—	—	—	—
29+67P - 30+27P	LT	—	—	—	80	—	—
30+02P	LT	—	—	—	—	—	15
29+58P - 30+84P	LT	143	143	—	—	—	—
30+27P - 31+94P	LT	—	—	128	—	—	—
30+84P - 31+38P	RT	—	—	37	—	—	—
31+74P - 32+64P	RT	—	—	54	—	—	—
33+21P - 33+42P	RT	—	—	13	—	—	—
32+18P - 33+49P	LT	—	—	52	—	—	—
33+68P - 33+95P	LT	—	—	7	—	—	—
38+04P - 38+52P	LT	—	—	—	43	—	—
38+37P - 39+01P	RT	—	—	111	—	—	—
39+32P - 39+62P	LT	—	—	—	16	—	—
39+62P - 41+04P	LT	—	—	82	—	—	—
39+81P - 40+42P	RT	—	—	—	67	—	—
40+42P - 42+14P	RT	—	—	162	—	—	—
20+23PS - 20+37PS	LT	—	—	12	—	—	—
42+05P - 42+88P	LT	—	—	40	—	—	—
43+05P - 44+00P	LT	—	—	34	—	—	—
42+45P - 44+60P	RT	—	—	351	—	—	—
46+00P - 46+43P	RT	—	—	19	—	—	—
44+84 - 45+43	LT	—	—	119	—	—	—
53+95 - 56+26	LT	—	—	98	—	—	—
54+10 - 59+42	RT	—	—	298	—	—	—
56+50 - 57+07	LT	—	—	87	—	—	—
57+29 - 57+83	LT	—	—	132	—	—	—
21+05H - 21+25H	LT	—	—	41	—	—	—
21+28H - 21+51H	LT	—	—	44	—	—	—
21+63H - 22+52H	LT	—	—	94	—	—	—
59+42 - 59+54	LT	—	—	10	—	—	—
59+53 - 59+99	RT	—	—	38	—	—	—
59+70 - 59+79	LT	—	—	5	—	—	—
60+34 - 60+43	LT	—	—	5	—	—	—
60+83 - 61+84	LT	—	—	85	—	—	—
60+22 - 61+72	RT	—	—	136	—	—	—
20+23A - 20+41A	LT	—	—	12	—	—	—
62+16 - 63+55	LT	—	—	42	—	—	—
63+66 - 70+60	LT	—	—	719	—	—	—
69+50 - 70+75	RT	—	—	112	—	—	—
UNDISTRIBUTED		63	63	840	97	24	4
TOTAL PROJECT 3897-00-70		376	376	5,149	583	144	25

3

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\030201-MQ.DWG
LAYOUT NAME - ****
PLOT DATE : 1/25/2017 9:10 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

INLET PROTECTION

STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH
25+45P	LT	1	—	—
30+44W	LT	—	—	1
30+43W	RT	—	—	1
28+88P	LT	—	—	1
29+00P	LT	—	—	1
32+50P	LT & RT	—	—	2
33+86P	RT	—	1	—
36+00P	LT & RT	—	—	2
38+70P	RT	—	—	4
40+25P	LT & RT	—	—	2
40+45P	LT & RT	—	—	2
41+20P	15.5' RT	—	—	1
41+20P	31.6' RT	1	—	—
41+38P	LT	—	—	1
41+58P	LT	—	—	1
42+60P	LT & RT	—	—	2
42+80P	LT & RT	—	—	2
45+08P	LT & RT	—	—	2
45+18P	LT & RT	—	—	2
E PLEASANT ST	LT & RT	—	—	2
49+00	LT & RT	—	—	2
52+00	RT	—	—	1
52+07	LT	—	—	1
52+18	LT	—	—	1
53+42	LT	—	—	1
53+49	LT	—	—	1
55+75	LT & RT	—	—	2
56+83	LT	—	—	1
58+00	RT	—	—	1
58+10	RT	—	—	1
58+15	LT	—	—	1
59+90	LT	—	—	1
60+00	LT	—	—	1
68+60	RT	1	—	—
70+47	LT	1	—	—
TOTAL PROJECT 3897-00-70		4	1	44

TRACKING PADS

LOCATION	628.7560 TRACKING PADS EACH
3897-00-70	4
TOTAL PROJECT 3897-00-70	4

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

PERMANENT SIGNING

SIGN NO.	STATION	SIGN CODE	SIGN SIZE IN X IN	637.0620 SIGN FLAGS PERMANENT TYPE II EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	POSTS WOOD 634.0614 4X6 INCH 14 FT EACH	POSTS WOOD 634.0616 4X6 INCH 16 FT EACH	POSTS TUBULAR STEEL 634.0810 2X2 INCH 10-FT EACH	POSTS TUBULAR STEEL 634.0811 2X2 INCH 11-FT EACH	POSTS TUBULAR STEEL 634.0812 2X2 INCH 12-FT EACH	POSTS TUBULAR STEEL 634.0814 2X2 INCH 14-FT EACH	MESSAGE
1-01	22+88P	R2-1	24 X 30	—	5	—	—	1	—	—	—	—	SPEED LIMIT 25 MPH
1-02	23+89P	W12-2	36 X 36	—	—	9	—	1	—	—	—	—	CLEARANCE 13 FT
		W57-52	36 X 24	—	—	6	—	—	—	—	—	—	1/4 MILES AHEAD
1-03	24+40P	R2-1	24 X 30	—	5	—	—	1	—	—	—	—	SPEED LIMIT 25 MPH
2-01	30+30W	R1-1	30 X 30	—	5.18	—	1	—	—	—	—	—	STOP
2-02	20+48I	R1-1	30 X 30	—	5.18	—	1	—	—	—	—	—	STOP
2-03	29+00P	R2-1	24 X 30	—	5	—	—	1	—	—	—	—	SPEED LIMIT 25 MPH
2-04	30+87P	R2-1	24 X 30	—	5	—	—	—	—	1	—	—	SPEED LIMIT 25 MPH
3-01	32+48P	W11-2	30 X 30	—	—	6.25	—	—	—	1	—	—	PEDESTRIAN CROSSING
		W16-9P	24 X 8	—	—	2	—	—	—	—	—	—	AHEAD
3-02	20+76B	R1-1	30 X 30	—	5.18	—	1	—	—	—	—	—	STOP
3-03	35+76P	W11-2	30 X 30	—	—	6.25	—	—	—	1	—	—	PEDESTRIAN CROSSING
		W16-7L	24 X 12	—	—	2	—	—	—	—	—	—	ARROW
3-04	35+76P	W11-2	30 X 30	—	—	6.25	—	—	—	1	—	—	PEDESTRIAN CROSSING
		W16-7L	24 X 12	—	—	2	—	—	—	—	—	—	ARROW
4-01	38+48P	R1-5L	18 X 18	—	2.25	—	—	—	1	—	—	—	YIELD HERE TO PEDESTRIANS
4-02	38+76P	W12-2	36 X 36	—	—	9	—	—	—	—	1	—	CLEARANCE 13 FT
4-03	39+31P	W12-2	36 X 36	—	—	9	—	—	—	—	1	—	CLEARANCE 13 FT
4-04	39+68P	R1-5L	18 X 18	—	2.25	—	—	—	1	—	—	—	YIELD HERE TO PEDESTRIANS
4-05	20+28PS	R1-1	30 X 30	—	5.18	—	1	—	—	—	—	—	STOP
4-06	42+62P	W11-2	30 X 30	2	—	6.25	—	—	—	—	—	2	PEDESTRIAN CROSSING
		W16-9P	24 X 12	—	—	2	—	—	—	—	—	—	AHEAD
4-07	43+25P	R2-1	24 X 30	—	5	—	—	—	—	1	—	—	SPEED LIMIT 25 MPH
4-08	38+34P	W5-52L	12 X 36	—	—	3	—	—	—	—	1	—	BRIDGE HASH MARKS
4-09	39+94P	W5-52L	12 X 36	—	—	3	—	—	—	—	1	—	BRIDGE HASH MARKS
5-01	43+86P	W12-2	36 X 36	—	—	9	—	—	—	—	—	2	CLEARANCE 13 FT
		W57-52	36 X 24	—	—	6	—	—	—	—	—	—	1/4 MILES AHEAD
5-02	45+33	J23-1	24 X 57	—	9.5	—	—	1	—	—	—	—	TO CTH S ARROW
5-03	45+31P	R1-1	30 X 30	—	5.18	—	—	—	—	—	—	2	STOP
		R1-10P	24 X 18	—	3	—	—	—	—	—	—	—	EXCEPT RIGHT TURN
		W4-4AR	30 X 12	—	—	2.5	—	—	—	—	—	—	TRAFFIC FROM RIGHT DOES NOT STOP
5-04	45+98P	R1-1	30 X 30	—	5.18	—	—	—	—	1	—	—	STOP
		W4-4AL	30 X 12	—	—	2.5	—	—	—	—	—	—	TRAFFIC FROM LEFT DOES NOT STOP
5-05	46+04P	J23-1	24 X 57	—	9.5	—	—	1	—	—	—	—	TO CTH S ARROW
5-06	46+27	R7-51-R	18 X 24	—	3	—	—	—	—	1	—	—	NO PARKING HERE TO CORNER
5-07	46+20P	R7-52-L	18 X 24	—	3	—	1	—	—	—	—	—	NO PARKING BETWEEN SIGNS
5-08	46+30P	R7-51-L	18 X 24	—	3	—	—	—	—	1	—	—	NO PARKING HERE TO CORNER
6-01	51+92	J1-1	24 X 39	—	6.5	—	—	—	—	—	1	—	JCT CTH AY
6-02	53+44	R2-1	24 X 30	—	5	—	—	—	—	1	—	—	SPEED LIMIT 25 MPH
7-01	53+50	R2-1	24 X 30	—	5	—	—	—	—	1	—	—	SPEED LIMIT 25 MPH
7-02	56+50	J13-1	24 X 45	—	7.50	—	—	—	—	—	1	—	CTH AY ARROW
7-03	20+18HS	R1-1	30 X 30	—	5.18	—	1	—	—	—	—	—	STOP
7-04	21+10H	R1-1	30 X 30	—	5.18	—	1	—	—	—	—	—	STOP
7-05	21+05H	R1-1	30 X 30	—	5.18	—	1	—	—	—	—	—	STOP
7-06	21+74H	J13-1	24 X 45	—	7.50	—	—	—	—	—	1	—	CTH AY ARROW
7-07	54+32	R7-1-R	18 X 24	—	3	—	1	—	—	—	—	—	NO PARKING ANY TIME
8-01	20+23A	R1-1	30 X 30	—	5.18	—	1	—	—	—	—	—	STOP
8-02	62+04	R2-1	24 X 30	—	5	—	1	—	—	—	—	—	SPEED LIMIT 25 MPH
8-03	63+00	W1-5R	30 X 30	—	—	6.25	—	—	—	—	1	—	CURVES
8-04	64+88	J1-1	24 X 39	—	6.5	—	—	—	—	—	1	—	JCT CTH AY
9-01	66+05	R2-1	24 X 30	—	5	—	—	—	—	1	—	—	SPEED LIMIT 25 MPH
9-02	67+92	R2-1	24 X 30	—	5	—	1	—	—	—	—	—	SPEED LIMIT 25 MPH
	TOTAL PROJECT 3897-00-70			2	168.30	98.25	12	6	2	11	9	6	

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\030201-MQ.DWG
LAYOUT NAME - ****
PLOT DATE : 1/5/2017 8:58 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

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REMOVING SIGNS

SIGN NO.	STATION	204.9060.S.03 REMOVING & SALVAGING SIGNS EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	MESSAGE
R1-01	22+88P	—	1	1	SPEED LIMIT 25 MPH
R1-02	22+88P	1	—	—	RESTRICTED PARKING
R1-03	23+30P	1	—	1	ST. MATTHEW'S LUTHERAN CHURCH & SCHOOL
R1-04	25+10P	1	—	1	LIONS INTERNATIONAL
R1-05	23+89P	—	1	—	13 FT CLEARANCE 0.3 MILES AHEAD
R1-06	24+40P	—	1	1	SPEED LIMIT 25 MPH
R2-01	30+30W	—	1	1	STOP
R2-02	30+37W	—	1	1	CAUTION CHILDREN AT PLAY
R2-03	20+48I	—	1	1	STOP
R2-04	29+00P	—	1	—	SPEED LIMIT 25 MPH
R2-05	29+00P	1	—	—	RADAR PATROLLED & NEIGHBORHOOD WATCH
R2-06	29+92P	—	1	1	CLEARANCE
R2-07	29+92P	—	—	—	CLEARANCE
R2-08	30+11P	—	1	1	CLEARANCE
R2-09	30+11P	—	—	—	CLEARANCE
R2-10	30+87P	—	1	1	SPEED LIMIT 25 MPH
R3-01	20+76B	—	1	1	STOP
R3-02	37+23P	—	1	—	SPEED LIMIT 25 MPH
R4-01	38+47P	—	1	1	CLEARANCE
R4-02	38+76P	—	1	—	13 FT CLEARANCE
R4-03	38+83P	—	1	1	CLEARANCE
R4-04	39+08P	—	1	1	CLEARANCE
R4-05	39+24P	—	1	1	CLEARANCE
R4-06	39+31P	—	1	1	13 FT CLEARANCE
R4-07	39+80P	—	1	1	CLEARANCE
R4-08	20+28PS	—	1	1	STOP
R4-09	41+79P	1	—	2	COM. CENTER, FIRESMENS PARK, & POLICE DEPT.
R4-10	42+05P	1	—	—	LIBRARY ARROW, NO U-TURN,
	42+05P	—	—	—	& PRIVATE PROPERTY NO TRESPASSING
R4-11	42+96P	1	—	2	IRON RIDGE D.P.W. & LAST CALL LOGISTICS
R4-12	42+84P	—	1	—	SPEED LIMIT 25 MPH
R4-13	43+15P	—	1	—	DANGEROUS INTERSECTION
R5-01	45+33	—	1	1	CTH S ARROW
R5-02	45+31P	—	1	1	STOP, RIGHT TURN NO STOP, & TRAFFIC FROM RIGHT
R5-03	45+40	—	1	1	NO U-TURN
R5-04	45+98P	—	1	1	STOP, ONCOMING TRAFFIC, & NO PARKING
R5-05	16+15P	—	1	1	CTH S ARROW & NO PARKING
R5-06	46+27	—	1	1	NO PARKING
R6-01	48+62	—	1	—	DANGEROUS INTERSECTION
R6-02	51+92	—	1	1	JCT CTH AY
R6-03	53+44	—	1	1	SPEED LIMIT 25 MPH
R7-01	53+50	—	1	1	SPEED LIMIT 25 MPH
R7-02	54+37	—	1	1	NO PARKING
R7-03	56+50	—	1	1	CTH AY ARROW
R7-04	20+18HS	—	1	1	STOP
R7-05	21+10H	—	1	1	STOP
R7-06	21+05H	—	1	1	STOP
R7-07	21+74H	—	1	1	CTH AY ARROW
R8-01	61+79	—	1	—	NO THRU STREET & STOP
R8-02	62+04	—	1	1	SPEED LIMIT 25 MPH
R8-03	64+88	—	1	1	JCT CTH AY
R9-01	66+05	—	1	1	SPEED LIMIT 25 MPH
R9-02	67+92	—	1	1	SPEED LIMIT 25 MPH
R9-03	68+31	—	1	1	CURVES
TOTAL PROJECT 3897-00-70		7	44	42	

TRAFFIC CONTROL ITEMS

LOCATION	DAYS	TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAYS	TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS
TRAFFIC CONTROL DETAIL 1	180	---	---	7	1,260	10	1,800
TRAFFIC CONTROL DETAIL 3	180	---	---	2	360	4	720
MEADOWBROOK	180	---	---	5	900	6	1,080
INDUSTRIAL DRIVE	180	---	---	2	360	2	360
WESTGATE DRIVE	180	---	---	2	360	2	360
BURKWALD AVENUE	180	---	---	4	720	4	720
PARK STREET	180	---	---	5	900	2	360
NORTH MAIN STREET	180	---	---	5	900	2	360
EAST PLEASANT STREET	180	---	---	5	900	2	360
HIGHLAND AVENUE	180	---	---	5	900	2	360
HERMAN STREET	180	---	---	5	900	2	360
ALBERT STREET	180	---	---	4	720	4	720
UNDISTRIBUTED	180	50	9,000	10	1,800	10	1,800
TOTAL PROJECT 3897-00-70			9,000		10,980		9,360

TRAFFIC CONTROL SIGNS

LOCATION	DAYS	TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAYS	TRAFFIC CONTROL DETOUR SIGNS EACH	643.3000 TRAFFIC CONTROL DETOUR SIGNS DAYS
TRAFFIC CONTROL DETAIL 1	180	5	900	21	3,780
TRAFFIC CONTROL DETAIL 2	180	—	—	29	5,220
TRAFFIC CONTROL DETAIL 3	180	1	180	27	4,860
MEADOWBROOK	180	1	180	—	—
END OF PROJECT (BOTH SIDES)	180	2	360	—	—
STH 67 & CTH R	180	—	—	6	1,080
INDUSTRIAL DRIVE	180	2	360	—	—
WESTGATE DRIVE	180	2	360	—	—
BURKWALD AVENUE	180	3	540	—	—
PARK STREET	180	3	540	—	—
NORTH MAIN STREET	180	3	540	—	—
EAST PLEASANT STREET	180	2	360	—	—
HIGHLAND AVENUE	180	2	360	—	—
HERMAN STREET	180	2	360	—	—
ALBERT STREET	180	2	360	—	—
N MAIN ST & E PLEASANT - SIDEWALK	180	4	720	—	—
HERMAN STREET - SIDEWALK	180	1	180	—	—
TOTAL PROJECT 3897-00-70			6,300		14,940

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ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

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TRAFFIC CONTROL COVERING SIGNS

LOCATION	DAYS	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	NUMBER OF CYCLES	NUMBER OF SIGNS
TRAFFIC CONTROL DETAIL 1	180	2	1	2
TRAFFIC CONTROL DETAIL 3	180	3	1	3
TOTAL PROJECT 3897-00-70		5		

TEMPORARY PEDESTRIAN SURFACES

STATION	LOCATION	644.1410.S.01 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1420.S.01 TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	644.1430.S.01 TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1601.S.01 TEMPORARY CURB RAMP EACH	644.1616.S.01 TEMPORARY PEDESTRIAN SAFETY FENCE LF
PARK ST INTERSECTION	LT	20	20	20	2	---
MAIN ST & PLEASANT INTERSECTION	RT & LT	160	160	160	4	---
45+75 - 52+00	RT	---	---	---	---	625
56+80	RT & LT	20	20	20	2	---
UNDISTRIBUTED		20	20	20	2	200
TOTAL PROJECT 3897-00-70		200	200	200	8	825

PAVEMENT MARKING

STATION - STATION	LOCATION	646.0106 PAVEMENT MARKING EPOXY 4-INCH WHITE LF	646.0106 PAVEMENT MARKING EPOXY 4-INCH YELLOW LF	647.0256 PAVEMENT MARKING SYMBOLS EPOXY WHITE EACH	647.0526 PAVEMENT MARKING YIELD LINE SYMBOLS EPOXY 18-INCH WHITE EACH	647.0566 PAVEMENT MARKING STOP LINE EPOXY 18-INCH WHITE LF	647.0656 PAVEMENT MARKING PARKING STALL EPOXY WHITE LF	647.0776 PAVEMENT MARKING CROSSWALK EPOXY 12-INCH LF
21+25P - 45+33P	CENTERLINE	—	4,815	—	—	—	—	—
21+25P - 25+45P	RT	420	—	—	—	—	—	—
21+25P - 25+46P	LT	420	—	—	—	—	—	—
26+35P - 29+50P	RT	315	—	—	—	—	—	—
35+70P	CROSSING	—	—	—	—	—	—	56
37+98P - 39+60P	LT	112	—	3	—	—	—	—
38+36P	RT	—	—	—	6	—	—	—
38+56P - 40+16P	RT	110	—	3	—	—	—	—
39+81P	LT	—	—	—	6	—	—	—
41+72P - 42+10P	LT	—	—	—	—	—	—	67
45+28P	RT	—	—	—	—	14	—	—
45+37P	CROSSING	—	—	—	—	—	—	72
45+95P	CROSSING	—	—	—	—	—	—	63
46+02P	LT	—	—	—	—	12	—	—
45+38	RT	—	—	—	—	13	—	—
45+45	CROSSING	—	—	—	—	—	—	61
45+83	CROSSING	—	—	—	—	—	—	85
46+53 - 53+37	LT	—	—	—	—	—	94	—
46+30 - 53+30	RT	—	—	—	—	—	92	—
45+86 - 70+75	CENTERLINE	—	4,980	—	—	—	—	—
56+75	CROSSING	—	—	—	—	—	—	58
20+45HS	LT	—	—	—	—	12	—	—
61+81 - 62+19	LT	—	—	—	—	—	—	62
61+70 - 70+75	RT	905	—	—	—	—	—	—
	SUB-TOTALS	2,282	9,795	6	12	51	186	524
TOTAL PROJECT 3897-00-70		12,077		6	12	51	186	524

CONSTRUCTION STAKING

STATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000* CONSTRUCTION STAKING BASE LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
21+25.00P - 46+42.65P	2,518	—	2,518
38+47.88P - 39+79.56P	—	132	—
45+37.56 - 45+51.02	14	—	14
45+76.98 - 70+55.00	2,478	—	2,478
30+13.02W - 30+50.89W	38	—	38
20+44.08I - 20+75.73I	32	—	32
20+33.09B - 20+86.00B	53	—	53
20+14.01PS - 20+36.77PS	23	—	23
20+17.32HS - 20+46.38HS	29	—	29
21+06.74H - 22+29.19H	122	—	122
20+11.00A - 20+40.57A	30	—	30
TOTAL PROJECT 3897-00-70	5,337	132	5,337

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

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SAWING PAVEMENT ITEMS

STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
21+25P	CROSSING	—	30
21+50P	LT	12	—
23+15P	LT	10	—
30+51W	CROSSING	32	5
20+44I	CROSSING	34	—
20+25I - 20+44I	LT	21	—
20+35I - 20+44I	RT	12	—
28+75P	LT	25	—
33+68P	LT	18	—
33+40P - 34+90P	RT	155	—
35+05P - 37+05P	LT	200	—
35+95P - 38+25P	RT	230	—
20+37PS	CROSSING	25	—
42+25P	RT	31	—
43+00P	LT	—	16
44+16P	LT	30	—
44+30P - 44+53P	LT	23	—
44+80P	RT	51	—
46+23P	RT	—	4
46+43P	CROSSING	26	9
44+85	LT	—	4
45+38	CROSSING	52	8
46+00 - 46+28	LT	—	30
45+80 - 47+97	RT	—	217
47+27 - 47+73	LT	—	60
47+80	LT	24	—
47+97 - 49+92	RT	291	—
47+97 - 49+36	LT	—	139
49+52 - 49+84	LT	—	32
49+90	LT	12	—
49+95	RT	—	4
50+02 - 50+52	LT	—	50
50+45	RT	—	10
50+63	LT	—	4
50+77 - 51+08	RT	—	31
51+60	LT	—	25
51+85	LT	—	4
52+07	LT	—	4
52+60	LT	—	50
51+43 - 52+85	RT	170	—
52+77 - 53+70	LT	—	95
53+80	LT	17	—
54+00	RT	60	—
54+20	LT	—	5
55+74	LT	—	5
56+25	LT	17	3
20+17HS	LT	—	5
20+46HS	CROSSING	25	—
21+07H	CROSSING	22	—
21+27H	LT	—	3
59+25	LT	20	—
59+50	RT	—	10
60+10	RT	—	26
60+50	LT	34	—
20+41A	CROSSING	18	—
63+65	LT	—	15
70+55	CROSSING	16	20
51+96	STORM SEWER	450	—
UNDISTRIBUTED		100	150
TOTAL PROJECT 3897-00-70		2,263	1,073

CRACK AND DAMAGE SURVEY

LOCATION	999.1500.S.01 CRACK AND DAMAGE SURVEY LS	NOTES
W PLEASANT ST & S MAIN ST	1	APPROX. 17 PARCELS
TOTAL PROJECT 3897-00-70	1	

CONNECTION TO SUMP

STATION - STATION	LOCATION	SPV.0060.32 CONNECTION TO RESIDENTIAL SUMP EACH	SPV.0060.33 CONNECTION TO DRAIN TILE EACH
44+50P - 45+50P	LT	1	---
63+00 - 64+00	LT	---	1
TOTAL PROJECT 3897-00-70		1	1

MODULAR BLOCK WALL

STATION - STATION	WALL	LOCATION	SPV.0090.01 RAILING PEDESTRIAN STEEL LF	SPV.0090.02 FENCE CHAIN LINK POLYMER-COATED 4-FT LF	SPV.0165.01 WALL MODULAR BLOCK GRAVITY LRFD SF	SPV.0165.03 COARSE AGGREGATE STONE MULCH SF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
26+20P - 28+54P	A	LT	236	—	865	---	---
28+89P - 29+73P	B	LT	86	—	247	---	---
38+12P - 38+48P	C	LT	—	—	127	---	---
39+32P - 40+60P	D	LT	—	92	547	---	---
40+46P - 40+60P	N	LT	—	—	37	---	---
39+80P - 40+42P	F	RT	—	—	282	---	---
40+51P - 41+70P	E	LT	—	120	462	---	---
44+31P - 44+53P	G	LT	22	—	—	---	---
44+80P - 45+39P	—	LT	59	—	—	—	—
45+02 - 46+11P	I	LT	—	—	57	---	---
46+14P - 46+33	J	RT & LT	50	—	—	—	—
45+99 - 47+51	K	LT	157	—	—	---	---
47+16 - 47+60	L	LT	54	—	—	---	---
58+57 - 59+19	M	LT	—	70	129	---	---
59+79 - 60+30	—	LT	—	—	—	291	36
TOTAL PROJECT 3897-00-70			664	282	2,753	291	36

SALVAGE AND RESET LANDSCAPING

STATION - STATION	LOCATION	SPV.0165.04 SALVAGE AND RESET LANDSCAPING SF
46+41 - 47+25	LT	73
51+01 - 51+41	LT	30
51+65 - 51+80	LT	15
TOTAL PROJECT 3897-00-70		118

ULO'S

STATION - STATION	LOCATION	SPV.0060.03 UTILITY LINE OPENING (ULO) EACH
50+79.54	189' RT	1
51+56.81	5.5' RT	1
UNDISTRIBUTED		3
TOTAL PROJECT 3897-00-70		5

CONTAMINATED SEDIMENT

STATION - STATION	LOCATION	SPV.0195.01 EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SEDIMENT AND DEWATERING OF CONTAMINATED SEDIMENT TON
52+07 - 52+18	LT & RT OF 148 S. MAIN ST.	25
TOTAL PROJECT 3897-00-70		25

ALL ITEMS ARE CATEGORY 0010 ON THIS SHEET.

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TRENCH ROCK EXCAVATION

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	TO STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	SHEET NO.	(SPV.0035.01) TRENCH ROCK EXCAVATION CY	COMMENTS
							UNDISTRIBUTED CATEGORY 0010, 3897-00-69		100	
							TOTAL 3897-00-69		100	

UTILITY LINE OPENING (ULO)

CATEGORY	STATION	LOCATION	(SPV.0060.03) EACH
		UNDISTRIBUTED CATEGORY 0010, 3897-00-69	4
		TOTAL 3897-00-69	4

EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SEDIMENT
AND DEWATERING OF CONTAMINATED SEDIMENT

CATEGORY	STATION	TO STATION	LOCATION	SHEET NO.	(SPV.0195.01) TON
0010	52+05.0	53+35.0	N. MAIN ST.	SW08	1110
			UNDISTRIBUTED		120
			TOTAL CATEGORY 0010, 3897-00-69		1230

TEMPORARY SHORING

CATEGORY	STATION	TO STATION	LOCATION	SHEET NO.	(511.1100) S.F.
0010	38+10.0P	39+90.0P	W. PLEASANT ST.	SW05	1080
			UNDISTRIBUTED		120
			TOTAL CATEGORY 0010, 3897-00-69		1200

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REMOVE EXISTING SANITARY STRUCTURES SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	SHEET NO.	(SPV.0060.04) REMOVE EX. MANHOLE EACH	COMMENTS
0010	0+74.2I*	0.50	RT.	INDUSTRIAL RD.	SW02	1	
	40+87.7P	107.00	RT.	W. PLEASANT ST.	SW05	1	
	40+94.4P	17.80	LT.	W. PLEASANT ST.	SW05	1	
	41+93.1P	0.00	-	W. PLEASANT ST.	SW05	1	
	43+66.3P	11.40	LT.	W. PLEASANT ST.	SW06	1	
	45+66.9P	11.40	LT.	W. PLEASANT ST.	SW06	1	
	53+22.3	29.10	RT.	S. MAIN ST.	SW08	1	
	54+13.1	24.40	RT.	S. MAIN ST.	SW08	1	
	56+39.2	25.60	RT.	S. MAIN ST.	SW09	1	
	60+76.3	13.10	LT.	S. MAIN ST.	SW10	1	
	62+22.5	12.20	LT.	S. MAIN ST.	SW11	1	
	65+83.6	10.80	LT.	S. MAIN ST.	SW11	1	
	65+82.6	11.10	RT.	S. MAIN ST.	SW11	1	
TOTAL CATEGORY 0010, 3897-00-69						13	

'*' = STATION BASED ON 'PLAN AND PROFILE: SANITARY & WATER" PLANS

REMOVE EXISTING WATER MAIN STRUCTURES SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	SHEET NO.	(SPV.0060.05) REMOVE EX. VALVE BOX EACH	(SPV.0060.06) REMOVE EX. HYDRANT EACH	COMMENTS
0010	32+98.9P	10.40	LT.	W. PLEASANT ST.	SW04	1	-	
	33+05.6P	21.00	LT.	W. PLEASANT ST.	SW04	1	1	INCLUDES NEARBY AUXILIARY HYD. VALVE
	33+16.8P	10.20	LT.	W. PLEASANT ST.	SW04	1	-	INCLUDES VALVE MANHOLE AND/OR BOX
	41+70.7P	25.20	LT.	W. PLEASANT ST.	SW05	1	1	INCLUDES NEARBY AUXILIARY HYD. VALVE
	41+87.0P	12.80	LT.	W. PLEASANT ST.	SW05	1	-	
	41+98.8P	10.30	LT.	W. PLEASANT ST.	SW05	1	-	
	42+14.9P	16.80	LT.	W. PLEASANT ST.	SW05	1	-	
	48+82.4	13.40	LT.	S. MAIN ST.	SW07	1	-	
	48+85.4	23.70	LT.	S. MAIN ST.	SW07	1	1	INCLUDES NEARBY AUXILIARY HYD. VALVE
	54+96.8	26.90	RT.	S. MAIN ST.	SW08	1	1	INCLUDES NEARBY AUXILIARY HYD. VALVE
	55+34.5	49.00	RT.	S. MAIN ST.	SW09	1	-	
	58+09.3	35.40	LT.	S. MAIN ST.	SW10	1	-	INCLUDES VALVE MANHOLE AND/OR BOX
	63+13.7	22.20	LT.	S. MAIN ST.	SW11	1	1	INCLUDES NEARBY AUXILIARY HYD. VALVE
	63+17.9	14.65	LT.	S. MAIN ST.	SW11	1	-	
TOTAL CATEGORY 0010, 3897-00-69						14	5	

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SANITARY MANHOLE SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	SHEET NO.	STRUCTURE	(SPV.0060.07) SANITARY MANHOLE EACH	(SPV.0060.08) SANITARY DROP MANHOLE EACH	(SPV.0060.09) SANITARY MH COVERS TYPE J EACH
0010	1	0+74.2I*	0.50	RT	INDUSTRIAL RD.	SW2	MANHOLE	1	-	1
	2	2+52.2I*	1.00	LT	W. PLEASANT ST.	SW2	MANHOLE	1	-	1
	5	40+87.7P	107.00	RT	W. PLEASANT ST.	SW5	MANHOLE	1	-	1
	6	40+93.4P	0.00	-	W. PLEASANT ST.	SW5	MANHOLE	1	-	1
	7	41+93.1P	0.00	-	W. PLEASANT ST.	SW5	MANHOLE	-	1	1
	8	43+75.0P	0.00	-	W. PLEASANT ST.	SW6	MANHOLE	1	-	1
	9	45+65.8P	0.00	-	W. PLEASANT ST.	SW6	MANHOLE	1	-	1
	12	53+22.3	29.10	RT	S. MAIN ST.	SW8	MANHOLE	1	-	1
	13	54+13.1	24.40	RT	S. MAIN ST.	SW8	MANHOLE	1	-	1
	14	56+39.2	25.60	RT	S. MAIN ST.	SW9	MANHOLE	1	-	1
	16	60+76.3	13.10	LT	S. MAIN ST.	SW10	MANHOLE	1	-	1
	17	62+22.5	12.20	LT	S. MAIN ST.	SW11	MANHOLE	1	-	1
	18	65+83.6	10.80	LT	S. MAIN ST.	SW11	MANHOLE	1	-	1
	-	65+82.6	11.10	RT	S. MAIN ST.	SW11	MANHOLE	1	-	1
TOTAL CATEGORY 0010, 3897-00-69								13	1	14

'*' = STATION BASED ON 'PLAN AND PROFILE: SANITARY & WATER" PLANS

SANITARY SEWER PIPE SUMMARY

CATEGORY	LOCATION FROM M.H.	TO M.H.	STREET	SHEET NO.	(SPV.0090.05) FORCEMAIN SEWER PIPE 4-INCH LF	(SPV.0090.06) FORCEMAIN SEWER PIPE 6-INCH LF	(SPV.0090.07) SANITARY SEWER PIPE 8-INCH LF
0010	1	2	INDUSTRIAL RD.	SW2	-	-	178.0
	2	STUB W.	INDUSTRIAL RD.	SW2	-	-	5.0
	2	CONNECT N.	INDUSTRIAL RD.	SW2	-	-	14.0
	5	6	W. PLEASANT ST.	SW5	-	-	107.0
	6	7	W. PLEASANT ST.	SW5	-	-	100.0
	7	CONNECT N.	W. PLEASANT ST.	SW5	-	-	42.0
	7	8	W. PLEASANT ST.	SW5	-	-	182.0
	8	9	W. PLEASANT ST.	SW6	-	-	191.0
	9	CONNECT N.	W. PLEASANT ST.	SW6	-	-	34.0
	18	CONNECT E.	S. MAIN ST.	SW11	480.0	480.0	-
			UNDISTRIBUTED		20.0	20.0	20.0
TOTAL CATEGORY 0010, 3897-00-69					500.0	500.0	873.0

WATER MAIN PIPE SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	TO STATION	OFFSET DIST.	OFFSET DIR.	LOCATION	SHEET NO.	(SPV.0090.09) WATER MAIN 4-INCH PVC LF	(SPV.0090.10) WATER MAIN 6-INCH PVC LF	(SPV.0090.11) WATER MAIN 8-INCH PVC LF	(SPV.0090.12) WATER MAIN 8-INCH DI LF	(SPV.0090.13) WATER MAIN 12-INCH LF	COMMENTS
0010	29+77.0P	10.60	LT	30+27.0P	10.60	LT	W. PLEASANT ST.	SW03	-	-	50.0	-	-	
	32+30.6P	10.40	LT	32+40.4P	6.10	LT	W. PLEASANT ST.	SW04	-	-	12.0	-	-	
	32+40.4P	6.10	LT	32+40.4P	24.60	LT	W. PLEASANT ST.	SW04	-	19.0	-	-	-	HYDRANT LEAD
	32+40.4P	6.10	LT	33+08.9P	6.10	LT	W. PLEASANT ST.	SW04	-	-	68.0	-	-	
	33+08.9P	6.10	LT	33+08.9P	33.90	RT	W. PLEASANT ST.	SW04	-	-	-	-	40.0	
	33+08.9P	30.80	RT	32+95.5P	47.90	RT	W. PLEASANT ST.	SW04	25.0	-	-	-	-	
	33+08.9P	6.10	LT	36+55.0P	5.70	LT	W. PLEASANT ST.	SW04	-	-	346.0	-	-	
	36+55.0P	5.70	LT	36+55.0P	25.20	LT	W. PLEASANT ST.	SW04	-	20.0	-	-	-	HYDRANT LEAD
	36+55.0P	5.70	LT	38+18.0P	4.00	LT	W. PLEASANT ST.	SW04	-	-	163.0	-	-	
	38+18.0P	4.00	LT	39+78.0P	4.00	LT	W. PLEASANT ST.	SW05	-	-	160.0	-	-	
	39+78.0P	4.00	LT	39+87.6P	8.00	LT	W. PLEASANT ST.	SW05	-	-	10.0	-	-	
	39+87.6P	8.00	LT	41+76.3P	8.00	LT	W. PLEASANT ST.	SW05	-	-	189.0	-	-	
	41+76.3P	8.00	LT	41+76.3P	42.00	LT	W. PLEASANT ST.	SW05	-	-	-	-	34.0	
	41+76.3P	8.00	LT	41+76.3P	23.90	RT	W. PLEASANT ST.	SW05	-	-	-	-	32.0	
	41+76.3P	8.00	LT	41+85.0P	8.00	LT	W. PLEASANT ST.	SW05	-	-	9.0	-	-	
	41+85.0P	8.00	LT	42+92.7P	39.30	RT	W. PLEASANT ST.	SW05	-	-	49.0	-	-	
	41+85.0P	8.00	LT	42+25.0P	8.00	LT	W. PLEASANT ST.	SW05	-	-	40.0	-	-	
	42+25.0P	8.00	LT	45+73.8P	8.00	LT	W. PLEASANT ST.	SW06	-	-	349.0	-	-	
	45+73.8P	8.00	LT	46+10.0P	8.10	LT	E. PLEASANT ST.	SW06	-	-	36.0	-	-	
	46+10.0P	8.10	LT	46+10.0P	16.10	LT	E. PLEASANT ST.	SW06	-	8.0	-	-	-	HYDRANT LEAD
	46+10.0P	8.10	LT	46+59.7P	10.70	LT	E. PLEASANT ST.	SW06	-	-	43.0	-	-	
	45+29.2	7.3	LT	45+55.7	8.00	LT	N. MAIN ST.	SW07	-	-	27.0	-	-	
	45+55.9	8.00	LT	45+73.0	8.00	LT	S. MAIN ST.	SW07	-	-	15.0	-	-	
	45+73.0	8.00	LT	48+50.0	8.00	LT	S. MAIN ST.	SW07	-	-	277.0	-	-	
	48+50.0	8.00	LT	48+50.0	22.50	LT	S. MAIN ST.	SW07	-	15.0	-	-	-	HYDRANT LEAD
	48+50.0	8.00	LT	51+25.0	8.00	LT	S. MAIN ST.	SW07	-	-	275.0	-	-	
	51+25.0	8.00	LT	51+25.0	22.50	LT	S. MAIN ST.	SW08	-	15.0	-	-	-	HYDRANT LEAD
	51+25.0	8.00	LT	52+05.0	6.60	LT	S. MAIN ST.	SW08	-	-	80.0	-	-	
	52+05.0	6.60	LT	52+25.0	6.80	LT	S. MAIN ST.	SW08	-	-	-	20.0	-	
	52+25.0	6.80	LT	53+37.1	8.00	LT	S. MAIN ST.	SW08	-	-	-	112.0	-	
	53+37.1	8.00	LT	54+23.5	9.20	LT	S. MAIN ST.	SW08	-	-	84.0	-	-	
	54+23.5	9.20	LT	54+25.0	19.50	LT	S. MAIN ST.	SW08	-	10.0	-	-	-	HYDRANT LEAD
	54+23.5	9.20	LT	54+50.0	4.70	LT	S. MAIN ST.	SW08	-	-	26.0	-	-	
	54+50.0	4.70	LT	56+60.3	5.20	LT	S. MAIN ST.	SW09	-	-	209.0	-	-	
	56+60.3	5.20	LT	56+98.6	18.50	LT	S. MAIN ST.	SW09	-	-	42.0	-	-	
	56+98.6	18.50	LT	57+19.0	39.80	LT	S. MAIN ST.	SW09	-	-	31.0	-	-	
	57+19.0	39.80	LT	57+23.3	51.20	LT	S. MAIN ST.	SW09	-	-	12.0	-	-	
	57+76.0	56.20	LT	57+79.3	40.20	LT	S. MAIN ST.	SW10	-	-	16.0	-	-	
	57+79.3	40.20	LT	59+15.0	7.00	LT	S. MAIN ST.	SW10	-	-	149.0	-	-	
	59+15.0	7.00	LT	60+67.1	3.30	LT	S. MAIN ST.	SW10	-	-	152.0	-	-	
	60+67.1	3.30	LT	61+57.5	2.10	LT	S. MAIN ST.	SW10	-	-	90.0	-	-	
	61+57.5	2.10	LT	61+60.0	27.50	LT	S. MAIN ST.	SW11	-	24.0	-	-	-	HYDRANT LEAD
	61+57.5	2.10	LT	61+68.5	0.90	LT	S. MAIN ST.	SW11	-	-	11.0	-	-	
	61+68.5	0.90	LT	64+75.0	4.20	LT	S. MAIN ST.	SW11	-	-	306.0	-	-	
	64+75.0	4.20	LT	64+83.4	31.40	LT	S. MAIN ST.	SW11	-	34.0	-	-	-	CONNECTION
	64+75.0	4.20	LT	65+05.0	3.9	LT	S. MAIN ST.	SW11	-	-	30.0	-	-	
	65+05.0	3.9	LT	65+05.0	11.4	LT	S. MAIN ST.	SW11	-	-	5.0	-	-	
	65+05.0	11.4	LT	65+05.0	30.5	LT	S. MAIN ST.	SW11	-	17.0	-	-	-	HYDRANT LEAD
	65+05.0	3.9	LT	65+05.0	18.90	RT	S. MAIN ST.	SW11	-	-	22.0	-	-	
							UNDISTRIBUTED			10.0	20.0		30.0	
							TOTAL CATEGORY 0010, 3897-00-69		25.0	172.0	3403.0	132.0	136.0	

WATER APPURTENANCES SUMMARY

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	STREET	SHEET NO.	(SPV.0060.11) WATER VALVE & BOX 4-INCH EACH	(SPV.0060.12) WATER VALVE & BOX 6-INCH EACH	(SPV.0060.13) WATER VALVE & BOX 8-INCH EACH	(SPV.0060.14) WATER VALVE & BOX 12-INCH EACH	(SPV.0060.15) FIRE HYDRANT EACH	(SPV.0060.16) TEES 8"X8"X8" EACH	(SPV.0060.17) TEES 8"X6"X8" EACH	(SPV.0060.18) TEES 12"X4"X12" EACH	(SPV.0060.19) TEES 12"X12"X12" EACH	(SPV.0060.20) CROSSES 8"X8" EACH	(SPV.0060.21) CROSSES 12"X8" EACH	(SPV.0060.22) BEND 11.25-DEG. 6-INCH EACH	(SPV.0060.23) BEND 11.25-DEG. 8-INCH EACH	(SPV.0060.24) BEND 22.5-DEG. 8-INCH EACH	(SPV.0060.25) BEND 45-DEG. 8-INCH EACH	(SPV.0060.26) REDUCER 8"X6" EACH	(SPV.0060.27) REDUCER 12"X8" EACH	(SPV.0060.28) PLUG 8-INCH EACH
0010	29+77.0P	10.60	LT	W. PLEASANT ST.	SW03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
	30+27.0P	10.60	LT	W. PLEASANT ST.	SW03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
	32+30.6P	10.40	LT	W. PLEASANT ST.	SW04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
	32+40.4P	6.10	LT	W. PLEASANT ST.	SW04	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	32+40.4P	11.10	LT	W. PLEASANT ST.	SW04	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	32+40.4P	24.60	LT	W. PLEASANT ST.	SW04	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	32+98.9P	6.10	LT	W. PLEASANT ST.	SW04	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	33+05.6P	6.10	LT	W. PLEASANT ST.	SW04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	33+08.9P	6.10	LT	W. PLEASANT ST.	SW04	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
	33+08.9P	30.70	LT	W. PLEASANT ST.	SW04	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	33+05.9P	30.70	RT	W. PLEASANT ST.	SW04	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	33+12.2P	6.00	LT	W. PLEASANT ST.	SW04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	33+18.9P	6.00	LT	W. PLEASANT ST.	SW04	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	36+55.0P	5.70	LT	W. PLEASANT ST.	SW04	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	36+55.0P	11.00	LT	W. PLEASANT ST.	SW04	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	36+55.0P	25.20	LT	W. PLEASANT ST.	SW04	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	36+75.0P	5.70	LT	W. PLEASANT ST.	SW04	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	39+78.0P	4.00	LT	W. PLEASANT ST.	SW05	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	39+87.6P	8.00	LT	W. PLEASANT ST.	SW05	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	41+55.0P	8.00	LT	W. PLEASANT ST.	SW05	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	41+76.3P	8.00	LT	W. PLEASANT ST.	SW05	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	41+76.3P	18.00	LT	W. PLEASANT ST.	SW05	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	41+80.3P	8.00	LT	W. PLEASANT ST.	SW05	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	41+85.0P	8.00	LT	W. PLEASANT ST.	SW05	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	41+85.0P	11.3	RT	W. PLEASANT ST.	SW05	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	41+85.0P	23.70	RT	W. PLEASANT ST.	SW05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	41+92.7P	31.60	RT	W. PLEASANT ST.	SW05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	41+92.7P	39.30	RT	W. PLEASANT ST.	SW05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	42+01.3P	8.00	LT	W. PLEASANT ST.	SW05	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	42+25.0P	8.00	LT	W. PLEASANT ST.	SW05	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	42+25.0P	18.70	LT	W. PLEASANT ST.	SW05	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	42+25.0P	24.50	LT	W. PLEASANT ST.	SW05	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	45+73.8P	8.00	LT	W. PLEASANT ST.	SW06	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	46+10.0P	8.10	LT	E. PLEASANT ST.	SW06	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	46+10.0P	18.10	LT	E. PLEASANT ST.	SW06	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	46+10.0P	16.10	LT	E. PLEASANT ST.	SW06	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	46+20.0P	8.10	LT	E. PLEASANT ST.	SW06	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	46+47.7P	8.20	LT	E. PLEASANT ST.	SW06	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	46+53.9P	10.70	LT	E. PLEASANT ST.	SW06	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	46+57.7P	10.70	LT	E. PLEASANT ST.	SW06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	45+29.2	7.40	LT	N. MAIN ST.	SW07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	45+31.2	7.40	LT	N. MAIN ST.	SW07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	45+35.9	7.60	LT	N. MAIN ST.	SW07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	45+39.9	7.60	LT	N. MAIN ST.	SW07	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	45+63.0	8.00	LT	S. MAIN ST.	SW07	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	45+73.0	8.00	LT	S. MAIN ST.	SW07	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	48+50.0	8.00	LT	S. MAIN ST.	SW07	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	48+50.0	13.00	LT	S. MAIN ST.	SW07	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	48+50.0	22.50	LT	S. MAIN ST.	SW07	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	51+15.0	8.00	LT	S. MAIN ST.	SW08	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	51+25.0	8.00	LT	S. MAIN ST.	SW08	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	51+25.0	13.00	LT	S. MAIN ST.	SW08	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	51+25.0	22.50	LT	S. MAIN ST.	SW08	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	53+37.1	8.00	LT	S. MAIN ST.	SW08	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	54+23.5	9.20	LT	S. MAIN ST.	SW08	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	54+24.2	14.00	LT	S. MAIN ST.	SW08	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	54+25.0	19.50	LT	S.MAIN ST.	SW08	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	54+50.0	4.70	LT	S. MAIN ST.	SW08	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	56+60.3	5.20	LT	S. MAIN ST.	SW09	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	56+98.6	18.50	LT	HERMAN ST	SW09	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	57+13.5	33.50	LT	HERMAN ST	SW09	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	57+19.0	39.80	LT	HERMAN ST	SW09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	57+19.0	46.50	LT	HERMAN ST	SW09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	57+23.2	51.30	LT	HERMAN ST	SW10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	57+76.0	56.20	LT	HIGHLAND AVE	SW10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	57+79.3	40.20	LT	HIGHLAND AVE	SW10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	57+87.3	35.80	LT	S. MAIN ST.	SW10	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	60+67.1	3.30	LT	S.MAIN ST.	SW10	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	61+57.5	2.10	LT	S. MAIN ST.	SW11	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	61+58.1	7.60	LT	S. MAIN ST.	SW11	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	61+60.0	27.50	LT	S. MAIN ST.	SW11	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	61+68.5	0.90	LT	S. MAIN ST.	SW11	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
	64+75.0	4.20	LT	S. MAIN ST.	SW11	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
	64+75.1	14.00	LT	S. MAIN ST.	SW11	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	64+90.0	4.10	LT	S. MAIN ST.	SW11	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	65+05.0	3.90	LT	S. MAIN ST.	SW11	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	65+05.0	18.00	RT	S. MAIN ST.	SW11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	65+05.0	10.00	LT	S. MAIN ST.	SW11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	65+05.0	14.00	LT	S. MAIN ST.	SW11	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	65+05.0	30.50	LT	S. MAIN ST.	SW11	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL CATEGORY 0010, 3897-00-69					1	9	14	1	9	2	9	1	1	1	1	1	3	8	14	5	2	1

SANITARY LATERAL AND WATER SERVICE SUMMARY

CATEGORY	STATION	OFFSET DIR.	SHEET NO.	(SPV.0060.10) SANITARY WYE 8-INCH MAIN EACH	(SPV.0090.08) SANITARY LATERAL 4 OR 6-INCH LF	(SPV.0090.14) WATER SERVICE 1 TO 2-INCH LF	(SPV.0060.29) CORPORATION, CURB STOP & BOX (SET) EACH	ADDRESS	STREET	COMMENTS
0010	1+05.6I*	LT.	SW02	1	5	-	-	1000	INDUSTRIAL RD.	
	33+37.2P	LT.	SW04	-	-	21	1	217	W. PLEASANT ST.	
	34+33.8P	LT.	SW04	-	-	21	1	215	W. PLEASANT ST.	
	34+84.6P	LT.	SW04	-	-	21	1	213	W. PLEASANT ST.	
	36+32.9P	LT.	SW04	-	-	21	1	211	W. PLEASANT ST.	
	40+40.0P	LT.	SW05	-	-	19	1	205	W. PLEASANT ST.	
	40+93.4P	LT.	SW05	-	35	-	-	205	W. PLEASANT ST.	SANITARY MH #6 CONNECTION
	41+00.0P	LT.	SW05	-	-	19	1	201	W. PLEASANT ST.	
	41+62.8P	LT.	SW05	1	26	-	-	201	W. PLEASANT ST.	
	41+76.3P	LT.	SW05	-	-	42	1	109	W. PLEASANT ST.	
	41+92.8	LT.	SW05	1	31	-	-	109	W. PLEASANT ST.	
	43+00.6P	LT.	SW06	1	26	-	-	109	W. PLEASANT ST.	
	43+28.5P	LT.	SW06	-	-	18	1	109	W. PLEASANT ST.	
	43+60.4P	LT.	SW06	1	26	-	-	107	W. PLEASANT ST.	
	43+83.3P	LT.	SW06	-	-	18	1	107	W. PLEASANT ST.	
	44+64.9P	LT.	SW06	1	23	-	-	101	W. PLEASANT ST.	
	44+80.9P	LT.	SW06	1	23	-	-	101	W. PLEASANT ST.	
	44+98.1P	LT.	SW06	-	-	15	1	101	W. PLEASANT ST.	ACCESS BOX LOCATED IN PAVEMENT (SEE SPECIAL PROVISIONS)
	46+40.5P	LT.	SW06	-	-	18	1	102	E. PLEASANT ST.	
	46+00.0	RT.	SW06	-	-	36	1	103	S. MAIN ST.	
	46+23.0	LT.	SW06	-	-	22	1	100	S. MAIN ST.	
	46+67.4	RT.	SW07	-	-	36	1	107	S. MAIN ST.	
	46+70.40	RT.	SW07	-	-	36	1	107	S. MAIN ST.	
	47+47.3	RT.	SW07	-	-	36	1	119	S. MAIN ST.	
	47+70.1	LT.	SW07	-	-	22	1	112	S. MAIN ST.	
	47+75.0	LT.	SW07	-	-	22	1	112	S. MAIN ST.	
	47+87.6	RT.	SW07	-	-	37	1	119	S. MAIN ST.	
	48+36.1	LT.	SW07	-	-	22	1	120	S. MAIN ST.	
	48+80.3	RT.	SW07	-	-	37	1	129	S. MAIN ST.	
	49+14.6	LT.	SW07	-	-	21	1	126	S. MAIN ST.	
	49+84.1	LT.	SW07	-	-	21	1	130	S. MAIN ST.	
	50+20.0	LT.	SW07	-	-	21	1	134	S. MAIN ST.	
	50+41.0	LT.	SW08	-	-	21	1	138	S. MAIN ST.	
	50+75.8	LT.	SW08	-	-	21	1	140	S. MAIN ST.	
	50+81.2	RT.	SW08	-	-	37	1	131	S. MAIN ST.	
	51+32.6	LT.	SW08	-	-	21	1	142	S. MAIN ST.	
	51+70.2	LT.	SW08	-	-	21	1	144	S. MAIN ST.	
	52+31.7	RT.	SW08	-	-	36	1	131	S. MAIN ST.	
	52+42.7	LT.	SW08	-	-	22	1	148	S. MAIN ST.	
	53+26.1	LT.	SW08	-	-	21	1	150	S. MAIN ST.	
	54+39.9	RT.	SW08	-	-	37	1	RR PROP.	S. MAIN ST.	
	56+27.6	RT.	SW09	-	-	40	1	156	S. MAIN ST.	
	56+89.3	LT.	SW09	1	31	-	-	105	S. MAIN ST.	
	57+10.9	RT.	SW10	-	-	24	1	105	S. MAIN ST.	
	58+13.7	LT.	SW10	1	20	-	-	200	S. MAIN ST.	
	58+15.0	LT.	SW10	-	-	28	1	200	S. MAIN ST.	
	58+67.3	RT.	SW10	1	40	-	-	205	S. MAIN ST.	
	58+72.8	RT.	SW10	-	-	31	1	205	S. MAIN ST.	
	58+88.2	LT.	SW10	-	-	23	1	204	S. MAIN ST.	
	58+91.2	LT.	SW10	1	15	-	-	204	S. MAIN ST.	
	60+14.4	LT.	SW10	1	8	-	-	208	S. MAIN ST.	
	60+17.5	LT.	SW10	-	-	18	1	208	S. MAIN ST.	
	61+09.8	LT.	SW10	1	11	-	-	212	S. MAIN ST.	
	61+14.1	LT.	SW10	-	-	22	1	212	S. MAIN ST.	
	62+02.5	LT.	SW11	1	22			-	ALBERT ST.	
	62+17.7	LT.	SW11	-	-	34	1	-	ALBERT ST.	
	62+35.5	LT.	SW11	1	16	-	-	214	S. MAIN ST.	
	62+42.9	LT.	SW11	-	-	24	1	214	S. MAIN ST.	
	62+90.2	LT.	SW11	1	17	-	-	216	S. MAIN ST.	
	63+92.9	LT.	SW11	-	-	25	1	216	S. MAIN ST.	
	UNDISTRIBUTED				50	100				
TOTAL CATEGORY 0010, 3897-00-69				16	425	1208	43			

'*' = STATION BASED ON 'PLAN AND PROFILE: SANITARY & WATER" PLANS

SAWING PAVEMENT ITEMS

CATEGORY	STATION - STATION	LOCATION	(690.0150) SAWING ASPHALT LF	(690.0250) SAWING CONCRETE LF	COMMENTS
0010	0+65l - 1+92l*	RT	270		INDUSTRIAL RD.
	41+75P - 42+00P	LT	30		PARK STREET
	45+22 -45+37	MAINLINE	45		N. MAIN STREET
	46+40P - 46+65P	MAINLINE	30		E. PLEASANT STREET
	57+20 - 57+33	LT	35		HERMAN STREET
	57+67 - 57+85	LT	70		HIGHLAND STREET
	70+56 - 70+66	MAINLINE	35	35	S. MAIN STREET
	UNDISTRIBUTED	-	30	5	
	TOTAL CATEGORY 0010, 3897-00-69		545	40	

*' = STATION BASED ON 'PLAN AND PROFILE: SANITARY & WATER" PLANS

BASE AGGREGATE ITEMS

CATEGORY	STATION - STATION	(305.0120) BASE AGGREGATE DENSE 1 1/4-INCH TON	(312.0110) SELECT CRUSHED MATERIAL TON	COMMENTS
0010	0+65l - 1+92l*	85	160	INDUSTRIAL RD. PATCH
	41+75P - 42+00P	8	16	PARK STREET
	45+22 -45+37	12	24	N. MAIN STREET
	46+40P - 46+65P	11	22	E. PLEASANT STREET
	57+20 - 57+33	14	28	HERMAN STREET
	57+67 - 57+85	16	32	HIGHLAND STREET
	70+56 - 70+66	7	14	S. MAIN STREET
	UNDISTRIBUTED	10	20	
	TOTAL CATEGORY 0010, 3897-00-69	163	316	

NOTE: BASE AGGREGATE DENSE (1 1/4-INCH & SELECT CRUSHED MATERIAL) WERE CALCULATED USING 2.0 TONS/CY.
'*' = STATION BASED ON 'PLAN AND PROFILE: SANITARY & WATER" PLANS

ASPHALT PAVEMENT ITEMS

CATEGORY	STATION - STATION	LOCATION	THICKNESSS INCHES	(465.0105) ASPHALTIC SURFACE TON	COMMENTS
0010	0+65l - 1+92l	RT	5	50	INDUSTRIAL RD.
	41+75P - 42+00P	LT	5	4	PARK STREET
	45+22 -45+37	MAINLINE	5	7	N. MAIN STREET
	46+40P - 46+65P	MAINLINE	5	6	E. PLEASANT STREET
	57+20 - 57+33	LT	5	8	HERMAN STREET
	57+67 - 57+85	LT	5	10	HIGHLAND STREET
	70+56 - 70+66	MAINLINE	5	4	S. MAIN STREET
	UNDISTRIBUTED	-	5	13	
	TOTAL CATEGORY 0010, 3897-00-69			102	

'*' = STATION BASED ON 'PLAN AND PROFILE: SANITARY & WATER" PLANS

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
3897-00-00		
CONSTRUCTION PROJECT NUMBER 3897-00-69/70	4.01	12

PLAT OF RIGHT OF WAY REQUIRED FOR

IRON RIDGE - EAST COUNTY LINE (STH 67 - MEADOWBROOK PARK DRIVE)

CTH S — DODGE COUNTY

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT

SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN
VALVE (GAS, WATER, ETC.)
SIGN
OFF-PREMISE SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)

BRIDGE
PARCEL NUMBER 25
UTILITY NUMBER 40

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	REFERENCE LINE	R/L
RACK	RK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
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

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

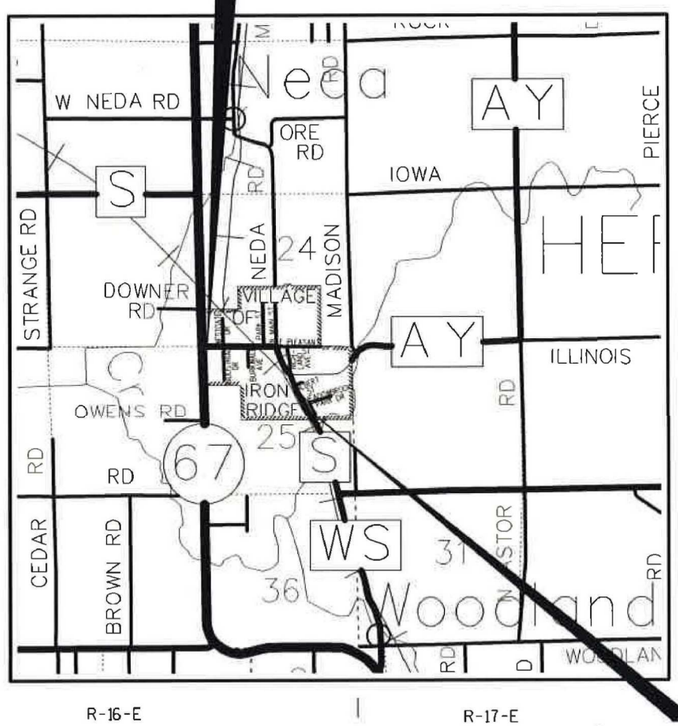
CONVENTIONAL UTILITY SYMBOLS

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

N

BEGIN RELOCATION ORDER
STA. 21+13.32P

17.56' SOUTH OF AND 138.94' EAST OF THE NORTHWEST CORNER OF SEC. 25, T-11-N, R-16-E



END RELOCATION ORDER
STA. 70+55.00

437.94' NORTH OF AND 1,604.49' WEST OF THE EAST QUARTER CORNER OF SEC. 25, T-11-N, R-16-E

LAYOUT
SCALE 0 — 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.936 MI.

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

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), DODGE COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT OF WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

EXISTING HIGHWAY RIGHT-OF-WAY ESTABLISHED FROM THE RESURVEY OF ORIGINAL PLAT OF THE VILLAGE OF IRON RIDGE, THE ASSESSORS PLAT NO. 1, AND CERTIFIED SURVEY MAPS OF RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO 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 AND 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 NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERRATE NECESSARY EQUIPMENT THEREON AND 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 NECESSARY OR DESIRABLE. BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENT ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

ACCEPTED FOR DODGE COUNTY

5-16-2016
DATE — HIGHWAY COMMISSIONER

ORIGINAL PLAT PREPARED BY

MSA PROFESSIONAL SERVICES
TRANSPORTATION • MUNICIPAL DEVELOPMENT • ENVIRONMENTAL
1230 South Boulevard Baraboo, WI 53913
608-356-2771 1-800-362-4505 Fax: 608-356-2770

© MSA PROFESSIONAL SERVICES

WISCONSIN
GREGORY P. RHINEHART
S-1478
FRIENDSHIP, WI
LAND SURVEYOR

DATE: 5/10/16 Gregory P. Rhinehart
(Registered Land Surveyor)

REVISION DATE
8-18-2016 N.C.

E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\RIGHT OF WAY\PLAT TITLE.DWG PLOT DATE : 5/11/2016 8:44 AM PLOT BY : BRAD LEE PLOT NAME :

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 COUNTY.

PARCEL NUMBER	SHEET NUMBER	OWNER (S)	INTEREST REQUIRED	R/W NEW ACRES	R/W EXISTING ACRES	R/W TOTAL ACRES	TLE ACRES	PLE ACRES
1	4.05	SCOTT A GOETZKE & AMY L SWANSON	TLE	---	---	---	0.01 AC	---
2	4.05	MICHAEL A COLLINS	TLE	---	---	---	0.07 AC	---
3	4.05	JAMES R MARX	FEE & TLE	0.01 AC	---	0.01 AC	0.03 AC	---
4	4.05	X-CEL TOOLING INC	TLE	---	---	---	0.13 AC	---
6	4.05 - 4.06	DARLENE A WILLIAMS & JEREMY R BALLARD	TLE	---	---	---	0.05 AC	---
7	4.05 - 4.06	THERMASYS CORPORATION	FEE & TLE	0.03 AC	---	0.03 AC	0.15 AC	---
8	4.06	GREGORY R & TIERNEY M EIRING RONALD W KNUEPPEL MARK SCHOENBERGER CRAIG A BECKER ESTATE OF EDNA MARION PERRINE TIMOTHY A & DAWN M REINKE ANN D MICHELS LINDA M HOWE	FEE & TLE	0.01 AC	---	0.01 AC	0.08 AC	---
9	4.06 - 4.08	VILLAGE OF IRON RIDGE	FEE, PLE, & TLE	0.02 AC	0.03 AC	0.05 AC	0.15 AC	0.05 AC
11	4.06 - 4.07	HANNI PROPERTIES, LLC	FEE & TLE	0.01 AC	0.24 AC	0.25 AC	0.09 AC	---
12	4.06 - 4.07	MARION J & JUDITH M REISETTER	FEE & TLE	0.01 AC	0.22 AC	0.23 AC	0.08 AC	---
14	4.07	ROY L & KAREN M SQUIRES	FEE & TLE	---	0.06 AC	0.06 AC	0.02 AC	---
15	4.07	A ONE OIL, LLC	TLE	---	---	---	0.07 AC	---
17	4.07	UNITED COOPERATIVE	FEE & TLE	---	0.02 AC	0.02 AC	0.01 AC	---
18	4.07	CLARENCE & DARLENE H WENDORFF	FEE & TLE	---	0.20 AC	0.20 AC	0.07 AC	---
19	4.08	MARILYN B PARISE-KOHN	FEE & TLE	---	0.07 AC	0.07 AC	0.05 AC	---
21	4.08	TROY A & AMY S KUEHL	FEE & TLE	---	0.04 AC	0.04 AC	0.01 AC	---
23	4.08	RYAN T SCHMITT	FEE & TLE	---	0.08 AC	0.08 AC	0.02 AC	---
24	4.08	DEAN & KARI L KELLER	FEE & TLE	---	0.04 AC	0.04 AC	0.01 AC	---
26	4.08	IRIM, LLC	TLE	---	---	---	0.03 AC	---
27	4.08 - 4.09	WILLIAM C KELLER JR & SUSAN KELLER	FEE & TLE	---	0.12 AC	0.12 AC	0.01 AC	---
28	4.08 - 4.09	TERRY G HODGSON	FEE & TLE	0.01 AC	---	0.01 AC	0.01 AC	---
29	4.09	JOSHUA J & LORA J ENGEL	FEE & TLE	0.01 AC	---	0.01 AC	0.01 AC	---
31	4.09	CLIFFORD L YUNK	FEE & TLE	0.01 AC	---	0.01 AC	0.01 AC	---
32	4.09	ROBIN L EHRENSBERGER	FEE & TLE	0.02 AC	---	0.02 AC	0.01 AC	---
33	4.09	JEREMY M GRIESBACH & RYAN T SCHUELKE	FEE & TLE	0.01 AC	---	0.01 AC	0.01 AC	---
34	4.09	THE STAND, LLC	FEE & TLE	0.01 AC	---	0.01 AC	0.01 AC	---
36	4.09	SCOTTIE PROPERTIES, LLC	FEE & TLE	0.01 AC	---	0.01 AC	0.02 AC	---
37	4.09	HENTZ PROPERTIES, LLC	TLE	---	---	---	0.01 AC	---
38	4.09	ROBIN L EHRENSBERGER	TLE	---	---	---	0.01 AC	---
39	4.09	KIM M ZIRBEL & TERRY J ZIRBEL	TLE	---	---	---	0.01 AC	---
41	4.09	CYNTHIA F PARULSKI	TLE	---	---	---	0.01 AC	---
42	4.09	JASON K & ANGELA M YOUNG	TLE	---	---	---	0.01 AC	---

4

4

REVISION DATE 8-18-2016

DATE MAY 10, 2016

SCALE, FEET
0 N/A

HWY: CTH S

COUNTY: DODGE

STATE R/W PROJECT NUMBER 3897-00-00

CONSTRUCTION PROJECT NUMBER 3897-00-69/70

PLAT SHEET 4.02

PS&E SHEET 135

E

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 COUNTY.

PARCEL NUMBER	SHEET NUMBER	OWNER (S)	INTEREST REQUIRED	R/W NEW ACRES	R/W EXISTING ACRES	R/W TOTAL ACRES	TLE ACRES	PLE ACRES
43	4.09 - 4.10	IRON RIDGE INN, LLC	FEE, PLE, & TLE	0.09 AC	---	0.09 AC	0.11 AC	0.09 AC
44	4.09 - 4.10	ANGELA L HONKAN	TLE	---	---	---	0.01 AC	---
46	4.10	JOHN SCHAEFER & RICKY DAVIS	TLE	---	---	---	0.01 AC	---
47	4.10	RICHARD R BIRA JR.	TLE	---	---	---	0.01 AC	---
48	4.10	BARBARA J KLOCKOW & ROBERT F KLOCKOW JR.	TLE	---	---	---	0.01 AC	---
49	4.10	TROY B MAASER	FEE & TLE	0.03 AC	---	0.03 AC	0.05 AC	---
51	4.10 - 4.11	HORICON STATE BANK	FEE & TLE	0.06 AC	---	0.06 AC	0.02 AC	---
52	4.11	MICHAEL A STEHLI & BRIANNA B FRANK	FEE & TLE	0.01 AC	---	0.01 AC	0.01 AC	---
53	4.11	KRISTOPHER J PHILLIP & HOLLY M WEBER	TLE	---	---	---	0.04 AC	---
54	4.11	THEODORE HAZELBERG	TLE	---	---	---	0.02 AC	---
56	4.11	MATTHEW R KABITZKE	TLE	---	---	---	0.01 AC	---
57	4.11	DARRELL R PERSON	FEE & TLE	0.01 AC	---	0.01 AC	0.02 AC	---
58	4.11	MERLIN H HEINECKE & LAURIE A MOLDENHAUER	FEE & TLE	0.01 AC	---	0.01 AC	0.01 AC	---
59	4.11 - 4.12	DONALD & JERELYN BILGRIEN	TLE	---	---	---	0.03 AC	---
61	4.12	DON A & MARY ANNE EVJE	FEE & TLE	---	0.09 AC	0.09 AC	0.04 AC	---
62	4.12	MEADOWBROOK PARK COMMUNITY, LLC	FEE & TLE	0.02 AC	---	0.02 AC	0.22 AC	---
100	4.05 & 4.08	AT&T	RELEASE OF RIGHTS	---	---	---	---	---
101	4.06, 4.10, 4.11, & 4.12	WE ENERGIES (GAS)	RELEASE OF RIGHTS	---	---	---	---	---
102	4.05 & 4.11	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS	---	---	---	---	---
103	4.07, 4.08, 4.10, & 4.11	VILLAGE OF IRON RIDGE (WATER)	RELEASE OF RIGHTS	---	---	---	---	---
104	4.09 & 4.10	CHARTER	RELEASE OF RIGHTS	---	---	---	---	---
105	4.05 - 4.08, & 4.12	FRONTIER	RELEASE OF RIGHTS	---	---	---	---	---
106	4.08 & 4.10	VILLAGE OF IRON RIDGE (SANITARY)	RELEASE OF RIGHTS	---	---	---	---	---

4

4

REVISION DATE 8-18-2016

DATE MAY 10, 2016

SCALE, FEET 0 N/A

HWY: CTH S

COUNTY: DODGE

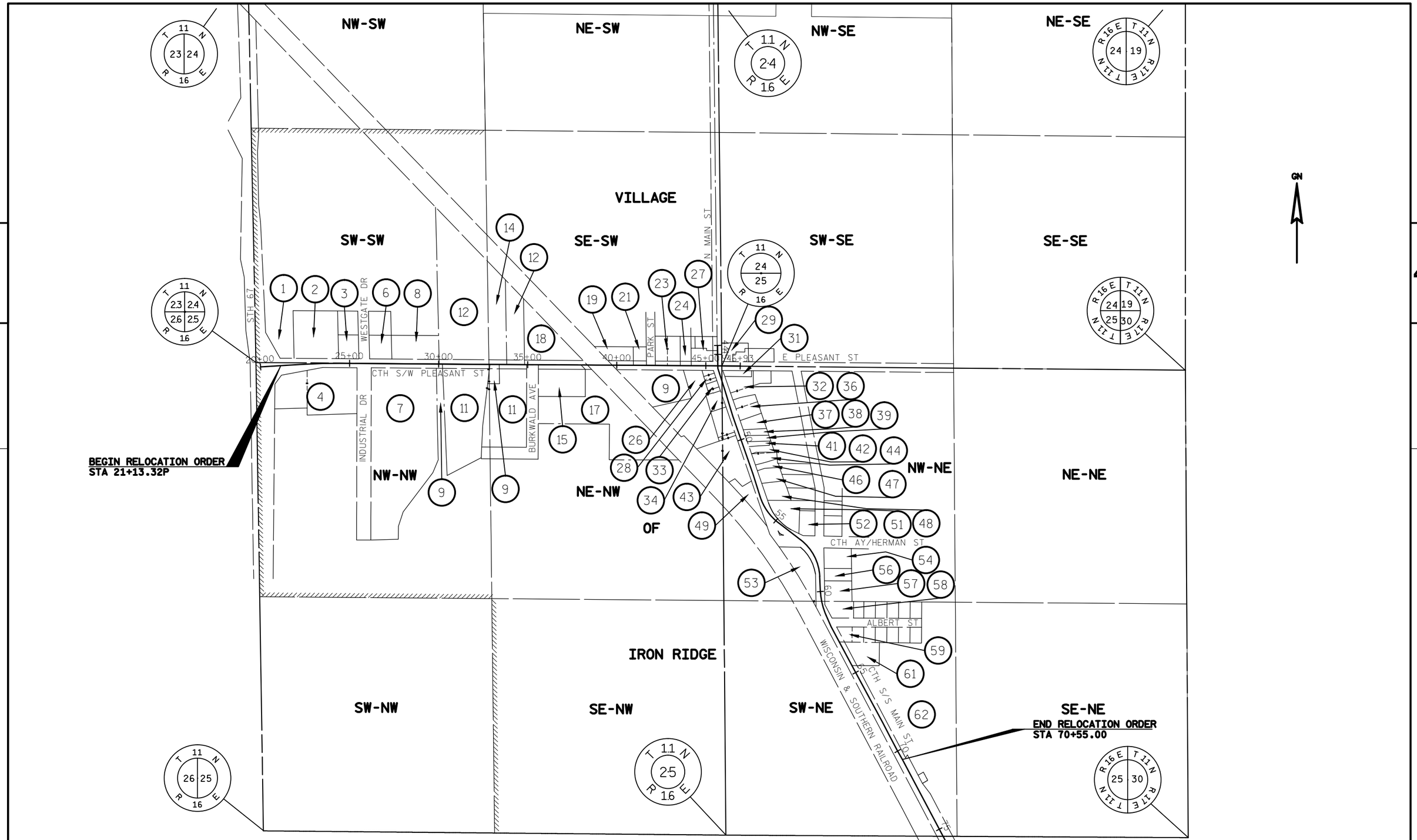
STATE R/W PROJECT NUMBER 3897-00-00

CONSTRUCTION PROJECT NUMBER 3897-00-69/70

PLAT SHEET 4.03

PS&E SHEET 136

E



REVISION DATE 8-18-2016	DATE MAY 10, 2016	NOT TO SCALE	HWY: CTH S	STATE R/W PROJECT NUMBER 3897-00-00	PLAT SHEET 4.04
			COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 3897-00-69/70	PS&E SHEET 137 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\RIGHT OF WAY\OVERVIEW.DWG PLOT DATE : 8/18/2016 8:14 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1:500000_XREF

4

R/W POINT COORDINATES

PT. NO.	Y	X
100	702,517.37	926,100.23
101	702,514.19	926,525.14
102	702,528.42	926,525.25
103	702,533.29	926,541.86
105	702,513.62	926,602.34
500	702,422.37	926,107.96
501	702,465.58	926,339.61
502	702,464.14	926,532.06
503	702,441.73	926,611.99
504	702,447.65	926,621.61
505	702,463.47	926,621.74

STH 67

NORTHWEST SIDE RESURVEY

SW-SW
24-11-16

VILLAGE OF IRON RIDGE

SCOTT A GOETZKE & AMY L SWANSON
1
HSE.
LOT 6

MICHAEL A COLLINS
2
HSE.
LOT 7

LOT 1 CSM 964 DOC. 625440 V. 8 PG. 30
JAMES R MARX
3
HSE.

LOT 3 CSM 964 DOC. 625440 V. 8 PG. 30
DARLENE A WILLIAMS & JEREMY R BALLARD
6
HSE.

7
THERMASYS CORPORATION

4

X-CEL TOOLING INC
NW-NW
25-11-16

LOT 1 CSM 580 DOC. 610775 V. 6 PG. 430

IRON RIDGE
BLD.
TRACT 2 CSM DOC. 558775 V. 2 PG. 247

WESTGAE DRIVE
60'

INDUSTRIAL DRIVE
80'

GN

MAG NAIL
Y = 702,493.38
X = 925,964.67

N79°57'54"E
137.66'

N04°38'58"W
41.69'

SECTION LINE

N86°31'54"E

S46°36'10"E
35.54'

BP: 20+00.00P

N04°38'58"W
53.62'

BEGIN RELOCATION ORDER
STA 21+13.32
Y = 702,475.82
X = 926,103.61

SLOPE INTERCEPT (TYP.)

PC: 22+47.19P

PT: 24+45.81P

PI = 20+00.00P
Y = 702,468.96
X = 925,990.50

PI = 23+46.54P
Y = 702,489.92
X = 926,336.40
Δ = 03°55'27" R
D = 01°58'33"
T = 99.35'
L = 198.62'
R = 2,900.00'
PC = 22+47.19P
PT = 24+45.81P

TLE SLOPES
0.01 ACRES

WE ENERGIES
TLE SLOPES
0.07 ACRES

CHARTER
TLE SLOPES
0.03 ACRES

TLE SLOPES
0.13 ACRES

TLE SLOPES
0.05 ACRES

CTH S/W PLEASANT STREET

FRONTIER

AT&T

WE ENERGIES
(ELECTRIC)

VILLAGE OF IRON RIDGE

POINT A
25+00P

POINT B

MATCH LINE SEE SHEET

MAG NAIL
Y = 702,473.84
X = 928,580.00

STA 27+00P
4.06

R/W COURSE TABLE

COURSE	BEARING	DISTANCE
100 - 101	S89°34'19"E	424.92'
101 - 102	N00°27'21"E	14.23'
102 - 103	N73°39'50"E	17.31'
105 - 106	S89°34'19"E	377.80'
500 - 501	N79°26'04"E	235.65'
501 - 502	S89°34'19"E	192.46'
503 - 504	N58°22'39"E	11.30'
504 - 505	N00°27'21"E	15.82'
505 - 506	S89°34'19"E	258.00'

REVISION DATE 8-18-2016	DATE MAY 10, 2016	SCALE, FEET 0 25 50	HWY: CTH S	STATE R/W PROJECT NUMBER 3897-00-00	PLAT SHEET 4.05
			COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 3897-00-69/70	PS&E SHEET 138 E

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
106 - 107	N00°27'21"E	14.01'
107 - 108	S89°32'39"E	25.00'
108 - 109	S00°27'21"W	14.00'
506 - 507	S00°27'21"W	10.94'
507 - 508	S89°32'39"E	95.00'
508 - 509	S00°27'21"W	15.00'
509 - 510	S89°32'39"E	45.00'
510 - 511	N00°27'21"E	26.01'

R/W POINT COORDINATES		
PT. NO.	Y	X
106	702,510.79	926,980.13
107	702,524.80	926,980.24
108	702,524.60	927,005.24
109	702,510.61	927,005.13
506	702,461.54	926,879.73
507	702,450.60	926,879.65
508	702,449.84	926,974.64
509	702,434.85	926,974.52
510	702,434.49	927,019.52
511	702,460.50	927,019.73

4

4

GN

SW-SW
24-11-16

PL

DARLENE A WILLIAMS
& JEREMY R BALLARD
6

LOT 3
CSM 964
DOC. 625440
V. 8 PG. 30

GREGORY R & TIERNEY M EIRING
RONALD W KNUEPPEL
MARK SCHOENBERGER
CRAIG A BECKER
ESTATE OF EDNA MARION PERRINE
TIMOTHY A & DAWN M REINKE
ANN D MICHELS
LINDA M HOWE

WESTRIDGE
CONDOMINIUM
8

CONDO

CONDO

MARION J &
JUDITH M REISETTER
12

LOT 1
CSM 2264
DOC. 711301
V. 14 PG. 107

HSE.

FRONTIER 105

VILLAGE

TLE SLOPES
0.08 ACRES

TLE SLOPES
0.06 ACRES

CHARTER

MAG NAIL
Y = 702,493.38
X = 925,964.67

VILLAGE OF
IRON RIDGE

POINT C (106)

CTH S/W PLEASANT STREET

SECTION LINE

WE ENERGIES

SEE SHEET MATCH LINE

MATCH LINE SEE SHEET

SLOPE INTERCEPT (TYP.)

AT&T

TLE SLOPES
0.15 ACRES

TLE SLOPES
0.06 ACRES

TLE SLOPES
0.01 ACRES

7
THERMASYS
CORPORATION

101 WE ENERGIES (GAS)

IRON RIDGE

11
HANNI
PROPERTIES, LLC

9
VILLAGE OF
IRON RIDGE

NW-NW
25-11-16

BLD.

BLD.

CSM 1117
DOC. 631591
V. 8 PG. 290

MAG NAIL
Y = 702,473.84
X = 928,580.00

PI = 31+80.52P
Y = 702,483.29
X = 927,170.44

REVISION DATE 8-18-2016 N.C.	DATE MAY 10, 2016	HWY: CTH S	STATE R/W PROJECT NUMBER 3897-00-00
	SCALE, FEET 0 25 50	COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 3897-00-69/70

PLAT SHEET 4.06
PS&E SHEET 139
E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\RIGHT OF WAY\PLAT SHTS.DWG
PLOT DATE : 8/18/2016 8:14 AM
PLOT BY : BRAD LEE
PLOT NAME :
PLOT SCALE : 1:50_XREF
WISDOT/CADDS SHEET 75

4

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
109 - 110	S89°34'19"E	795.85'
511 - 512	S89°34'19"E	464.37'
513 - 514	S89°34'19"E	299.34'

R/W POINT COORDINATES		
PT. NO.	Y	X
110	702,504.66	927,800.95
512	702,457.03	927,484.08
513	702,456.53	927,550.08
514	702,454.30	927,849.41

LOT 1

SW-SW
24-11-16

LOT 2
CSM 2264
DOC. 711301
V. 14 PG. 107

LOT 3

SE-SW
24-11-16

ELIZABETH ROHLINGER ESTATE
NORTH SIDE RESURVEY

BLD.

LOT 17

CLARENCE & DARLENE H WENDORFF
18

VILLAGE

MARION J & JUDITH M REISETTER
12

ROY L & KAREN M SQUIRES
14

HSE.

MARION J & JUDITH M REISETTER
12

BLD.

PL 16TH LINE

PL

10' EASEMENT
DOC. 656959
V. 566 PG. 363

WISCONSIN & SOUTHERN RAILROAD

GN

100'

WISCONSIN DEPARTMENT OF TRANSPORTATION

SECTION LINE

0.14

MAG NAIL
Y = 702,493.38
X = 925,964.67

4.06
STA 32+50P

TLE SLOPES
0.02 ACRES

S89°40'28"E
45.00'
32+75.00P
30.00' TLE

N81°14'07"E
25.32'
33+00.00P
34.00' TLE

100.00'
S89°40'28"E

34+00.00P
-34.00' TLE
N00°19'32"E
2.00'
34+00.00P
-36.00' TLE

S89°40'28"E
50.00'
34+50.00P
-36.00' TLE
S00°19'32"W
2.00'
34+50.00P
-34.00' TLE

VILLAGE OF IRON RIDGE

SLOPE INTERCEPT (TYP.)

TLE SLOPES
0.07 ACRES

352.10'
S89°40'28"E

CHARTER

38+01.92P
-34.02' TLE

S43°53'46"E
12.62'

N85°14'52"E
128.94'

PI: 38+82.61P

STA 39+00P
4.08

MAG NAIL
Y = 702,473.84
X = 928,580.00

OF

2,615.40'
S89°34'19"E

33+00P
34+00P
35+00P
36+00P
37+00P
38+00P
39+

110
38+10.77P
-25.02'

34.95'

754.84'

SECTION LINE

S89°21'59"E
34.80'

N89°35'39"W
707.50'

SEE SHEET
MATCH LINE

MATCH LINE
SEE SHEET

FRONTIER

50'

512
34+94.31P
24.48'

21+00.00B=
35+27.45P

513
35+60.31P
24.60'

CTH S/W PLEASANT STREET

WE ENERGIES

AT&T

514
POINT D
38+59.78P
24.81'

S89°34'19"E
66.00'

10' WATERMAIN EASEMENT
S89°40'28"E
78.00'

TLE SLOPES
0.03 ACRES

S89°40'28"E
309.88'

20' WATERMAIN EASEMENT

15.16'

38+70.41P
35.62' TLE

STA 38+35.38

TLE SLOPES
0.01 ACRES

TLE SLOPES
0.01 ACRES

33+70.00P
29.00' TLE
S00°19'32"W
11.00'
33+70.00P
40.00' TLE
S89°40'28"E
27.00'
33+97.00P
40.00' TLE
N00°19'32"E
11.00'
33+97.00P
29.00' TLE

34+75.00P
29.00' TLE
S69°46'52"E
20.57'
34+94.34P
36.00' TLE
S00°10'02"W
11.52'

N00°10'02"E
11.40'
35+60.34P
36.00' TLE

TLE SLOPES
0.07 ACRES

CANOPY

PI: 37+99.00P

20+00.00B

66'

11
HANNI PROPERTIES, LLC

OUTLOT 1

9
VILLAGE OF IRON RIDGE

PL

FRONTIER
105

11
HANNI PROPERTIES, LLC

BLD.

LOT 1

CSM 1678
DOC. 666941
V. 11 PG. 147

103
VILLAGE OF IRON RIDGE (WATER)

15
BLD.

A ONE OIL, LLC

IRON RIDGE

LOT 1
CSM 6950
DOC. 1216397
V. 47 PG. 230

17
UNITED COOPERATIVE

LOT 2
CSM 6950
DOC. 1216397
V. 47 PG. 230

NW-NW
25-11-16

NE-NW
25-11-16

BURKWALD AVENUE

16TH LINE

20' SANITARY EASEMENT

20' INGRESS & EGRESS EASEMENT

20' INGRESS & EGRESS EASEMENT

PI = 37+99.00P
Y = 702,479.78
X = 927,788.91

PI = 38+82.61P
Y = 702,478.85
X = 927,872.51

T 11 N
R 16 E
23 24
26 25

T 11 N
R 16 E
24
25

REVISION DATE 8-18-2016 N.C.	DATE MAY 10, 2016	SCALE, FEET 0 25 50	HWY: CTH S	STATE R/W PROJECT NUMBER 3897-00-00	PLAT SHEET 4.07
			COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 3897-00-69/70	PS&E SHEET 140 E

4

R/W POINT COORDINATES		
PT. NO.	Y	X
111	702,503.62	927,940.73
112	702,502.00	928,156.64
113	702,501.63	928,206.15
515	702,453.25	927,989.19

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
111 - 112	S89°34'19"E	215.91'
113 - 114	S89°34'19"E	323.58'
515 - 200	S89°34'19"E	82.62'
200 - 201	S89°34'19"E	47.94'
201 - 516	S89°34'19"E	408.92'

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
200 - 201	S89°34'19"E	47.95'
201 - 202	S00°19'52"W	12.71'
202 - 203	N89°40'08"W	28.59'
203 - 204	S03°21'42"W	87.22'
204 - 205	N43°53'46"W	27.23'
205 - 200	N03°21'42"E	80.48'

PLE POINT COORDINATES		
PT. NO.	Y	X
200	702,452.63	928,071.81
201	702,452.28	928,119.75
202	702,439.57	928,119.68
203	702,439.74	928,091.08
204	702,352.67	928,085.97
205	702,372.29	928,067.09

PI = 39+46.99P
Y = 702,487.63
X = 927,936.89

REVISION DATE 8-18-2016	DATE MAY 10, 2016	SCALE, FEET 0 25 50	HWY: CTH S	STATE R/W PROJECT NUMBER 3897-00-00	PLAT SHEET 4.08
			COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 3897-00-69/70	PS&E SHEET 141 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\RIGHT OF WAY\PLAT SHTS.DWG PLOT DATE : 8/18/2016 8:14 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1:50_XREF

R/W POINT COORDINATES		
PT. NO.	Y	X
114	702,499.21	928,529.71
115	702,558.70	928,529.05
116	702,559.30	928,579.05
117	702,559.36	928,583.93
118	702,498.78	928,586.01
121	702,448.66	928,599.46
122	702,432.52	928,599.31
123	702,340.67	928,628.51
124	702,244.24	928,655.80
516	702,449.22	928,528.66
517	702,442.88	928,532.98
518	702,332.34	928,568.43
519	702,182.70	928,613.86

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
114 - 115	N00°38'08"W	59.49'
116 - 117	N89°14'49"E	4.88'
117 - 118	S01°58'06"E	60.61'
121 - 122	S00°31'56"W	16.14'
122 - 123	S17°38'00"E	96.38'
123 - 124	S15°47'55"E	100.22'
124 - 125	S19°00'42"E	567.87'
516 - 517	S34°17'41"E	7.67'
517 - 518	S17°46'55"E	116.09'
518 - 519	S16°53'16"E	156.38'
519 - 210	S19°16'23"E	317.10'

PI = 45+63.22P
Y = 702,475.07
X = 928,553.11

PI = 46+93.01P
Y = 702,474.02
X = 928,682.89

GRAVES ADDITION NORTH SIDE RESURVEY

ASSESSORS PLAT NO. 1

ALUMINUM MON.
Y = 702,450.12
X = 931,181.82

ALUMINUM MON.
Y = 705,096.93
X = 928,550.90

1" IRON PIPE
Y = 699,839.35
X = 928,602.60

MAG NAIL
Y = 702,493.38
X = 925,964.67

MAG NAIL
Y = 702,473.84
X = 928,580.00

PI = 44+49.79
Y = 702,589.21
X = 928,556.03

PI = 45+78.30
Y = 702,460.71
X = 928,557.72

PI = 47+04.04
Y = 702,340.98
X = 928,596.12

PI = 48+60.04
Y = 702,191.70
X = 928,641.44

REVISION DATE 8-18-2016	DATE MAY 10, 2016	SCALE, FEET 0 25 50	HWY: CTH S	STATE R/W PROJECT NUMBER 3897-00-00	PLAT SHEET 4.09
			COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 3897-00-69/70	PS&E SHEET 142 E

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
126 - 127	S47°47'10"E	60.08'
127 - 128	S46°01'09"E	59.22'
210 - 520	S19°16'23"E	25.16'
520 - 211	S17°34'07"E	16.48'
211 - 521	S17°34'07"E	118.08'
522 - 523	S19°00'42"E	146.44'

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
210 - 520	S19°16'23"E	25.17'
520 - 211	S17°34'07"E	16.48'
211 - 212	S87°31'36"W	105.88'
212 - 213	N57°06'25"W	79.82'
213 - 214	N43°53'46"W	52.84'
214 - 215	N32°53'35"E	27.92'
215 - 216	S57°06'25"E	118.51'
216 - 210	N87°31'36"E	81.57'

PLE POINT COORDINATES		
PT. NO.	Y	X
210	701,883.37	928,718.53
211	701,843.90	928,731.81
212	701,839.33	928,626.02
213	701,882.68	928,559.00
214	701,920.76	928,522.36
215	701,944.21	928,537.53
216	701,879.85	928,637.04

R/W POINT COORDINATES		
PT. NO.	Y	X
125	701,707.34	928,840.79
126	701,663.19	928,866.48
127	701,622.82	928,910.97
520	701,859.61	928,726.84
521	701,731.33	928,767.45
522	701,667.28	928,801.71
523	701,528.82	928,849.41

ASSESSORS PLAT NO. 1

HORICON STATE BANK (51)

103 VILLAGE OF IRON RIDGE (WATER)

101 WE ENERGIES (GAS)

SEE SHEET MATCH LINE

54+15.00 -33.00' TLE S57°33'15"W 4.03'

54+15.00 -28.97' TLE

125 - 126 L = 51.15' LC = 51.09 LCB = S30°11'34"E R = 298.79'

LOT 19

127 55+10.57 -31.41'

126 54+43.90 -27.77'

S22°21'13"E

STA 55+50 4.11

PT 55+19.24P

BARBARA J KLOCKOW & ROBERT F KLOCKOW JR.

L = 24.95' LC = 24.95' LCB = S27°40'52"E R = 298.79'

LOT 18

53+75.00 34.00' TLE

S27°00'59"E 35.52'

TLE SLOPES 0.01 ACRES

55+00

CTH S/S MAIN STREET

POINT K

53+87.35 (125) -29.89'

54+00

IP

55+20.15 80.51' (523)

523 - 524 L = 87.22' LC = 87.21' LCB = S36°13'54"E R = 2,975.00'

WISCONSIN DEPARTMENT OF TRANSPORTATION

IRON RIDGE

VILLAGE OF

54+03.86 23.66' (522)

54+31.03 31.00' TLE

S50°06'59"E 24.46'

54+10.00 38.00' TLE

S32°36'02"E 62.91'

SLOPE INTERCEPT (TYP.)

106 VILLAGE OF IRON RIDGE (SANITARY)

521 - 522 L = 72.79' LC = 72.64' LCB = S28°08'10"E R = 325.13'

53+55.00 45.00' TLE

53+37.12 29.00' (521)

S11°41'05"E 72.05'

TLE SLOPES 0.05 ACRES

49 TROY B MAASER

52+86.00 37.00' TLE

41.00'

S17°34'07"E 30.00'

104 CHARTER

52+15.00 44.00' TLE

115'

S19°50'44"E 936.32'

S18°47'24"E 809.64'

WISCONSIN & SOUTHERN RAILROAD

JOHN SCHAEFER & RICKY DAVIS

ANGELA L HONKAN

44 NW-NE 25-11-16

LOT 15

LOT 17

46

LOT 16

VILLAGE OF IRON RIDGE

RICHARD R BIRA JR.

47

48 BLD.

N70°43'37"E 1.20' 51+93.50 -32.00' TLE

51+93.50 -30.80' TLE

N70°43'37"E 1.00' 51+41.00 -31.00' TLE

51+41.00 -30.00' TLE

S70°43'37"W 1.90' 51+20.00 30.10' TLE

51+20.00 -30.10' TLE

TLE SLOPES 0.01 ACRES

BLD.

S19°16'23"E 25.50'

51+66.50 31.00' TLE

S18°50'55"E 27.00'

S19°00'01"E 21.00'

52+02.14 dP

52+70.00 -32.90' TLE

TLE SLOPES 0.01 ACRES

77.46'

P: S18°26'06"E 362.06'

WE ENERGIES S17°34'07"E

POINT J

52+00

53+00

52+19.05 29.00' PLE (211)

52+02.57 29.00' (520)

51+76.54 29.00' PLE (210)

S19°16'23"E 60'

4.09 STA 51+00

SEE SHEET MATCH LINE

TLE SLOPES 0.03 ACRES

LOT 2 CSM 2934 DOC. 759210 V. 17 PG. 136

51+50.00 34.00' TLE S70°43'37"W 4.00' 51+50.00 38.00' TLE

51+52.97 107.09' PLE (216)

EASEMENT DOC. 824655 V. 878 PG. 63

BLOCK 5 MCDUFFY'S PLAT

51+87.57 130.86' PLE (212)

52+45.00 37.00' TLE N72°25'53"E 7.00' 52+45.00 44.00' TLE

PLE DRAINAGE 0.09 ACRES

43 IRON RIDGE INN, LLC

MAG NAIL Y = 702,473.84 X = 928,580.00

T 11 N R 16 E 24 25

QUARTER LINE S00°29'30"E 2,634.58'

1" IRON PIPE Y = 699,839.35 X = 928,602.60

T 11 N R 16 E 25

NE-NW 25-11-16

51+24.53 179.81' PLE (213)

50+59.37 179.78' PLE (215)

50+76.50 201.83' PLE (214)

PI = 52+02.14
Y = 701,868.78
X = 928,754.35

PI = 54+31.07
Y = 701,650.52
X = 928,823.46
Δ = 34°47'06" L
D = 19°05'55"
T = 93.97'
L = 182.13'
R = 300.00'
PC = 53+37.10
PT = 55+19.24

REVISION DATE 8-18-2016	DATE MAY 10, 2016	SCALE, FEET 0 25 50	HWY: CTH S	STATE R/W PROJECT NUMBER 3897-00-00	PLAT SHEET 4.10
			COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 3897-00-69/70	PS&E SHEET 143 E

R/W POINT COORDINATES		
PT. NO.	Y	X
128	701,581.70	928,953.58
129	701,550.87	928,994.20
130	701,531.27	929,015.25
131	701,521.35	929,035.80
132	701,519.80	929,102.07
133	701,518.64	929,152.07
134	701,452.60	929,152.78
135	701,214.59	929,156.98
136	701,198.98	929,158.15
137	701,082.27	929,187.62
138	701,058.49	929,198.23
139	701,008.38	929,224.25
524	701,458.48	928,900.96
525	701,455.66	929,021.78
526	701,305.79	929,105.36
527	701,120.49	929,108.63

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
128 - 129	S52°47'33"E	51.00'
129 - 130	S47°03'20"E	28.77'
130 - 131	S64°13'35"E	22.81'
131 - 132	S88°39'50"E	66.29'
134 - 135	S01°00'40"E	238.05'
135 - 136	S04°17'13"E	15.65'
137 - 138	S24°02'55"E	26.04'
524 - 525	S88°39'50"E	120.85'
526 - 527	S01°00'40"E	185.33'

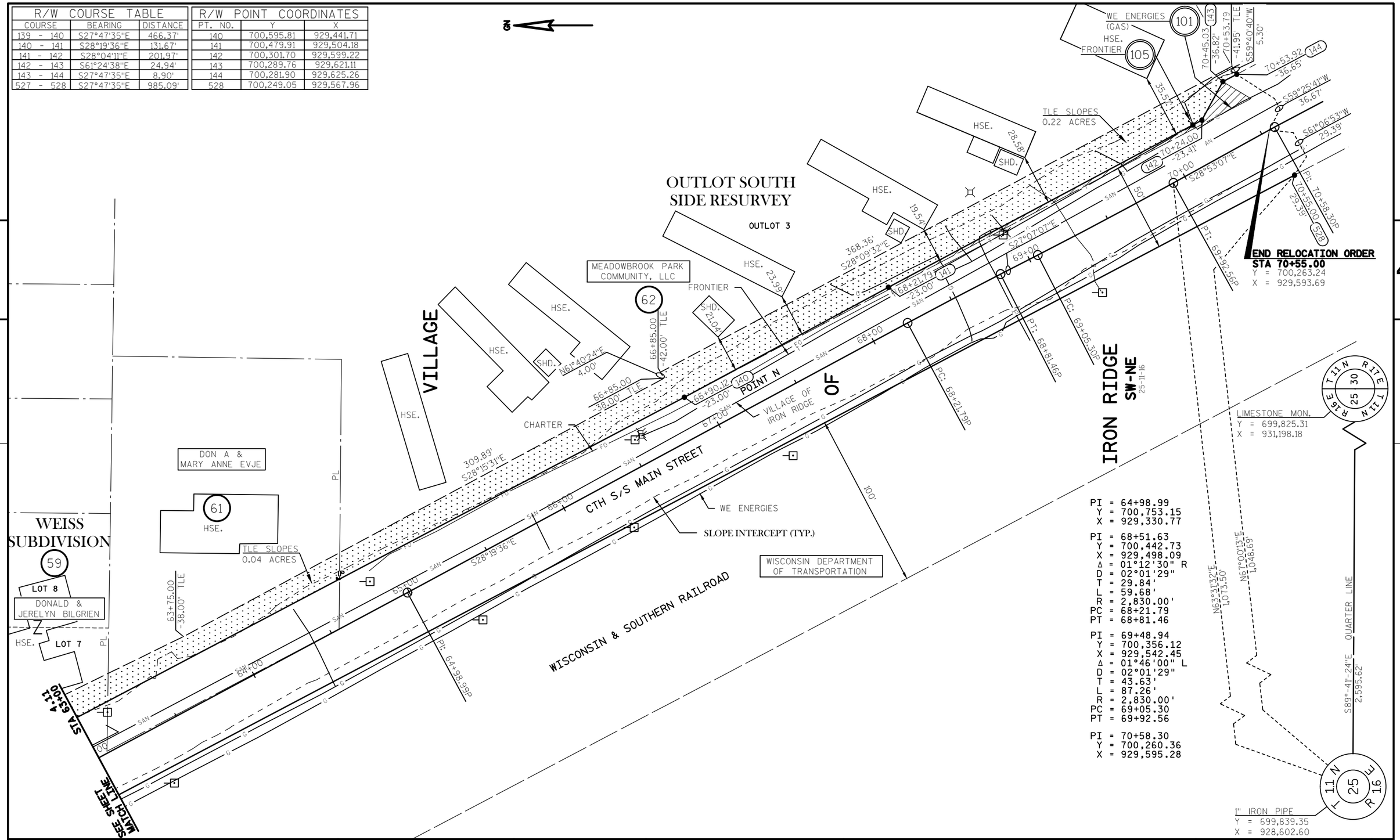
REVISION DATE 8-18-2016 N.C.	DATE MAY 10, 2016	SCALE, FEET 0 25 50	HWY: CTH S	STATE R/W PROJECT NUMBER 3897-00-00	PLAT SHEET 4.11
			COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 3897-00-69/70	PS&E SHEET 144 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\RIGHT OF WAY\PLAT SHTS.DWG PLOT DATE : 8/18/2016 8:14 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1:50_XREF

WISDOT/CADDS SHEET 75

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
139 - 140	S27°47'35"E	466.37'
140 - 141	S28°19'36"E	131.67'
141 - 142	S28°04'11"E	201.97'
142 - 143	S61°24'38"E	24.94'
143 - 144	S27°47'35"E	8.90'
527 - 528	S27°47'35"E	985.09'

R/W POINT COORDINATES		
PT. NO.	Y	X
140	700,595.81	929,441.71
141	700,479.91	929,504.18
142	700,301.70	929,599.22
143	700,289.76	929,621.11
144	700,281.90	929,625.26
528	700,249.05	929,567.96



REVISION DATE 8-18-2016 N.C.	DATE MAY 10, 2016	SCALE, FEET 0 25 50	HWY: CTH S	STATE R/W PROJECT NUMBER 3897-00-00	PLAT SHEET 4.12
			COUNTY: DODGE	CONSTRUCTION PROJECT NUMBER 3897-00-69/70	PS&E SHEET 145 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\RIGHT OF WAY\PLAT SHTS.DWG PLOT DATE : 8/18/2016 8:14 AM PLOT BY : BRAD LEE PLOT NAME : PLOT SCALE : 1:50_XREF

WISDOT/CADDS SHEET 75

SCOTT A GOETZKE &
AMY L SWANSON

MICHAEL A COLLINS

JAMES MARX

BEGIN PROJECT 3897-00-70
STA 21+25.00P

STA 21+50P
ASPH PE LT

STA 23+15P
ASPH PE LT

STA 23+14P
REMOVE EXISTING 18" PIPE
1-18" CP CLASS III-A
2-AEW'S REQ'D

REMOVE EXISTING SS PIPE
STA 25+80P LT

STH 67/CTH S

WESTGATE DRIVE

BP: 20+00.00P

CLEARING &
GRUBBING

EXISTING TREE
TO REMAIN

EXISTING PIPE TO REMAIN

EXISTING R/W

EXISTING FENCE TO REMAIN

SAW CUT

TLE

PC: 22+47.19P

FRONTIER

WE ENERGIES (OH)

CHARTER (OH)

DITCH

CHARTER (FIBER)

EXISTING FENCE
TO REMAIN

FRONTIER

PT: 24+45.81P

SLOPE INTERCEPTS

WE ENERGIES

R/W

EP: 30+66.30W

SAW CUT

21P

22P

23P

24P

25P

CTH S/WEST PLEASANT ST

EP: 20+87.73I
=25+93.57P

BP: 30+00.00W
=25+82.79P

MATCH LINE
STA 26P+00

CHARTER (OH)

CHARTER (FIBER)

EXISTING R/W

SLOPE INTERCEPTS

TLE

AT&T (FIBER)

WE ENERGIES (LIGHT POLE)

FRONTIER (TEL)

DITCH

FRONTIER

TLE

REMOVE EXISTING 18" PIPE
STA 20+57I

CHARTER

SAW CUT

STH 67

X-CEL TOOLING INC.

STA 20+50I
1-18" CP CLASS III-A
2-AEW'S REQ'D

VILLAGE OF IRON RIDGE

BP: 20+00.00I

INDUSTRIAL DRIVE

5

5

STA 21+24.99
EL 921.25

-1.32%

EXISTING GROUND

VPC STA 21+90.15
VPC EL 916.47

VCL = 325.41
K = 60.62

LEFT DITCH

RIGHT DITCH

FINISHED PROFILE

VPI STA 23+52.85
VPI EL 904.56

VPT STA 25+15.55
VPT EL 901.37

-1.96%

VPC STA 25+60.00
VPC EL 900.50

VCL = 100.00
K = 215.54

926.45 925.76 924.31 922.84 921.25 921.25 919.64 919.41 917.92 917.58 916.19 915.76 914.53 914.02 912.88 912.39 911.37 910.85 909.86 909.42 908.57 908.10 907.32 906.87 906.33 905.75 905.33 904.74 904.40 903.82 903.35 903.01 902.61 902.30 901.87 901.70 901.30 901.19 900.68 900.70 900.14 900.21 899.61 899.69

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: CTH S/WEST PLEASANT ST	SHEET 146 E

DARLENE A WILLIAMS &
JEREMY R BALLARD

GREGORY R & TIERNEY M EIRING
RONALD W KNUEPPEL
MARK SCHOENBERGER
CRAIG A BECKER
SCOTT PIERCE & MATTHEW R PIERCE

TIMOTHY A & DAWN M REINKE
ANN D MICHELS
LINDA M HOWE

MARION J & JUDITH M REISETTER

N

CONCRETE SIDEWALK 4-INCH
CONCRETE CURB & GUTTER 30-INCH TYPE A
FRONTIER (TEL)
CURB RAMP TYPE 4A1
SLOPE INTERCEPT
WE ENERGIES
RETAINING WALL & RAILING PED STEEL
TLE
EXISTING R/W

STA 28+70P, LT
REMOVE EXISTING 18" PIPE
1-18" CP CLASS III-A
2-AEW'S REQ'D

STA 28+75P
ASPH PE LT
TLE
SAW CUT
RETAINING WALL & RAILING PED STEEL

VILLAGE OF IRON RIDGE
DITCH
REMOVE EXISTING GUARDRAIL
R/W
CHARTER (OH)
SLOPE INTERCEPT
TLE
CLEARING & GRUBBING
P.I. 31+80.52P
CHARTER (FIBER)

MATCH LINE STA 26P+00

26P 27P 28P CTH S/WEST PLEASANT ST 29P 30P 31P 32P

MATCH LINE STA 32P+00

R/W
WE ENERGIES (GAS)
AT&T (OH)
EXISTING R/W
SLOPE INTERCEPT
FRONTIER (TEL)
SAW CUT
STA 20+50I
1-18" CP CLASS III-A
2-AEW'S REQ'D
AT&T (COPPER)
AT&T (FIBER)
DITCH
TLE
WE ENERGIES (OH)
R/W
CONCRETE CURB & GUTTER 30-INCH TYPE A
STA 30+02P
REMOVE EXISTING PIPE ARCH CSAC 83X57-INCH
1-PACS ALUMINUM COATED 83X57-INCH
2-AEW'S REQ'D
THERMASYS CORPORATION
R/W
TLE
VILLAGE OF IRON RIDGE
REMOVE EXISTING GUARDRAIL
STA 30+75P
ASPH & BAD CE RT
STA 30+67P, RT
REMOVE EXISTING 24" PIPE
1-24" CP CLASS III-A
2-AEW'S REQ'D
HANNI PROPERTIES, LLC
STA 31+50P
ASPH CE RT
WE ENERGIES (GAS)

5

5

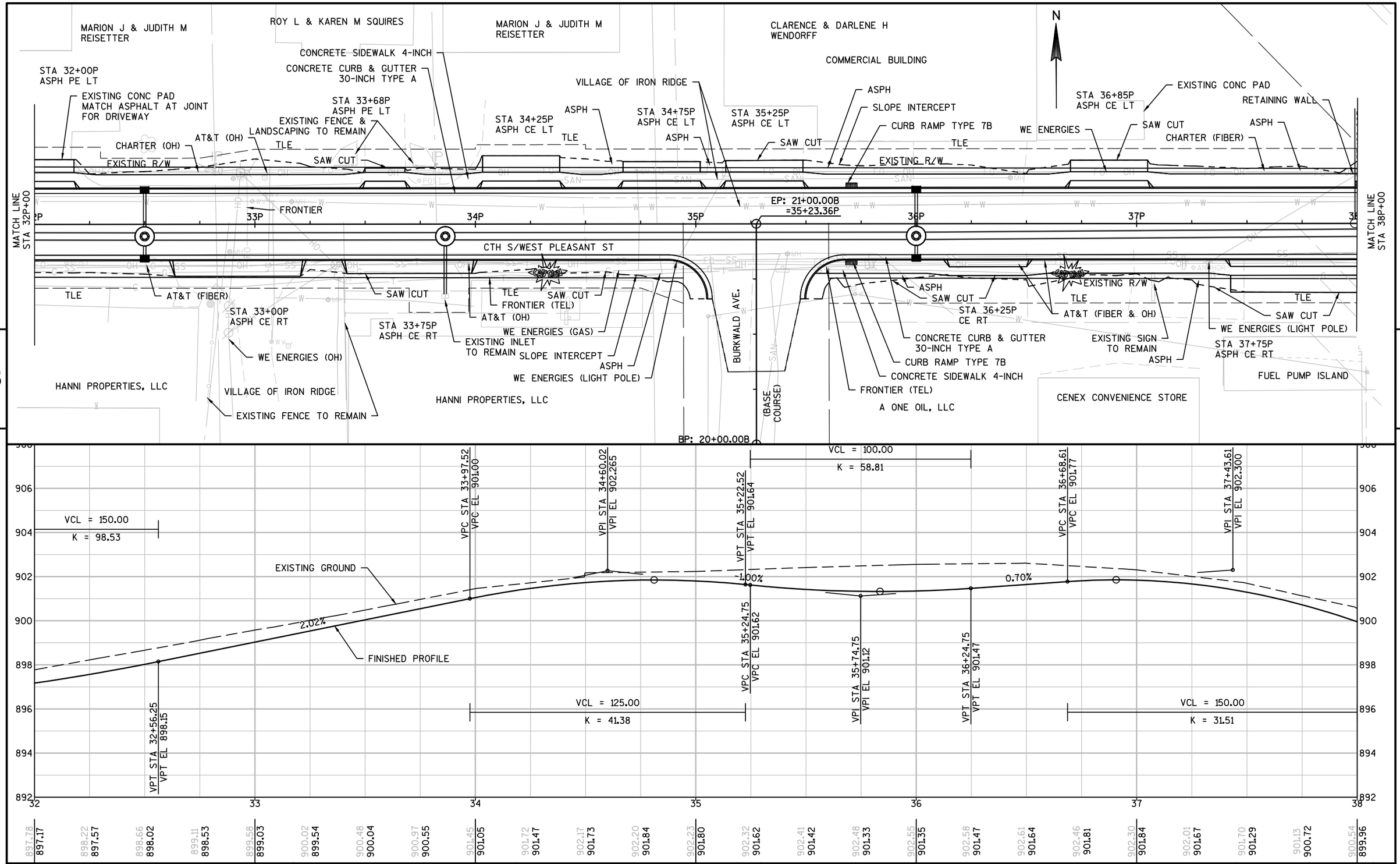
VPI STA 26+10.00
VPI EL 899.527
VPT STA 26+60.00
VPT EL 898.32
VCL = 100.00
K = 69.00
VCL = 100.00
K = 68.06
VCL = 150.00
K = 98.53
-2.42%
EXISTING GROUND
-0.97%
0.50%
FINISHED PROFILE
VCL = 100.00
K = 215.54
RIGHT DITCH
LEFT DITCH
VPC STA 27+00.00
VPC EL 897.35
VPI STA 27+50.00
VPI EL 896.14
VPT STA 28+00.00
VPT EL 895.65
VPC STA 28+12.65
VPC EL 895.53
VPI STA 28+62.65
VPI EL 895.04
VPT STA 29+12.65
VPT EL 895.29
VPC STA 31+06.25
VPC EL 896.26
VPI STA 31+81.25
VPI EL 896.63

904 902 900 898 896 894 892 890

26 27 28 29 30 31 32

899.69 899.14 898.56 897.95 897.35 896.79 896.32 895.94 895.65 895.42 895.27 895.21 895.24 895.36 895.48 895.60 895.73 895.85 895.98 896.10 896.23 896.37 896.57 896.84 897.17

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: CTH S/WEST PLEASANT ST	SHEET 147	E



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: CTH S/WEST PLEASANT ST	SHEET 148	E

STA 39+23P-STA 39+55, LT
1-CRASH CUSHIONS PERMANENT LOW MAINTENANCE

MARILYN PARISE-KOHN

VILLAGE OF IRON RIDGE

TROY A & AMY S KUEHL

RYAN T SCHMITT

DEAN & KARI L KELLER

EP: 20+92.66PS

FRONTIER

DRIVEWAY CURB STA 39+55P - STA 40+05P LT

CURB RAMP TYPE 7B

CURB RAMP TYPE 7B

SLOPE INTERCEPT

RETAINING WALL

PLACE WALL BACKFILL COARSE AGG BETWEEN WALLS

MATCH EXISTING CONC STEPS

FENCE CHAIN LINK POLYMER-COATED 4-FT ON TOP OF WALL

EXISTING RETAINING WALL TO REMAIN

REMOVE EXISTING SIDEWALK

PLACE AGG. BETWEEN EXIST WALL AND NEW WALL

CHARTER (FIBER)

CLEARING & GRUBBING

TLE

CLEARING & GRUBBING

EXISTING R/W

CURB RAMP TYPE 4A1

PARK ST

EXISTING R/W

SAW CUT

CURB RAMP TYPE 4A1

REMOVING STONE WALL-BLEND SLOPES TO DRIVEWAY WITH 6:1 SLOPES

STA 43+00P
CONC PE LT

SAWING CONC

REMOVING CURB - REPLACE IN KIND MODIFIED PED CURB

CONCRETE SIDEWALK 4-INCH

CONCRETE CURB & GUTTER 30-TYPE A

LANDSCAPING TO REMAIN

WE ENERGIES (GAS & OH)

CHARTER (OH)

TLE

CURB RAMP TYPE 7B

TOPSOIL AREA RETAINING WALL

CONCRETE SIDEWALK

CONCRETE PAD

CHARTER (OH)

WE ENERGIES (OH)

PI: 38+82.61P

PC: 39+46.99P

TLE

TLE

WE ENERGIES (GAS)

BP: 20+00.00PS
=41+90.87P

AT&T (OH)

MATCH LINE STA 38P+00

38P

39P

40P

41P

42P

43P

MATCH LINE STA 44P+00

CTH S/WEST PLEASANT ST

REMOVE EXISTING GUARDRAIL

CONCRETE PAD WE ENERGIES

CONCRETE SIDEWALK

AT&T (FIBER)

EXISTING R/W

AT&T (OH)

RETAINING WALL

CURB RAMP TYPE 7B

REMOVE EXISTING GUARDRAIL

TLE

AT&T (FIBER)

SLOPE INTERCEPT

TLE

AT&T (OH)

AT&T (FIBER)

TEMPORARY SHORING REQ'D

EXISTING R/W

AT&T (OH)

TLE

TLE

STA 38+00P
ASPH CE RT

TOPSOIL AREA

CURB RAMP TYPE 7B

DRIVEWAY CURB STA 38+28P - STA 38+78P RT

STA 38+78P-STA 39+06, RT
1-CRASH CUSHIONS PERMANENT LOW MAINTENANCE

STA 42+25P
ASPH CE RT

FRONTIER

SAW CUT

TLE

EXISTING R/W

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLE

PLE

UNITED COOPERATIVE

VILLAGE OF IRON RIDGE

WELL HOUSE

OLD FIRE STATION BUILDING

5

5

VPC STA 38+21.00
VPC EL 899.16

VPT STA 38+18.61
VPT EL 899.25

VPT STA 40+11.00
VPT EL 901.54

STA 41+41.20
EL 910.10

FINISHED PROFILE

EXISTING GROUND

-4.06%

6.57%

7.28%

VCL = 190.00
K = 17.87

VCL = 150.00
K = 31.51

910
908
906
904
902
900
898
896

926
924
922
920
918
916
914
912

38
39
40
41
42
43
44

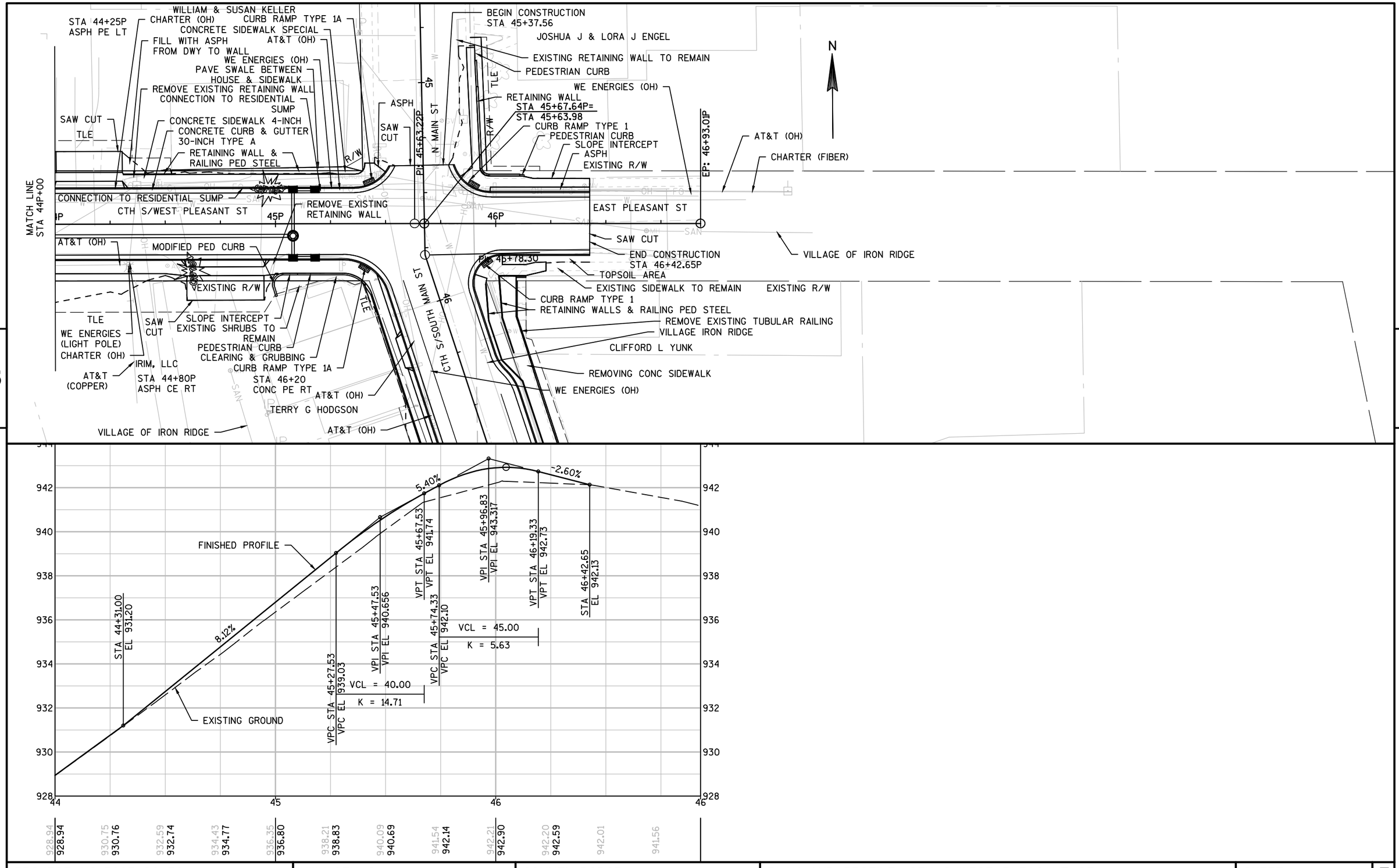
900.54	899.96	899.62	899.00	898.57	898.22	897.81	897.78	897.69	897.70	897.92	897.96	898.45	898.58	899.18	899.54	900.80	900.85	902.47	902.46	904.13	904.11	905.85	905.75	907.65	907.39	909.35	909.04	910.93	910.74	912.74	912.56	914.61	914.38	916.42	916.20	918.23	918.02	920.00	919.84	921.78	921.66	923.55	923.48	925.33	925.30	927.13	927.12	928.94	928.94

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: CTH S/WEST PLEASANT ST	SHEET 149 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\PLAN & PROFILES\CTH S URBAN P&P.DWG
LAYOUT NAME - CTH S URBAN P&P - 04

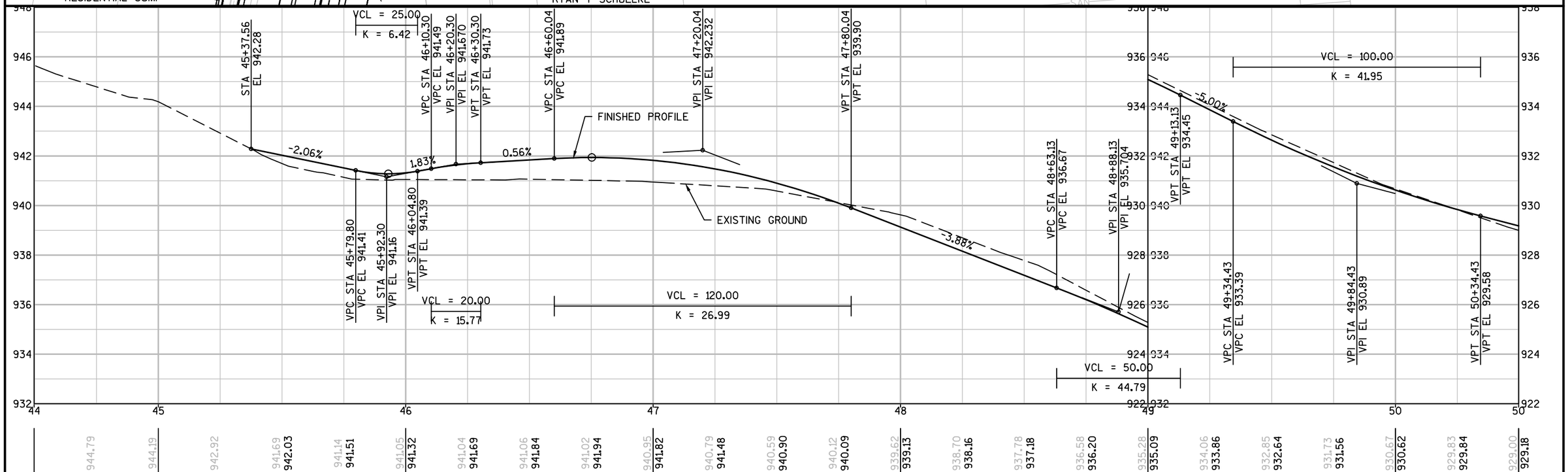
PLOT DATE : 1/4/2017 12:40 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: CTH S/WEST PLEASANT ST	SHEET 150	E

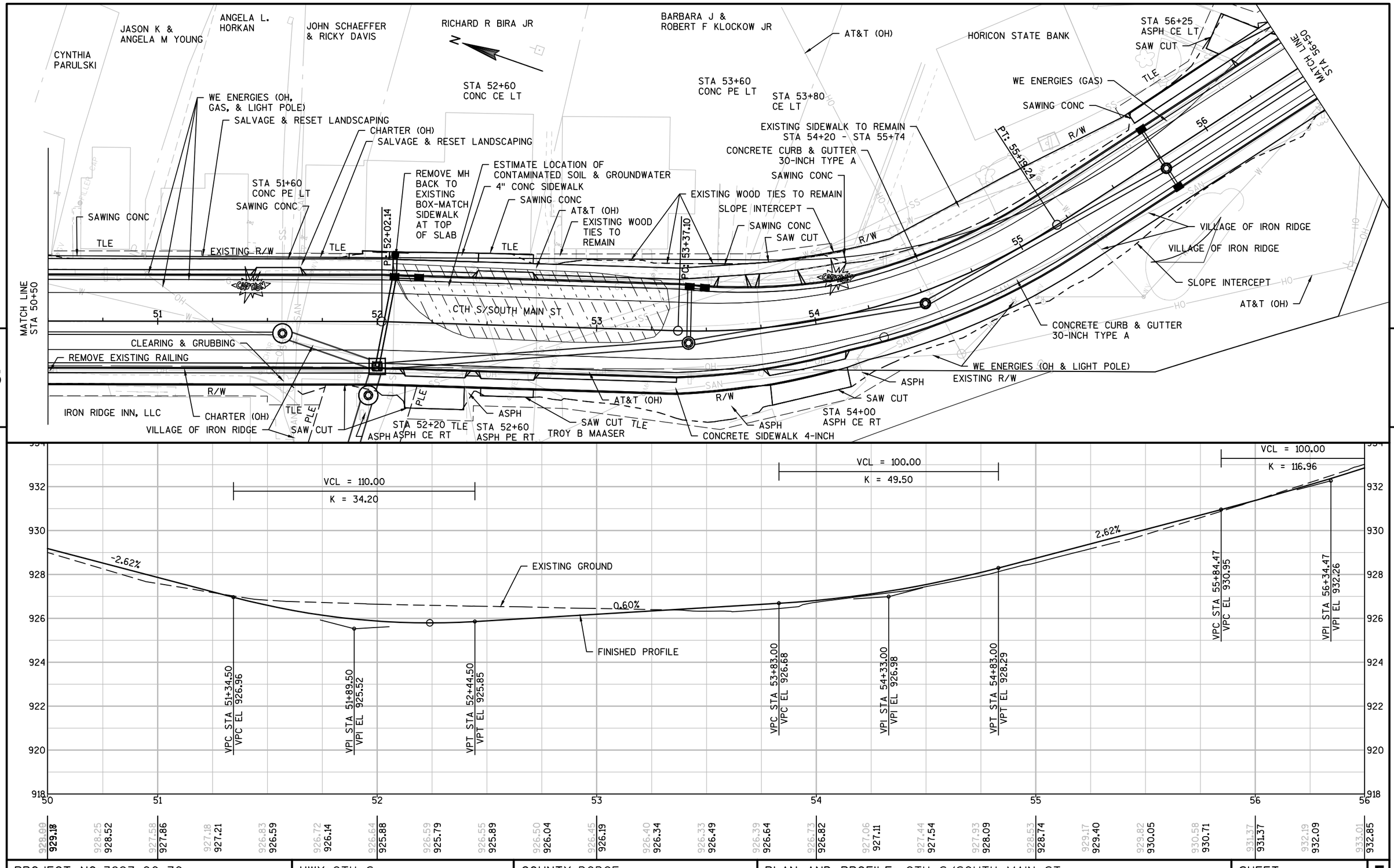
EXISTING RETAINING WALL TO REMAIN
WE ENERGIES (OH)
END CONSTRUCTION STA 46+42.65P
JOSHUA J & LORA J ENGEL
CHARTER (FIBER)
PED CURB
SAVE TREES
STA 45+67.64P=
STA 45+63.98
PED CURB
BP: 44+49.79
R/W
TLE
RETAINING WALL
46P
SAWING CONC
LANDSCAPING TO REMAIN
CURB RAMP TYPE 1
NORTH MAIN ST
45
PI: 45+63.22P
BEGIN CONSTRUCTION STA 45+37.56
SAW CUT
CURB RAMP TYPE 1A
CONCRETE SIDEWALK SPECIAL
WE ENERGIES (GAS)
PAVE SWALE BETWEEN SIDEWALK AND HOUSE
RETAINING WALL & RAILING PED STEEL
WILLIAM & SUSAN KELLER
CONNECTION TO RESIDENTIAL SUMP
CTH S/W PLEASANT ST
45P
EAST PLEASANT ST
EXISTING R/W
CLIFFORD L YUNK
SAW CUT
EXISTING SIDEWALK TO REMAIN
CURB RAMP TYPE 1
RETAINING WALL & RAILING PED STEEL
SAWING CONC
WE ENERGIES (OH & LIGHT POLE)
BP: 45+78.30
ROBIN L EHRENSBERGER
REMOVING SIDEWALK
SLOPE INTERCEPT
EXISTING FENCE TO REMAIN
SALVAGE & RESET LANDSCAPING
REMOVE EXISTING TUBULAR RAILING
SAWING CONC
SHRUBS TO REMAIN
PI: 47+04.04
TLE
R/W
REMOVING MASONRY
47
46
CTH S/SOUTH MAIN ST
STA 47+80 ASPH CE LT
VILLLAGE OF IRON RIDGE
RETAINING WALL & RAILING PED STEEL
SAW CUT
REMOVING MASONRY
48
SCOTTIE PROPERTIES, LLC
WE ENERGIES
TLE
PI: 48+60.04
HENTZ PROPERTIES, LLC
ROBIN EHRENSBERGER
STA 49+40 PE LT
KIM M & TERRY J ZIRBEL
STA 49+90 ASPH PE LT
CLEARING & GRUBBING
SAWING CONC
SAW CUT
TLE
CHARTER (OH)
50
MATCH LINE STA 50+50
R/W
CHARTER (OH)
SAWING CONC
REMOVING WOOD RAILING
WE ENERGIES (GAS)
ASPH
SAW CUT
STA 49+40 ASPH CE RT
STA 49+80 ASPH CE RT
AT&T (OH)
CURB RAMP TYPE 1A STA 46+20 CONC PE RT
CLEARING & GRUBBING BUSHES
PED CURB
MODIFIED PED CURB
REMOVE EXISTING RETAINING WALL
EXISTING BUSHES TO REMAIN
TERRY G HODGSON
JEREMY M GRIESBACH & RYAN T SCHUELKE
THE STAND, LLC
CONCRETE CURB & GUTTER 30-INCH TYPE A
FILL WITH ASPH
EXISTING FENCE TO REMAIN
SAWING CONC
CONCRETE SIDEWALK 4-INCH
SAWING CONC
TLE
ASPH
SAW CUT
STA 48+20 ASPH CE RT
SLOPE INTERCEPT
AT&T (COPPER)
IRON RIDGE INN, LLC
IRON RIDGE INN, LLC
SAN



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: CTH S/SOUTH MAIN ST	SHEET 151 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\PLAN & PROFILES\CTH S URBAN P&P.DWG
LAYOUT NAME - CTH S URBAN P&P - 06
PLOT DATE : 1/4/2017 12:40 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



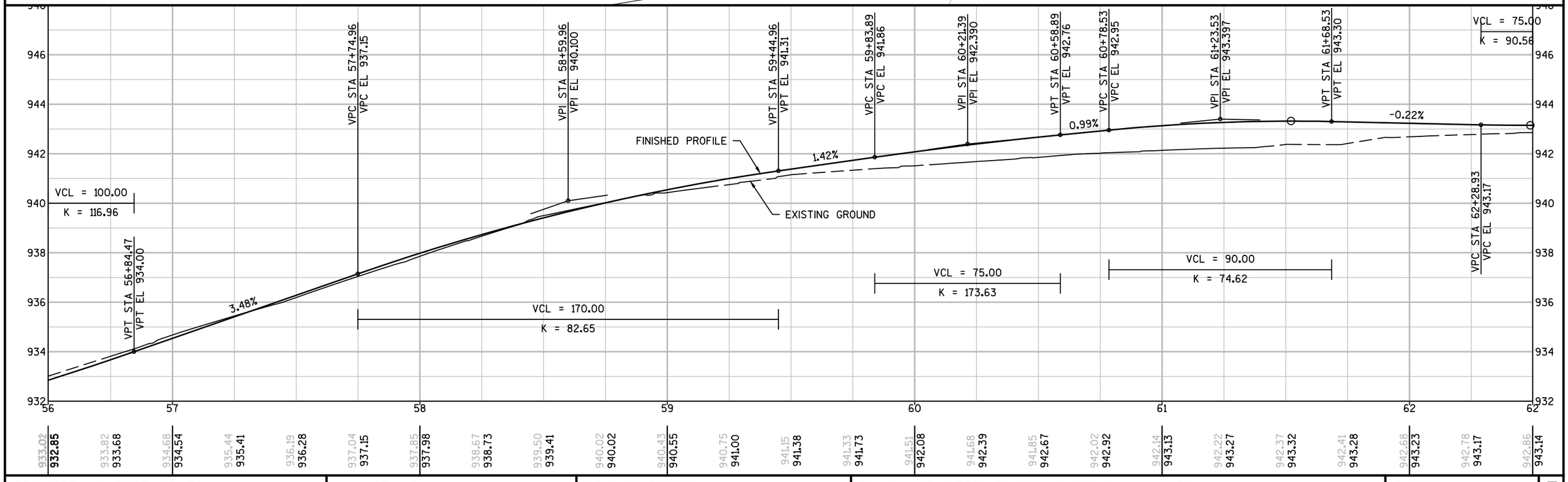
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: CTH S/SOUTH MAIN ST	SHEET 152 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\PLAN & PROFILES\CTH S URBAN P&P.DWG
LAYOUT NAME - CTH S URBAN P&P - 07

PLOT DATE : 1/4/2017 12:40 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

PI: 20+97.02HS
SHT
ASPH SIDEWALK
SAW CUT
REMOVE EXISTING INLET
CONC STEPS
THEODORE HAZELBERG
STA 21+50H
ASPH & BAD PE LT
MATTHEW KABITZKE
STA 59+25
ASPH PE LT
DARRELL PERSON
MERLIN H HEINECKE & LAURIE A MOLDENHAUR
WE ENERGIES
REMOVE EXISTING CONC STEPS
VILLAGE OF IRON RIDGE SLOPE INTERCEPT
RETAINING WALL & FENCE CHAIN LINK POLYMER-COATED 4-FT
STA 59+65
ASPH & BAD PE LT
STA 60+50
ASPH PE LT
CURB RAMP TYPE 4A1
EXISTING R/W
AT&T (OH)
MICHAEL STEHLI & BRIANNA FRANK
HIGHLAND AVE.
21H
HERMAN ST
WE ENERGIES (OH & LIGHT POLE)
AT&T (OH)
CHARTER (OH)
TLE
EXISTING R/W
EXISTING RETAINING WALL TO REMAIN, MATCH IN WITH NEW WALL
REMOVING & SALVAGING MODULAR BLOCK RETAINING WALL
WE ENERGIES (OH & LIGHT POLE)
CONCRETE CURB & GUTTER 30-INCH TYPE A
EP: 20+73.31A
ALBERT ST
SAW CUT
SAWING CONC
22H
SAW CUT
TLE
REMOVE WOOD STEPS & RAILING BY OTHERS
REMOVE WOOD RAILING
MODIFIED PEDESTRIAN CURB
COARSE AGG. STONE MULCH
CONCRETE SIDEWALK 4-INCH
MODIFIED PEDESTRIAN CURB
CURB RAMP TYPE 4A1
TLE
REMOVE EXISTING INLET
BP: 20+00.00HS =56+01.74
57
58
59
60
61
62
CTH S/SOUTH MAIN ST
PI: 59+91.25
PCC: 60+10.01
AT&T (OH)
SAW CUT
CONC STEP
VILLAGE OF IRON RIDGE
PT: 61+39.35
TLE
R/W
SAVE TREE
CONCRETE CURB & GUTTER 30-INCH TYPE A
REMOVE LANDSCAPING
CLEARING & GRUBBING
WE ENERGIES (GAS)
WE ENERGIES (OH)
CLEARING & GRUBBING
REMOVE EXISTING FENCE
SAVE TREE & LANDSCAPING
PI: 59+14.81
TLE
REMOVING CONC STEPS
REMOVE LANDSCAPING
REMOVING CONC STEPS
BP: 20+00.00A =61+97.56
PI: 20+23.77A
MATCH LINE STA 62+50
MATCH LINE STA 54+50
EXISTING R/W
PC: 56+76.36
CURB RAMP TYPE 7B
SLOPE INTERCEPT
SAWING CONC
TLE
CLEARING & GRUBBING
STA 60+25-STA 60+85
CLEARING & GRUBBING
REMOVING BOULDERS
WE ENERGIES (OH)
EXISTING R/W
STA 61+70
END CURB & GUTTER
PI: 62+07.86
VILLAGE OF IRON RIDGE
CONCRETE SIDEWALK 4-INCH
AT&T (OH)
CURB RAMP TYPE 1
REMOVE LANDSCAPING
KRISTOPHER J PHILLIP
HOLLY M WEBER
STA 59+50
CONC PE RT
STA 60+10
CONC PE RT
WE ENERGIES (GAS)



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: CTH S/SOUTH MAIN ST	SHEET 153 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\PLAN & PROFILES\CTH S URBAN P&P.DWG
LAYOUT NAME - CTH S URBAN P&P - 08
PLOT DATE : 1/4/2017 12:40 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

DONALD & JERELYN BILGRIEN

DON A & MARY ANNE EVJE

MEADOWBROOK PARK COMMUNITY, LLC

N

STA 63+65
CONC PE LT

CONNECTION TO DRAIN TILE

FRONTIER (OH)

WE ENERGIES
(OH & LIGHT POLE)

VILLAGE OF IRON RIDGE

CLEARING & GRUBBING

CHARTER (FIBER)

CONCRETE SIDEWALK 4-INCH

SAVE TREE

CLEARING &
GRUBBING

FRONTIER (TEL)

SAVE TREES

SAWING CONC

CONCRETE CURB & GUTTER
30-INCH TYPE A

PI: 64+98.99

EXISTING STUMP

CHARTER (OH)

SLOPE INTERCEPT

TLE

EXISTING R/W

R/W

PC: 68+21.79

MATCH LINE
STA 62+50

MATCH LINE
STA 68+50

CTH S/SOUTH MAIN ST

WE ENERGIES (OH)

SLOPE INTERCEPT

WE ENERGIES (GAS)

WE ENERGIES
(OH & LIGHT POLE)

WE ENERGIES (OH)

VCL = 75.00

K = 90.56

0.61%

VPI STA 62+66.43
VPI EL 943.08

VPT STA 63+03.93
VPT EL 943.31

VPC STA 63+99.15
VPC EL 943.89

VCL = 400.00

K = 64.56

VPI STA 65+99.15
VPI EL 945.108

VPT STA 67+99.15
VPT EL 933.93

FINISHED PROFILE

EXISTING GROUND

-5.69%

942.86	942.98	943.15	943.30	943.47	943.55	943.65	943.79	943.50	943.37	943.19	942.92	942.70	942.28	941.66	940.89	940.14	939.14	938.19	937.12	936.01	934.68	933.40	931.99	930.61
943.14	**943.18**	**943.29**	**943.44**	**943.59**	**943.74**	**943.90**	**944.00**	**944.00**	**943.91**	**943.72**	**943.43**	**943.05**	**942.57**	**941.99**	**941.31**	**940.54**	**939.68**	**938.71**	**937.65**	**936.49**	**935.24**	**933.89**	**932.49**	**931.10**

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: CTH S/SOUTH MAIN ST	SHEET 154	E

MEADOWBROOK PARK COMMUNITY, LLC

WE ENERGIES (OH & LIGHT POLE)

CONCRETE SIDEWALK 4-INCH

CONCRETE CURB & GUTTER 30-INCH TYPE A

CHARTER (FIBER)

SAVE TREE

CLEARING & GRUBBING

SAVE TREE

SLOPE INTERCEPT TLE

FRONTIER (TEL)

PT: 68+81.46

PC: 69+05.30

PT: 69+92.56

MEADOWBROOK PARK DRIVE

VILLAGE OF IRON RIDGE

FRONTIER

EXISTING R/W

MATCH LINE STA 68+50

SAW CUT

CTH S/SOUTH MAIN ST

WE ENERGIES (GAS)

EXISTING R/W

DITCH

EXISTING R/W

SLOPE INTERCEPT

REMOVING ASPHALT

STA 69+00
ASPH CE RT

END PROJECT 3897-00-70
STA 70+55.00

PI: 70+58.30

EXISTING INLET & PIPE TO REMAIN

WE ENERGIES (OH & LIGHT POLE)

STA 68+98.65
EL 928.38

FINISHED PROFILE

EXISTING GROUND

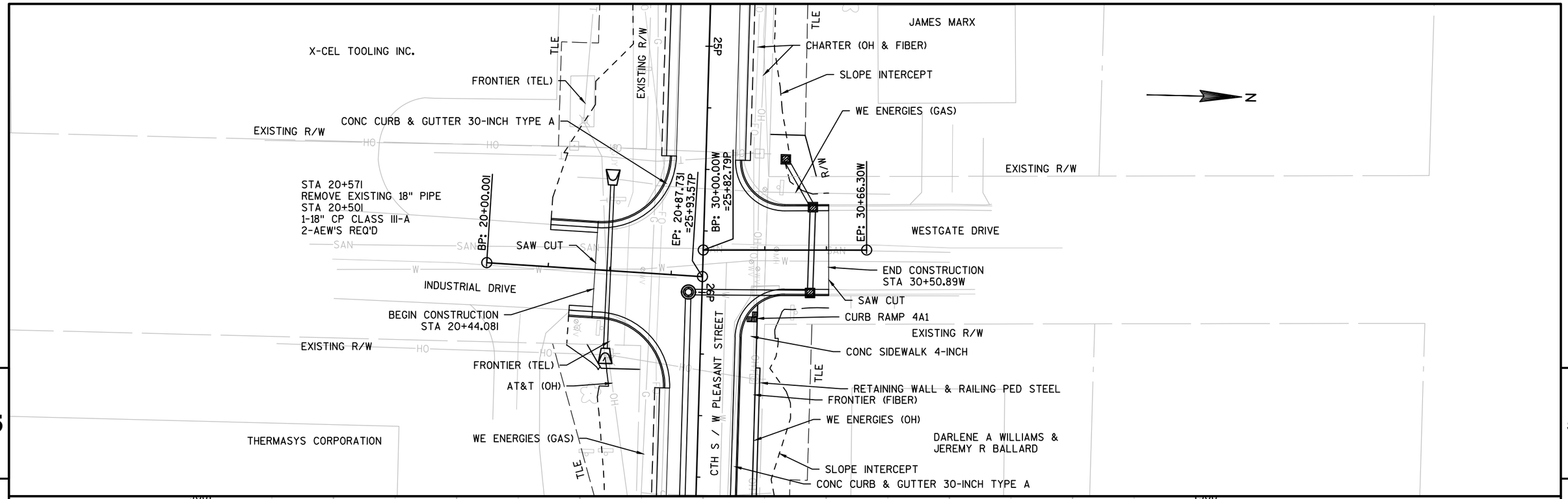
-6.31%

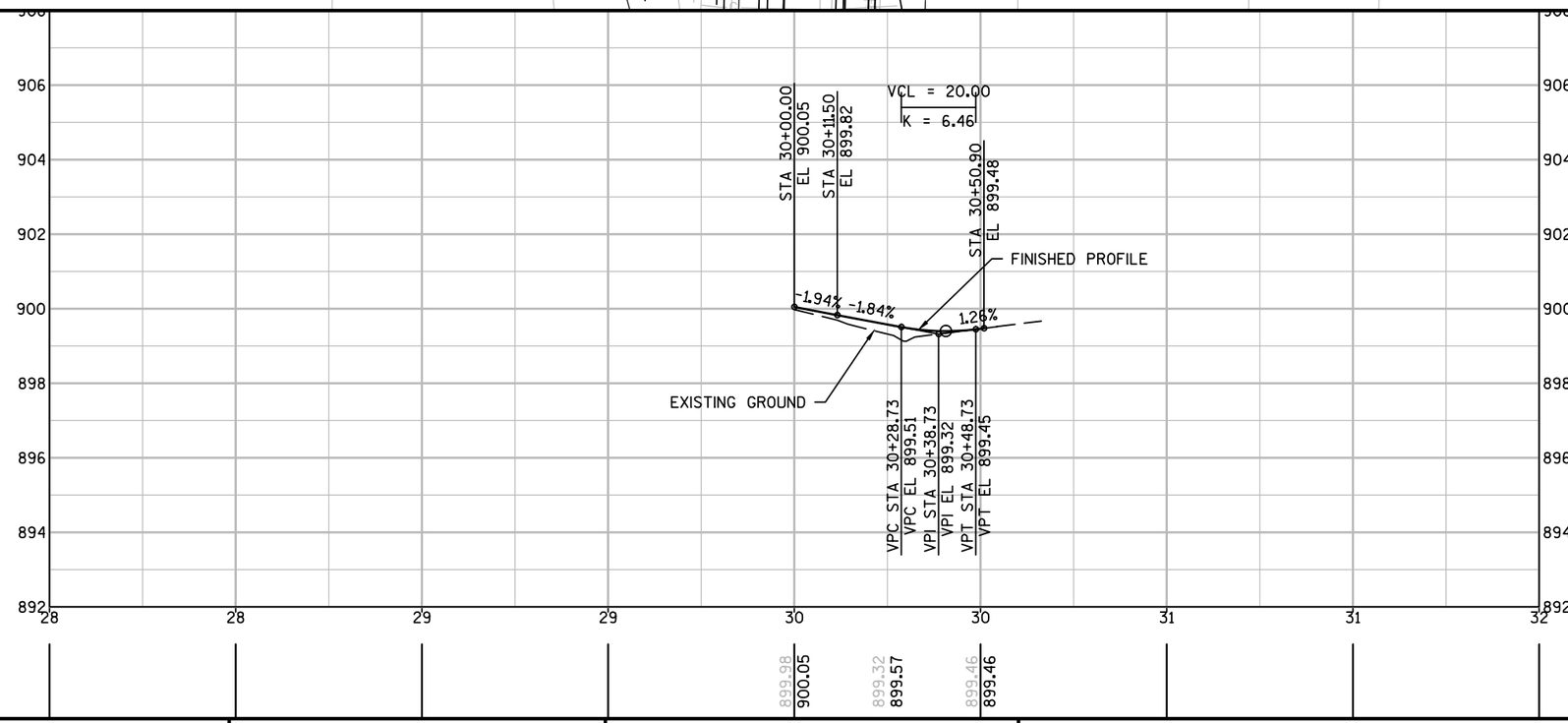
VCL = 250.00

K = 42.35

VPC STA 70+67.71
VPC EL 917.71

| | | |



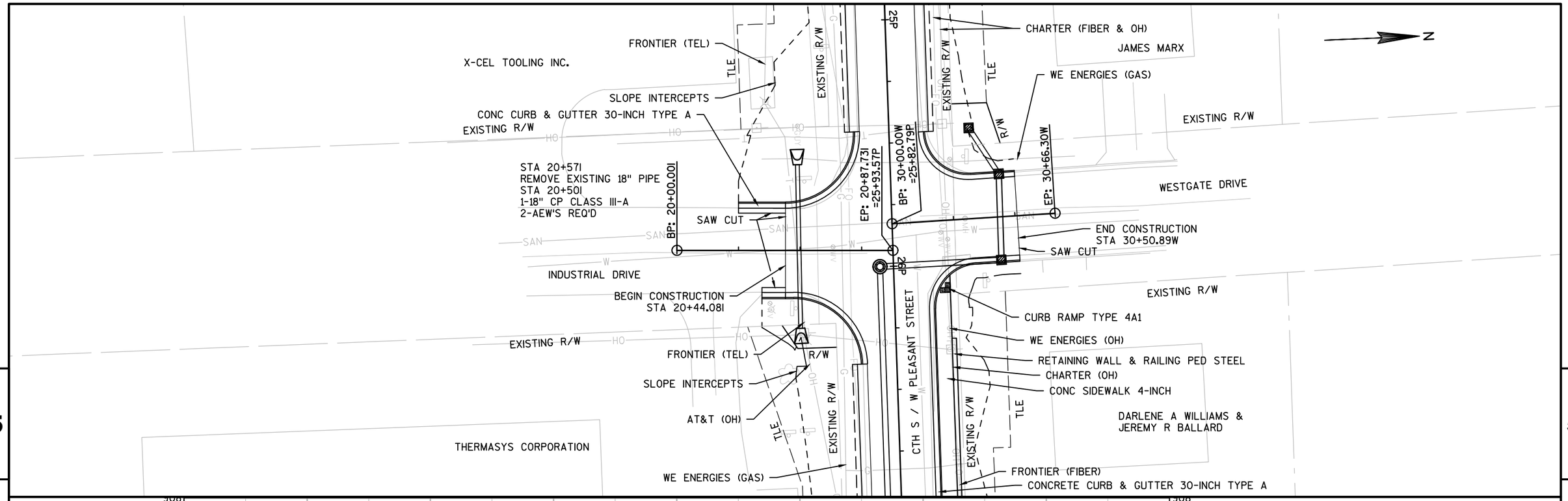


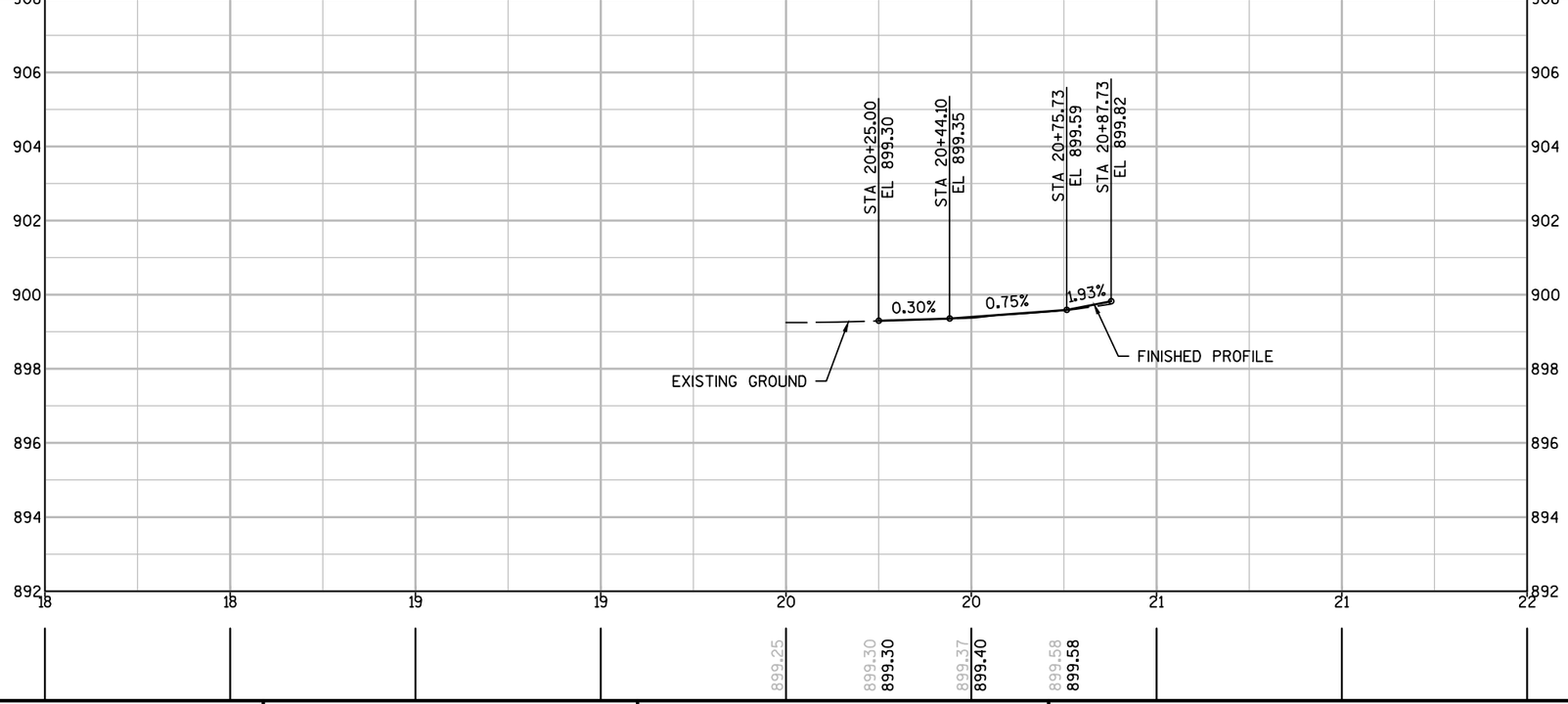
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: WESTGATE DRIVE	SHEET 156	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\PLAN & PROFILES\CTH S SIDEROADS P&P.DWG
LAYOUT NAME - 050102-PP - 01

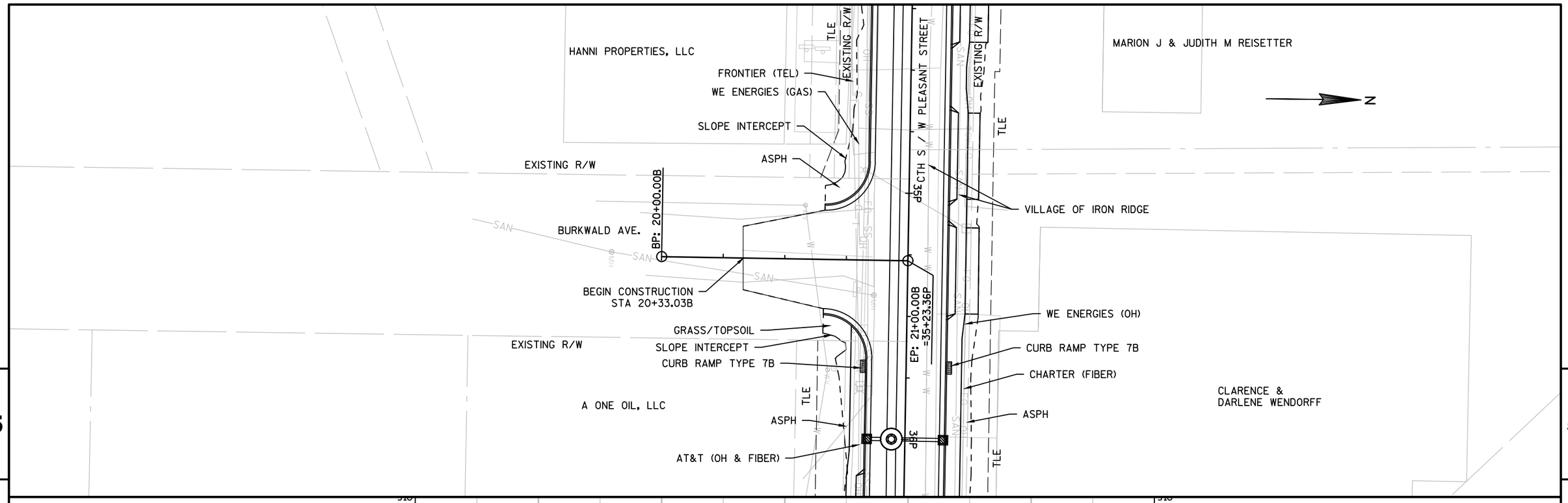
PLOT DATE : 10/26/2016 11:19 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

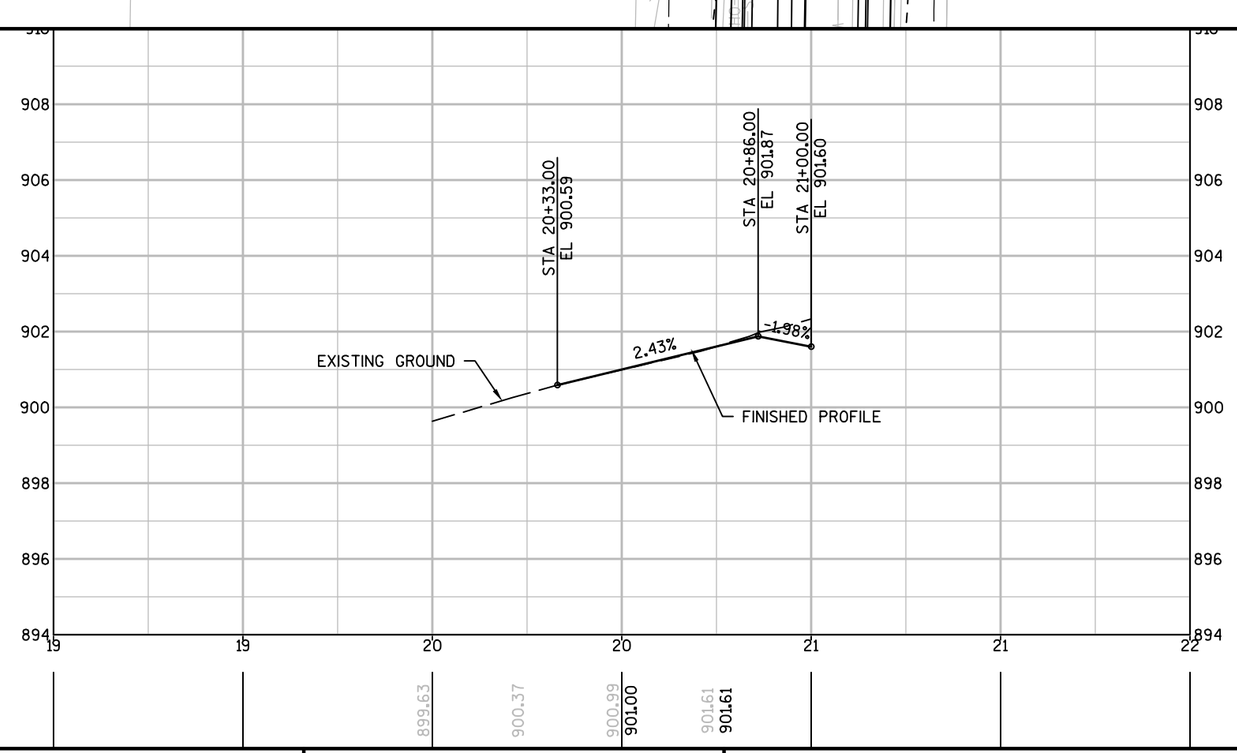
WISDOT/CADDS SHEET 44



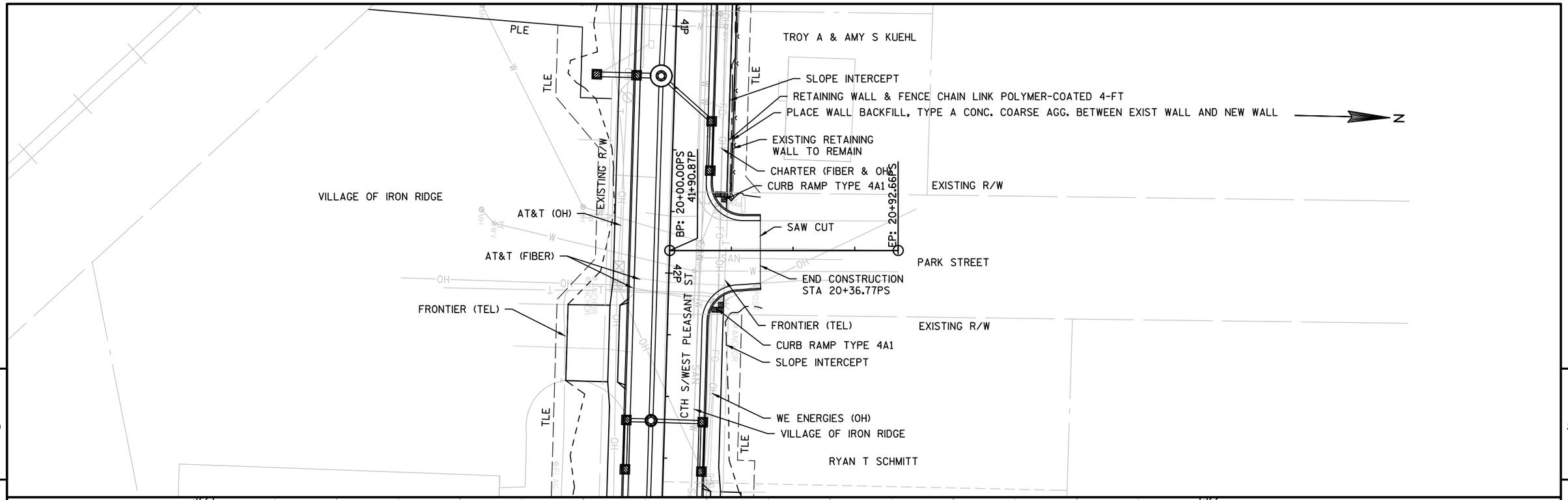


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: INDUSTRIAL DRIVE	SHEET 157	E

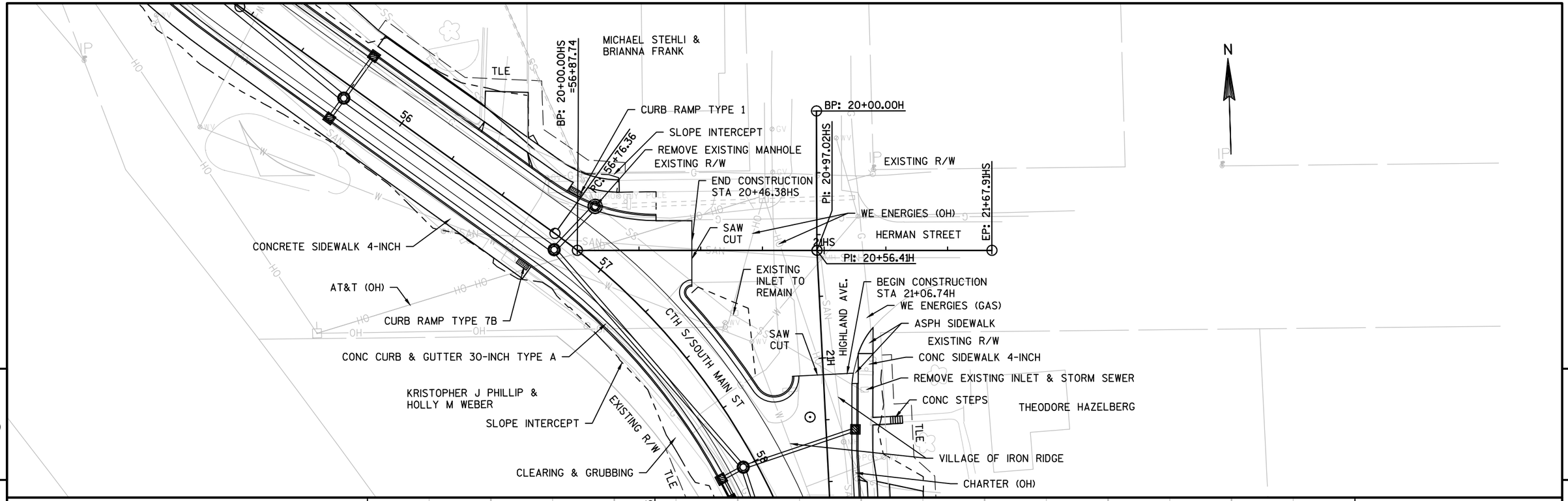




PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: BURKWALD AVE.	SHEET 158	E



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: PARK STREET	SHEET 159	E

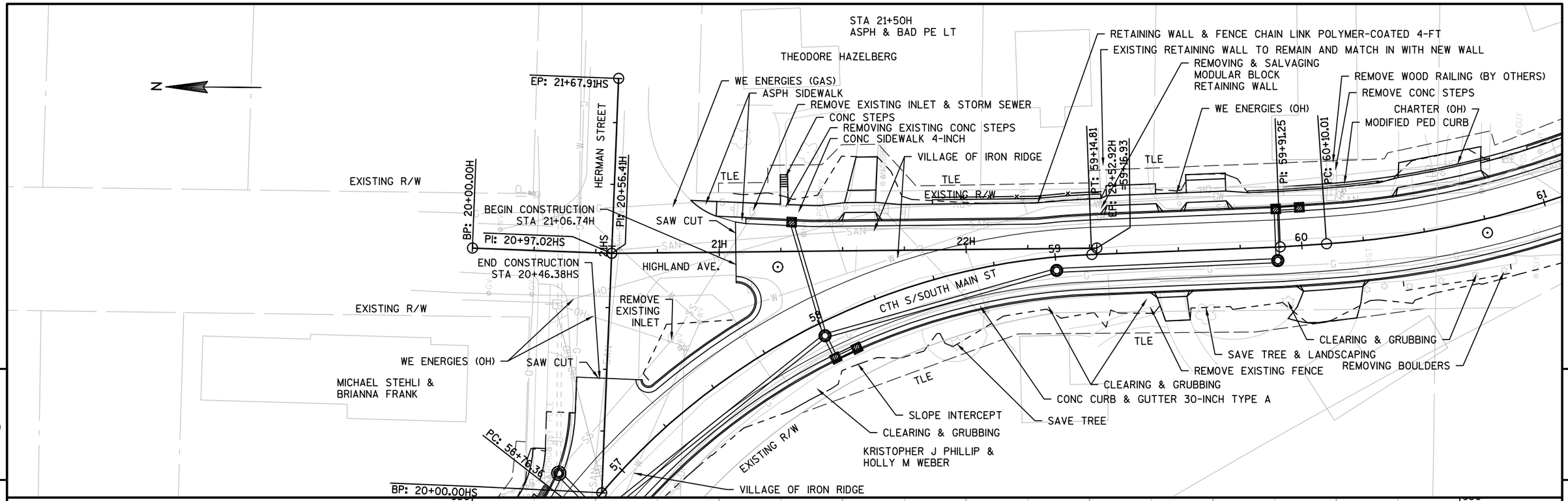


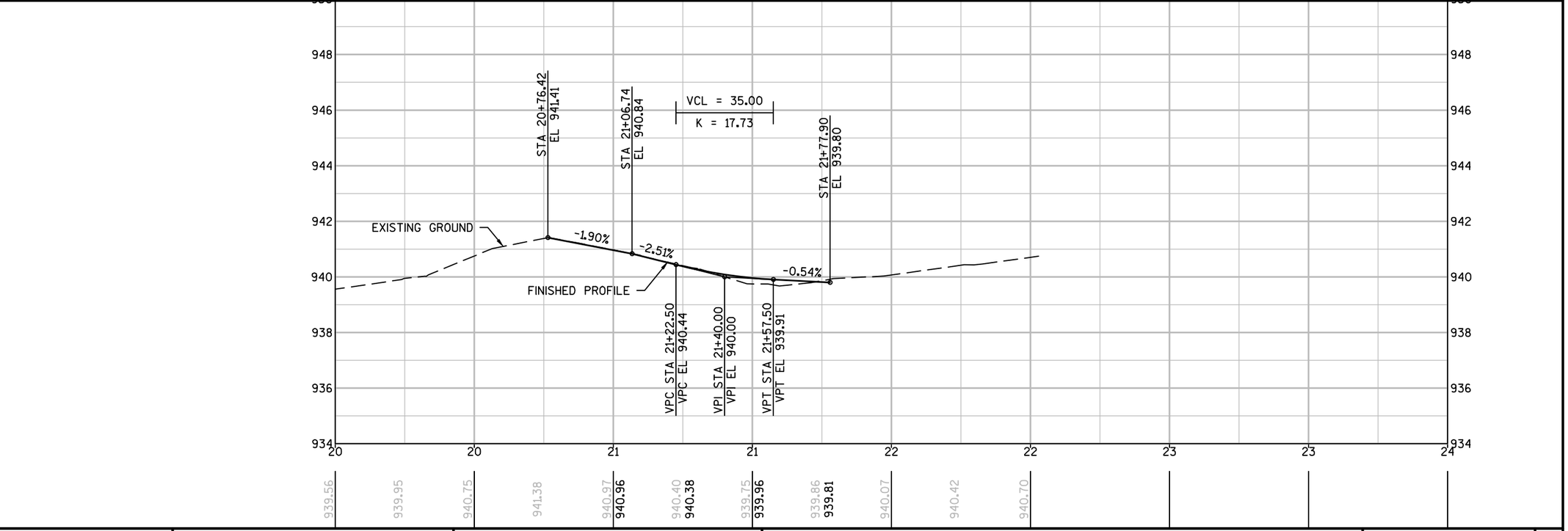
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: HERMAN STREET	SHEET 160 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\PLAN & PROFILES\CTH S SIDEROADS P&P.DWG
LAYOUT NAME - 05

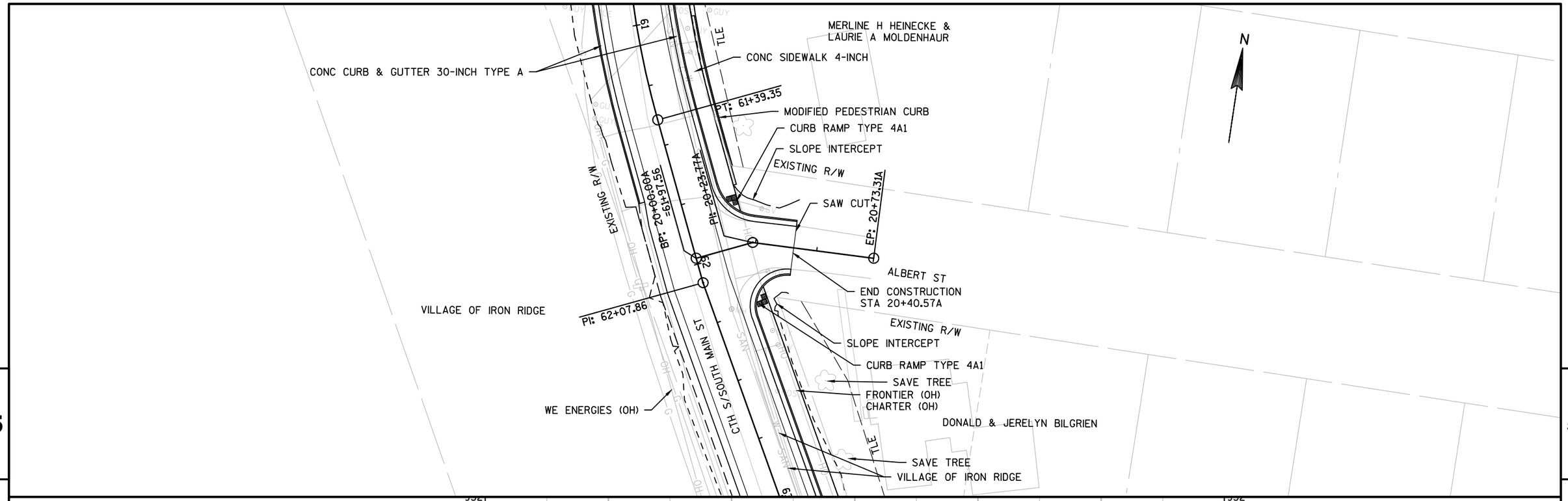
PLOT DATE : 10/26/2016 11:19 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

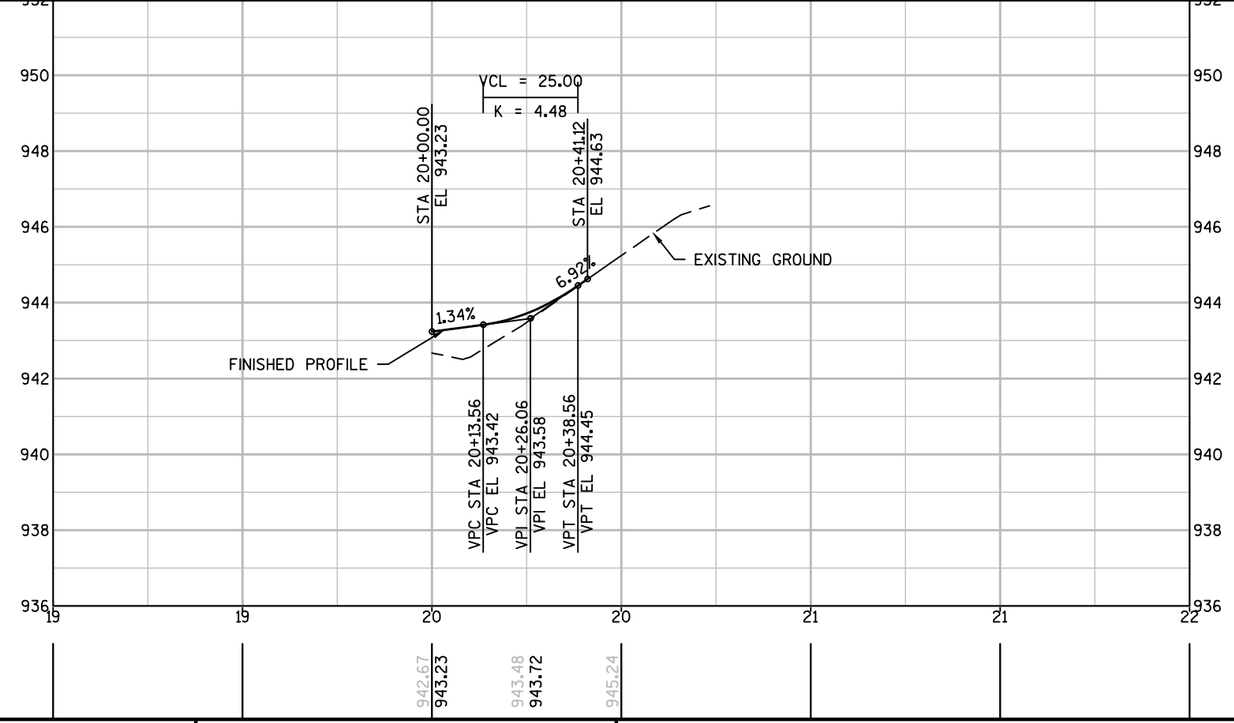
WISDOT/CADDS SHEET 44





PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: HIGHLAND AVE.	SHEET 161	E



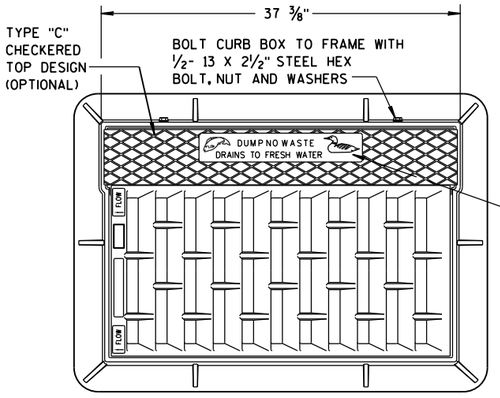


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	PLAN AND PROFILE: ALBERT STREET	SHEET 162	E

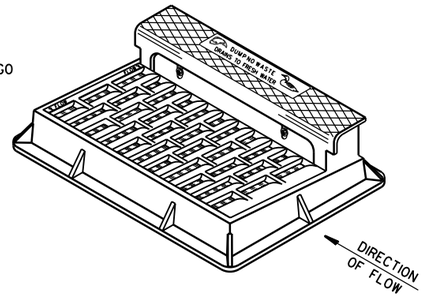
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
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
08B10-02	MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-17A	CURB RAMPS TYPES 1 AND 1-A
08D05-17B	CURB RAMPS TYPES 2 AND 3
08D05-17C	CURB RAMPS TYPES 4A AND 4A1
08D05-17D	CURB RAMPS TYPE 4B AND 4B1
08D05-17E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
13A03-06	CONCRETE PAVEMENT SHOULDERS
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C18-04A	CONCRETE PAVEMENT JOINTING
13C18-04B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-04C	CONCRETE PAVEMENT JOINT TIES
13C18-04D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C20-02	YIELD MARKING
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D30-03A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-03B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-03C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

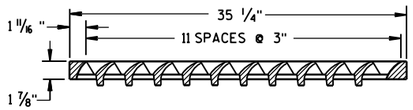
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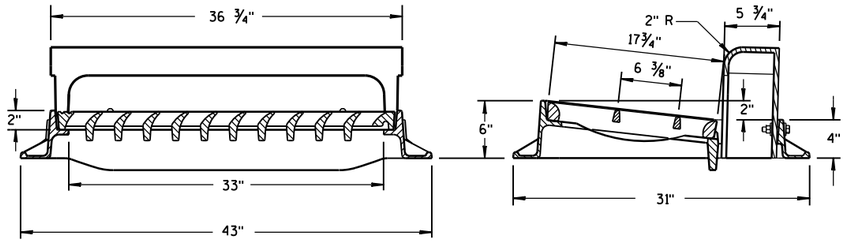


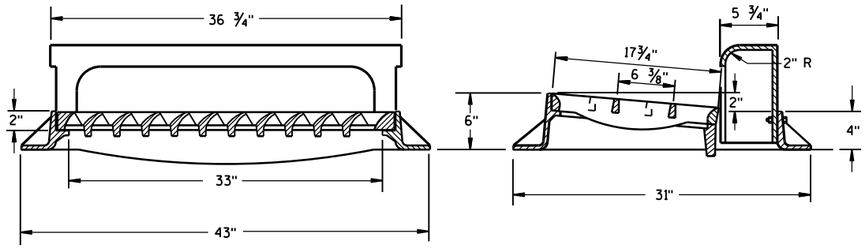
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

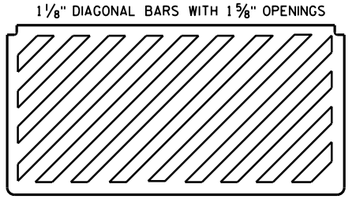






TYPE "H"

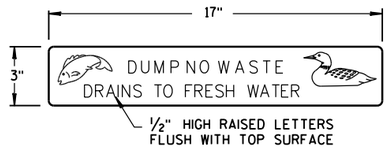
NOTE: EITHER CASTING IS ACCEPTABLE



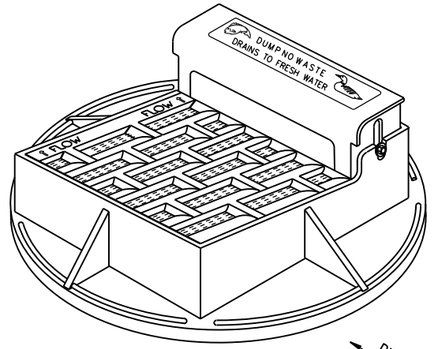
SPECIAL GRATE FOR TYPE "H" COVER

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

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

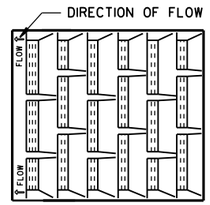
NOTE:
GRATE IS REVERSIBLE.

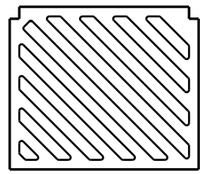
GENERAL NOTES

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.

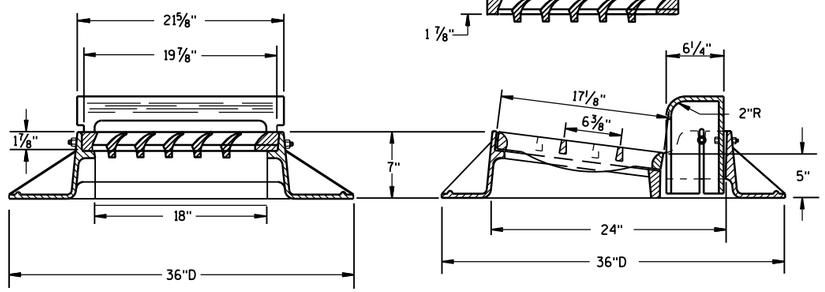




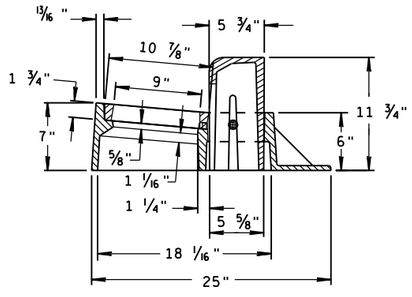
SPECIAL GRATE FOR TYPE "A" COVER

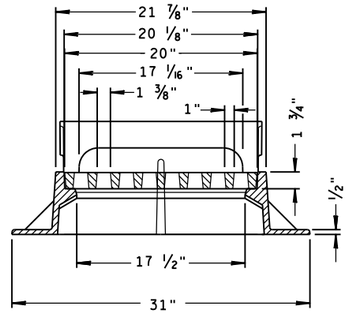
(MEASURES 19 3/4" X 17" X 1 7/8")

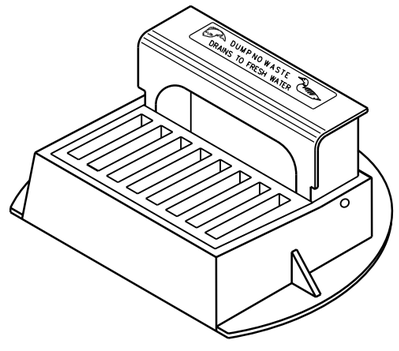
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

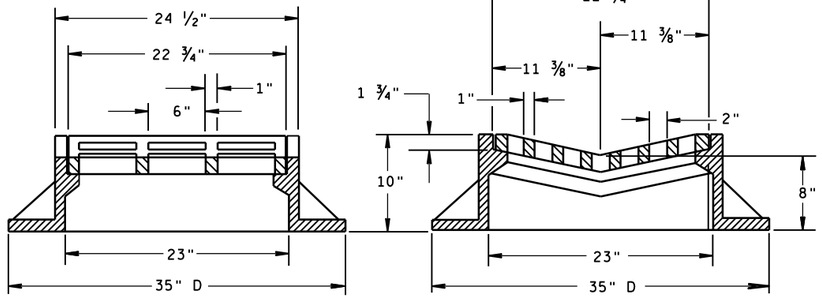
INLET COVERS
TYPE A, H, A-S, H-S & Z

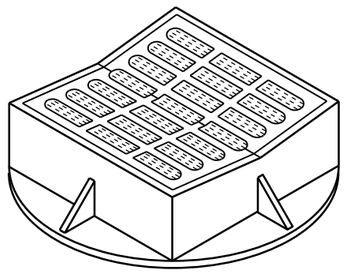
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

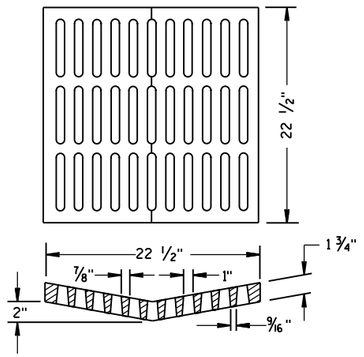
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S.D.D. 8 A 5-19a



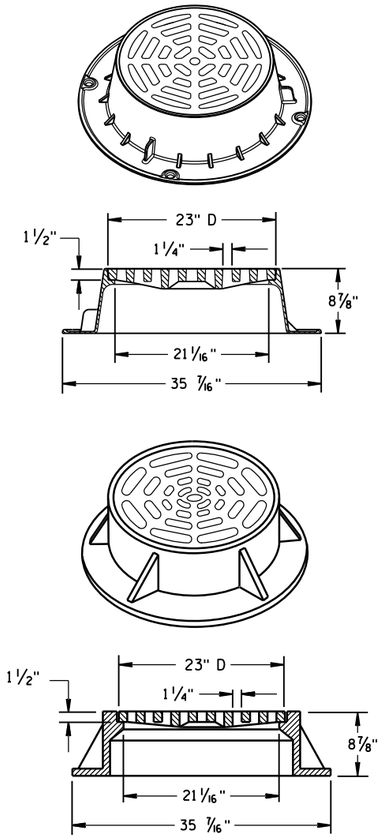


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

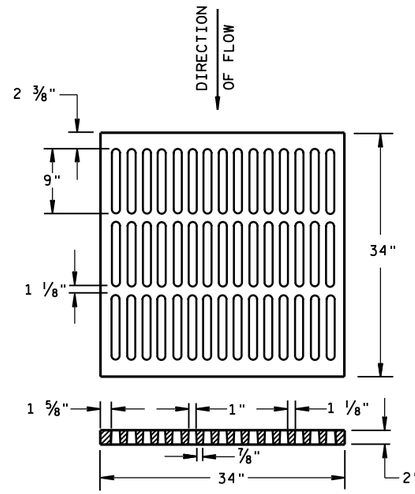
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

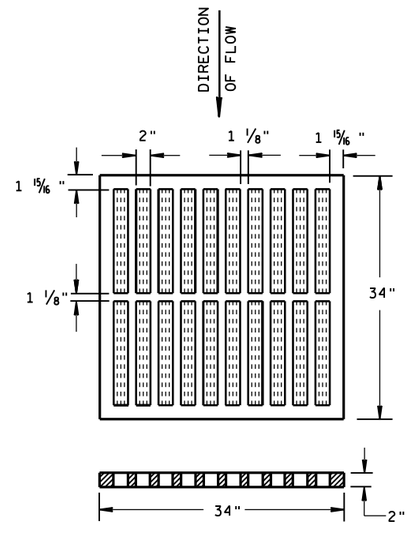
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



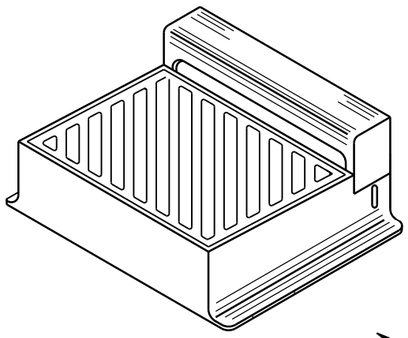
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

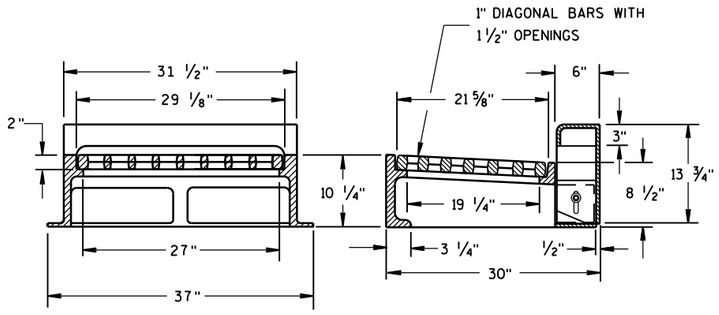


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

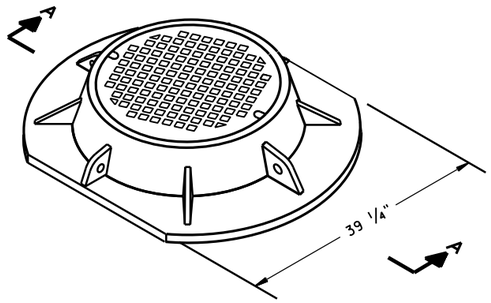
INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

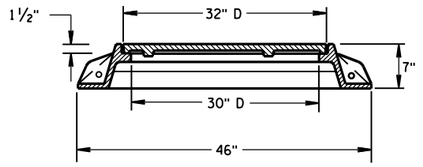
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

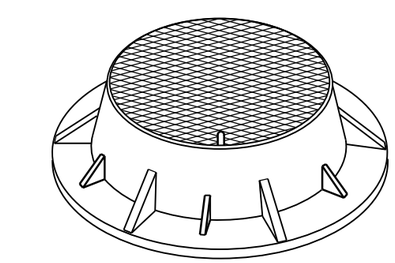
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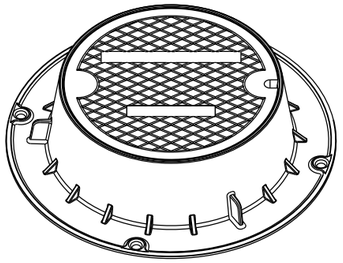
S.D.D. 8 A 5-19b

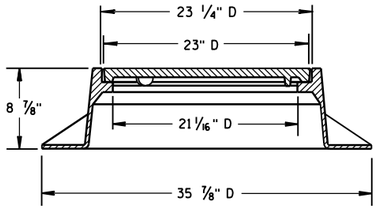


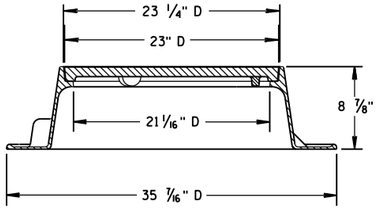


SECTION A-A
TYPE "K"









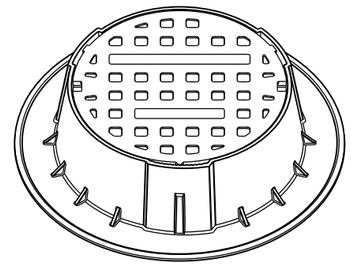
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

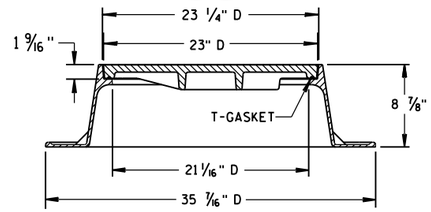
GENERAL NOTES

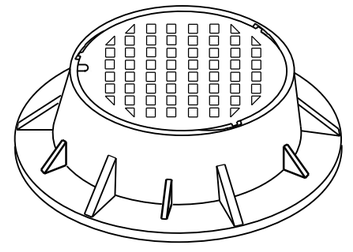
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

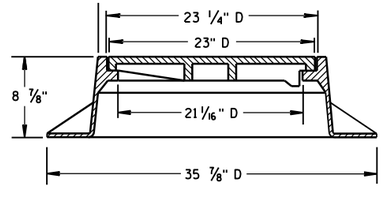
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

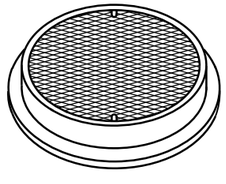


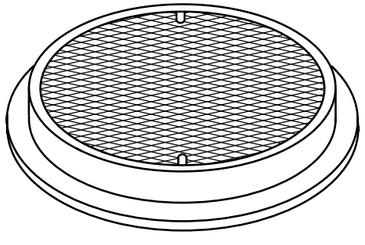


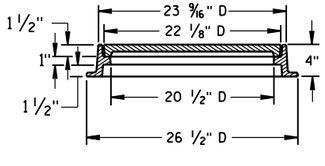




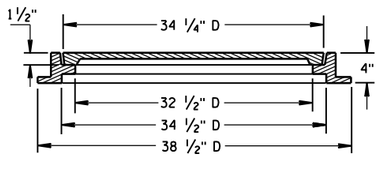
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



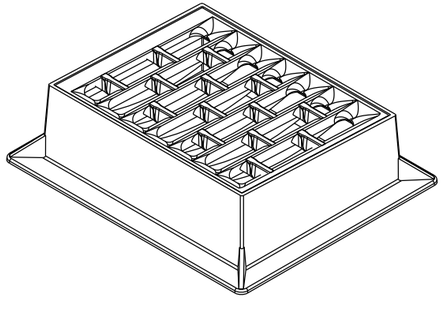


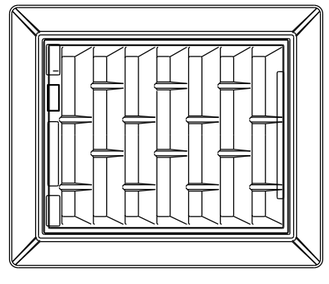


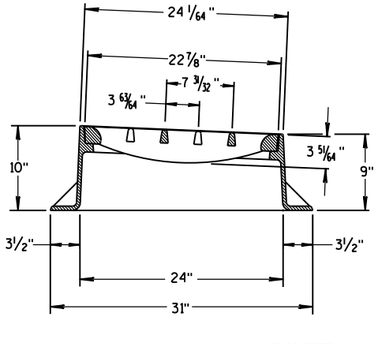
TYPE "L"

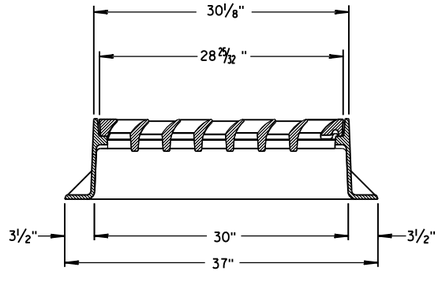


TYPE "M"









INLET COVER TYPE "BW"

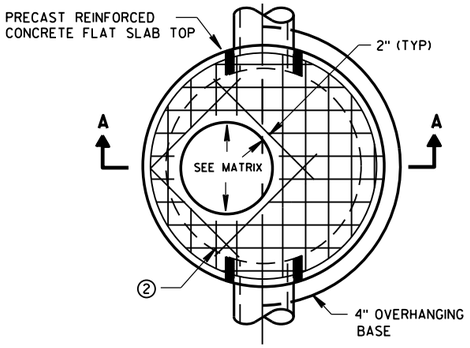
INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

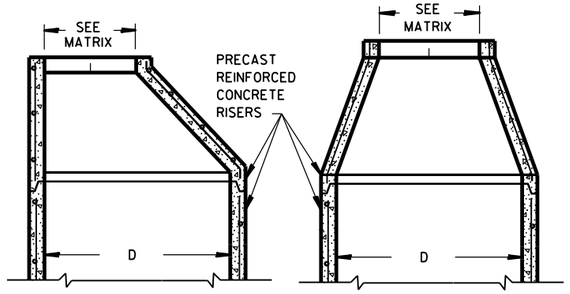
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

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

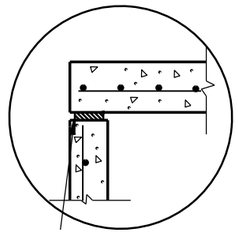


PLAN VIEW CIRCULAR OPENING

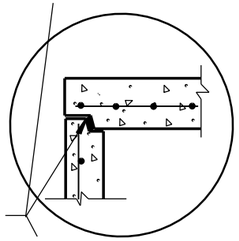


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

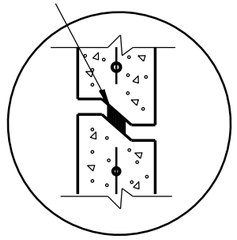


TOP WITH PLAIN END JOINT



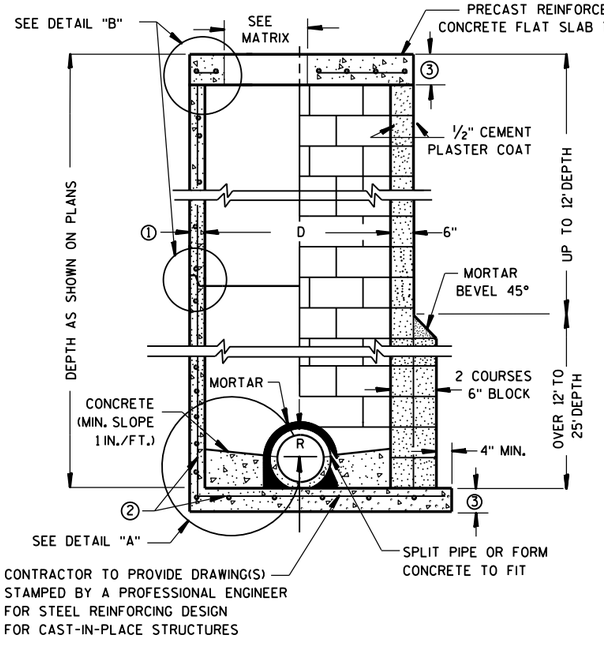
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



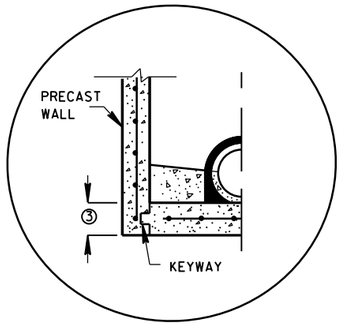
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

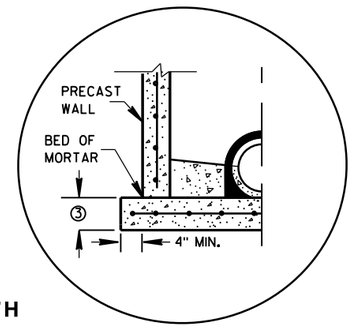


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

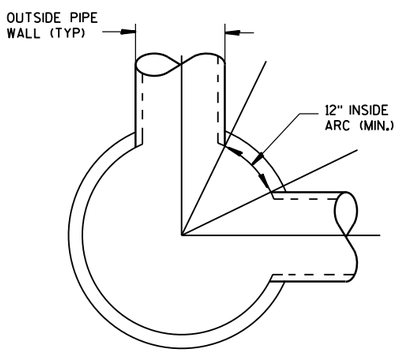


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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

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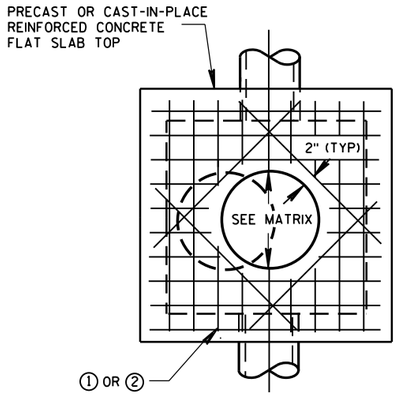
Sept., 2016
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

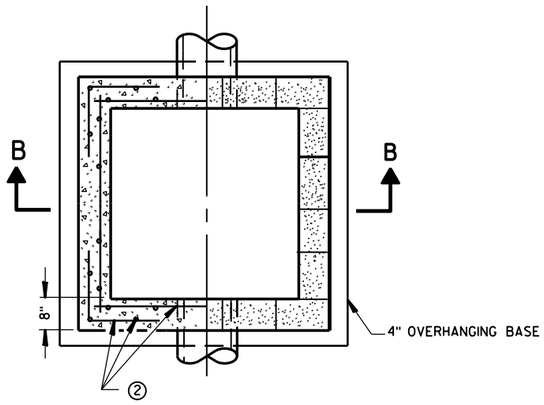
FHWA

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

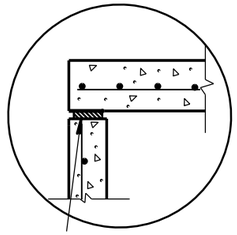
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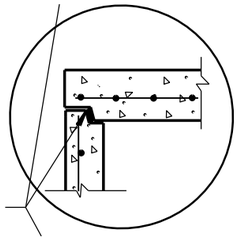
PLAN VIEW
CIRCULAR OPENING



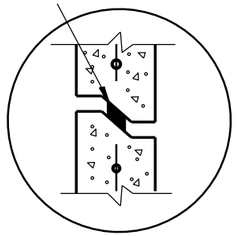
SECTION A-A
PLAN VIEW



TOP WITH PLAIN END JOINT

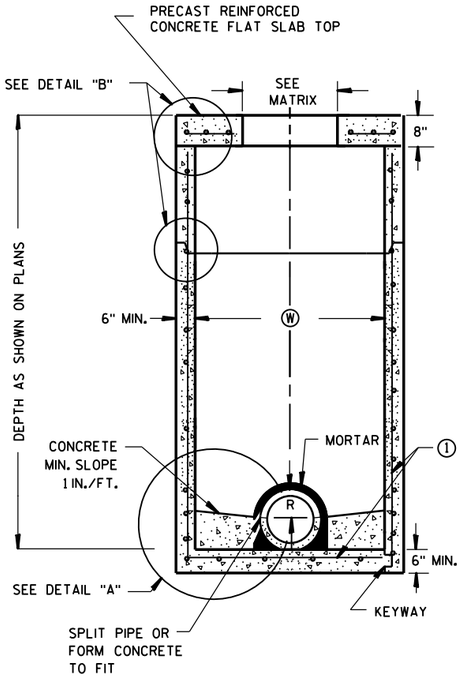


TOP WITH TONGUE AND GROOVE JOINT

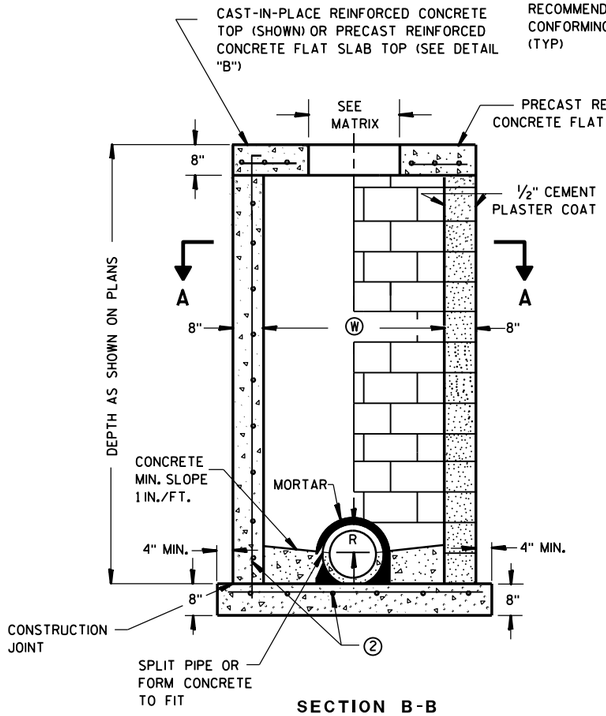


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

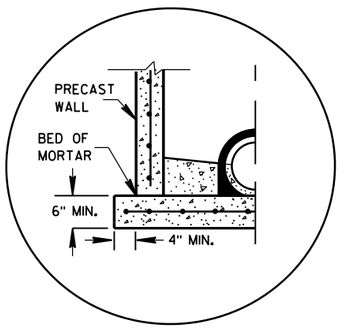


SECTION B-B

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

CAST-IN-PLACE REINFORCED CONCRETE

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



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"

GENERAL NOTES

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

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

PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

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.

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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 WIDTH.

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 ASTM C 913.

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.

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

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

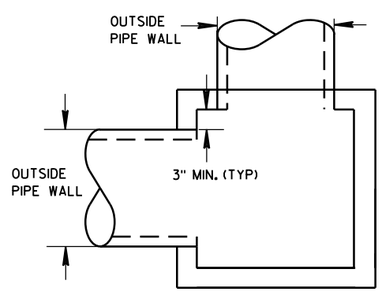
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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	
	WIDTH (W) (IN)	LENGTH (L) (IN)
3X3-FT	24	24
4X4-FT	30	30
5X5-FT	42	42
6X6-FT	54	54



DETAIL "C"

SQUARE MANHOLES W/ FLAT TOP

MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT

MANHOLES 3X3-FT, 4X4-FT
5X5-FT AND 6X6-FT

STATE OF WISCONSIN
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Sept., 2016
DATE
FHWA

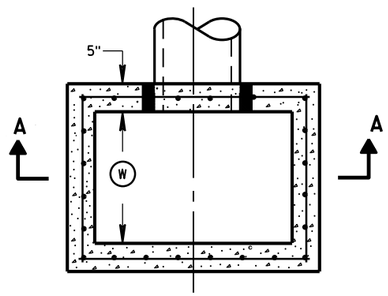
/S/ Rodney Taylor
ROADWAY STANDARDS
UNIT SUPERV

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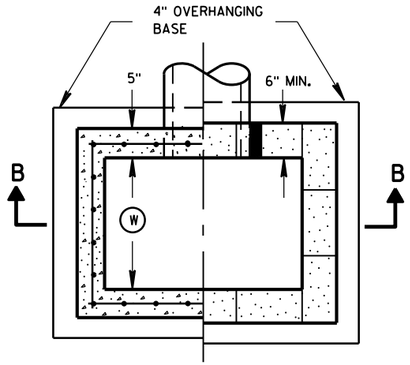
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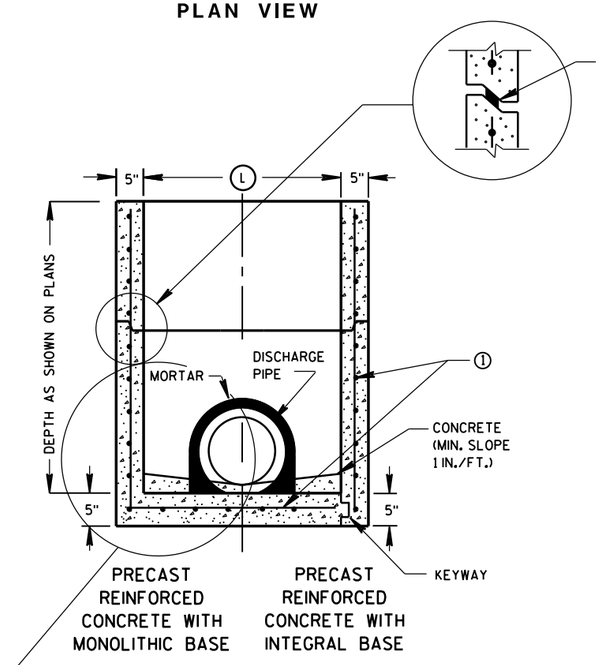
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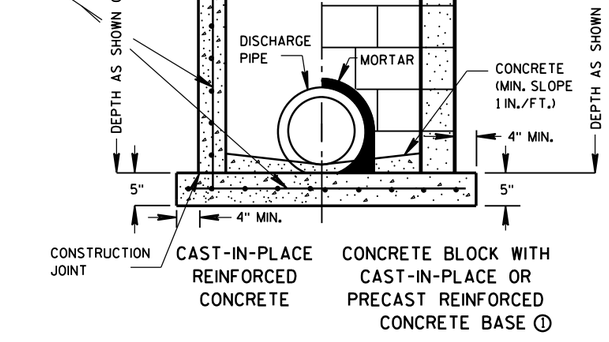
PLAN VIEW



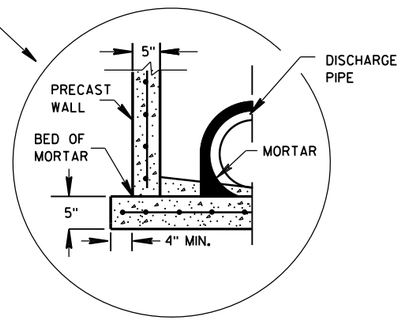
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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

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

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

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

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

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

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

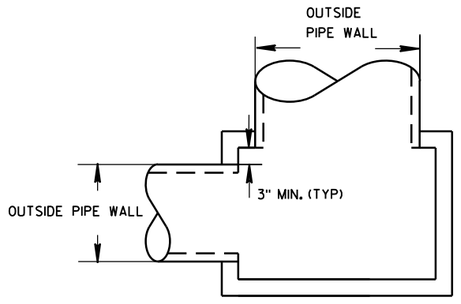
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

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

PIPE MATRIX

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



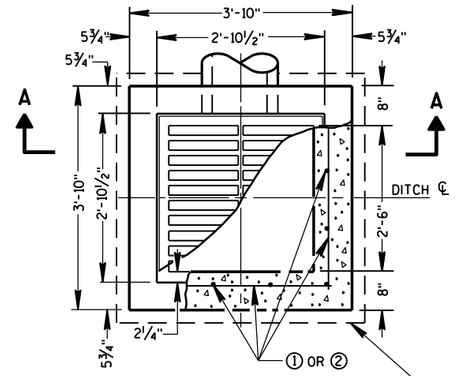
DETAIL "A"

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

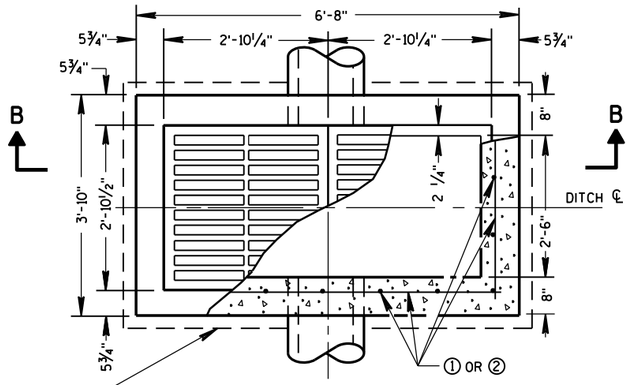
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
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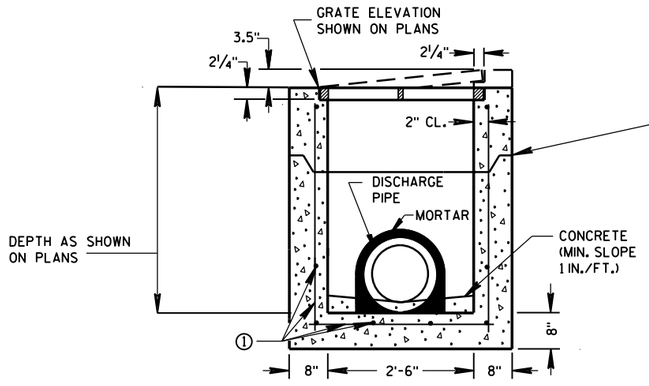


PLAN VIEW

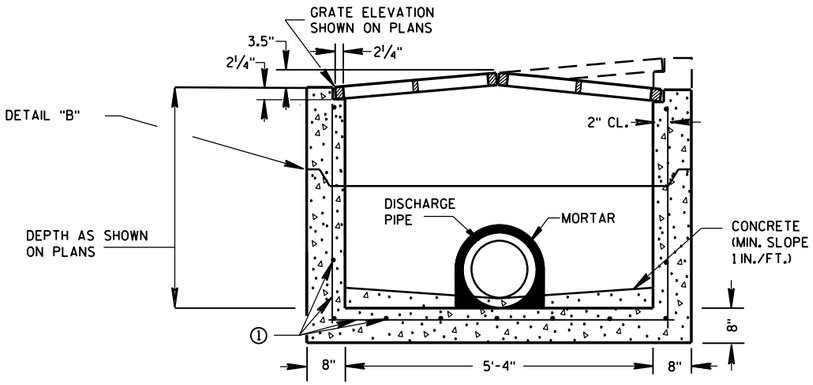


PLAN VIEW

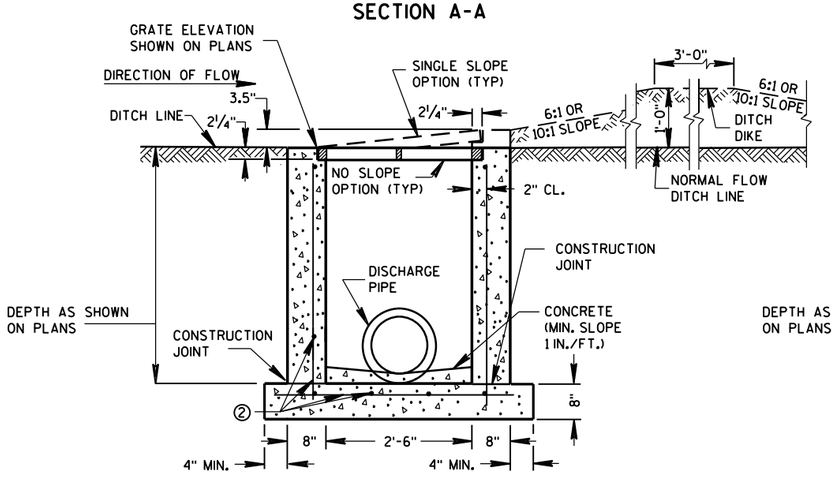
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

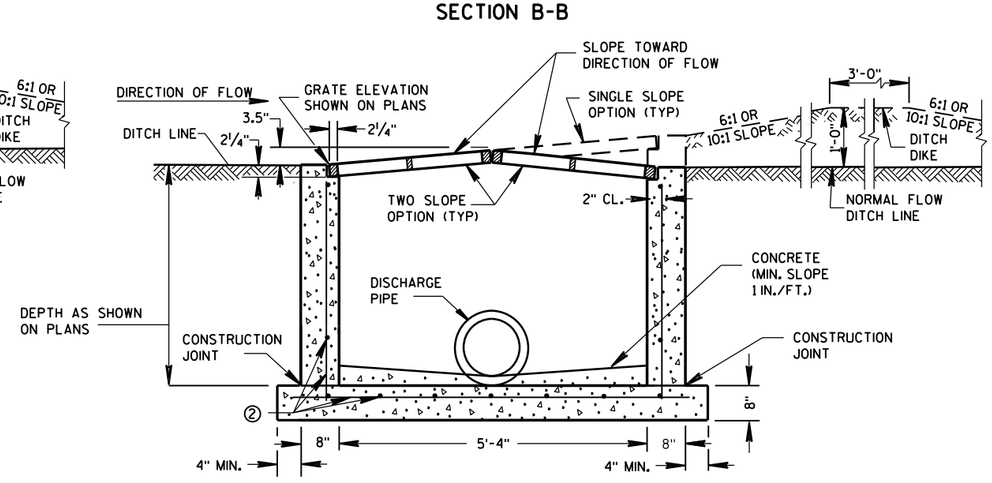


PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A

INLETS MEDIAN 1 GRATE



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 2 GRATE

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 INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE 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.

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

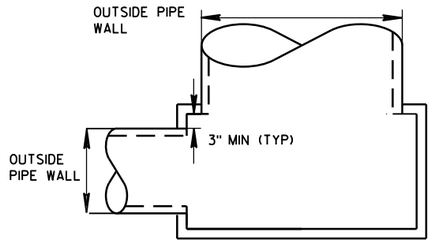
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS 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.

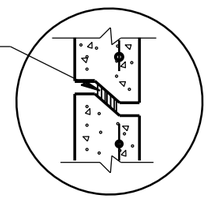
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



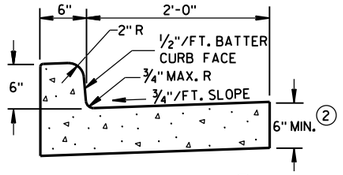
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

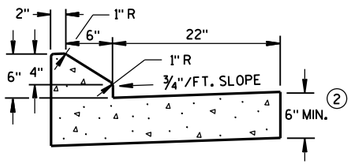
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

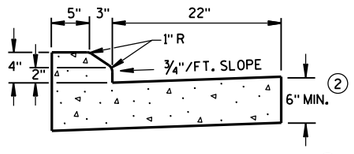
6
S.D.D. 8 C 8-2



TYPES A & D ①

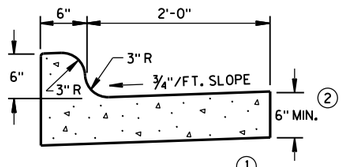


6" SLOPED CURB TYPES G & J ①

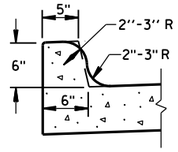


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

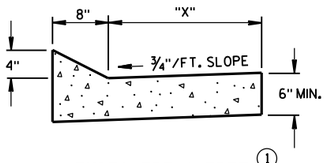


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

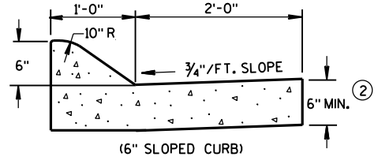
CONCRETE CURB & GUTTER 30"



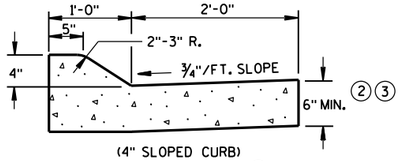
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

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

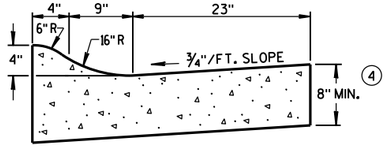


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ①⑤

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

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

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

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

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

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

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

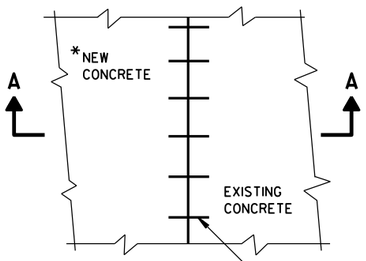
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED 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.

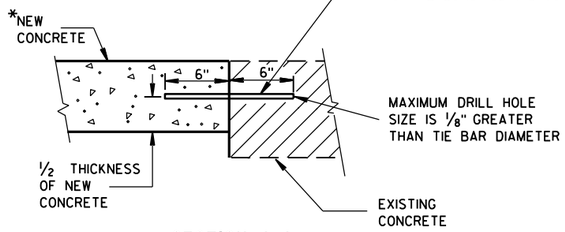
⑤ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

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



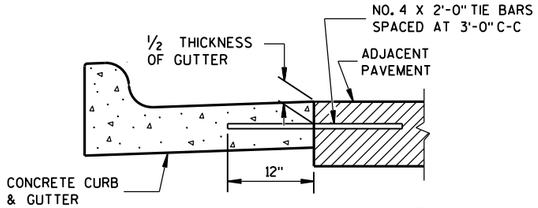
*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

PLAN VIEW

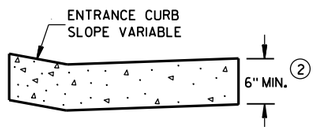


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

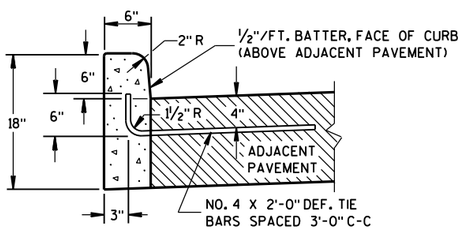


TYPICAL TIE BAR LOCATION ①

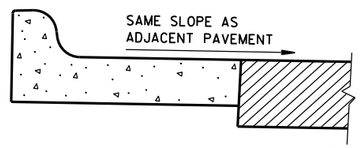


DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

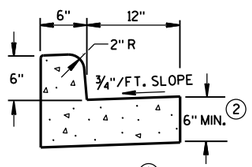


① TYPES A & D



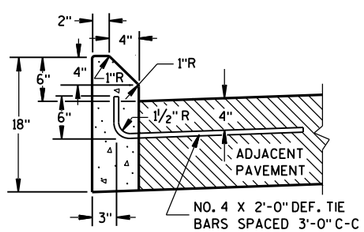
⑥ REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)



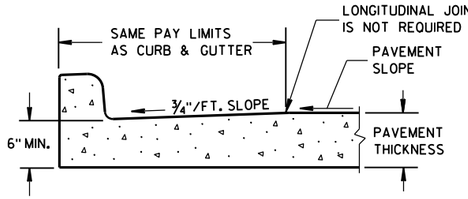
① TYPES A & D

CONCRETE CURB & GUTTER 18"

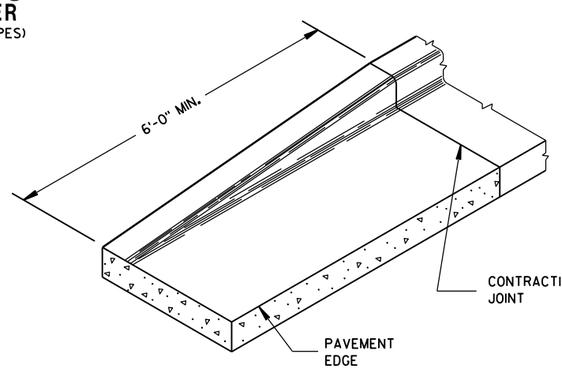


① TYPES G & J

CONCRETE CURB



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

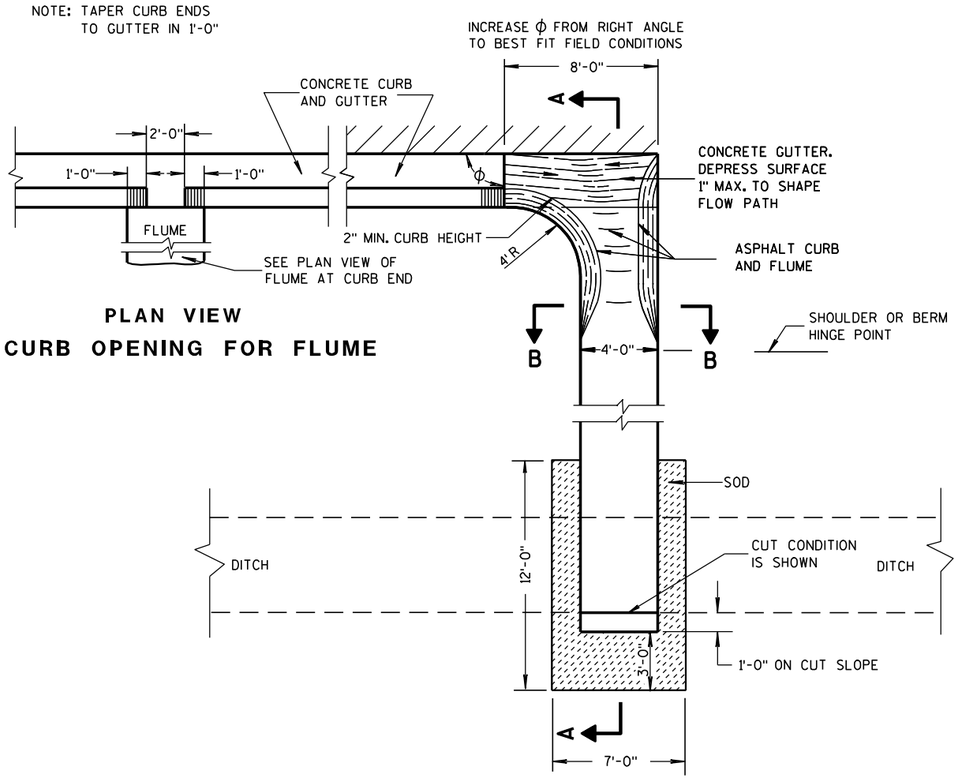
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2016 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

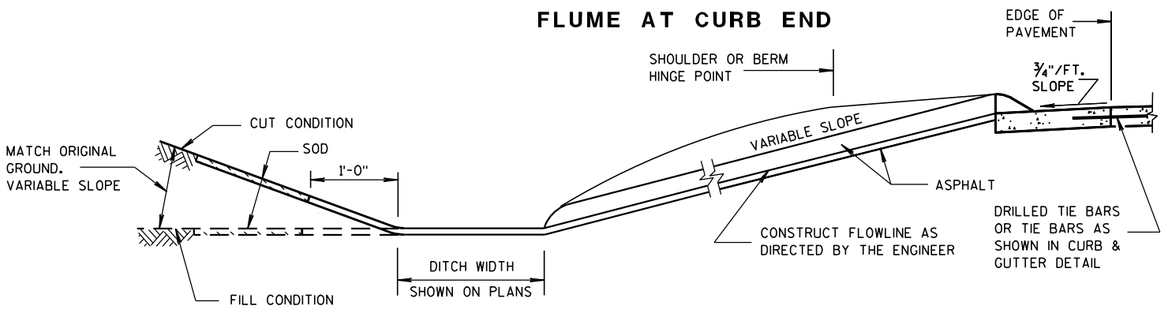
S.D.D. 8 D 1-19

ASPHALTIC FLUME

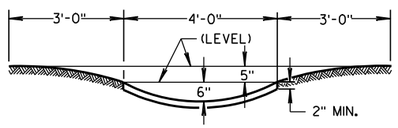


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

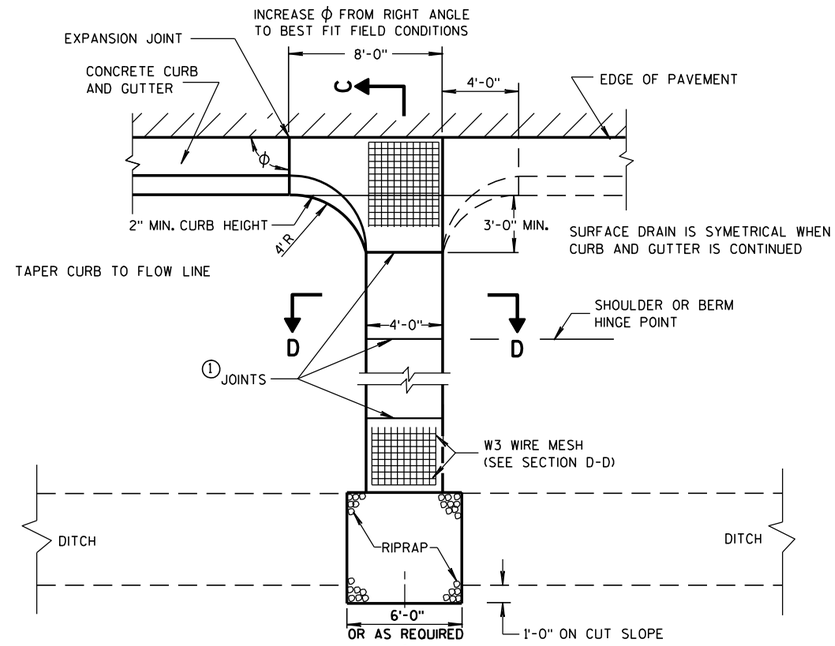
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

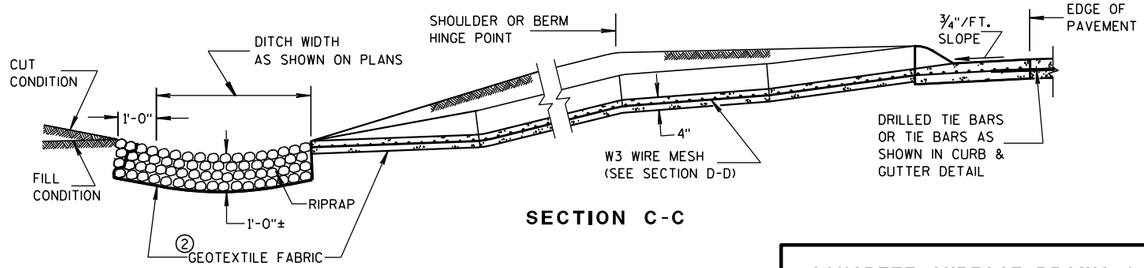
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

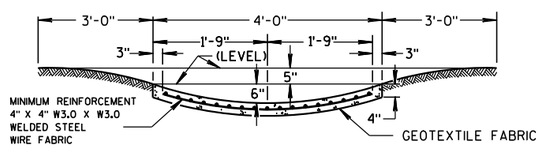
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

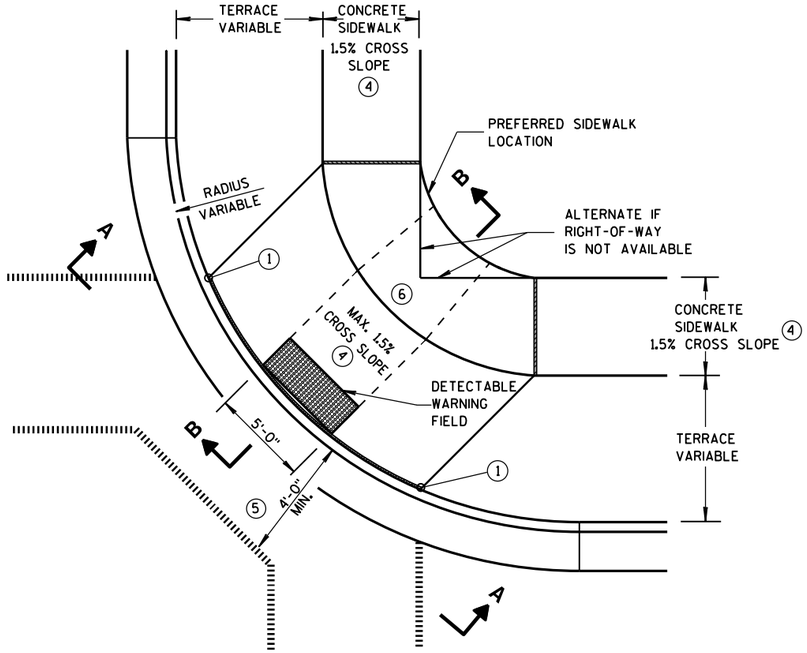
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT
FHWA

6

S.D.D. 8 D 4-5

6

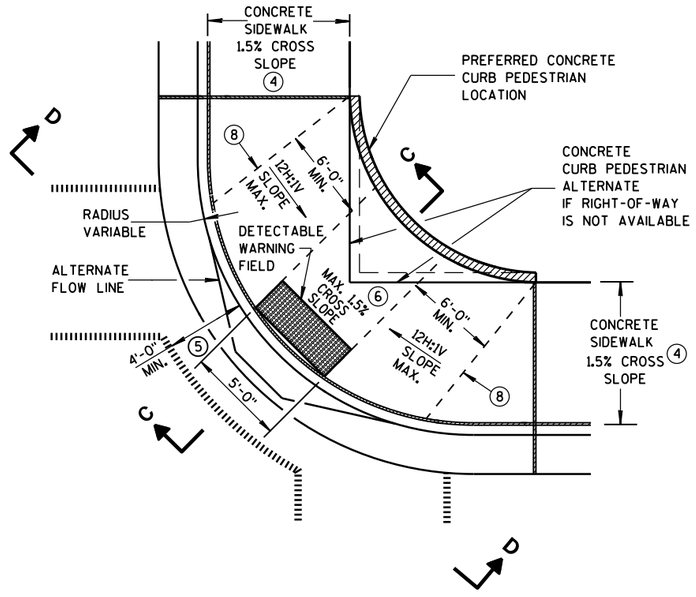
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

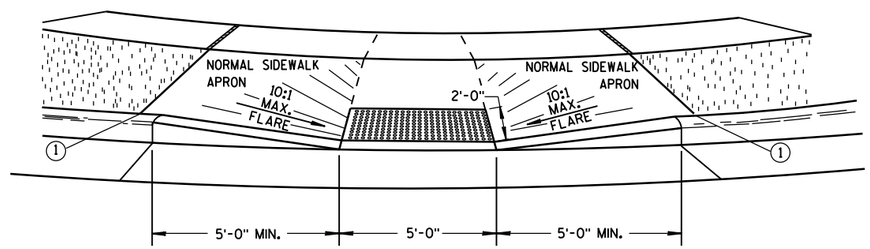
(CENTER OF CORNER RADIUS)



PLAN VIEW

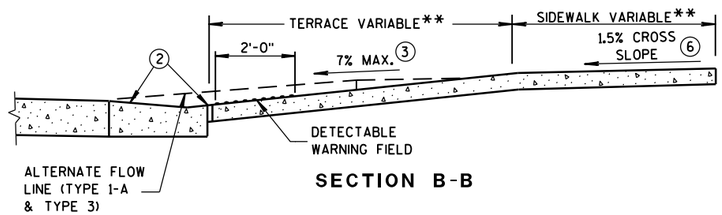
TYPE 1-A RAMP

(NO TERRACE)

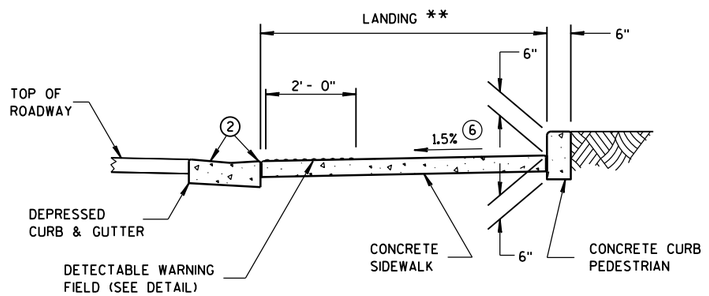


VIEW A-A

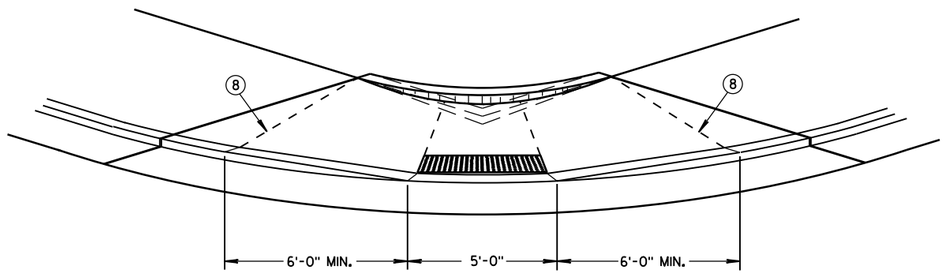
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

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.

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

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

DETECTABLE WARNING FIELD 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 LINEAL 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 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

(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 LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

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

LEGEND

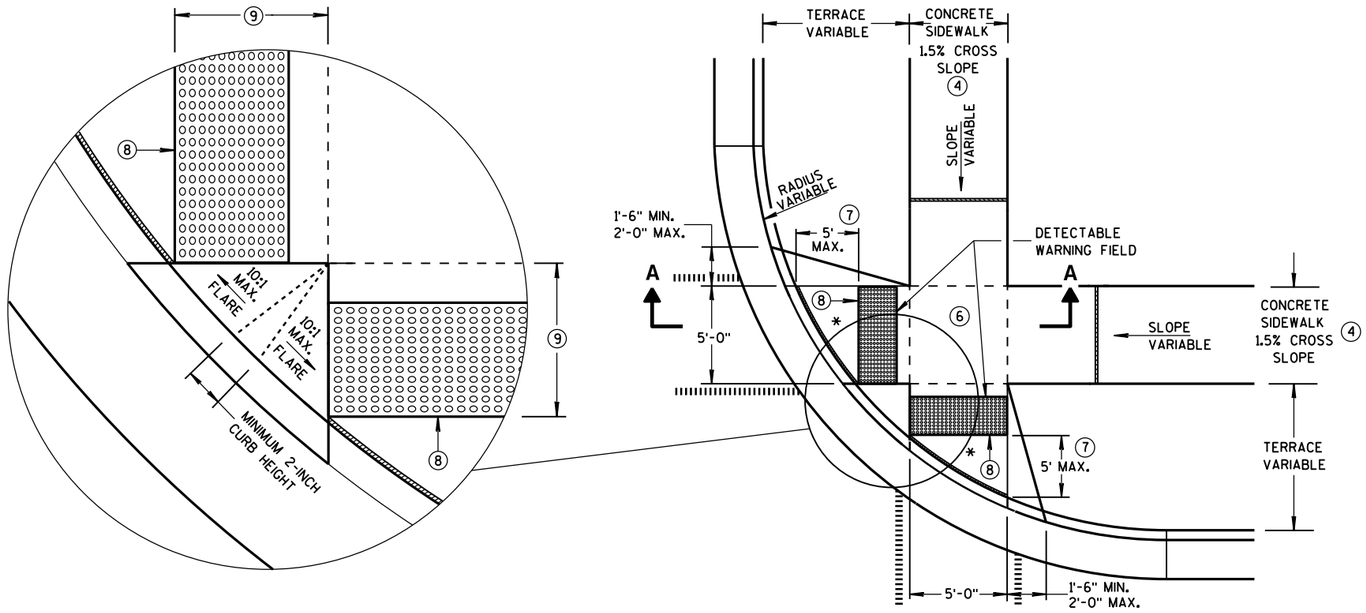
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 8 D 5-17a

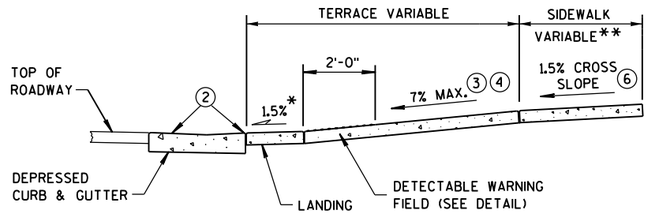


PLAN VIEW

TYPE 2 RAMP

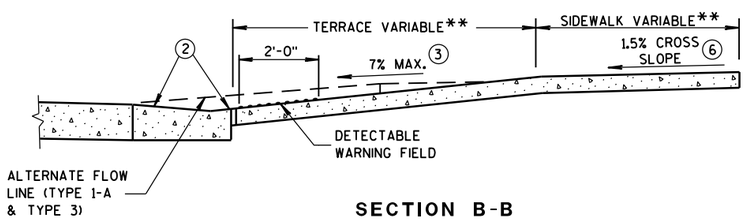
(ON LINE WITH SIDEWALK)

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



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

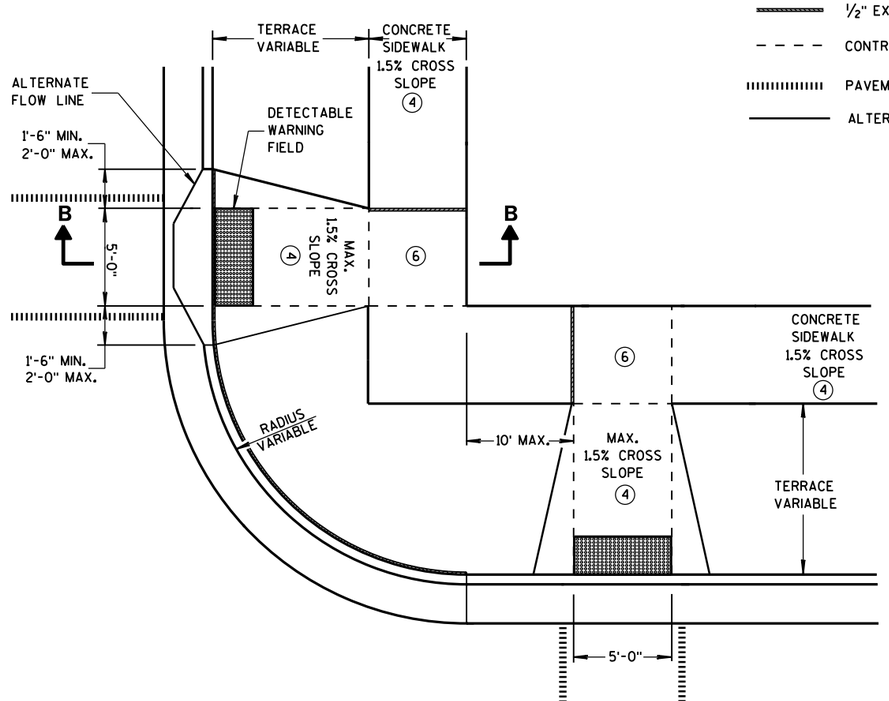
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

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

(9) WHEN THIS 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.

LEGEND

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



PLAN VIEW

TYPE 3 RAMP

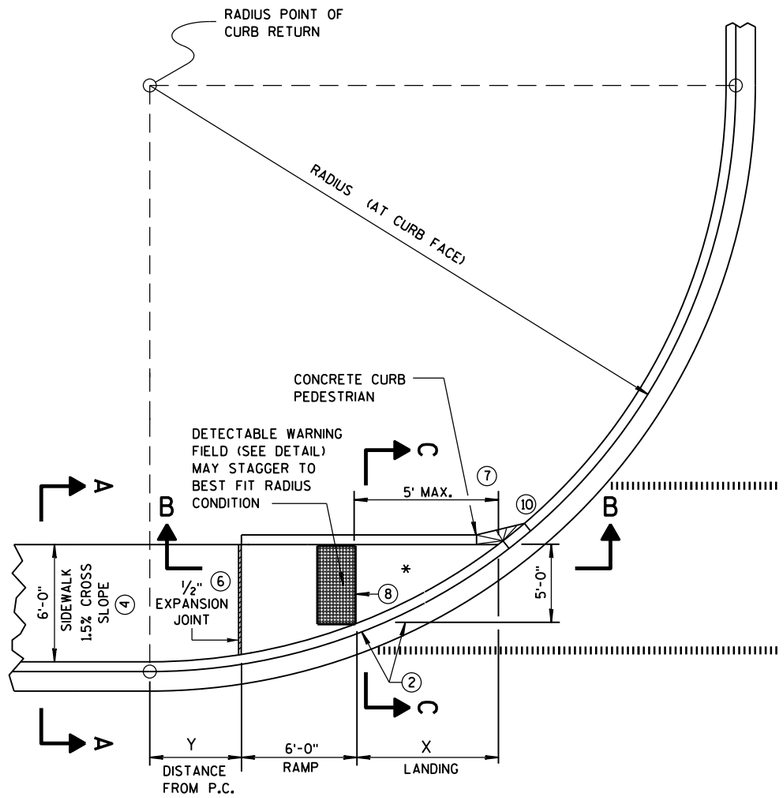
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

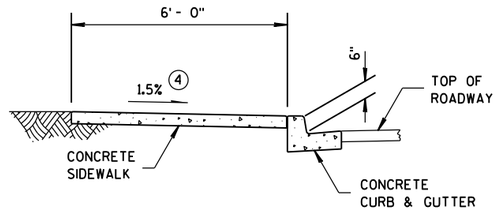
S.D.D. 8 D 5-17b



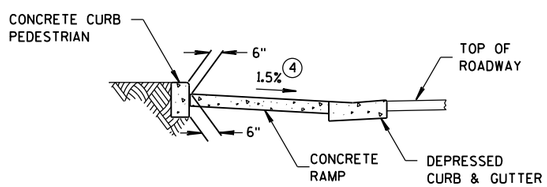
CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	7'-11"	0'-2"
30 FEET	10'-2¾"	1'-7½"
40 FEET	12'-1¼"	2'-10"
50 FEET	13'-8¾"	3'-10¾"
60 FEET	15'-2"	4'-10¼"

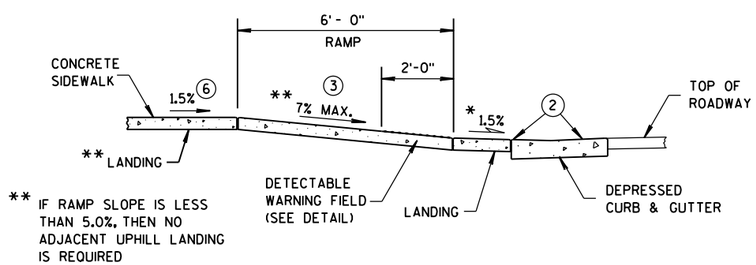
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

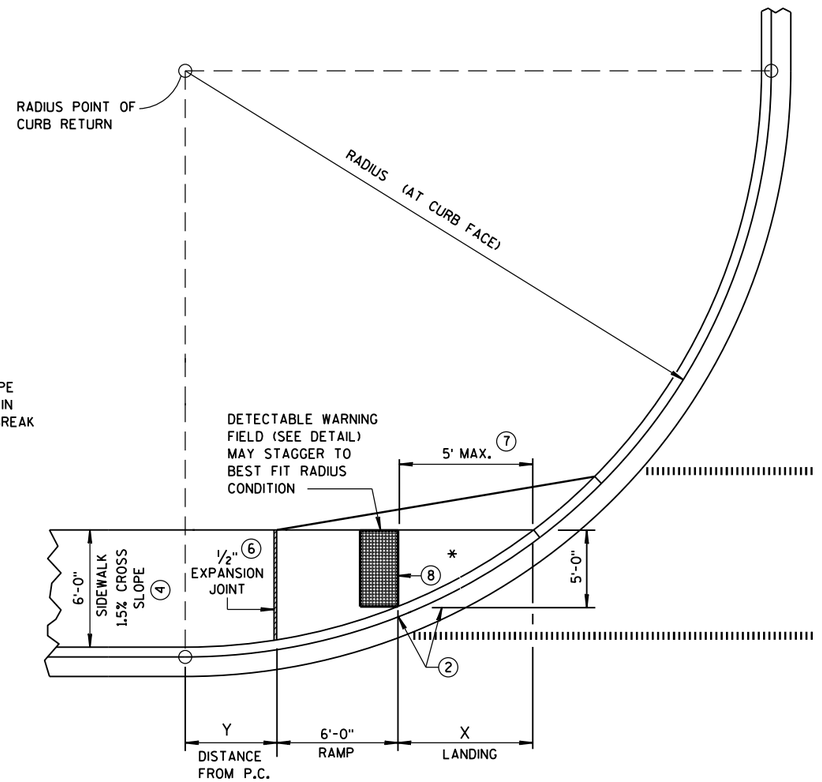


SECTION C-C FOR TYPE 4A



SECTION B-B FOR TYPE 4A

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



CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

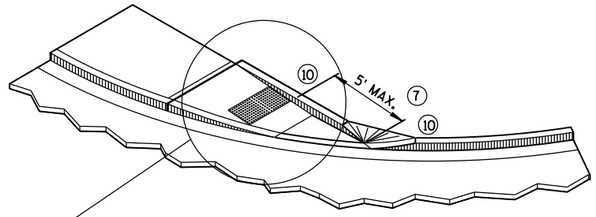
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

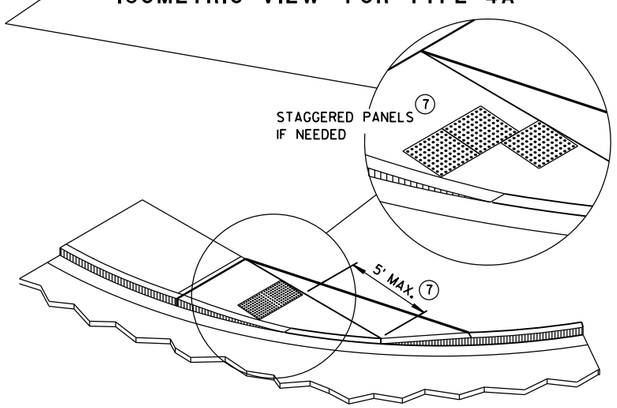
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

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

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



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

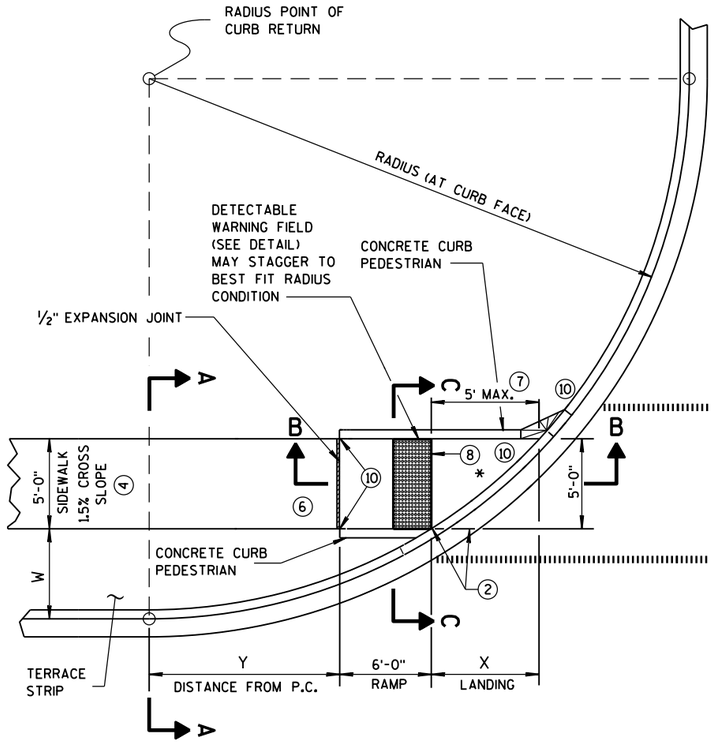
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

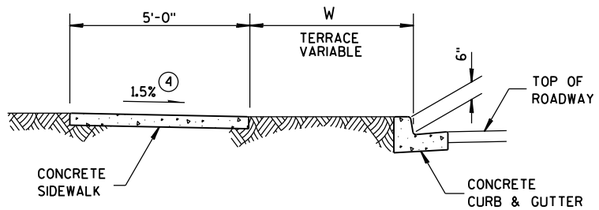
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

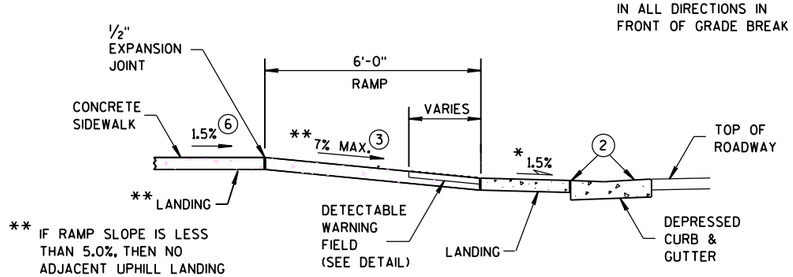
S.D.D. 8 D 5-17c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



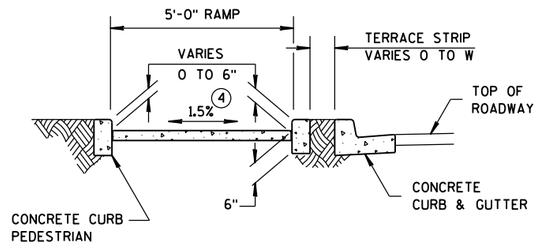
SECTION B-B FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C-C FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-6¾"	3'-3"	8'-6¼"
30 FEET	7'-9¼"	5'-10½"	6'-9½"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"
40 FEET	9'-4"	7'-10"	8'-2¾"	10'-3"	7'-4¾"	12'-3¾"	6'-8½"	14'-1¼"	6'-1¾"	15'-8½"
50 FEET	10'-8"	9'-6½"	9'-5½"	12'-3¼"	8'-6½"	14'-7½"	7'-9¾"	16'-8¼"	7'-2½"	18'-6¼"
60 FEET	11'-10¼"	11'-0¾"	10'-6½"	14'-1¼"	9'-6½"	16'-8½"	8'-9¼"	18'-11¾"	8'-1½"	21'-0½"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

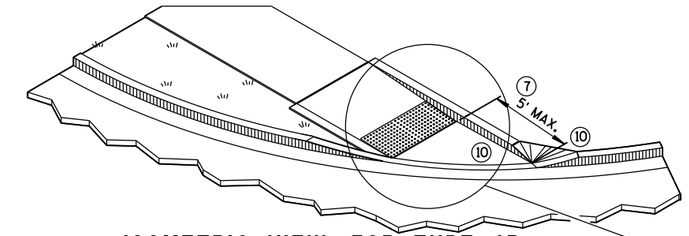
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

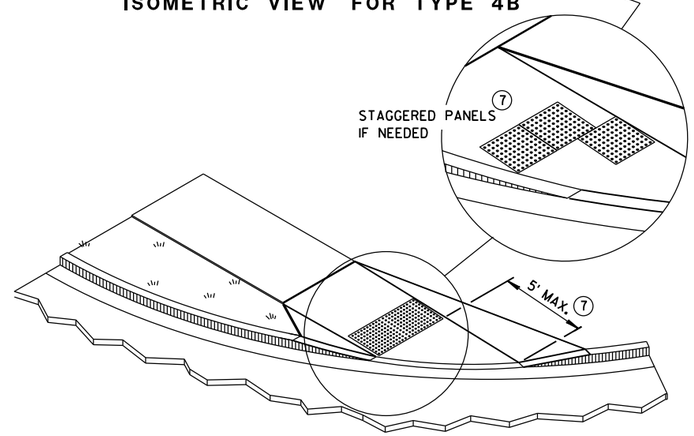
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

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

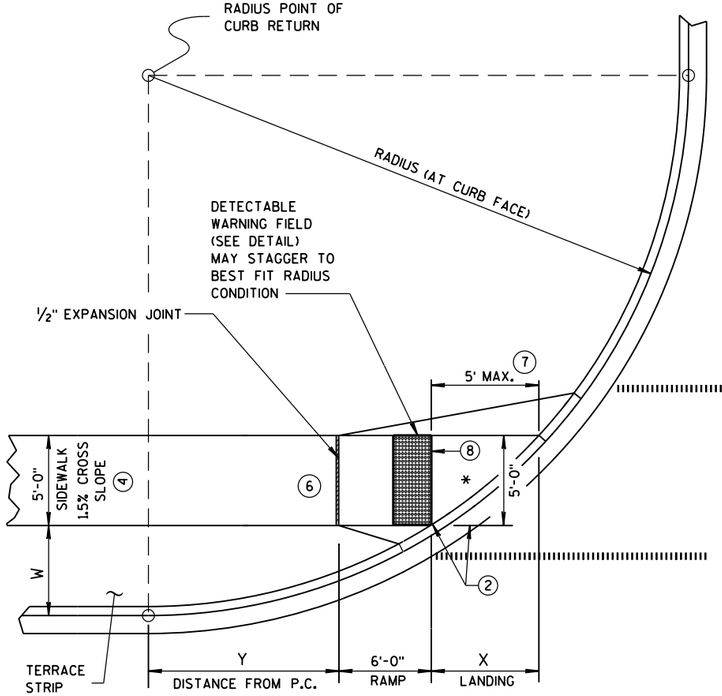
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1



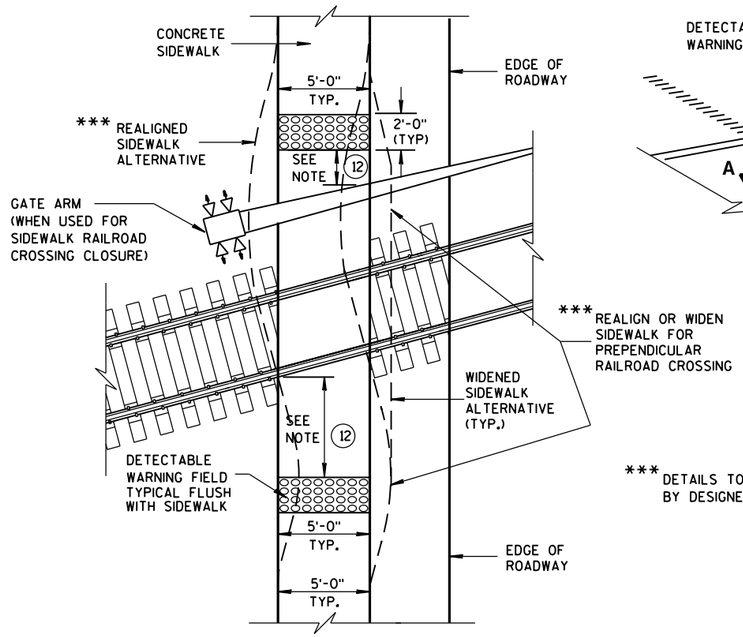
CURB RAMP TYPE 4B1
PLAN VIEW

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

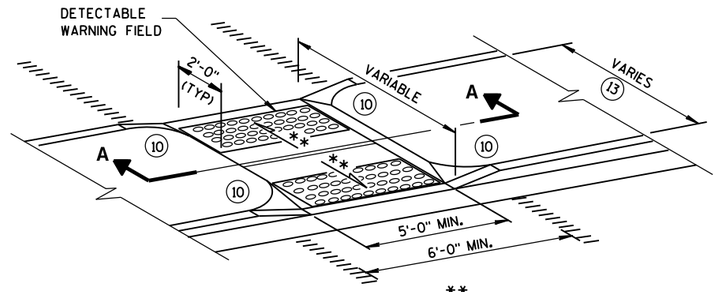
6

S.D.D. 8 D 5-17d



*** DETAILS TO BE DETERMINED BY DESIGNER

TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

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 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

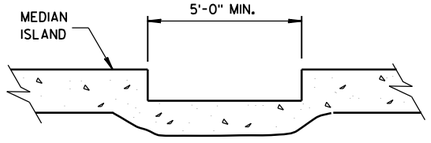
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(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.

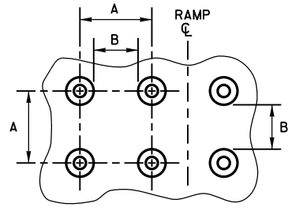
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS IF MEDIAN WIDTH BETWEEN BACK OF CURBS IS LESS THAN 6 FEET.



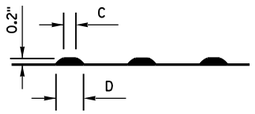
SECTION A-A

	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.

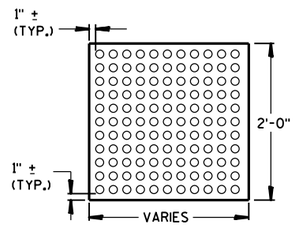


PLAN VIEW



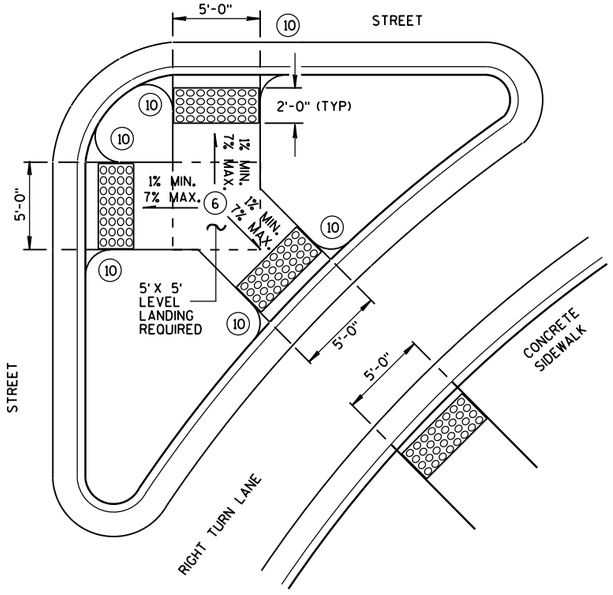
ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

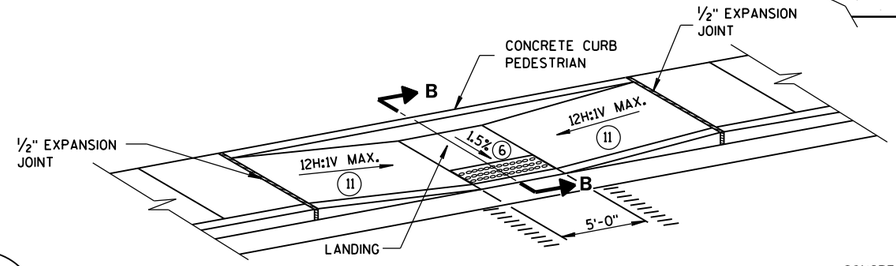


PLAN VIEW
DETECTABLE WARNING FIELD (TYPICAL)

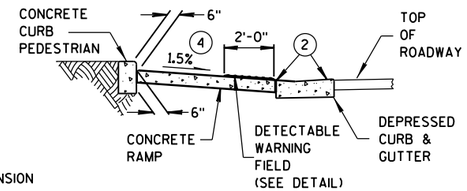
REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



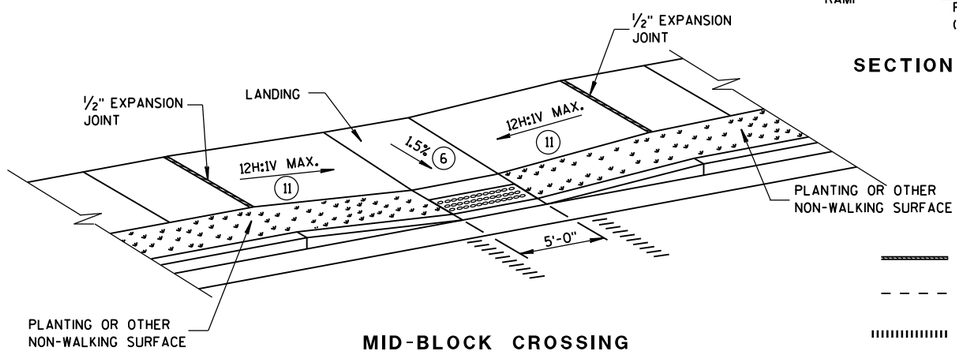
TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7A



SECTION B-B



MID-BLOCK CROSSING
TYPE 7B

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

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2016
DATE
FHWA

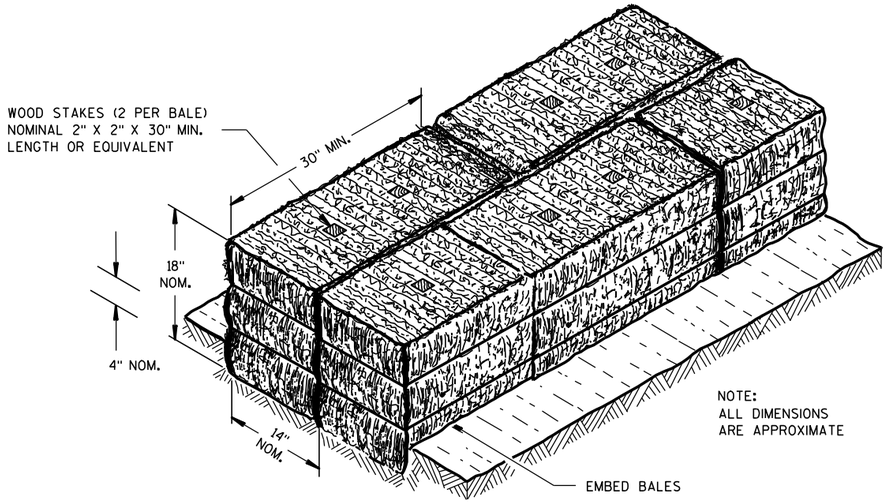
/S/ Jerry H. Zogg
ROADWAY STANDARDS [illegible] ENGINEER

6

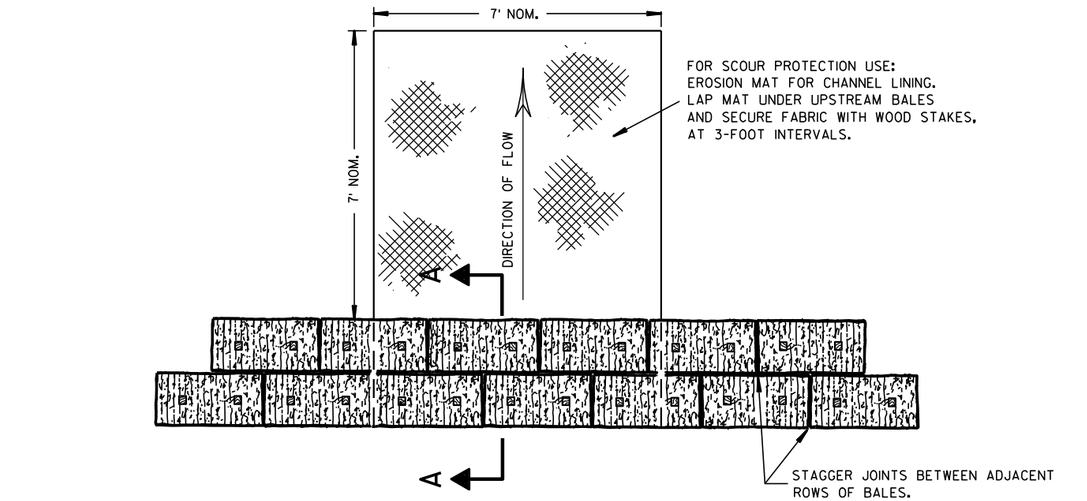
S.D.D. 8 D 5-17e

6

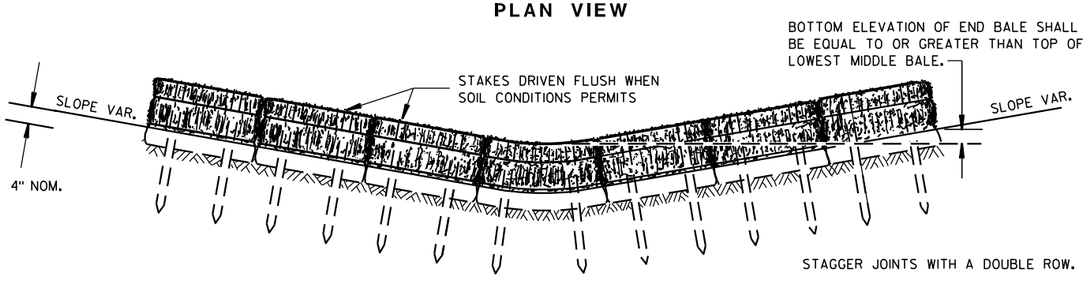
S.D.D. 8 D 5-17e



SECTION A-A



PLAN VIEW



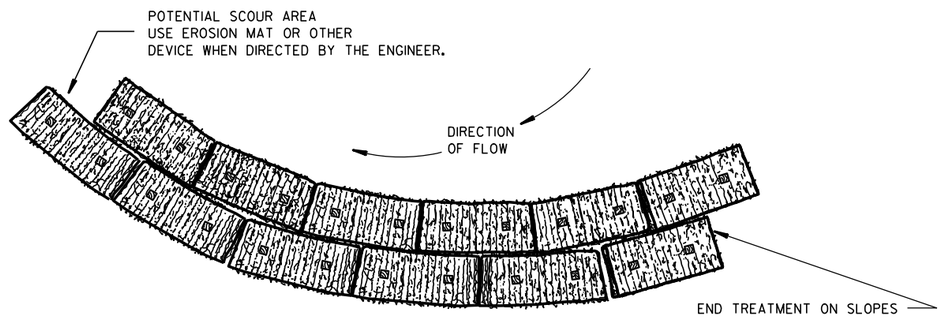
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

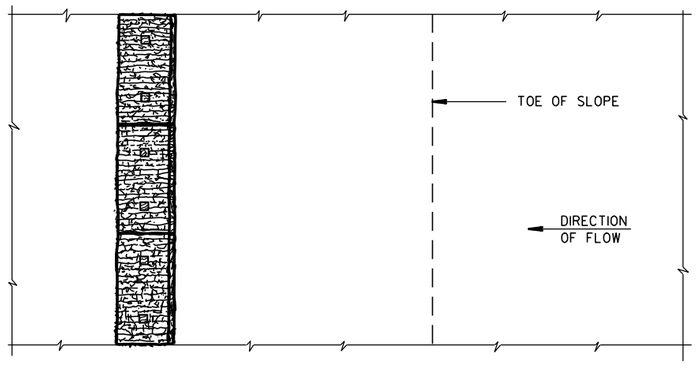
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

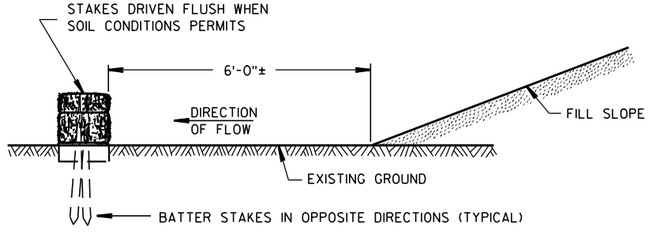


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

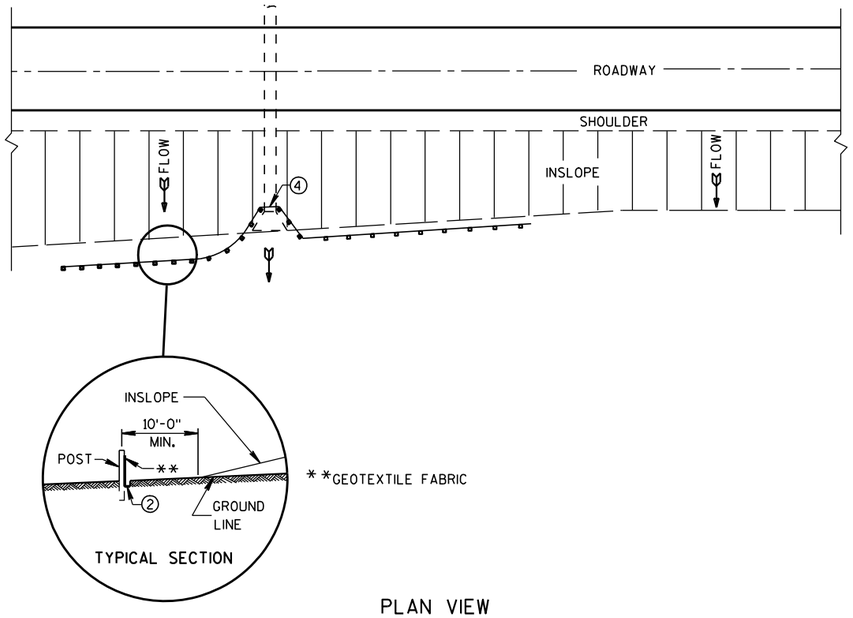
APPROVED
6/04/02 DATE
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

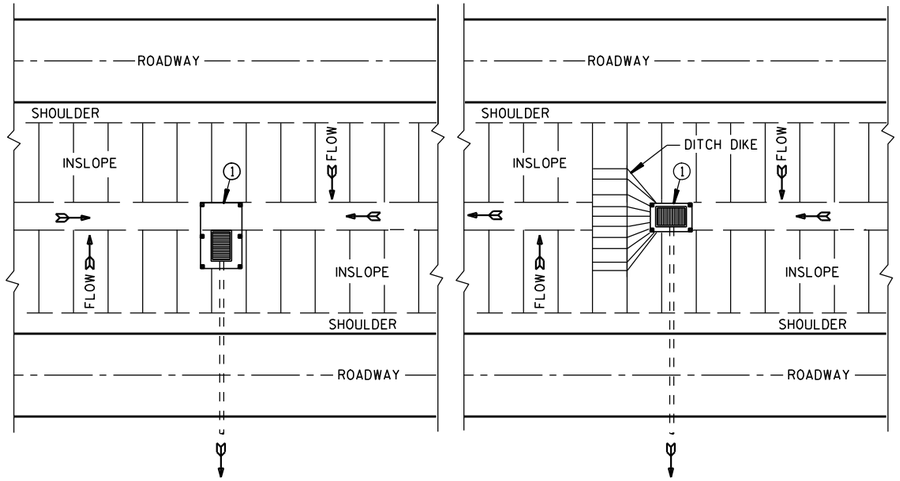
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

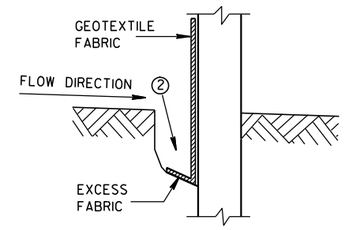
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

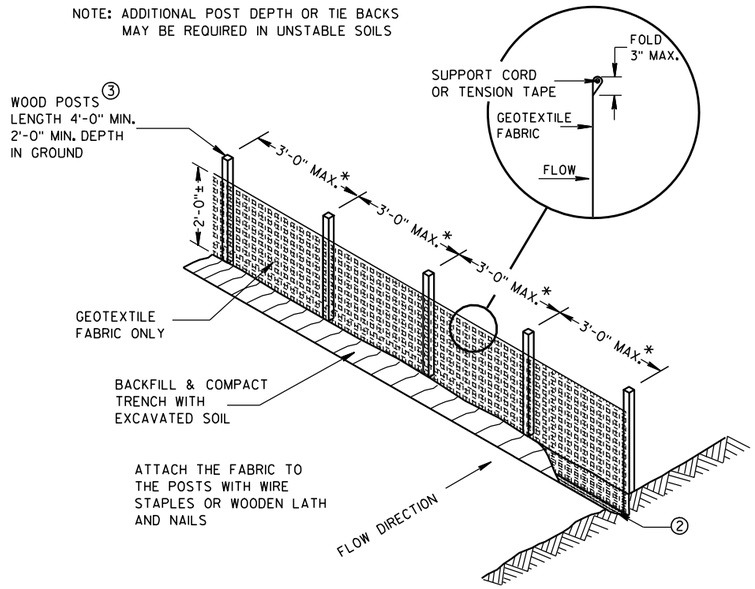
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

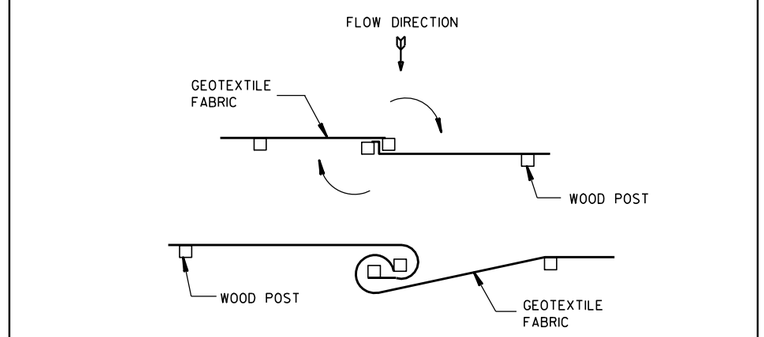


TRENCH DETAIL

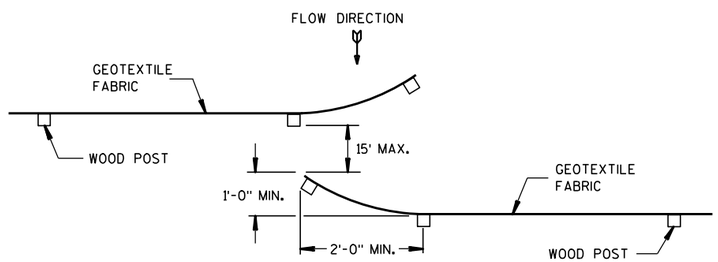


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

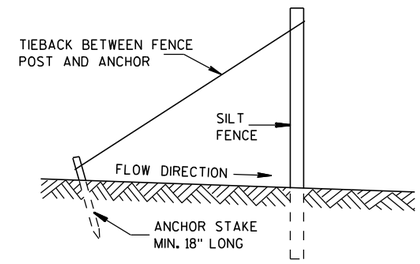


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

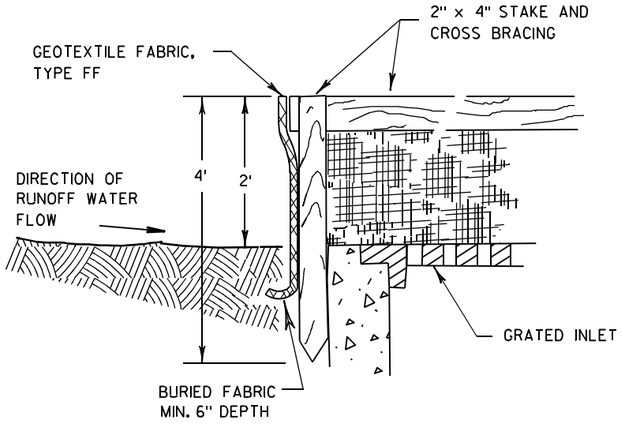
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

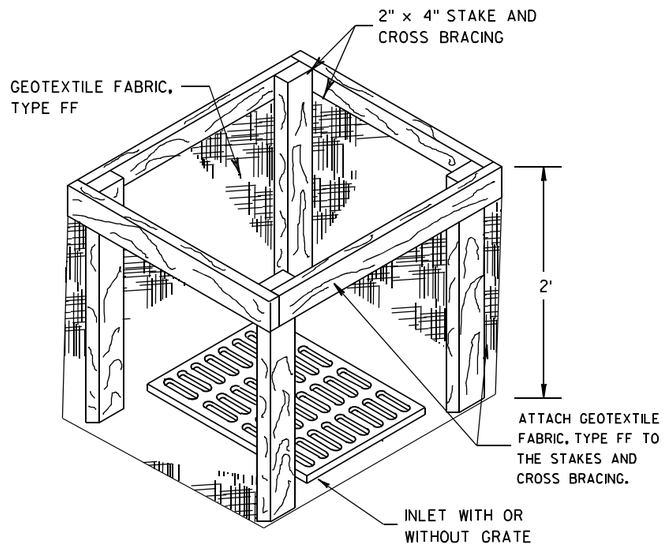
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S.D.D. 8 E 9-6

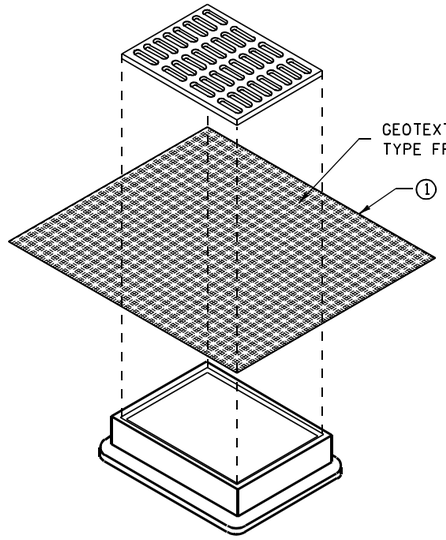
6

S.D.D. 8 E 9-6



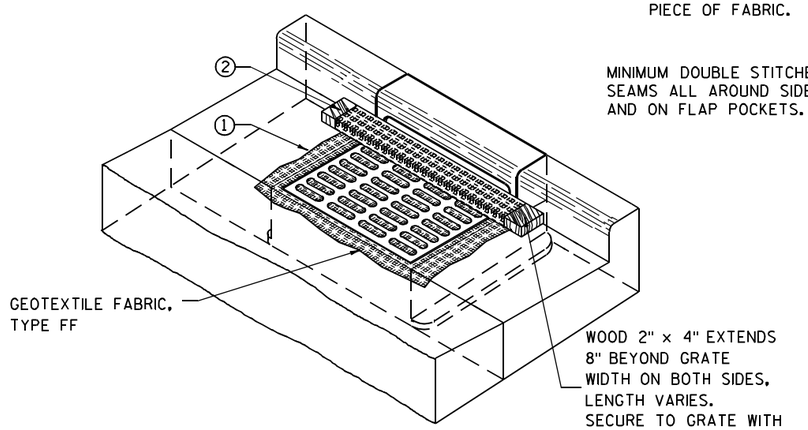


INLET PROTECTION, TYPE A

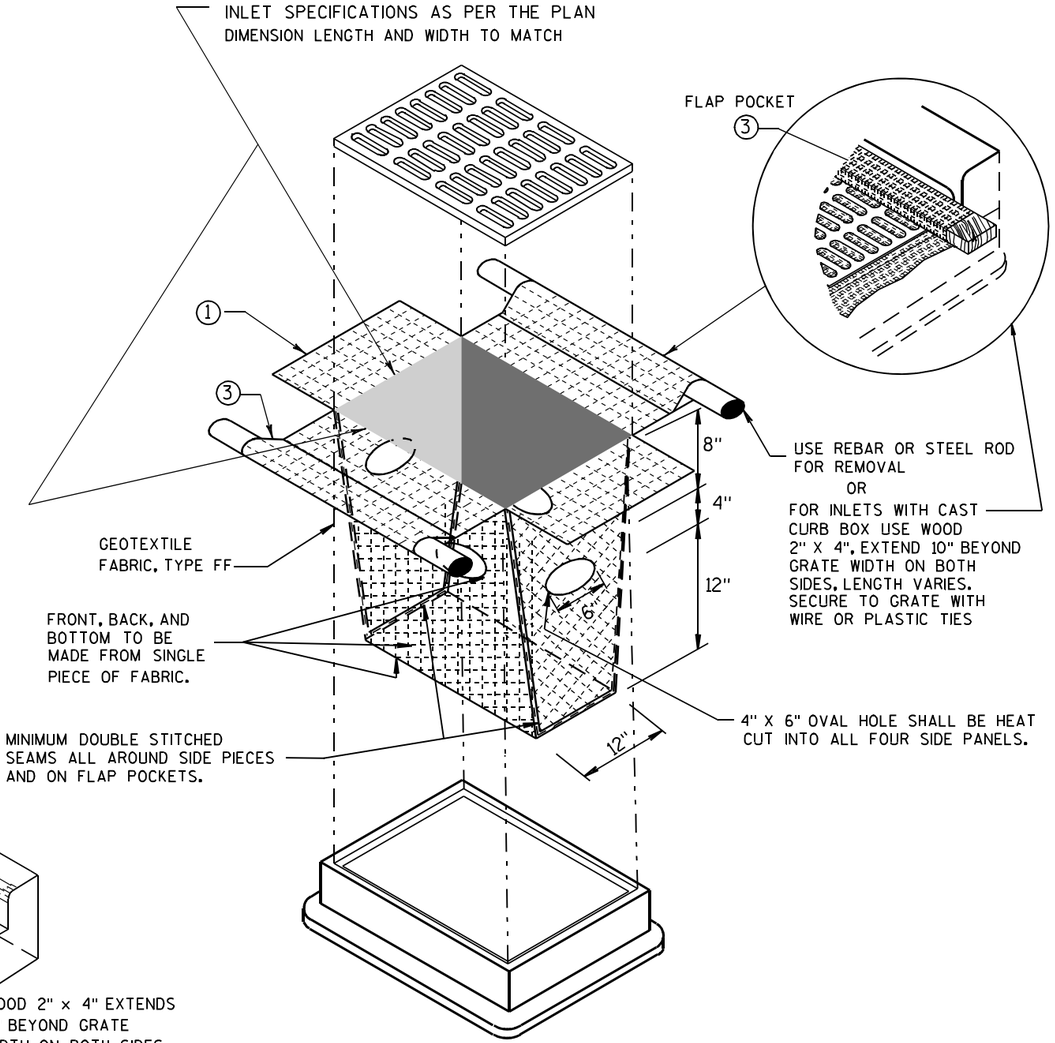


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

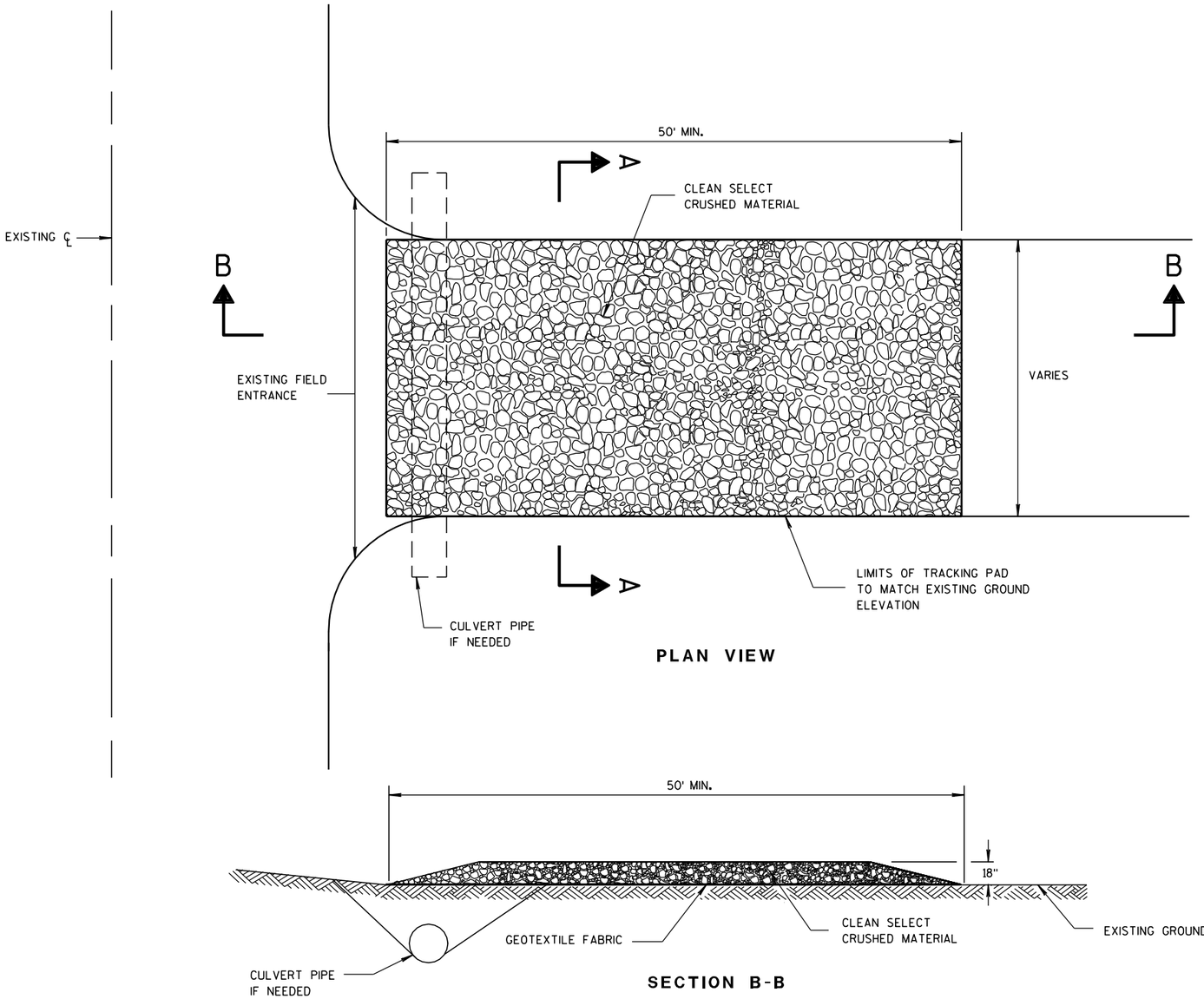
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



PLAN VIEW

SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

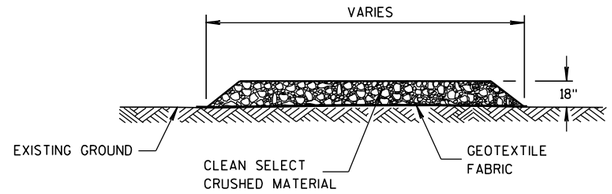
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

6

S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011	/S/ Jerry H. Zoda	
DATE	ROADWAY STANDARDS ENGINEER	ENT

FHWA

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

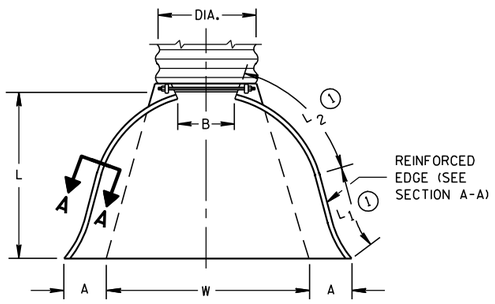
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

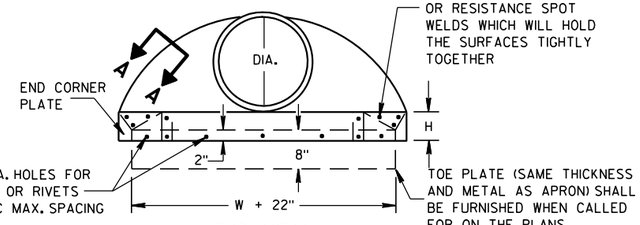
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

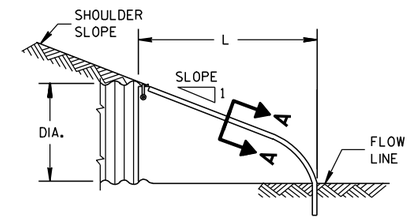
*MINIMUM
**MAXIMUM



PLAN VIEW

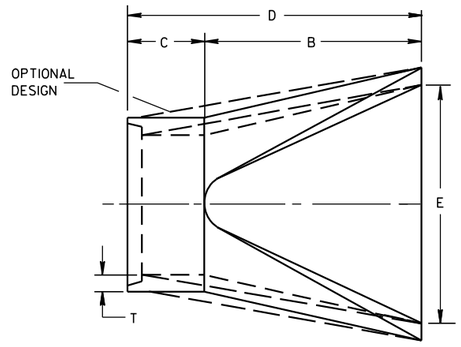


END VIEW

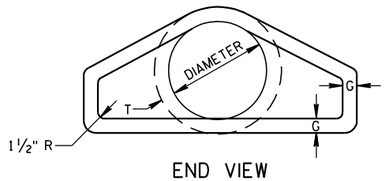


SIDE ELEVATION

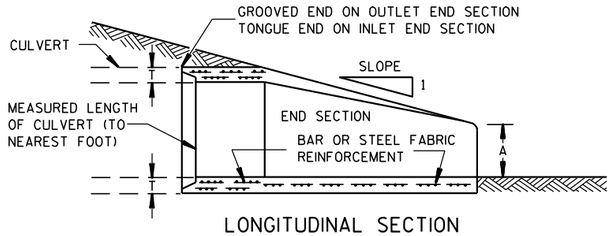
METAL ENDWALLS



PLAN

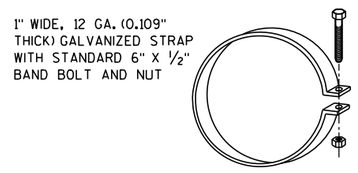


END VIEW



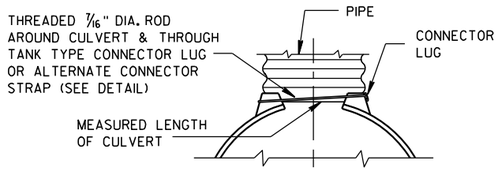
LONGITUDINAL SECTION

CONCRETE ENDWALLS

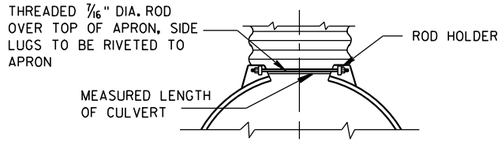


ALTERNATE FOR TYPE 1 CONNECTION

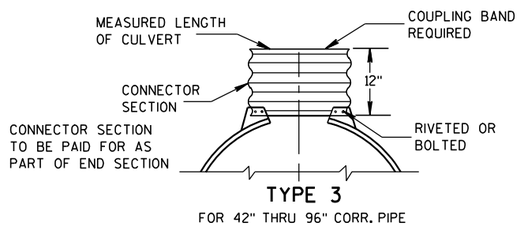
END SECTION CONNECTOR STRAP



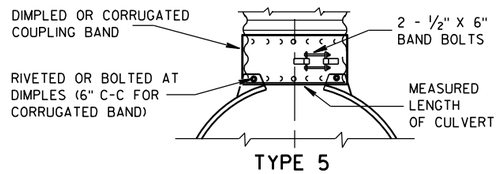
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

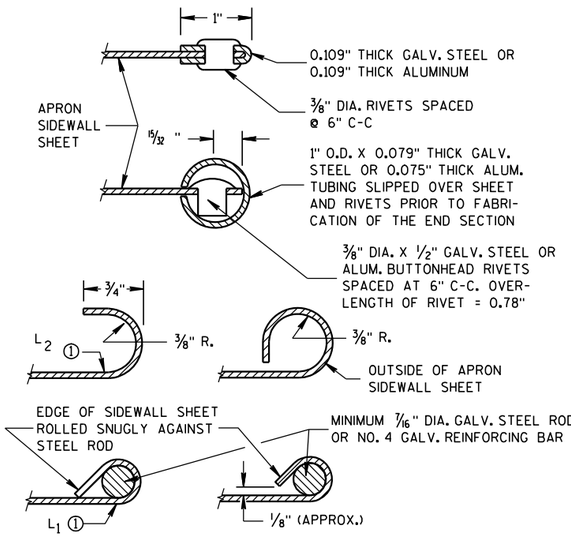
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

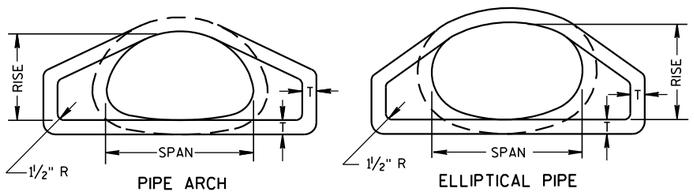
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

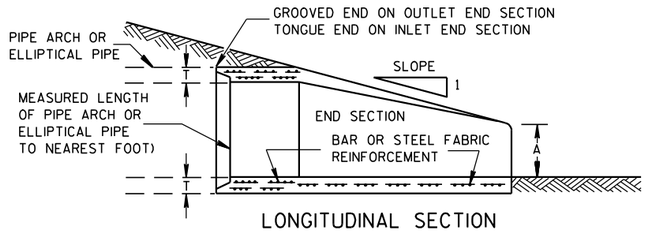
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

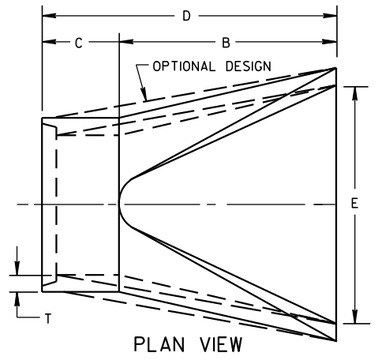
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S.D.D. 8 F 1-11



END VIEW

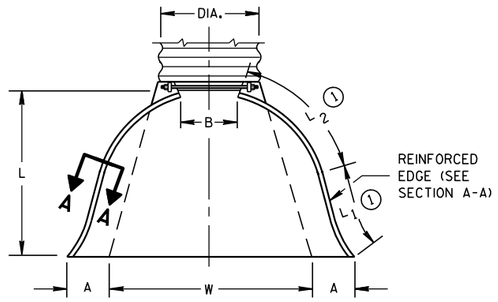


LONGITUDINAL SECTION

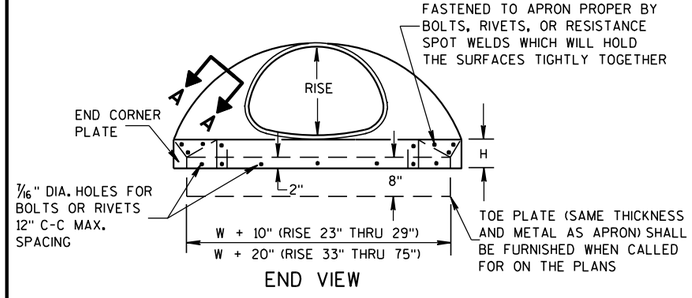


PLAN VIEW

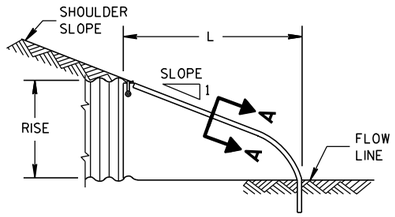
CONCRETE ENDWALLS



PLAN VIEW

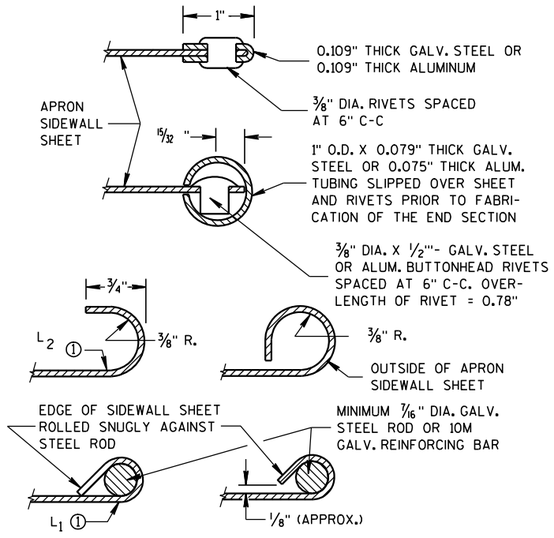


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

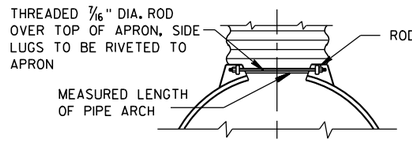
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

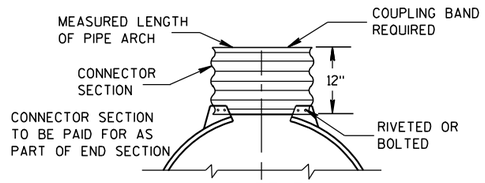
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



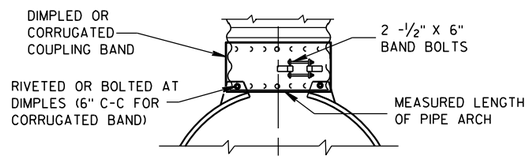
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

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.

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

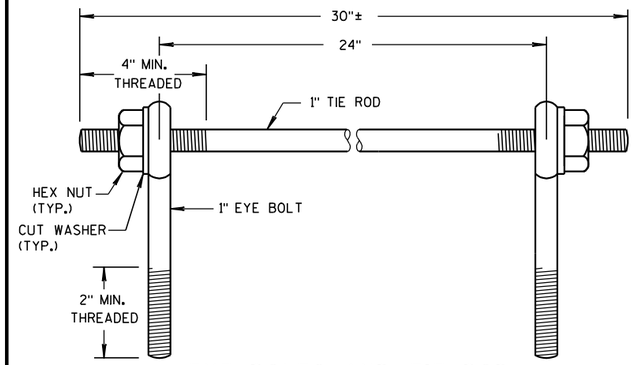
FHWA

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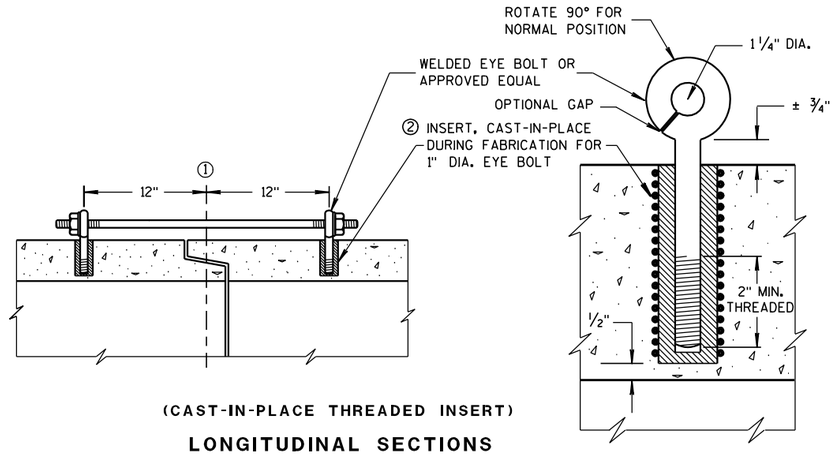
S.D.D. 8 F 2-1

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S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

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

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

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

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

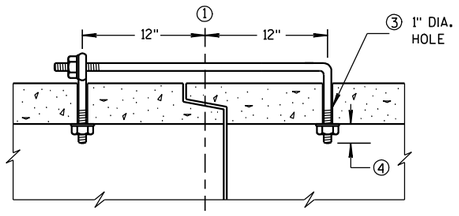
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

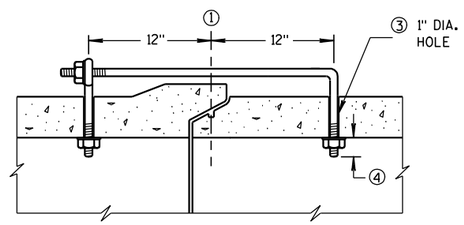
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

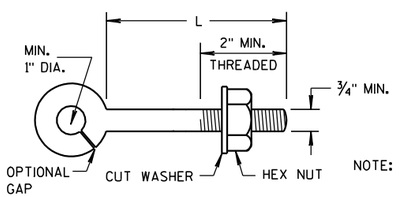


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

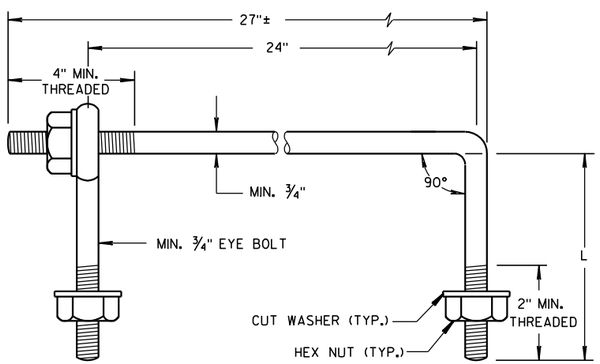
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

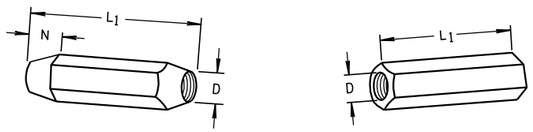
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

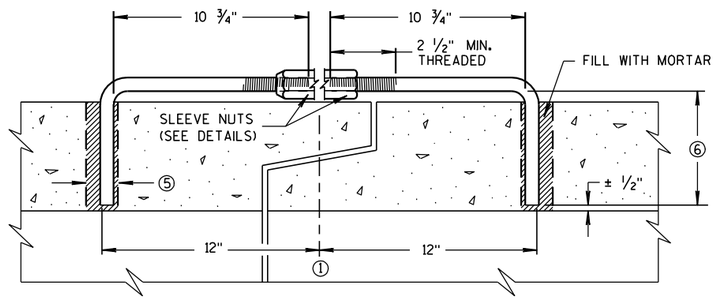
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

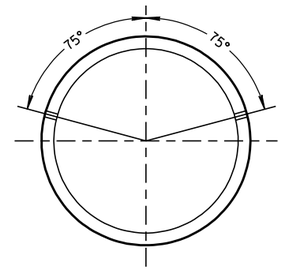
SLEEVE NUTS



LONGITUDINAL SECTION

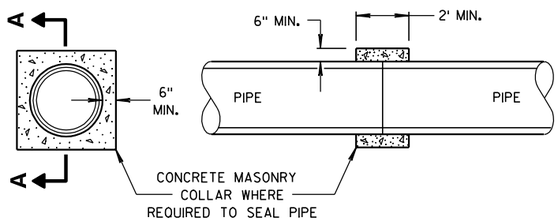
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

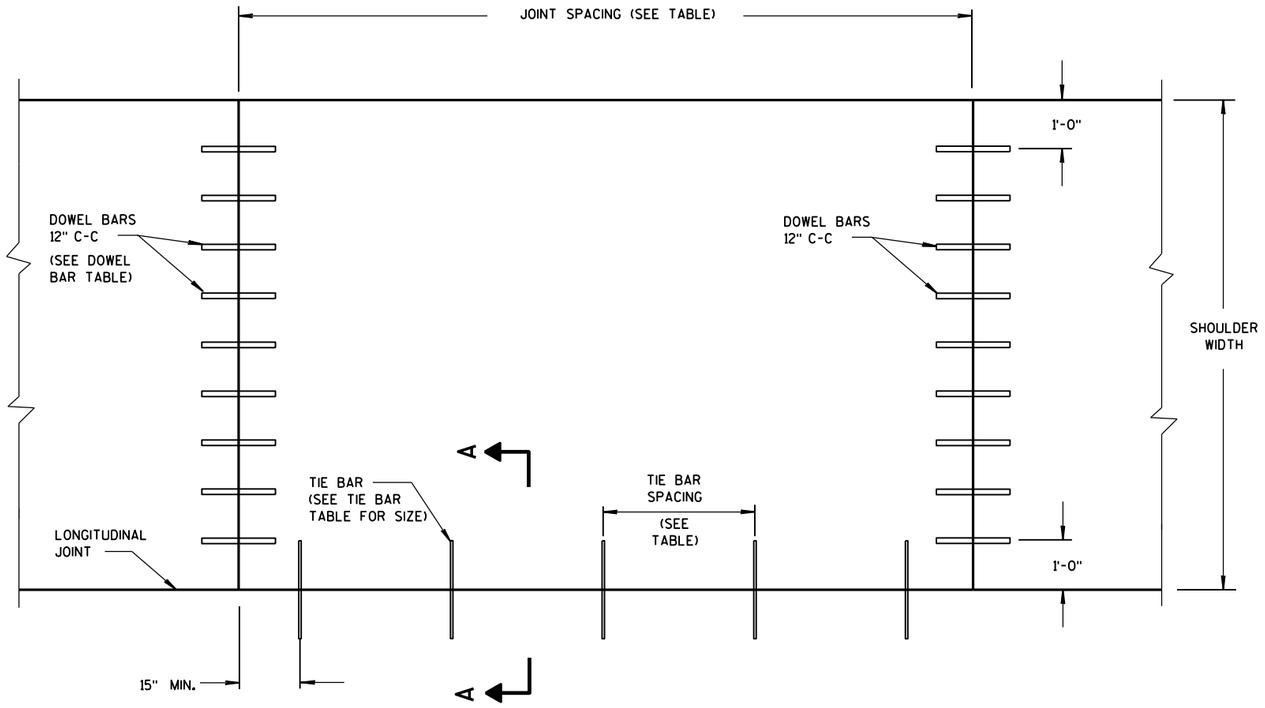
APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
184
FHWA

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S.D.D. 8 F 4-7

6

S.D.D. 8 F 4-7



PLAN VIEW

CONCRETE PAVEMENT SHOULDER

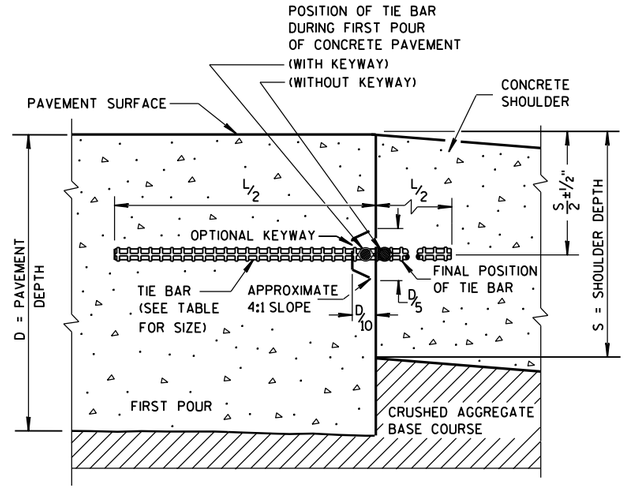
GENERAL NOTES

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.

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

FINISH THE SHOULDER PAVEMENT CONFORMING TO SUBSECTION 415.3.8 OF THE STANDARD SPECIFICATIONS.

TIE BARS SHALL CONFORM TO SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.



SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT

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" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER***	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'

*** FOR DOWELED CONCRETE SHOULDERS WITH TRAPEZOIDAL CROSS SECTIONS, CHOSE THE APPROPRIATE DOWEL BAR DIAMETER BASED ON THE SMALLER PAVEMENT DEPTH (LIKELY THE OUTSIDE EDGE OF THE SHOULDER). IF USING BASKETS, USE BASKETS FOR THE AVERAGE THICKNESS OF THE CROSS SECTION.

CONCRETE PAVEMENT SHOULDERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

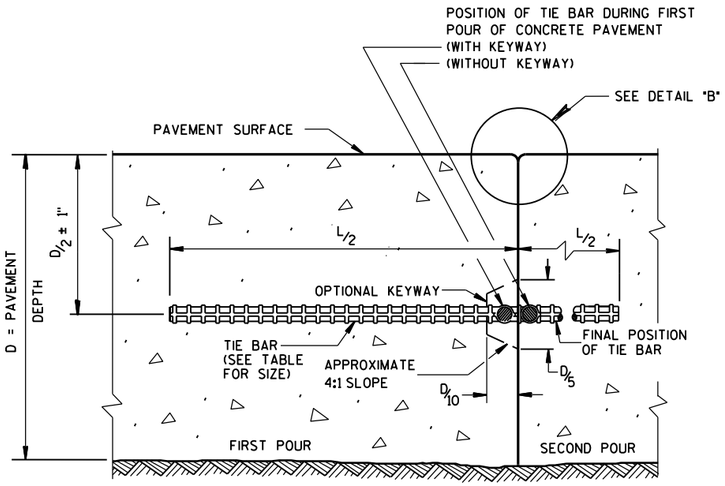
APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPEF
FHWA

6

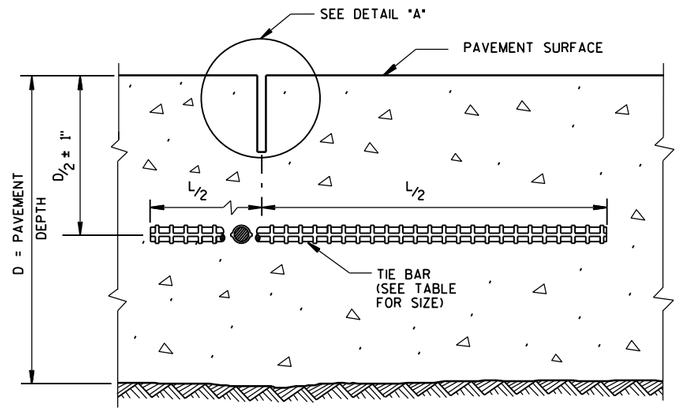
S.D.D. 13 A 3-6

6

S.D.D. 13 A 3-6



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

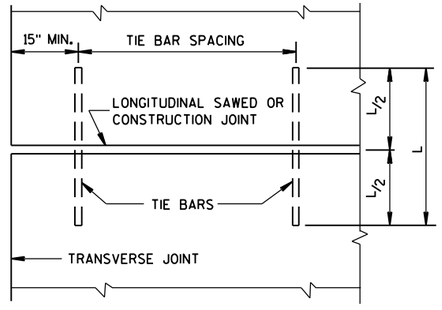
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

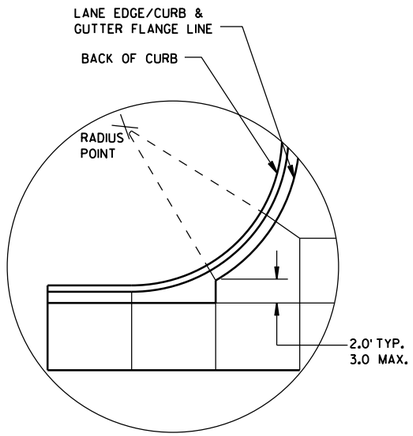
CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

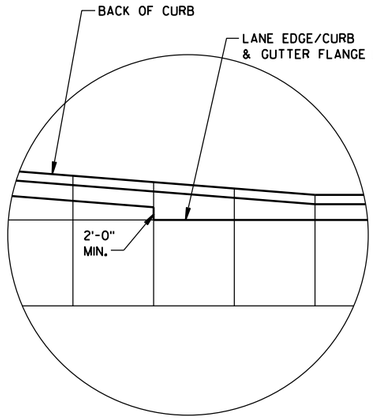
APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

6

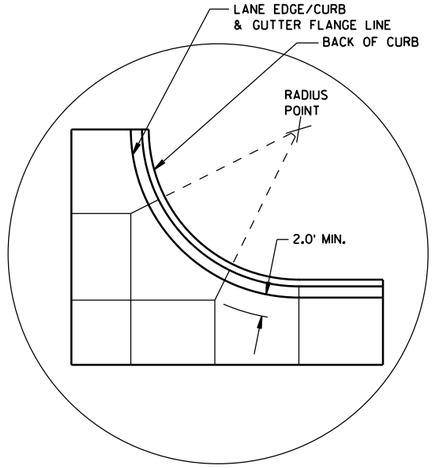
S.D.D. 13 C 1-18



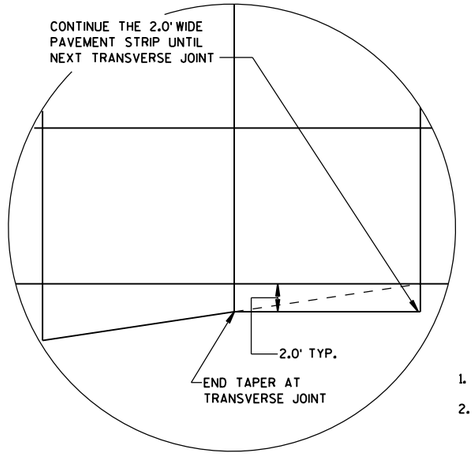
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

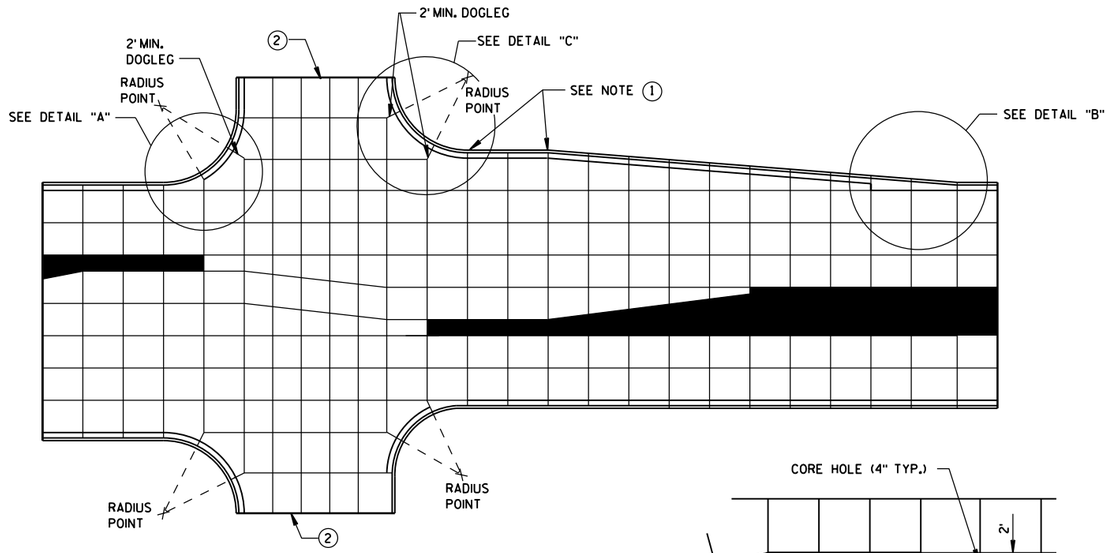
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

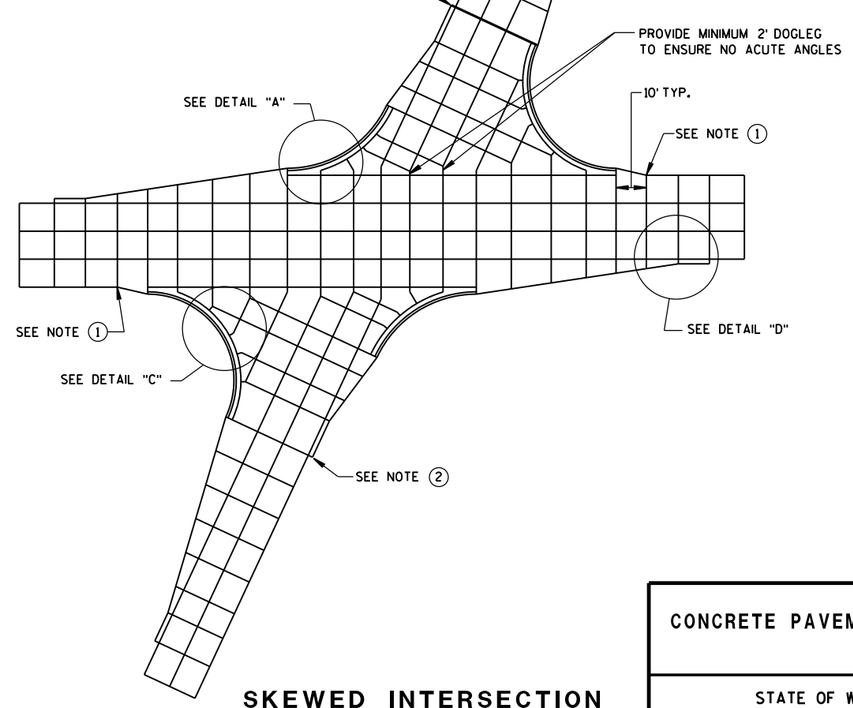
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



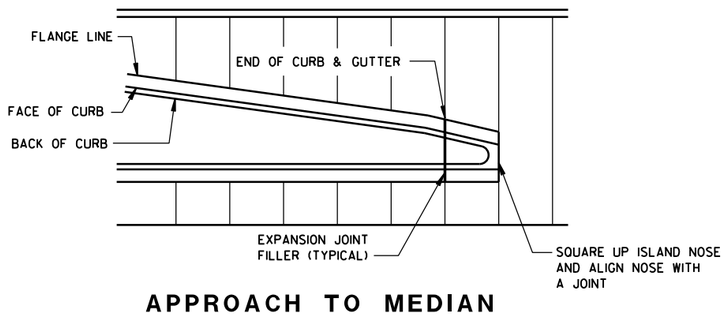
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

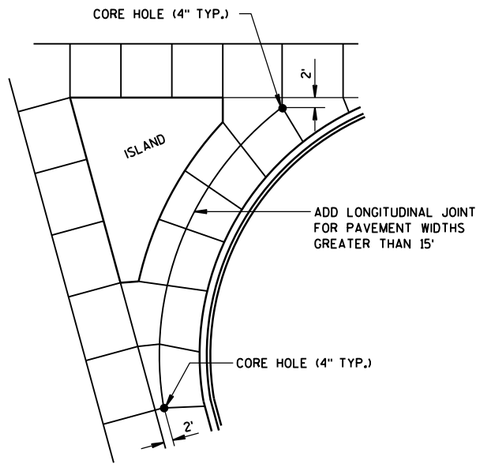
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

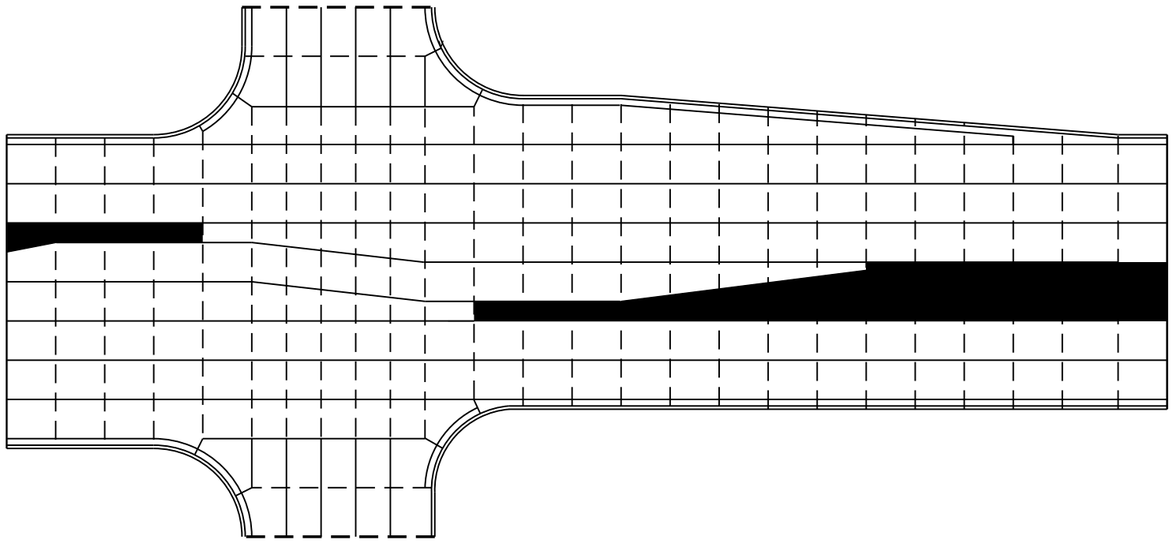
6
S.D.D. 13 C 18-4a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

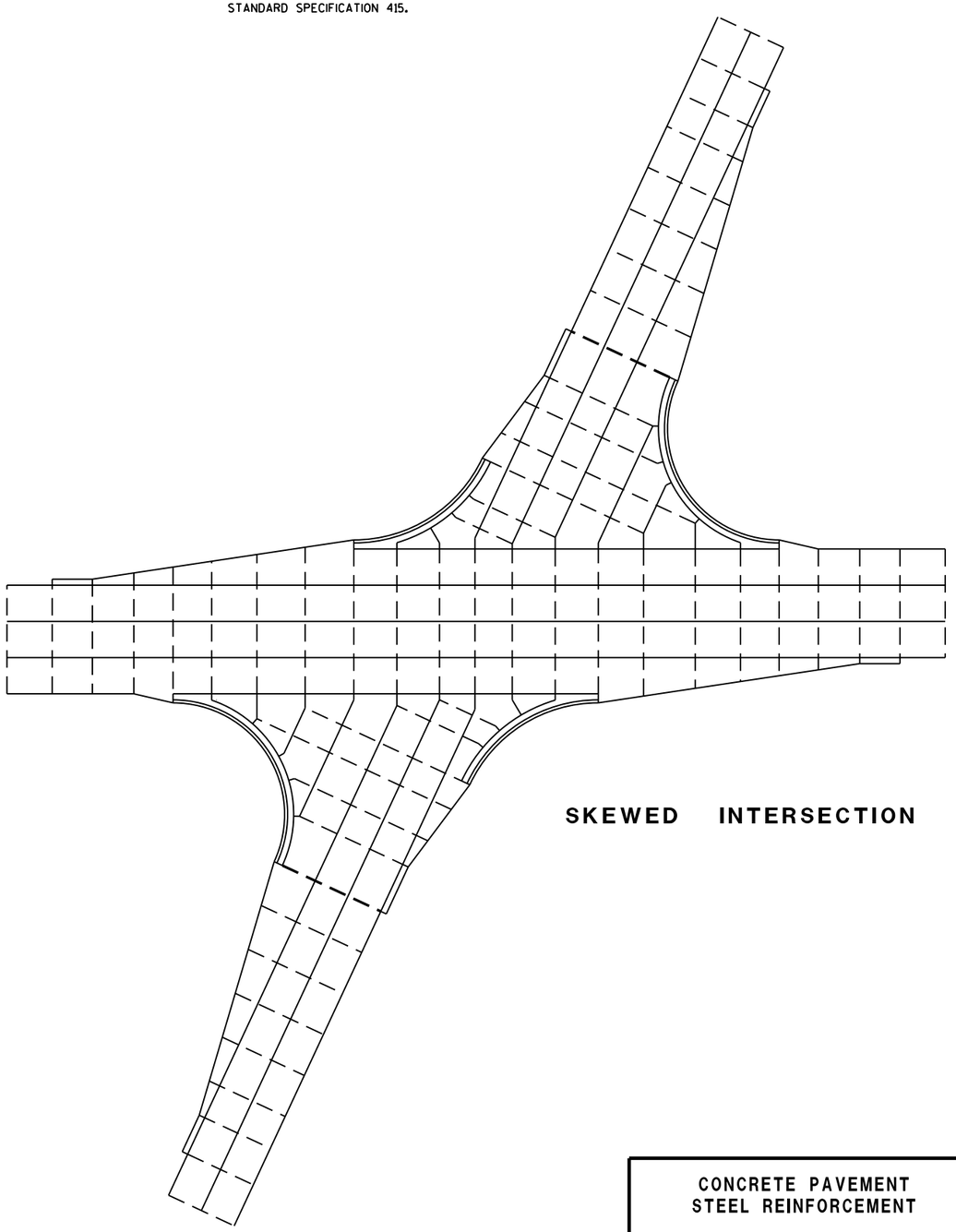
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

CONCRETE PAVEMENT
STEEL REINFORCEMENT

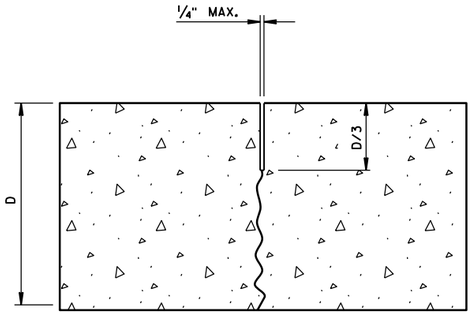
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

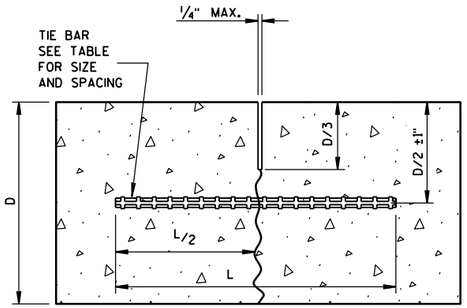
S.D.D. 13 C 18-4b

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S.D.D. 13 C 18-4b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

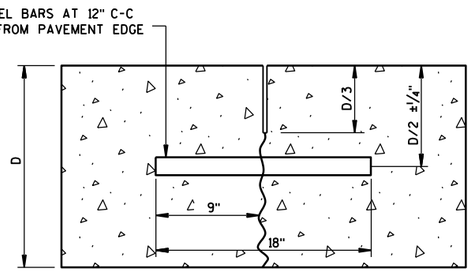
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* 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.

GENERAL NOTES

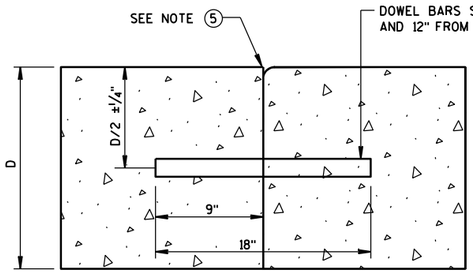
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 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 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



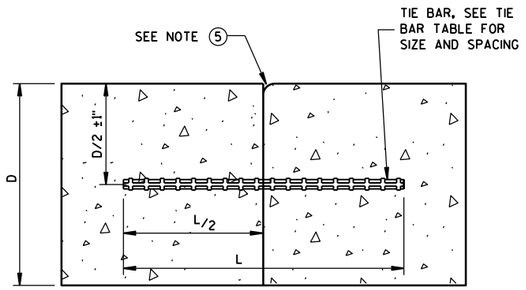
DOWELED-TRANSVERSE

CONTRACTION JOINTS

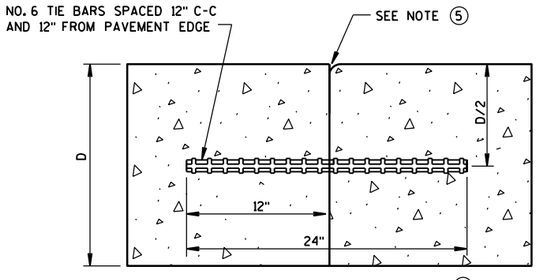
SEE NOTE (2)



DOWELED TRANSVERSE (3)

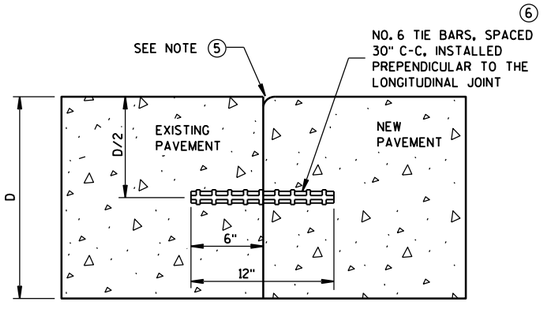


TIED LONGITUDINAL



TIED TRANSVERSE (3)

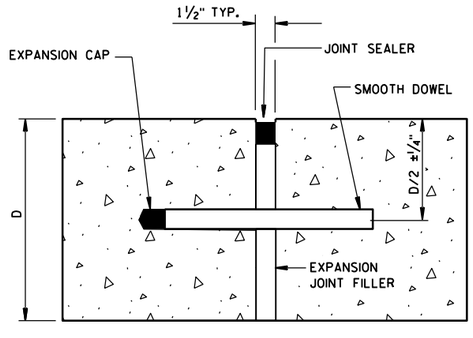
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

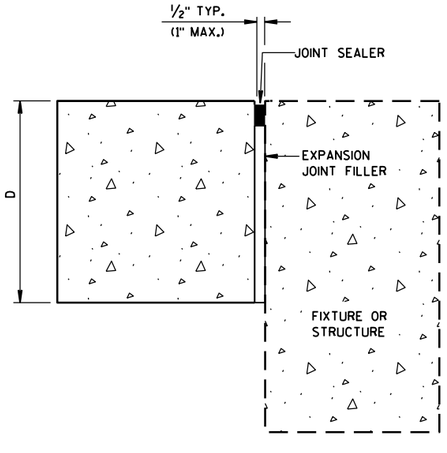
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

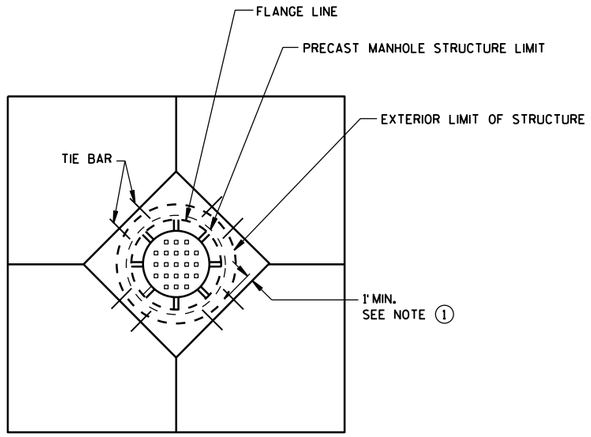
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

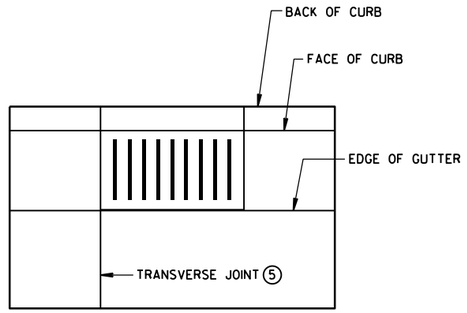
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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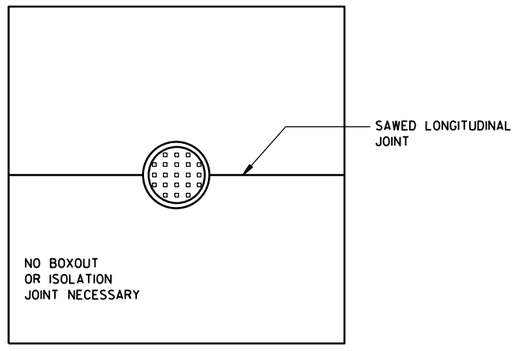
S.D.D. 13 C 18-4c



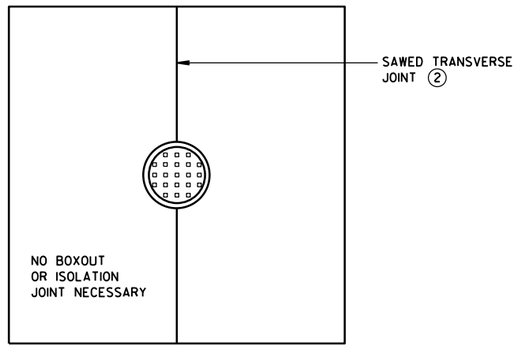
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



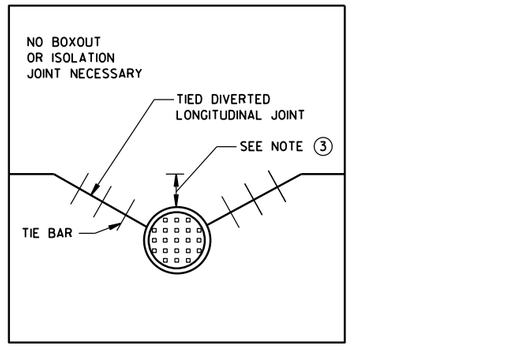
INLET WITH TRANSVERSE JOINT



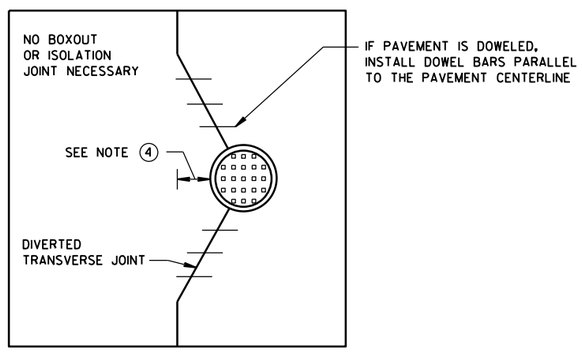
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION 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 LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

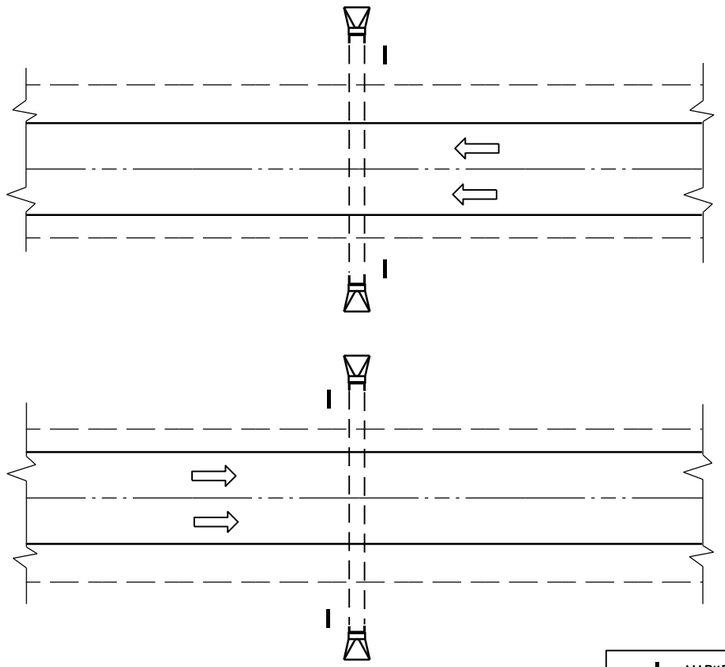
CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

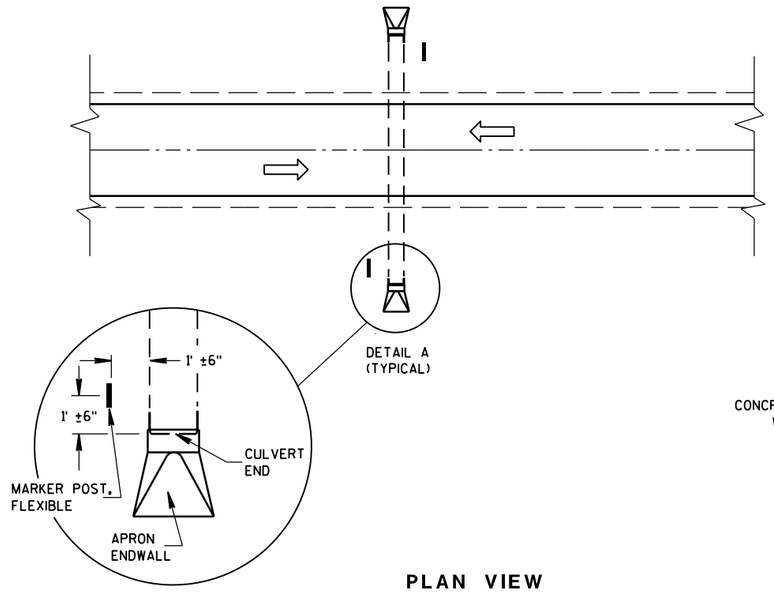
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S.D.D. 13 C 18-4d



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

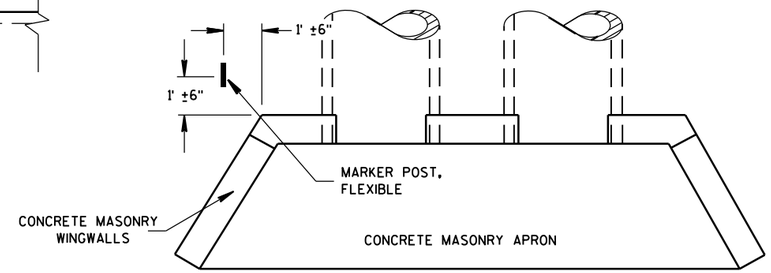
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

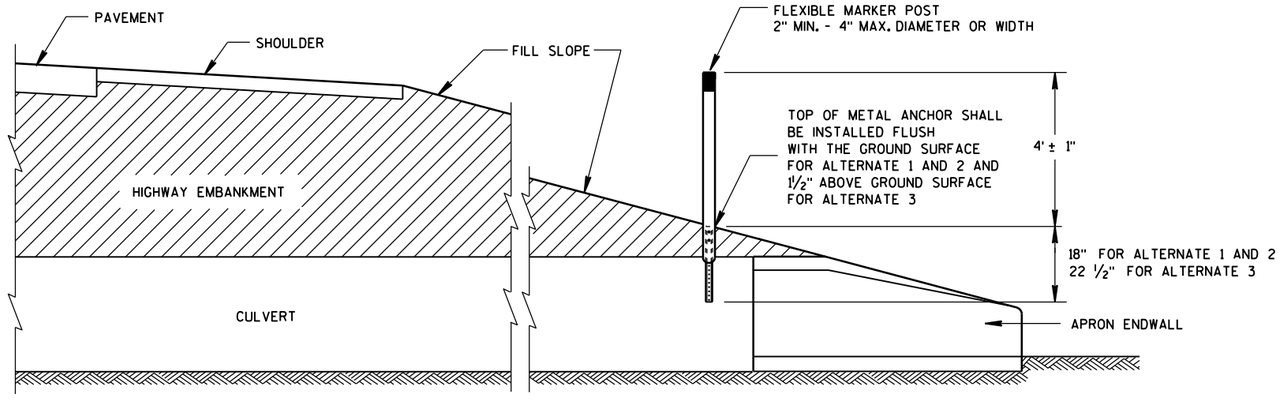
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

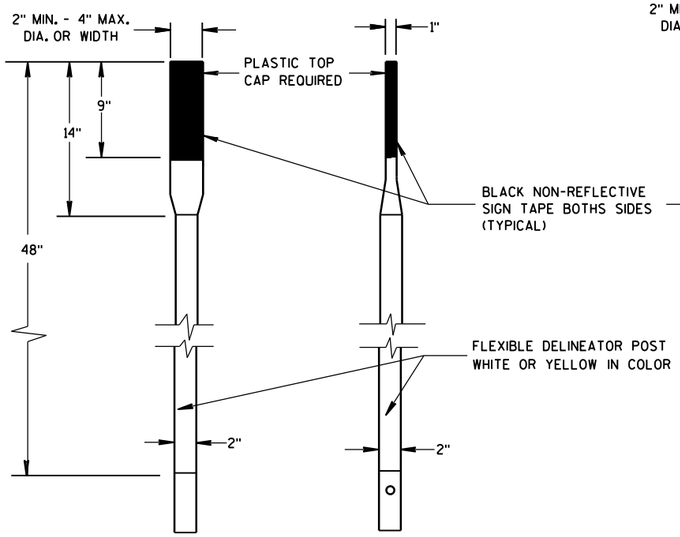
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

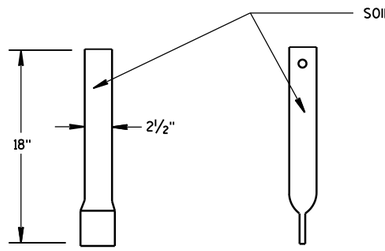
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S.D.D. 15 A 3-2a

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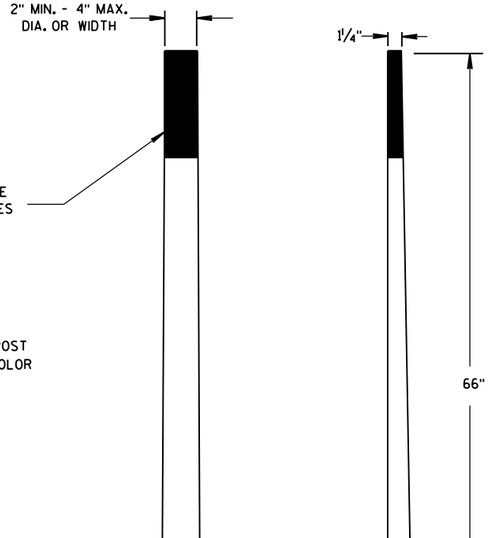
S.D.D. 15 A 3-2a





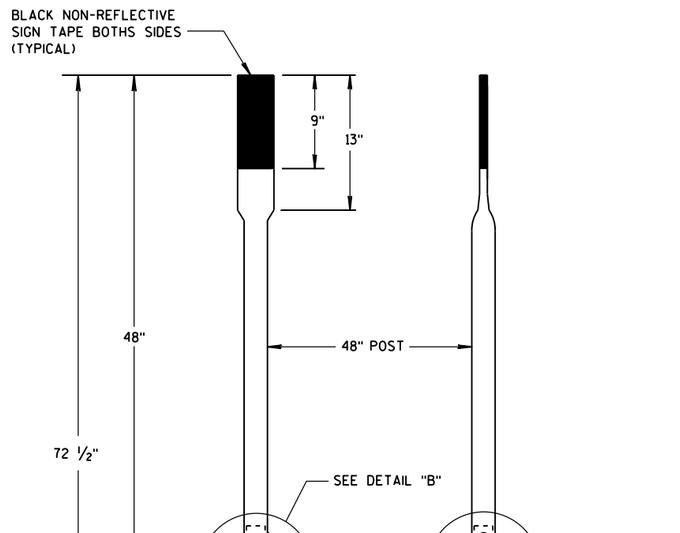
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

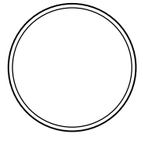
ALTERNATE 2



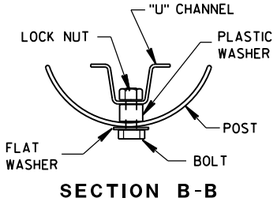
FRONT VIEW SIDE VIEW

ALTERNATE 3

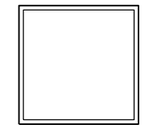
FLEXIBLE MARKER POSTS



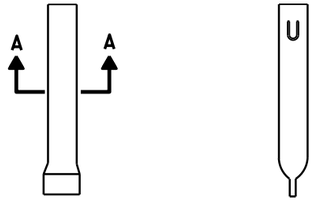
SECTION A-A



SECTION B-B

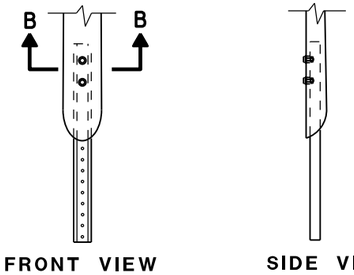


SECTION C-C



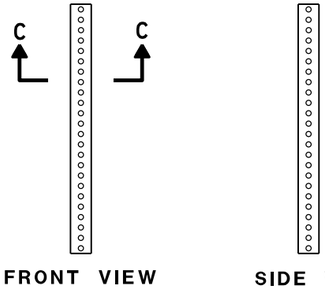
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

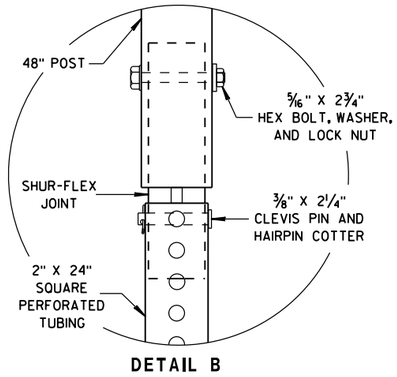
ALTERNATE 2



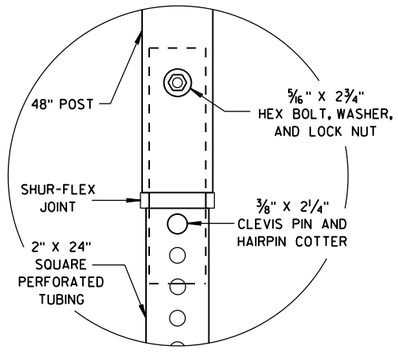
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

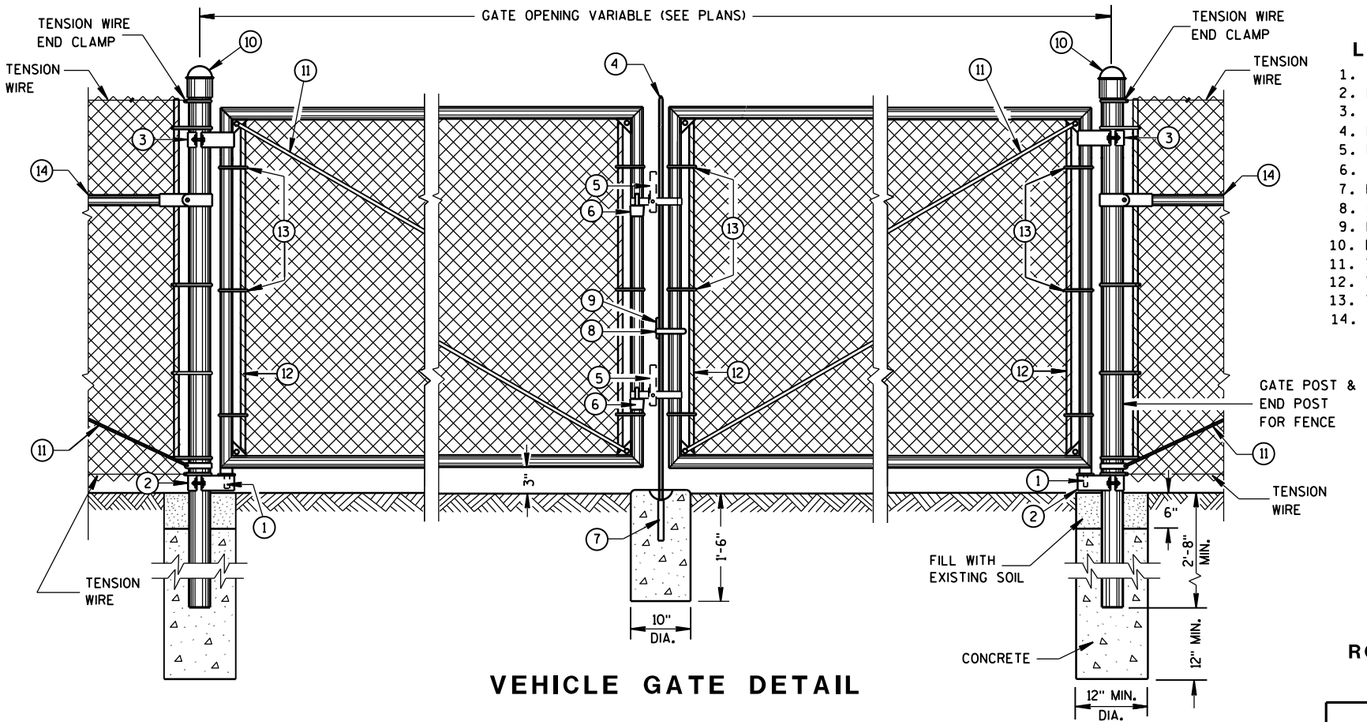
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

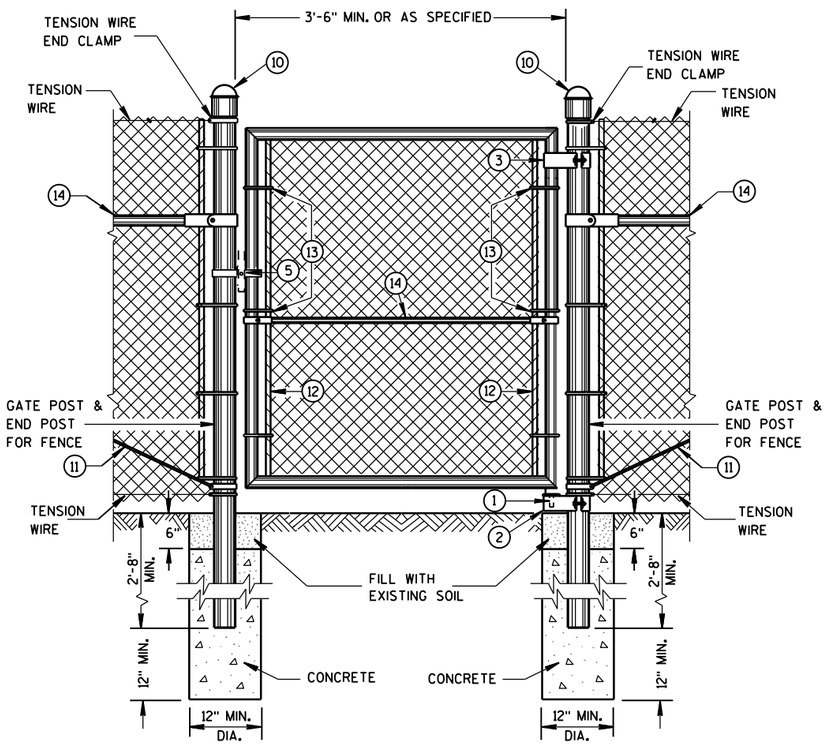
S.D.D. 15 A 3-2b

6

S.D.D. 15 A 3-2b



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

LEGEND

1. STRAIGHT PLUG
2. BOTTOM HINGE
3. TOP HINGE
4. PLUNGER ROD
5. FULCRUM LATCH
6. FORK CATCH *
7. PLUNGER ROD CATCH
8. LOCK KEEPER GUIDE
9. LOCK KEEPER
10. DOME TOPS
11. TRUSS RODS
12. TENSION BAR
13. TENSION BANDS
14. BRACE RAIL

*NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

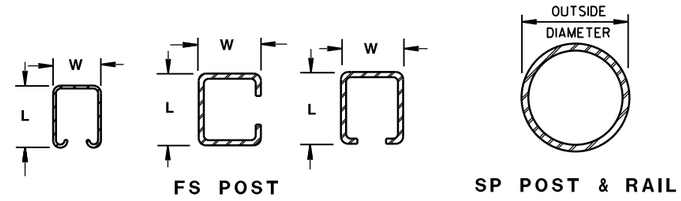
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



FS POST

SP POST & RAIL

CROSS SECTIONS OF POSTS AND RAILS

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2†
	GREATER THAN OR EQUAL TO 8 FT.	FS3

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

ROLLED-FORMED STEEL FENCE POST (2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2†	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

ROUND STEEL FENCE POST (1.8 OZ./SQ. FT. COATING)

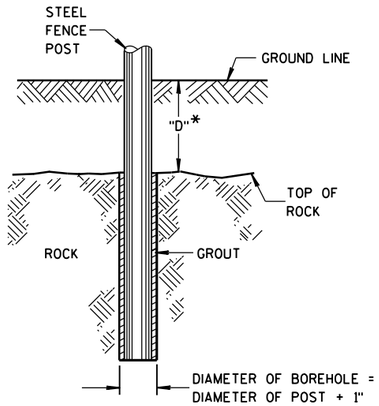
POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

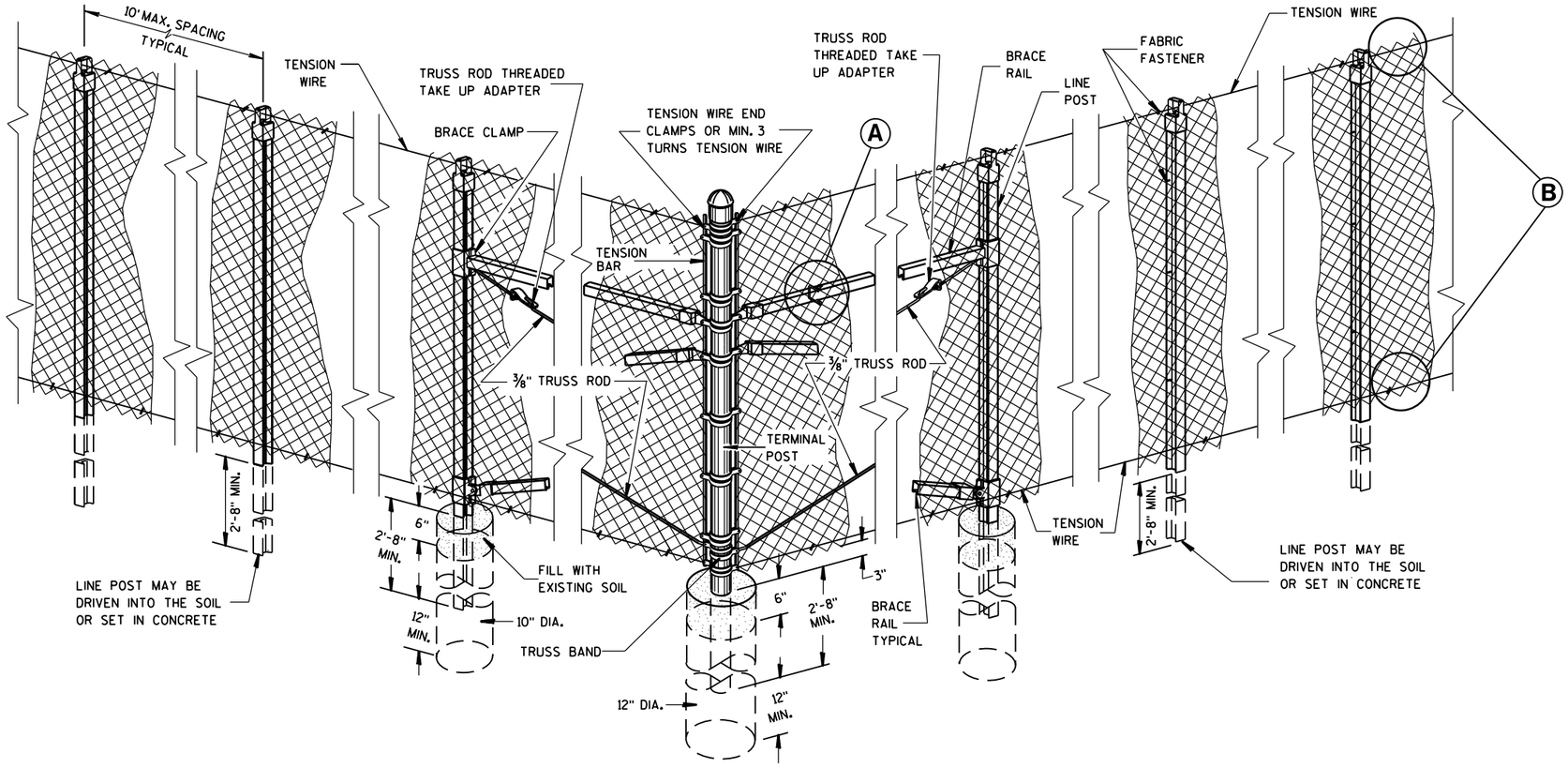
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S.D.D. 15 B 3-15a

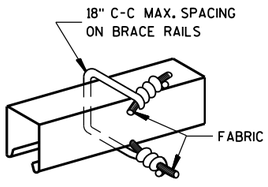


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



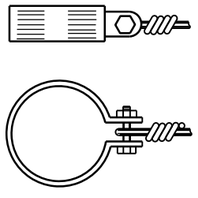
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



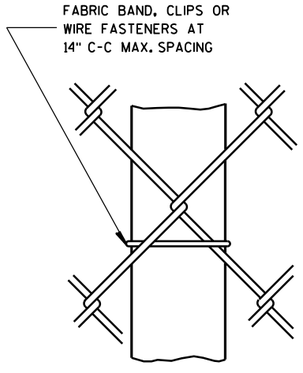
BRACE RAIL

FABRIC FASTENER

Ⓐ



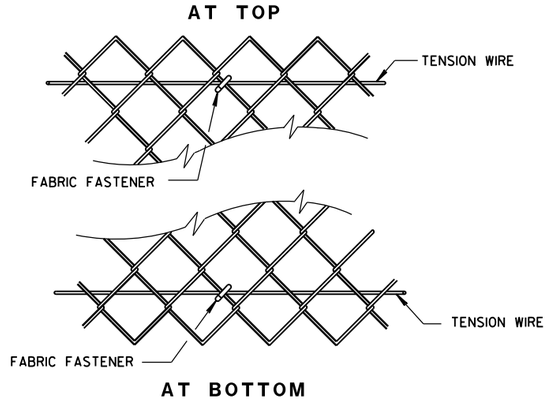
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

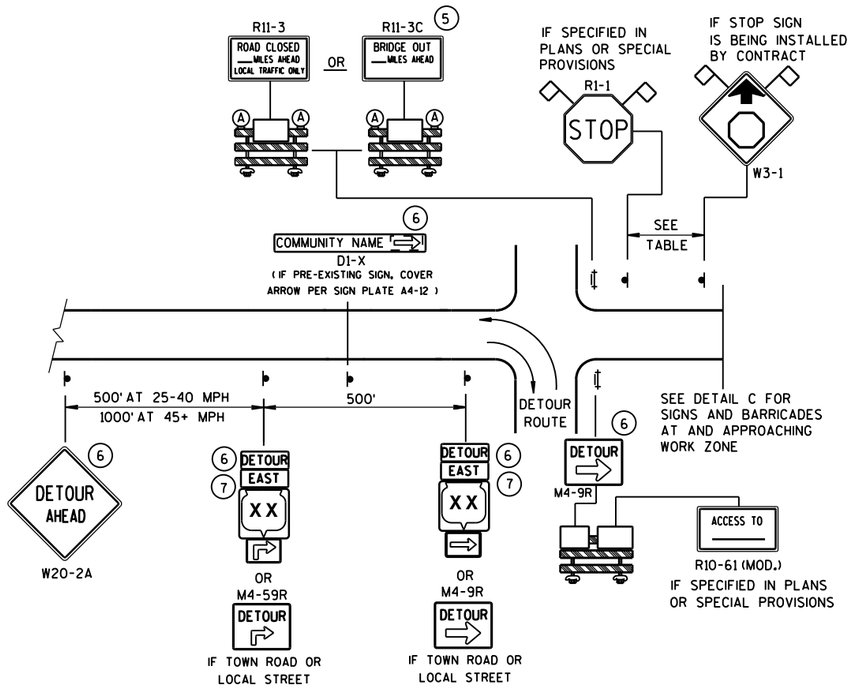
APPROVED
FEB. 2015 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 15 B 3-15b

6

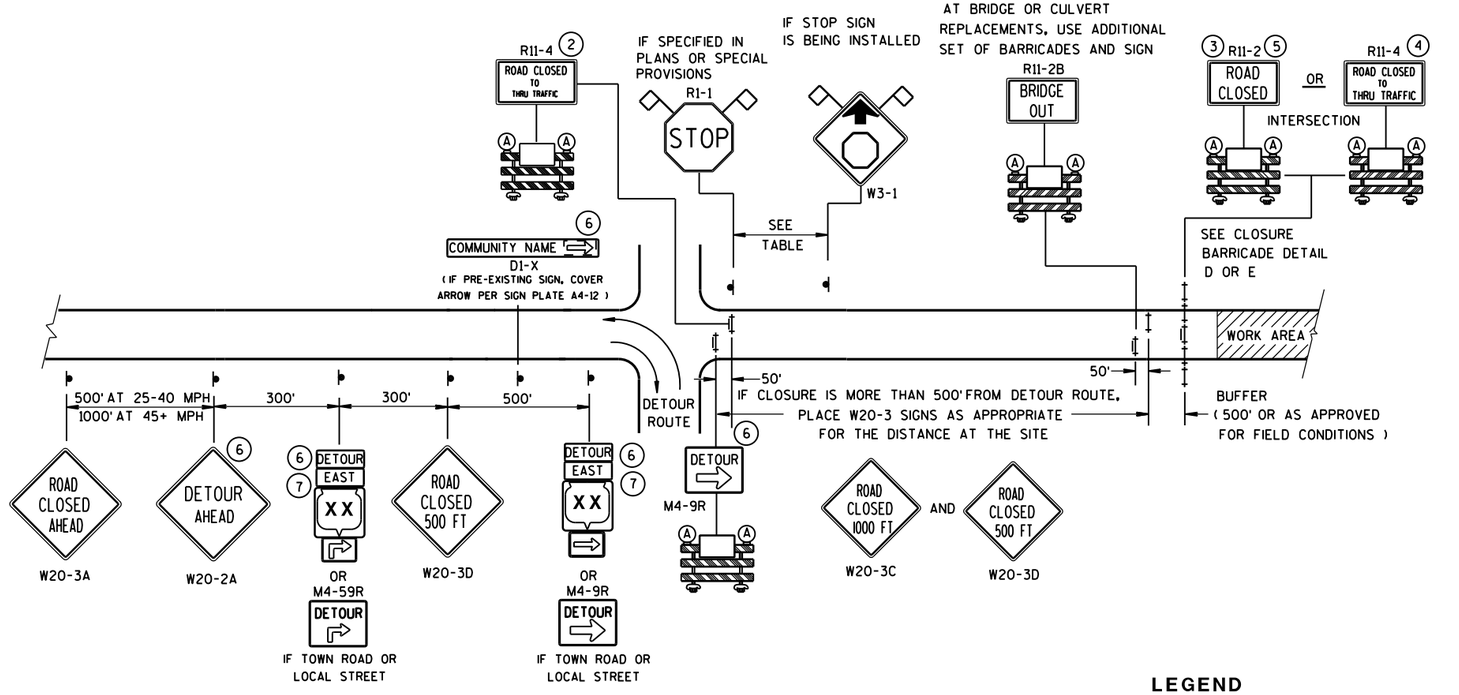
S.D.D. 15 B 3-15b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

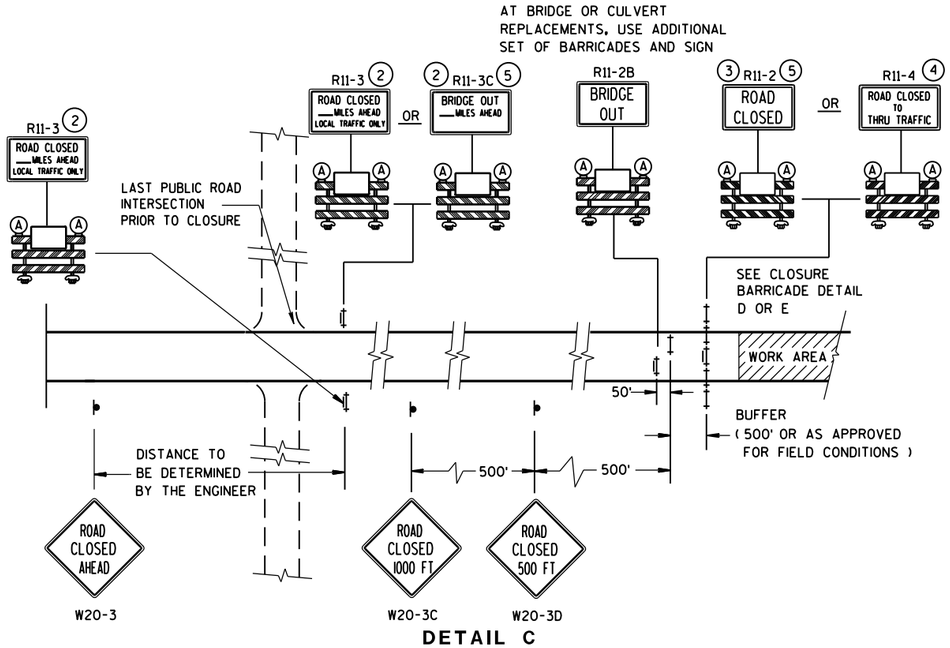
WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

SEE SDD 15C2-SHEET "**b**" FOR GENERAL NOTES AND FOOTNOTES (1) THROUGH (7)

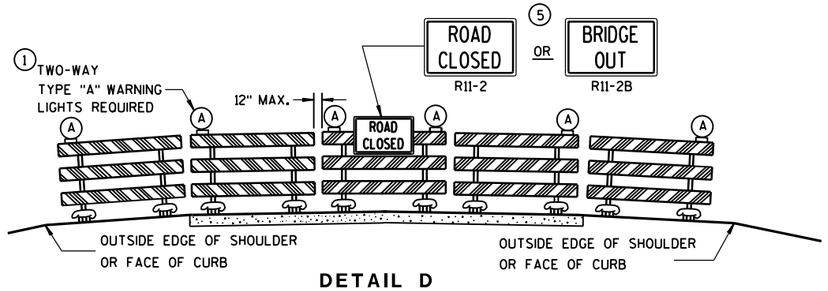
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

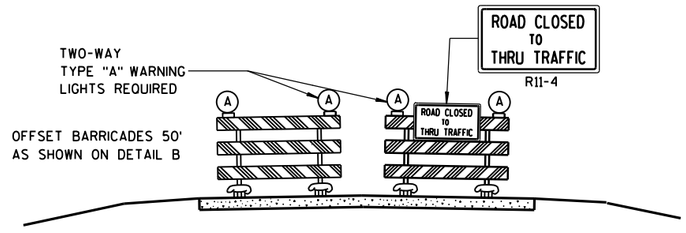
S.D.D. 15 C 2-6a



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 BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 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 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 LANE 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 MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI FIC
FHWA

6

S.D.D. 15 C 2-6b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

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.

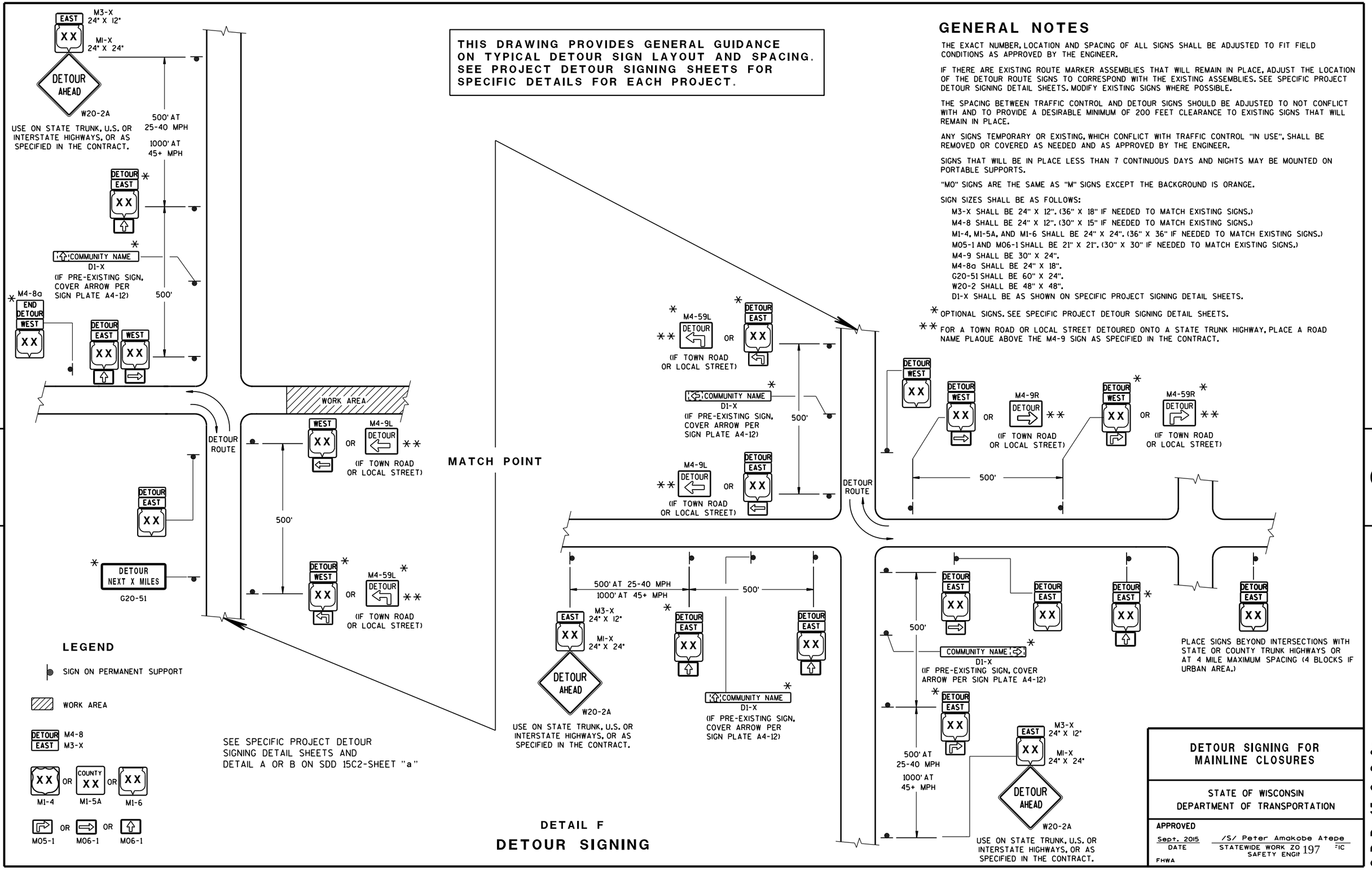
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 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.



LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8, M3-X
- XX OR COUNTY XX OR XX — M1-4, M1-5A, M1-6
- MO5-1 OR MO6-1 OR MO6-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

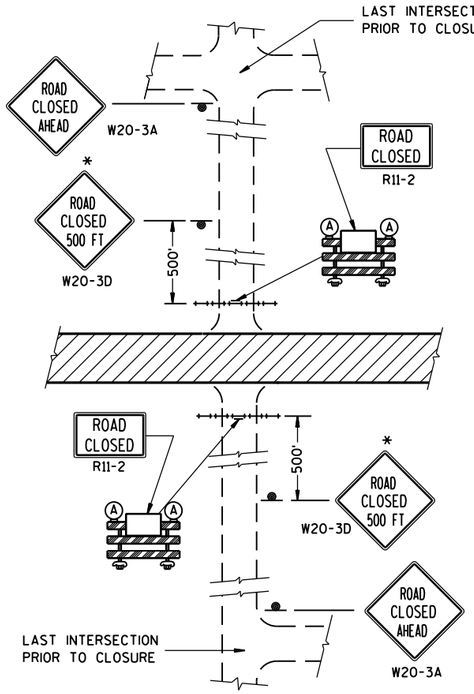
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO... SAFETY ENGI... FIC

FHWA

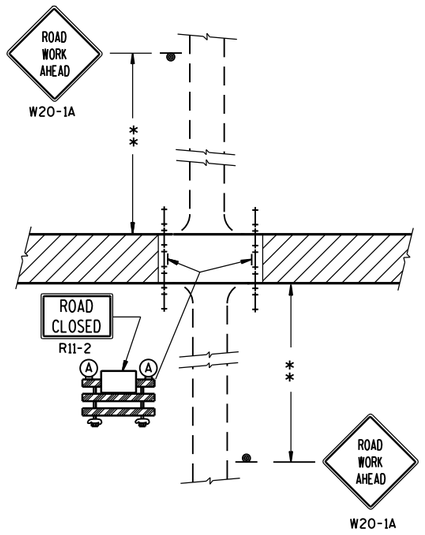
S.D.D. 15 C 2-6c

6



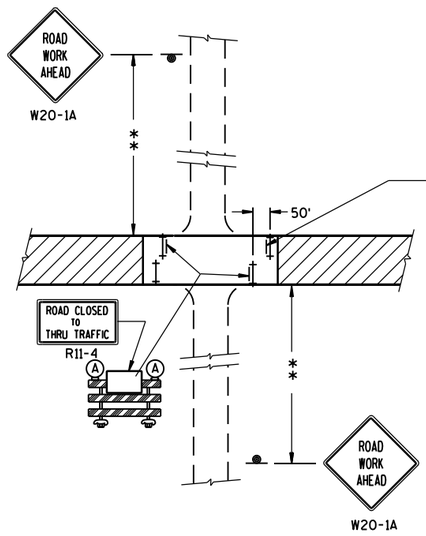
DETAIL 1

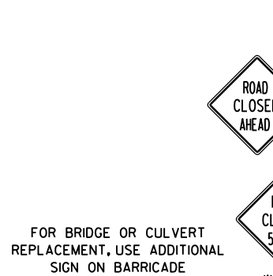
(NO ACCESS TO PROJECT)



DETAIL 2

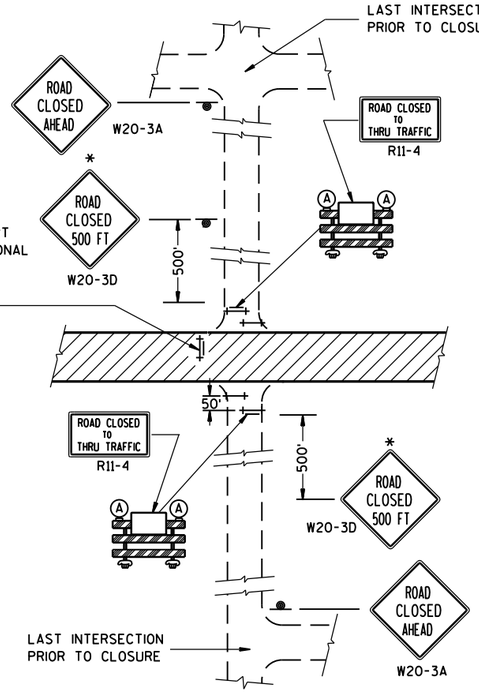
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).





DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



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 TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

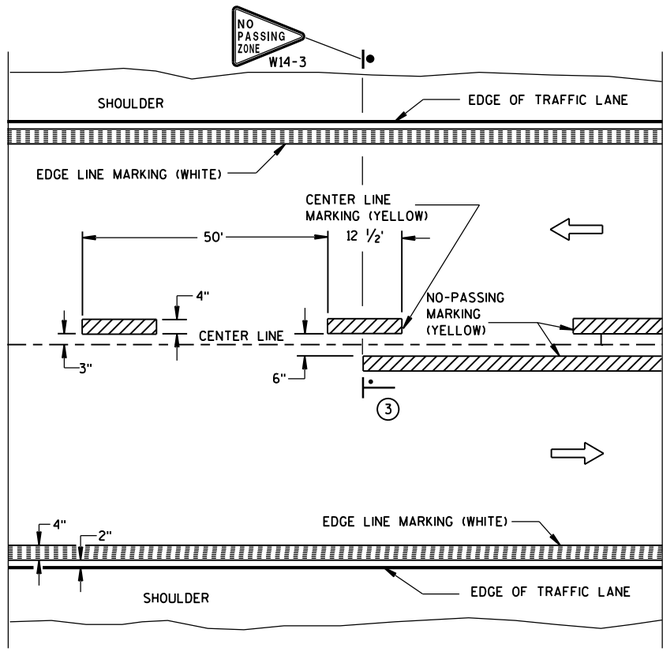
APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible]FIC SAFETY ENGI[illegible]
FHWA

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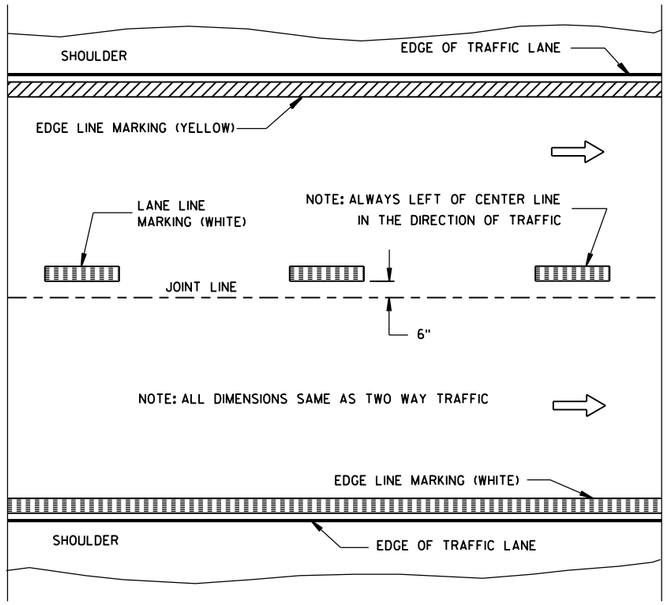
S.D.D. 15 C 3-3

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S.D.D. 15 C 3-3

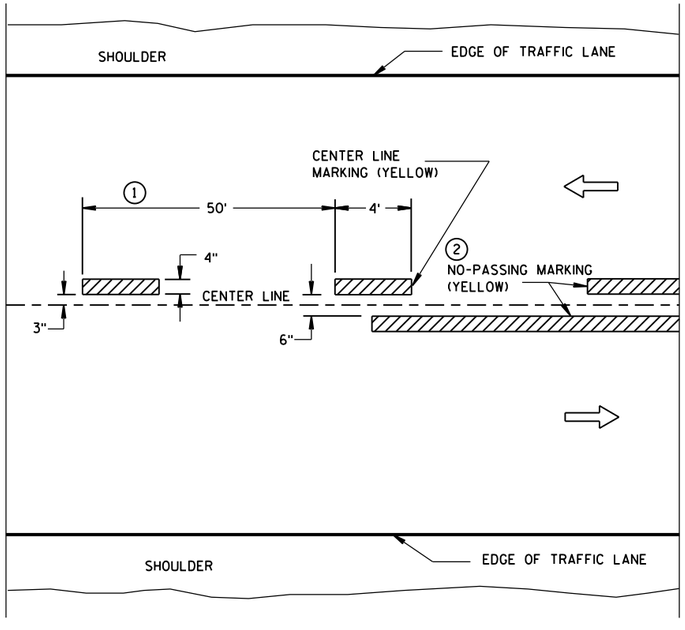


TWO WAY TRAFFIC

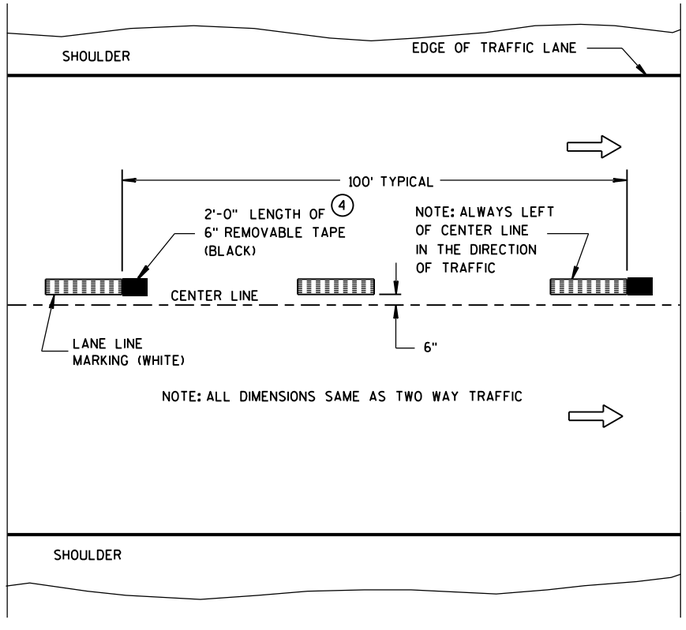


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

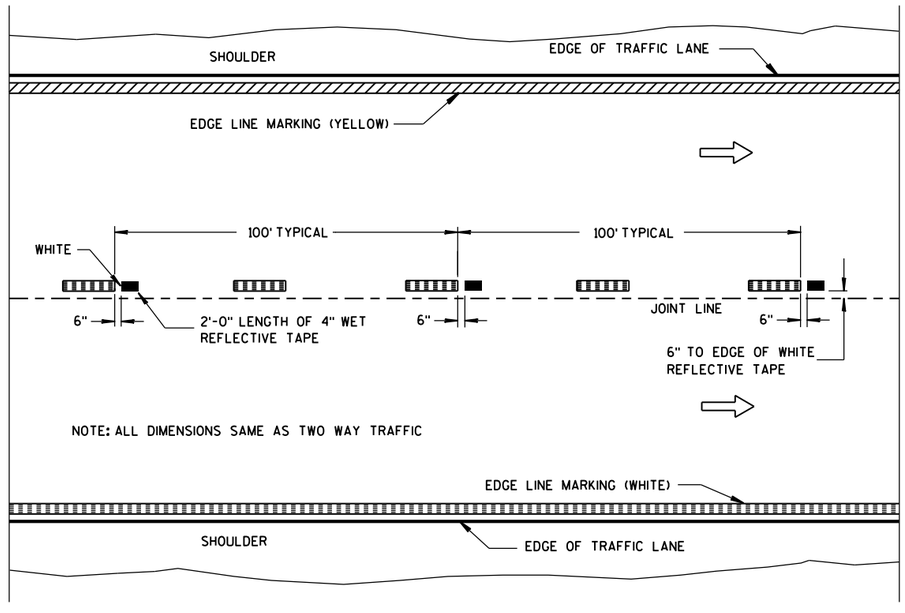
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-2013 — DATE

/S/ Travis Feltes — STATE TRAFFIC E

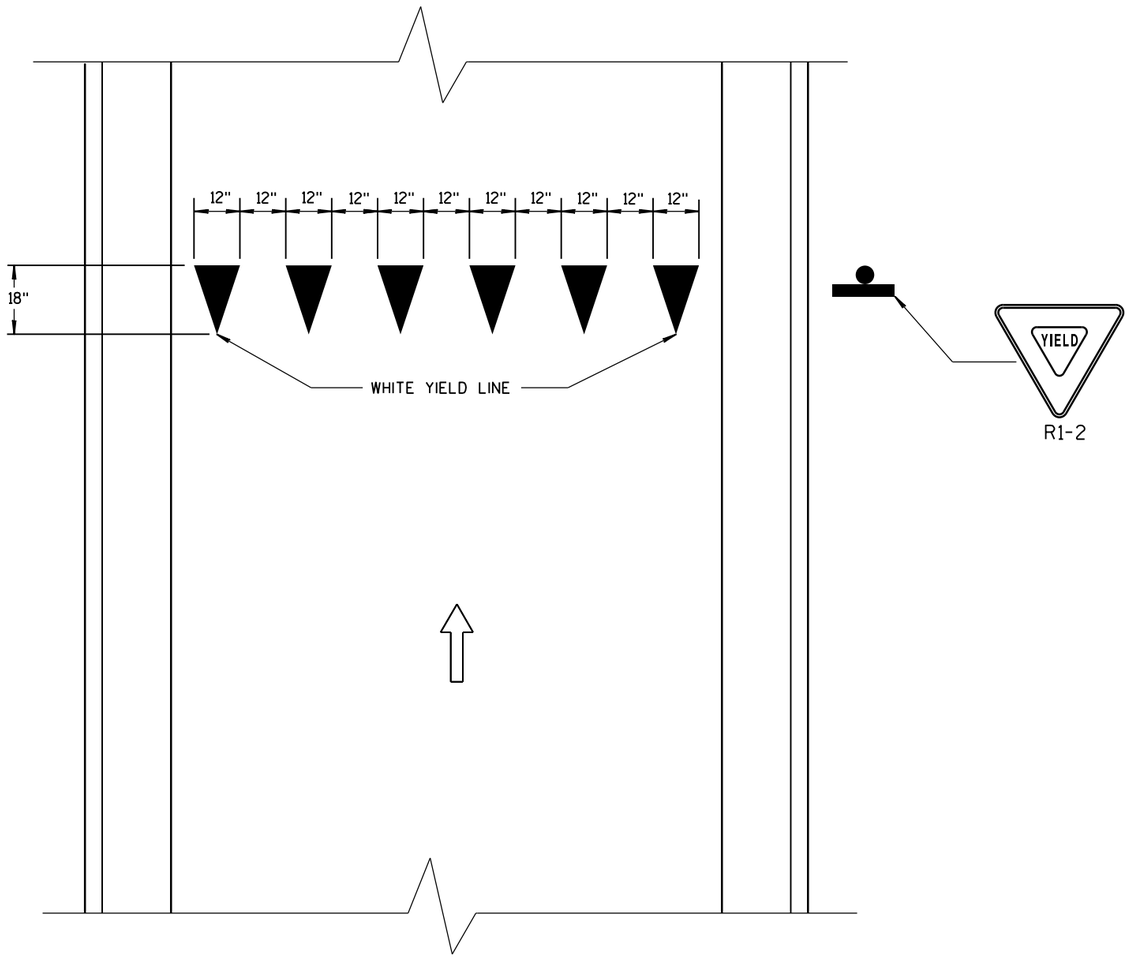
FHWA

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S.D.D. 15 C 8-16a

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S.D.D. 15 C 8-16a



R1-2

DIRECTION OF TRAVEL

YIELD LINE

6

6

S.D.D. 15 C 20-2

S.D.D. 15 C 20-2

YIELD MARKINGS

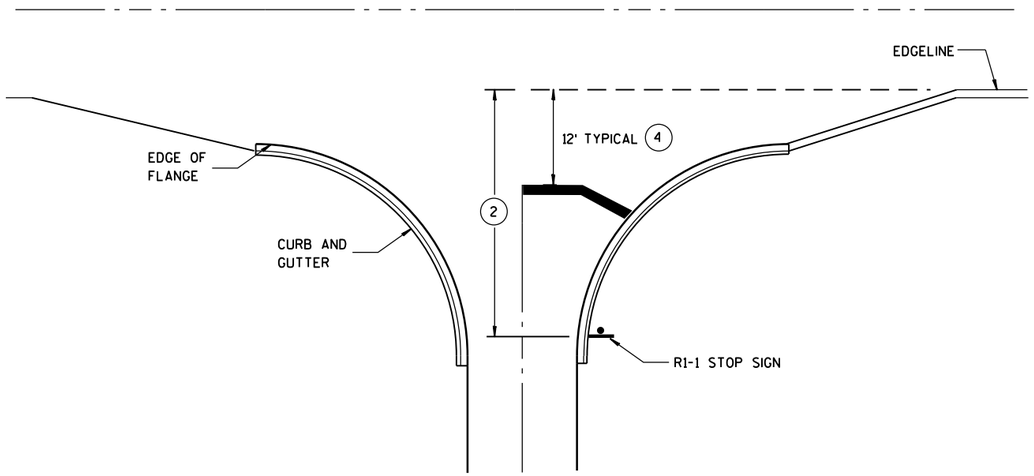
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

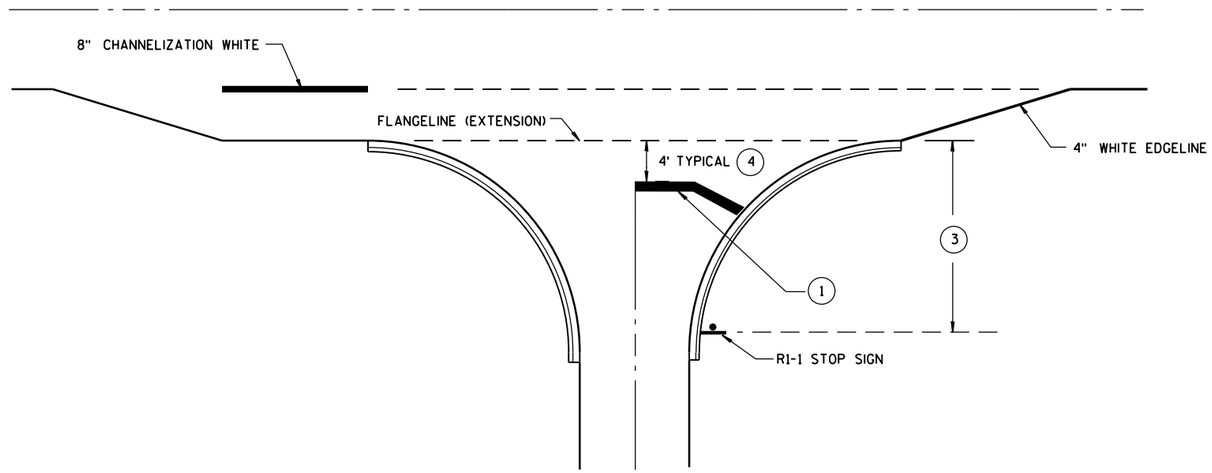
4-18-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MARK 200 ENGINEER

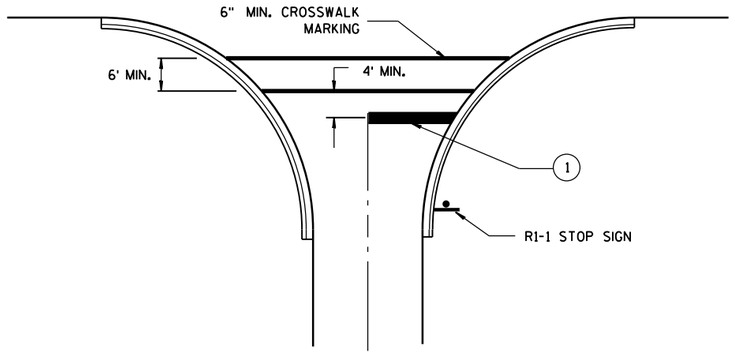
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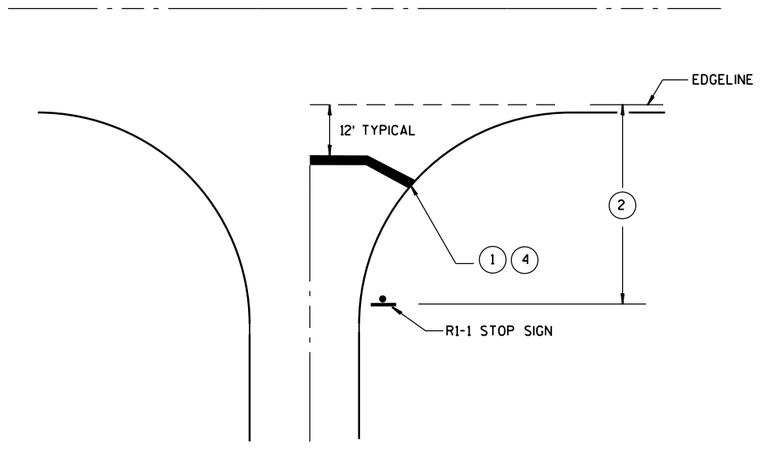
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

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

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-2016
DATE

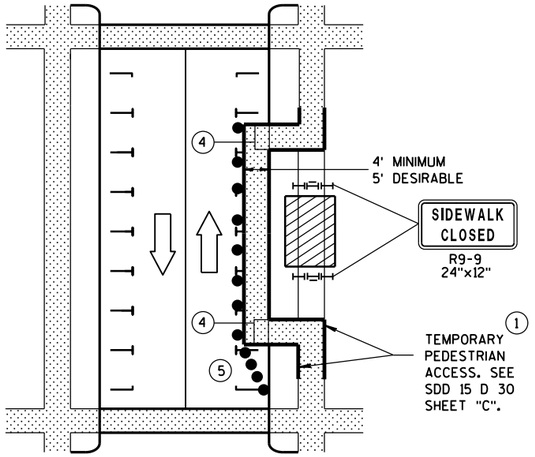
/S/ Matthew R. Rauch
STATE SIGNING AND MAR 201 NEER

FHWA

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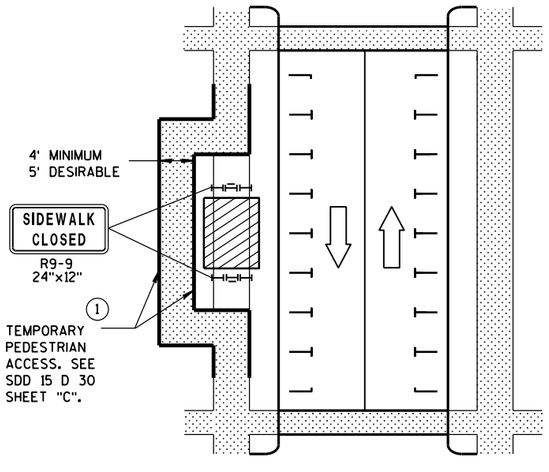
S.D.D. 15 C 33-2

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

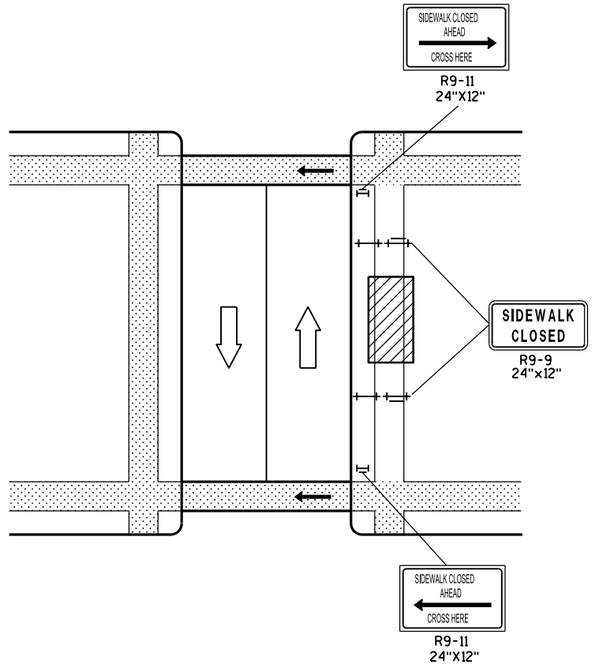


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

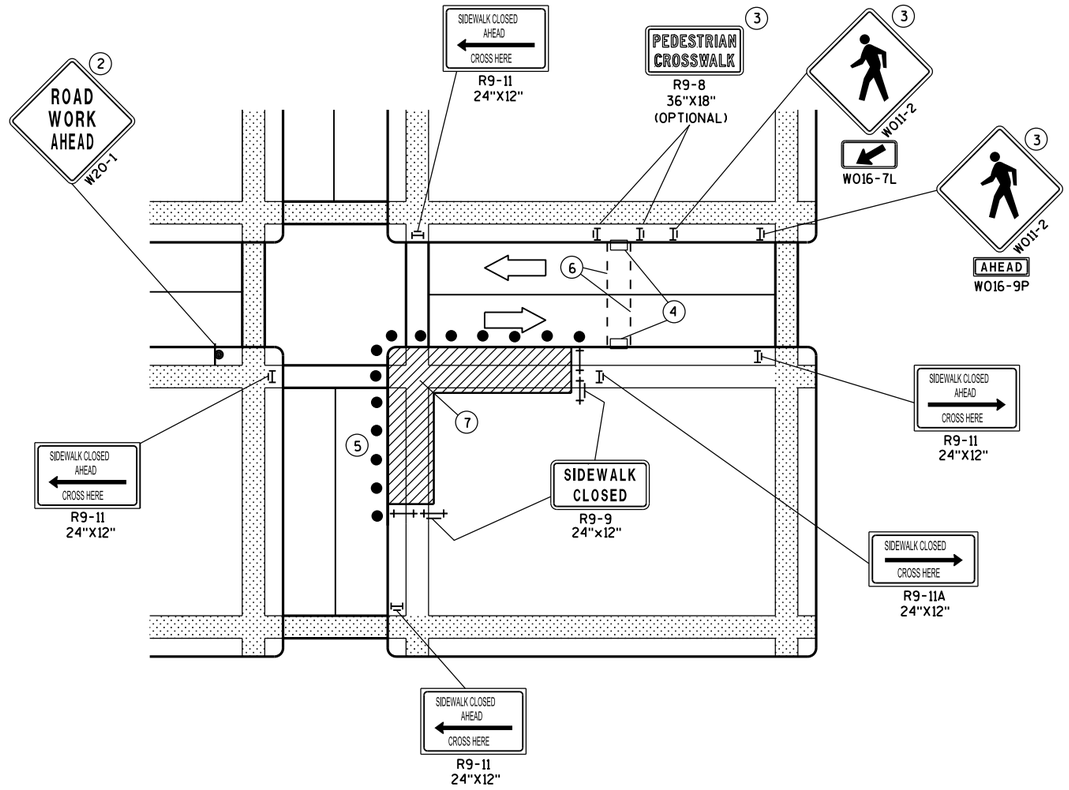
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

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

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

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

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

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

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

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

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

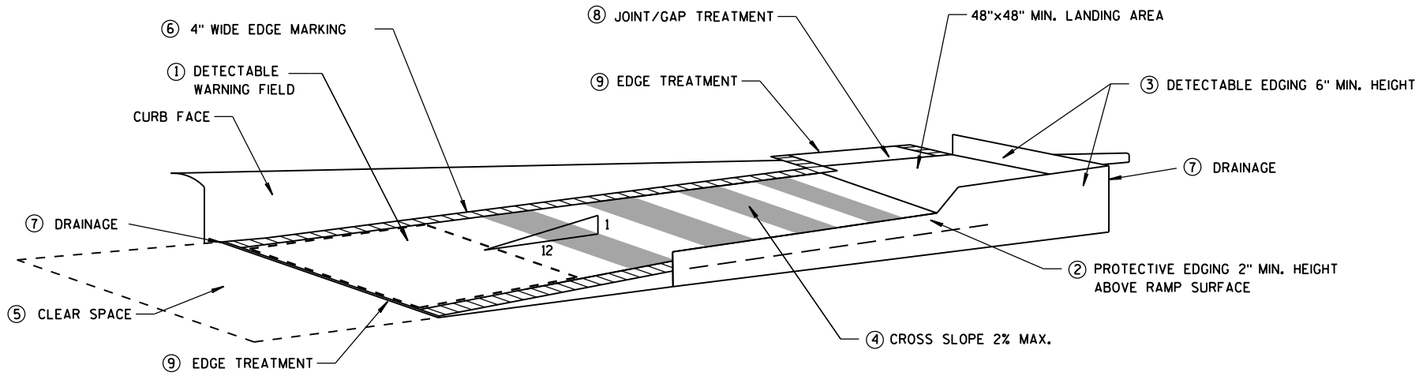
- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 D 30-3a



TEMPORARY CURB RAMP PARALLEL 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 FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

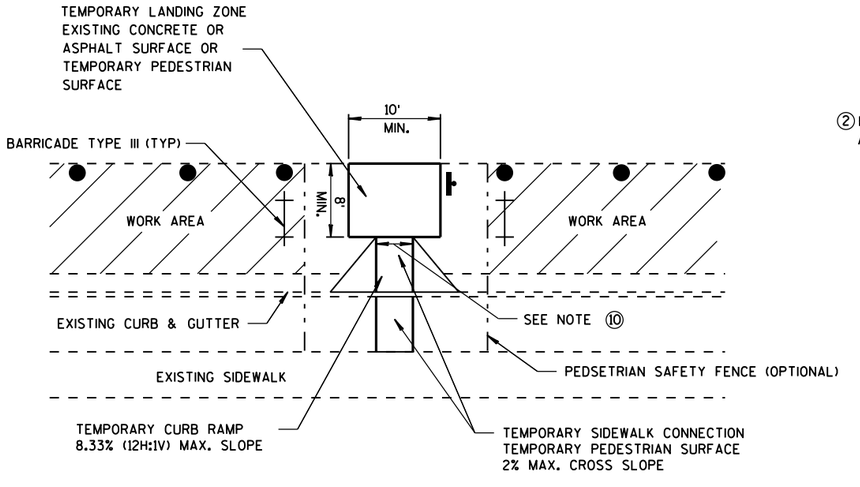
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

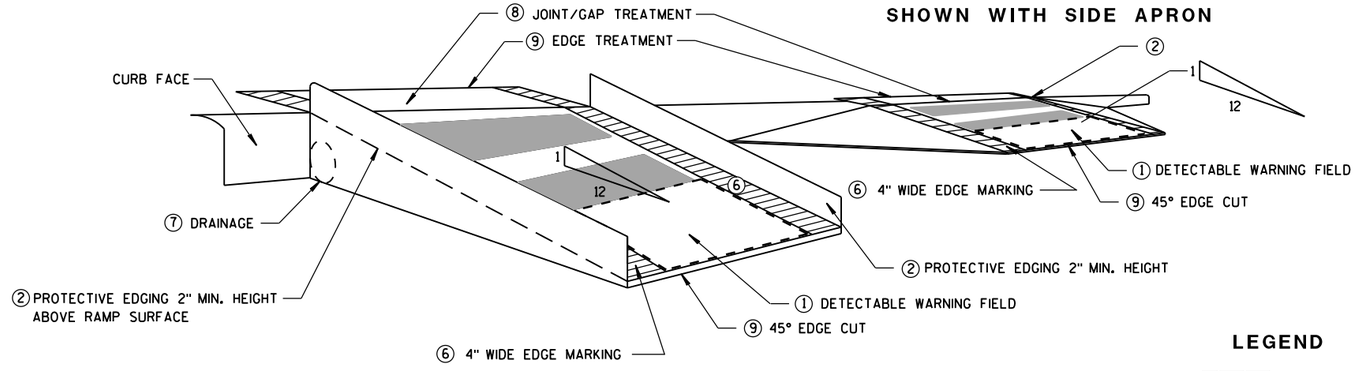
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

SHOWN WITH SIDE APRON

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

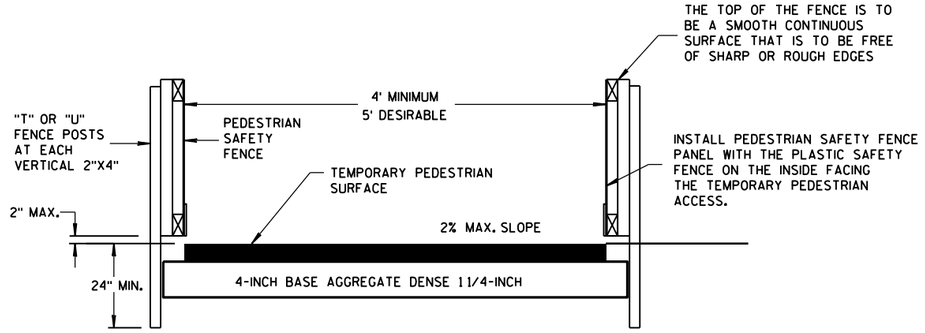
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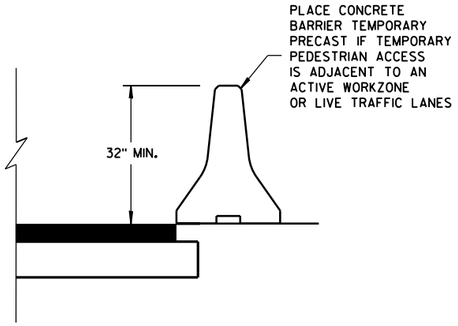
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S.D.D. 15 D 30-3b

6

S.D.D. 15 D 30-3b

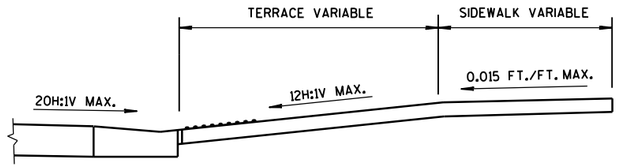




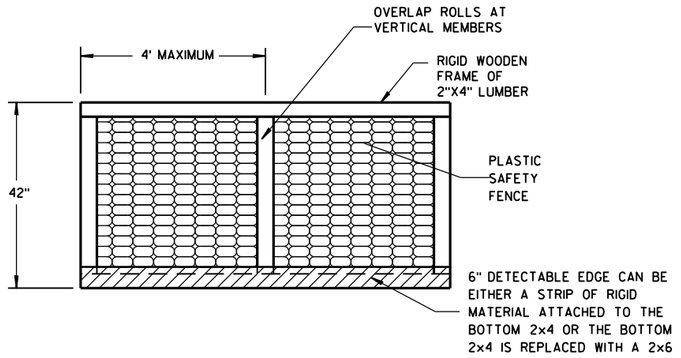
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

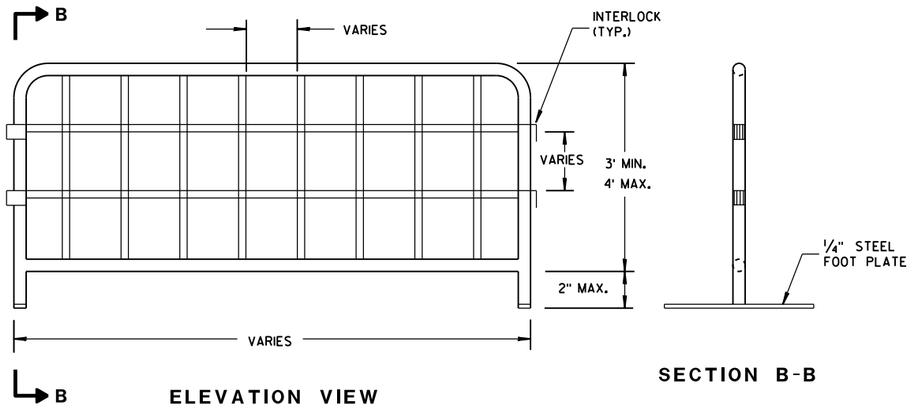
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



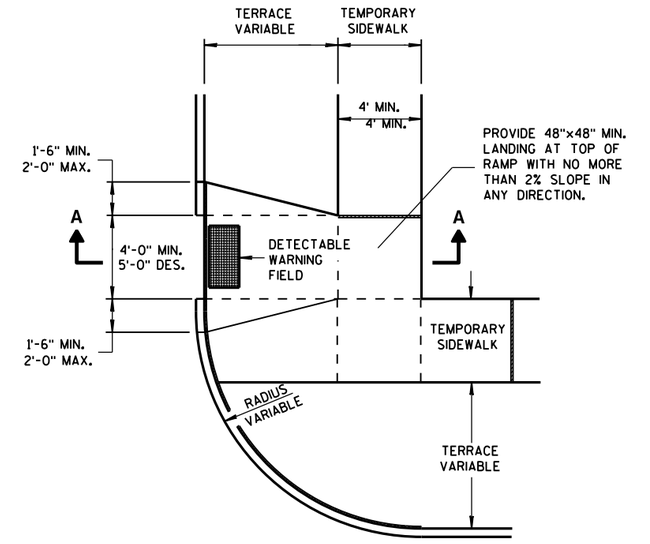
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

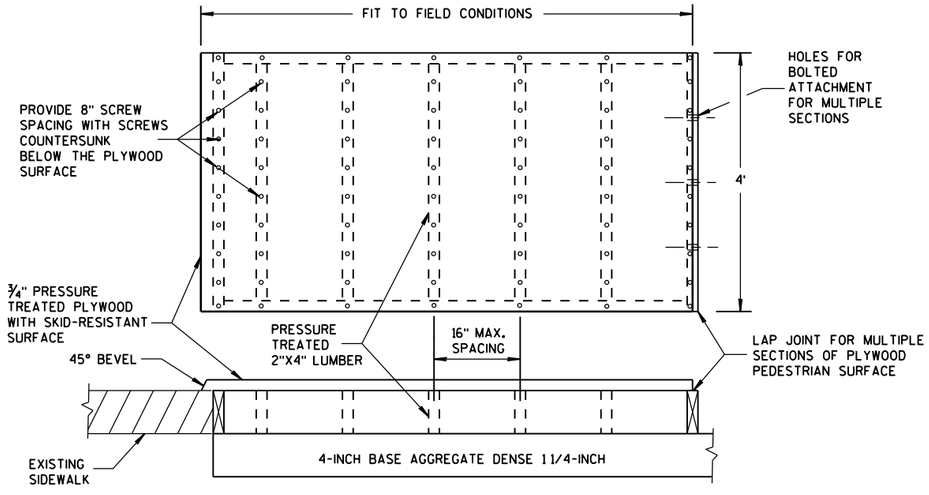
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



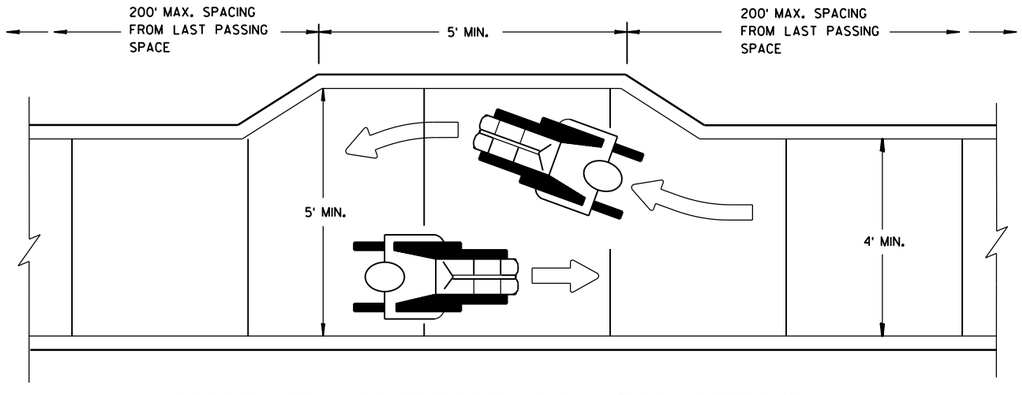
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016
DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON SAFETY ENGIN IC
FHWA

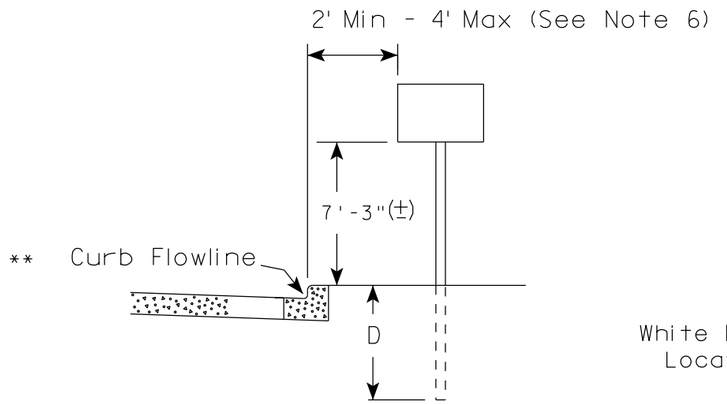
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S.D.D. 15 D 30-3c

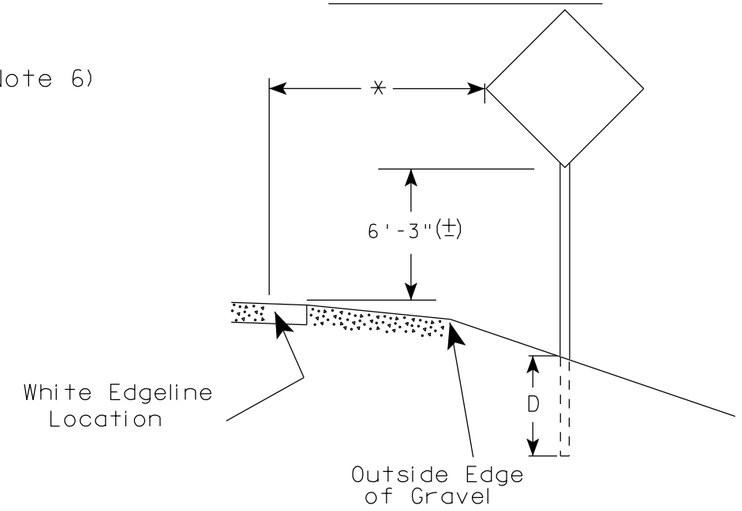
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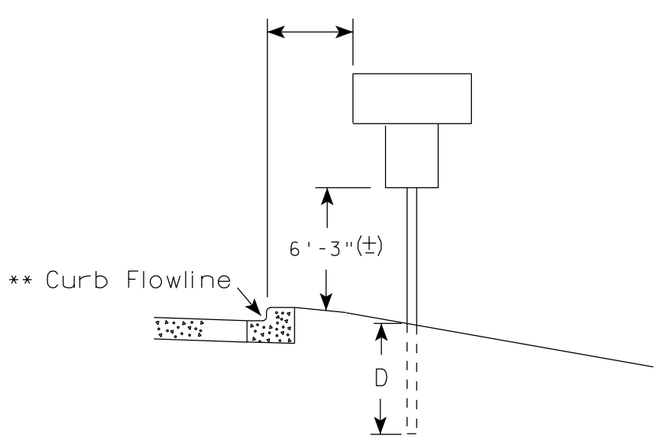
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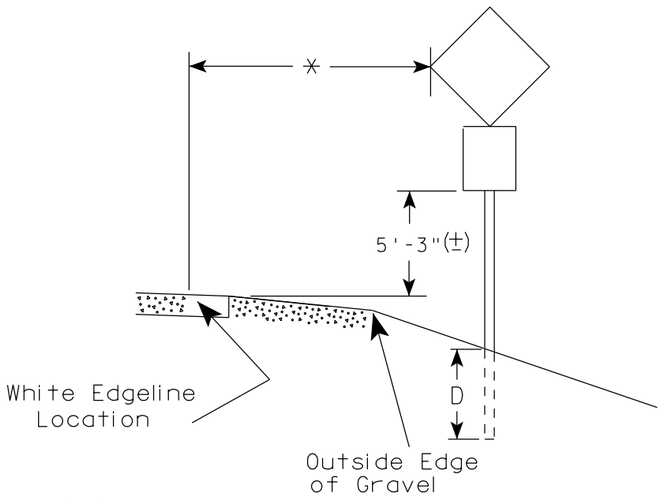
URBAN AREA



RURAL AREA (See Note 2)







GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. 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), 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" (±).

POST EMBEDMENT DEPTH

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

** 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.

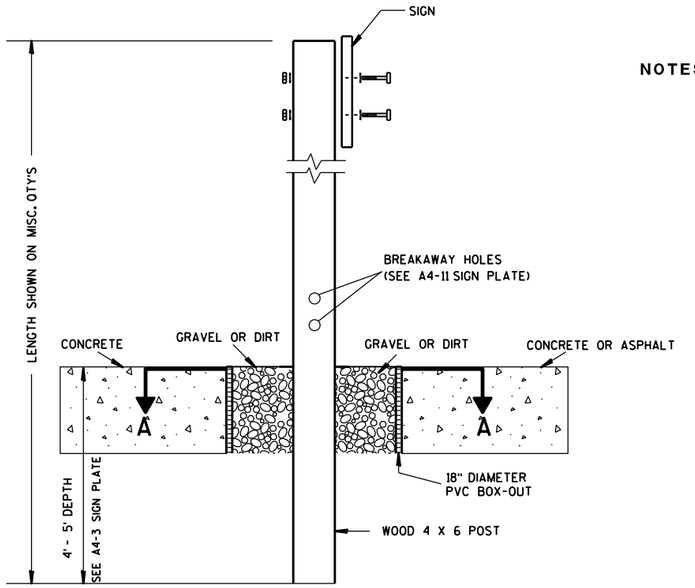
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

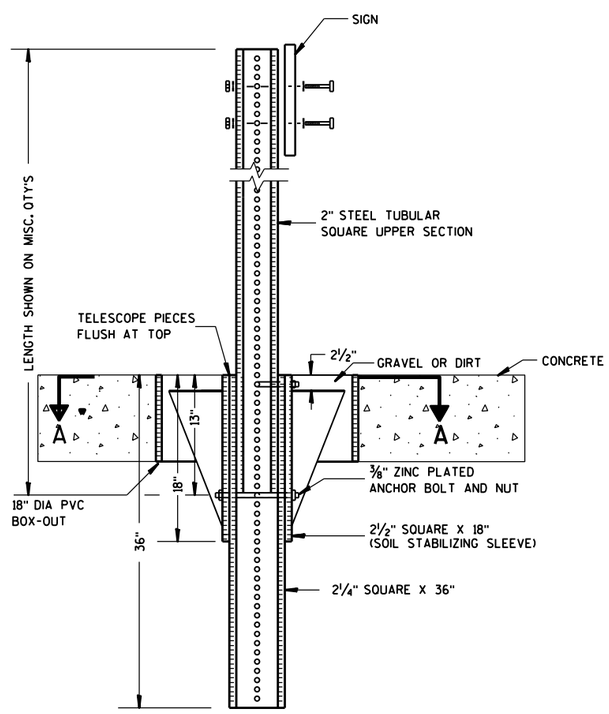
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

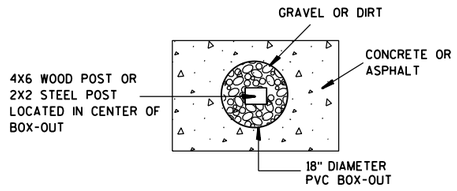
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

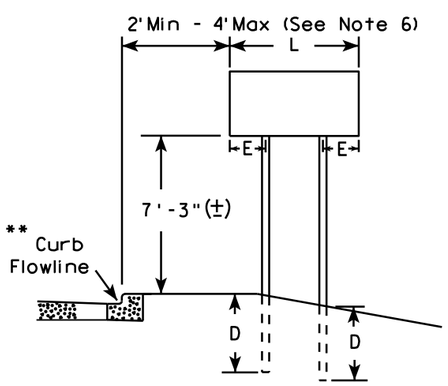
APPROVED Matthew R Rauch
for State Traffic Engineer

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

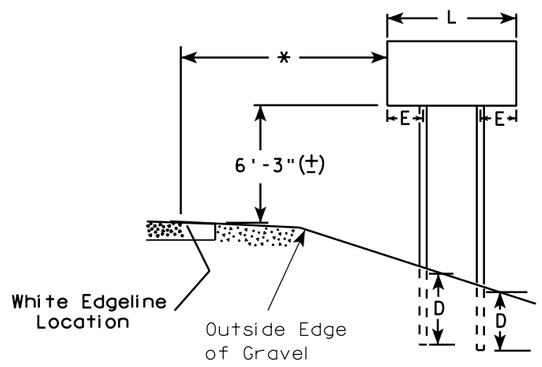
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

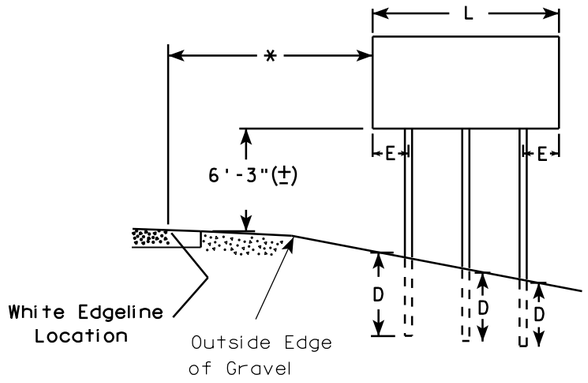
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

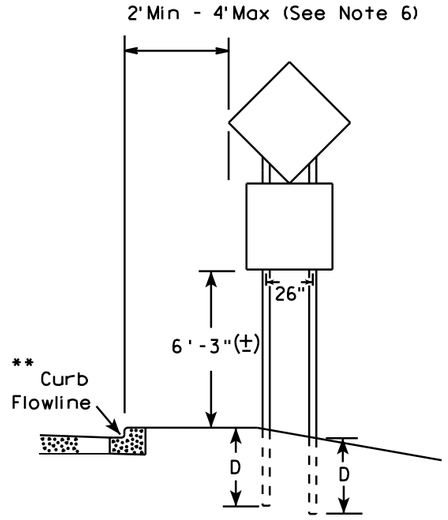
URBAN AREA



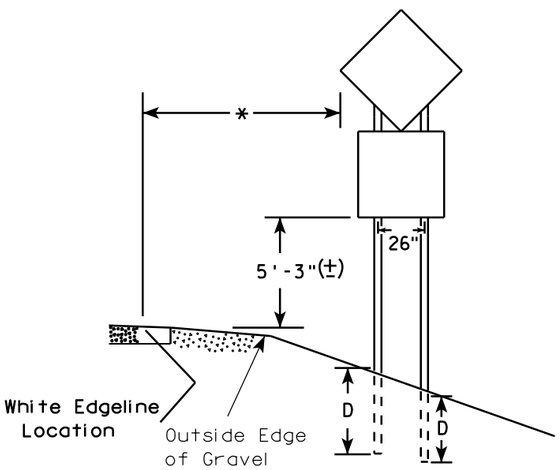
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
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.

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

***

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	12"

POST EMBEDMENT DEPTH

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

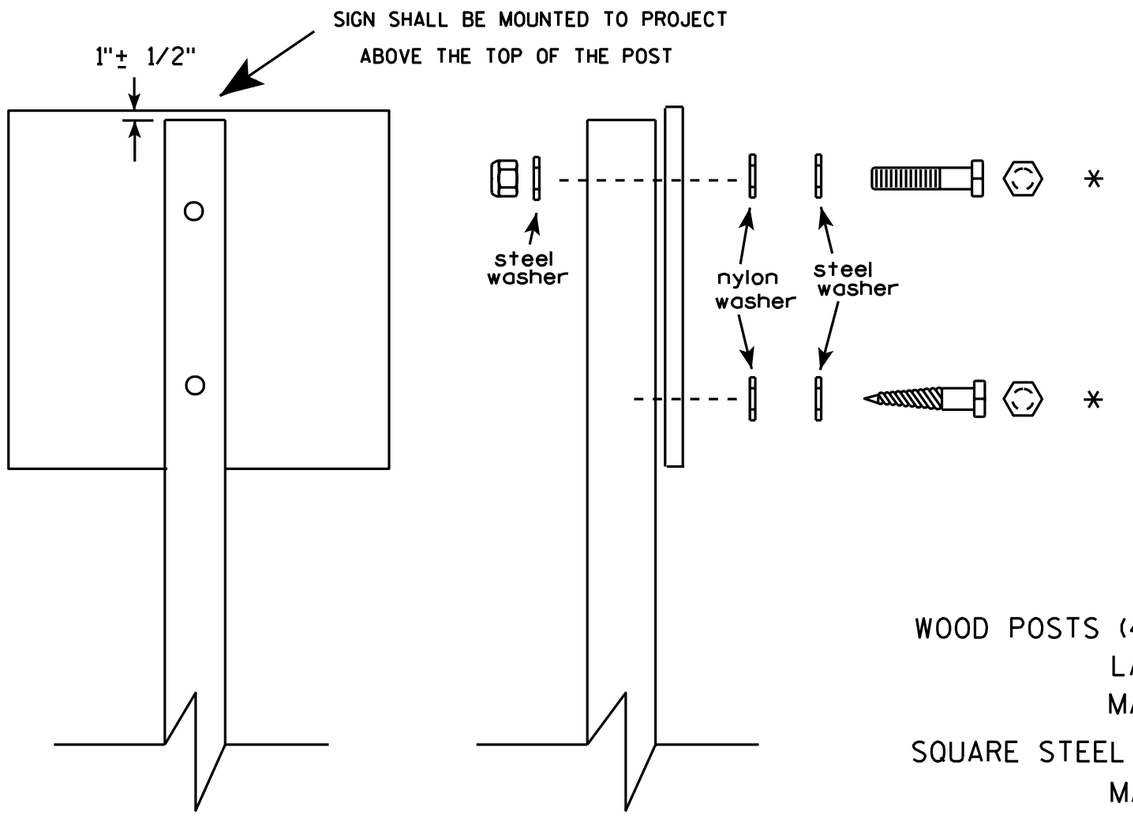
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4 14
207

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	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

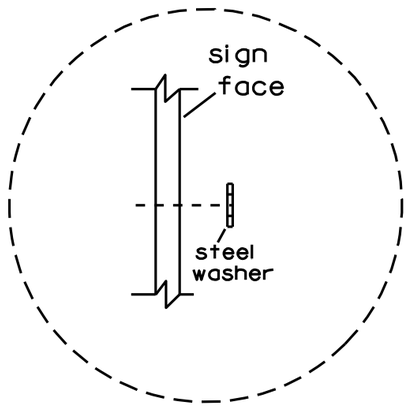
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 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 for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* 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 3/23/10 PLATE NO. A4-8.7

7

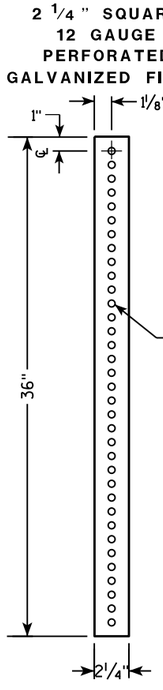
7

PROJECT NO:

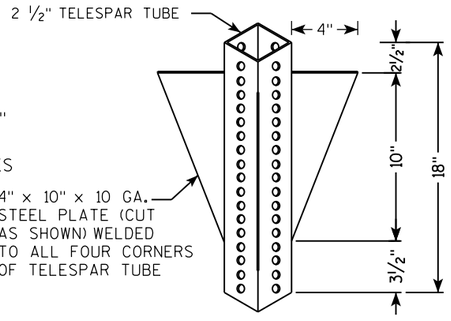
SHEET NO: 208 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

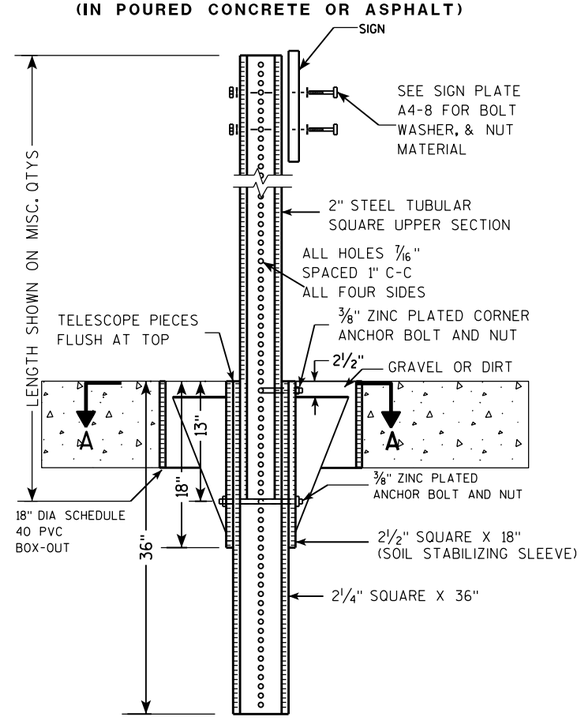
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



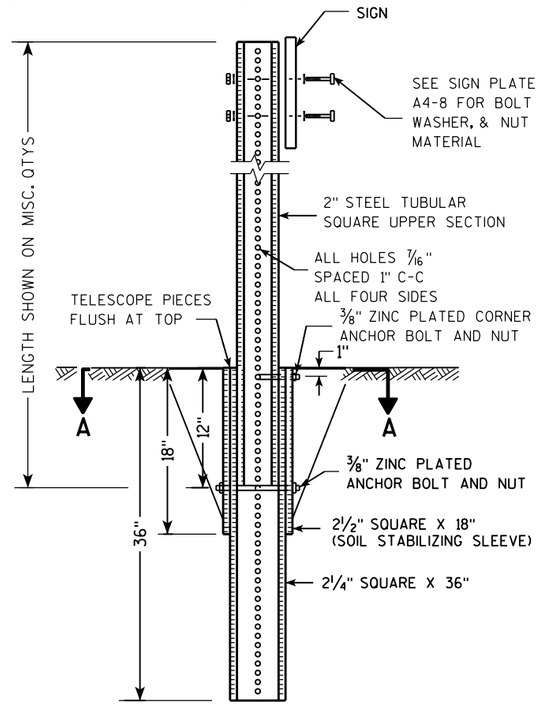
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

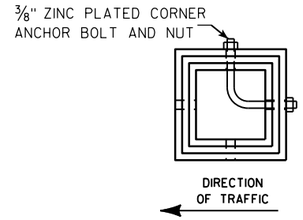


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

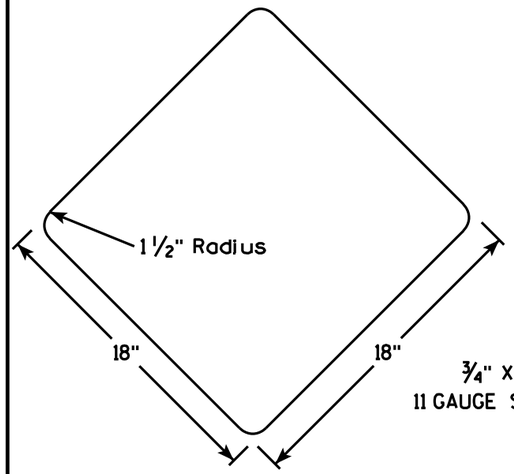
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

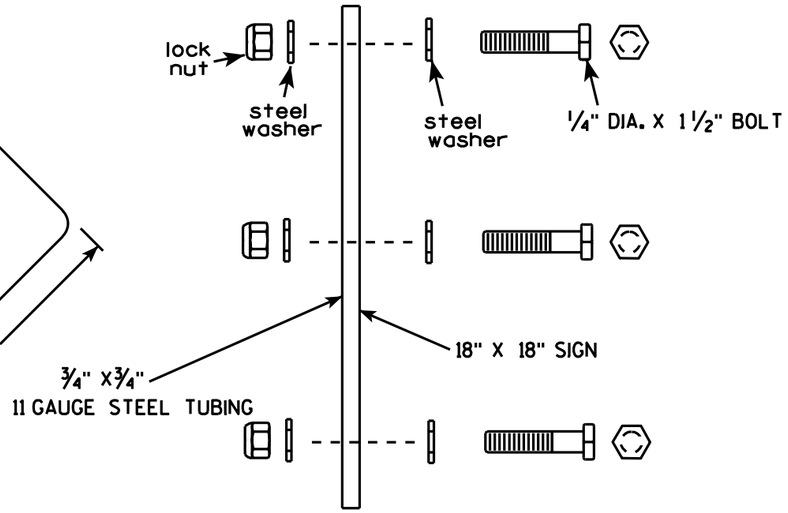
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 209 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



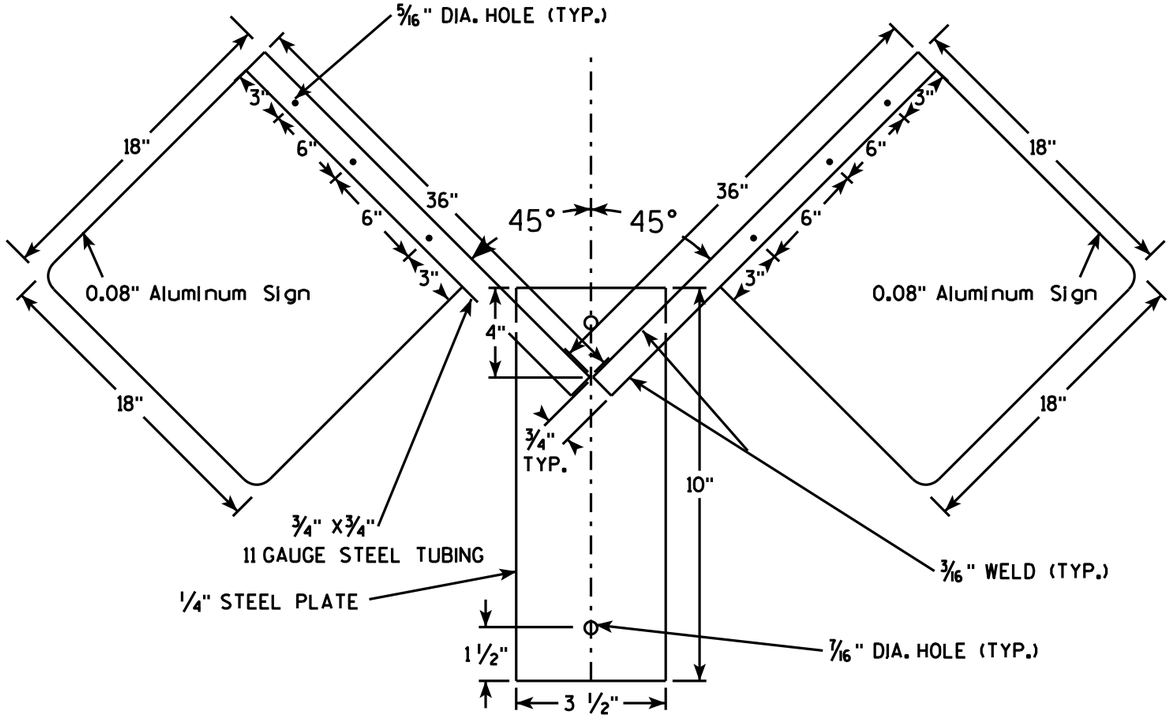
SIGN DETAIL



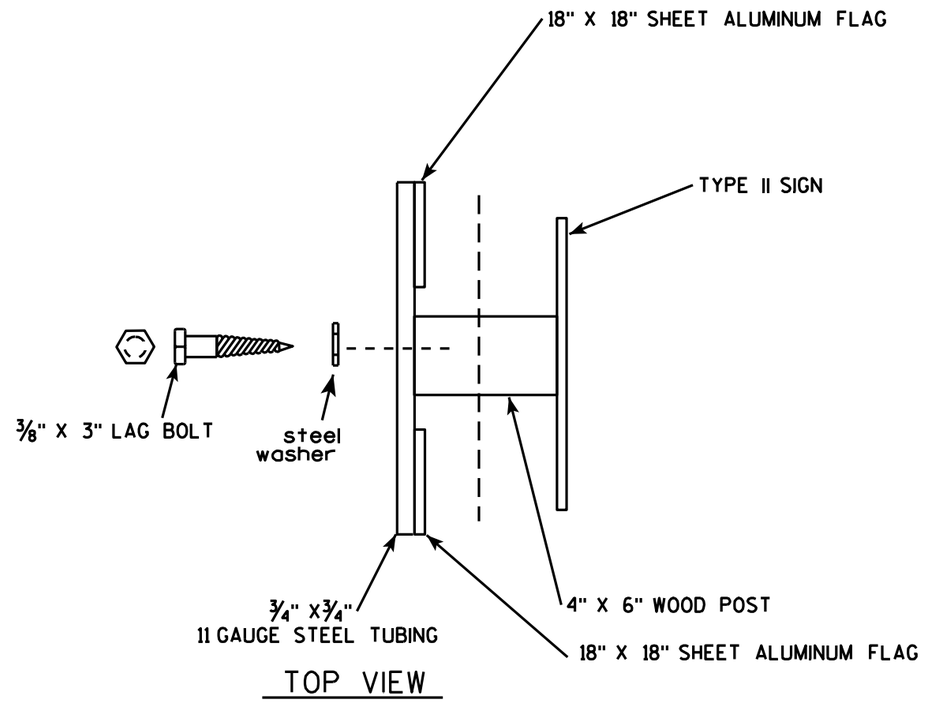
FLAG BOLTING PROCEDURE

GENERAL NOTES

1. ALL MATERIAL TO BE APPROVED BY ENGINEER BEFORE INSTALLATION.
2. SEE SIGN PLATE A4-8 FOR HARDWARE REQUIREMENTS.
3. SIGN IS TYPE II, TYPE F REFLECTIVE- REFERENCE WisDOT STANDARD. SPECIFICATION FOR HIGHWAY AND STRUCTURE CONSTRUCTION LATEST EDITION.
4. SIGN COLOR - ORANGE
5. SIGN CORNERS SHALL BE ROUNDED
6. BRACKET SHALL BE ENTIRELY PRIMED AND PAINTED WITH TWO COATS OF A BLACK POWDER COATED ENAMEL PAINT.



BACK VIEW



TOP VIEW

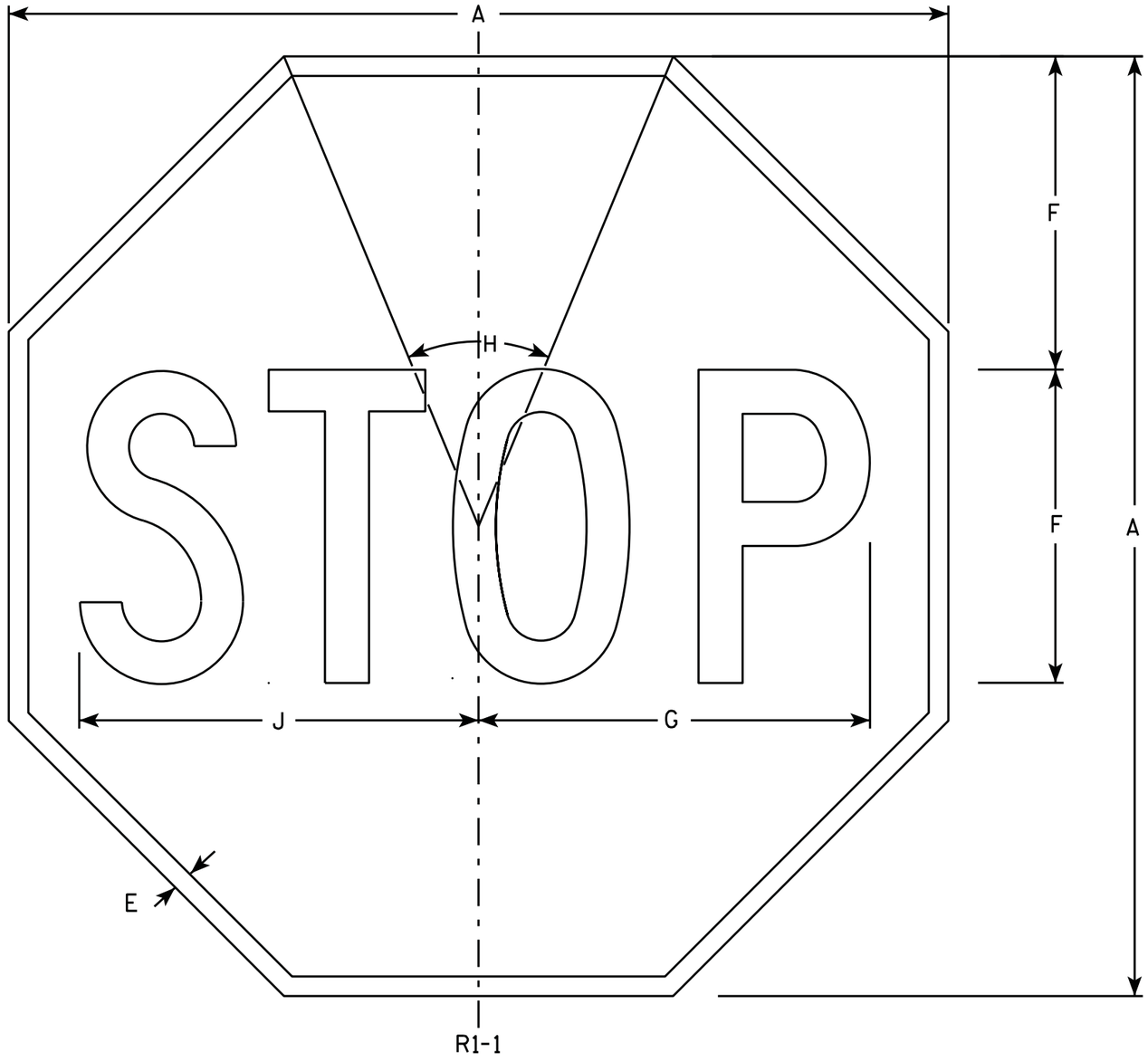
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGN FLAGS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/13 PLATE NO. A4-15.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 210	E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

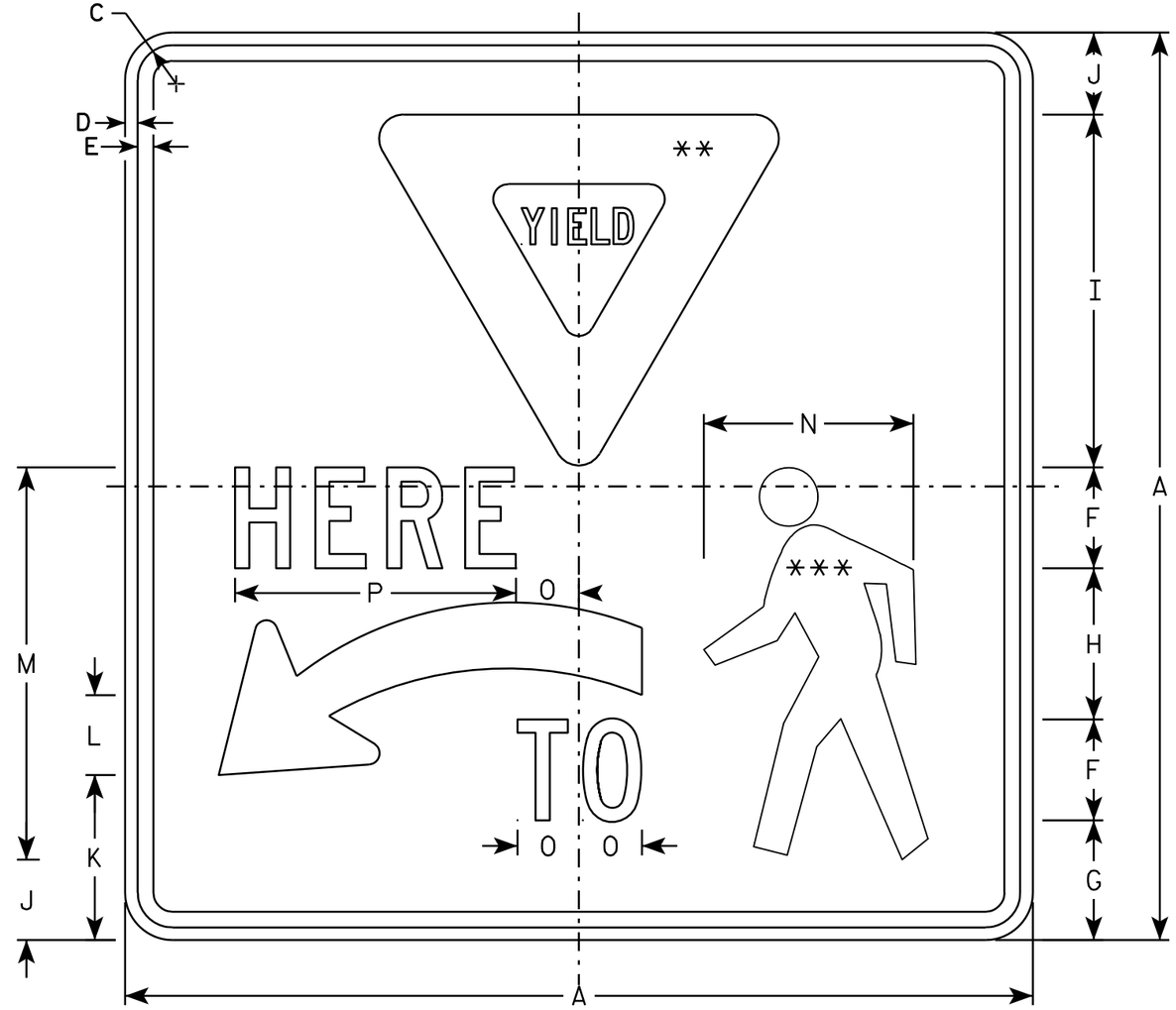
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO. 211	E



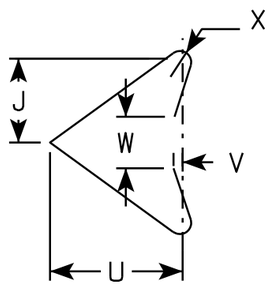
R1-5L

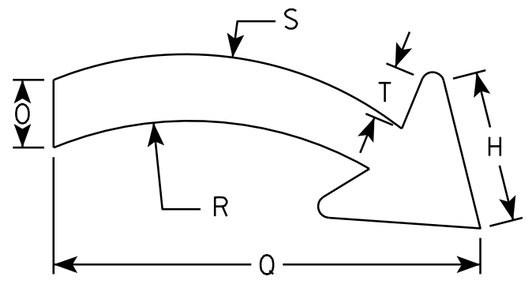
NOTES

1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
   YIELD SYMBOL - RED ON WHITE
   PED SYMBOL - BLACK ON WHITE
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

** INSERT R1-2 AND SIZE TO FIT

*** INSERT W11-2 AND SIZE TO FIT





Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18		1 1/8	3/8	3/8	2	2 3/8	3	7	1 5/8	3 1/4	1 5/8	7 3/4	4 1/8	1 1/4	5 5/8	1 3/8	14 1/4	13 3/4	1 1/8	2 5/8	1/8	1	1/2			2.25
2M	18		1 1/8	3/8	3/8	2	2 3/8	3	7	1 5/8	3 1/4	1 5/8	7 3/4	4 1/8	1 1/4	5 5/8	1 3/8	14 1/4	13 3/4	1 1/8	2 5/8	1/8	1	1/2			2.25
3	30		1 3/8	1/2	5/8	3	4	5 3/8	12	2 3/4	5 1/2	2 5/8	13	6 7/8	1 7/8	8 3/8	14	23 3/4	23	1 3/4	4 3/8	1/4	1 3/4	3/4			6.25
4	36		1 3/8	1/2	5/8	4	4 3/4	6	14	3 1/4	6 1/2	3 1/8	15	8 1/4	2 1/2	11 1/8	16 3/4	28 1/2	27 3/4	2 1/8	5 1/4	3/8	2	1			9.0
5																											

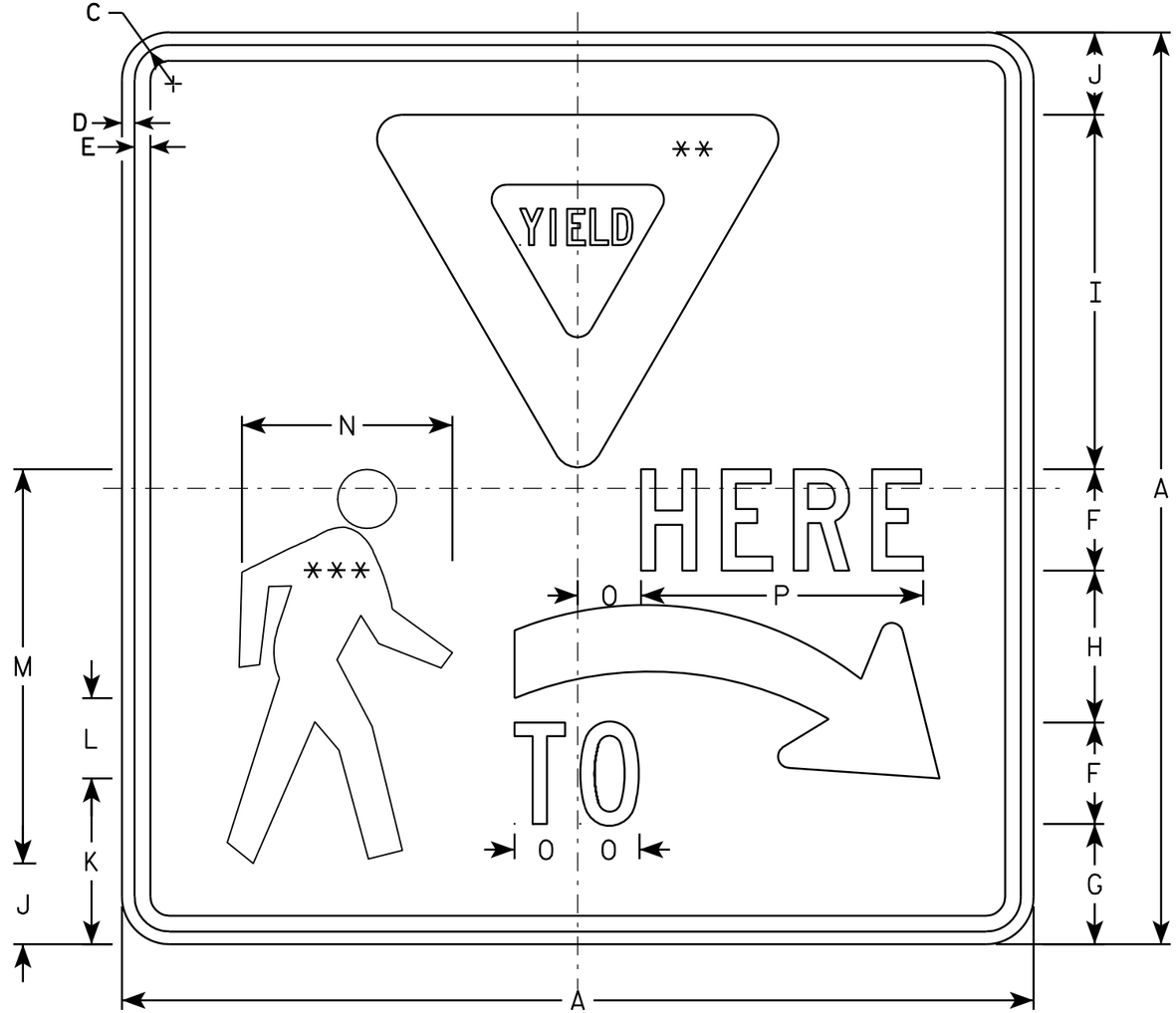
STANDARD SIGN
R1-5L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 212 | E



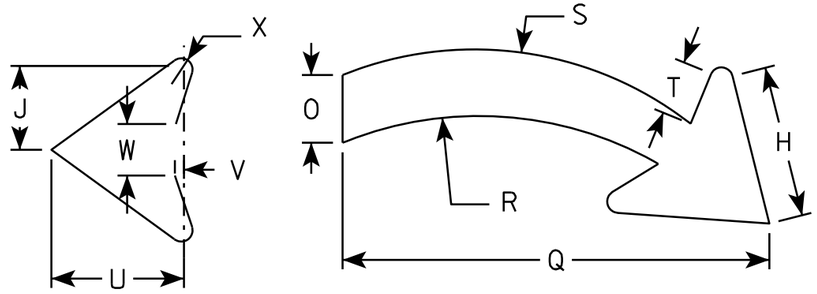
R1-5R

NOTES

1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
   YIELD SYMBOL - RED ON WHITE
   PED SYMBOL - BLACK ON WHITE
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

** INSERT R1-2 AND SIZE TO FIT

*** INSERT W11-2 AND SIZE TO FIT



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18		1 1/8	3/8	3/8	2	2 3/8	3	7	1 5/8	3 1/4	1 5/8	7 3/4	4 1/8	1 1/4	5 5/8	1 3/8	14 1/4	13 3/4	1 1/8	2 5/8	1/8	1	1/2			2.25
2M	18		1 1/8	3/8	3/8	2	2 3/8	3	7	1 5/8	3 1/4	1 5/8	7 3/4	4 1/8	1 1/4	5 5/8	1 3/8	14 1/4	13 3/4	1 1/8	2 5/8	1/8	1	1/2			2.25
3	30		1 3/8	1/2	5/8	3	4	5 3/8	12	2 3/4	5 1/2	2 5/8	13	6 7/8	1 7/8	8 3/8	14	23 3/4	23	1 3/4	4 3/8	1/4	1 3/4	3/4			6.25
4	36		1 3/8	1/2	5/8	4	4 3/4	6	14	3 1/4	6 1/2	3 1/8	15	8 1/4	2 1/2	11 1/8	16 3/4	28 1/2	27 3/4	2 1/8	5 1/4	3/8	2	1			9.0
5																											

STANDARD SIGN
R1-5R

WISCONSIN DEPT OF TRANSPORTATION

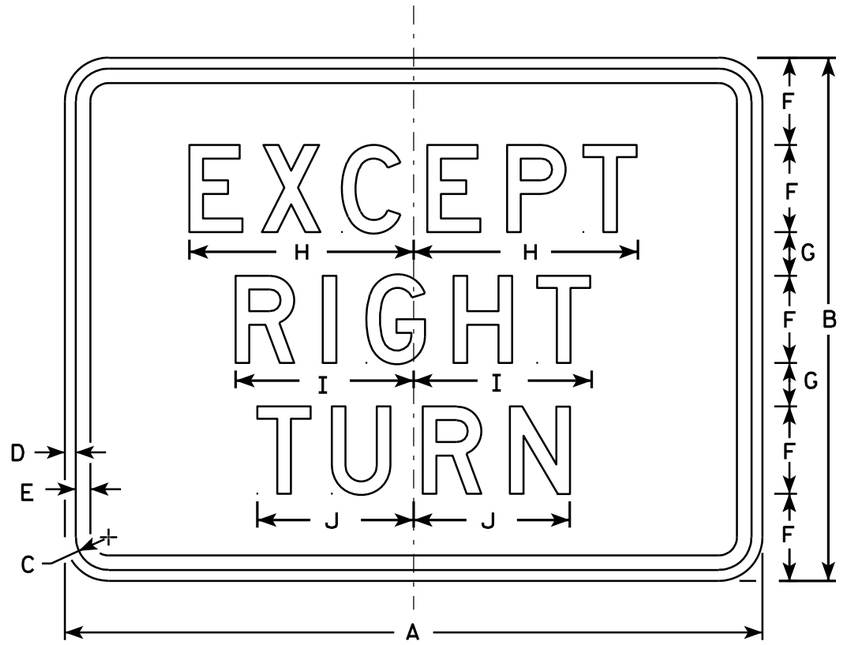
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 213 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R15R.DGN PLOT DATE : 03-DEC-2010 09:17 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

WISDOT/CADDS SHEET 42



R1-10P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	18	1 1/8	3/8	1/2	3	1 1/2	7 3/4	6 1/8	5 3/8																	3.0
2M	24	18	1 1/8	3/8	1/2	3	1 1/2	7 3/4	6 1/8	5 3/8																	3.0
3																											
4																											
5																											

STANDARD SIGN
R1-10P

WISCONSIN DEPT OF TRANSPORTATION

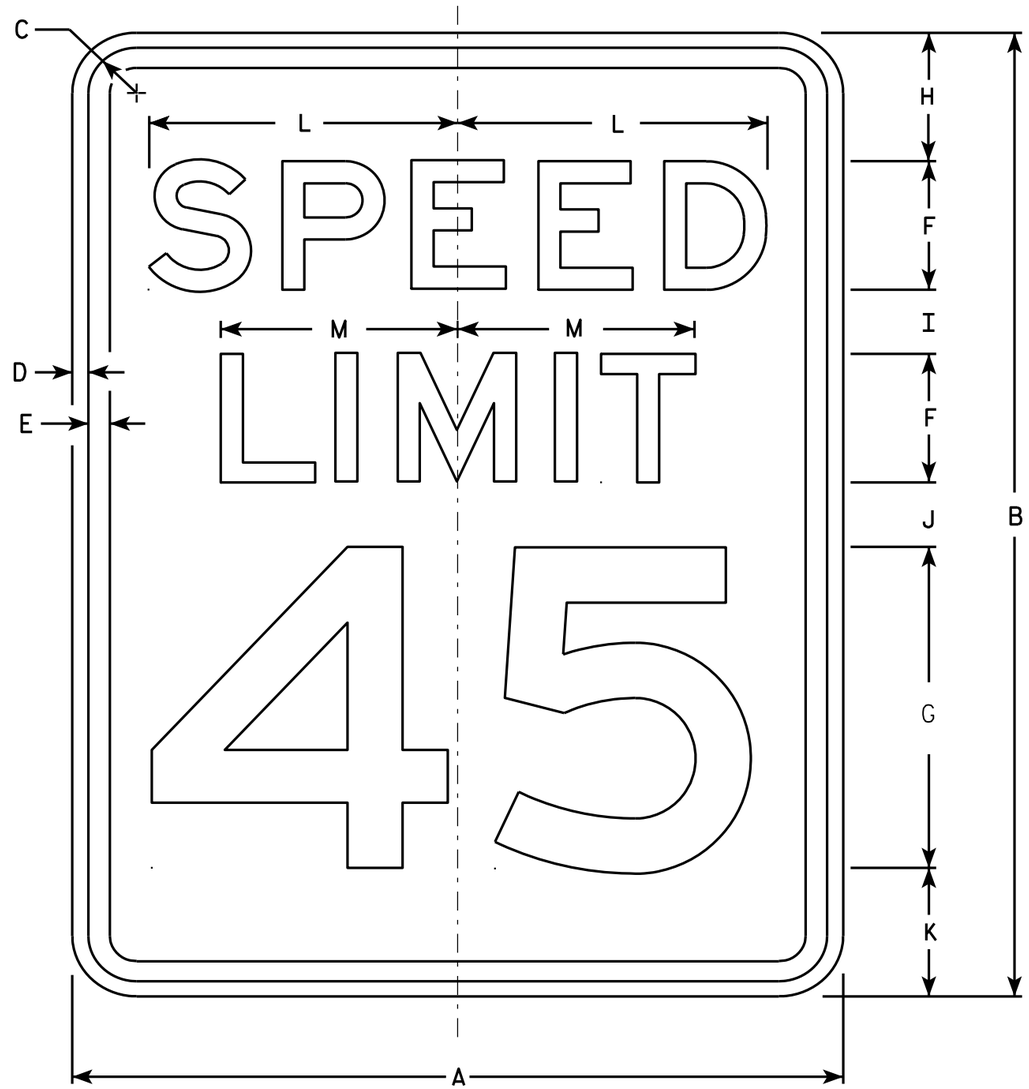
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/2/10 PLATE NO. R1-10P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 214 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R110P.dgn PLOT DATE : 02-JUN-2010 16:08 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 5.214163:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

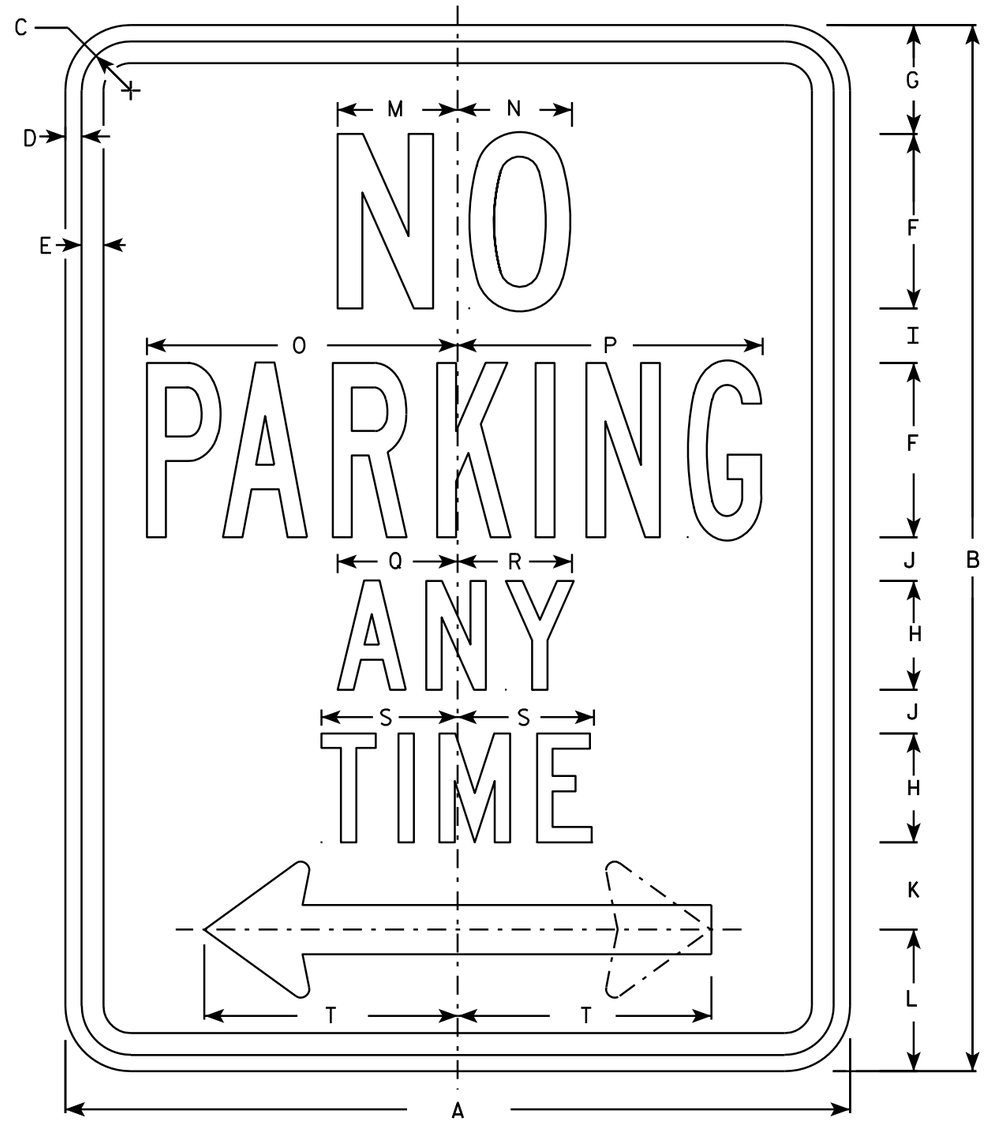
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

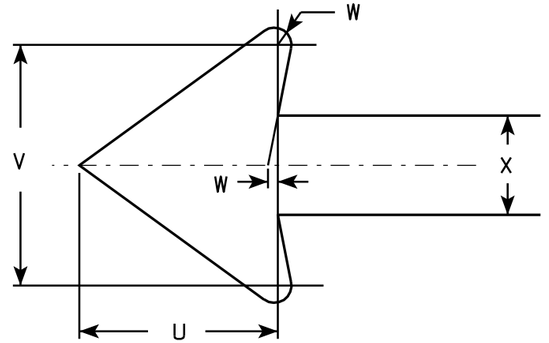
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 215 | E



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
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, 3 and 4 are series C, line 2 is series B.
6. 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 3/31/2011 PLATE NO. R7-1.9

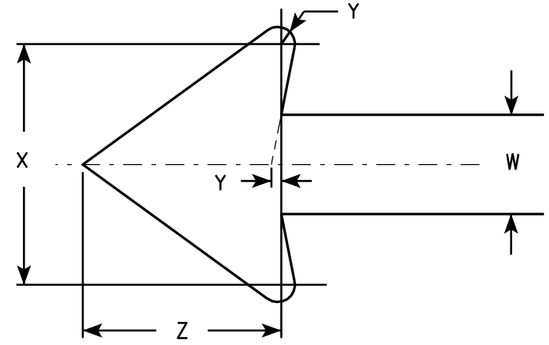
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 216 | E



R7-51

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-51.6

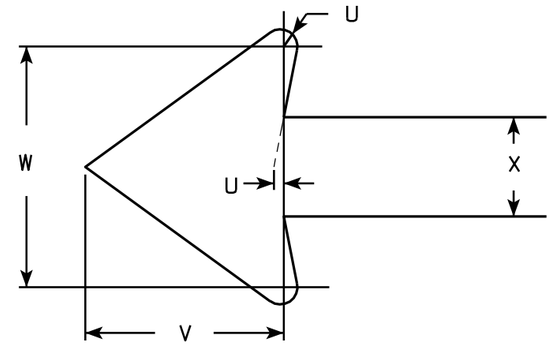
PROJECT NO:	HWY:	COUNTY:			SHEET NO: 217	E



R7-52

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 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, 3 and 4 are series C, line 2 is series B.
6. R7-52D (double arrow)
   R7-52L (left arrow)
   R7-52R (right arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	1 1/2	7/8	7/8	2	2 1/2	2	2	4 7/8	4 7/8	5 1/8	5	3 1/8	3 7/8	1/8	1 1/2	1 3/4	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	6 3/8	6 1/4	3 7/8	5 7/8	1/4	2 1/4	2 5/8	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	7 5/8	7 5/8	4 3/4	7 3/4	1/4	3	3 1/2	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	7 5/8	7 5/8	4 3/4	7 3/4	1/4	3	3 1/2	1 1/2			5.0
4																											
5																											

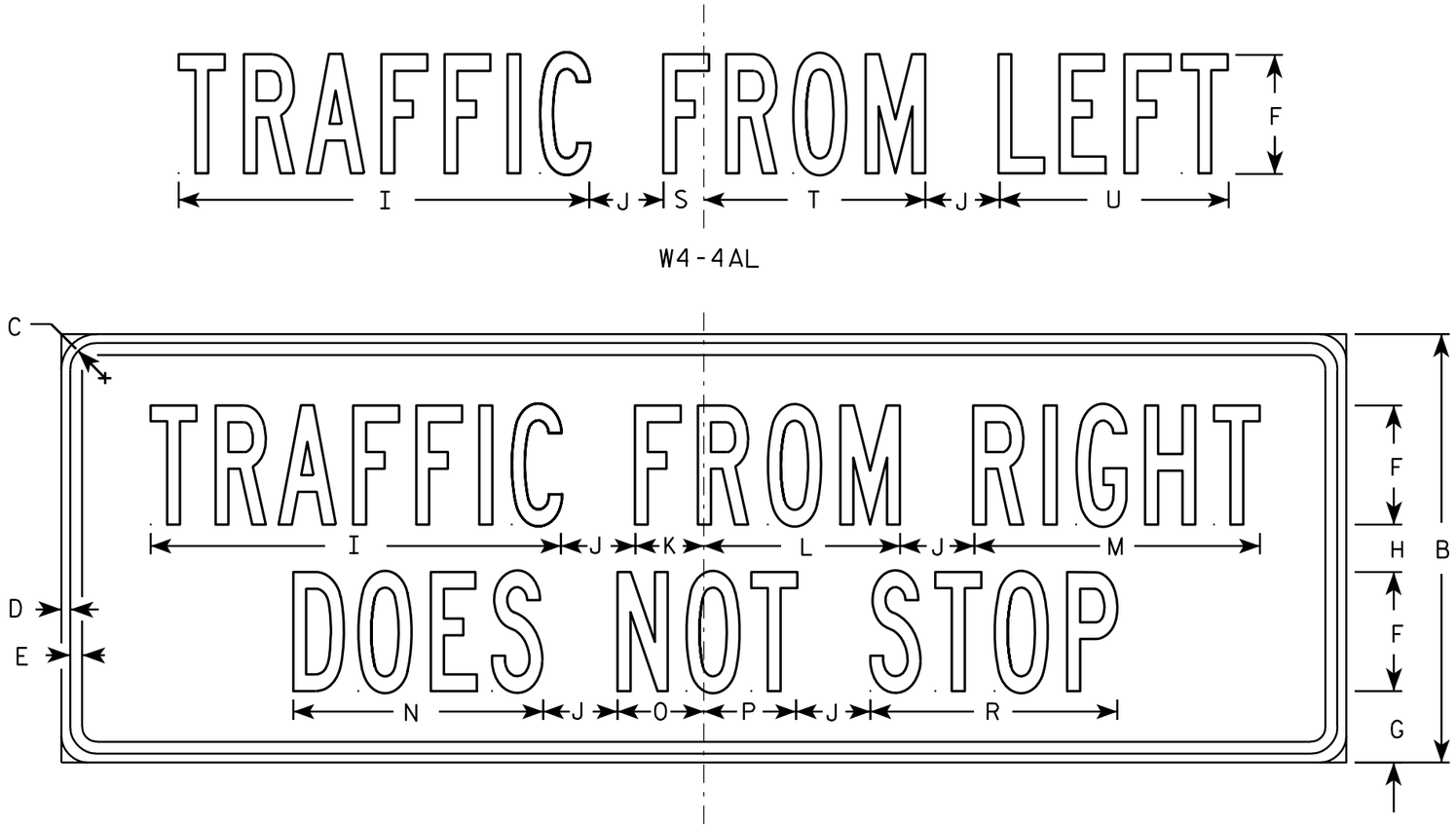
STANDARD SIGN
R7-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-52.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 218	E



W4-4AL

W4-4AR

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - 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																											
2S	30	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	1 3/4	4 7/8	7 1/4	6 1/4	2 1/4	2 1/4		6 1/4	1	5 5/8	5 3/4						2.5
2M	30	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	10 3/8	1 1/2	1 3/4	4 7/8	7 1/4	6 1/4	2 1/4	2 1/4		6 1/4	1	5 5/8	5 3/4						2.5
3	42	15	1 1/8	3/8	1/2	4	2 5/8	1 3/4	13 7/8	2 3/8	2 1/8	6 3/4	9 3/4	8 3/8	2 3/4	3 3/8		8 3/8	1 1/8	7 3/4	7 3/4						4.4
4	54	18	1 1/8	3/8	1/2	5	3	2	17 1/4	3 1/8	2 7/8	8 1/4	12	10 1/2	3 5/8	3 7/8		10 3/8	1 3/4	9 3/8	9 5/8						6.8
5																											

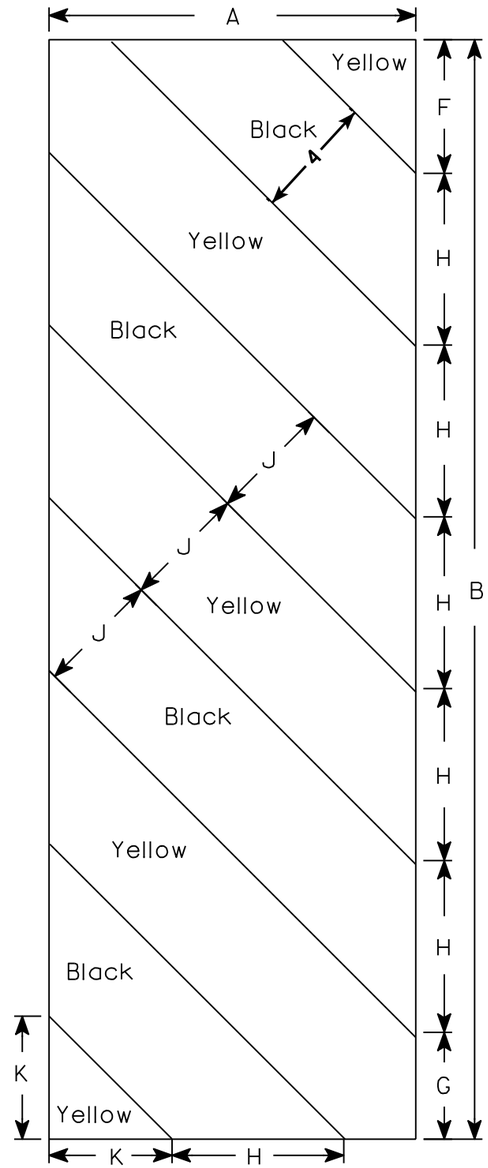
STANDARD SIGN
W4-4AL & W4-4AR

WISCONSIN DEPT OF TRANSPORTATION

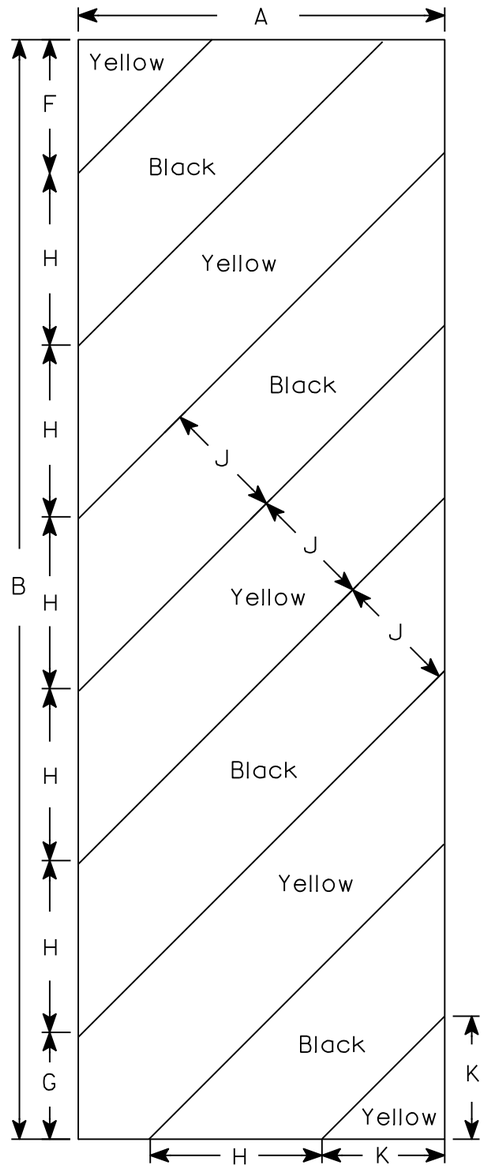
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W4-4A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 219 | E



W5-52L



W5-52R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Alternate colors of stripes as shown.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

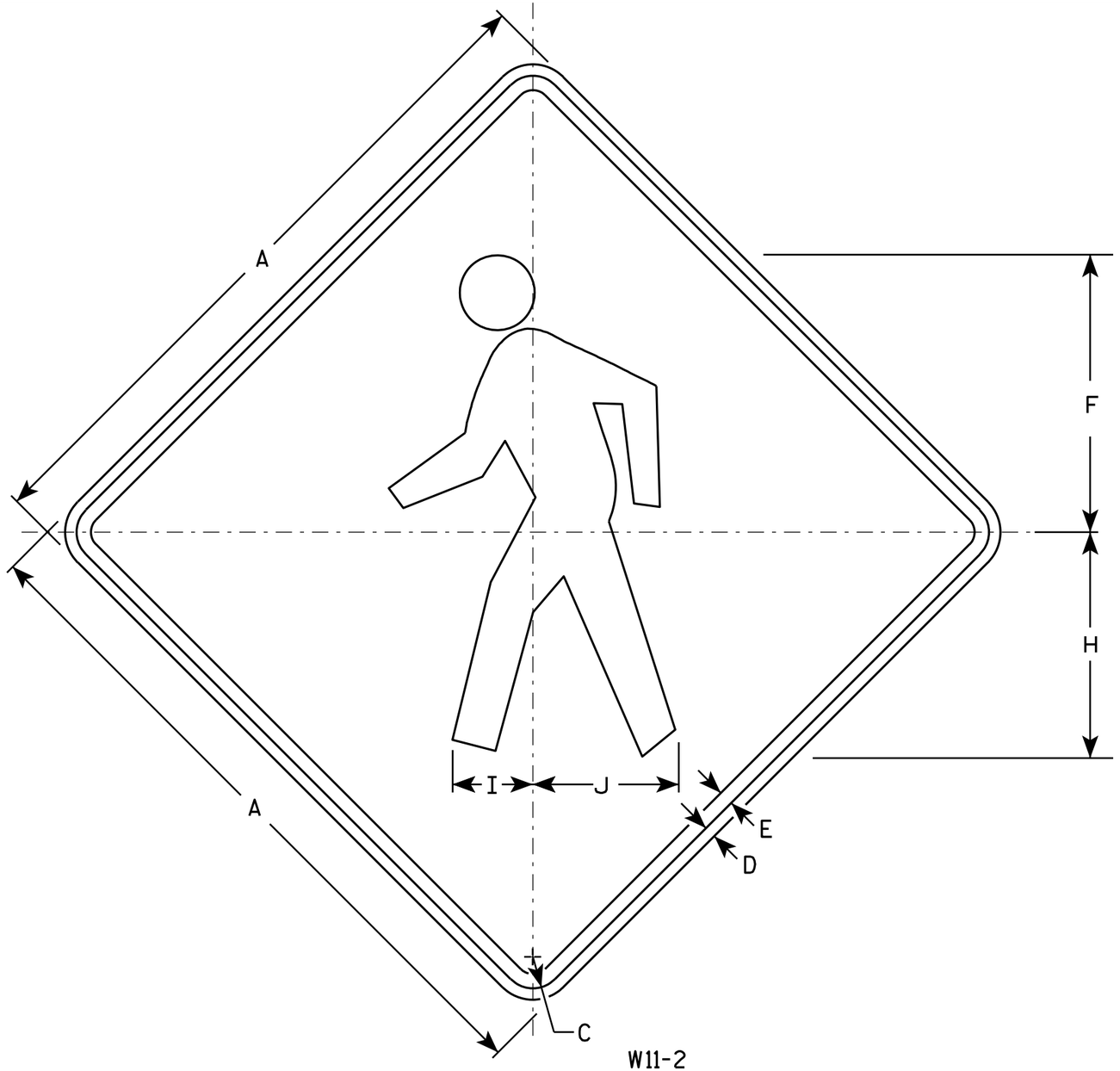
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 220	E



W11-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

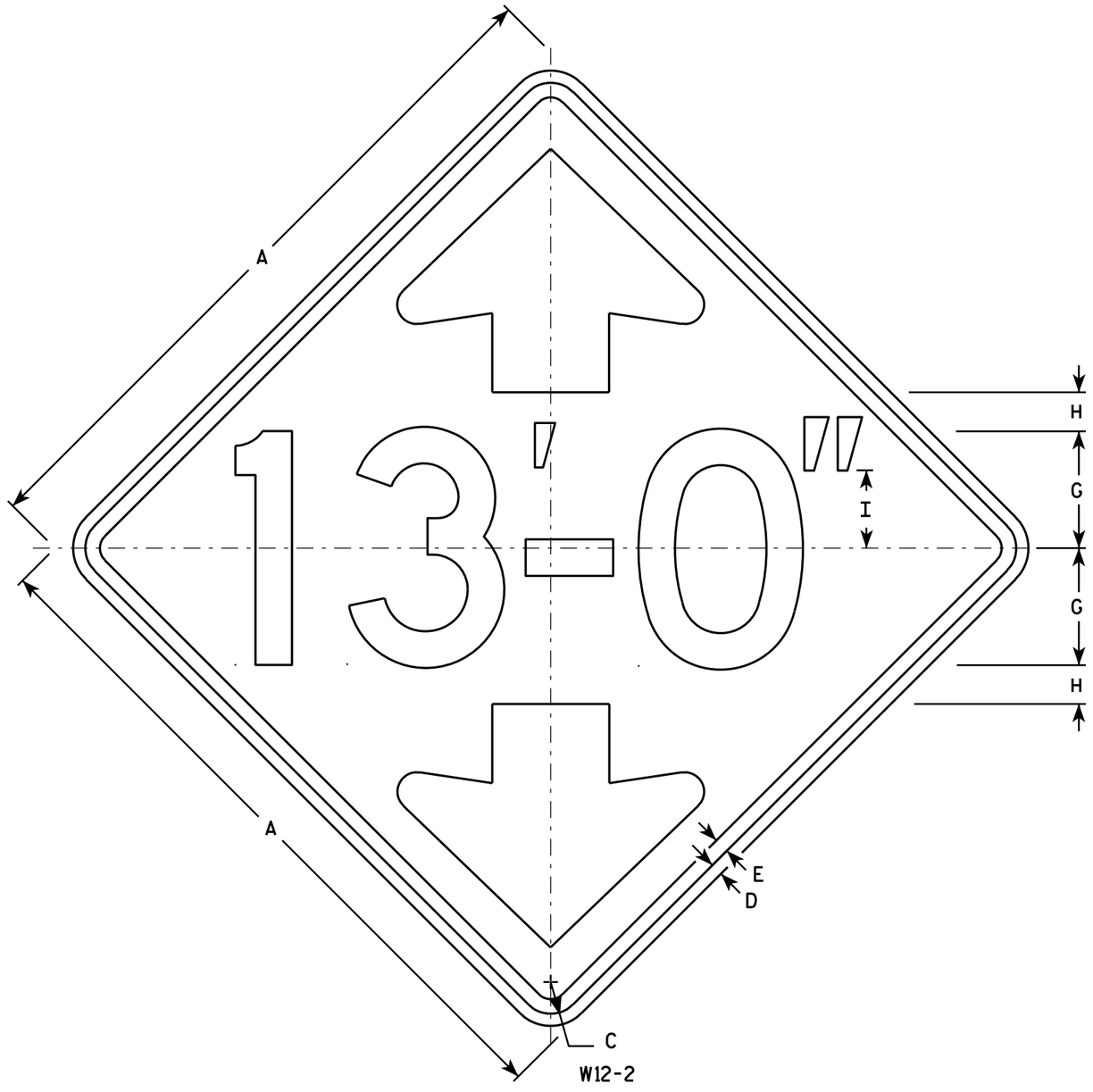
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W11-2.7

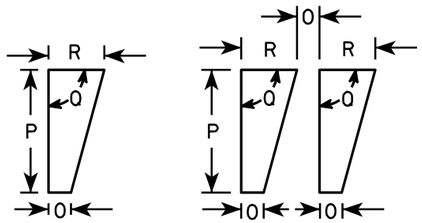
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 221	E



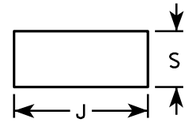
NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing of numerals, hyphen, foot & inch marks to achieve proper balance.

Arrow Detail



Foot Mark & Inch Mark Detail



Hyphen Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		5	1 5/8	3 3/8	3 3/4	6 5/8	5 3/4	3/4	2 1/2	1/2	2 1/4	90°	1	1 5/8								6.25
2S	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
2M	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
3	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
4	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
5	48		2 1/4	3/4	1		8	2 5/8	5 1/2	5 7/8	10 5/8	9 1/4	1 3/8	4	5/8	3 5/8	90°	1 5/8	2 1/2								16.00

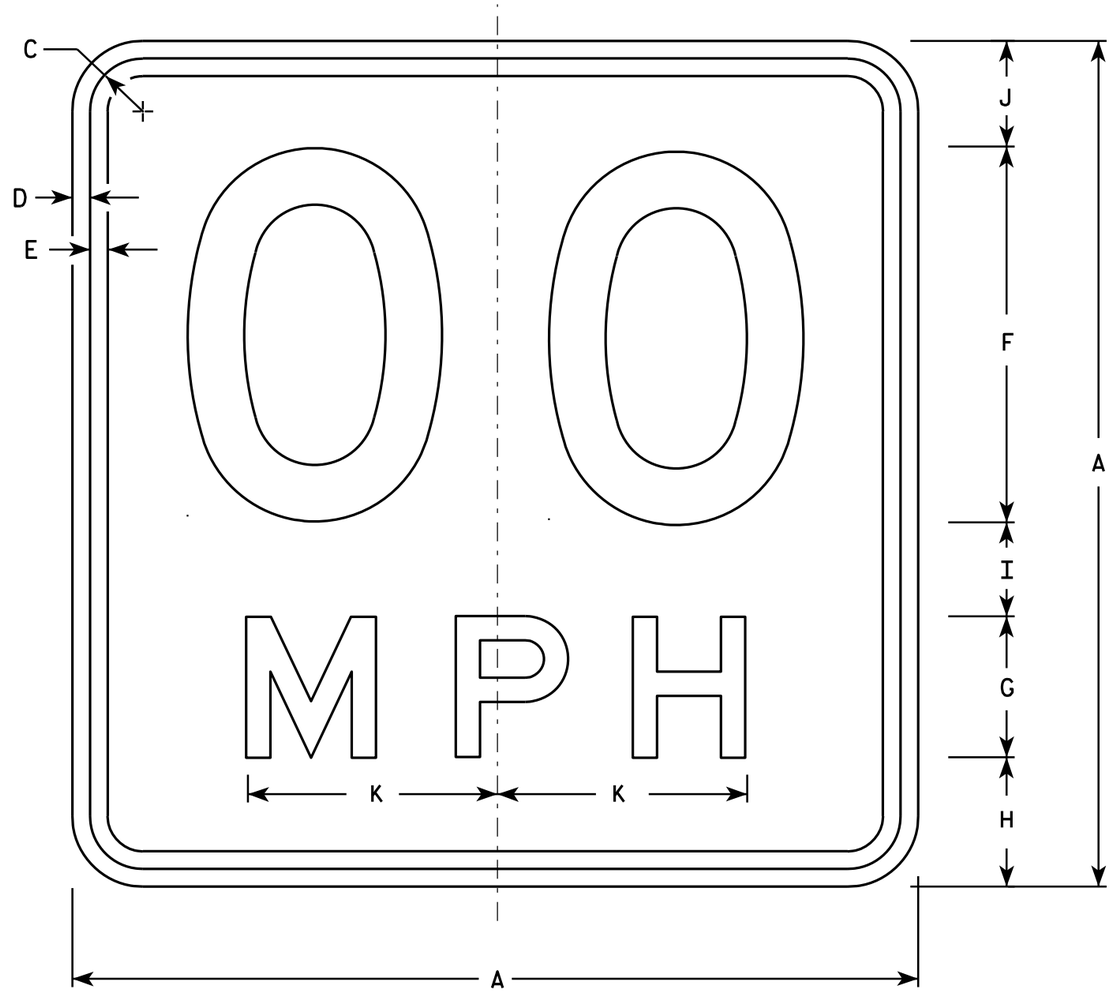
STANDARD SIGN
W12-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-2.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 222	E



W13-1

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

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

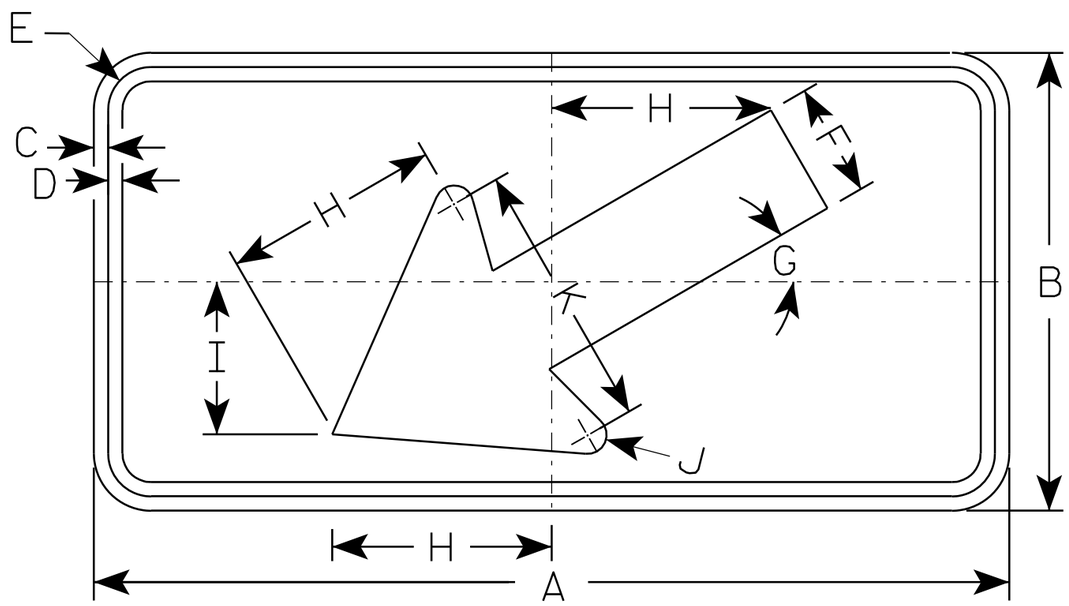
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 223	E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W16-7R is the same as W16-L 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																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

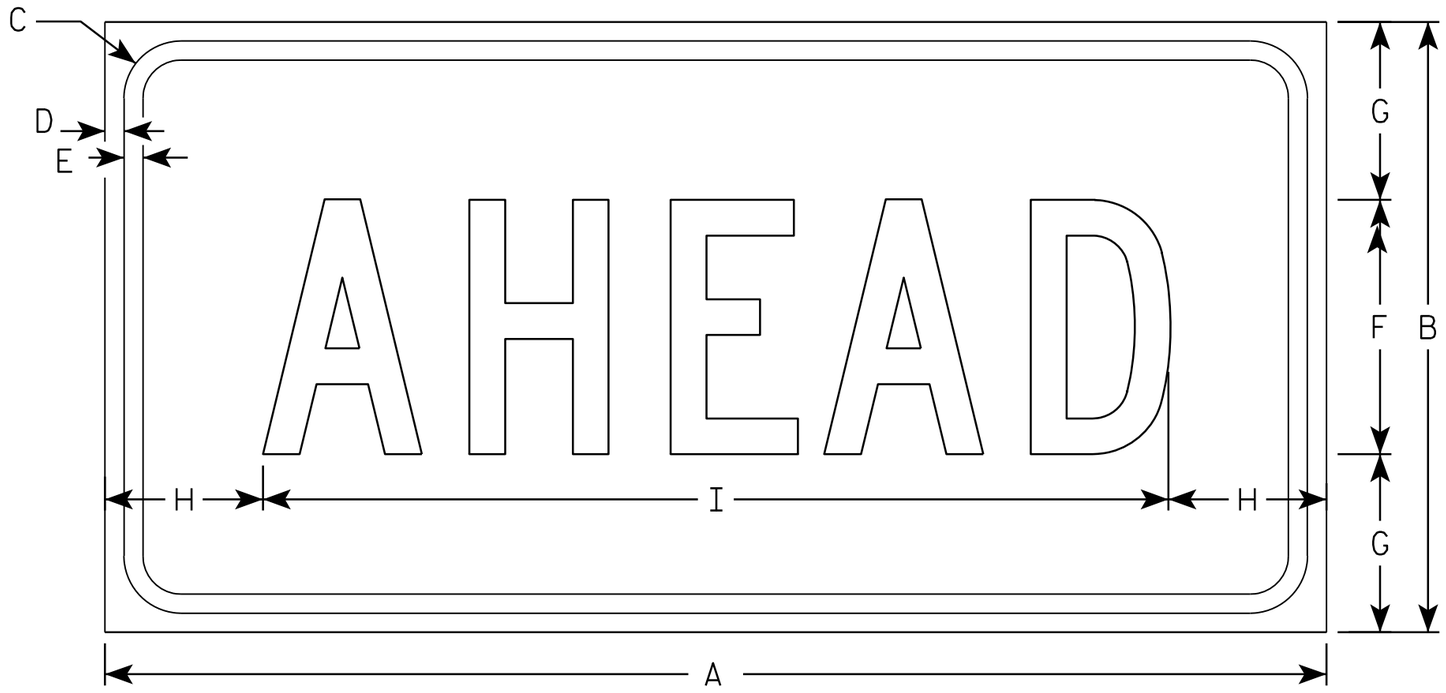
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 224	E



W16-9P

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
   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	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
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																											

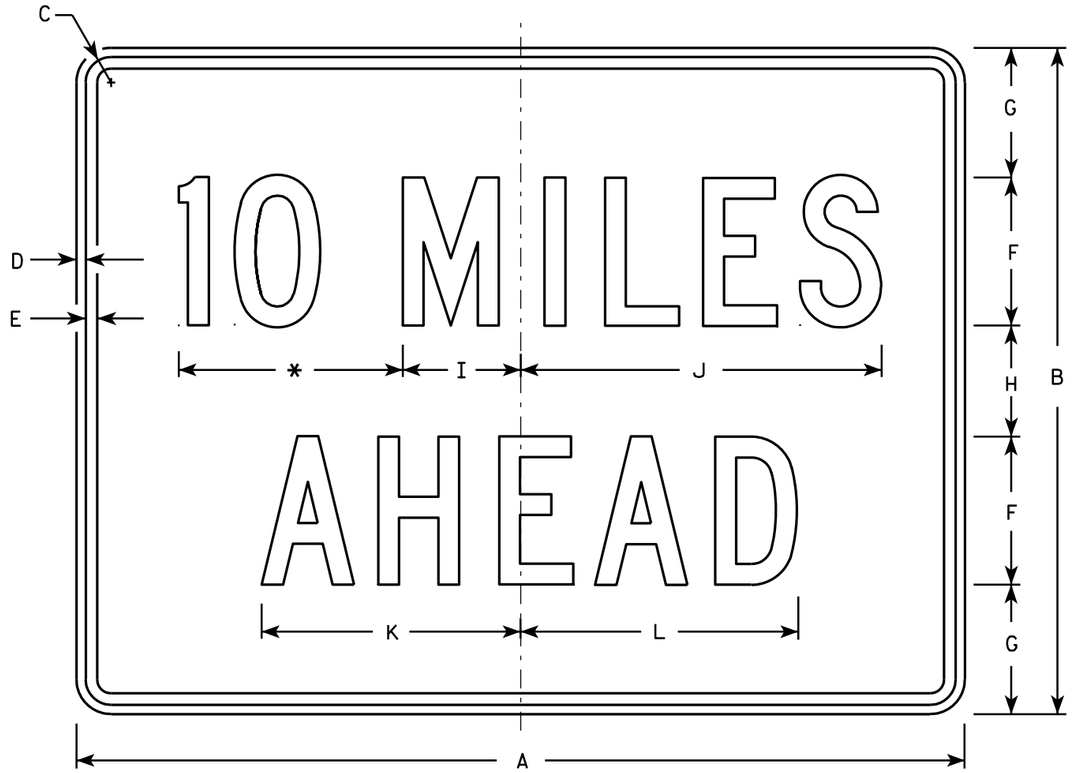
STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

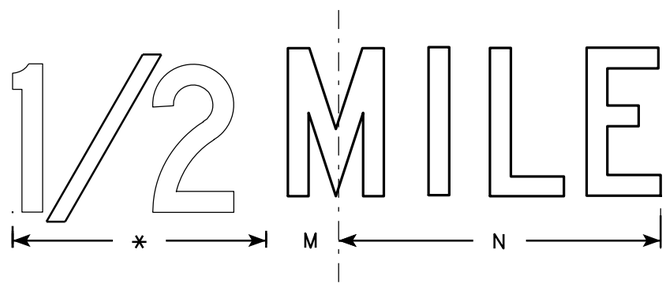
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/28/10 PLATE NO. W16-9P.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 225	E



W57-52



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	1/2	4	3 1/2	3	3 1/8	9 3/4	7	7 1/2	1 3/8	8 3/4													3.0
2S	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	13													6.0
2M	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	13													6.0
3	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	13													6.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	17 3/8													12.0

STANDARD SIGN
W57-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W57-52.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 226	E

CTH S/Pleasant Street

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill 1.25	Mass Ordinate
21+25.00	2125.00	0.00	59	11	1	0	0	0	0	0	0
21+50.00	2150.00	25.00	63	11	1	56	10	1	46	1	46
22+00.00	2200.00	50.00	77	11	7	130	20	7	156	9	147
22+50.00	2250.00	50.00	74	11	1	140	20	7	277	18	259
23+00.00	2300.00	50.00	93	11	2	155	20	3	413	22	391
23+13.49	2313.49	13.49	114	11	0	52	5	1	459	22	437
23+50.00	2350.00	36.51	76	11	2	129	14	1	573	24	549
24+00.00	2400.00	50.00	86	11	11	150	20	12	704	39	665
24+50.00	2450.00	50.00	63	11	1	138	20	11	822	53	769
25+00.00	2500.00	50.00	55	11	3	109	20	4	912	57	855
25+50.00	2550.00	50.00	53	11	44	100	20	43	992	111	881
25+82.79	2582.79	32.79	78	11	0	80	13	27	1058	144	914
26+00.00	2600.00	17.21	79	11	0	50	7	0	1102	144	957
26+10.00	2610.00	10.00	80	11	27	29	4	5	1127	151	976
26+50.00	2650.00	40.00	90	11	6	126	16	24	1237	181	1056
27+00.00	2700.00	50.00	92	11	3	169	20	8	1386	191	1195
27+50.00	2750.00	50.00	94	11	2	173	20	5	1539	197	1342
28+00.00	2800.00	50.00	98	11	2	178	20	4	1697	202	1496
28+50.00	2850.00	50.00	96	11	3	180	20	5	1858	208	1650
28+75.00	2875.00	25.00	107	11	3	94	10	3	1942	211	1731
29+00.00	2900.00	25.00	105	11	8	98	10	5	2030	218	1813
29+50.00	2950.00	50.00	100	11	24	190	20	29	2200	254	1946
30+00.00	3000.00	50.00	64	11	212	152	20	219	2333	527	1806
30+02.00	3002.00	2.00	63	11	217	5	1	16	2337	547	1790
30+25.00	3025.00	23.00	87	11	61	64	9	118	2392	695	1697
30+50.00	3050.00	25.00	64	11	19	70	10	37	2452	741	1711
30+75.00	3075.00	25.00	70	11	10	62	10	13	2504	758	1746
31+00.00	3100.00	25.00	64	11	7	62	10	8	2556	767	1789
31+50.00	3150.00	50.00	67	11	2	122	20	8	2658	777	1882
32+00.00	3200.00	50.00	73	11	1	130	20	2	2769	779	1989
32+50.00	3250.00	50.00	73	11	0	135	20	1	2884	780	2104
32+75.00	3275.00	25.00	77	11	0	70	10	0	2944	780	2164
33+00.00	3300.00	25.00	80	11	0	73	10	0	3007	780	2227
33+50.00	3350.00	50.00	72	11	0	141	20	0	3128	780	2348
33+68.00	3368.00	18.00	71	11	0	48	7	0	3169	780	2388
33+86.39	3386.39	18.39	68	11	0	47	7	0	3209	780	2429
34+00.00	3400.00	13.61	68	11	0	34	5	0	3238	780	2458
34+25.00	3425.00	25.00	65	11	0	61	10	0	3290	781	2509
34+50.00	3450.00	25.00	62	11	2	59	10	1	3338	782	2557
34+75.00	3475.00	25.00	62	11	2	57	10	2	3386	784	2602
35+00.00	3500.00	25.00	76	11	0	64	10	1	3440	785	2655
35+25.00	3525.00	25.00	88	11	0	76	10	0	3506	785	2720
35+50.00	3550.00	25.00	95	11	0	85	10	0	3581	785	2795
35+75.00	3575.00	25.00	91	11	1	86	10	0	3657	786	2871
36+00.00	3600.00	25.00	92	11	0	85	10	1	3732	787	2945
36+25.00	3625.00	25.00	89	11	0	84	10	0	3805	787	3019
36+50.00	3650.00	25.00	84	11	0	80	10	0	3875	787	3089
36+75.00	3675.00	25.00	73	11	0	73	10	0	3938	787	3152
37+00.00	3700.00	25.00	67	11	0	65	10	0	3994	787	3207
37+50.00	3750.00	50.00	66	11	0	123	20	0	4097	787	3310
38+00.00	3800.00	50.00	90	11	0	145	20	0	4222	788	3435
38+25.00	3825.00	25.00	92	11	0	84	10	0	4297	788	3509
38+50.00	3850.00	25.00	54		0	68		0	4364	788	3576
38+64.25	3864.25	14.25	57		0	29		0	4394	788	3606
38+82.61	3882.61	18.36	94		0	51		0	4445	788	3657
39+00.00	3900.00	17.39	47		0	46		0	4490	788	3703
39+25.00	3925.00	25.00	27		0	34		0	4525	788	3737
39+50.00	3950.00	25.00	37		0	29		0	4554	788	3766
39+70.00	3970.00	20.00	54		0	34		0	4587	788	3800
40+00.00	4000.00	30.00	101	11	1	86	6	1	4668	789	3879
40+25.00	4025.00	25.00	123	11	0	103	10	0	4761	789	3972

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CTH S/Pleasant Street

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill 1.25	Mass Ordinate
40+50.00	4050.00	25.00	128	11	4	116	10	2	4867	791	4076
41+00.00	4100.00	50.00	102	11	0	213	20	4	5061	796	4265
41+20.30	4120.30	20.30	109	11	0	80	8	0	5132	796	4337
41+50.00	4150.00	29.70	78	11	0	103	12	0	5224	796	4428
42+00.00	4200.00	50.00	66	11	1	133	20	1	5337	797	4540
42+50.00	4250.00	50.00	56	11	10	113	20	11	5430	810	4620
43+00.00	4300.00	50.00	57	11	27	104	20	35	5514	853	4661
43+50.00	4350.00	50.00	51	11	43	100	20	65	5594	935	4659
44+00.00	4400.00	50.00	56	11	12	99	20	51	5674	999	4675
44+25.00	4425.00	25.00	54	11	5	51	10	8	5715	1008	4706
44+50.00	4450.00	25.00	56	11	0	51	10	2	5756	1011	4744
44+75.00	4475.00	25.00	43	11	0	46	10	0	5792	1012	4780
45+00.00	4500.00	25.00	35	11	0	36	10	0	5818	1012	4806
45+33.83	4533.83	33.83	30	11	0	40	13	0	5845	1012	4833
45+50.00	4550.00	16.17	58	11	0	26	6	0	5865	1012	4852
45+63.22	4563.22	13.22	37	11	0	23	5	0	5883	1012	4871
46+00.00	4600.00	36.78	32	11	1	47	15	1	5915	1013	4902
46+42.65	4642.65	42.65	49		0	64	8	1	5970	1014	4956
						6,895	925	812			

Industrial Drive

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill 1.25	Mass Ordinate
20+25.00	2025.00	0.00	8		5	0		0	0	0	0
20+34.55	2034.55	9.55	48		10	10		3	10	3	7
20+44.10	2044.10	9.55	134		8	32		3	42	7	35
20+49.64	2049.64	5.54	153		9	29		2	71	10	62

Westgate Street

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill 1.25	Mass Ordinate
30+25.00	3025.00	0.00	49		33	0	0	0	0	0	0
30+44.45	3044.45	19.45	55		0	37	0	12	37	15	23
30+50.00	3050.00	5.55	57		0	11	0	0	49	15	34

Burkwald Ave

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill 1.25	Mass Ordinate
20+33.20	2033.20	0.00	35		0	0	0	0	0	0	0
20+50.00	2050.00	16.80	45		0	25	0	0	25	0	25
20+66.68	2066.68	16.68	66		5	34	0	1	59	2	57
20+75.00	2075.00	8.32	78		9	22	0	2	81	4	77

Park Street

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill 1.25	Mass Ordinate
20+25.00	2025.00	0.00	58		0	0	0	0	0	0	0
20+36.72	2036.72	11.72	49		0	23	0	0	23	0	23

CTH S/Main Street

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill 1.25	Mass Ordinate
44+85.35	4485.35	0.00	3	0	0	0	0	0	0	0	0
45+00.00	4500.00	14.65	4	0	0	2	0	0	2	0	2
46+00.00	4600.00	100.00	51	11	2	103	20	3	85	4	81
46+20.00	4620.00	20.00	34	11	10	32	8	4	108	9	99
46+30.00	4630.00	10.00	30	11	12	12	4	4	116	14	102
46+50.00	4650.00	20.00	29	11	1	22	8	5	131	20	110
46+75.00	4675.00	25.00	20	11	1	23	10	1	144	21	122
47+00.00	4700.00	25.00	23	11	1	20	10	1	154	22	131
47+25.00	4725.00	25.00	32	11	7	25	10	4	169	27	142
47+50.00	4750.00	25.00	47	11	3	37	10	5	196	33	163
47+75.00	4775.00	25.00	62	11	0	50	10	1	237	35	202
47+80.00	4780.00	5.00	66	11	0	12	2	0	246	35	211
48+00.00	4800.00	20.00	84	11	0	56	8	0	294	35	259
48+20.00	4820.00	20.00	95	11	0	66	8	0	353	35	318
48+50.00	4850.00	30.00	94	11	0	105	12	0	446	35	411
49+00.00	4900.00	50.00	73	11	1	154	20	1	580	36	543
49+42.00	4942.00	42.00	72	11	1	113	17	2	676	38	637
49+50.00	4950.00	8.00	68	11	6	21	3	1	693	40	654
49+70.00	4970.00	20.00	69	11	3	51	8	3	736	44	693
50+00.00	5000.00	30.00	64	11	0	74	12	2	798	46	753
50+50.00	5050.00	50.00	56	11	0	110	20	0	889	46	843
51+00.00	5100.00	50.00	51	11	0	98	20	0	968	46	922
51+50.00	5150.00	50.00	72	11	0	114	20	0	1062	46	1016
51+56.85	5156.85	6.85	75	11	0	19	3	0	1077	46	1032
52+00.00	5200.00	43.15	94	11	1	135	17	0	1196	46	1149
52+08.07	5208.07	8.07	96	11	1	28	3	0	1221	47	1174
52+25.00	5225.00	16.93	104	11	0	63	7	0	1277	47	1230
52+50.00	5250.00	25.00	96	11	0	93	10	0	1359	47	1312
53+00.00	5300.00	50.00	72	11	1	156	20	1	1496	49	1447
53+50.00	5350.00	50.00	46	11	14	110	20	14	1586	66	1520
53+60.00	5360.00	10.00	42	11	15	16	4	5	1598	73	1525
53+90.00	5390.00	30.00	43	11	3	47	12	10	1634	85	1548
54+00.00	5400.00	10.00	48	11	4	17	4	1	1647	87	1560
54+50.00	5450.00	50.00	48	11	1	89	20	4	1716	92	1624
55+00.00	5500.00	50.00	45	11	1	86	20	2	1782	94	1688

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CTH S/Main Street

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill 1.25	Mass Ordinate
55+50.00	5550.00	50.00	48	11	1	86	20	2	1848	96	1752
55+75.00	5575.00	25.00	56	11	0	48	10	0	1887	97	1790
56+00.00	5600.00	25.00	64	11	0	56	10	0	1932	97	1836
56+35.02	5635.02	35.02	66	11	1	85	14	1	2003	97	1906
56+50.00	5650.00	14.98	64	11	0	36	6	0	2033	98	1936
57+00.00	5700.00	50.00	75	11	0	128	20	0	2142	98	2044
57+50.00	5750.00	50.00	43	11	10	109	20	10	2231	110	2121
58+00.00	5800.00	50.00	41	11	1	78	20	10	2289	123	2166
58+25.00	5825.00	25.00	40	11	3	38	10	2	2317	125	2191
58+50.00	5850.00	25.00	70	11	3	51	10	3	2358	129	2229
59+00.00	5900.00	50.00	55	11	1	116	20	4	2454	134	2321
59+38.97	5938.97	38.97	42	11	1	70	15	2	2509	136	2373
59+50.00	5950.00	11.03	44	11	0	18	4	0	2522	136	2386
59+73.34	5973.34	23.34	37	11	3	35	9	1	2548	138	2410
59+90.00	5990.00	16.66	32	11	2	21	7	2	2563	140	2423
60+00.00	6000.00	10.00	30	11	3	11	4	1	2570	141	2429
60+50.00	6050.00	50.00	24	11	4	50	20	7	2600	149	2451
60+67.00	6067.00	17.00	24	11	4	15	7	3	2608	153	2456
61+00.00	6100.00	33.00	22	11	5	28	13	6	2623	160	2463
61+50.00	6150.00	50.00	23	11	2	42	20	7	2645	168	2476
62+00.00	6200.00	50.00	42	11	0	60	20	2	2685	171	2514
62+50.00	6250.00	50.00	38	11	1	74	20	1	2739	172	2567
63+00.00	6300.00	50.00	40	11	1	72	20	2	2792	174	2618
63+40.38	6340.38	40.38	39	11	3	59	16	3	2834	178	2657
63+50.00	6350.00	9.62	52	11	0	16	4	1	2847	178	2668
63+56.01	6356.01	6.01	61	11	0	13	2	0	2857	178	2679
64+00.00	6400.00	43.99	33	11	1	77	17	1	2916	180	2737
64+50.00	6450.00	50.00	33	11	2	61	20	3	2958	183	2774
65+00.00	6500.00	50.00	39	11	1	67	20	3	3005	187	2818
65+50.00	6550.00	50.00	49	11	0	82	20	1	3067	188	2879
66+00.00	6600.00	50.00	47	11	0	89	20	0	3136	188	2948
66+50.00	6650.00	50.00	40	11	3	80	20	3	3196	191	3005
67+00.00	6700.00	50.00	28	11	17	62	20	18	3239	214	3025
67+50.00	6750.00	50.00	26	11	28	49	20	42	3268	266	3002
68+00.00	6800.00	50.00	22	11	26	44	20	51	3293	329	2963
68+50.00	6850.00	50.00	23	11	21	41	20	44	3314	384	2930
69+00.00	6900.00	50.00	24	11	19	43	20	37	3338	431	2907
69+50.00	6950.00	50.00	25	11	30	46	20	45	3364	487	2876
70+00.00	7000.00	50.00	52	11	18	72	20	45	3416	544	2872
70+50.00	7050.00	50.00	51	11	6	95	20	23	3491	572	2920
70+54.60	7054.60	4.60	51	11	4	9	2	1	3498	573	2925
						4490	992	458			

Herman Street

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill 1.25	Mass Ordinate
20+31.90	2031.90	0.00	43		2	0	0	0	0	0	0
20+40.00	2040.00	8.10	49		0	14	0	0	14	0	14
20+46.38	2046.38	6.38	38		0	10	0	0	24	0	24
						24		0			

Highland Street

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill 1.25	Mass Ordinate
21+06.00	2106.00	0.00	40		22	0	0	0	0	0	0
21+10.00	2110.00	4.00	37		17	6	0	3	6	4	2
21+20.00	2120.00	10.00	45		3	15	0	4	21	8	13
21+26.53	2126.53	6.53	43		1	11	0	0	32	9	23
21+50.00	2150.00	23.47	40		0	36	0	0	68	9	58
21+60.00	2160.00	10.00	40		0	15	0	0	82	9	73
						82		7			

Albert Street

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
			Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Expanded Fill 1.25	Mass Ordinate
20+27.96	2027.96	0.00	46		0	0	0	0	0	0	0
20+40.29	2040.29	12.33	36		3	19	0	1	19	1	18
						19		1			

9

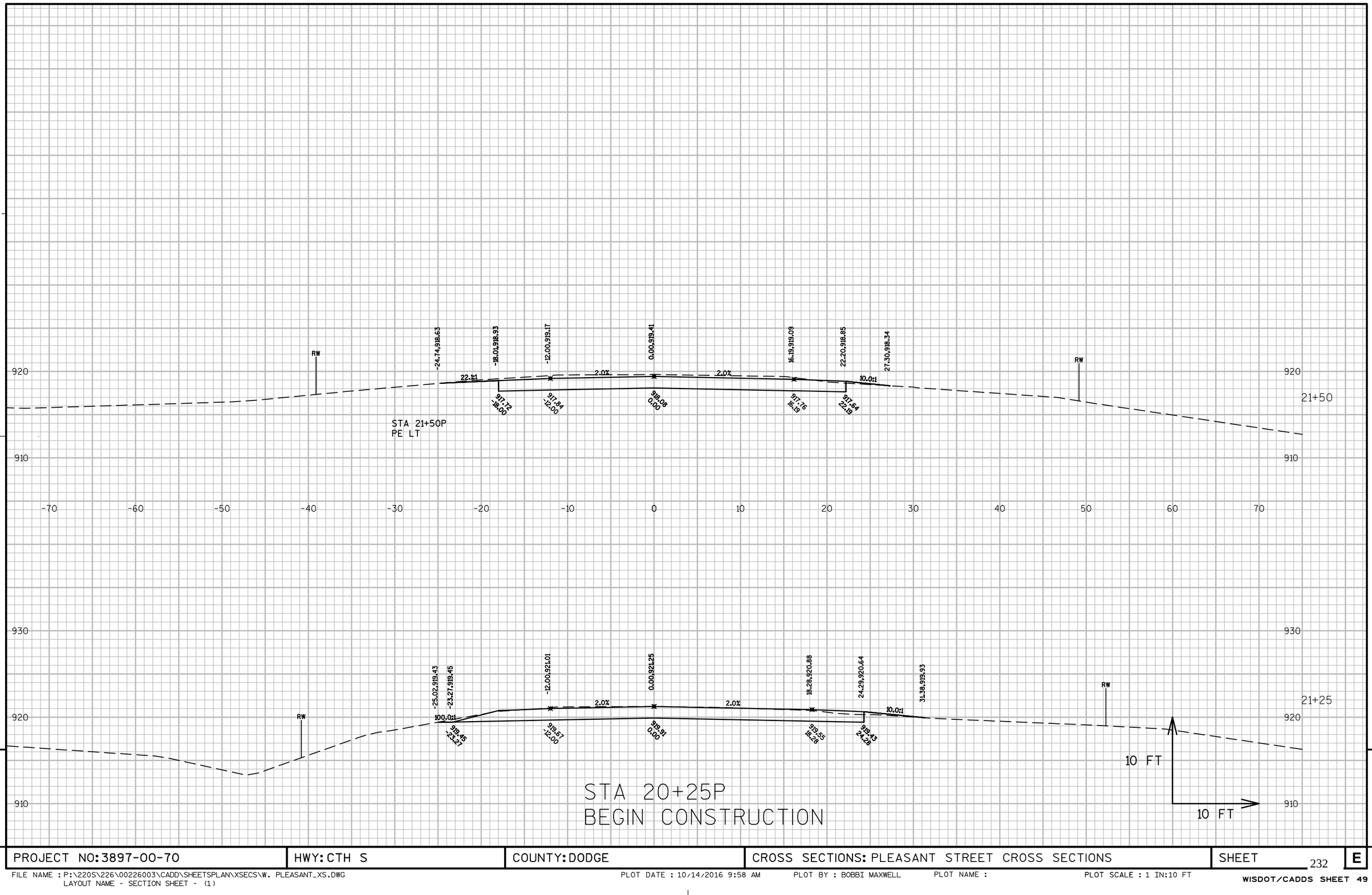
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PROJECT NO:3897-00-70	HWY:CTH S	COUNTY:DODGE	EARTHWORK	SHEET 231	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\DETAILS\090101-EW.DWG
LAYOUT NAME - ****

PLOT DATE : 8/30/2016 9:35 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



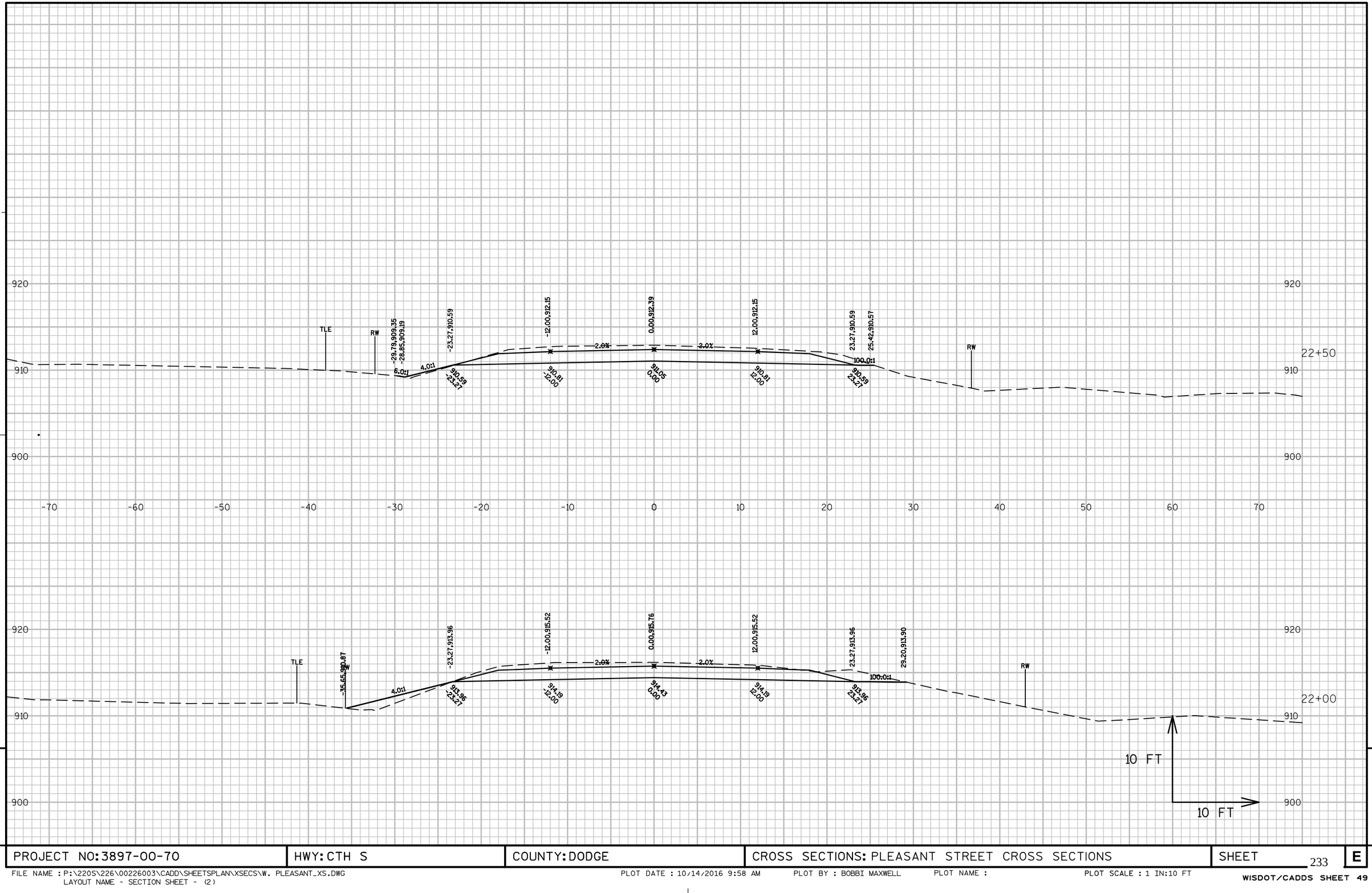
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 232	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 10/14/2016 9:58 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

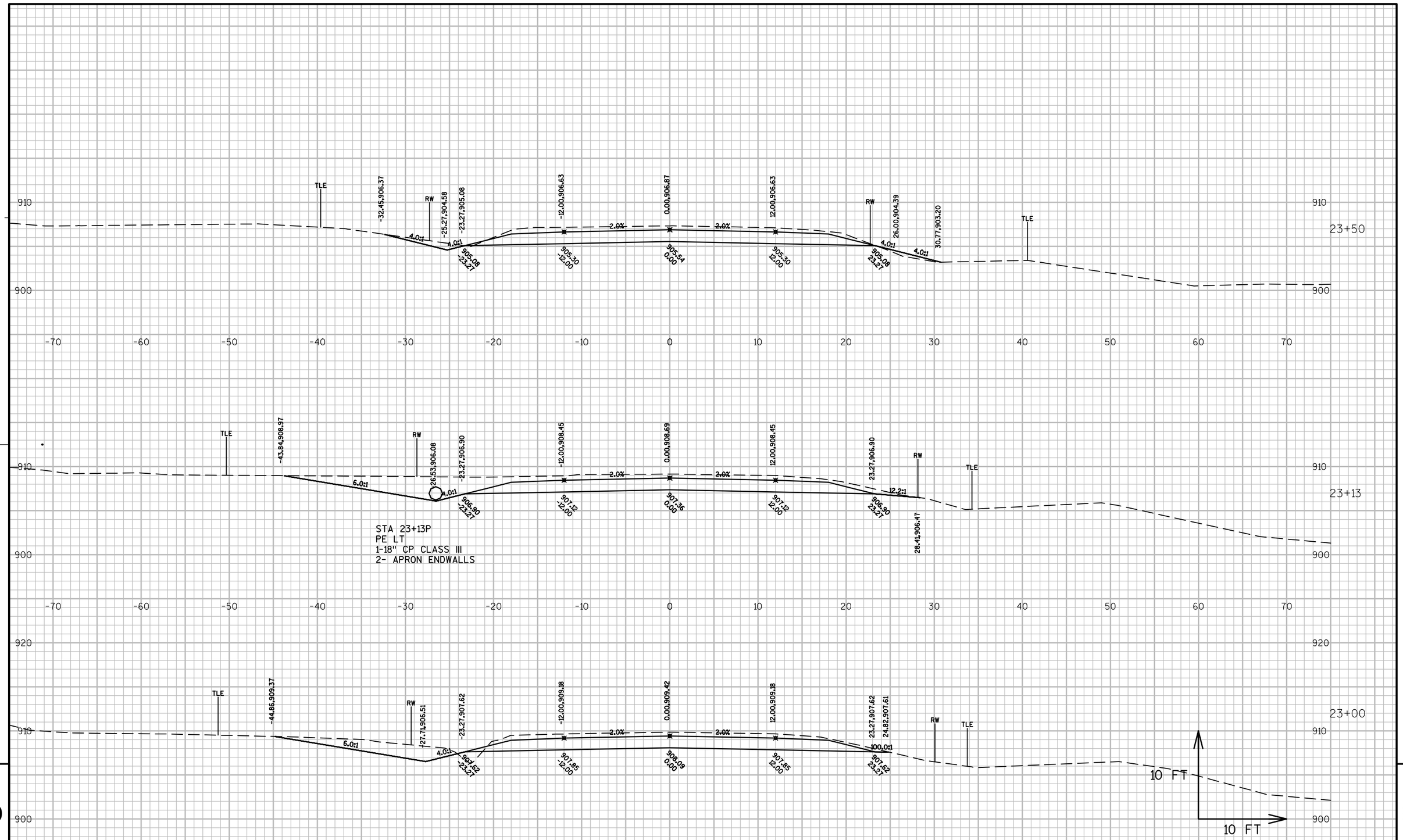
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 233	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 10/14/2016 9:58 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



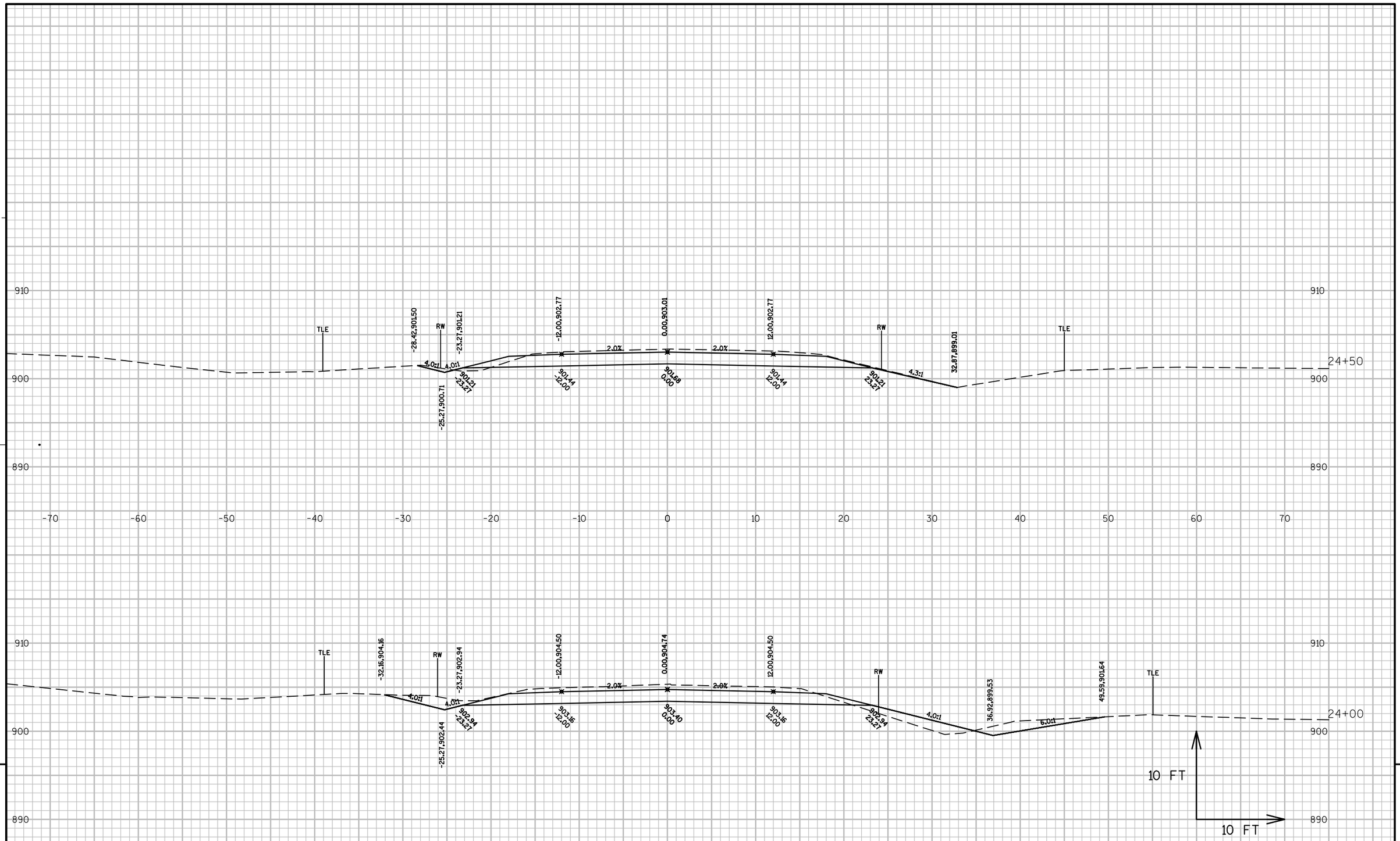
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 234	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 10/14/2016 9:58 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

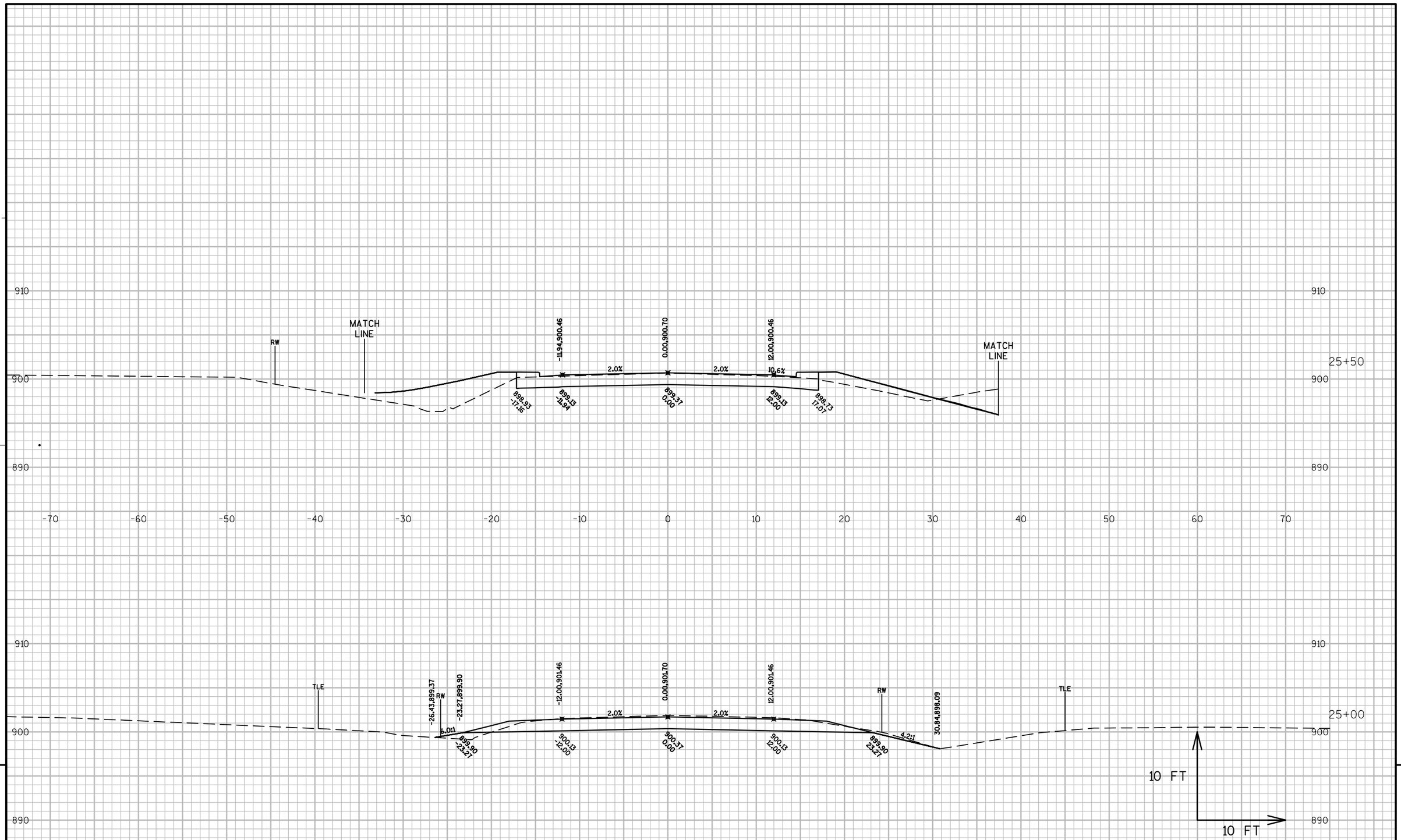
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 235	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 10/14/2016 9:58 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

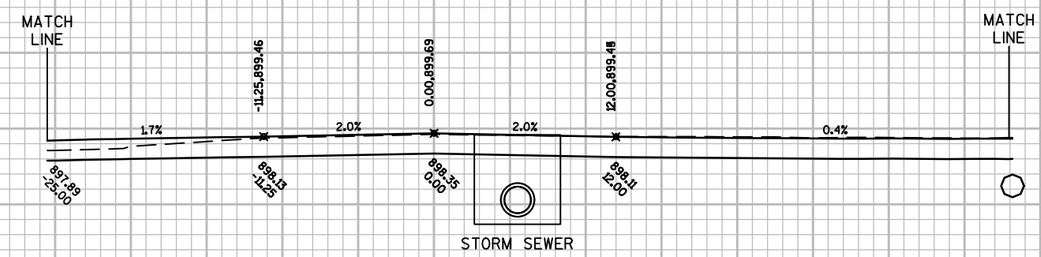
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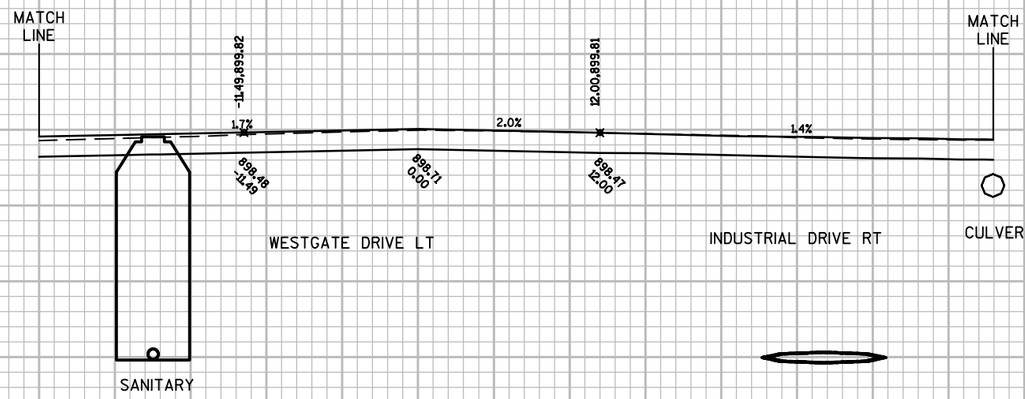
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 236	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 10/14/2016 9:59 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49





9

9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 237	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (6)

PLOT DATE : 10/14/2016 9:59 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 238	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (7)

PLOT DATE : 10/14/2016 9:59 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

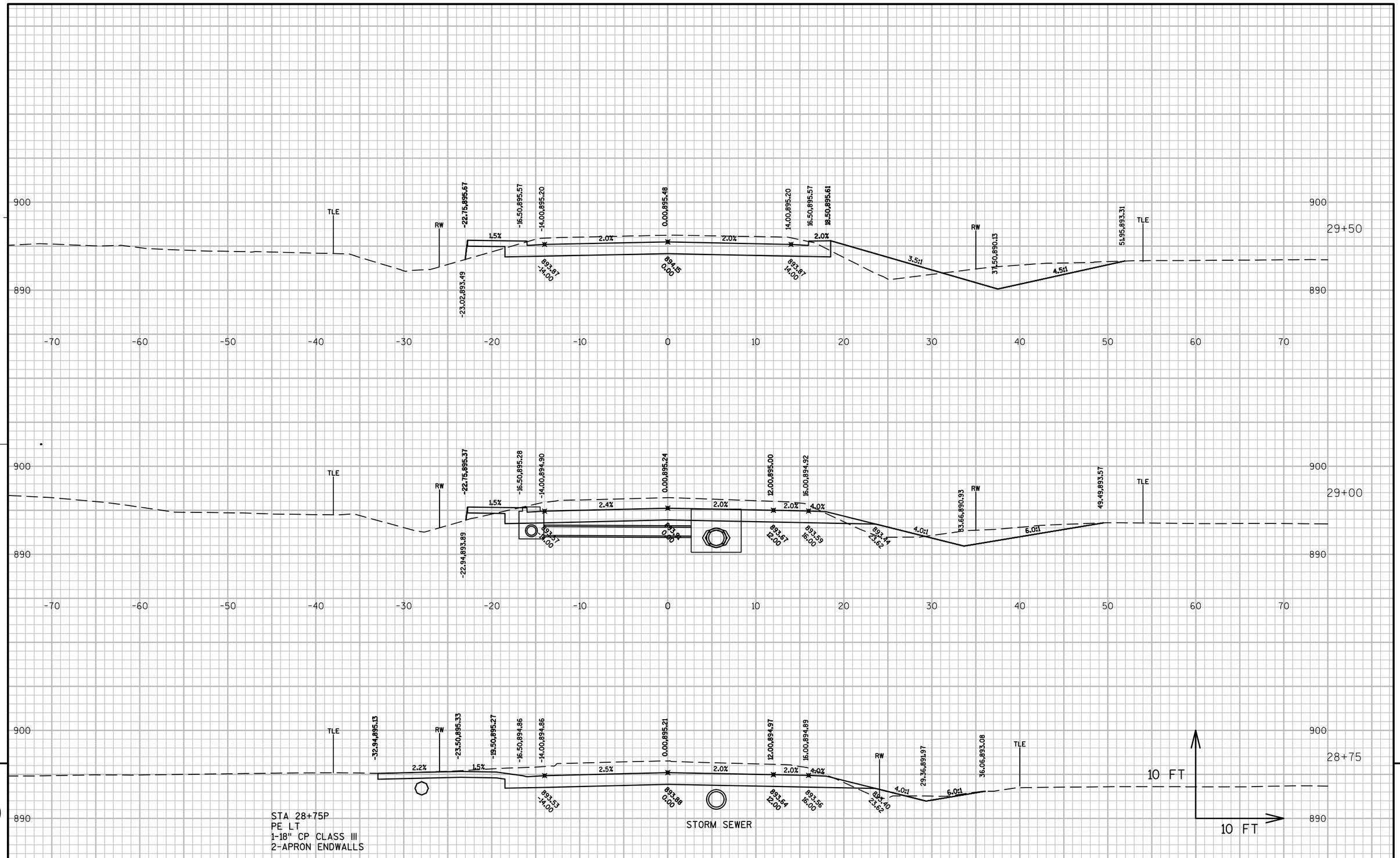
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 239	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (8)

PLOT DATE : 10/14/2016 9:59 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



STA 28+75P
PE LT
1-18" CP CLASS III
2-APRON ENDWALLS

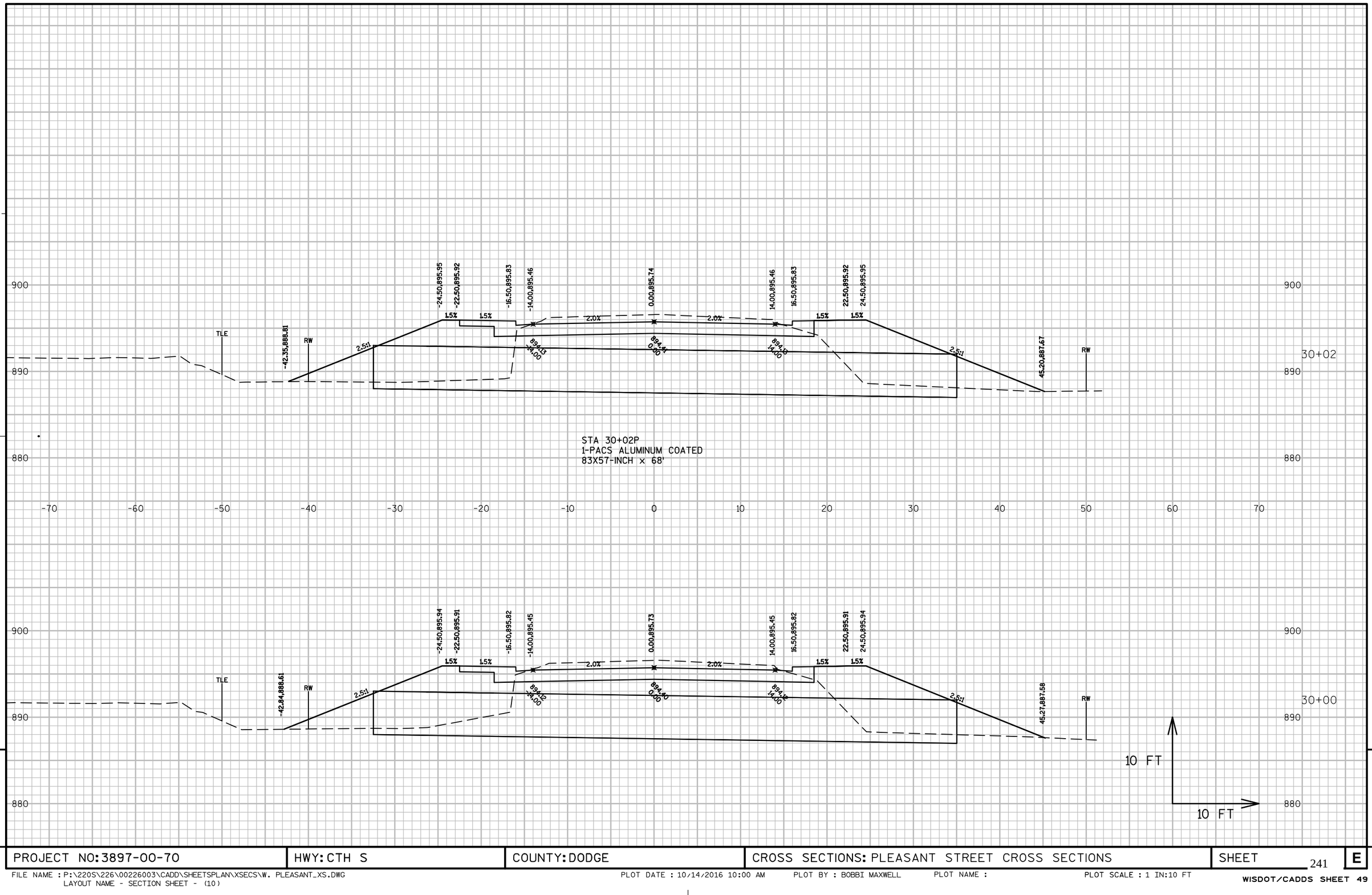
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9

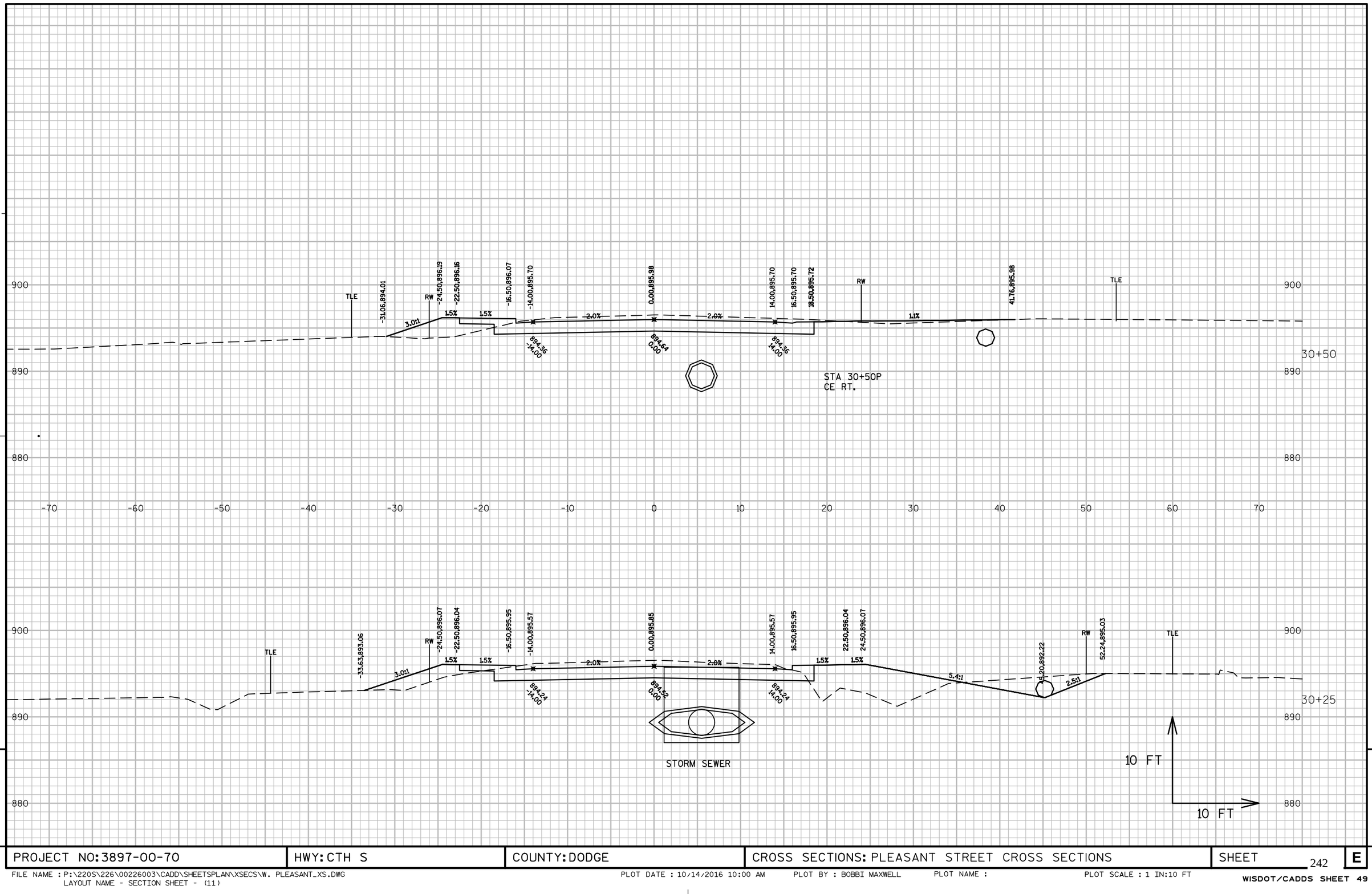
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 240	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (9)

PLOT DATE : 10/14/2016 9:59 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 241	E



9

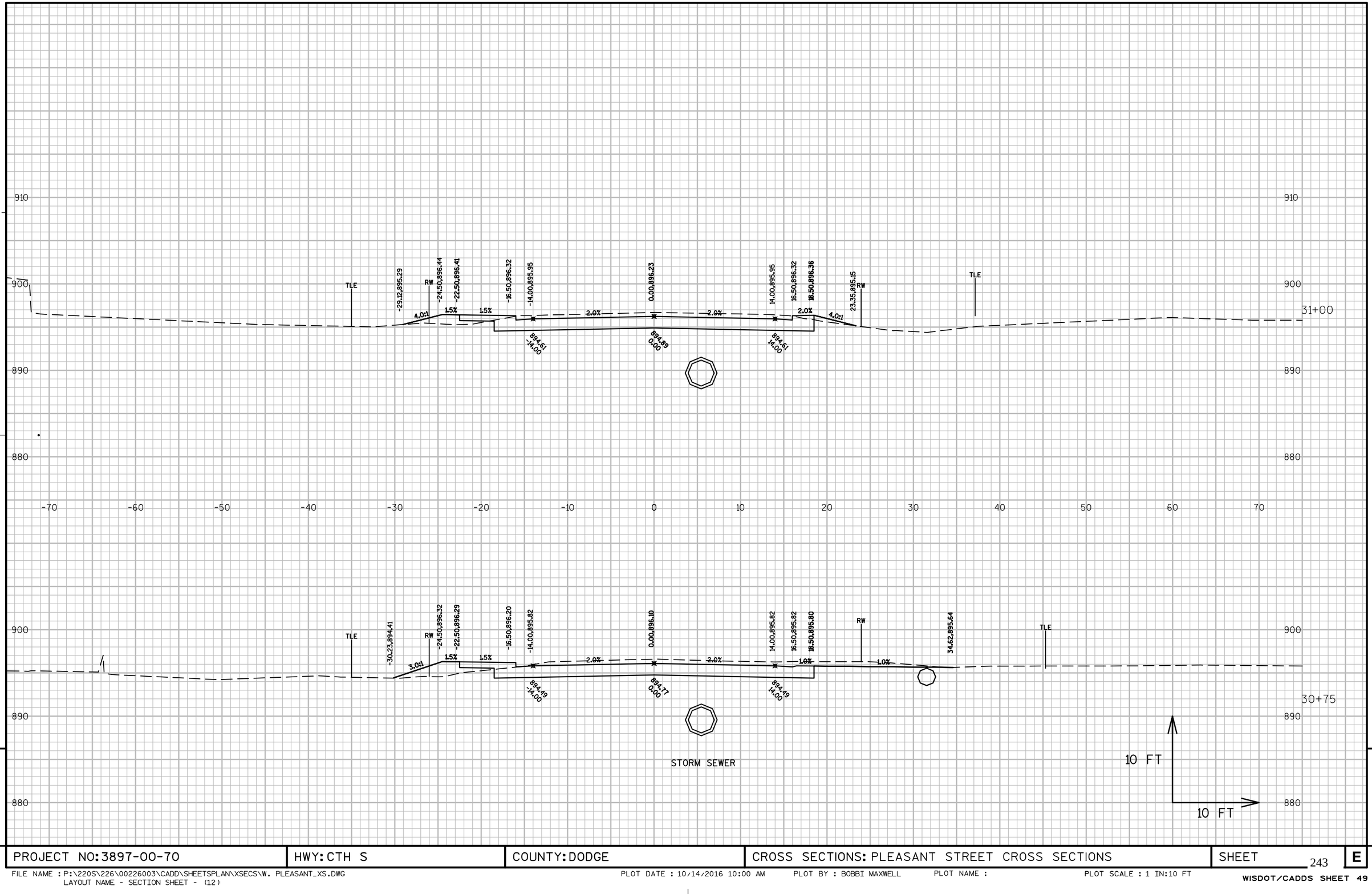
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 242	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (11)

PLOT DATE : 10/14/2016 10:00 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

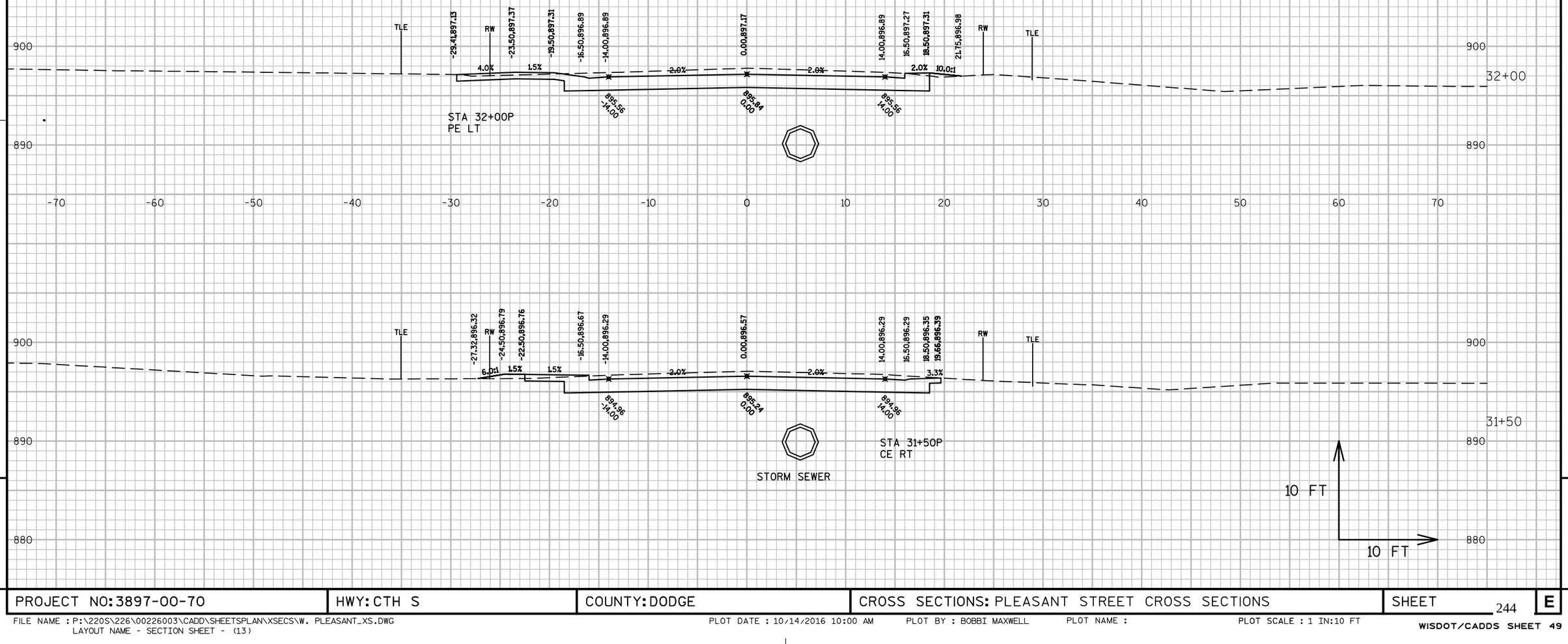


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 243	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (12)

PLOT DATE : 10/14/2016 10:00 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

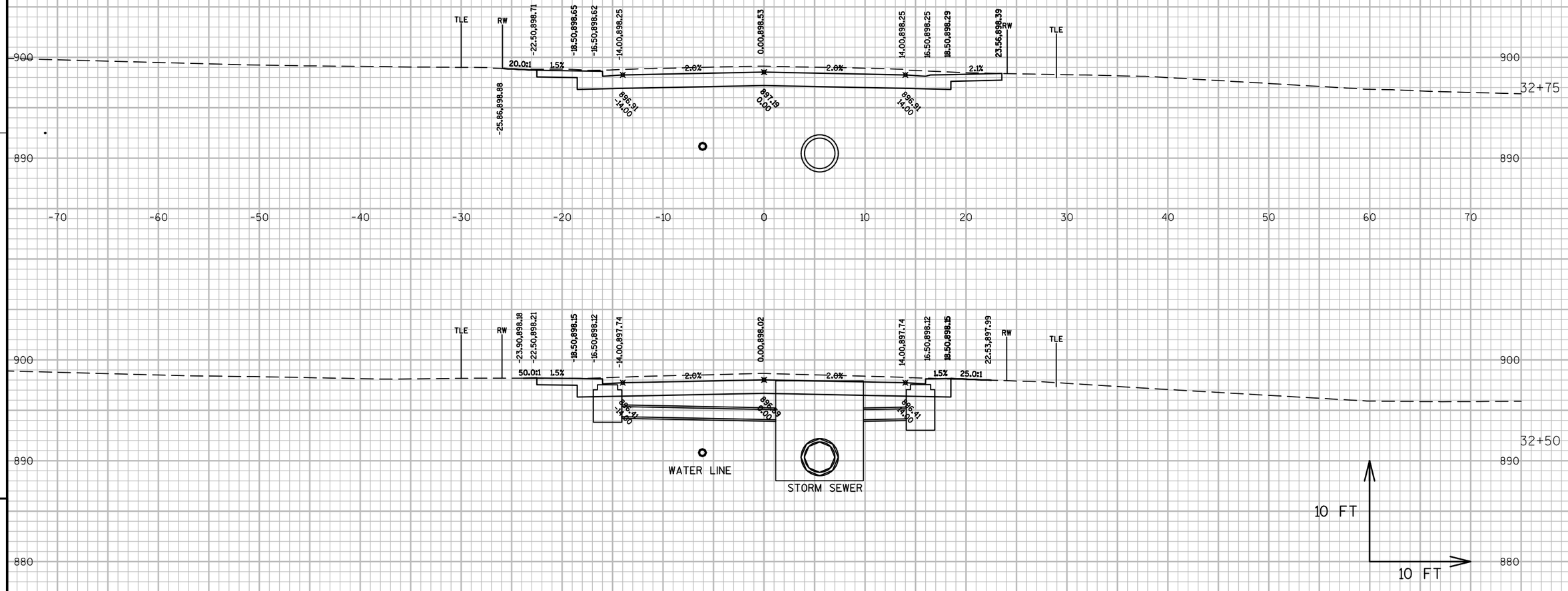


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 244	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (13)

PLOT DATE : 10/14/2016 10:00 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

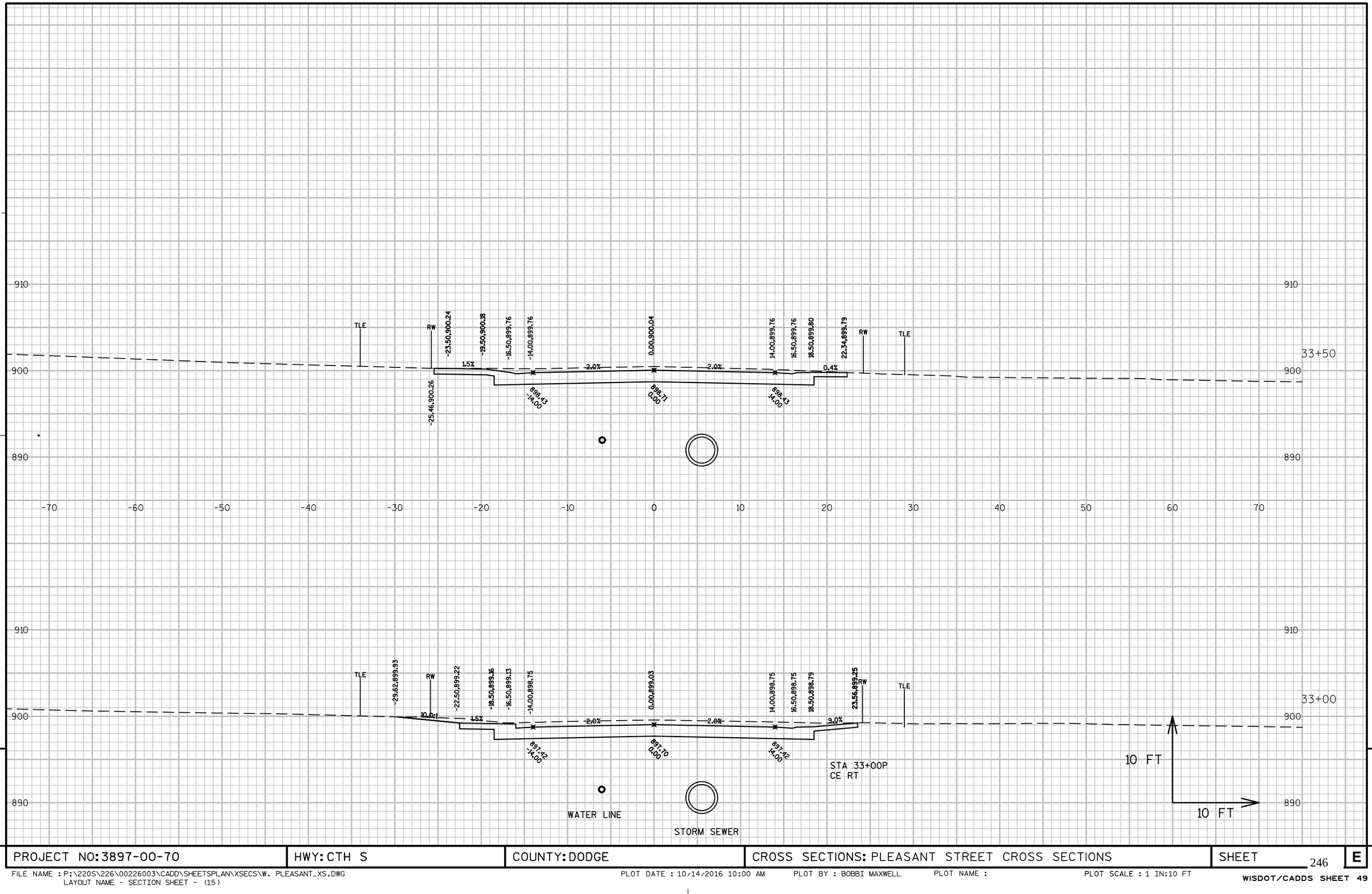
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 245	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (14)

PLOT DATE : 10/14/2016 10:00 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



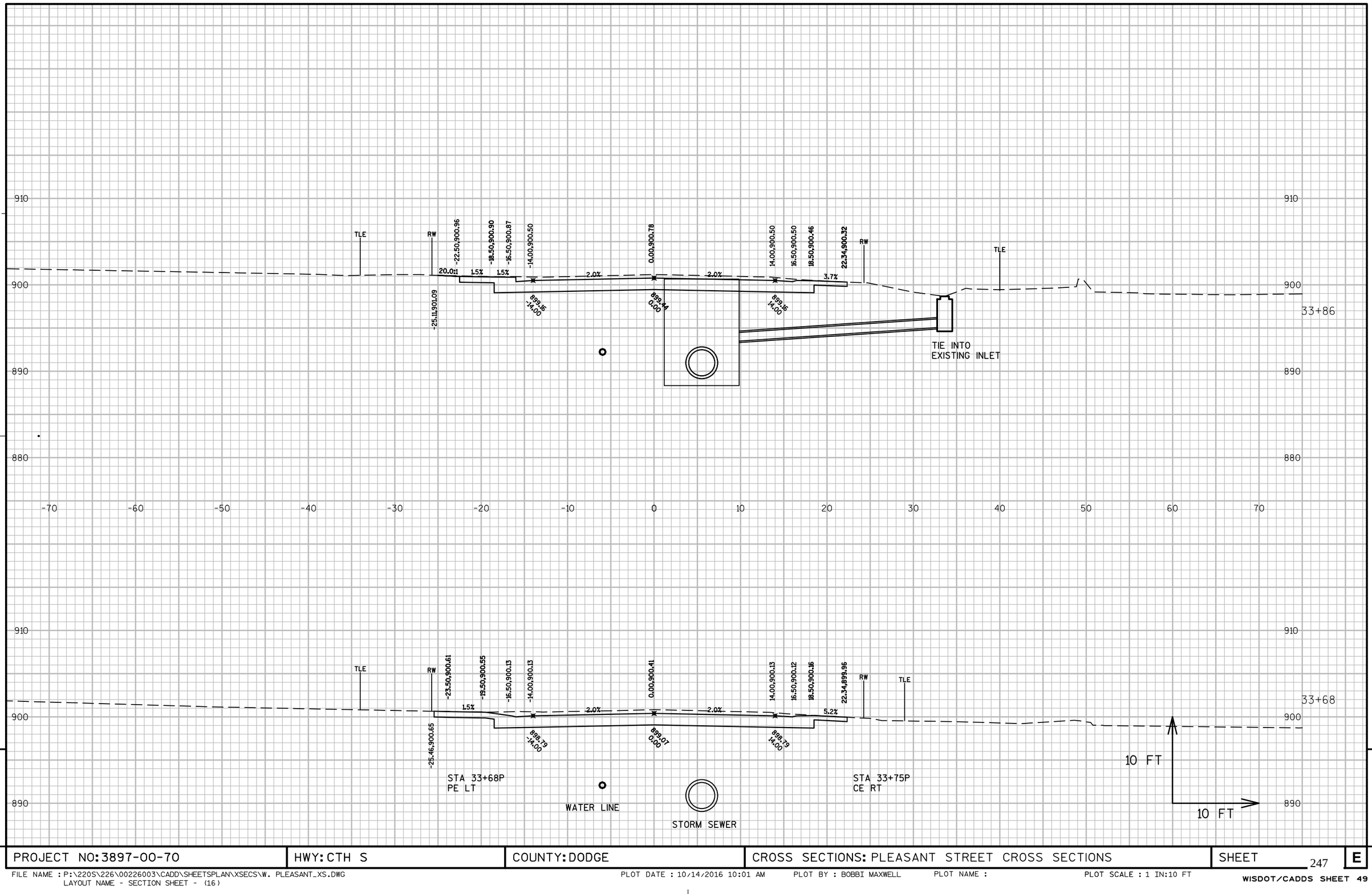
9 9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 246	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (15)

PLOT DATE : 10/14/2016 10:00 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

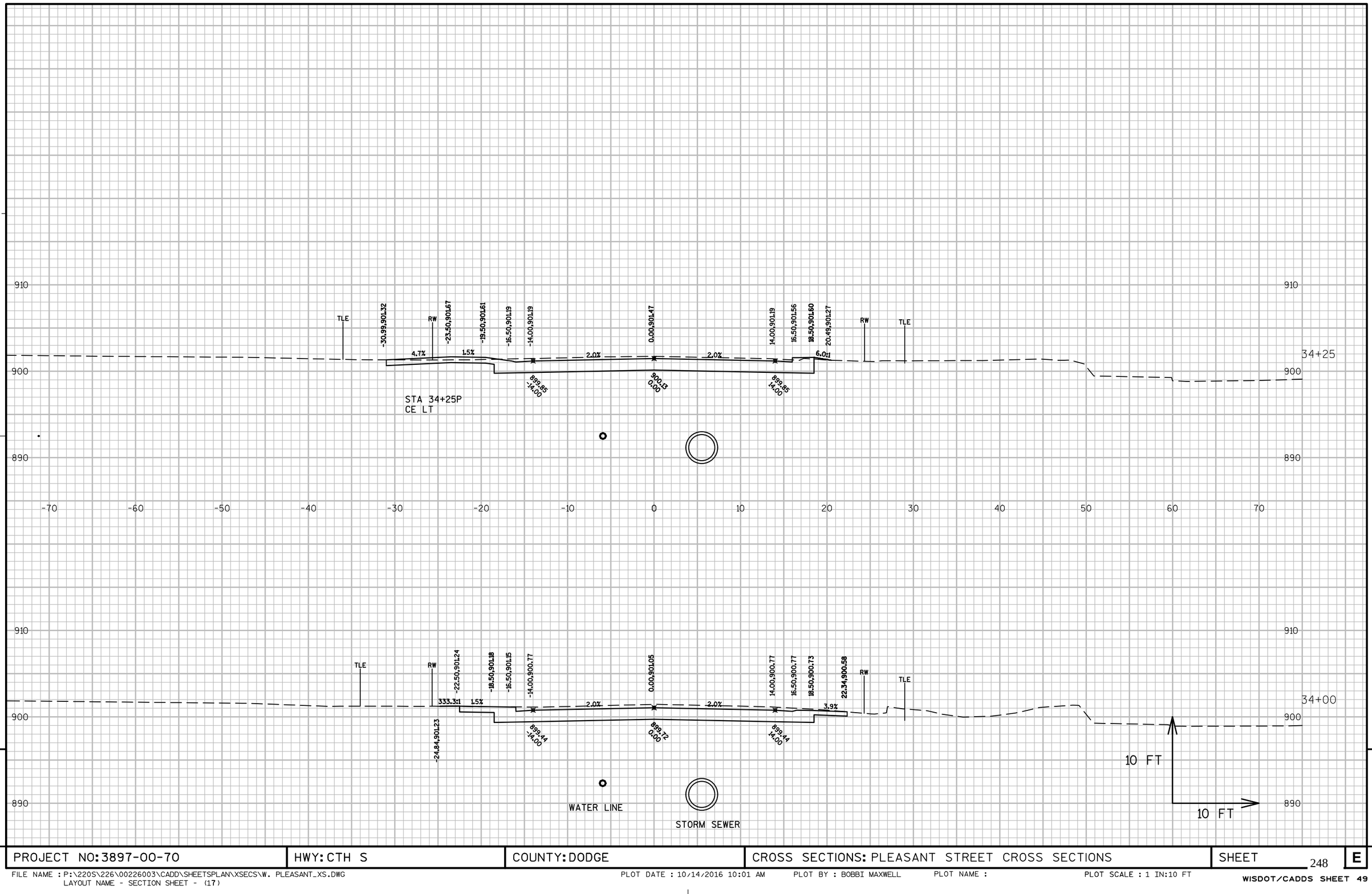


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 247	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (16)

PLOT DATE : 10/14/2016 10:01 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

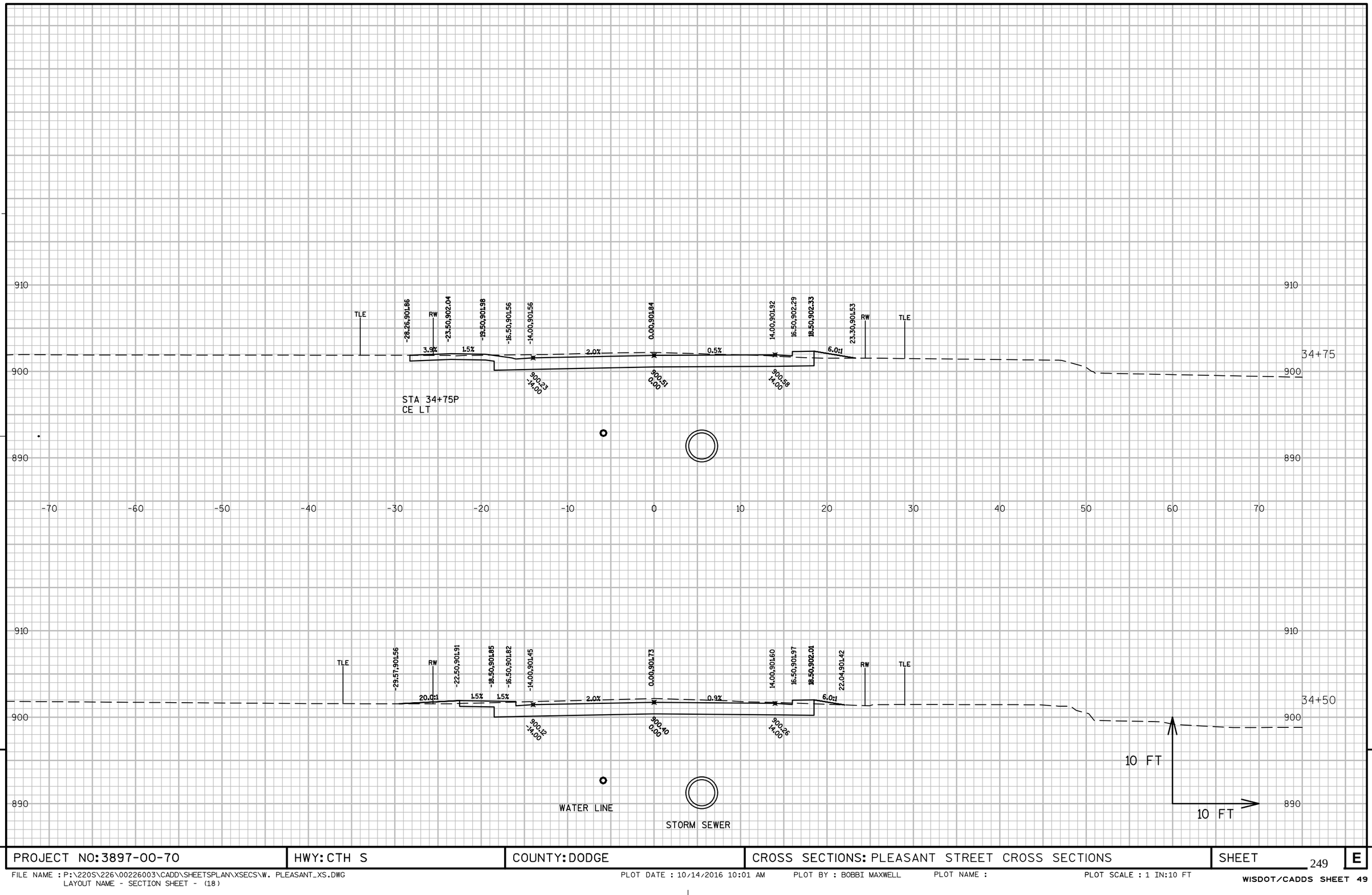


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 248	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 10/14/2016 10:01 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

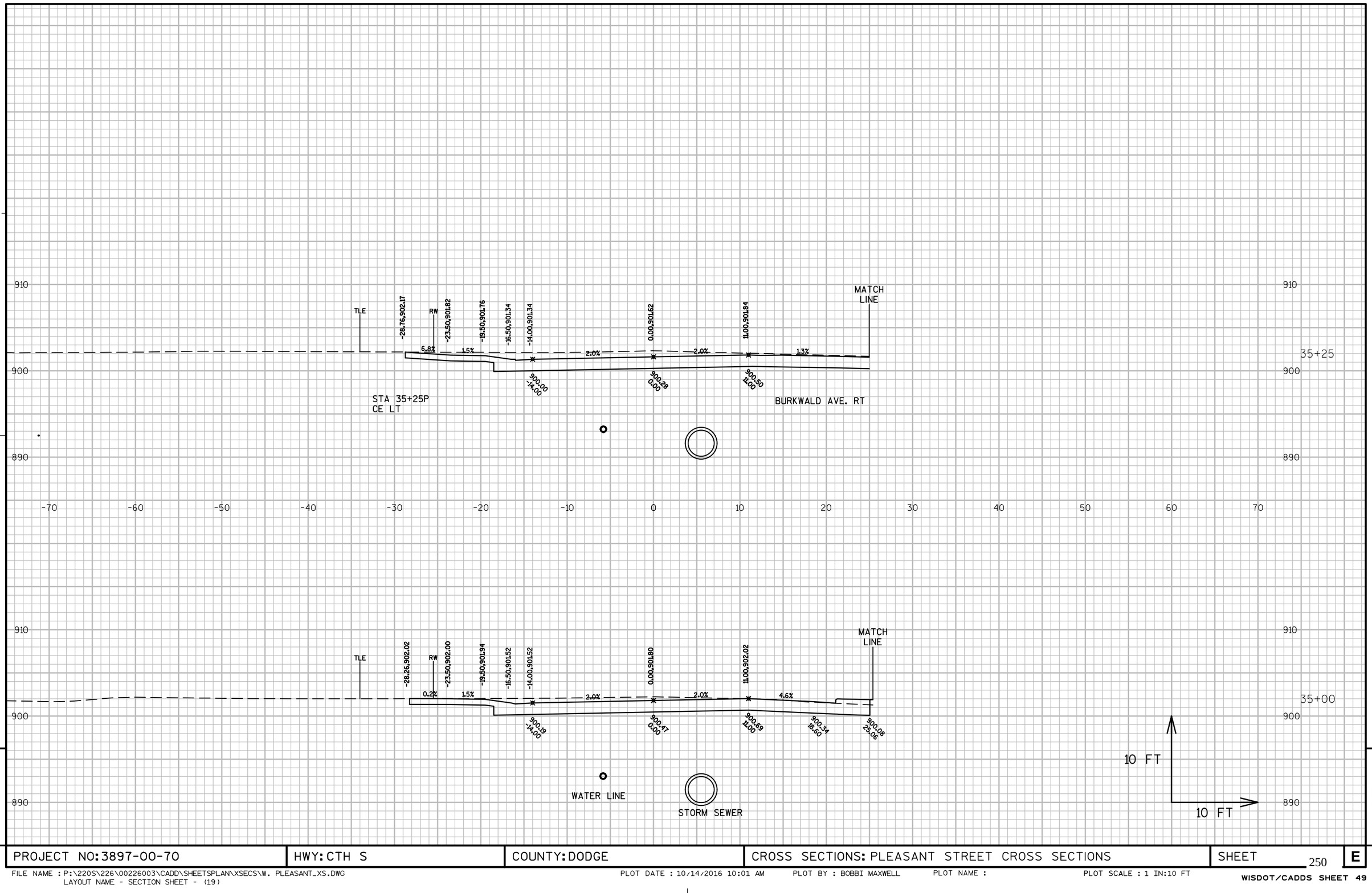
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 249	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (18)

PLOT DATE : 10/14/2016 10:01 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

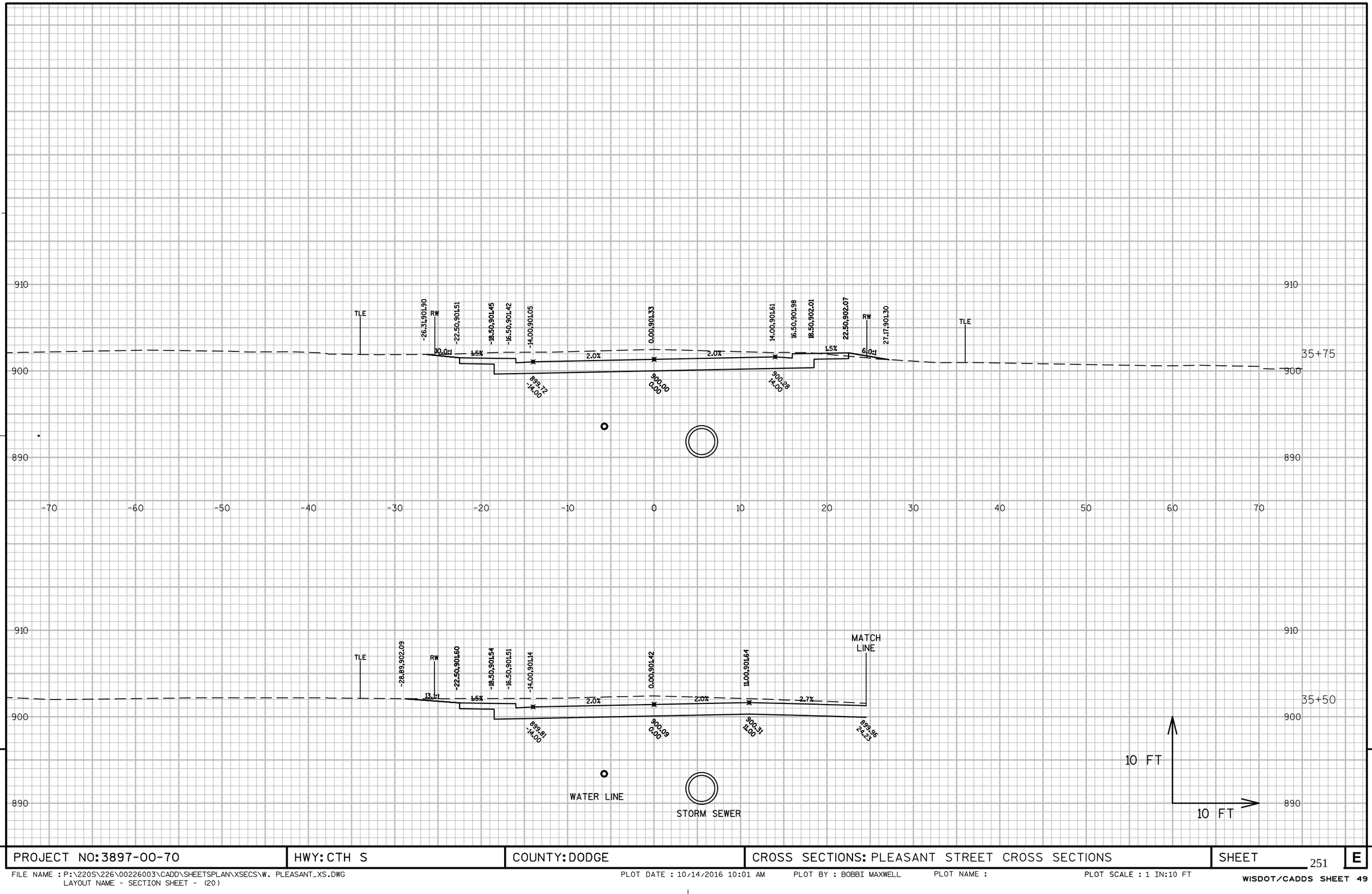
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 250	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (19)

PLOT DATE : 10/14/2016 10:01 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

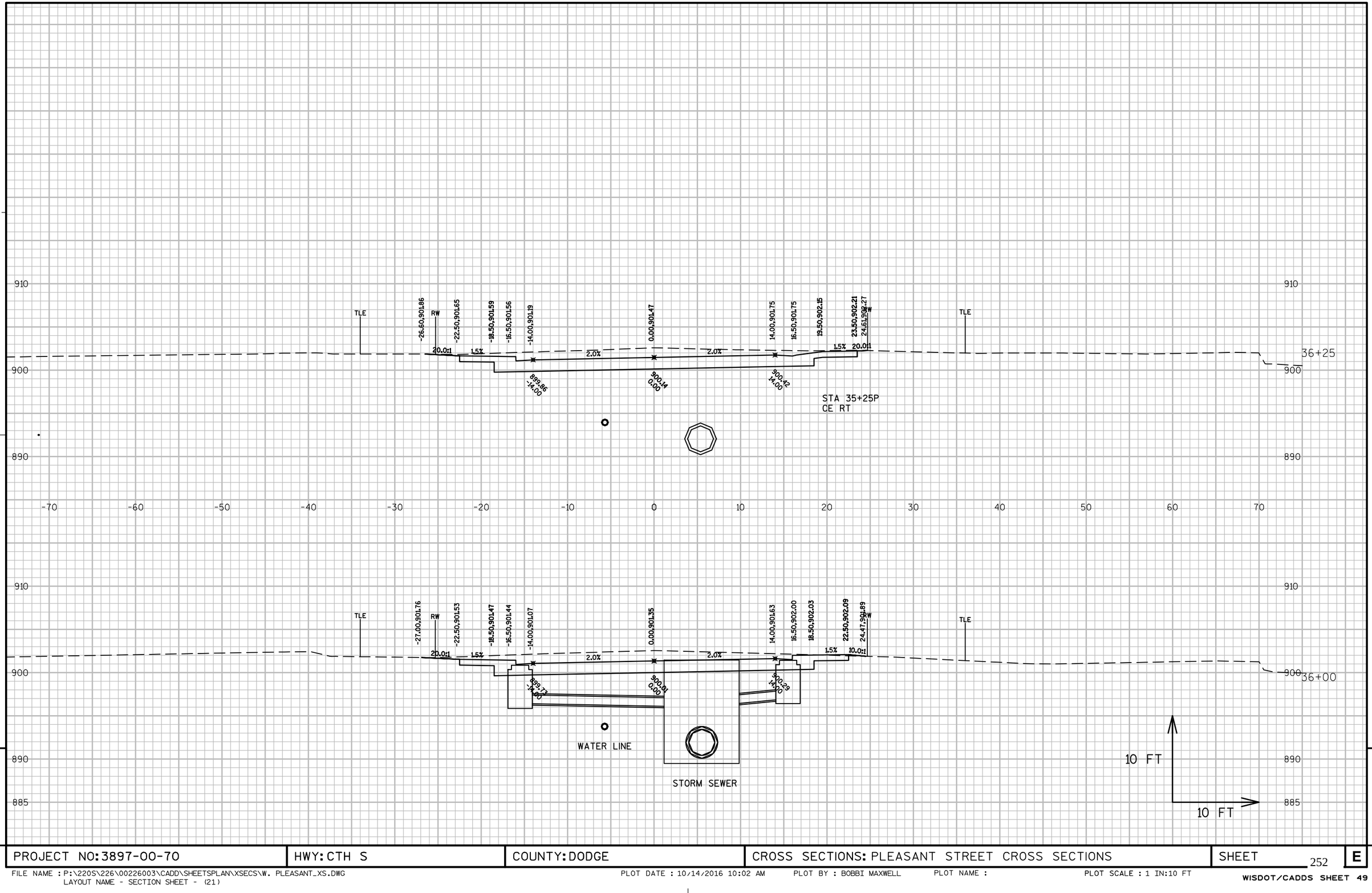


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 251	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (20)

PLOT DATE : 10/14/2016 10:01 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

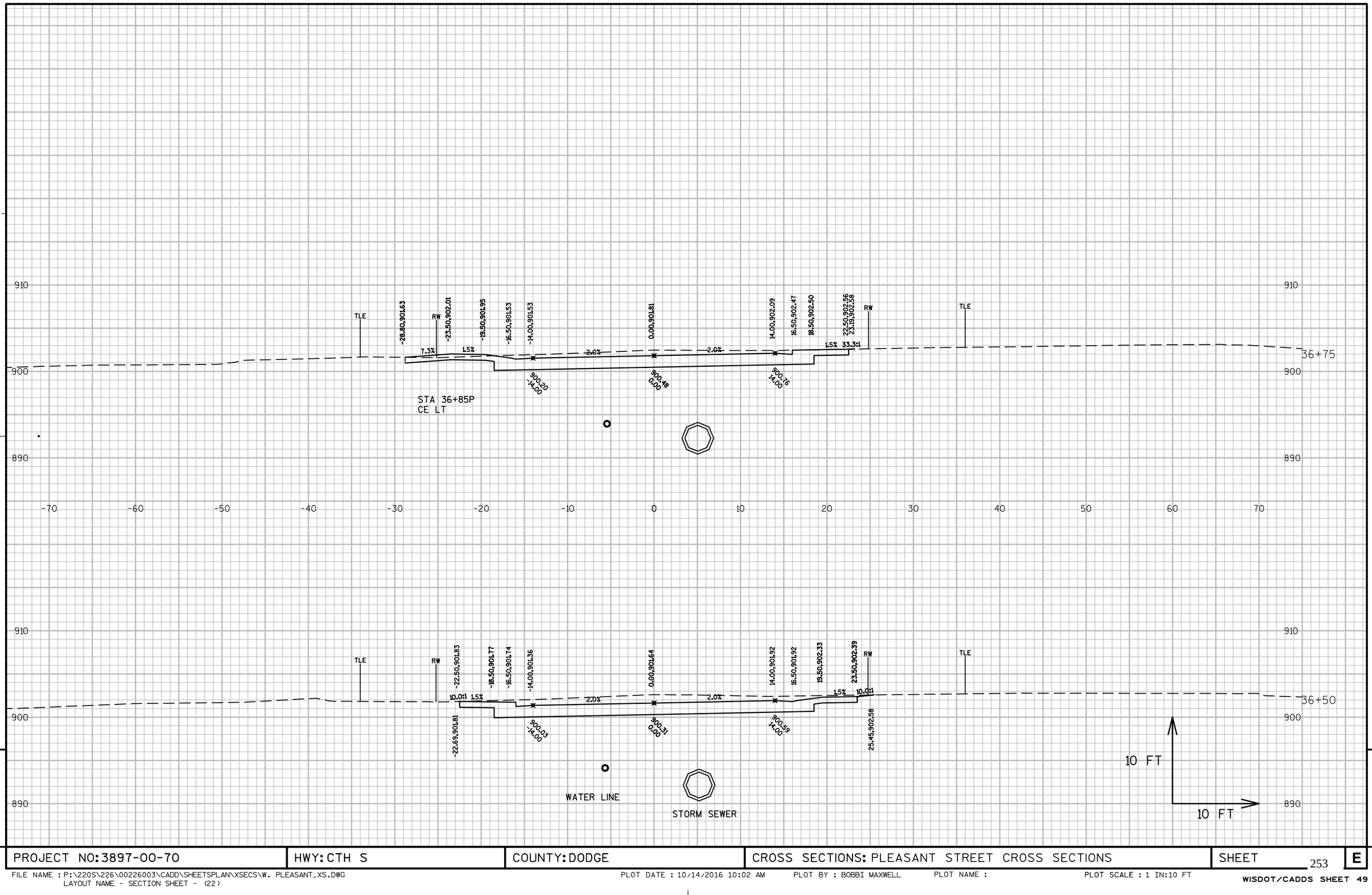
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 252	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (21)

PLOT DATE : 10/14/2016 10:02 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

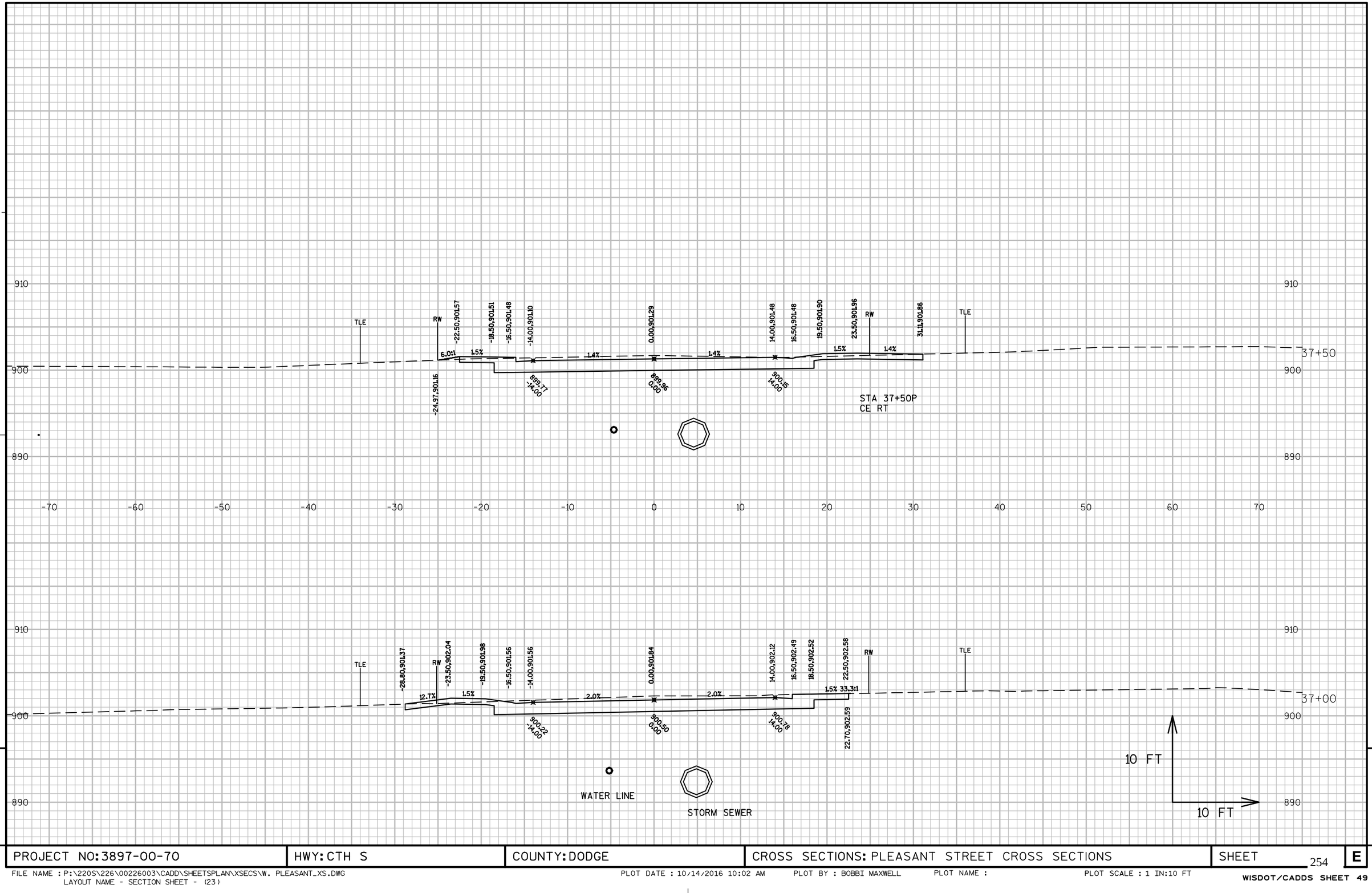
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 253	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (22)

PLOT DATE : 10/14/2016 10:02 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

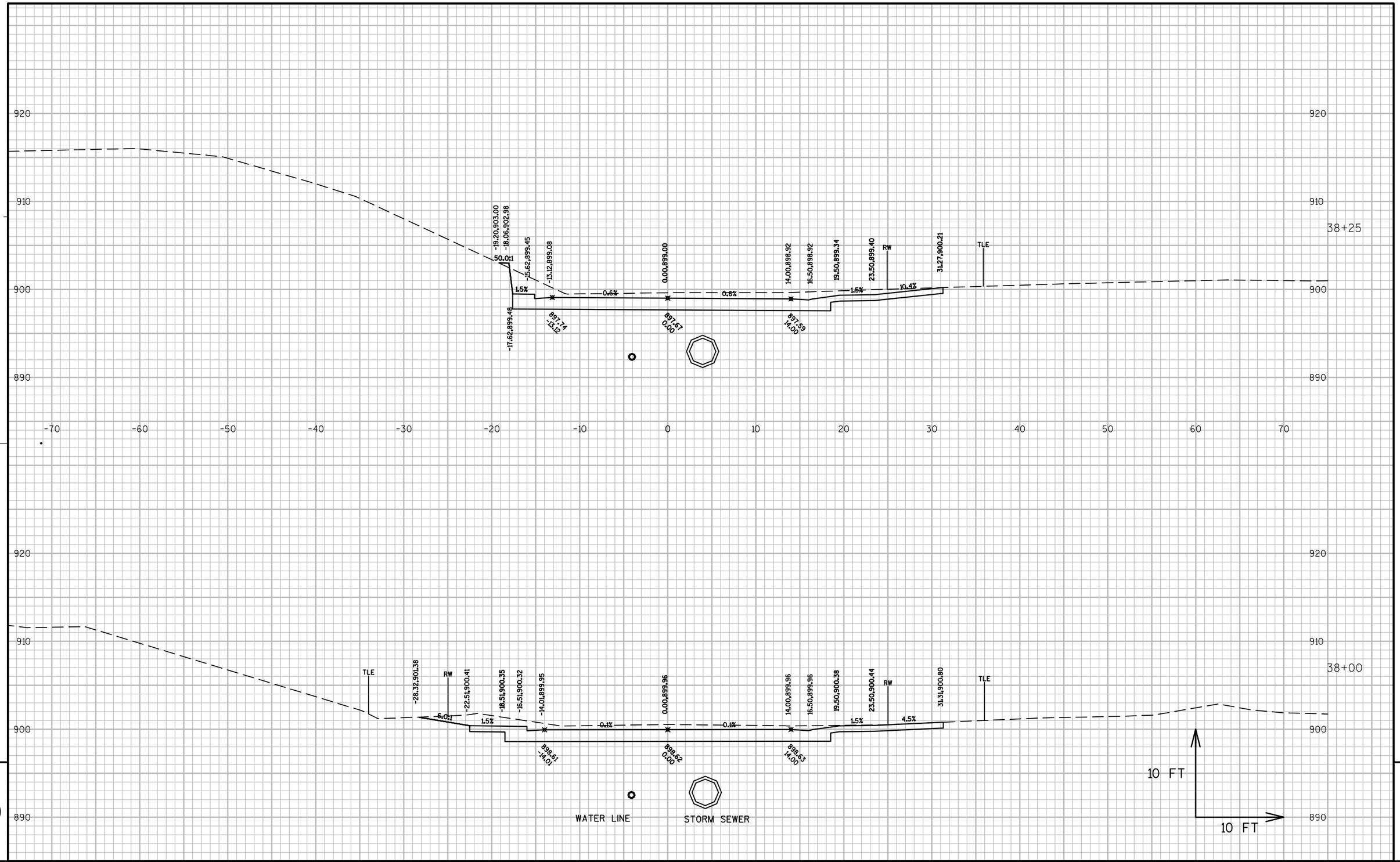


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 254	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (23)

PLOT DATE : 10/14/2016 10:02 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

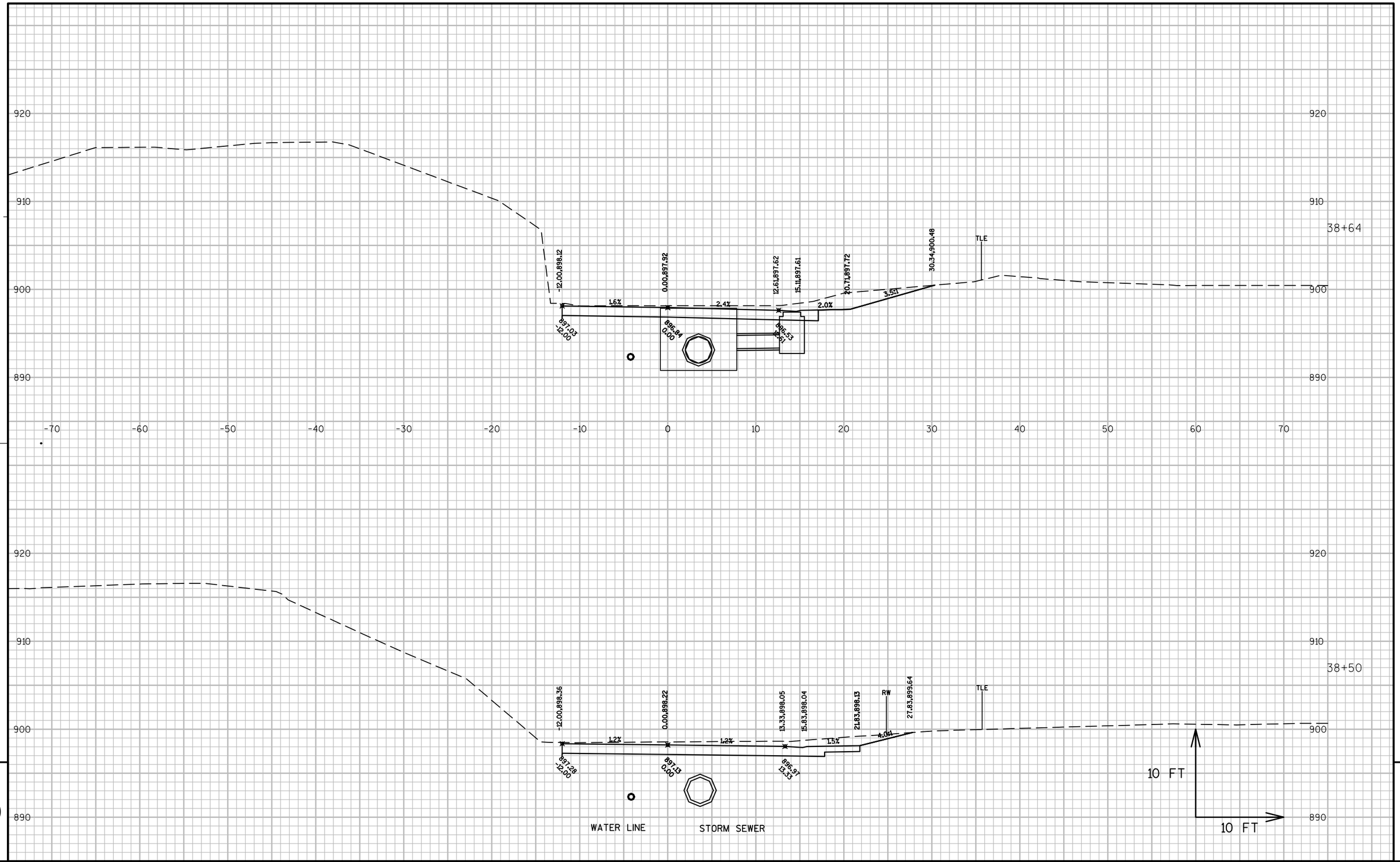
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 255	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (24)

PLOT DATE : 10/14/2016 10:02 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

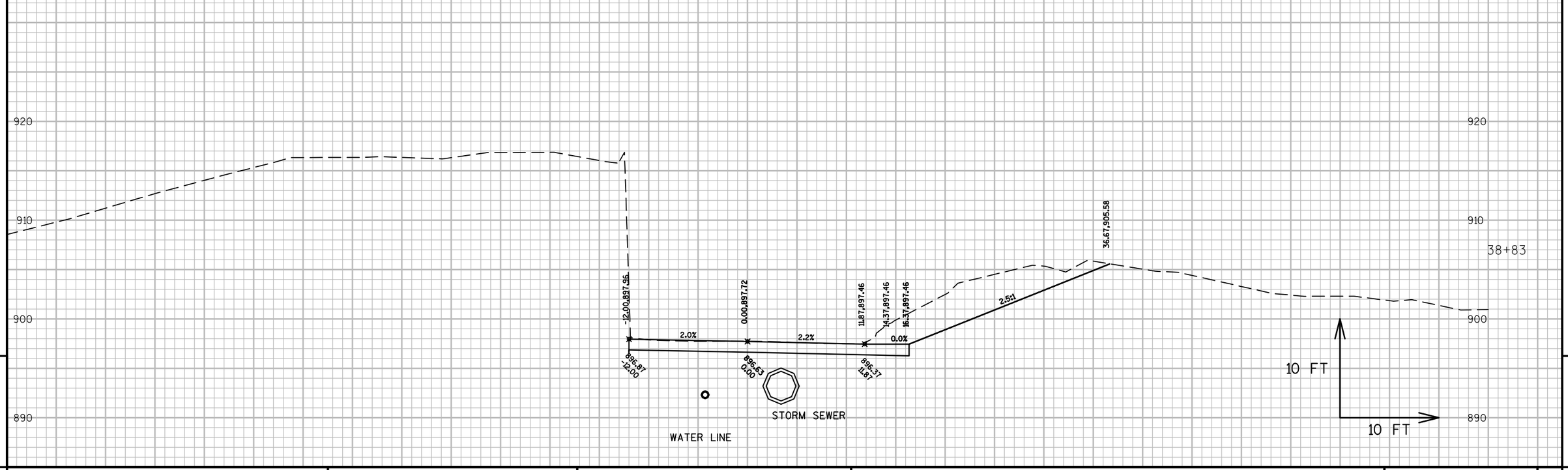
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 256	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (25)

PLOT DATE : 10/14/2016 10:02 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

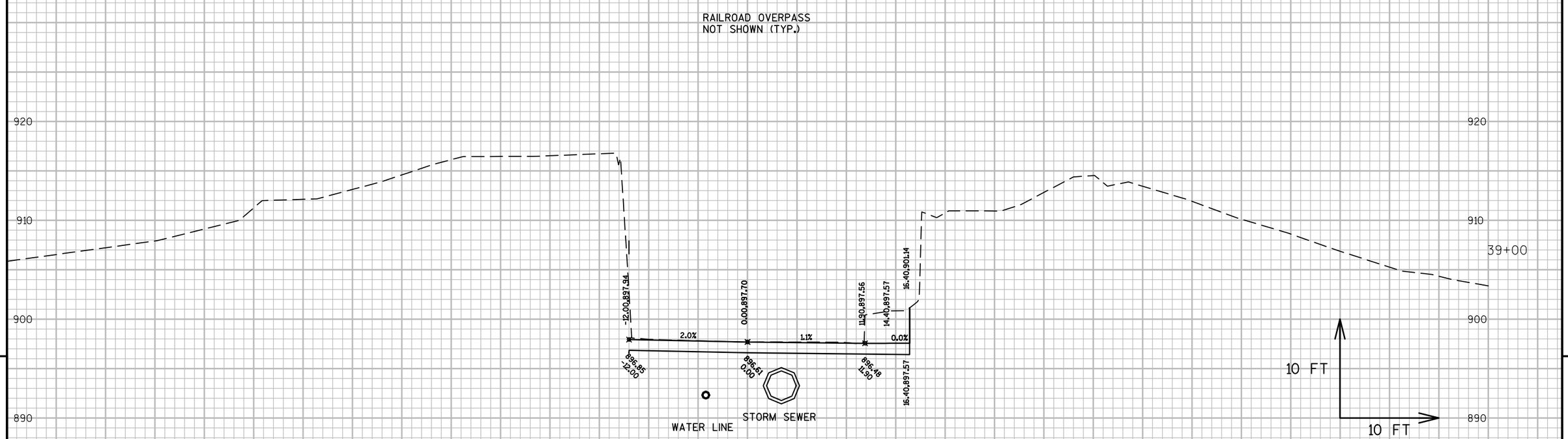
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 257	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (26)

PLOT DATE : 10/14/2016 10:03 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

RAILROAD OVERPASS
NOT SHOWN (TYP.)

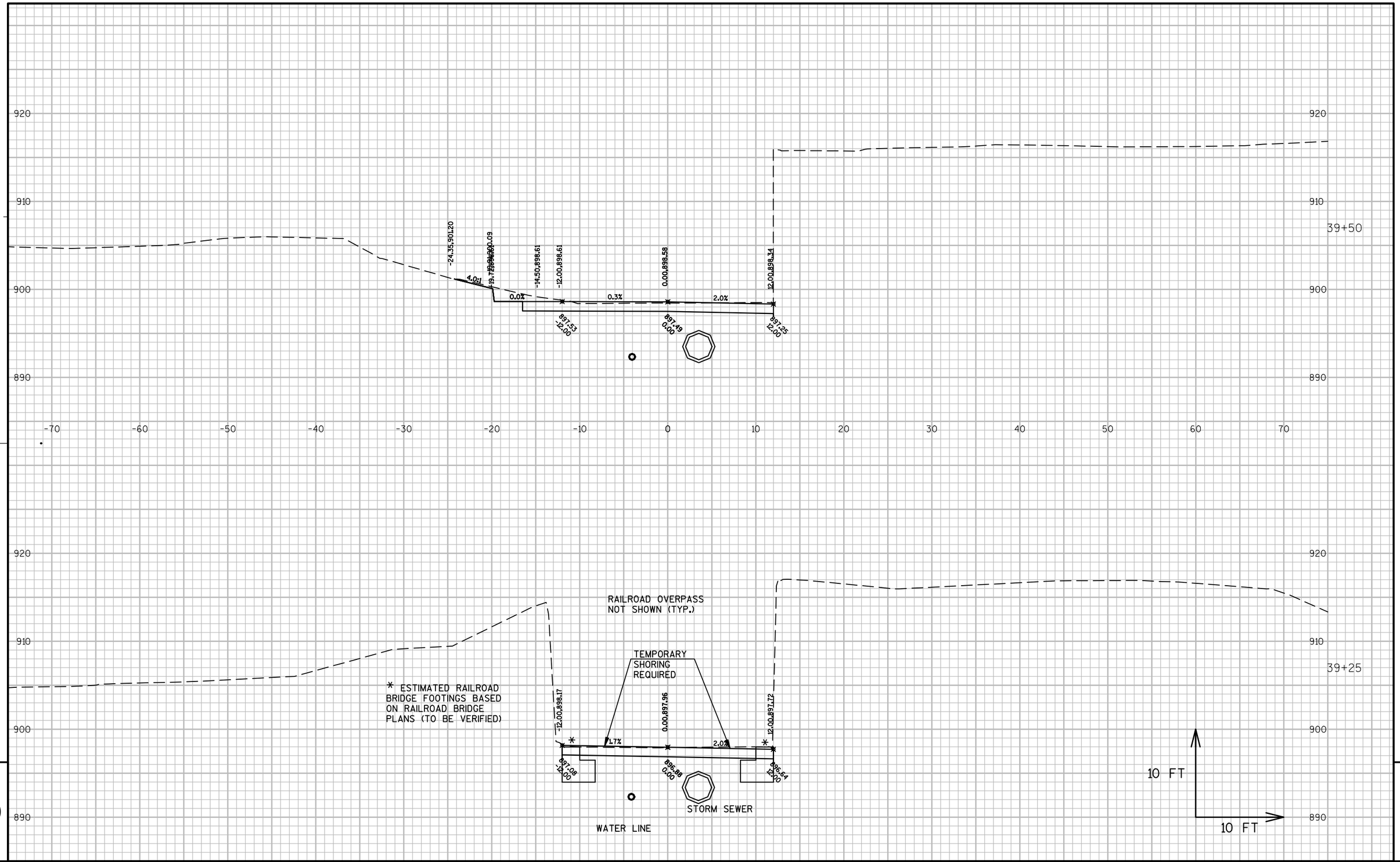


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 258	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (27)

PLOT DATE : 10/14/2016 10:03 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

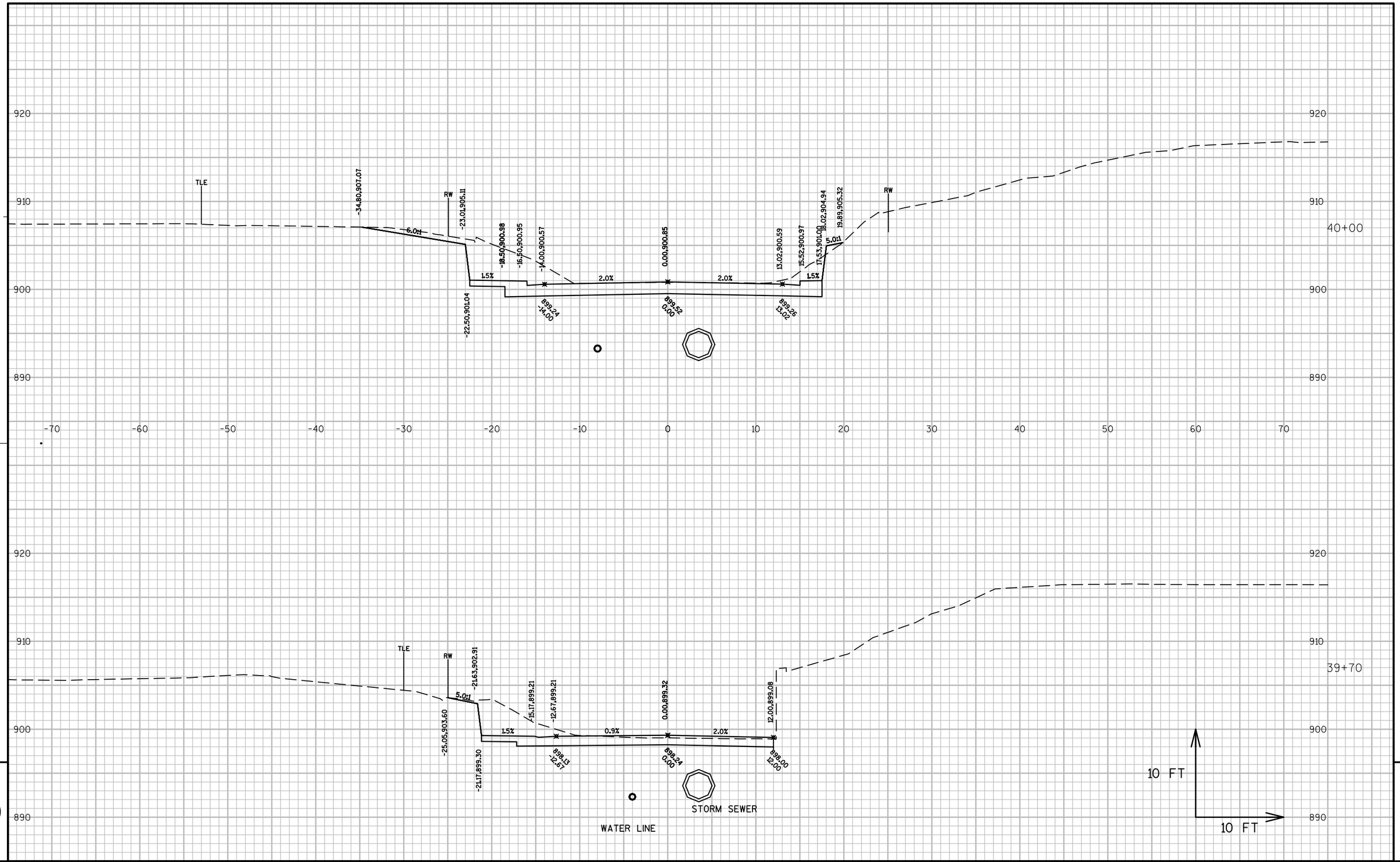
WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 259	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (28)
PLOT DATE : 10/14/2016 10:03 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



9

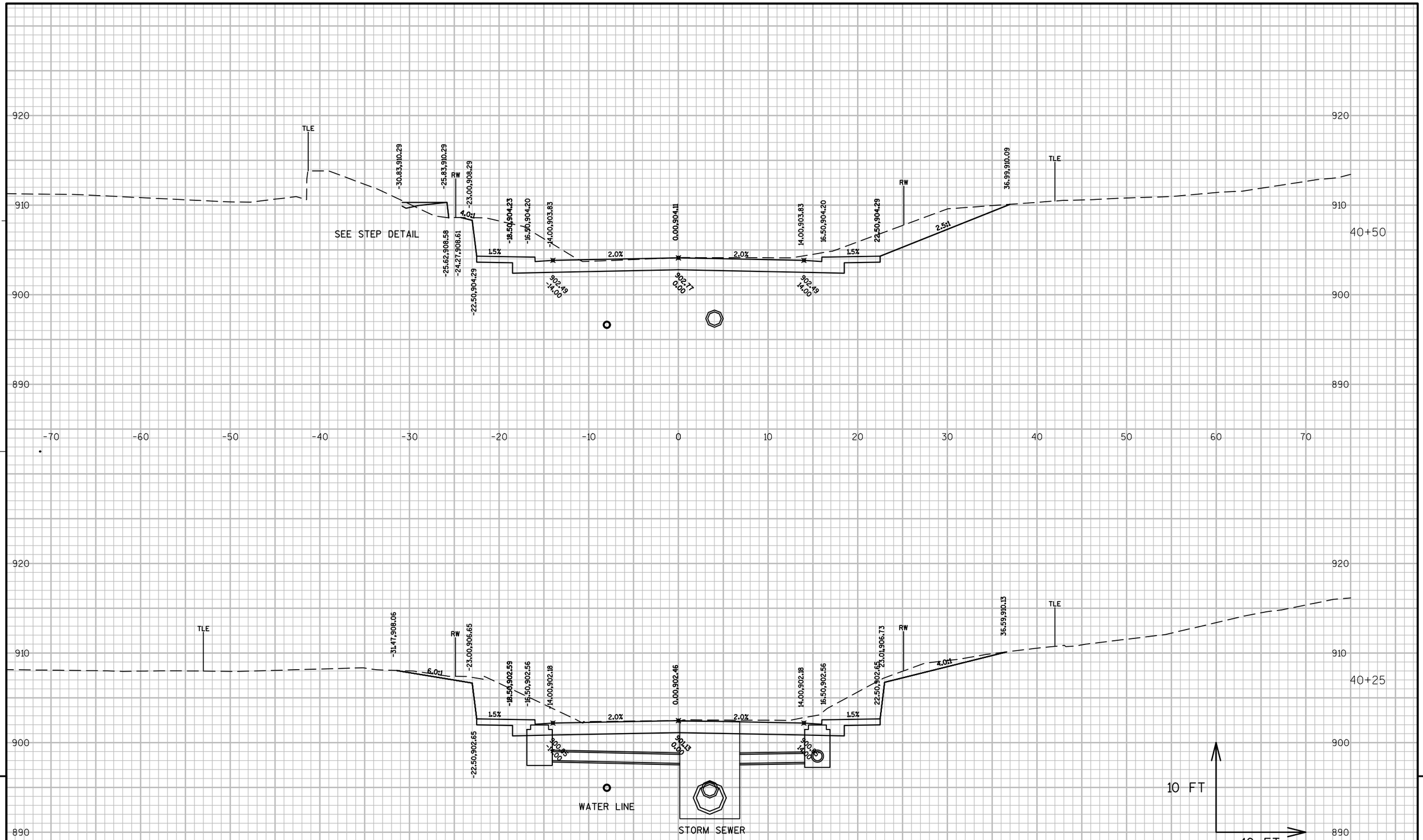
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 260	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (29)

PLOT DATE : 10/14/2016 10:03 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

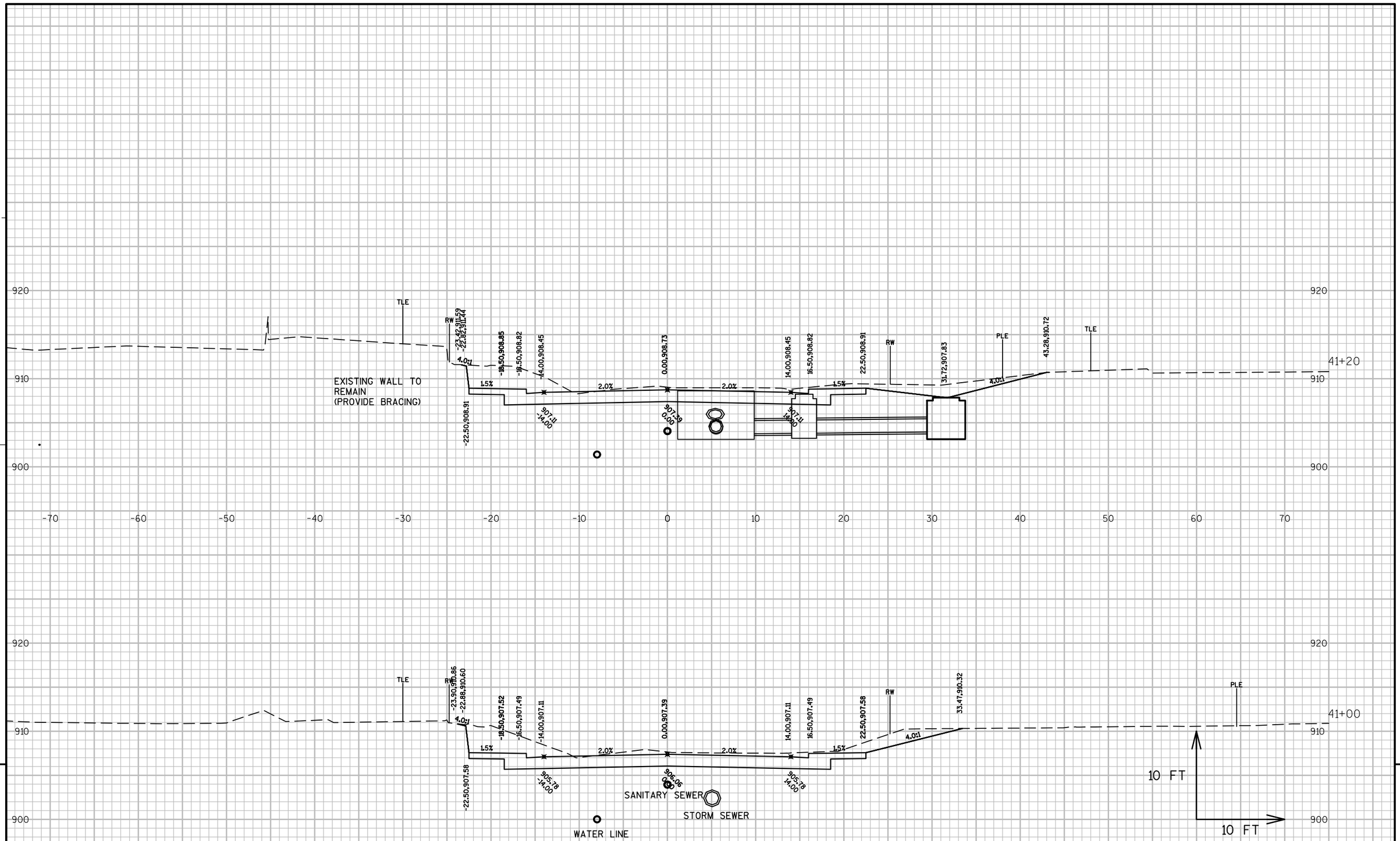
9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 261	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (30)

PLOT DATE : 10/14/2016 10:03 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

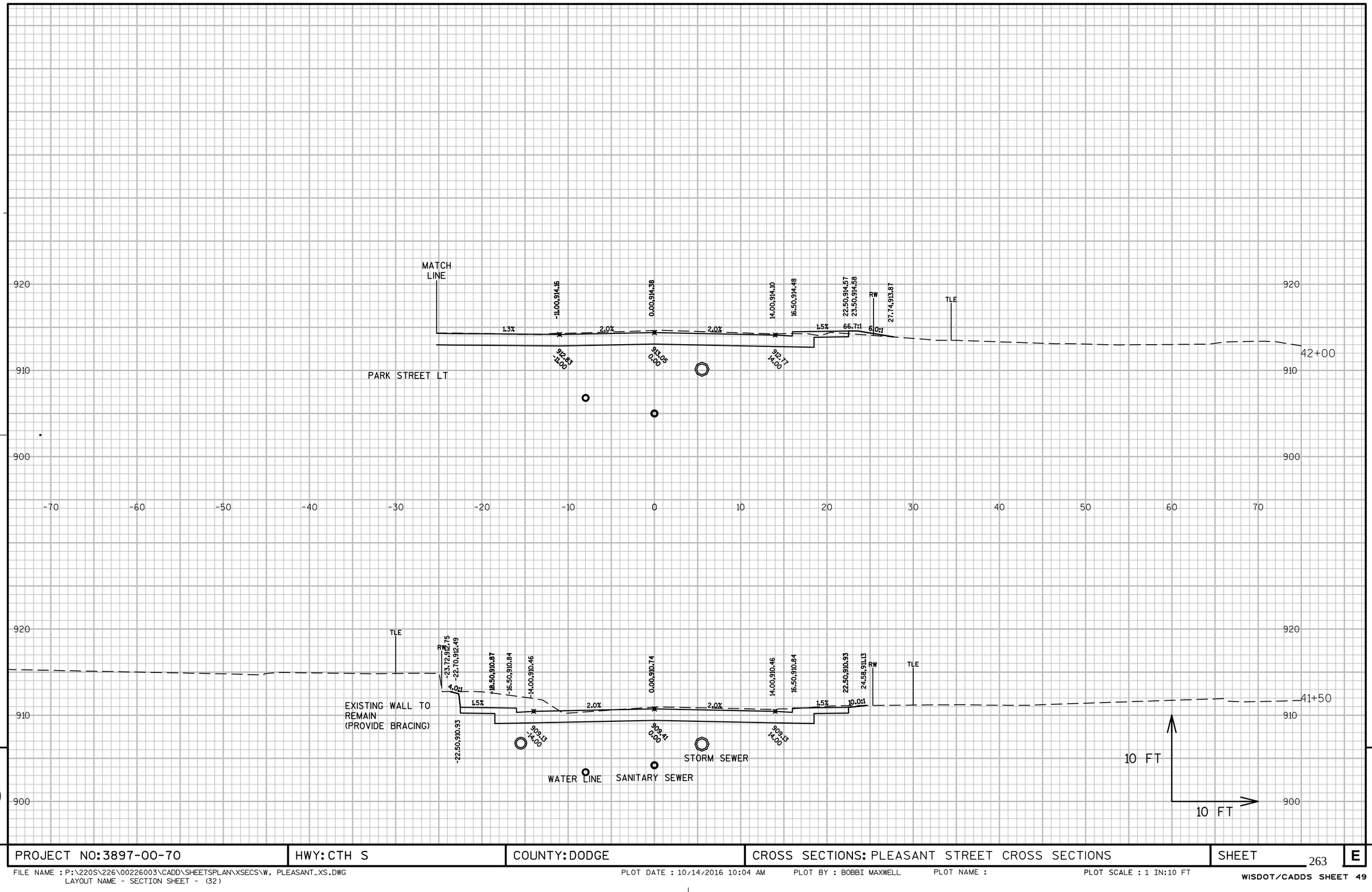
9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 262	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (31)

PLOT DATE : 10/14/2016 10:03 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



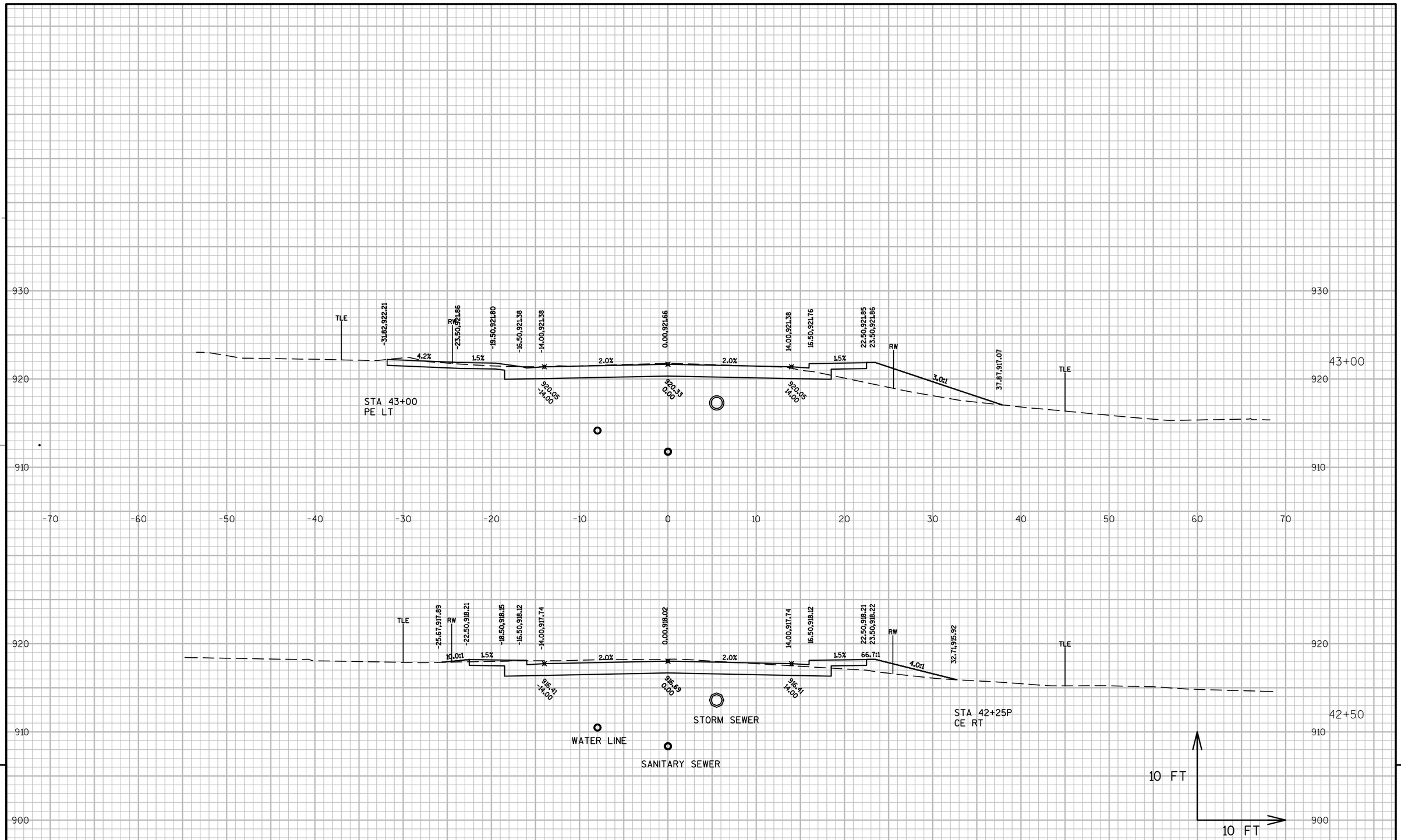
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 263	E

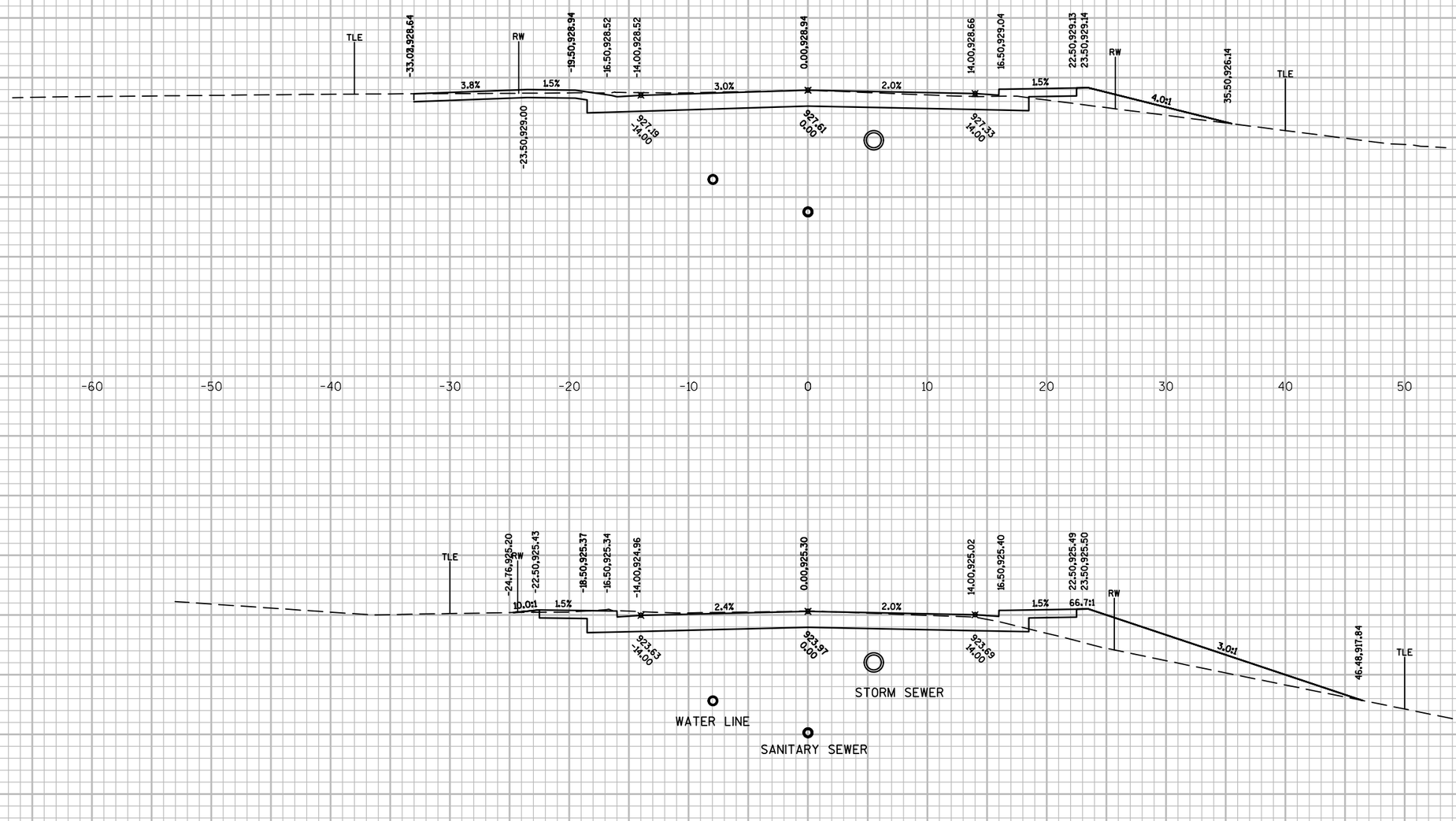
FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (32)

PLOT DATE : 10/14/2016 10:04 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 264	E

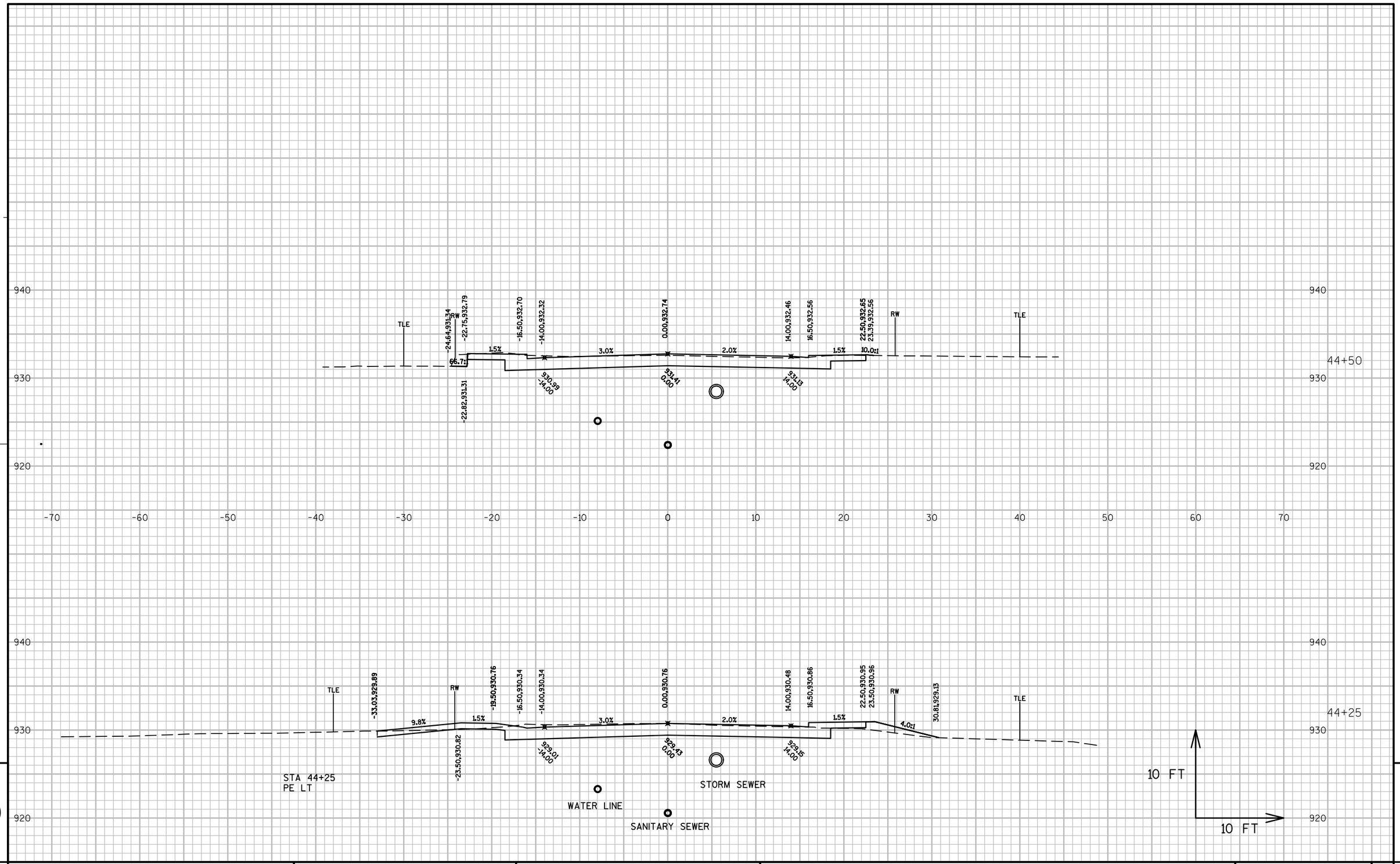


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 265	E

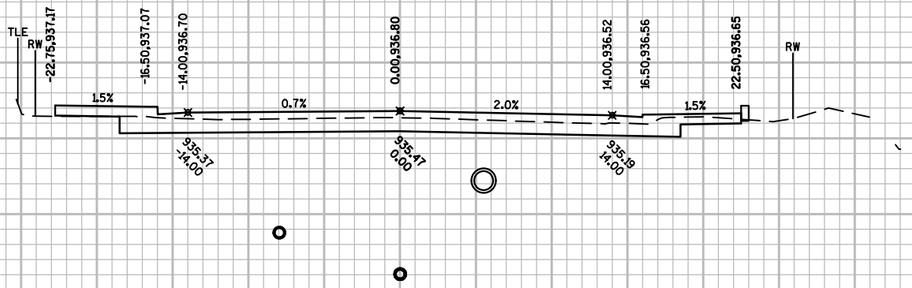
FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (34)

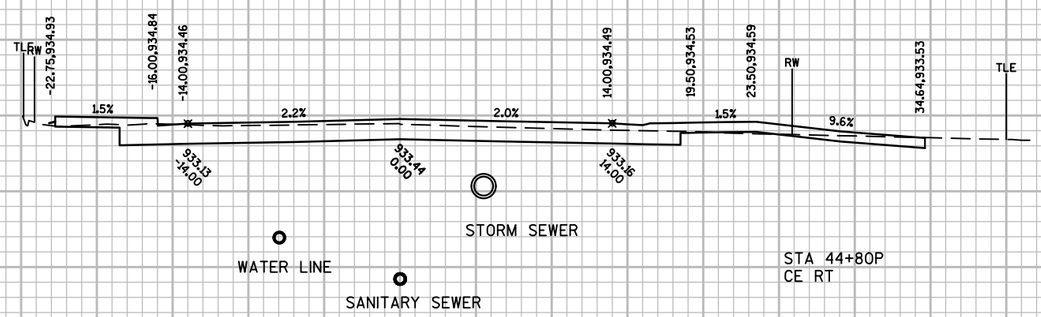
PLOT DATE : 10/14/2016 10:04 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 266	E





9

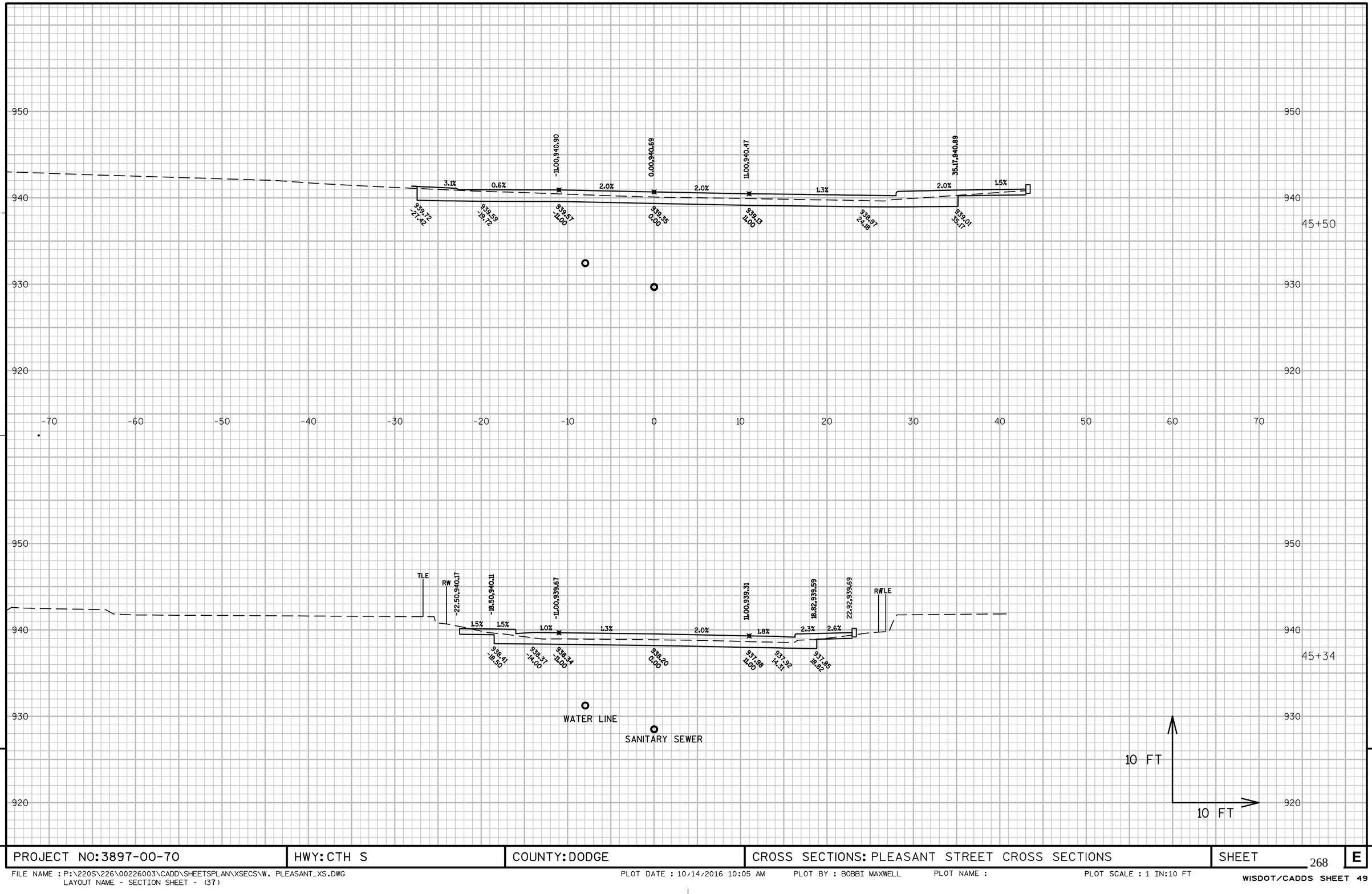
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 267	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (36)

PLOT DATE : 10/14/2016 10:04 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

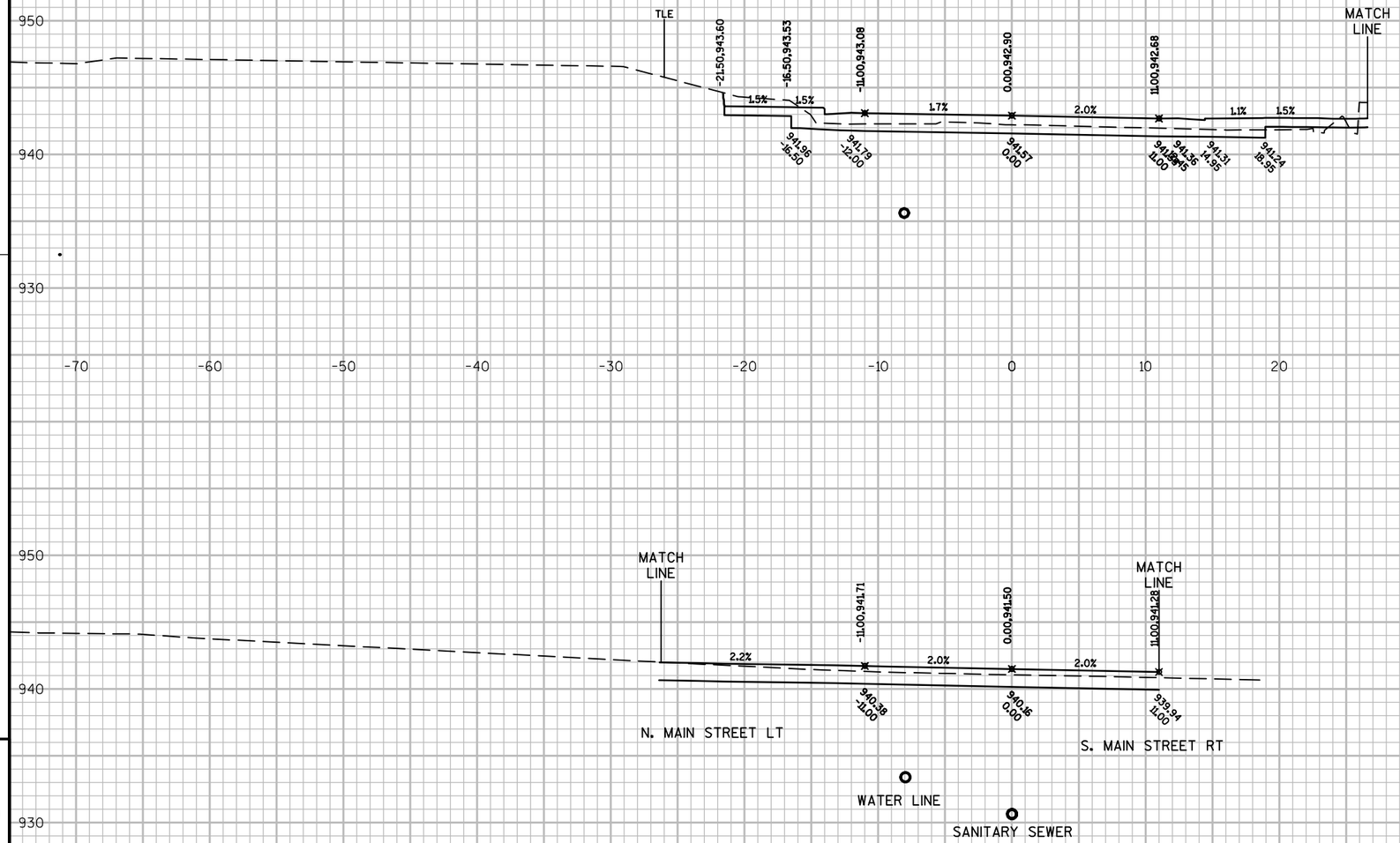
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 268	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (37)

PLOT DATE : 10/14/2016 10:05 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

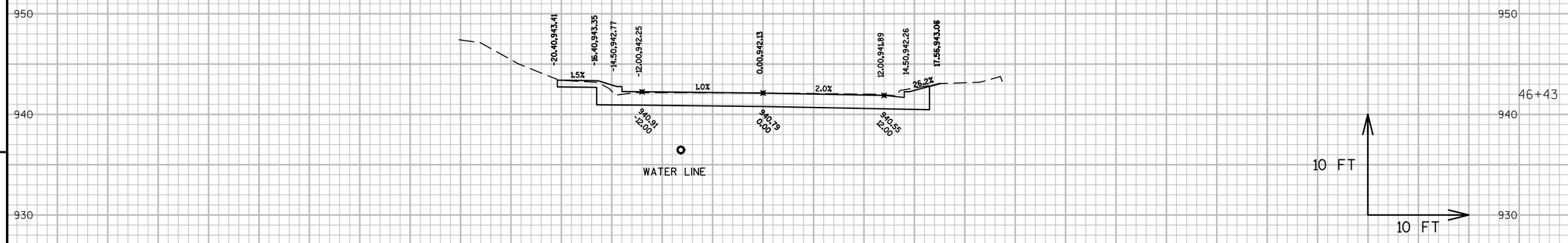
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 269	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (38)

PLOT DATE : 10/14/2016 10:05 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

STA 46+43P
END CONSTRUCTION



9

9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PLEASANT STREET CROSS SECTIONS	SHEET 270	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (39)

PLOT DATE : 10/14/2016 10:05 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

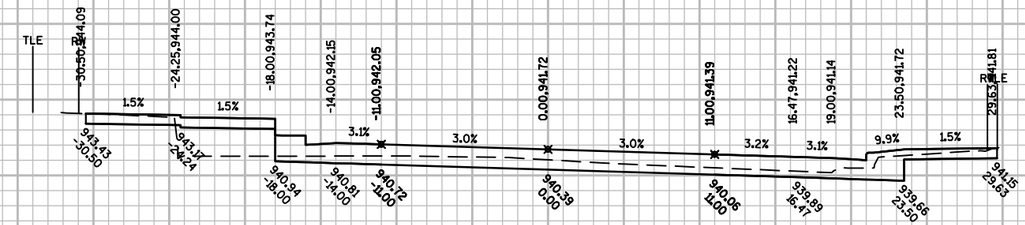


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 271	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (40)

PLOT DATE : 10/17/2016 10:41 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49





STA 46+20
PE RT

WATER LINE

46+30

46+20

10 FT

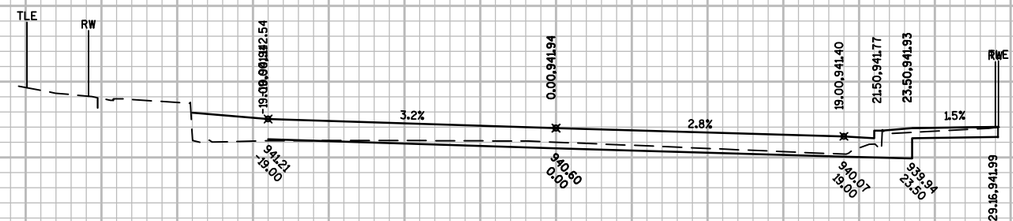
10 FT

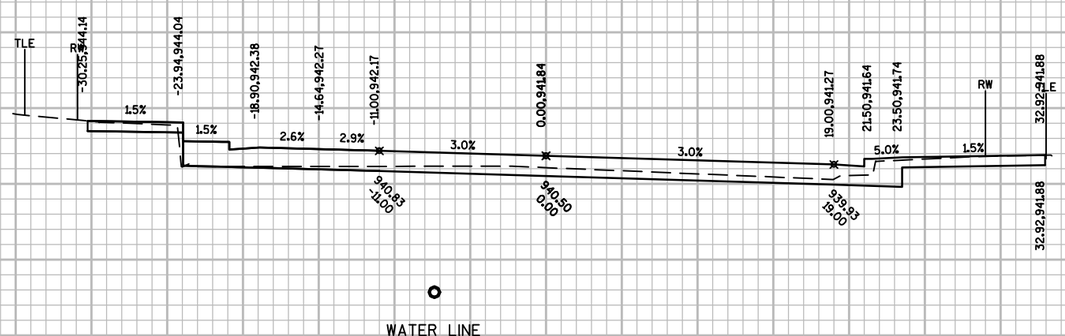
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 272	E

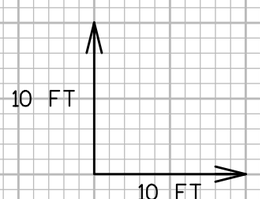
FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (41)

PLOT DATE : 10/17/2016 10:41 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49





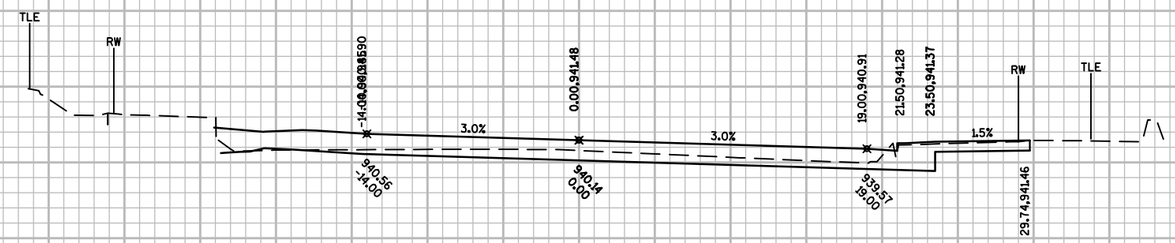


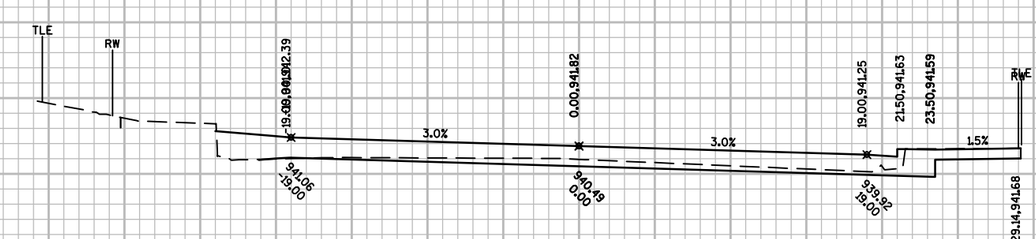
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 273	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (42)

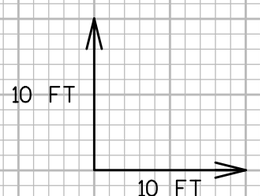
PLOT DATE : 10/17/2016 10:41 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49





WATER LINE

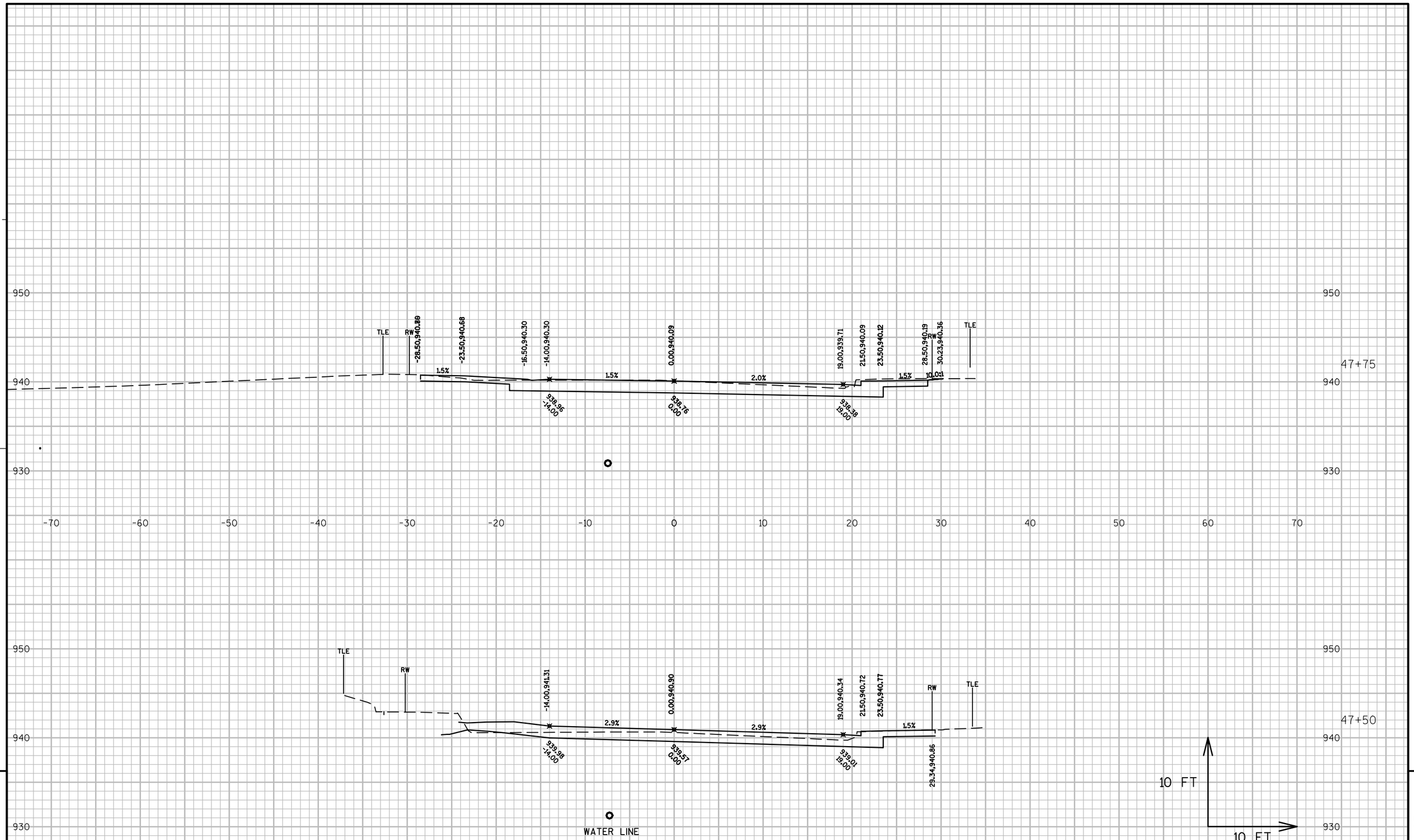


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 274	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (43)

PLOT DATE : 10/17/2016 10:41 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

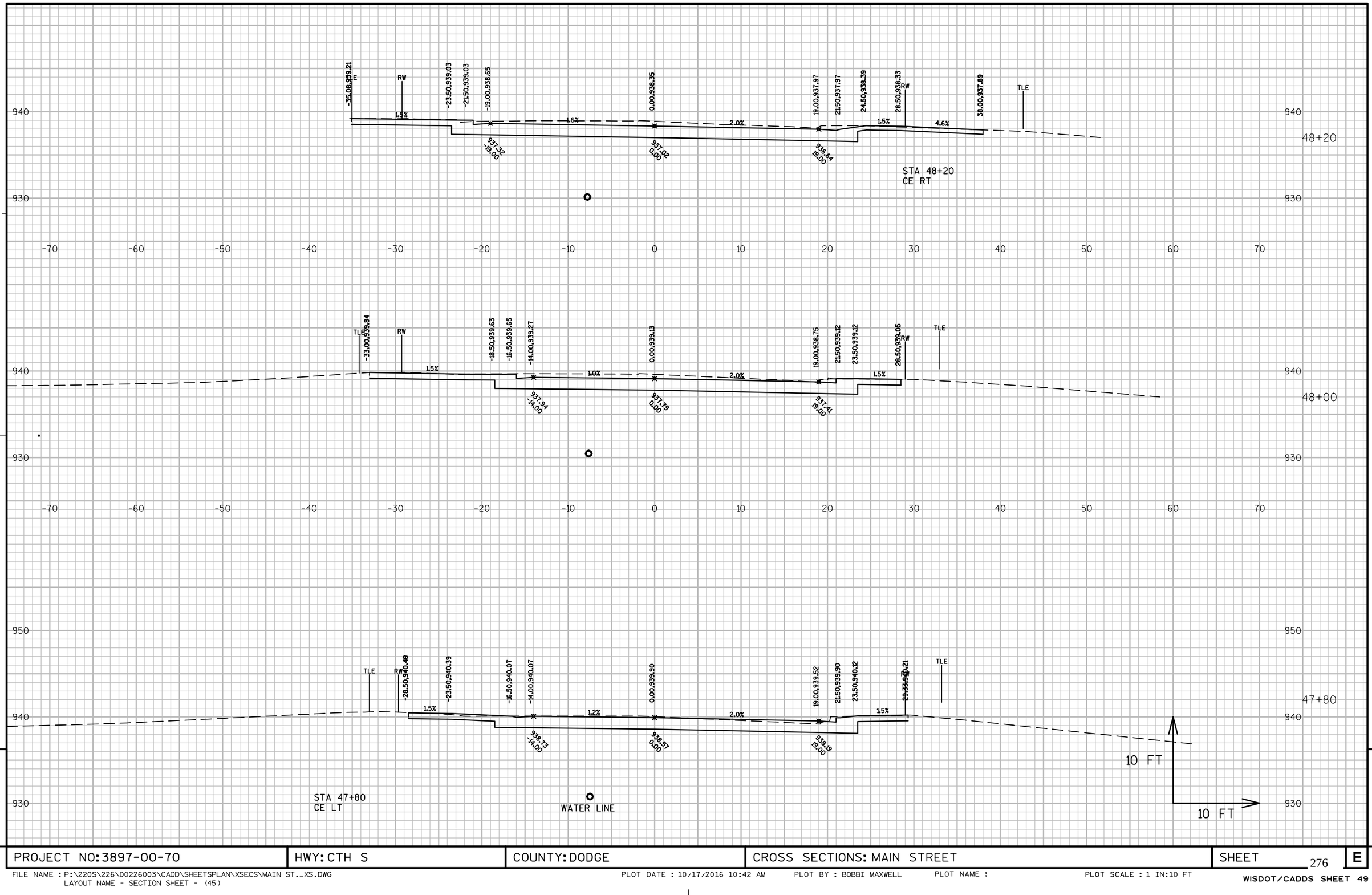


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 275	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (44)

PLOT DATE : 10/17/2016 10:41 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

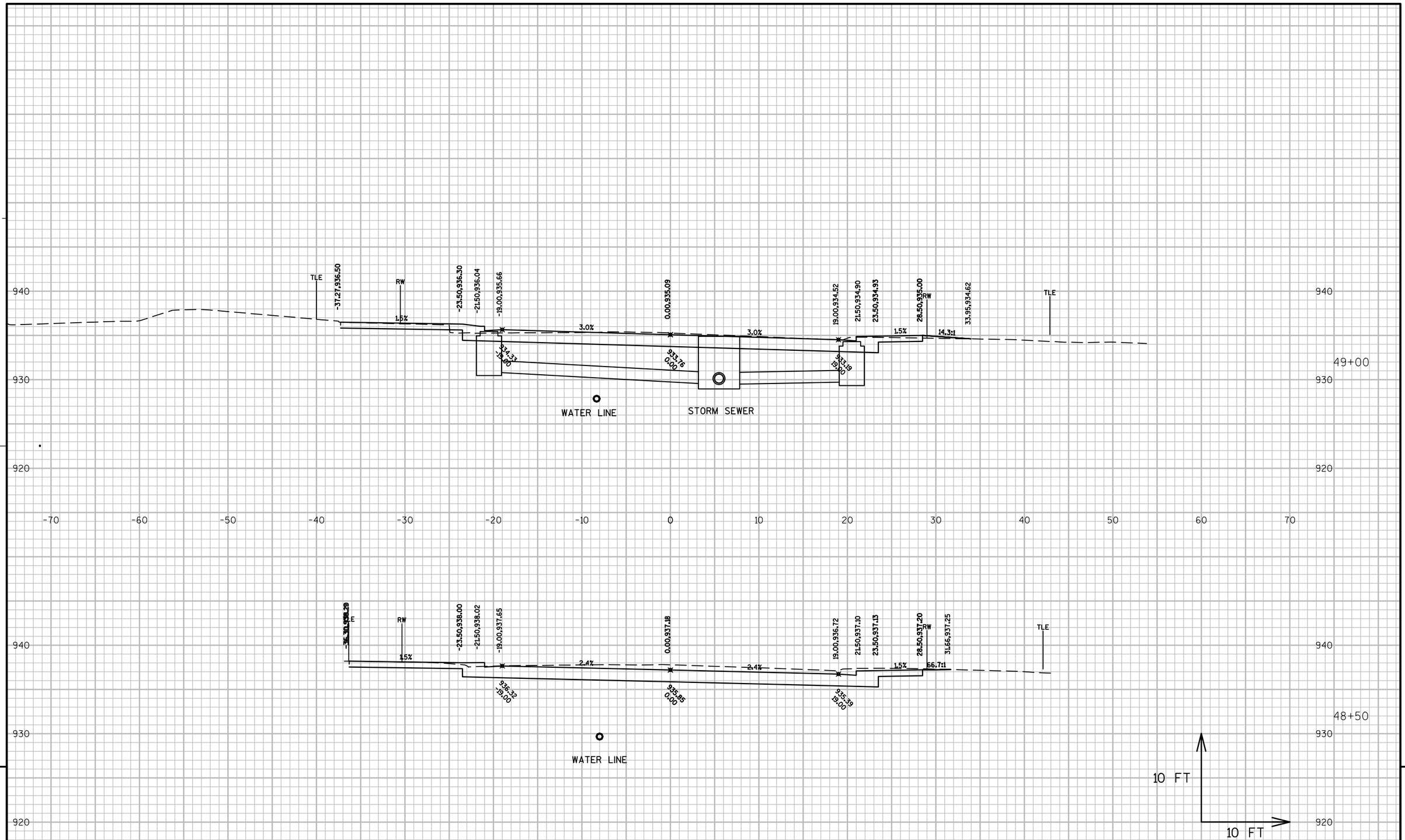


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 276	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (45)

PLOT DATE : 10/17/2016 10:42 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

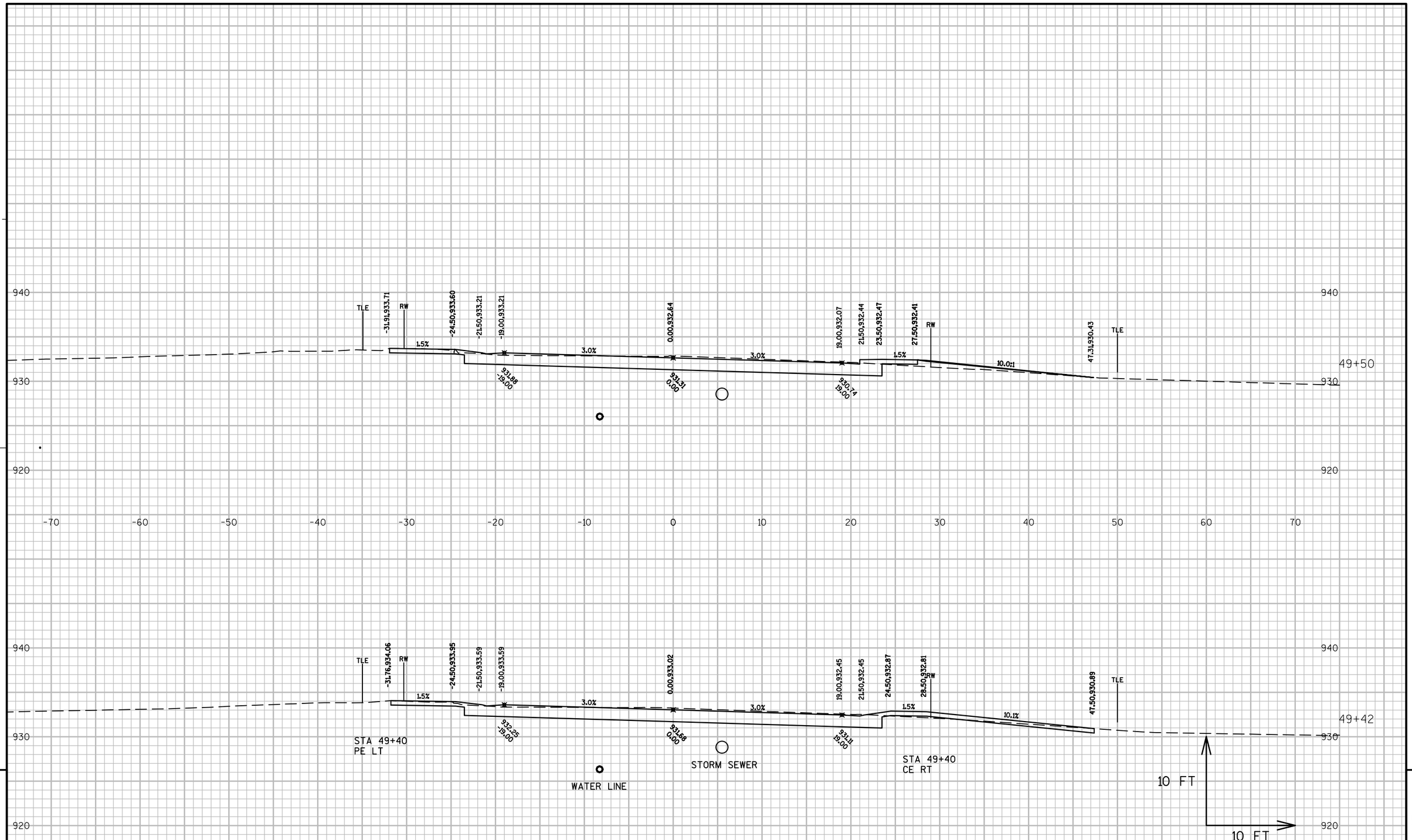
9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 277	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (46)

PLOT DATE : 10/17/2016 10:42 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

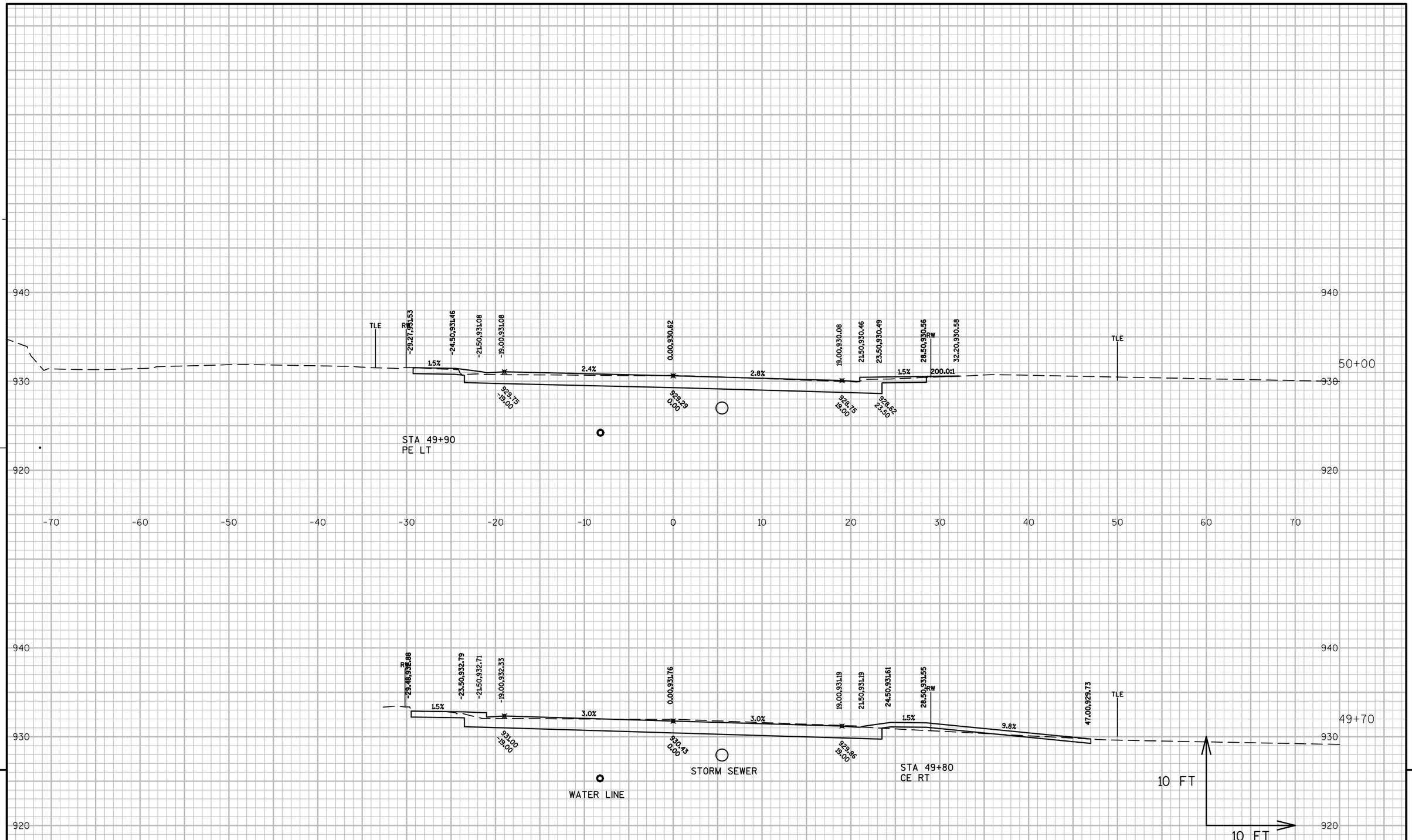
9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 278	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (47)

PLOT DATE : 10/17/2016 10:42 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

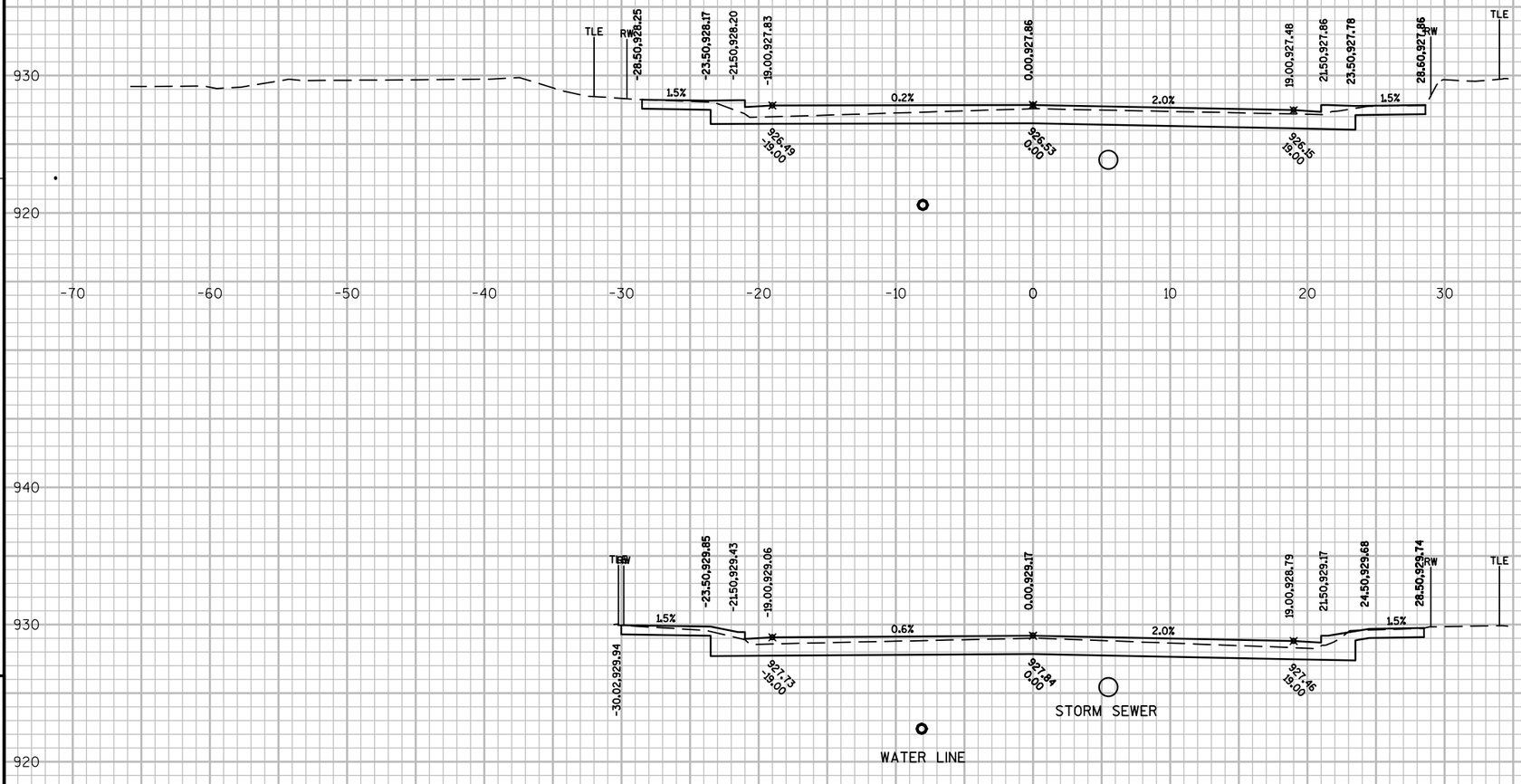


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 279 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (48)

PLOT DATE : 10/17/2016 10:42 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

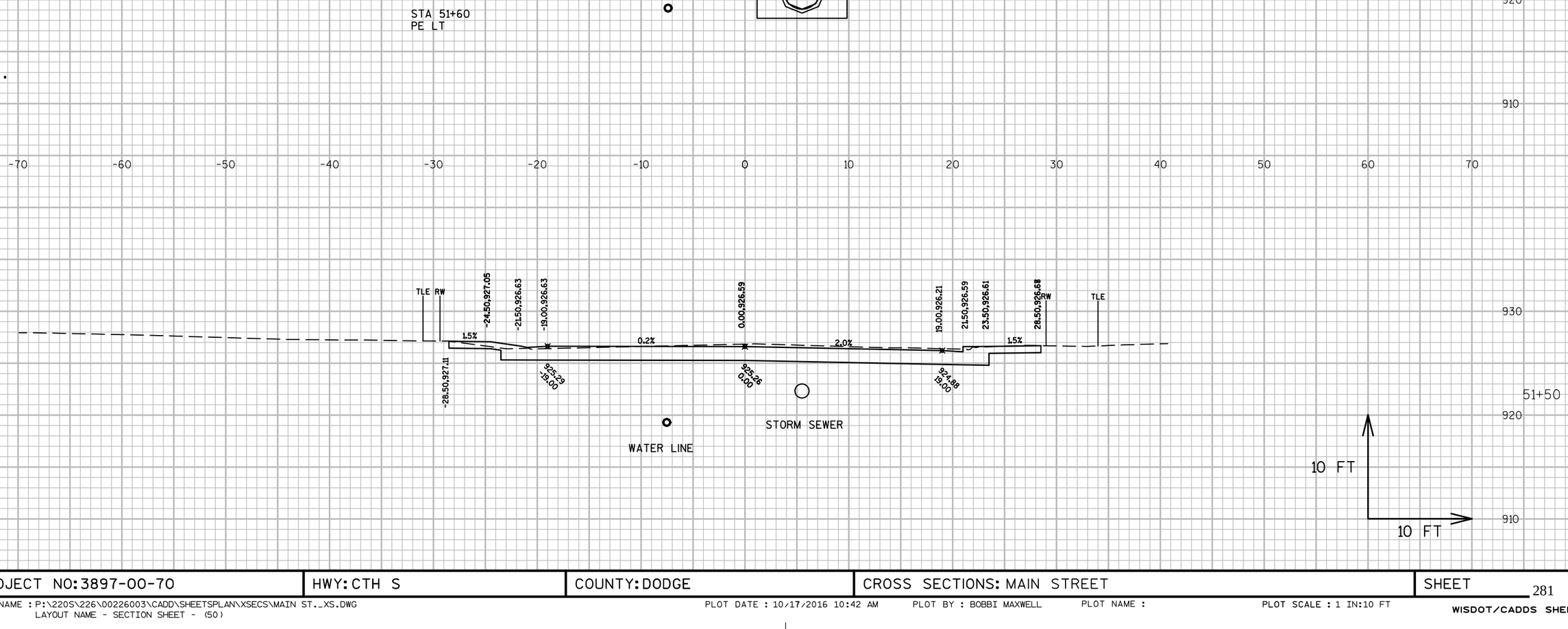


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 280	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (49)

PLOT DATE : 10/17/2016 10:42 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

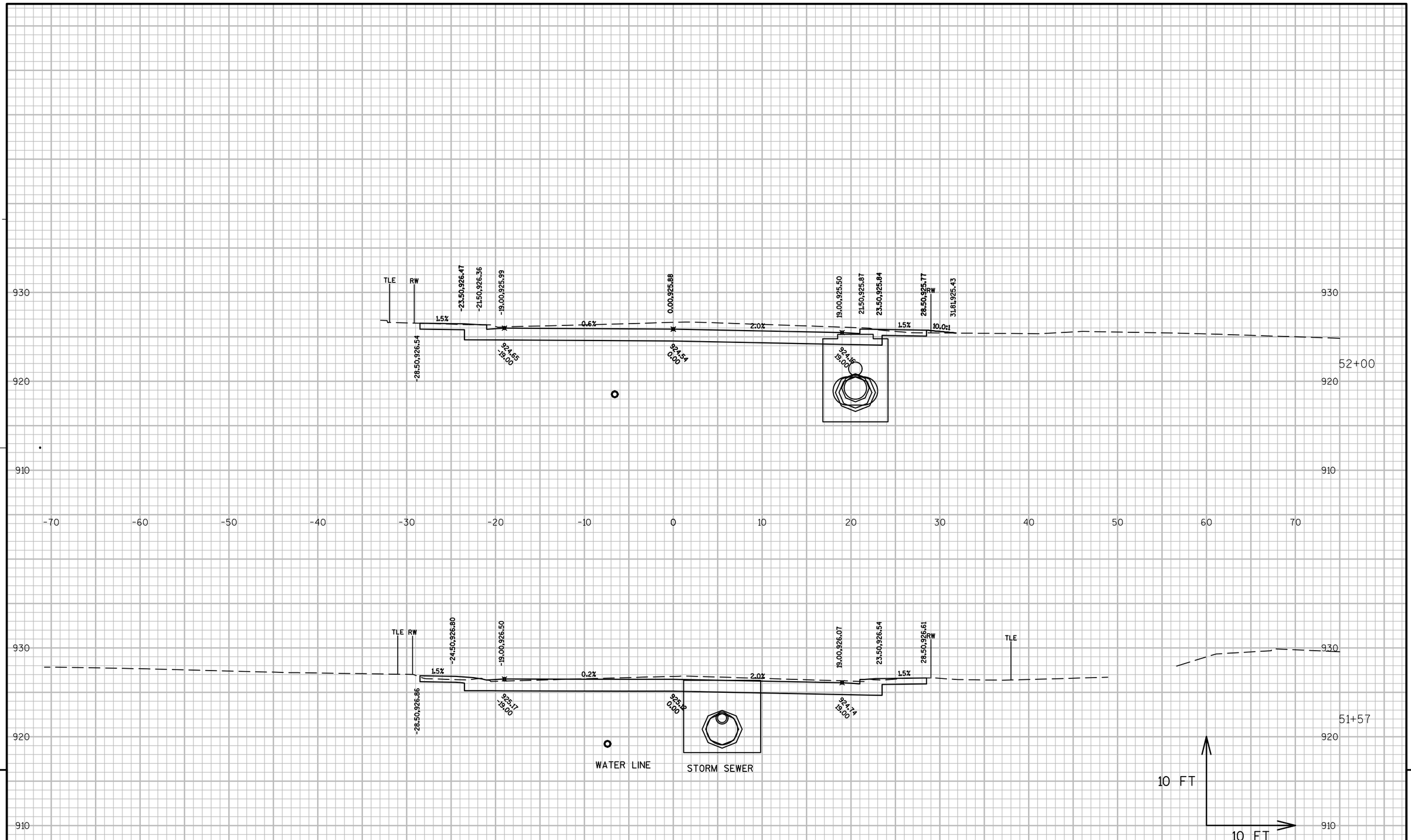


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 281	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (50)

PLOT DATE : 10/17/2016 10:42 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

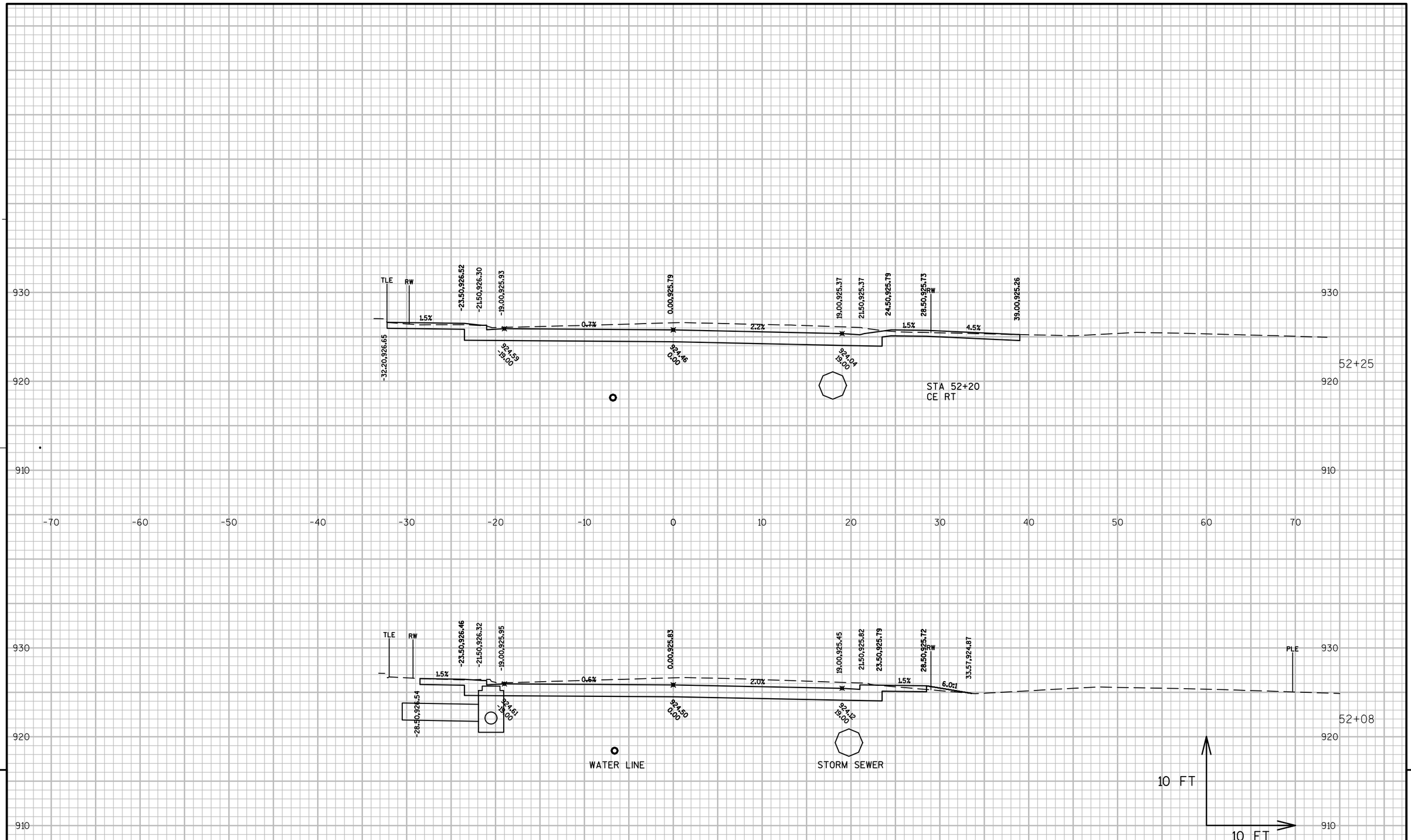


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 282 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (51)

PLOT DATE : 10/17/2016 10:42 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

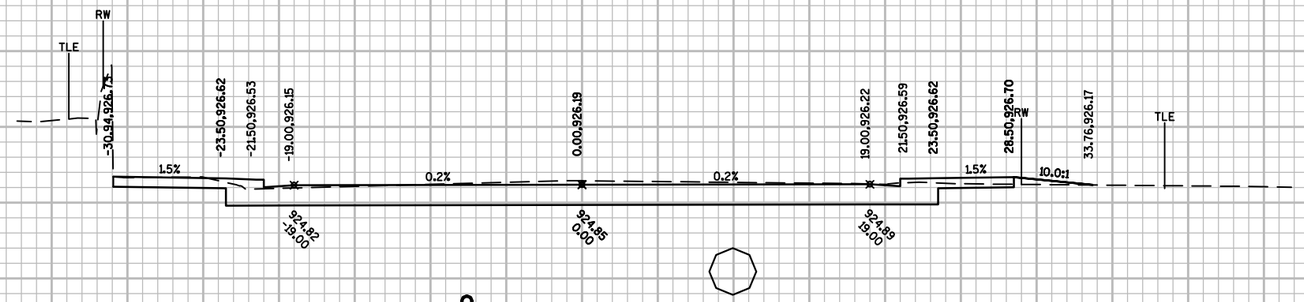


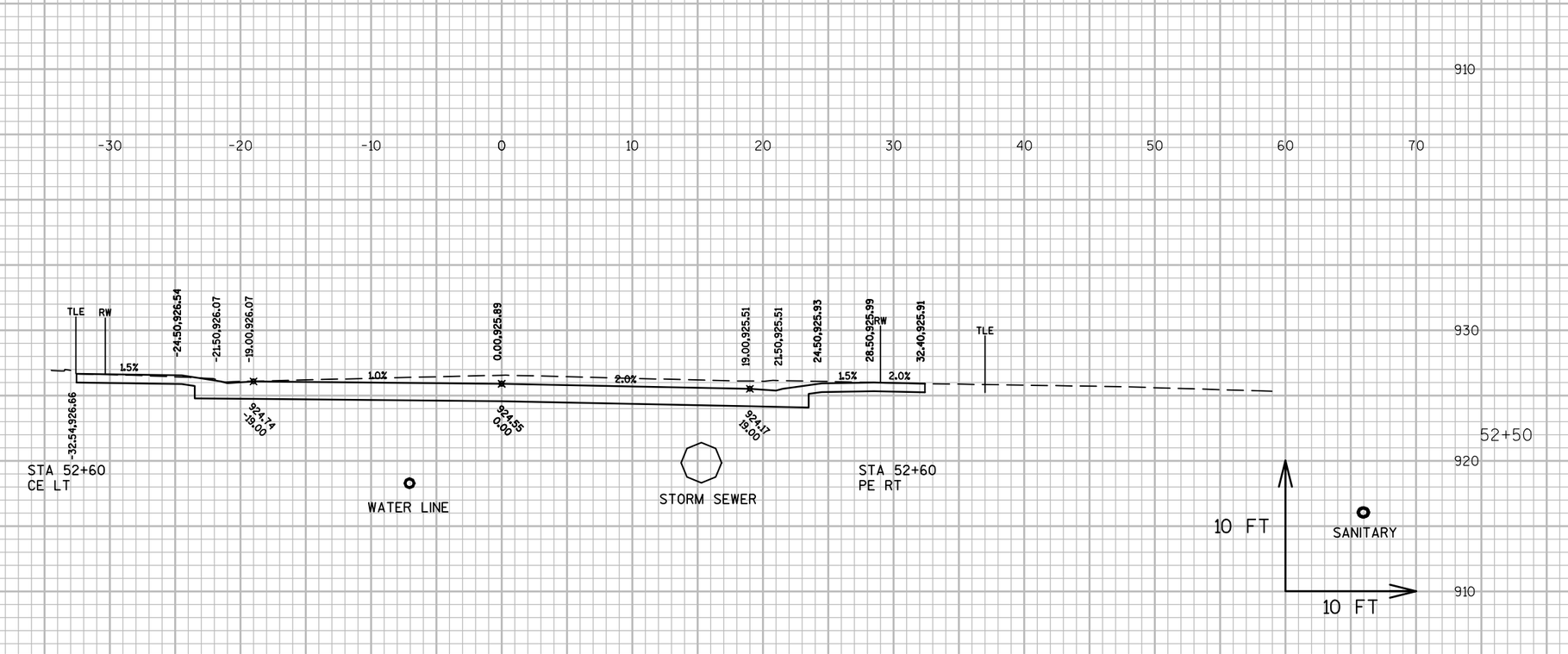
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 283	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (52)

PLOT DATE : 10/17/2016 10:43 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49





9

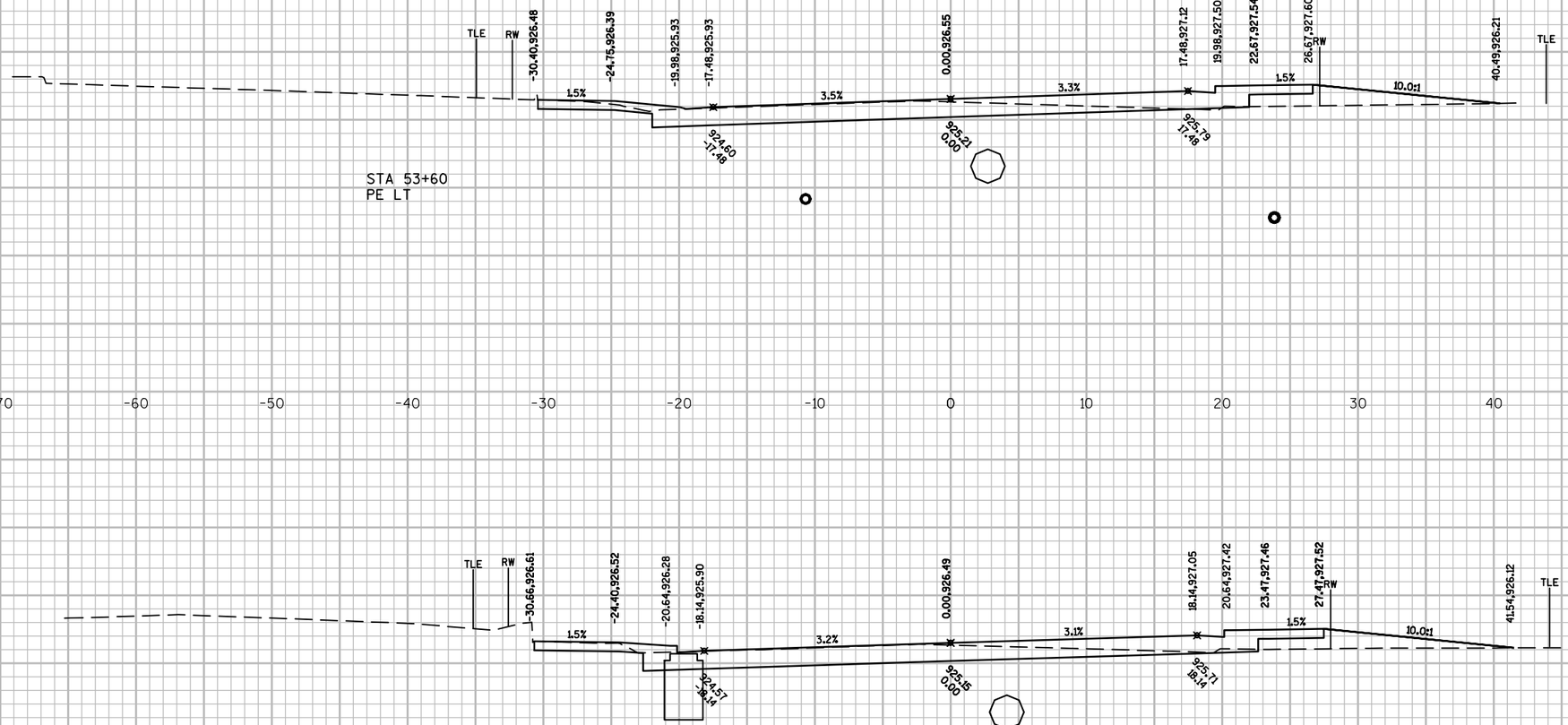
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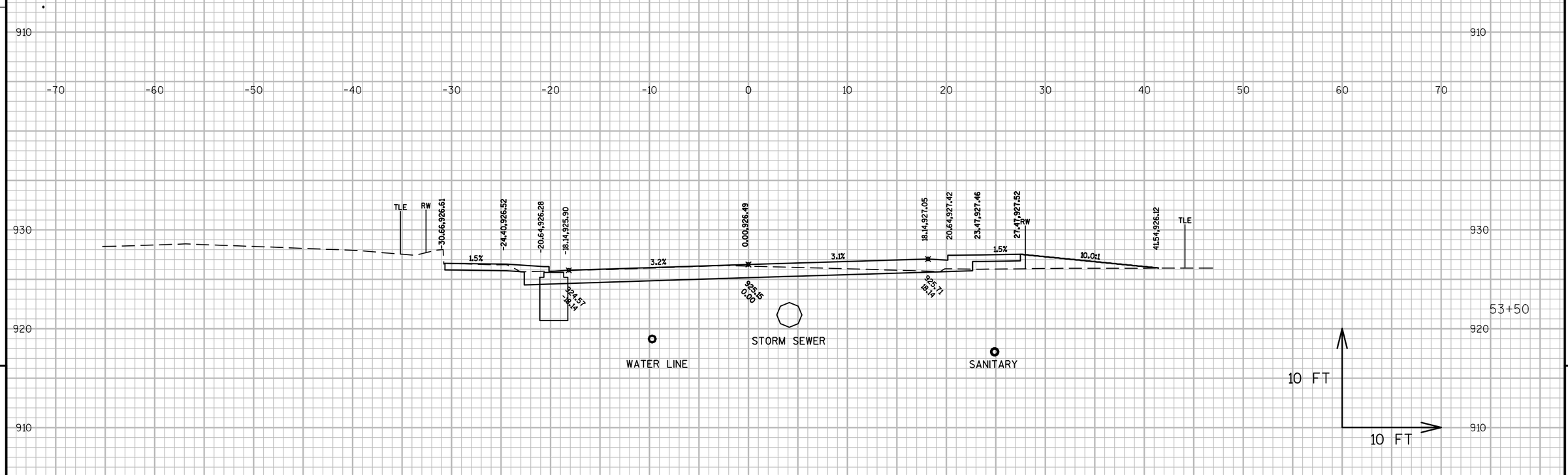
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 284	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (53)

PLOT DATE : 10/17/2016 10:43 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49





9

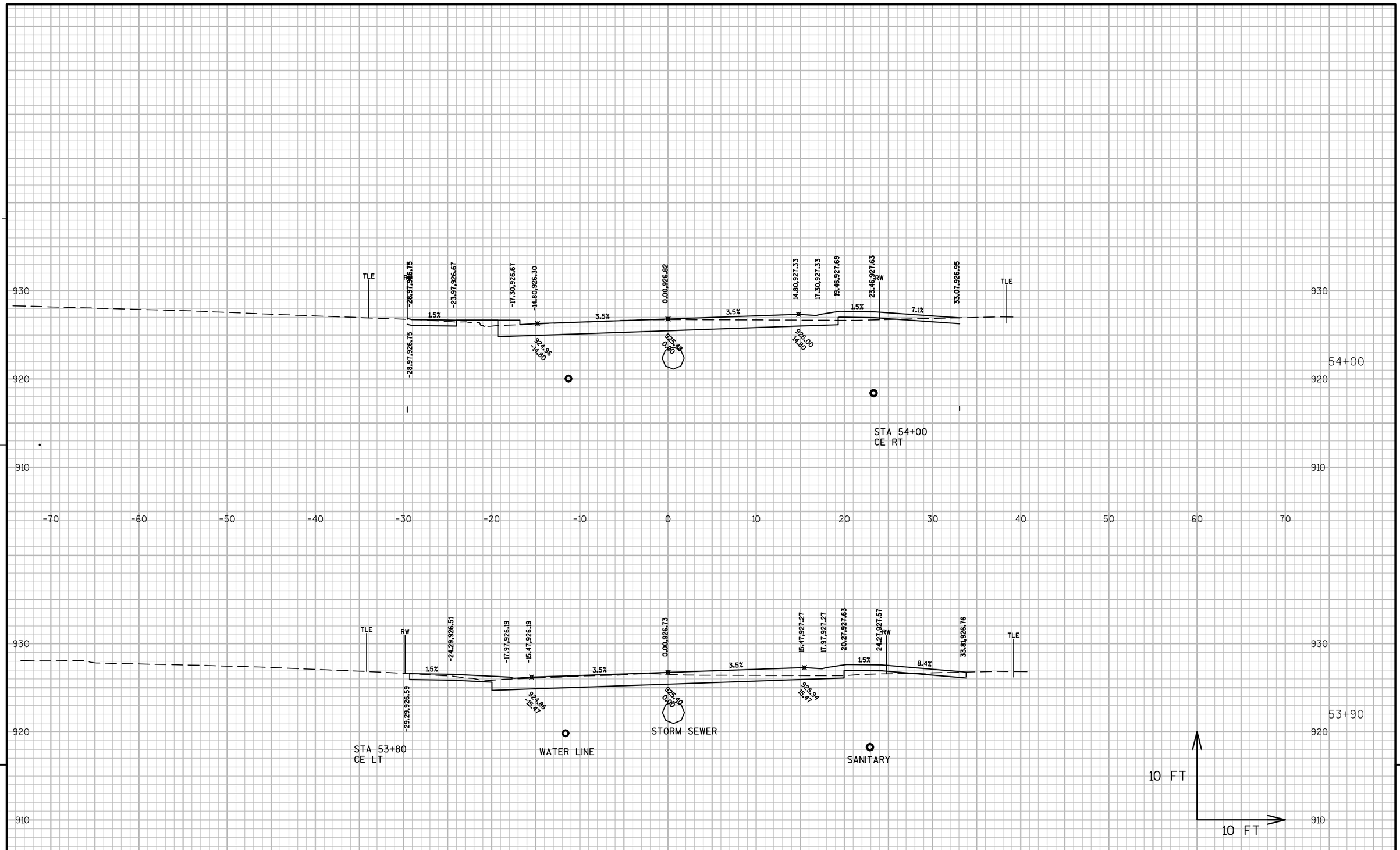
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 285	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (54)

PLOT DATE : 10/17/2016 10:43 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

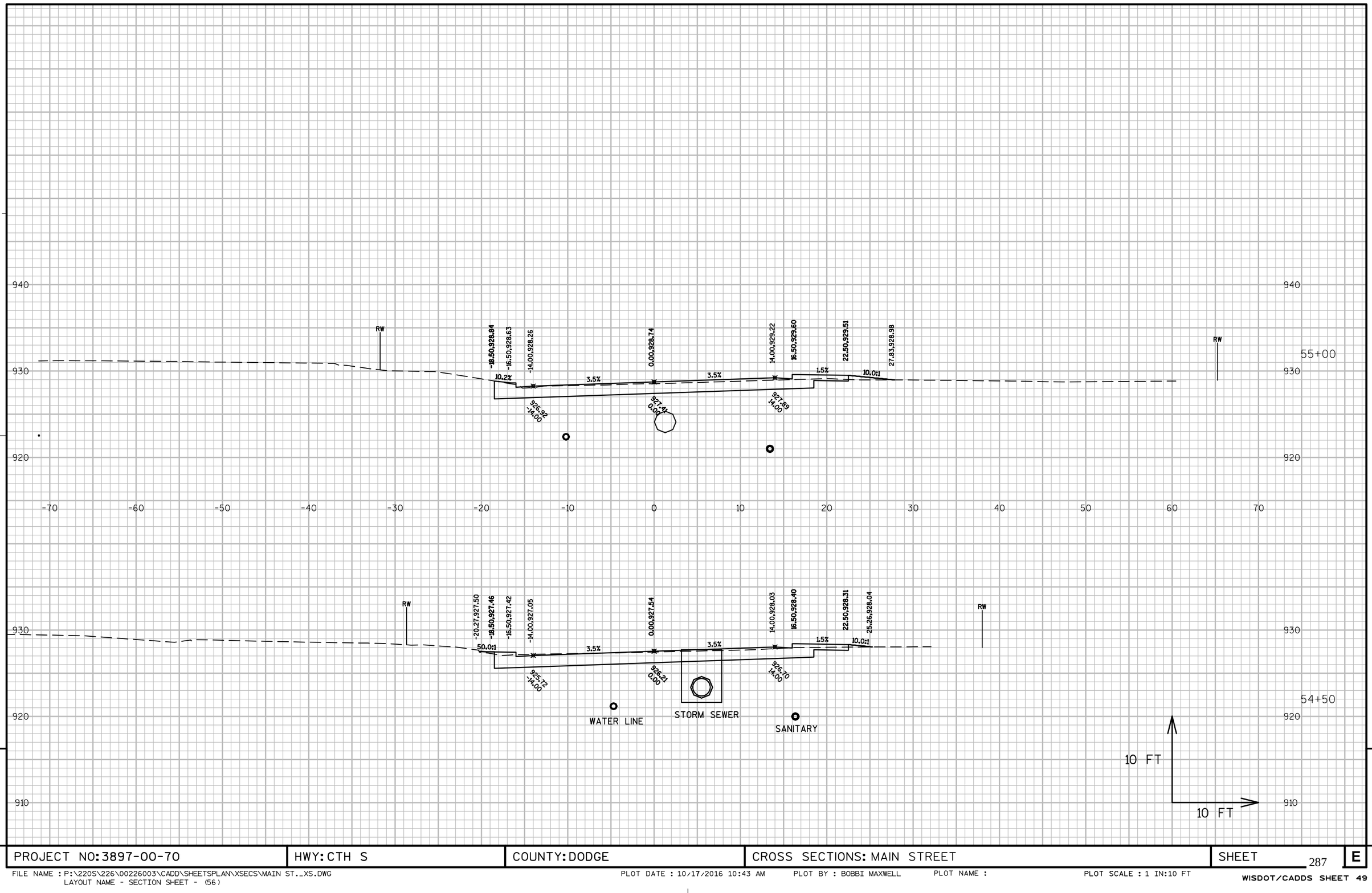
9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 286	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (55)

PLOT DATE : 10/17/2016 10:43 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

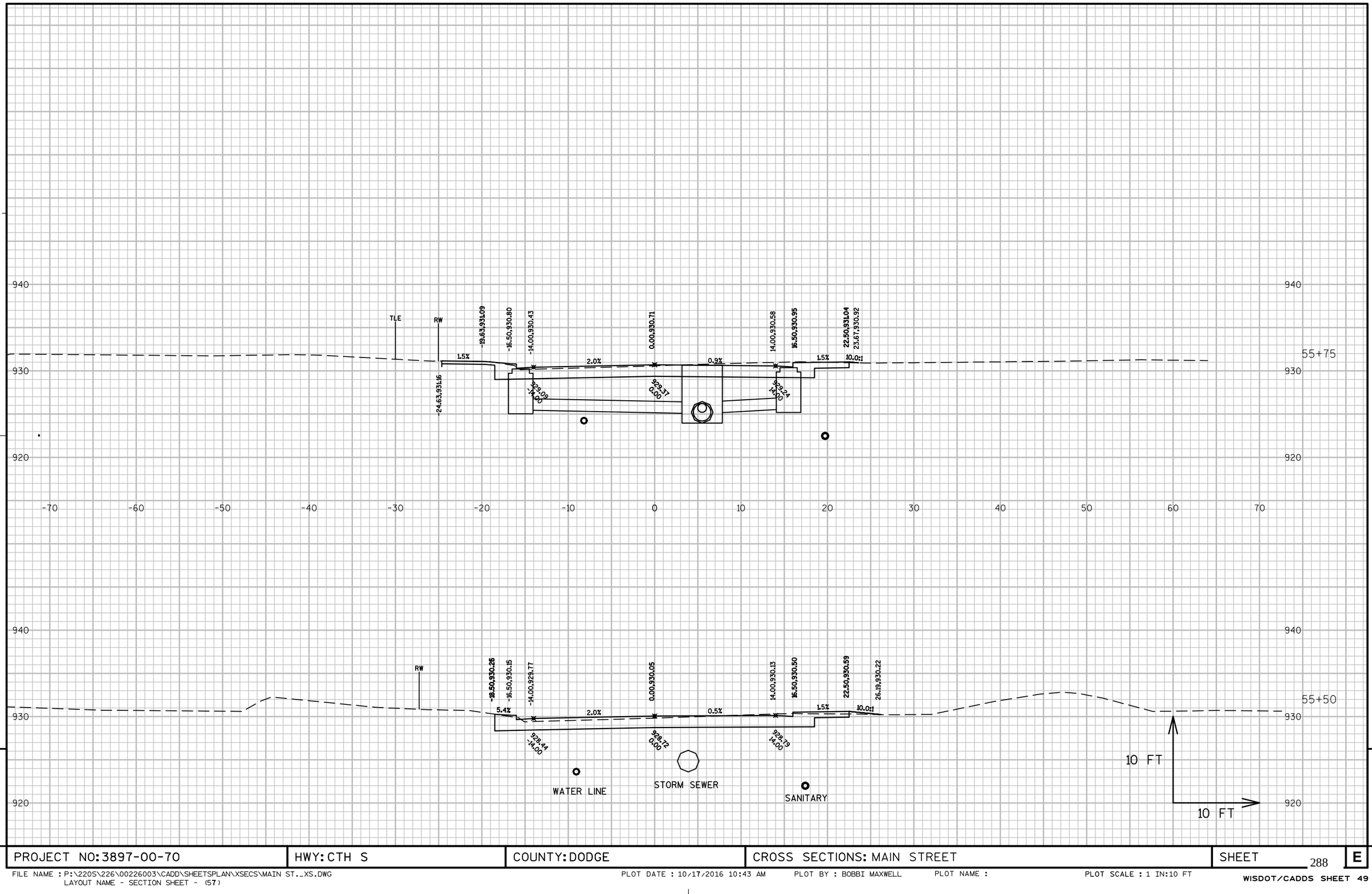


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 287	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (56)

PLOT DATE : 10/17/2016 10:43 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

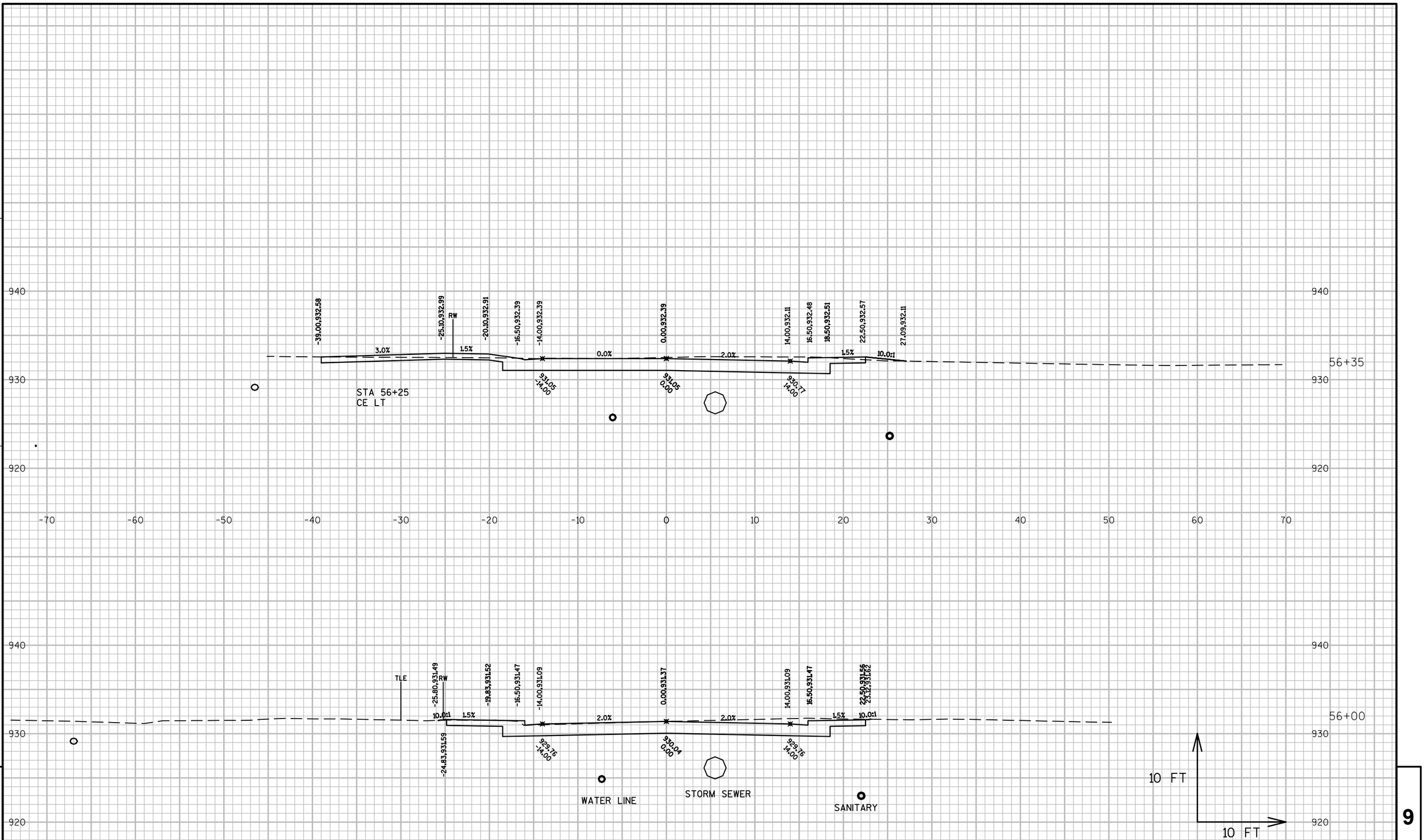


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 288	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (57)

PLOT DATE : 10/17/2016 10:43 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

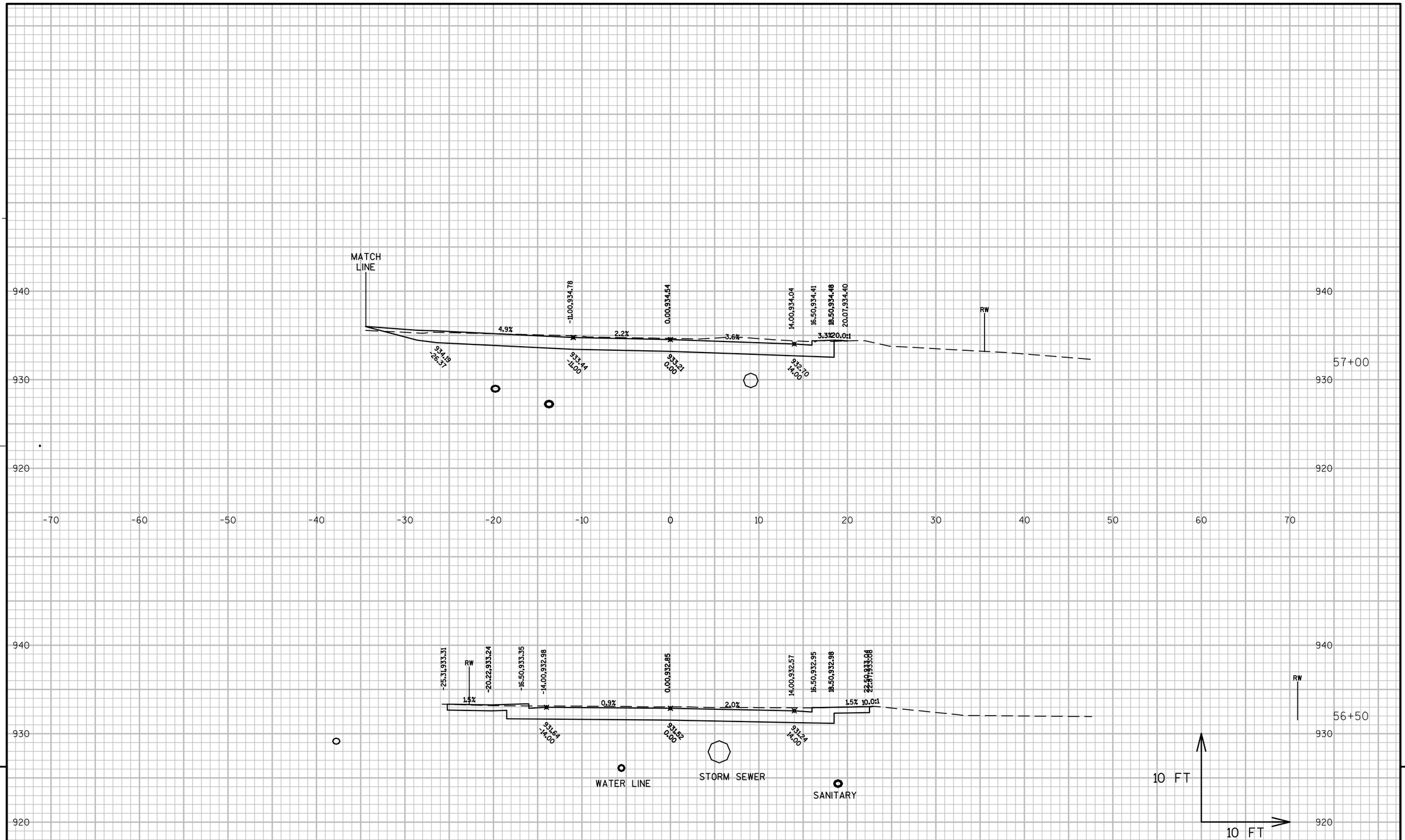
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 289	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (58)

PLOT DATE : 10/17/2016 10:43 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

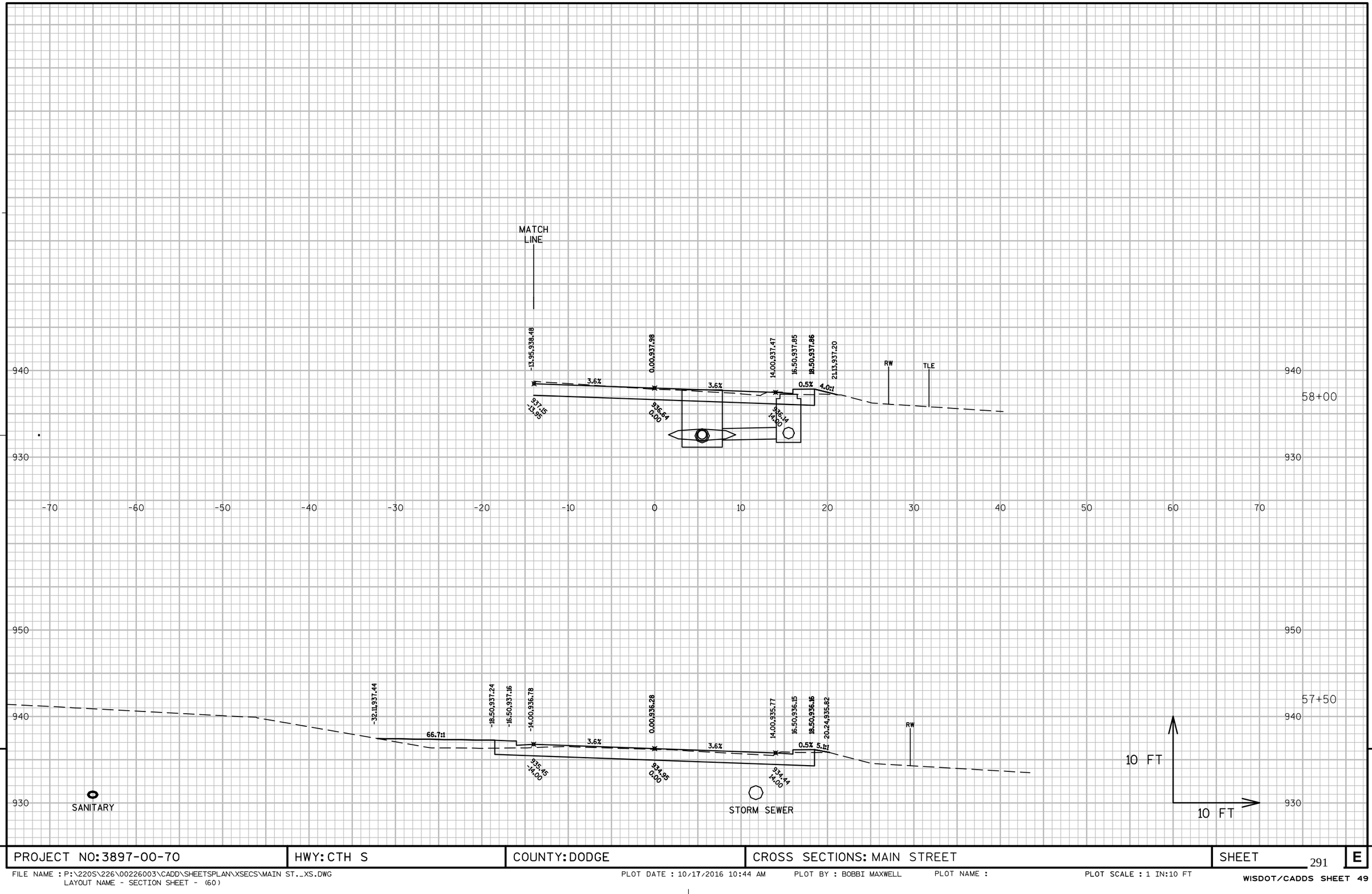
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 290	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (59)

PLOT DATE : 10/17/2016 10:44 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

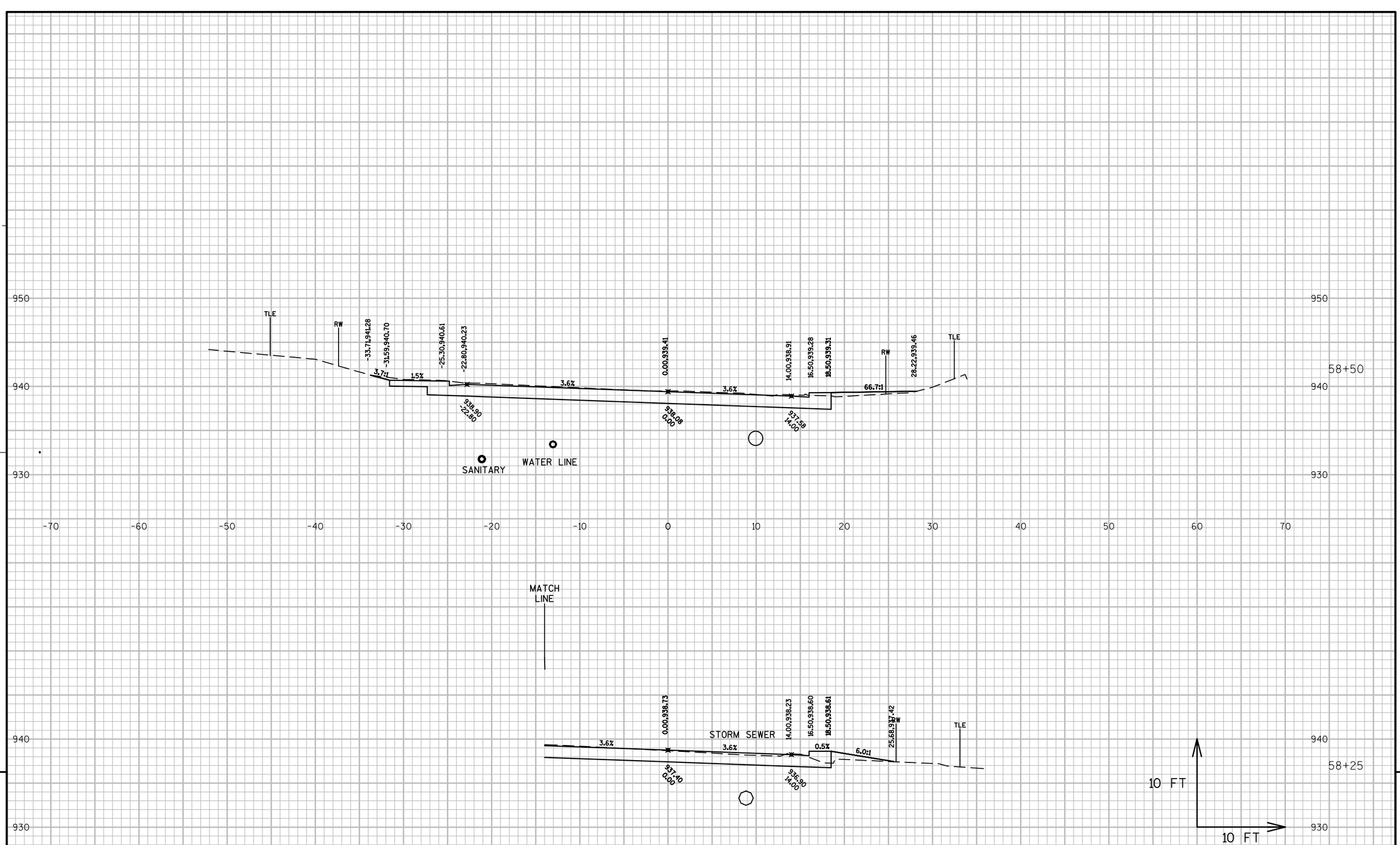


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 291	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (60)

PLOT DATE : 10/17/2016 10:44 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

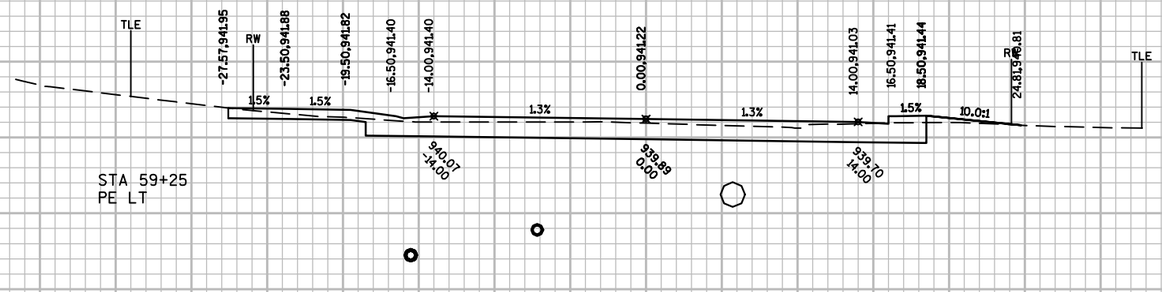
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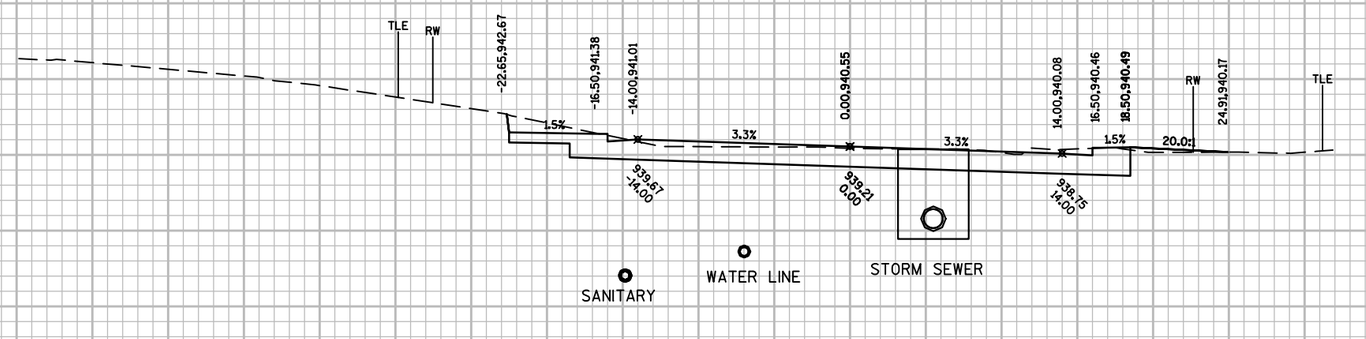
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 292	E

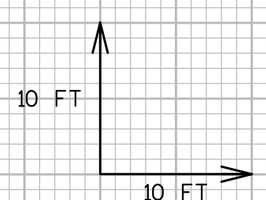
FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (61)

PLOT DATE : 10/17/2016 10:44 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49







950 940 930

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

59+39

59+00

9

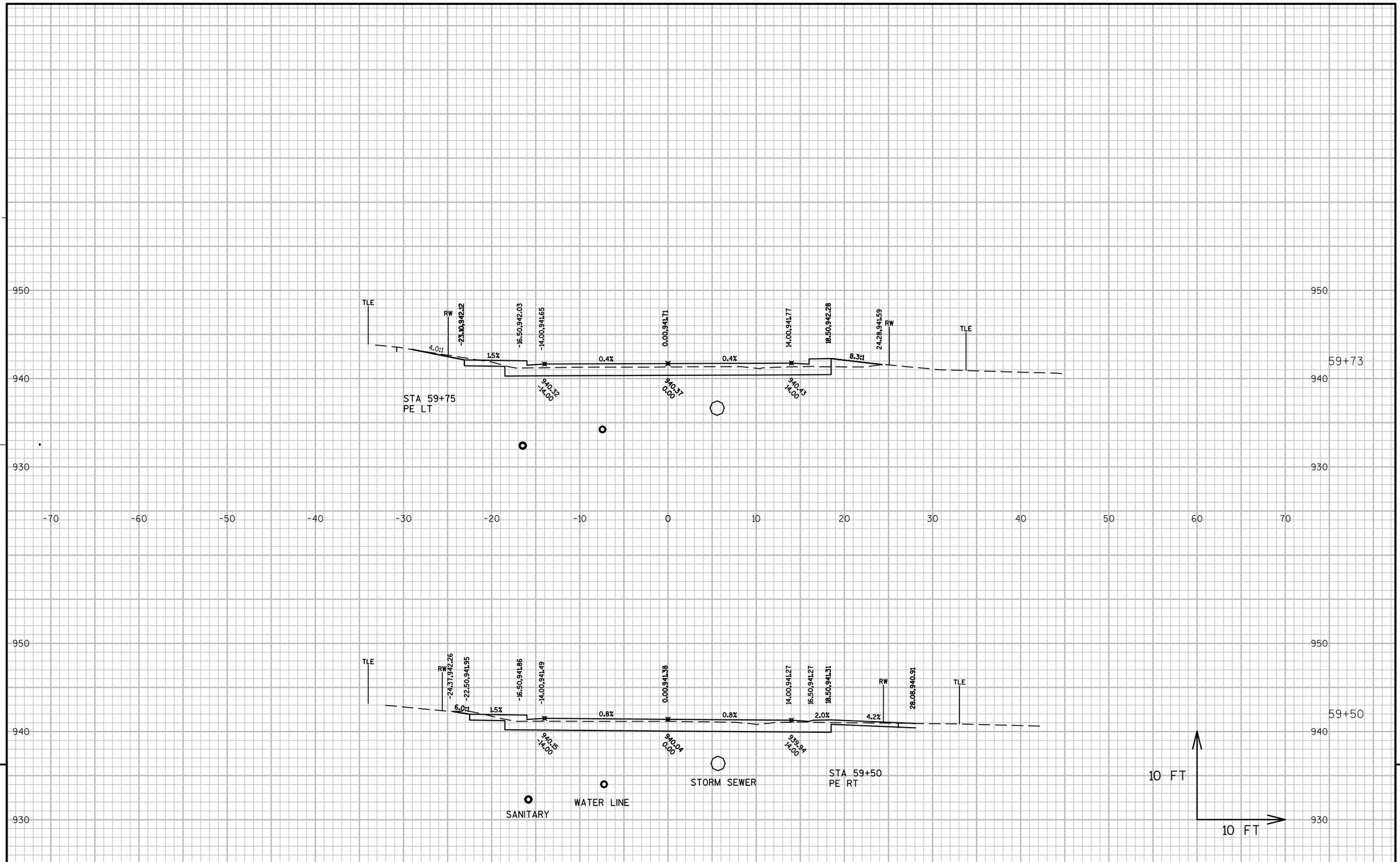
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 293	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (62)

PLOT DATE : 10/17/2016 10:44 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

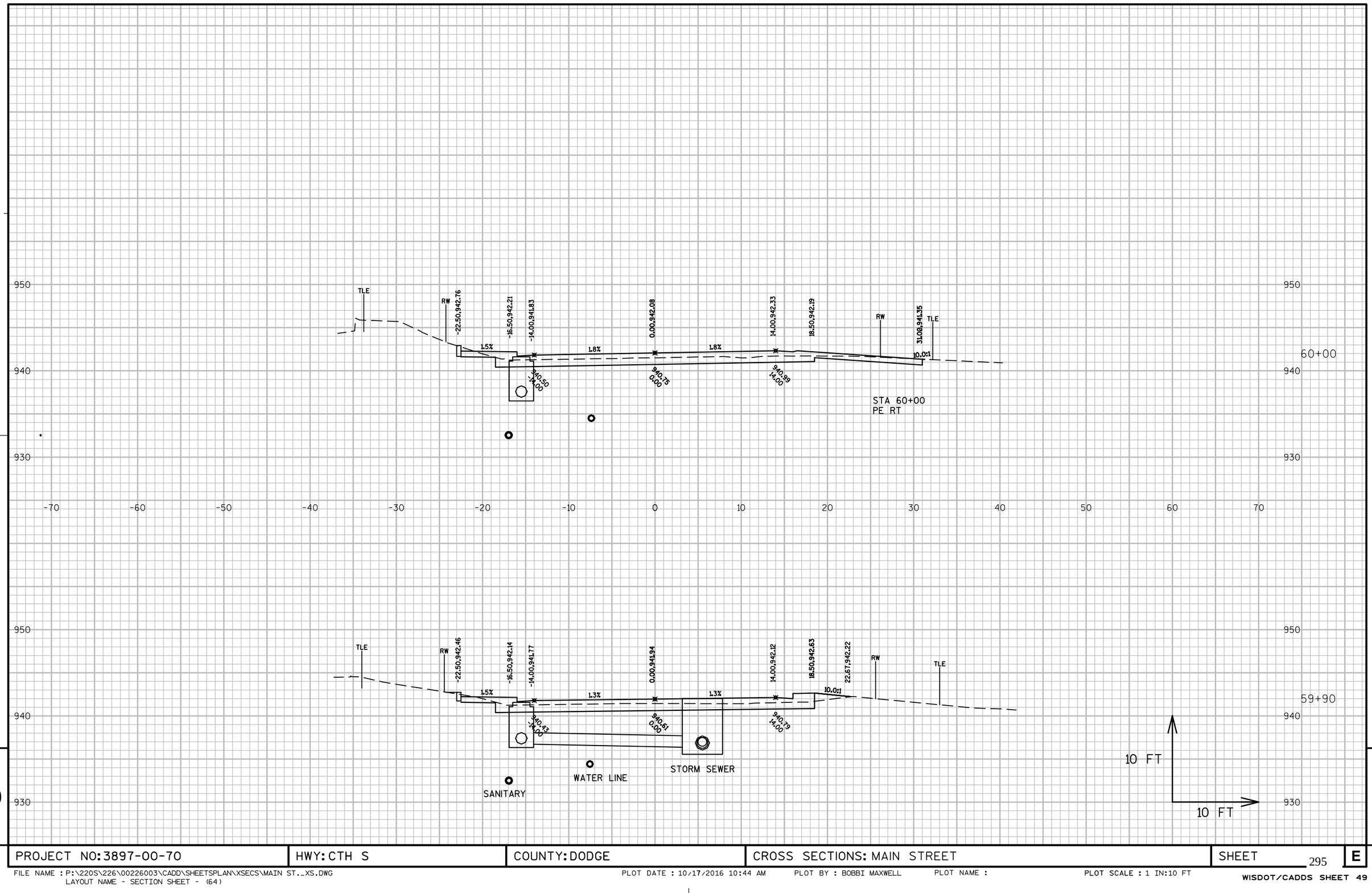


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 294 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (63)

PLOT DATE : 10/17/2016 10:44 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

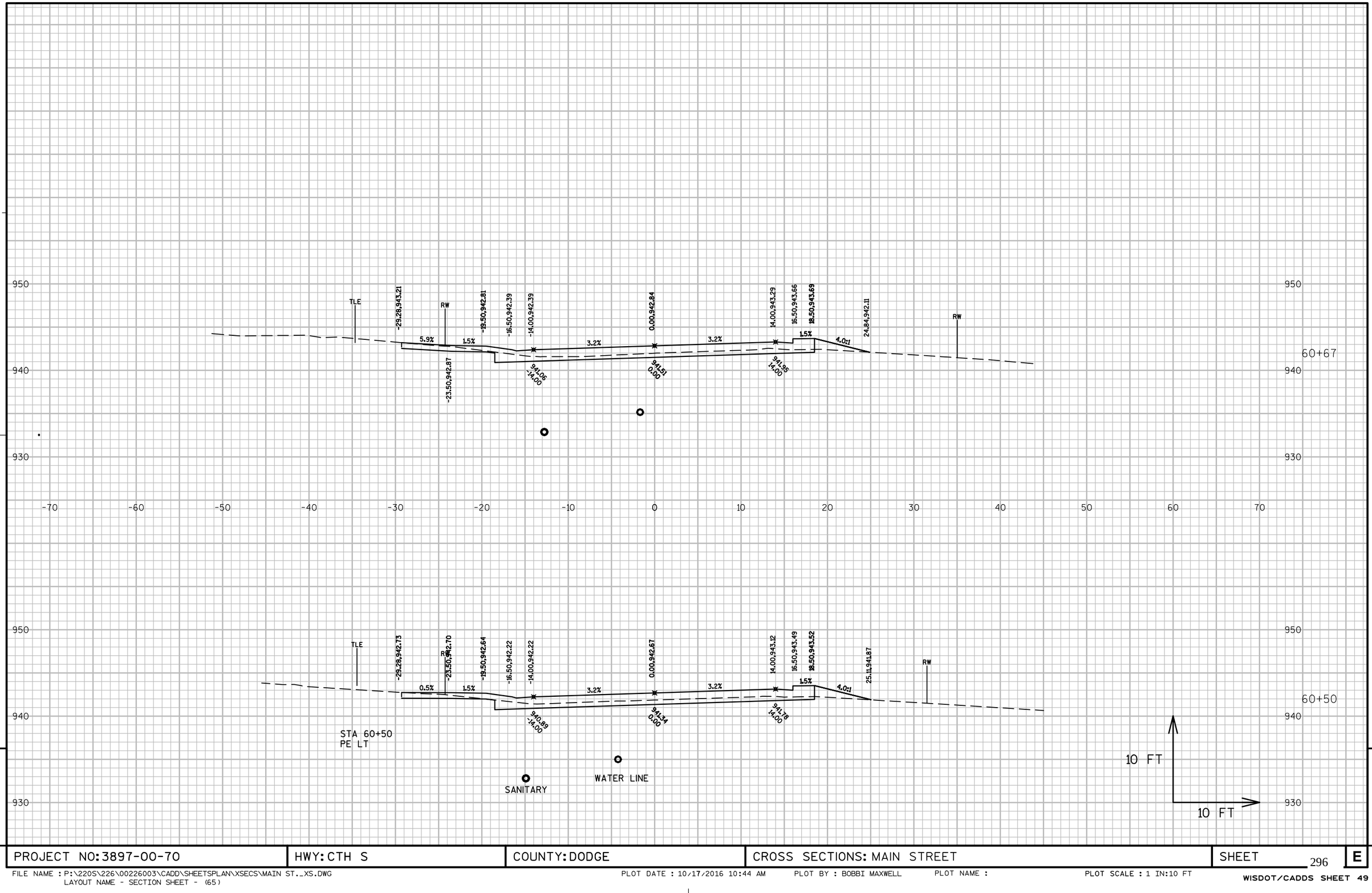


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 295	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (64)

PLOT DATE : 10/17/2016 10:44 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

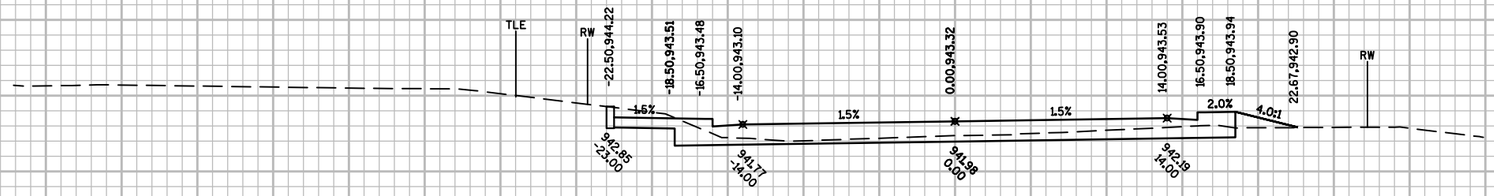


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 296	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (65)

PLOT DATE : 10/17/2016 10:44 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



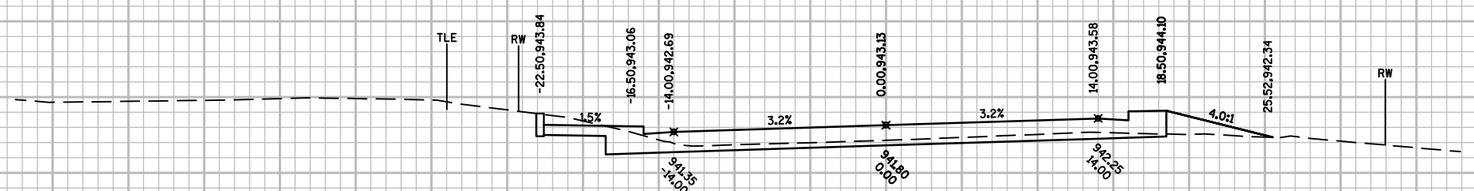
950
940
930

WATER LINE

SANITARY

61+50

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70



950
940
930

WATER LINE

SANITARY

61+00

10 FT
10 FT

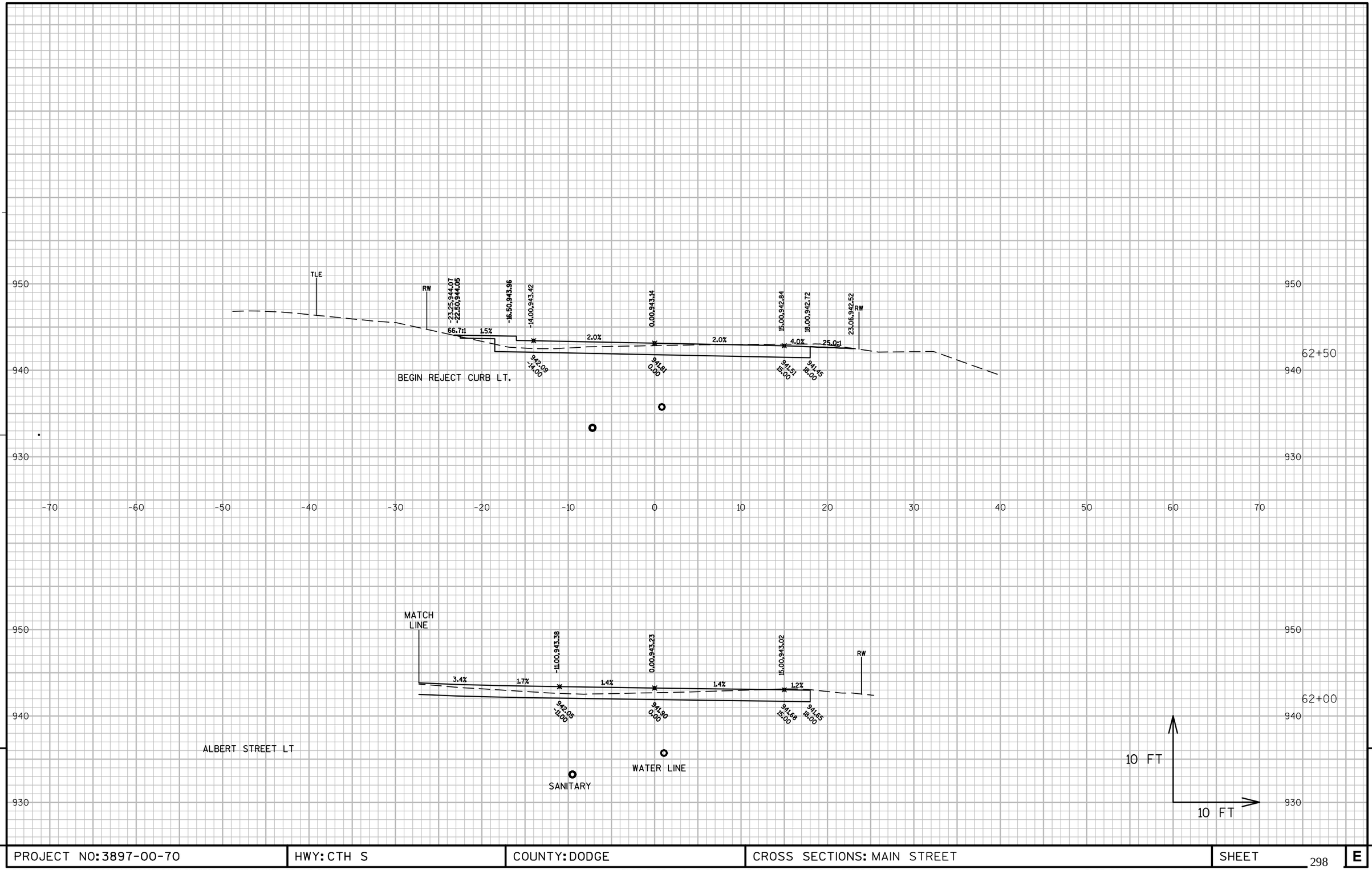
9 9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 297	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (66)

PLOT DATE : 10/17/2016 10:45 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

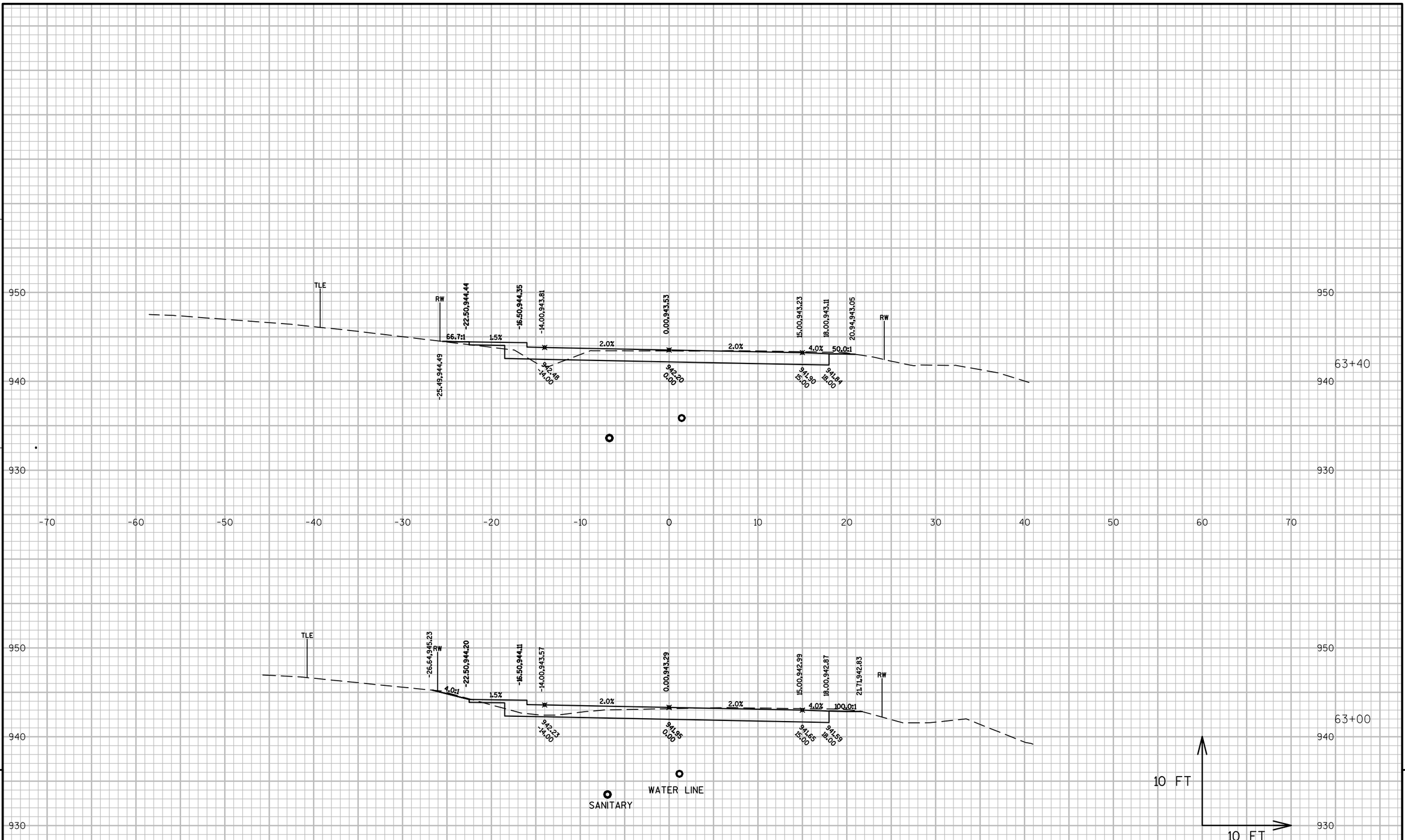


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 298	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (67)

PLOT DATE : 10/17/2016 10:45 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

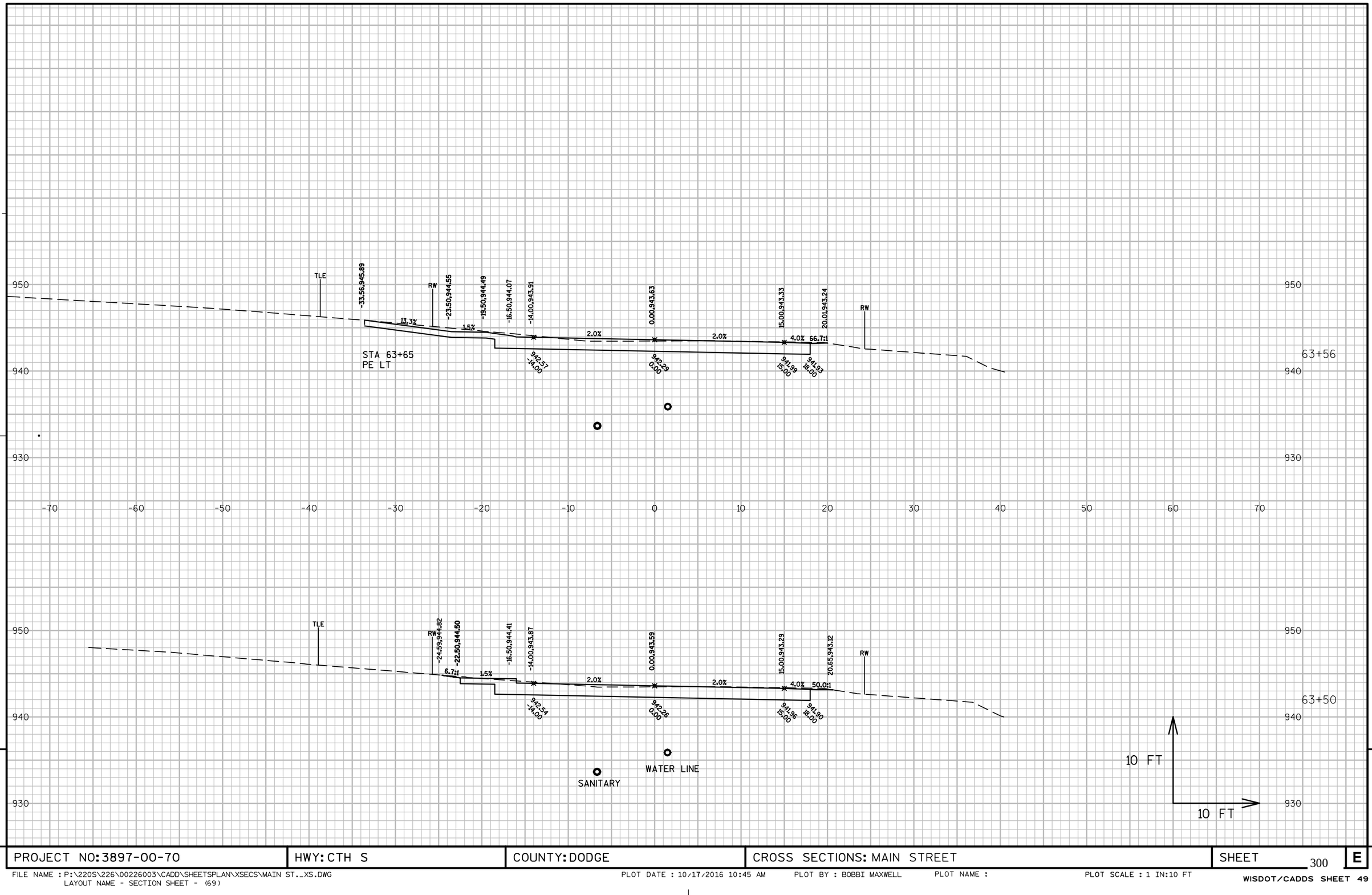


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 299	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (68)

PLOT DATE : 10/17/2016 10:45 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

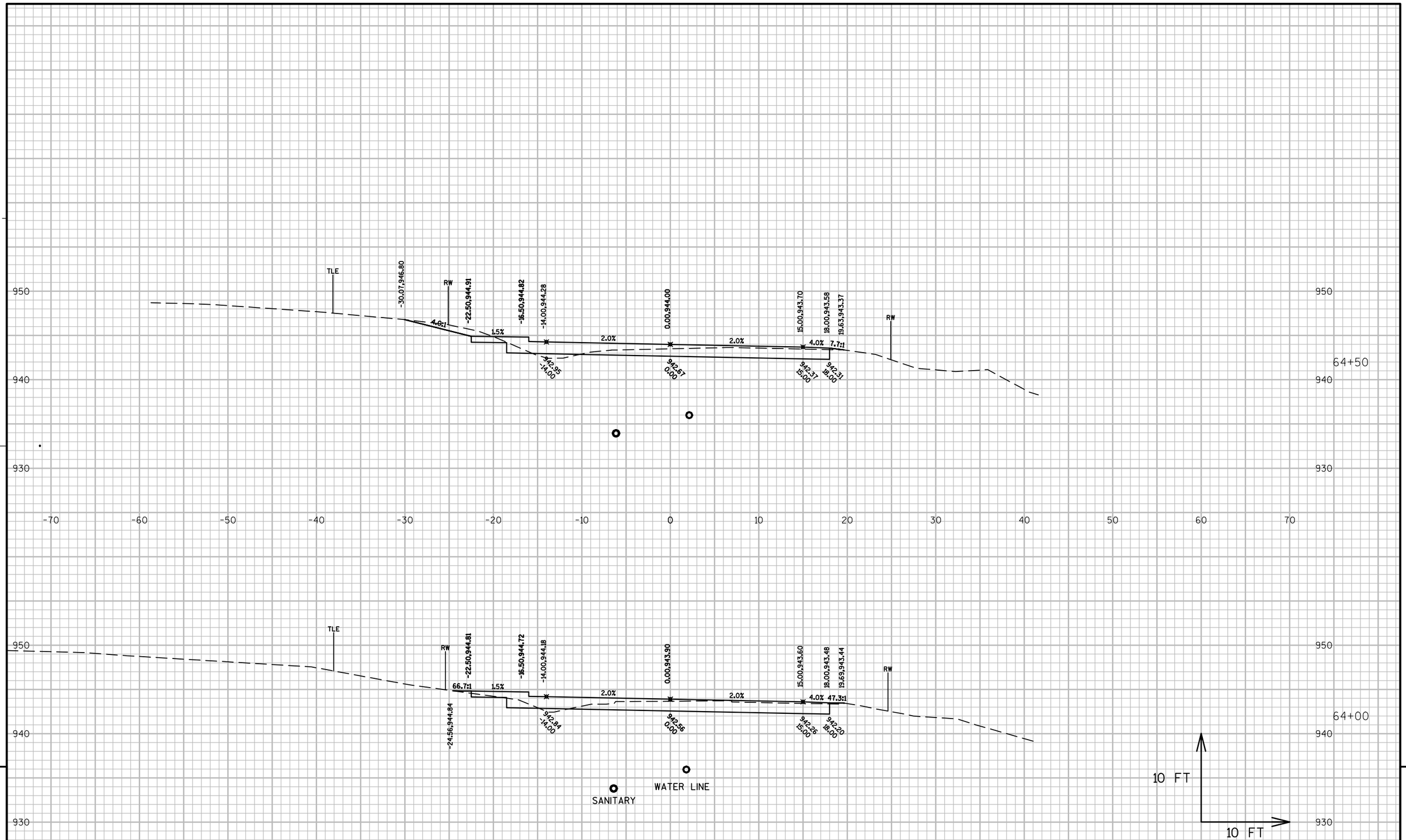
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 300	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (69)

PLOT DATE : 10/17/2016 10:45 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

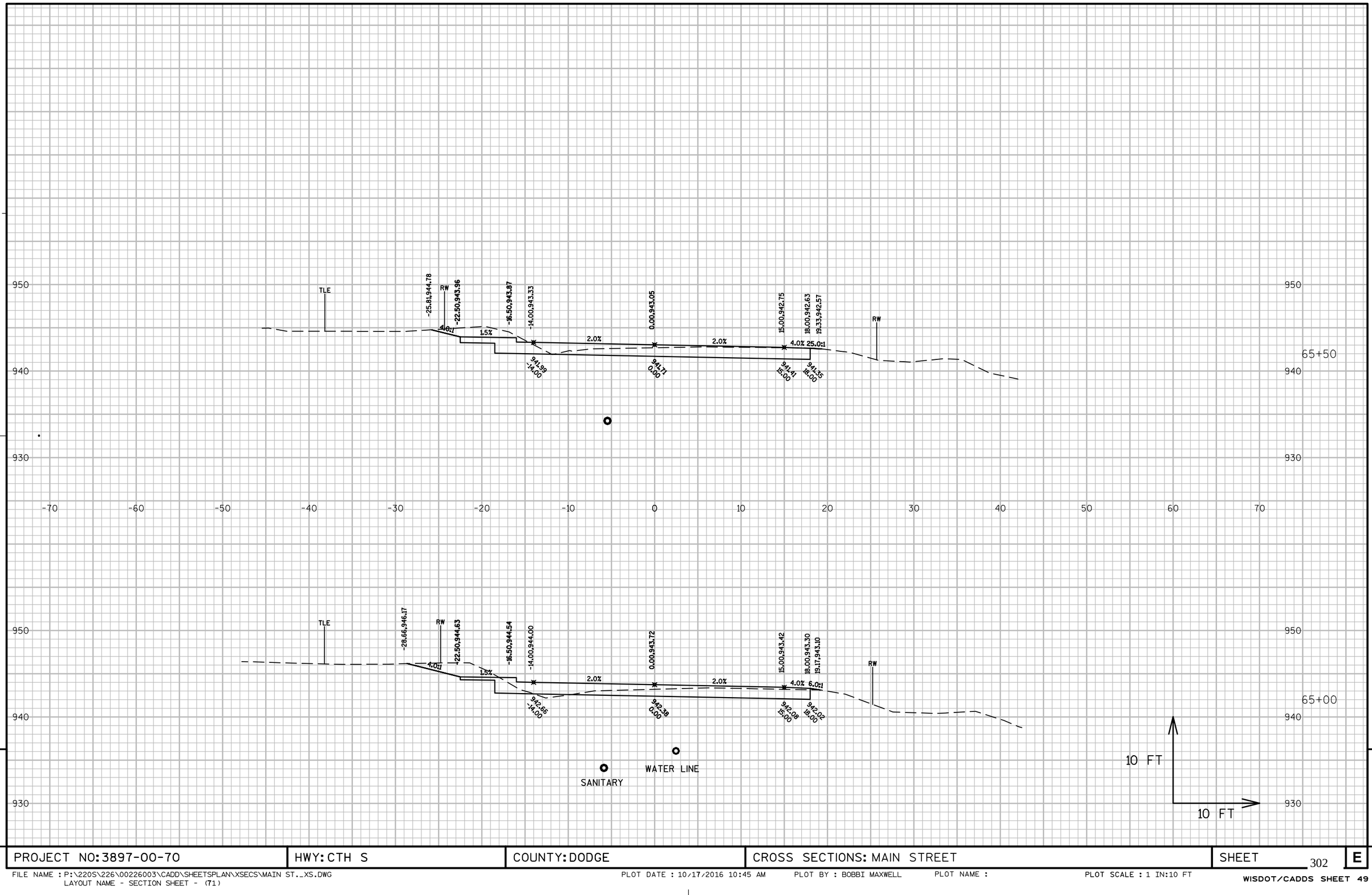


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 301	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (70)

PLOT DATE : 10/17/2016 10:45 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

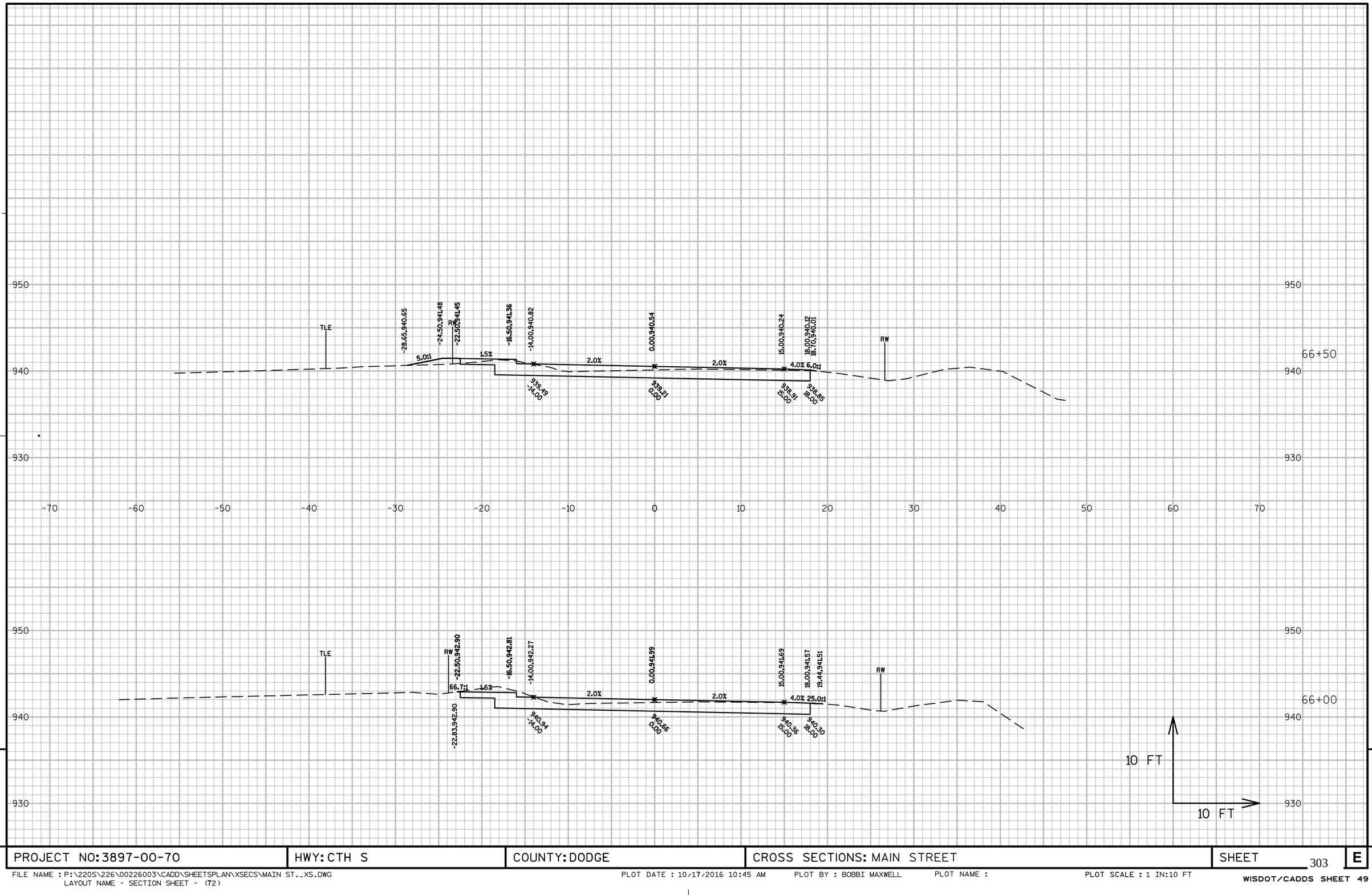


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 302 E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (71)

PLOT DATE : 10/17/2016 10:45 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

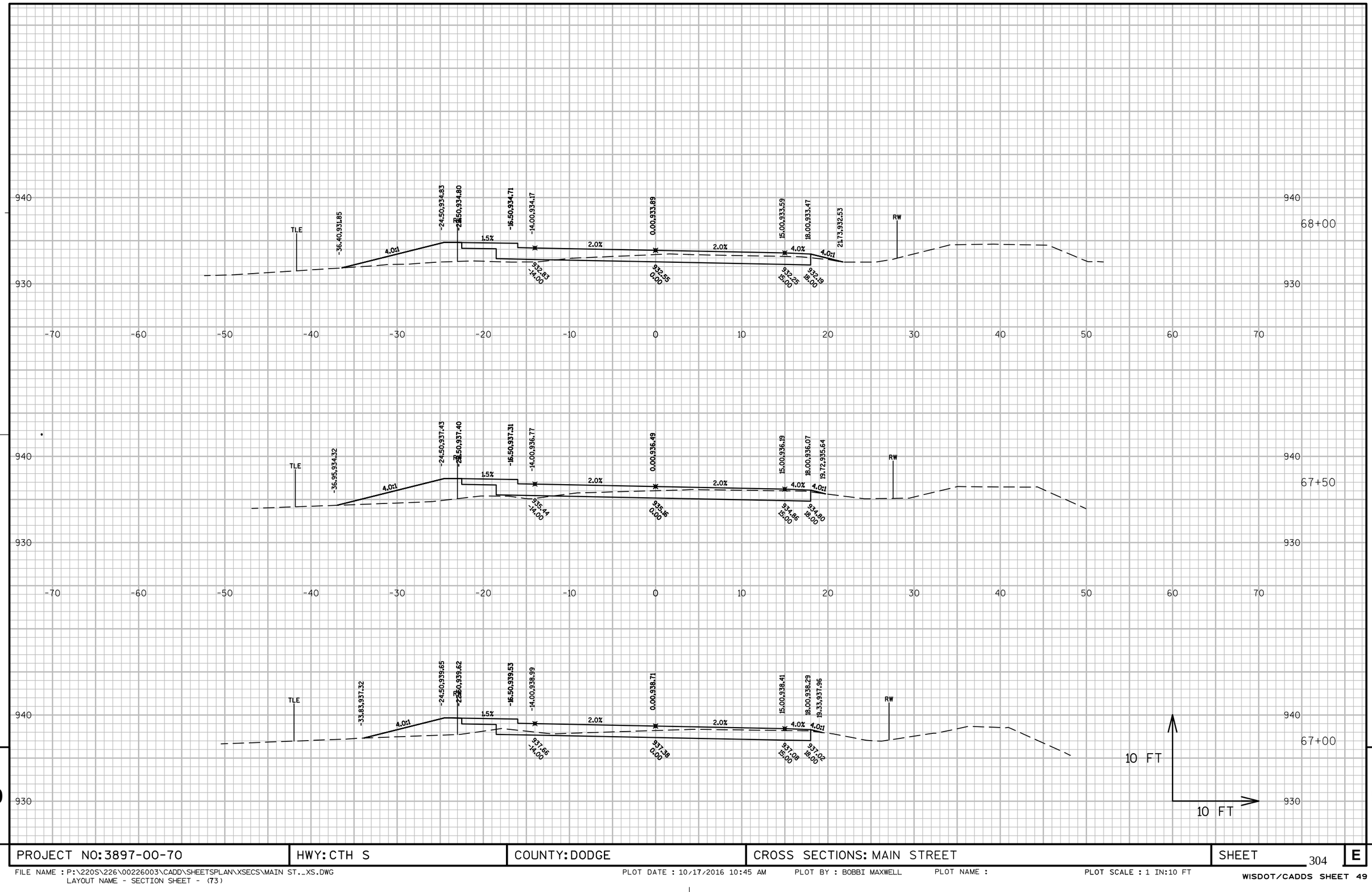
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 303	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (72)

PLOT DATE : 10/17/2016 10:45 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

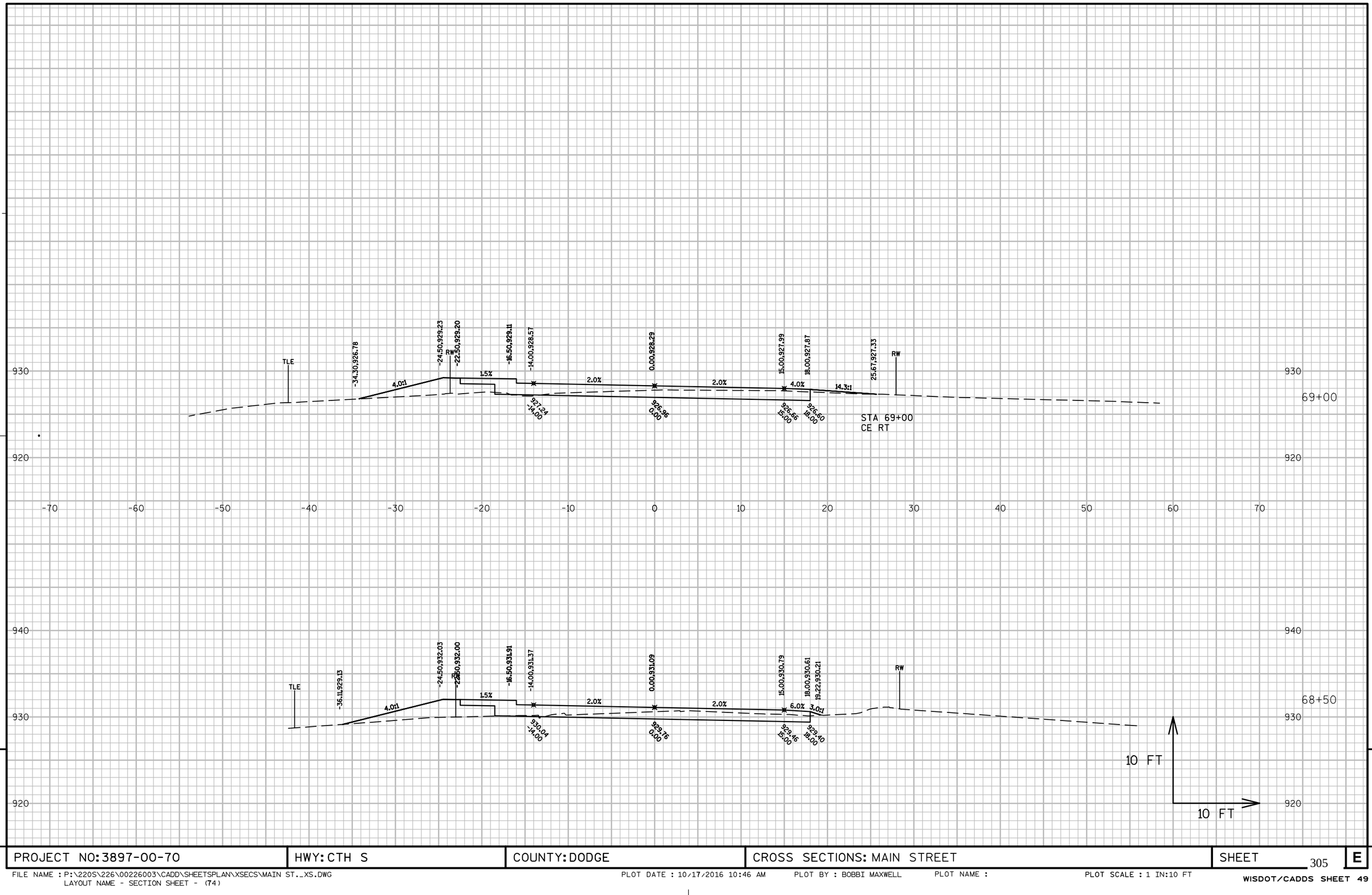
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 304	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (73)

PLOT DATE : 10/17/2016 10:45 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

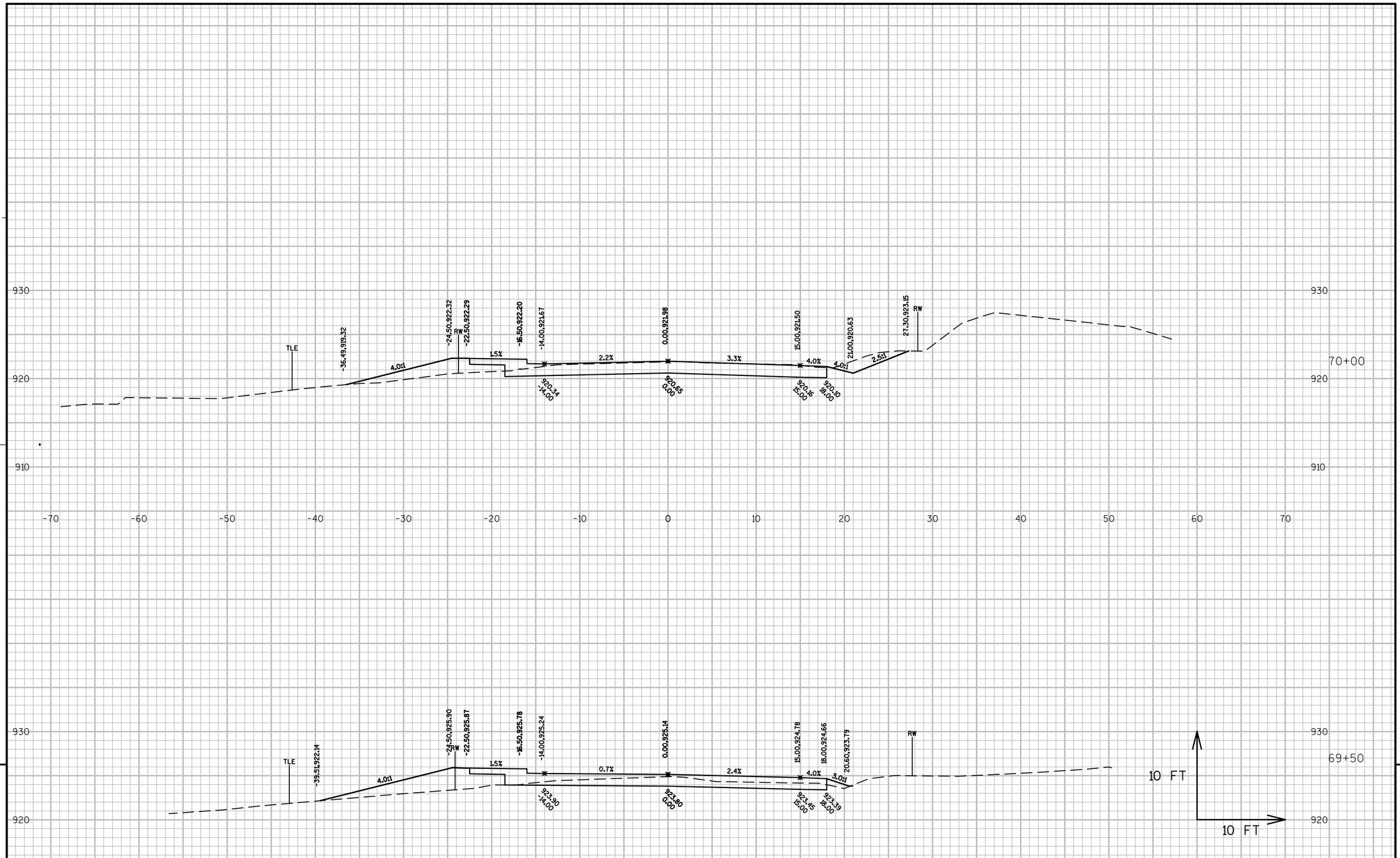


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 305	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (74)

PLOT DATE : 10/17/2016 10:46 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



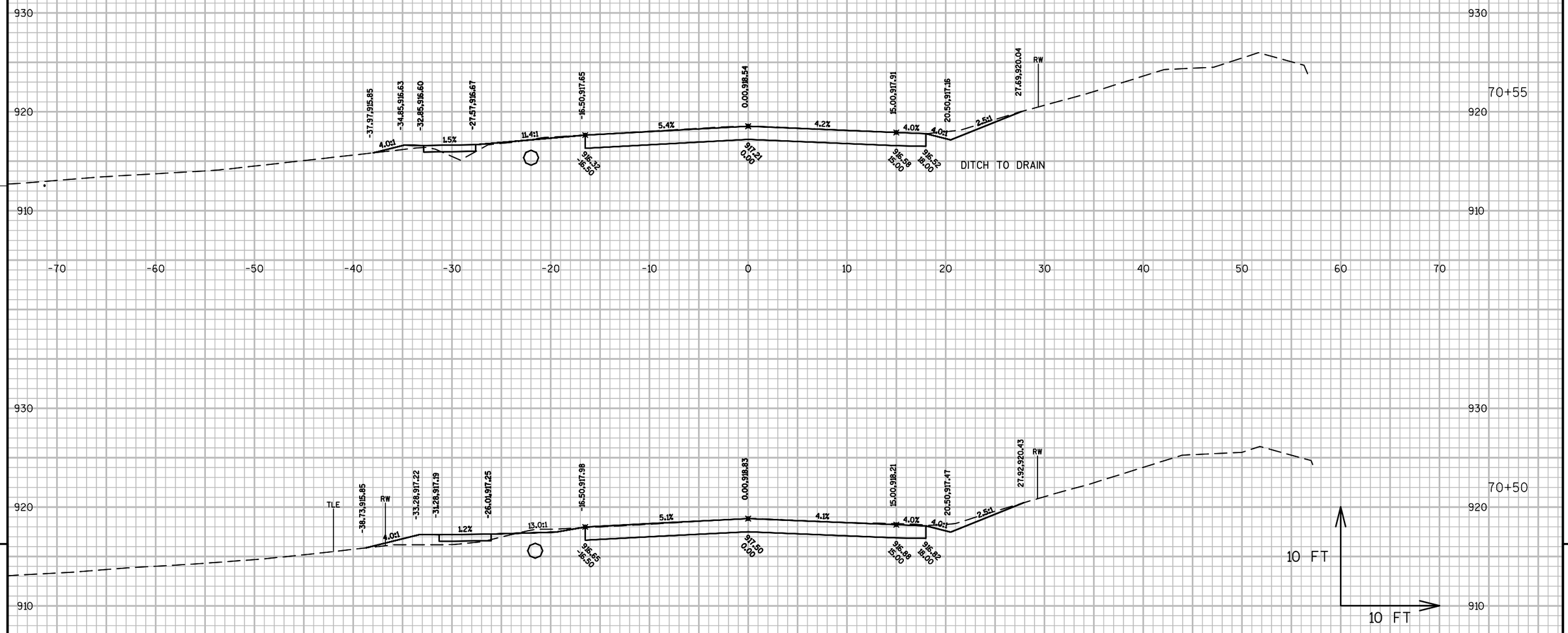
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 306	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (75)

PLOT DATE : 10/17/2016 10:46 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

STA 70+75 END CONSTRUCTION



9

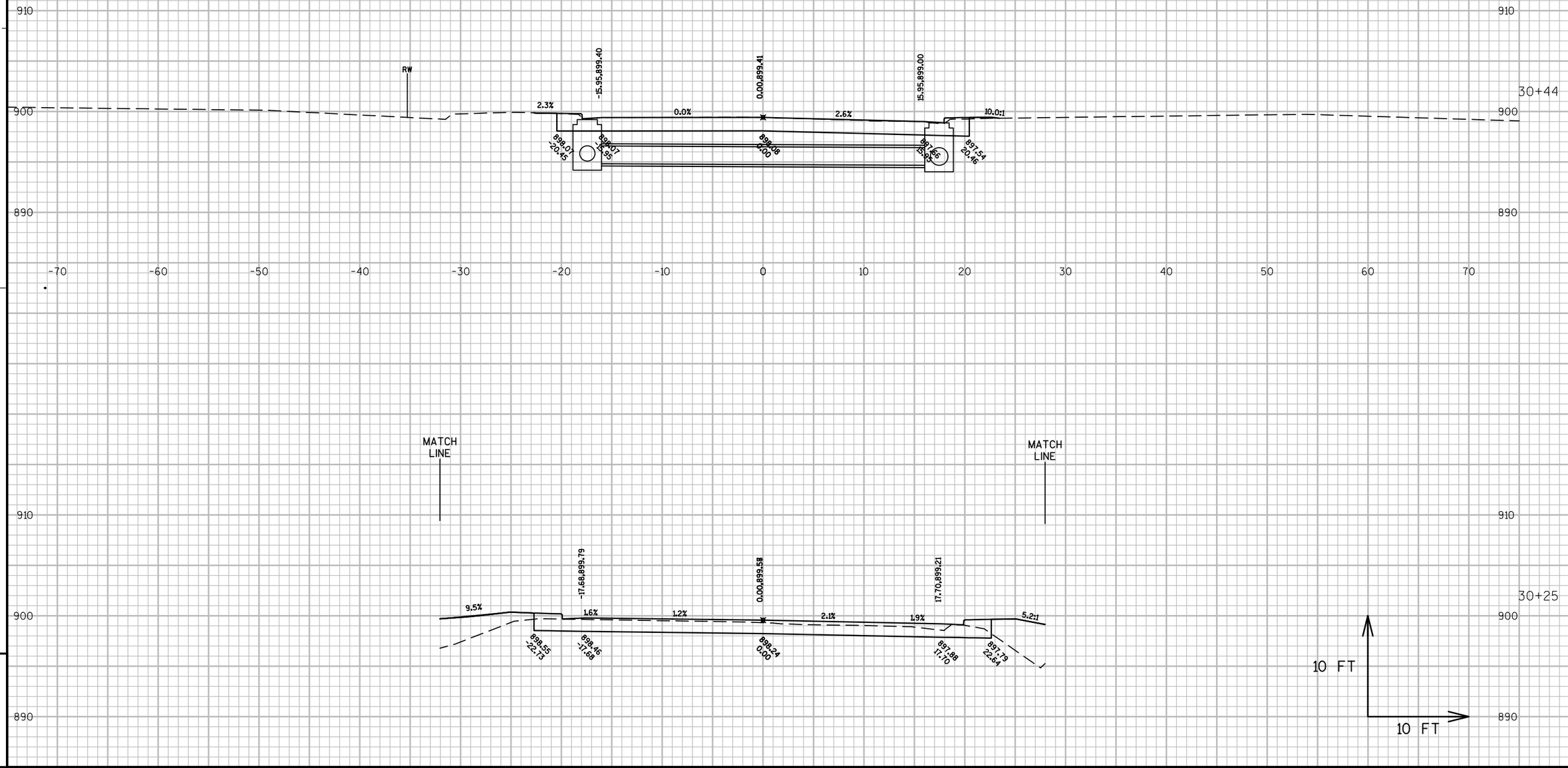
9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: MAIN STREET	SHEET 307	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (88)

PLOT DATE : 10/17/2016 10:46 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

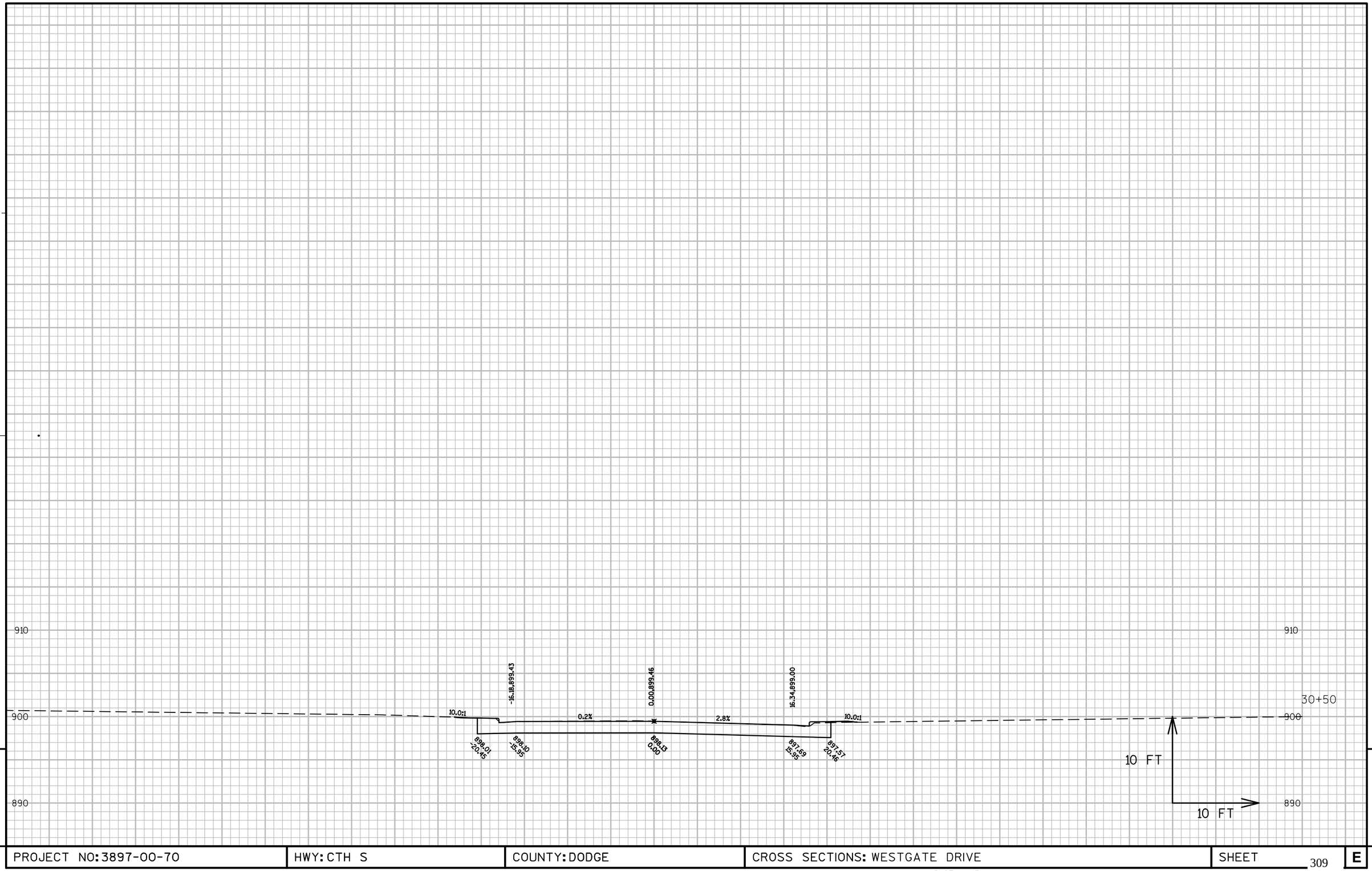
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: WESTGATE DRIVE	SHEET 308	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (76)

PLOT DATE : 10/14/2016 10:05 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

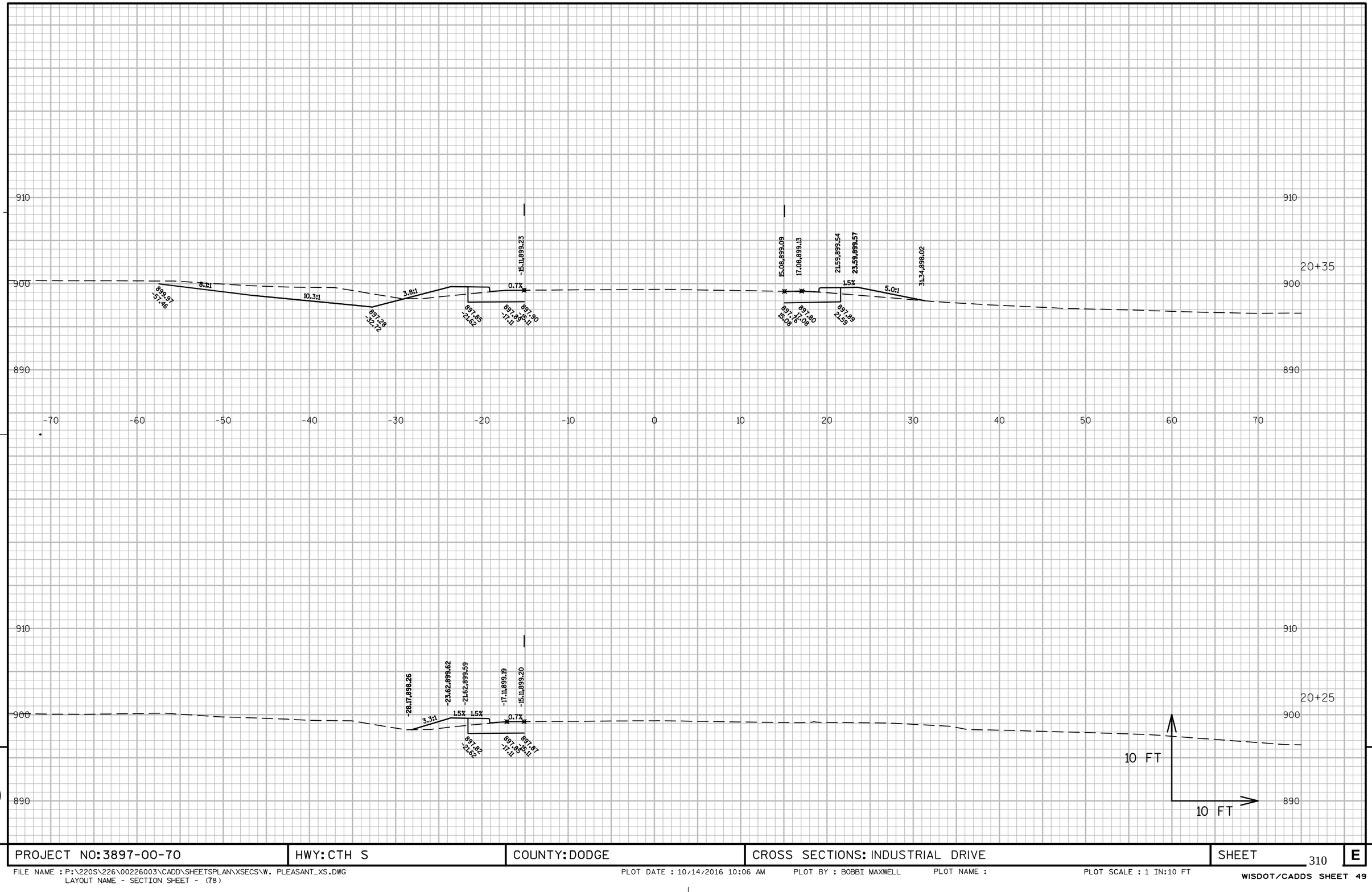


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: WESTGATE DRIVE	SHEET 309	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (77)

PLOT DATE : 10/14/2016 10:05 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

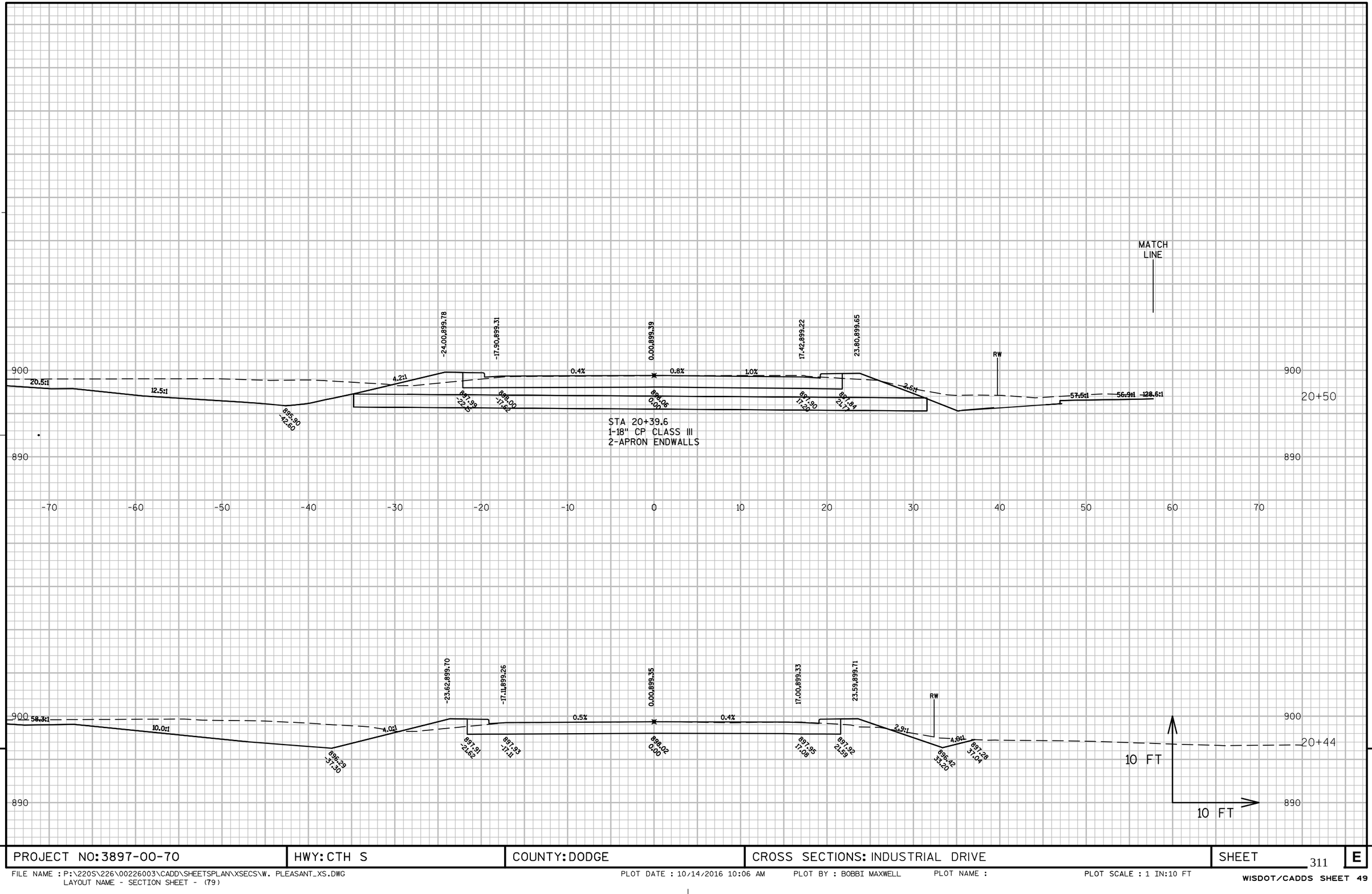
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: INDUSTRIAL DRIVE	SHEET 310	E

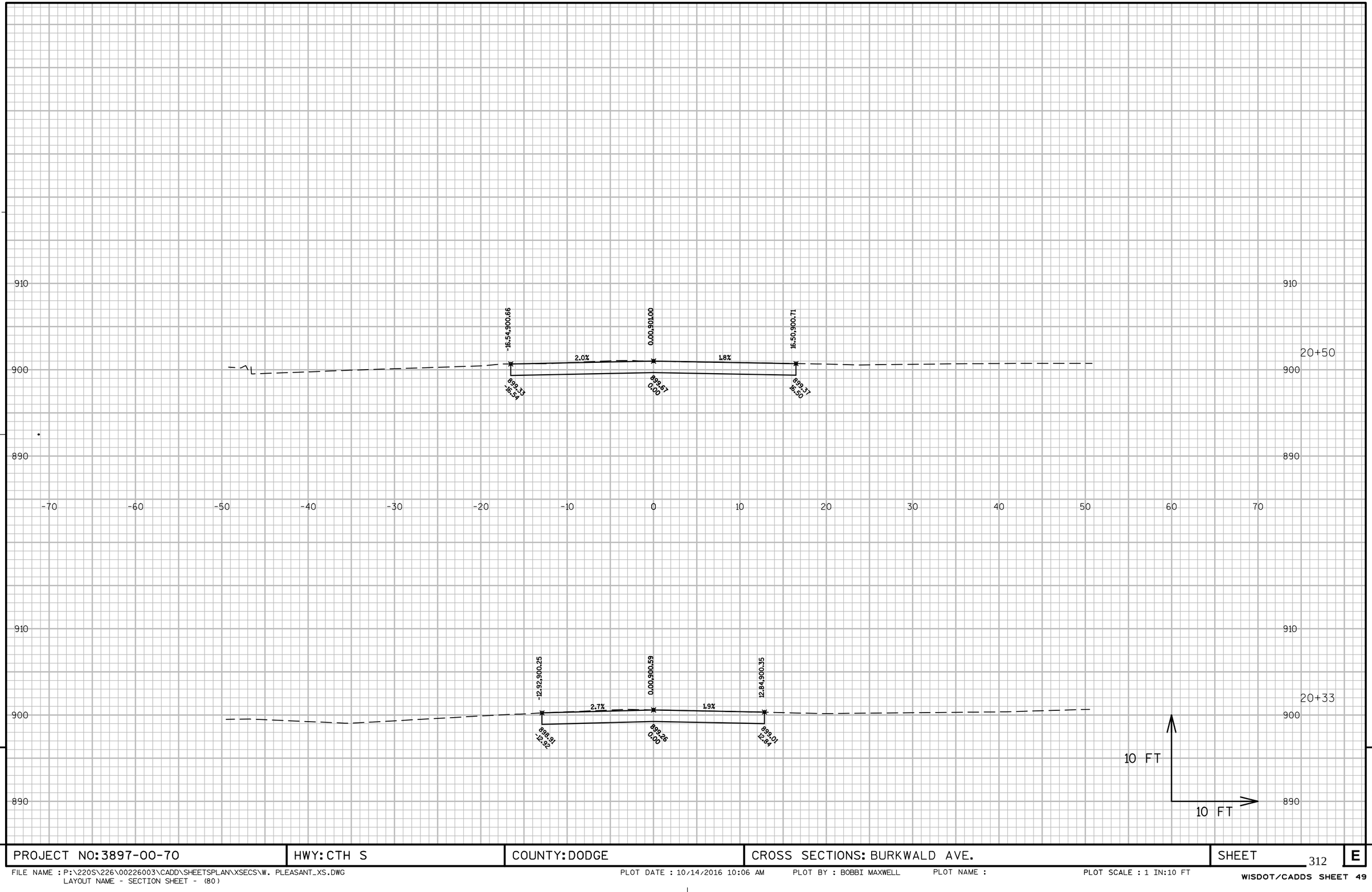
FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (78)

PLOT DATE : 10/14/2016 10:06 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: INDUSTRIAL DRIVE	SHEET 311	E



9

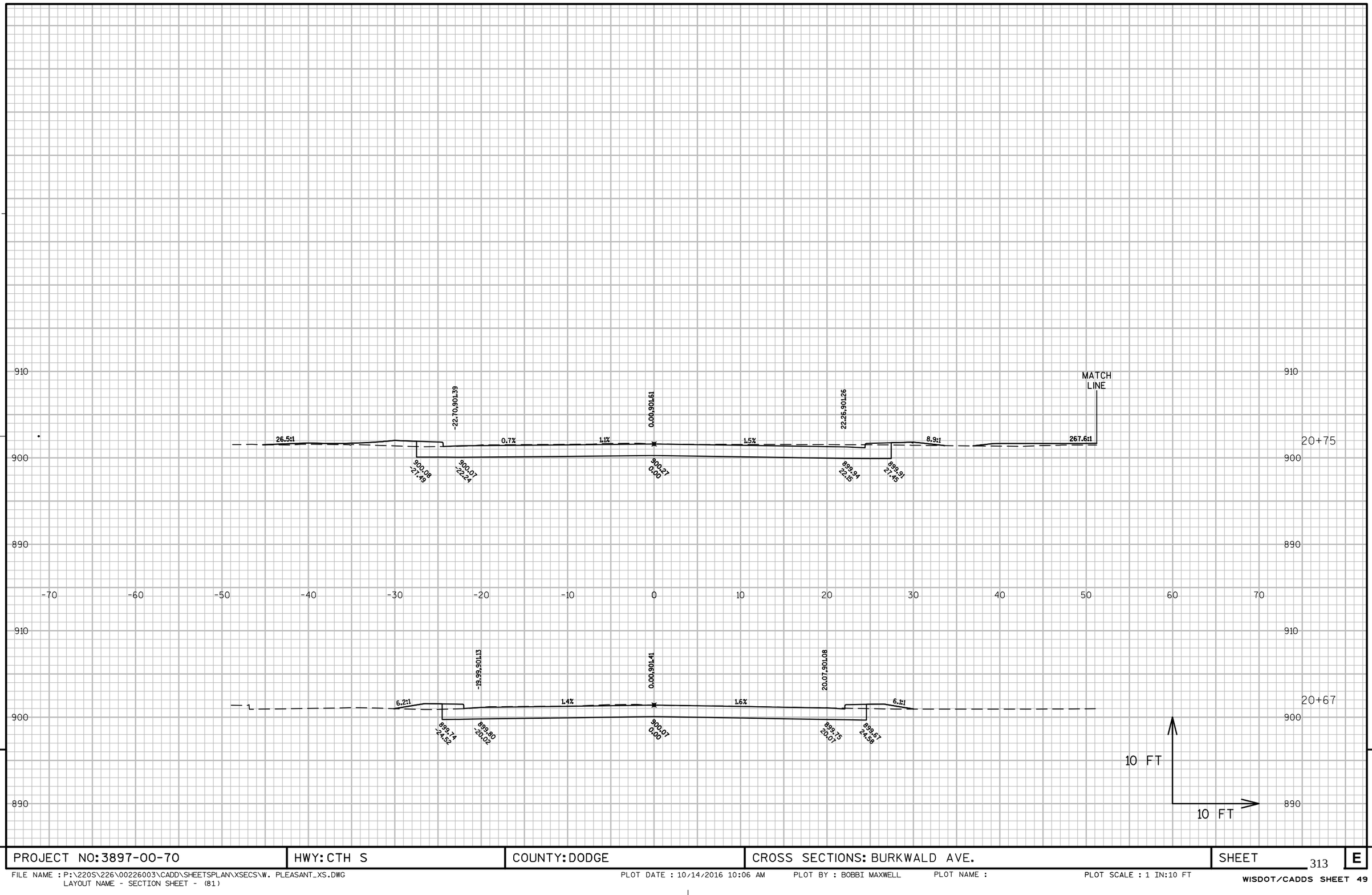
9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: BURKWALD AVE.	SHEET 312	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (80)

PLOT DATE : 10/14/2016 10:06 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

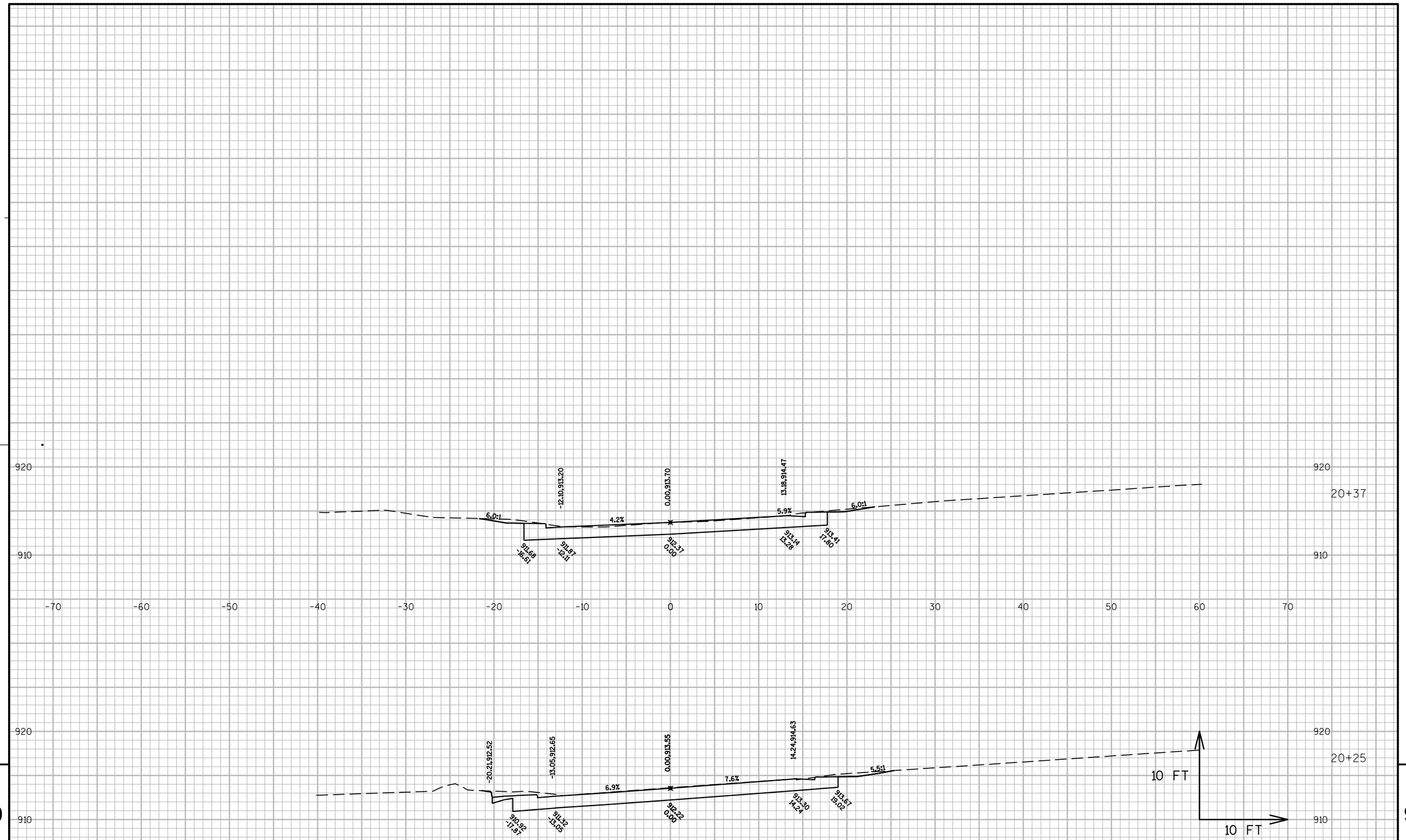


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: BURKWALD AVE.	SHEET 313	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (81)

PLOT DATE : 10/14/2016 10:06 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



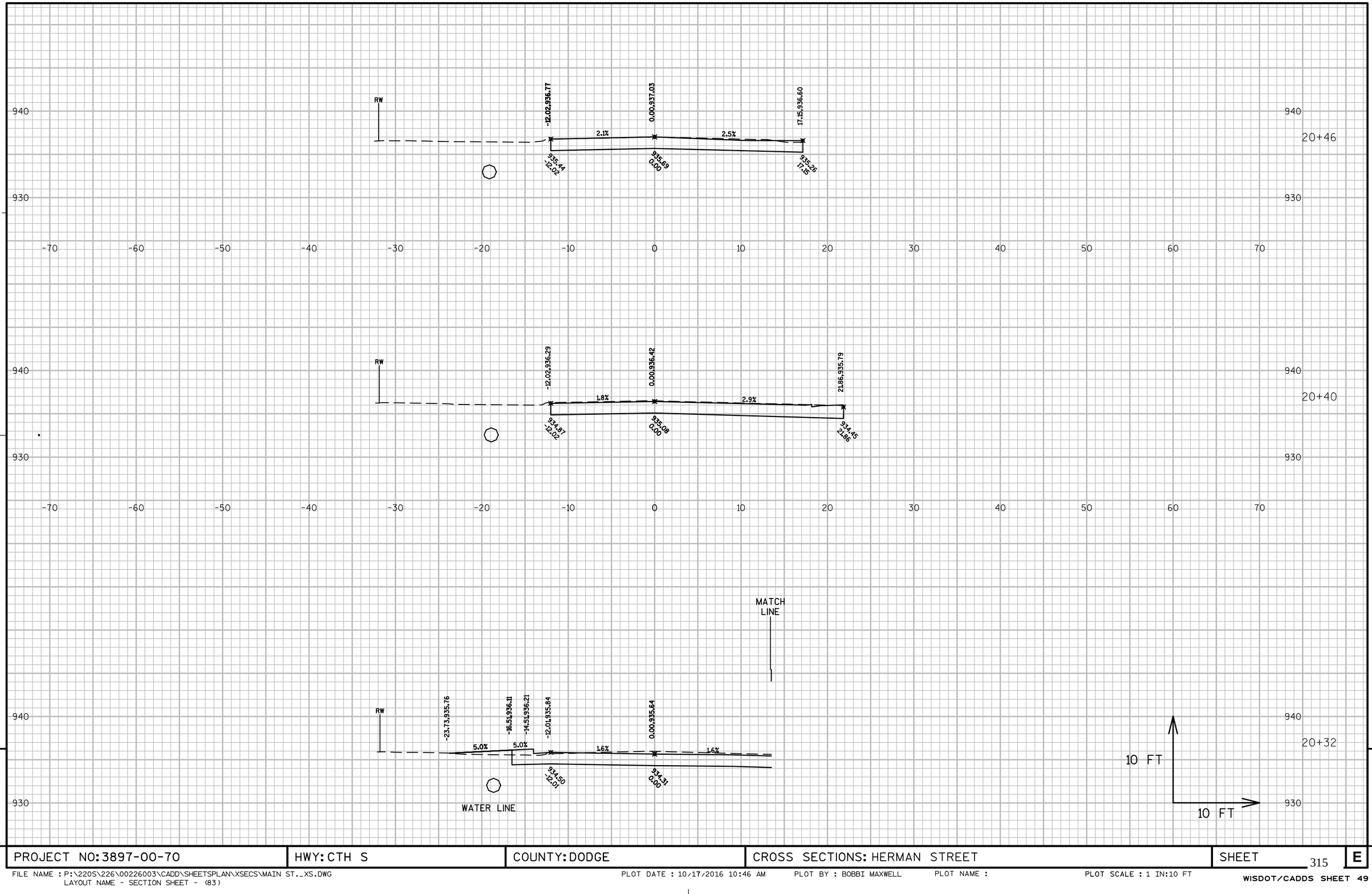
9

9

PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: PARK STREET	SHEET 314	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\W. PLEASANT_XS.DWG
LAYOUT NAME - SECTION SHEET - (82)

PLOT DATE : 10/14/2016 10:06 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

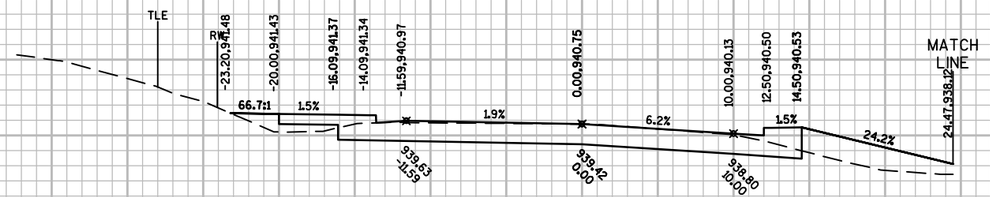
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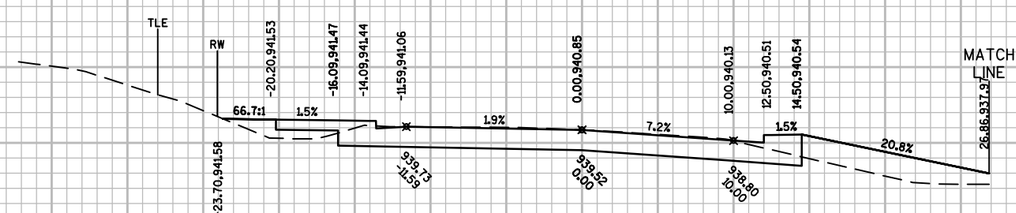
PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: HERMAN STREET	SHEET 315	E

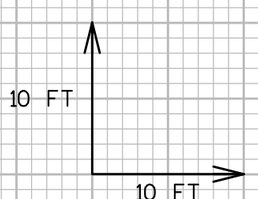
FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (83)

PLOT DATE : 10/17/2016 10:46 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49





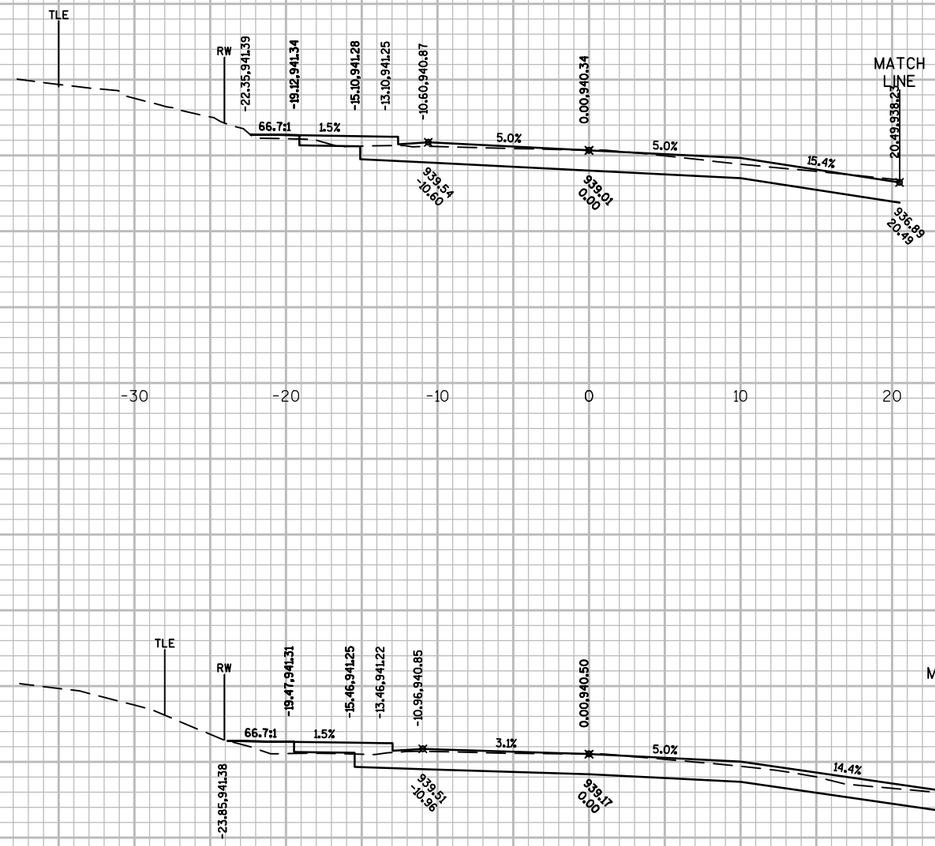


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: HIGHLAND AVE.	SHEET 316	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (84)

PLOT DATE : 10/17/2016 10:46 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



950
940
930
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70
21+27
21+20

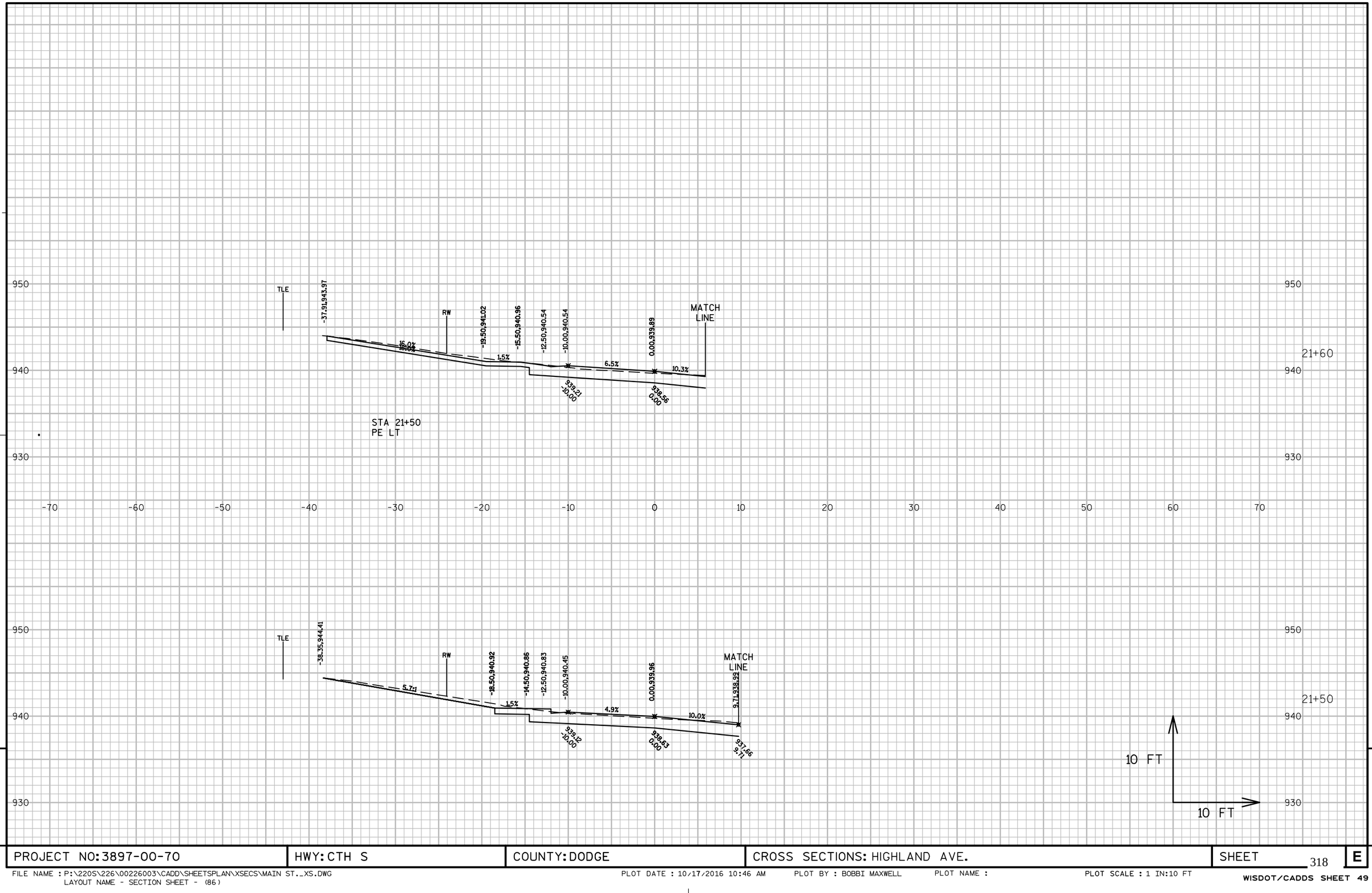
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PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: HIGHLAND AVE.	SHEET 317	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (85)

PLOT DATE : 10/17/2016 10:46 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

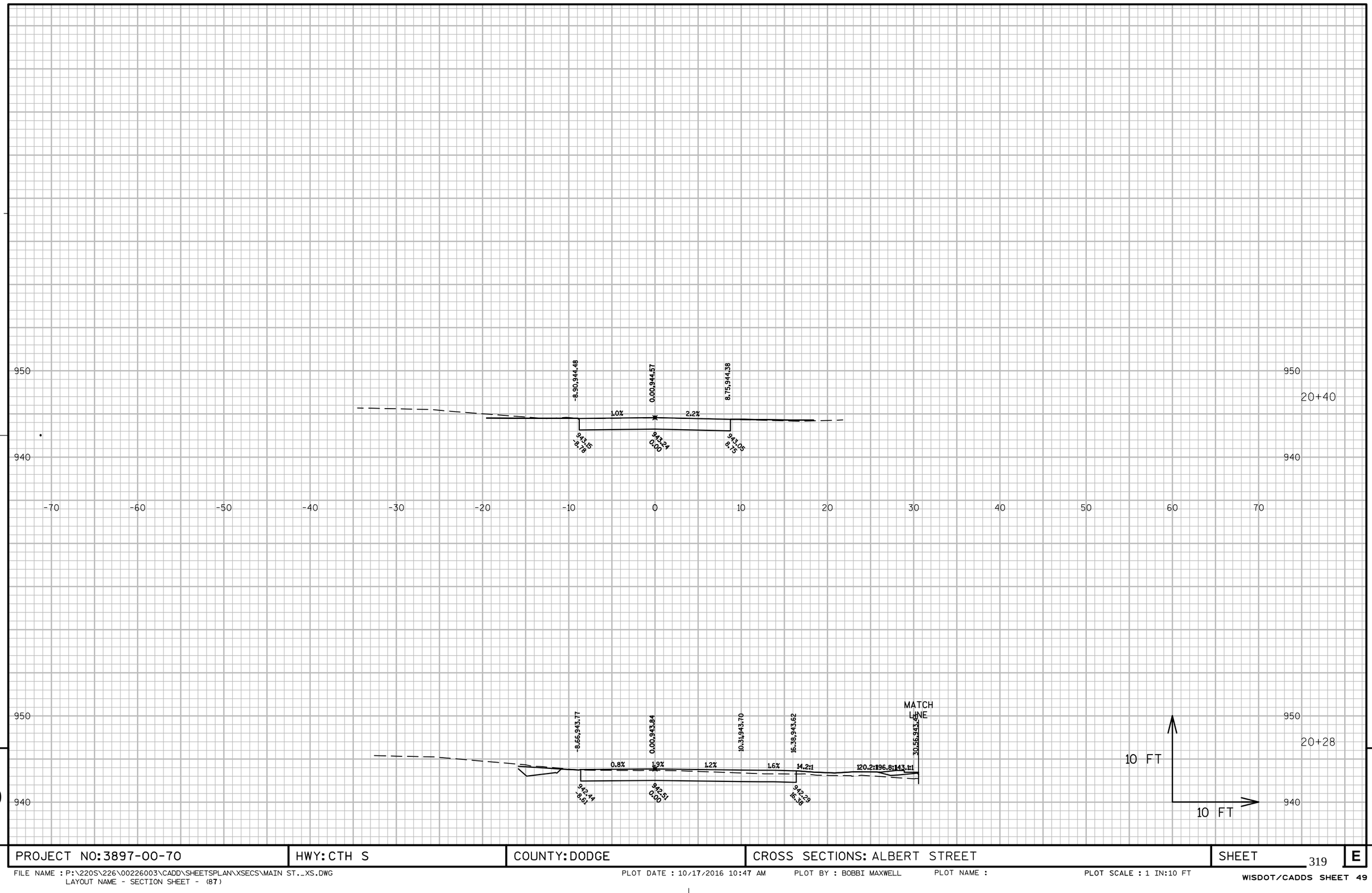


PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: HIGHLAND AVE.	SHEET 318	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (86)

PLOT DATE : 10/17/2016 10:46 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3897-00-70	HWY: CTH S	COUNTY: DODGE	CROSS SECTIONS: ALBERT STREET	SHEET 319	E

FILE NAME : P:\220S\226\00226003\CADD\SHEETSPLAN\XSECS\MAIN ST._XS.DWG
LAYOUT NAME - SECTION SHEET - (87)

PLOT DATE : 10/17/2016 10:47 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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