GRE

DECEMBER 2020

PROJECT ID: WITH: N/A

3876-05-71

COUNTY: FOND DU LAC

ORDER OF SHEETS

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

TOTAL SHEETS = 220

DESIGN DESIGNATION

A.A.D.T.	2021	=	1400
A.A.D.T.	2041	=	1700
D.H.V.		=	226
D.D.		=	60140
T.		=	7.4%
DESIGN SPEED		=	30 MPH
ESALS		=	210,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

V OAKFIELD, CTH D

CTH Y - N. SCHOOL STREET

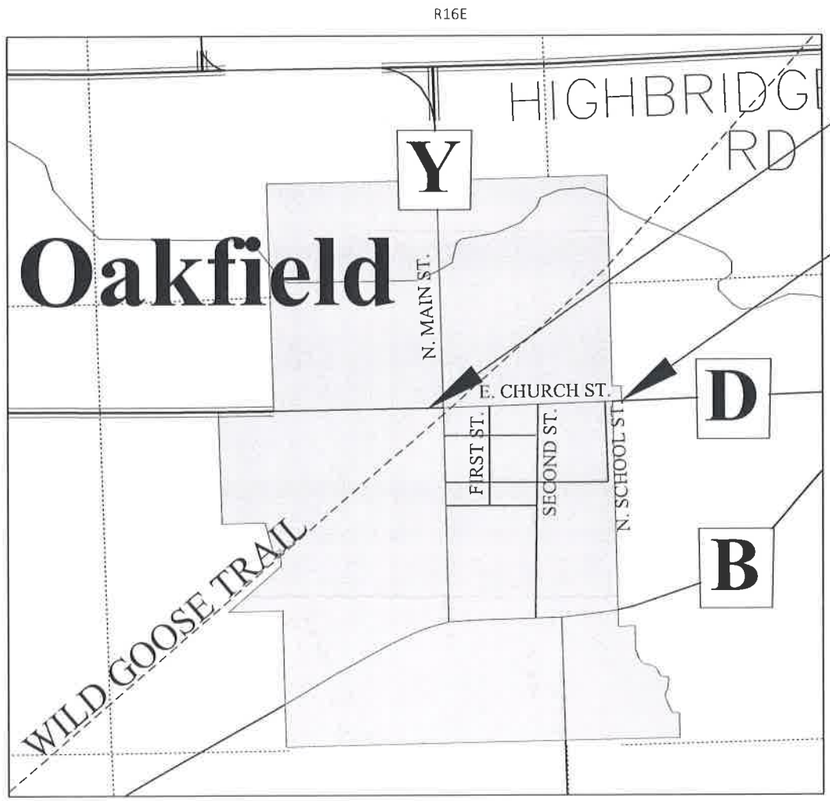
CTH D

FOND DU LAC COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3876-05-71	WISC 2021035	1

STATE PROJECT NUMBER

3876-05-71



BEGIN PROJECT
STA 19+05
X = 352,383.24
Y = 790,246.47

END PROJECT
STA 43+75
X = 352,417.58
Y = 792,717.00

LAYOUT

SCALE 0 0.33 MI

TOTAL NET LENGTH OF CENTERLINE = 0.468

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, FOND DU LAC COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ACCEPTED FOR
FOND DU LAC COUNTY

(SIGNATURE)

DATE: 7-1-2020 HIGHWAY COORD.
TITLE OF OFFICIAL

ORIGINAL PLANS PREPARED BY

MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1230 SOUTH BOULEVARD, BARABOO, WI 53913
(608) 356-2771 www.msa-ps.com

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WISCONSIN
BOBBI L. MAXWELL
39012-005
BARABOO
WI
PROFESSIONAL ENGINEER

Bobbi L. Maxwell 6-30-20

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MSA PROFESSIONAL SERVICES, INC.
Designer	MSA PROFESSIONAL SERVICES, INC.
NER Regional Examiner	BRIAN EDWARDS, P.E.
Regional Supervisor	JAMES THOMPSON, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 7/13/2020 Brian O. Edwards (Signature)

E

FILE NAME : P:\80005\80305\8038\08038013\CADD\SHEETSPLAN\010101-T1.DWG

PLOT DATE : 6/29/2020 2:02 PM PLOT BY : BOBBI MAXWELL PLOT NAME :

GENERAL NOTES

MISCELLANEOUS

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.

PIPE ELEVATIONS, LENGTHS AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

REMOVALS

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

GRADING AND EROSION CONTROL

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY ARE TO BE FERTILIZED, PERMANENT SEEDED, TEMPORARILY SEEDED OR MULCH OR EMAT PLACED AS DIRECTED BY THE ENGINEER.

EXCAVATION BELOW SUBGRADE (EBS) WHICH IS NOT INDICATED ON THE CROSS SECTIONS AND WHICH IS REQUIRED BY THE ENGINEER SHALL BE MEASURED AND PAID FOR AS COMMON EXCAVATION. EBS IS NOT USED TO BALANCE YARDAGE.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER SHALL DETERMINE THE EXACT LOCATION OF EROSION CONTROL ITEMS. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. REMOVE ITEMS AT ENGINEER'S DIRECTION.

FILL EXPANSION IS ESTIMATED AT 1.25.

PAVING

CURVE DATA BASED ON ARC DEFINITION.

RADII DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLAG LINE.

HMA WEIGHT CALCULATIONS BASED ON 112 LBS/SY/IN.

UNLESS OTHERWISE SHOWN ON THE PLAN, ALL MATCHING DRIVEWAYS AND STREETS SHALL BE SAWCUT. COST OF CUTTING IS TO BE PAID FOR UNDER "SAWING ASPHALT" FOR ASPHALT PAVEMENT OR "SAWING CONCRETE" FOR CONCRETE PAVEMENT.

STORM SEWER

INLET OFFSETS GIVEN TO THE CENTER OF THE STRUCTURE.

WHERE TYING INTO EXISTING STRUCTURES OR PIPES, VERIFY EXISTING ELEVATIONS AND DIMENSIONS PRIOR TO ORDERING MATERIALS.

SECTION 2 ORDER OF SHEETS

1. GENERAL NOTES
2. PROJECT OVERVIEW
3. EXISTING TYPICAL SECTIONS
4. FINISHED TYPICAL SECTIONS
5. CONSTRUCTION DETAILS
6. PLAN DETAILS/INTERSECTIONS
7. EROSION CONTROL
8. STORM SEWER
9. WATER/SANITARY SEWER
9. SIGNING/PAVEMENT MARKING
10. TRAFFIC CONTROL/STAGING

ABBREVIATIONS

AC	ACRES
AC	ASPHALT CEMENT
AEW	APRON ENDWALL
ASPH	ASPHALT
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BAD	BASE AGGREGATE DENSE
BM	BENCHMARK
CL	CENTERLINE
CC	CENTER TO CENTER
CONC	CONCRETE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSCP	CORRUGATED STEEL CULVERT PIPE
CSM	CERTIFIED SURVEY MAP
CTH	COUNTY TRUNK HIGHWAY
CULV	CULVERT
CP	CULVERT PIPE
C&G	CURB & GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOURLY VOLUME
DIA	DIAMETER
DWY	DRIVEWAY
E	EAST
X	EAST GRID COORDINATE
ELEV	ELEVATION
EW	ENDWALL
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FF	FACE TO FACE
FERT	FERTILIZER
FE	FIELD ENTRANCE
FG	FINISHED GRADE
FT	FOOT
G.V.	GAS VALVE
INV	INVERT
IP	IRON PIPE
JCT	JUNCTION
LHF	LEFT HAND FORWARD
L	LENGTH
LS	LUMP SUM
NC	NORMAL CROWN
N	NORTH
Y	NORTH GRID COORDINATE
PACS	PIPE ARCH CORRUGATED STEEL
PT	POINT
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PL	PROPERTY LINE
PE	PRIVATE ENTRANCE
R	RADIUS
REQ'D	REQUIRED
R/W	RIGHT-OF-WAY
RHF	RIGHT HAND FORWARD
SALV	SALVAGED
SHLDR	SHOULDER
SDD	STANDARD DETAIL DRAWING
STA	STATION
SE	SUPERELEVATION
TAN	TANGENT
TLE	TEMPORARY LIMITED EASEMENT
T	TRUCKS
TYP	TYPICAL
VERT	VERTICAL
VC	VERTICAL CURVE
VOL	VOLUME
WV	WATER VALVE
W	WELL

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

*NOT A DIGGERS HOTLINE MEMBER

UTILITIES

*WATER/SANITARY:
VILLAGE OF OAKFIELD
ATTN: DAN REDMAN
203 W CHURCH STREET
OAKFIELD, WI 53065
OFFICE: 920-583-3495
CELL: 920-948-5344
EMAIL: REDMAN2@CHARTER.NET

COMMUNICATION:
FRONTIER COMMUNICATIONS OF WI LLC
ATTN: RUSS RYAN
315 OAK ST
OAKFIELD, WI 53065
OFFICE: 920-737-9662
EMAIL: RUSSELL.W.RYAN@FTR.COM

GAS:
ALLIANT ENERGY
ATTN: MARY MONTGOMERY
200 FIRST STREET
CEDAR RAPIDS, IA 52401
OFFICE: 319-786-4768
EMAIL: MARYMONTGOMERY@ALLIANTENERGY.COM

COMMUNICATION:
CHARTER COMMUNICATIONS
ATTN: TODD HILDEBRANDT
165 KNIGHTS WAY
FOND DU LAC, WI 54935
OFFICE: 920-427-6515
EMAIL: TODD.HILDEBRANDT@CHARTER.COM

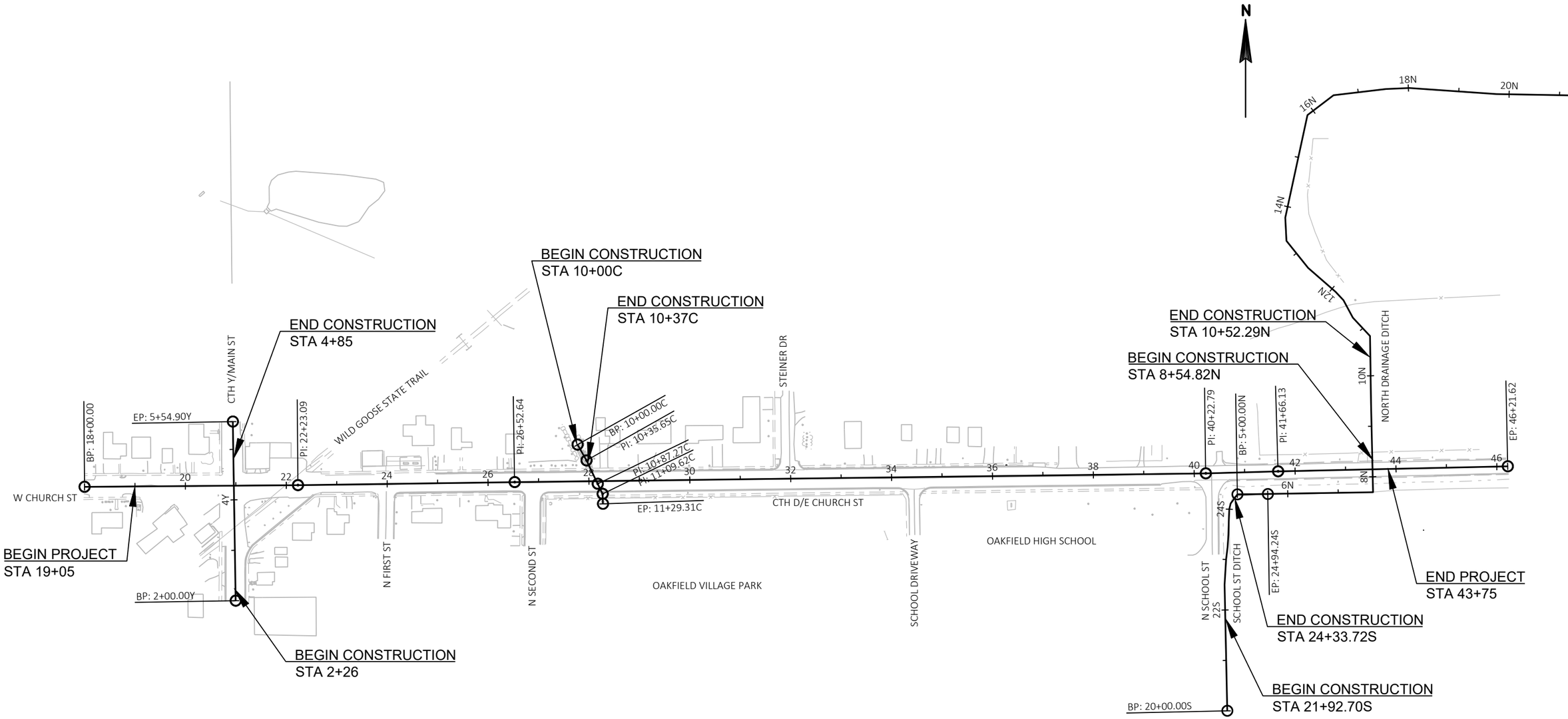
COMMUNICATION:
AT&T
ATTN: KENNETH COLWELL
222 W. JACKSON
WOODSTOCK, IL 60098
OFFICE: 312-734-2223
CELL: 630-383-9249
EMAIL: KC1298@ATT.COM

ELECTRIC:
ALLIANT ENERGY
ATTN:MARY MONTGOMERY
200 FIRST STREET
CEDAR RAPIDS, IA 52401
OFFICE: 319-786-4768
EMAIL: MARYMONTGOMERY@ALLIANTENERGY.COM

DNR LIAISON

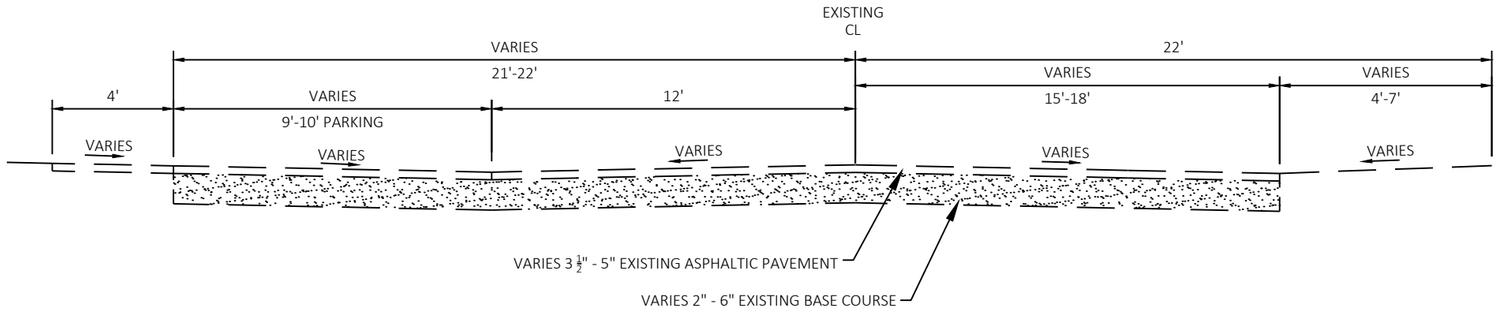
WISCONSIN DEPARMENT OF NATURAL RESOURCES
ATTN: JAY SCHIEFELBEIN
ENVIRONMENTAL ANALYSIS & REVIEW SPECIALIST
DNR NORTHEAST REGIONAL HEADQUARTERS
2984 SHAWANO AVE.
GREEN BAY, WI 54313
OFFICE: 920-360-3784
EMAIL: JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV

2



PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PROJECT OVERVIEW	SHEET 3	E

2



EXISTING TYPICAL SECTION

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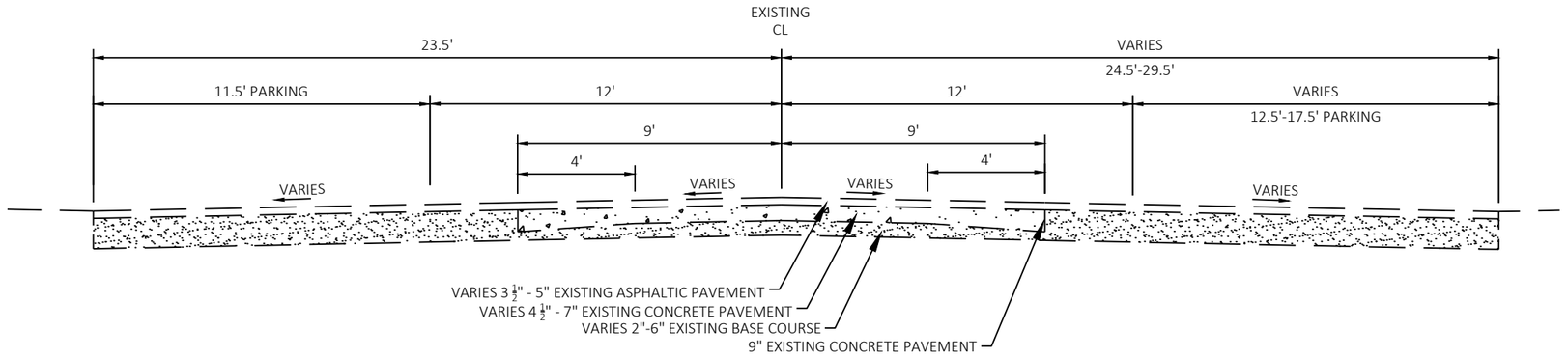
STA 19+05 - STA 22+25



EXISTING TYPICAL SECTION

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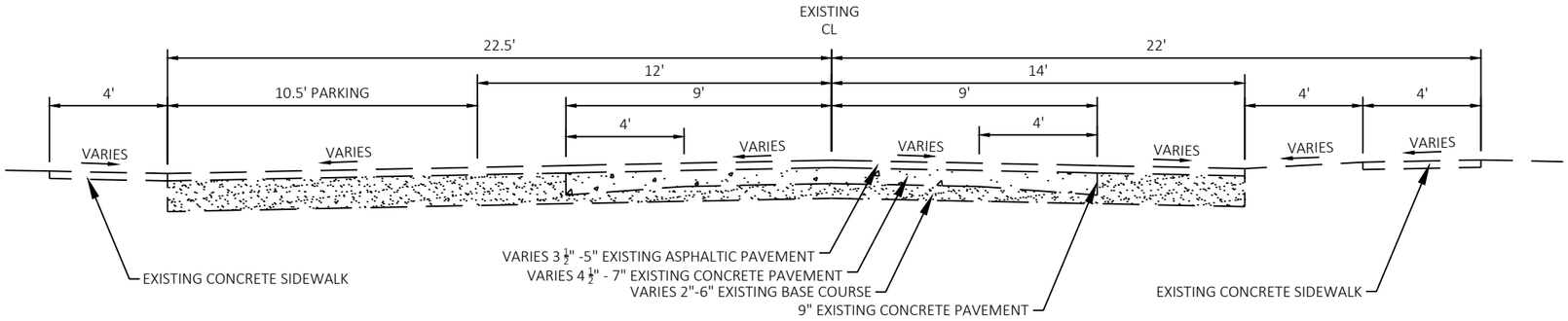

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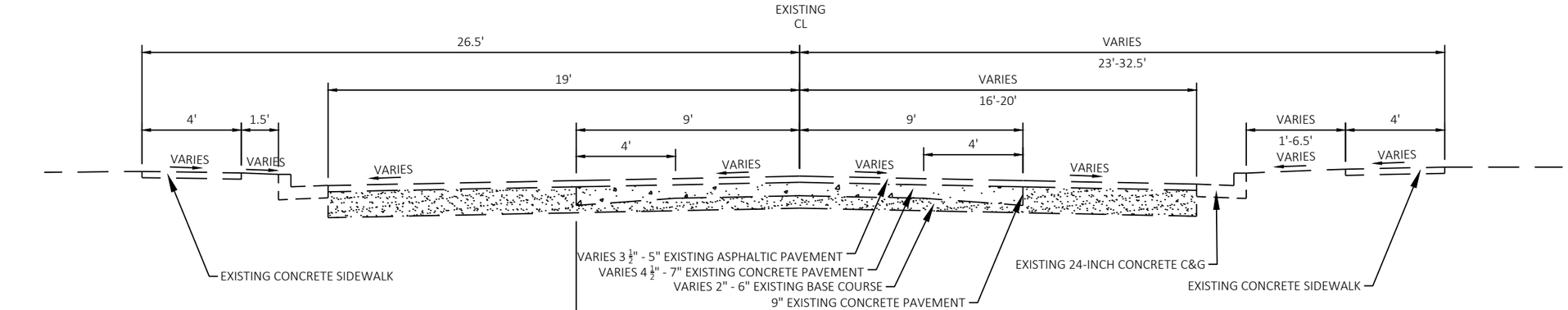

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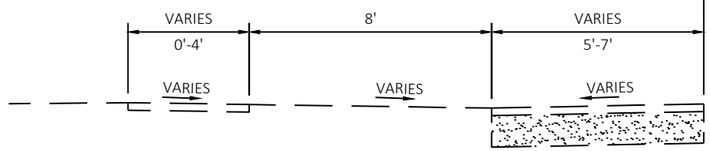

EXISTING TYPICAL SECTION

CTH D
STA 36+80 - STA 39+33

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN: TYPICAL SECTIONS	SHEET 5	E

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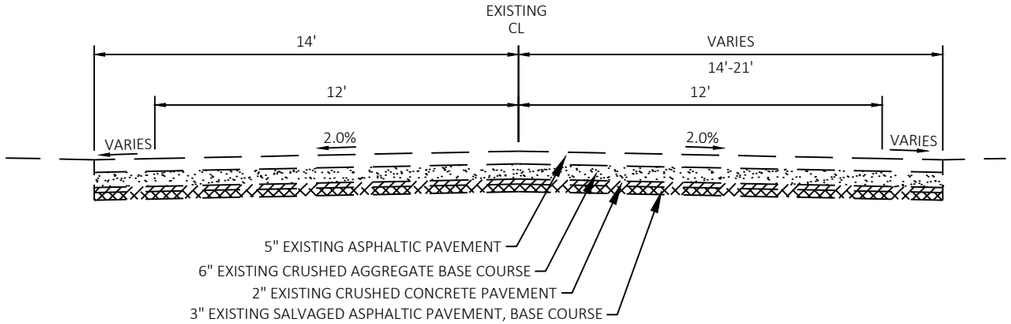
LAYOUT NAME - 02

PLOT DATE : 7/13/2020 2:01 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:5 FT



EXISTING TYPICAL SECTION

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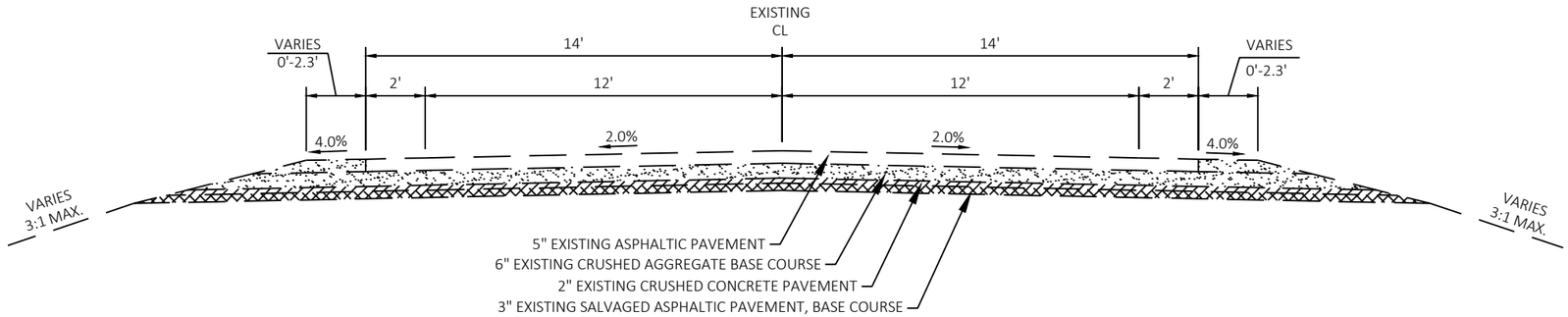

EXISTING TYPICAL SECTION

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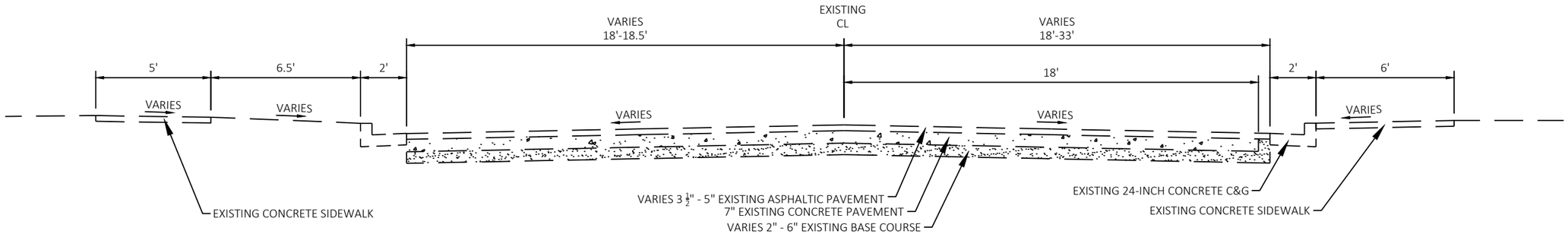

EXISTING TYPICAL SECTION

CTH Y
STA 2+26 - STA 3+08.38

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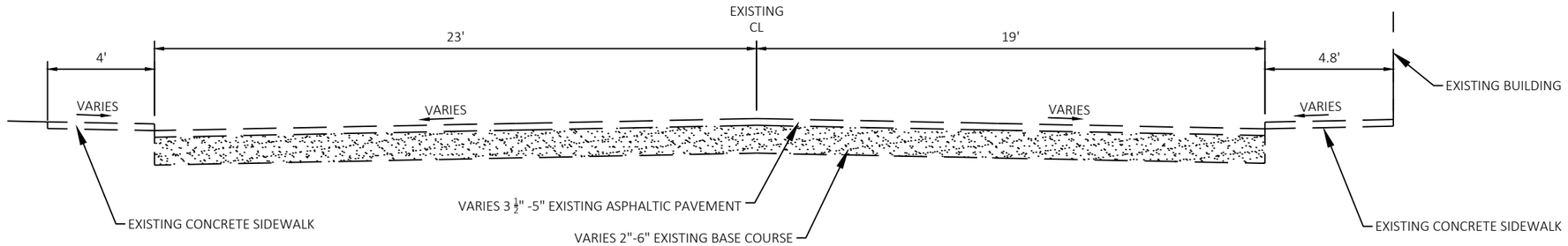

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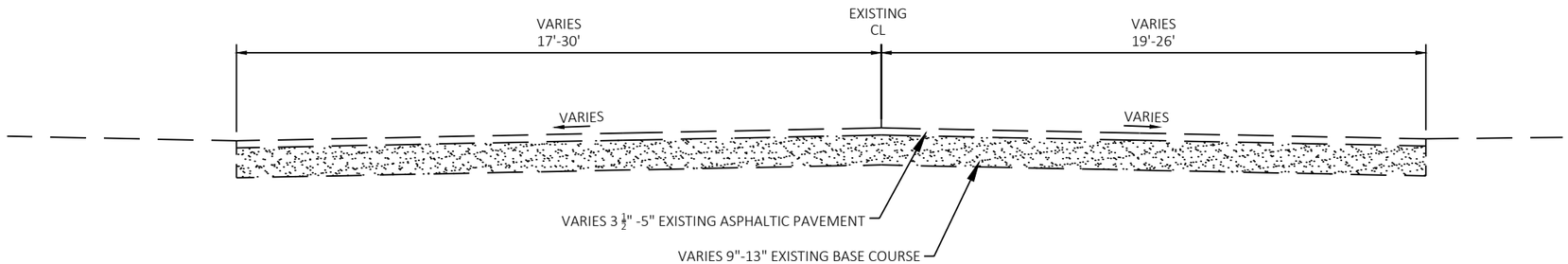
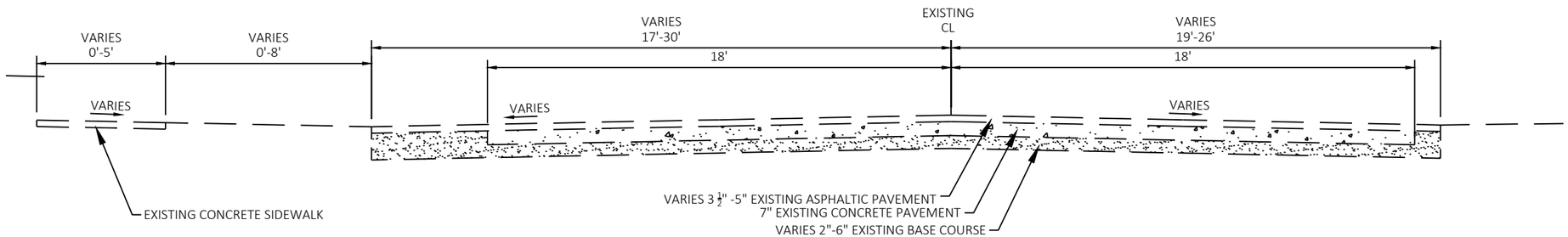
STA 4+48 - STA 4+85



EXISTING TYPICAL SECTION

CTH Y
STA 3+50 - STA 4+48

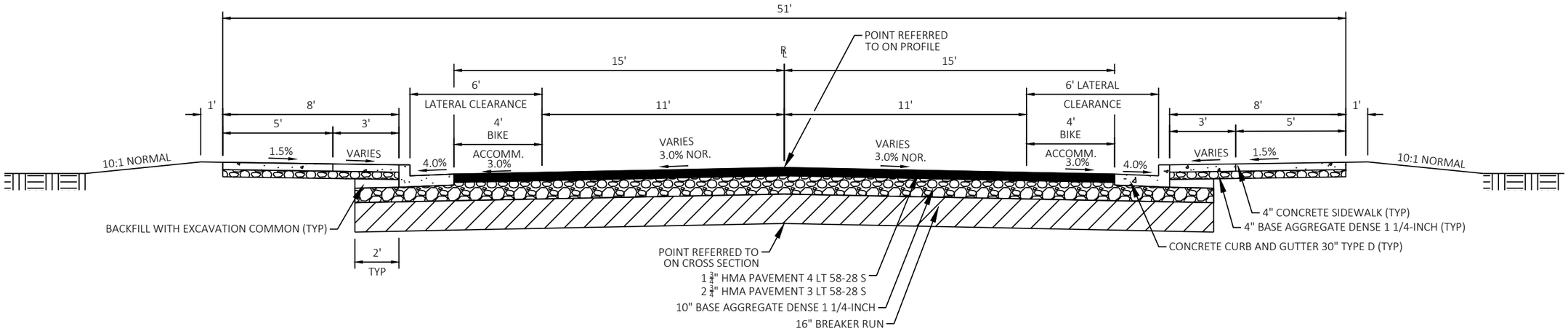


EXISTING TYPICAL SECTION

CTH Y
STA 3+08.38 - STA 3+50

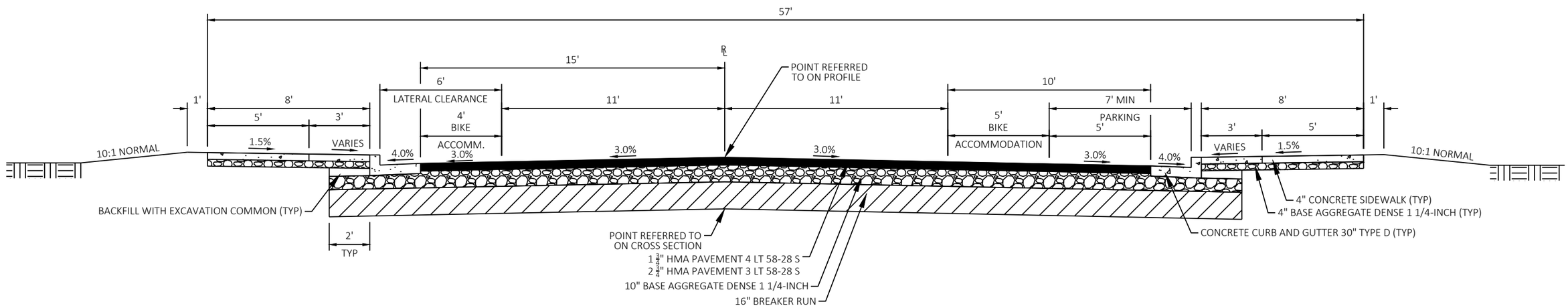
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN: TYPICAL SECTIONS	SHEET 7	E

2



FINISHED TYPICAL SECTION

CTH D
STA 19+05 - STA 27+00



FINISHED TYPICAL SECTION

CTH D
STA 27+00 - STA 40+66.13

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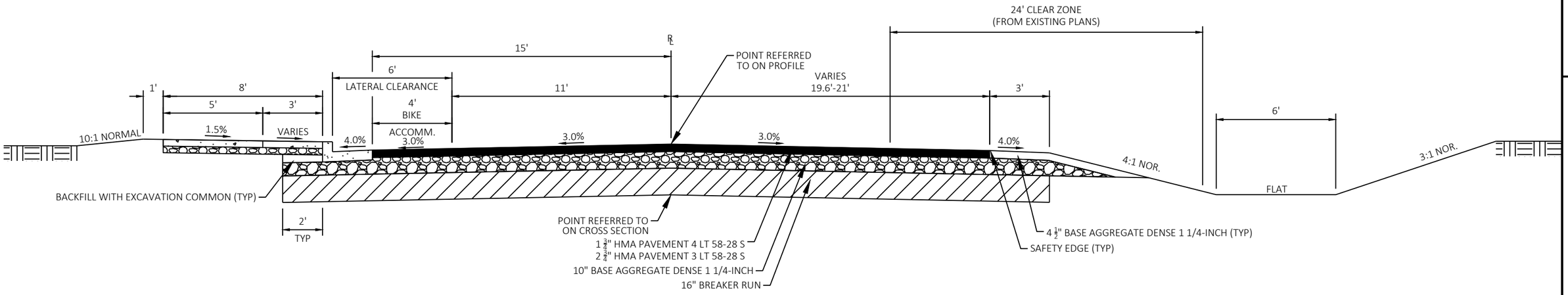
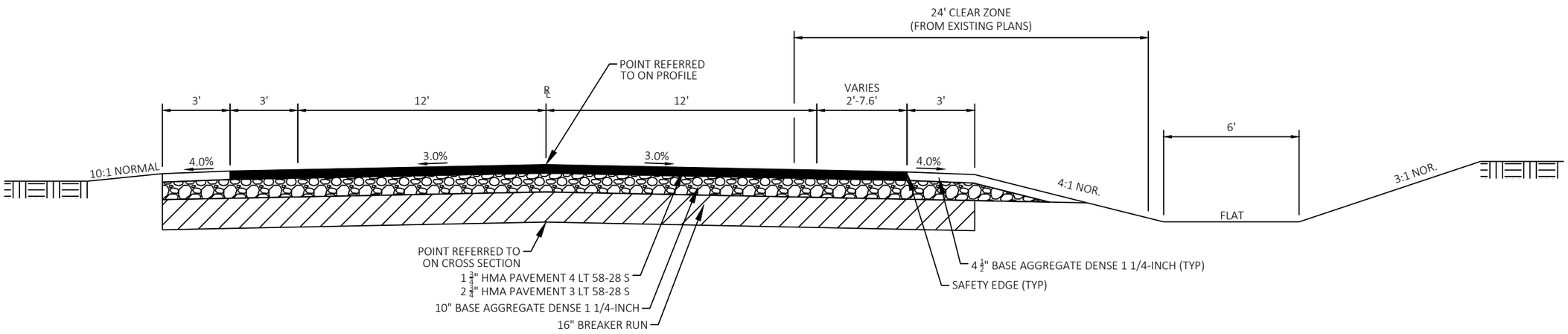
2



FINISHED TYPICAL SECTION

CTH D
STA 40+66.13 - STA 41+00

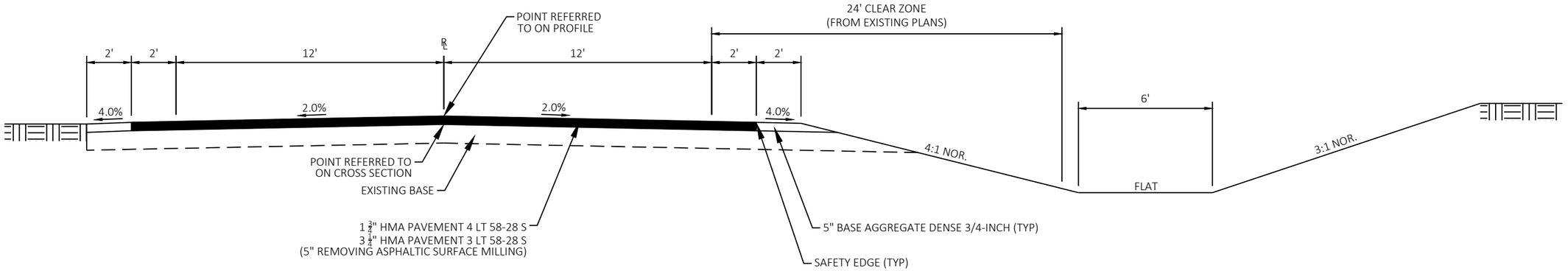


FINISHED TYPICAL SECTION

CTH D
STA 41+00 - STA 41+66

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN: TYPICAL SECTIONS	SHEET 9	E

2



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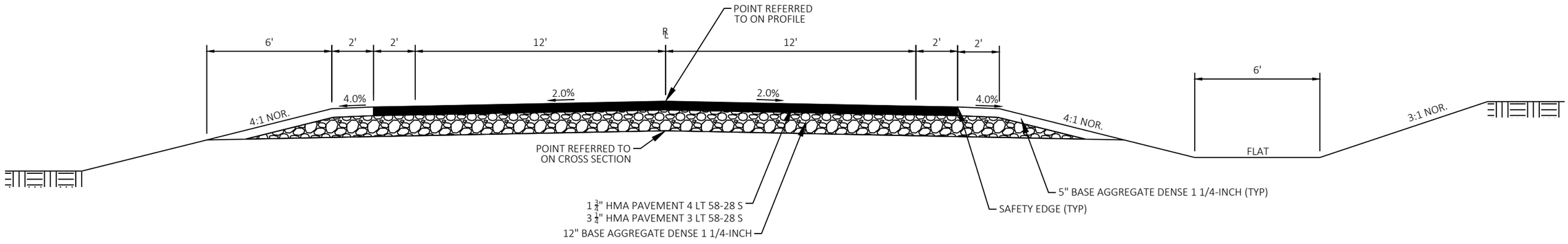
STA 41+66 - STA 43+25

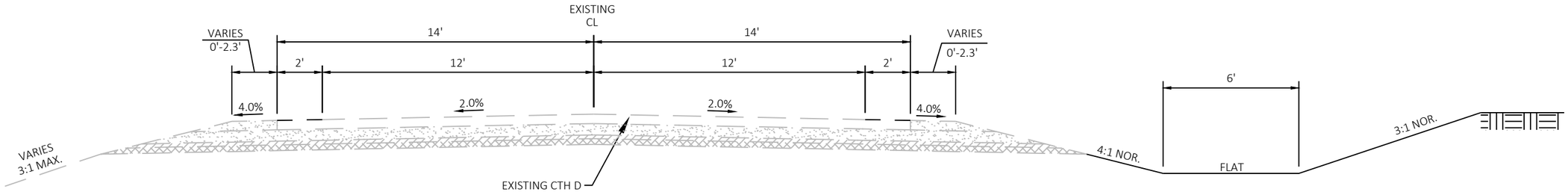


FINISHED TYPICAL OVER CULVERT PIPE

CTH D
STA 43+25 - STA 43+75

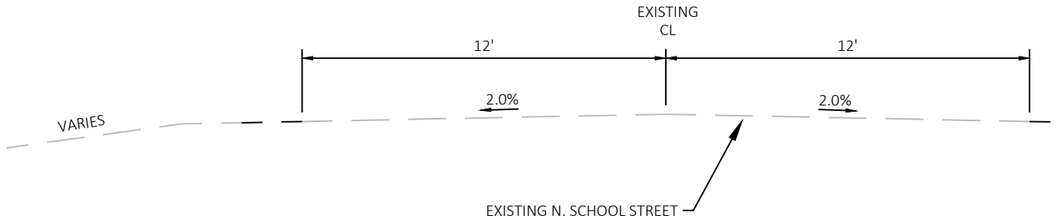
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN: TYPICAL SECTIONS	SHEET 10	E

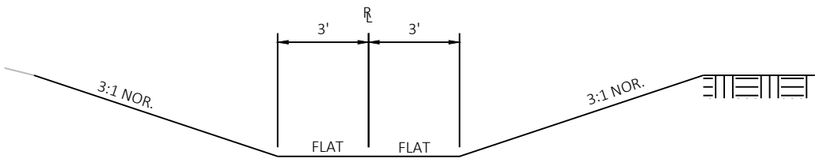
2



TYPICAL FINISHED SECTION

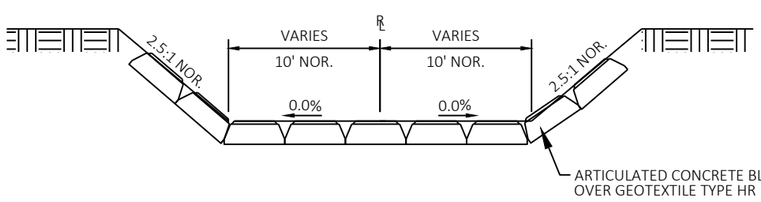
CTH D
STA 43+75 - STA 44+50





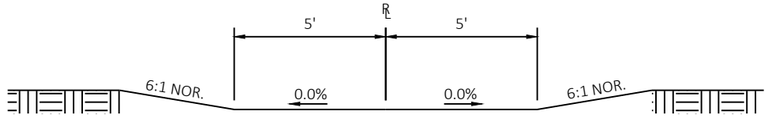
TYPICAL FINISHED SECTION N. SCHOOL ST. DITCH

N. SCHOOL STREET
STA 21+92.70S - STA 24+33.72S



FINISHED TYPICAL CHANNEL SECTION

STA 10+00 - STA 10+37
(SEE DETAIL)



FINISHED TYPICAL NORTH DITCH SECTION

STA 8+54.82N - STA 10+52.29N

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN: TYPICAL SECTIONS	SHEET 11	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\020301-TS.DWG
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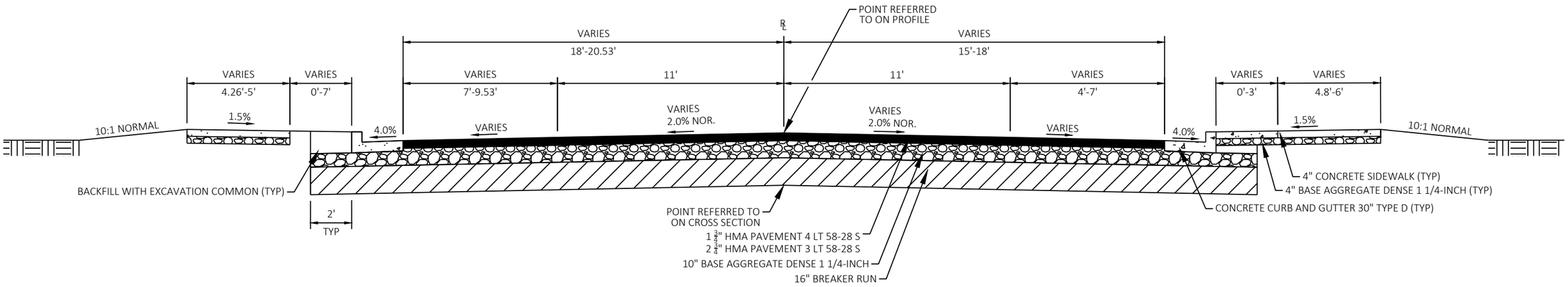
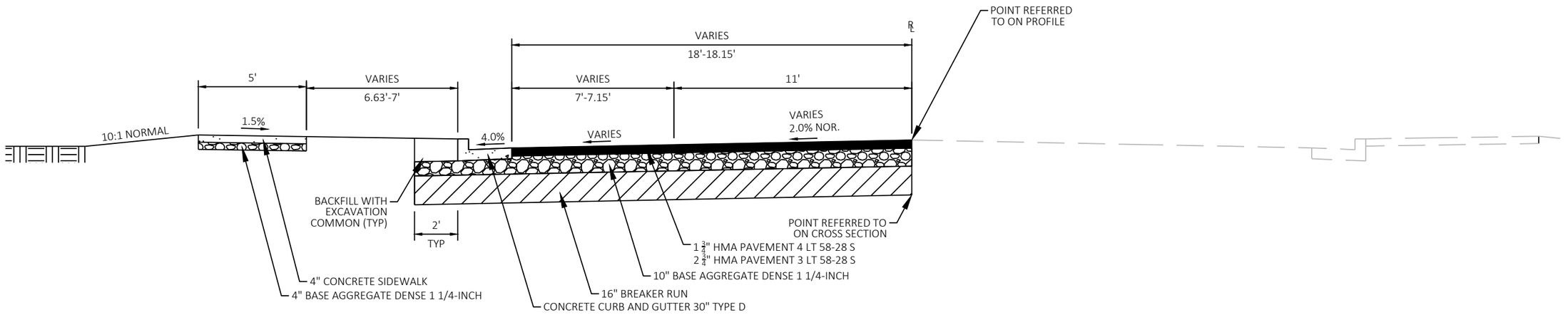
PLOT DATE : 7/21/2020 11:06 AM
PLOT BY : BOBBI MAXWELL
PLOT NAME :
PLOT SCALE : 1 IN:5 FT



TYPICAL FINISHED SECTION

CTH Y
STA 2+47.53 - STA 4+85



TYPICAL FINISHED SECTION

CTH Y
STA 2+26.81 - STA 2+47.53

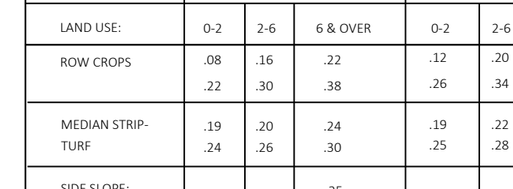
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN: TYPICAL SECTIONS	SHEET 12	E

2

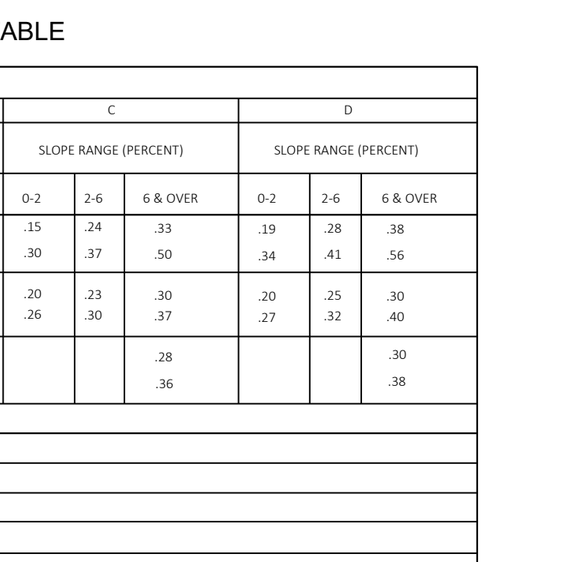
RUNOFF COEFFICIENT TABLE

	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 = 3.95 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 4.28 ACRES

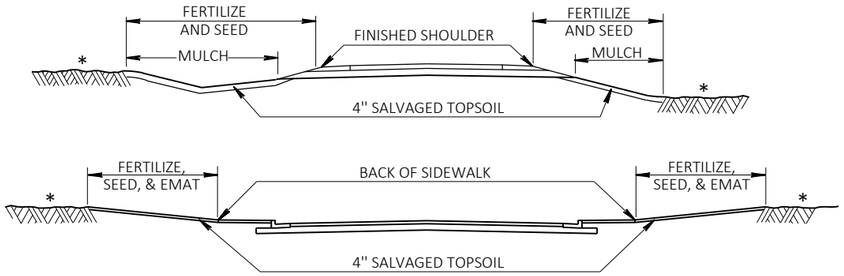


SECTION A-A



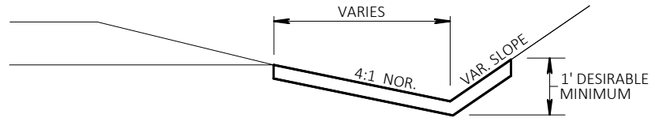
RIPRAP HEAVY TREATMENT AT CULVERTS

STA 43+54, LT

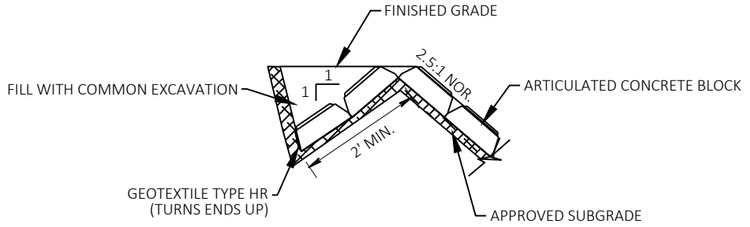


* DISTURBED AREAS TO BE FERTILIZED & SEEDED

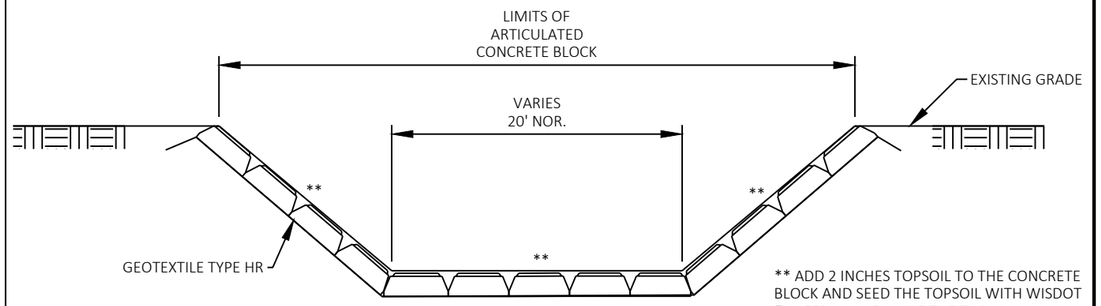
DETAIL FOR FINISHING ITEMS



EROSION MAT DETAIL FOR DITCHES



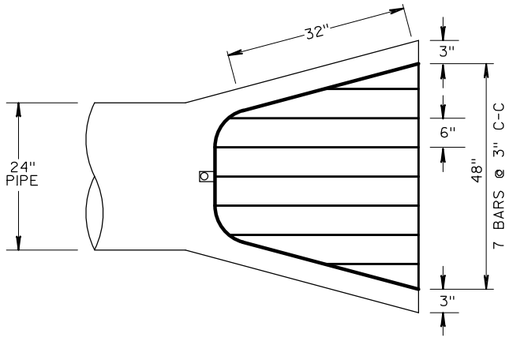
TOP OF SLOPE KEY DETAIL



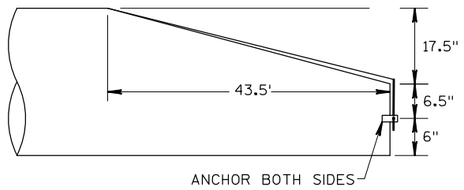
** ADD 2 INCHES TOPSOIL TO THE CONCRETE BLOCK AND SEED THE TOPSOIL WITH WISDOT 70 SEED MIX. ENSURE THE TOPSOIL COMPLETELY FILLS THE REVETMENT BLOCK SPACES.

ARTICULATED CONCRETE BLOCK REVETMENT MAT

ARTICULATED CONCRETE BLOCK
STA 10+00 - STA 10+37

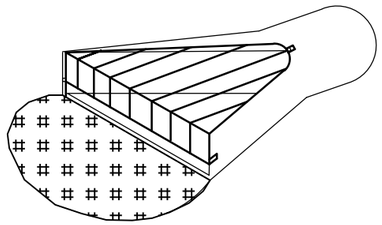


TOP VIEW



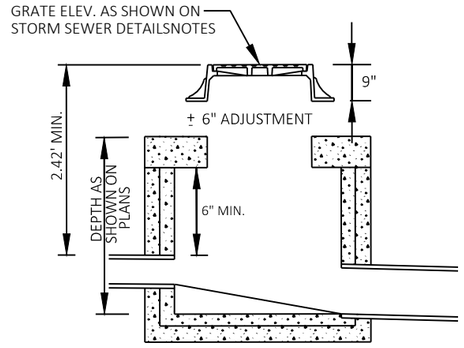
SIDE VIEW

STANDARD DETAILS
FLARED END SECTION
AND TRASH GUARD

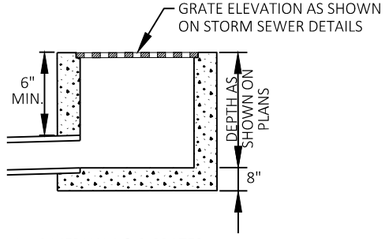


¾" DIA. STEEL REBAR
PAINTED WITH 2 COATS
OF GALVINIZED PAINT

PIPE GRATE DETAIL

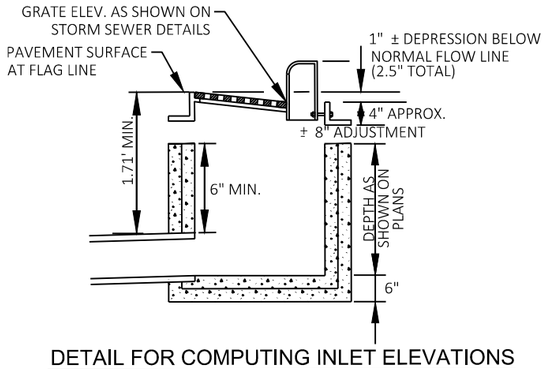


DETAIL FOR COMPUTING MANHOLE ELEVATIONS



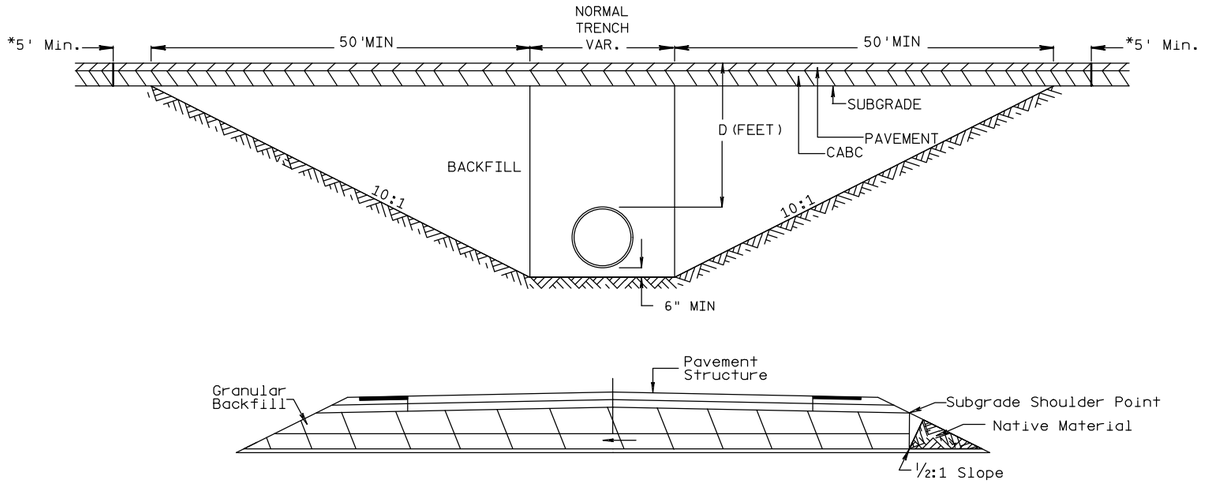
INLETS MEDIAN 1 & 2 GRATES

DETAIL FOR COMPUTING INLET ELEVATIONS



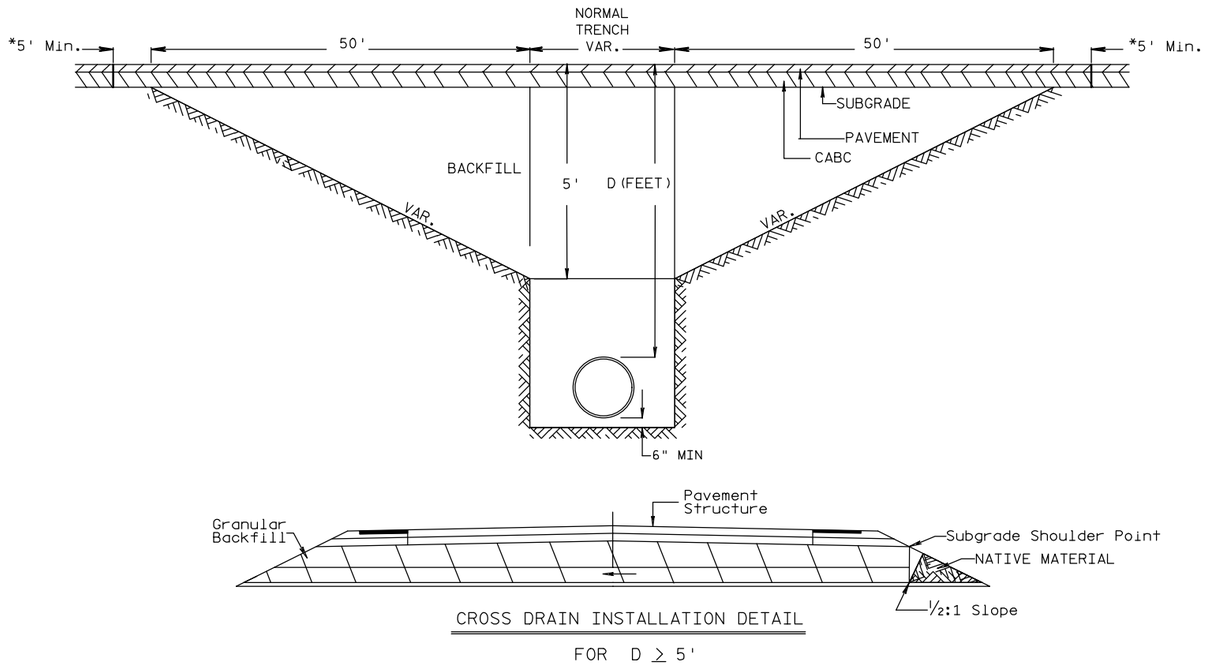
DETAIL FOR COMPUTING INLET ELEVATIONS

INLET COVERS - H

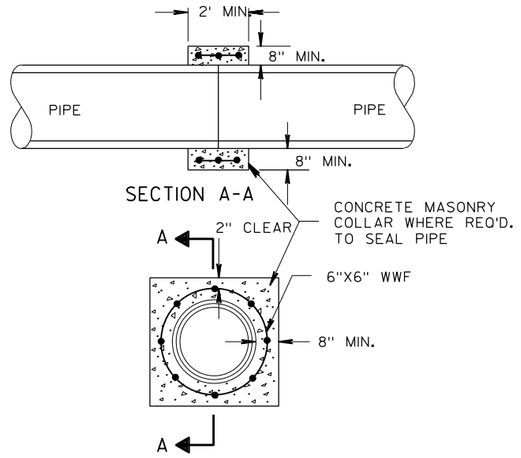


CROSS DRAIN INSTALLATION DETAIL
FOR D ≤ 5'

* Pavement Removal Limits (Typical)

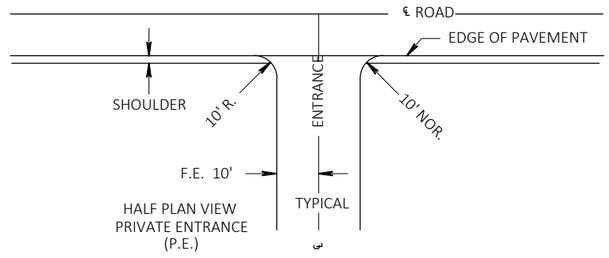


CROSS DRAIN INSTALLATION DETAIL
FOR D ≥ 5'



CONCRETE COLLAR DETAIL

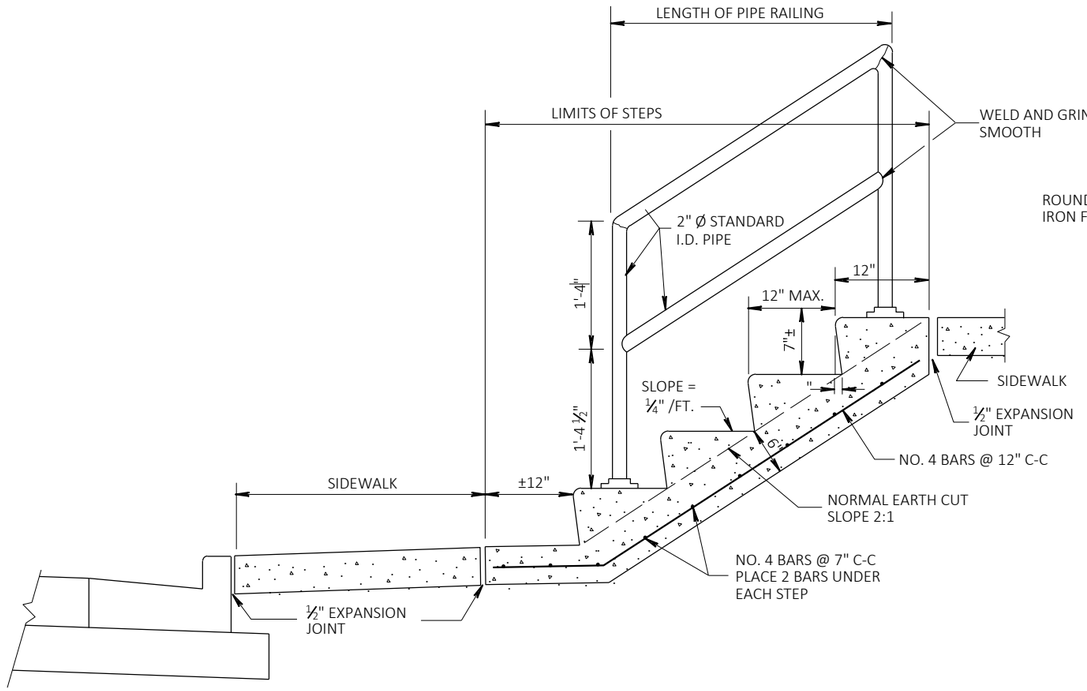
STA 34+01.91
*WWF = WELDED WIRE FABRIC

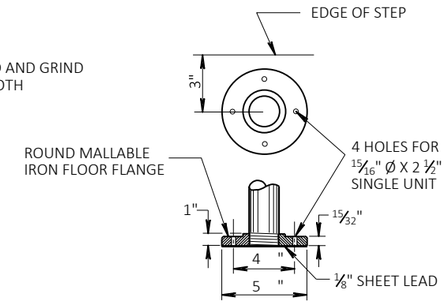


PLAN VIEW

PROFILE VIEW

RURAL DRIVEWAY DETAIL





FLANGE DETAIL

NOTE:

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

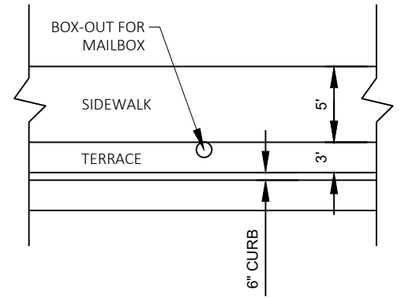
STEEL REINFORCEMENT AND PIPE RAILING NOT REQUIRED ON STEPS WITH 2 RISERS OR LESS.

MINIMUM WIDTH OF STEP EQUALS 4 FEET.

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

CONCRETE STEPS DETAIL

STA 22+97, RT
STA 25+96, RT
STA 26+44, LT



NOTES:
12" PVC PIPE 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.

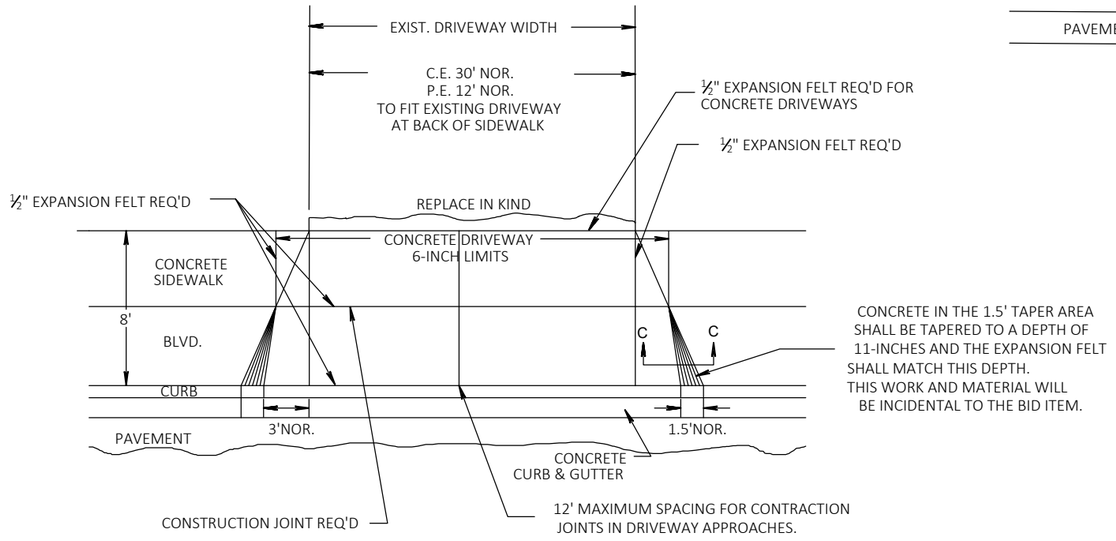
MAILBOX BOX-OUT DETAIL

PAYMENT FOR BOX-OUT IS INCLUDED IN CONCRETE SIDEWALK 4-INCH. FILL WITH BASE AGGREGATE DENSE 1 1/4-INCH, PAID FOR SEPARATELY.

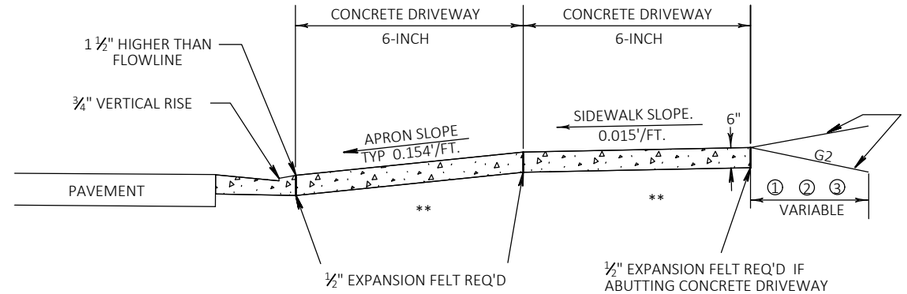
STATION	OFFSET	NOTES
24+92	RT	206 E CHURCH ST
26+08	LT	206 E CHURCH ST
26+11	LT	135, 143, & 214 E CHURCH ST ON ONE POST
28+44	LT	155 E CHURCH ST
29+28	LT	159 E CHURCH ST
29+30	RT	159 E CHURCH ST
30+28	LT	163 E CHURCH ST
32+49	LT	337 STEINER DR
32+52	LT	319 STEINER DR
33+38	LT	189E CHURCH ST
35+04	LT	219 E CHURCH ST
35+72	LT	231 E CHURCH ST
37+25	LT	245 E CHURCH ST

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

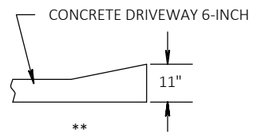
2



PLAN VIEW



TYPICAL SIDEWALK SECTION

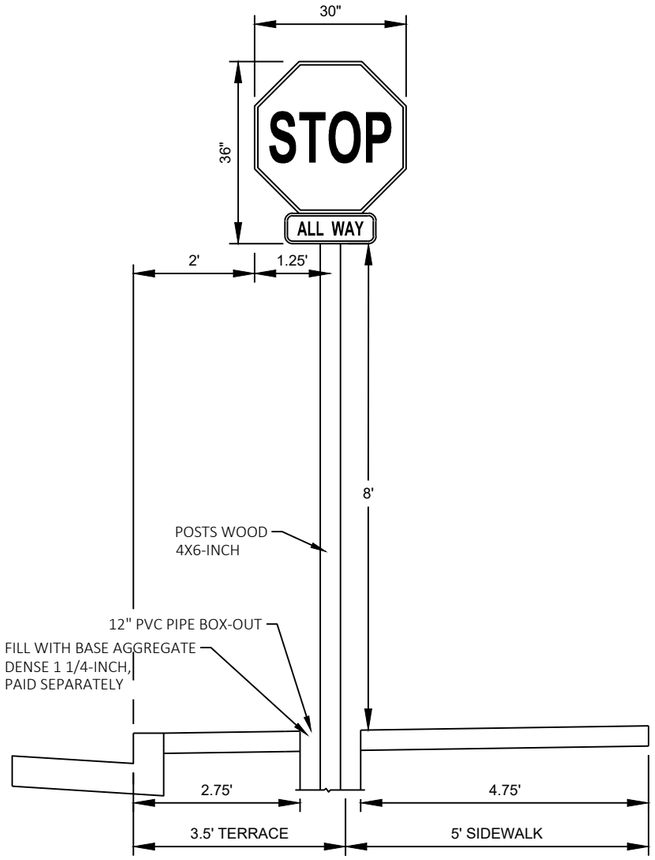


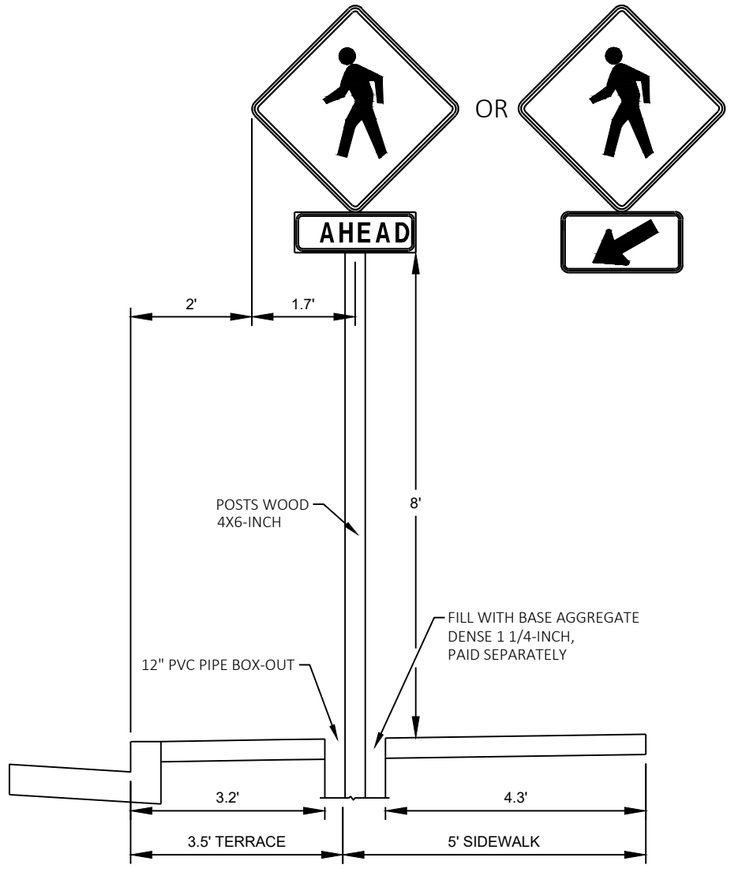
SECTION C-C

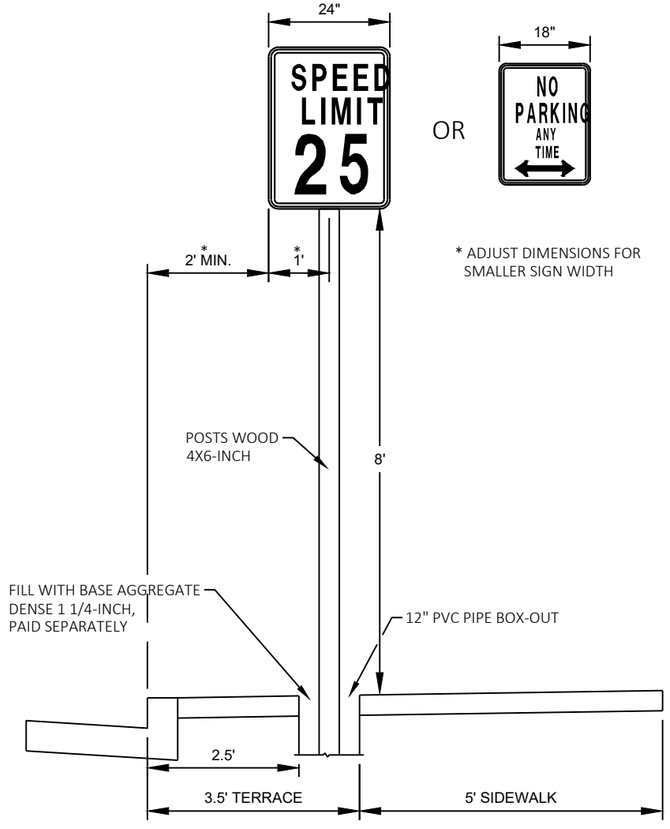
DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CONSTRUCTION DETAILS	SHEET 17	E

2







SPECIAL SIGN INSTALLATION DETAILS

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

2

N

5+00

CTH Y / N MAIN ST

¾" ROD
STA 20+57.32
34.36' LT

¾" ROD
STA 21+19.43
25.89' LT

W CHURCH ST

68.02'

70.13'

21+00

CTH D / E CHURCH ST

CP#2
STA 20+77.77
30.52' RT
N=352,354.07
E=790,419.47
ELEV = 893.52

44.00'

42.34'

¾" ROD
STA 20+59.20
84.52' RT

57.10'

CTH Y / N MAIN ST

PK NAIL
STA 21+18.20
43.14' RT

N

2

¾" ROD
STA 38+21.60
23.61' LT

CP#6
STA 38+47.60
24.45' LT
N=352,431.25
E=792,188.62
ELEV = 896.22

¾" ROD
STA 38+71.49
24.03' LT

26.02'

23.89'

57.48'

57.60'

38+00

39+00

CTH D / E CHURCH ST

¾" ROD
STA 38+23.44
27.71' RT

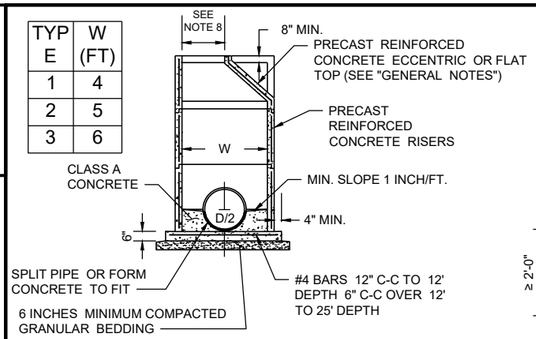
¾" ROD
STA 38+72.02
27.72' RT

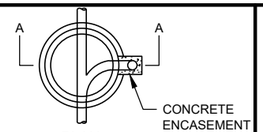
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CONSTRUCTION DETAILS	SHEET 19	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\021003-CD.DWG
LAYOUT NAME - 01

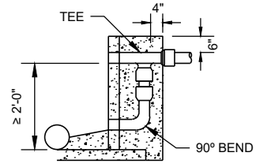
PLOT DATE : 7/21/2020 10:59 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:20 FT

TYPE	W (FT)
1	4
2	5
3	6





PLAN



SECTION A-A

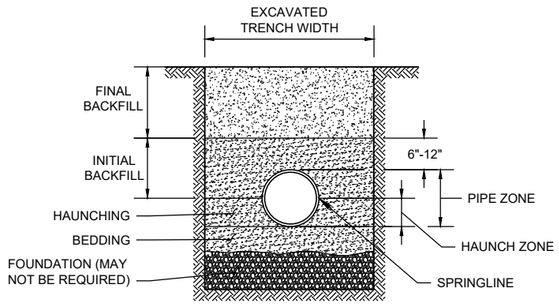
DROP ASSEMBLY DETAIL

GENERAL NOTES:

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

PRECAST REINFORCED CONCRETE MANHOLE DETAIL

NO SCALE



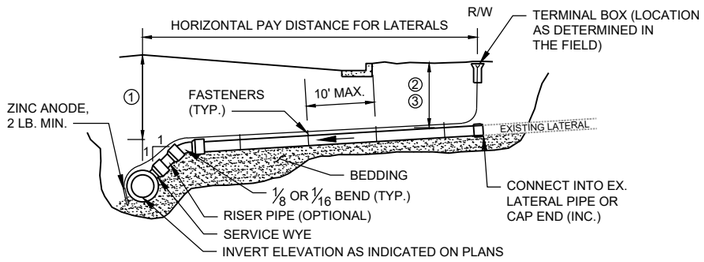
GENERAL NOTES:

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

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

CLASS II - FLEXIBLE PIPE EMBEDMENT DETAIL

NO SCALE



ELEVATION VIEW

NOTE: CONTRACTOR SHALL KEEP UTILITY TRENCH DISTURBANCE WITHIN THE TEMPORARY CONSTRUCTION EASEMENT LIMITS. CONTRACTOR SHALL COORDINATE WITH FIELD ENGINEER OR OWNER REGARDING THE LIMITS OF THE WATER SERVICE TRENCH DISTURBANCE SO AS NOT TO AFFECT EX. PERMANENT SITE FEATURES (RET. WALL, TREES, ETC.) THAT ARE TO REMAIN. THE CONNECTION OF NEW WITH OLD WATER SERVICES SHALL BE AS CLOSE TO THE R/W AS POSSIBLE OR AS DIRECTED BY THE OWNER.

NOTES FOR LATERAL INSTALLATION:

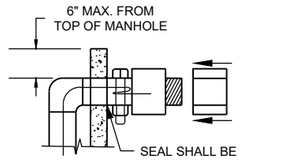
1. MINIMUM DEPTH OF COVER UNDER ROADWAY = 7 FEET.
2. MINIMUM DEPTH OF COVER UNDER GRASS AREAS = 5 1/2 FEET.
3. MINIMUM DEPTH OF COVER UNDER GRASS AREAS WITH FROST PROTECTION = 3 FEET 6 INCHES.
4. LATERAL SLOPES SHALL BE 1/8 INCH PER FOOT MINIMUM AND 1/2 INCH PER FOOT MAXIMUM.

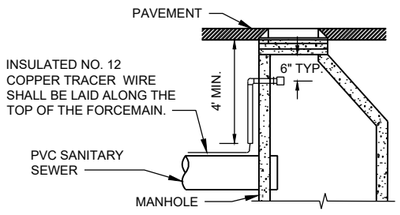
NOTES FOR TRACER WIRE INSTALLATION:

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

SANITARY SEWER LATERAL DETAIL

NO SCALE





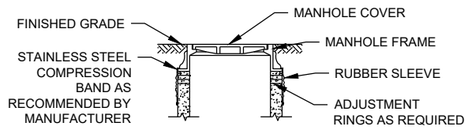
INSTALLATION IN PAVED AREA

GENERAL NOTES:

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

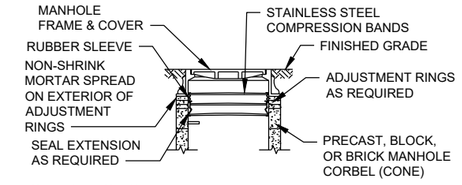
TRACER WIRE INSTALLATION FOR PVC SANITARY SEWER

NO SCALE



GENERAL NOTE:
THE SEAL SHALL EXTEND FROM THE CASTING TO THE CORBEL (CONE). SEAL EXTENSIONS SHALL BE USED AS REQUIRED.

EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL



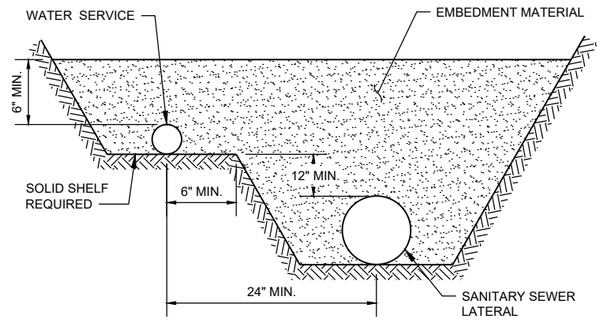
GENERAL NOTES:

1. THE SEAL SHALL EXTEND FROM THE CASTING TO THE CORBEL (CONE). SEAL EXTENSIONS SHALL BE USED AS REQUIRED.
2. AN INTERNAL ADAPTOR SEAL RING MAY BE USED IN LIEU OF THE RUBBER SLEEVE. THE INTERNAL ADAPTOR SEAL RING SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

INTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL

MANHOLE WATERPROOFING DETAIL

NO SCALE

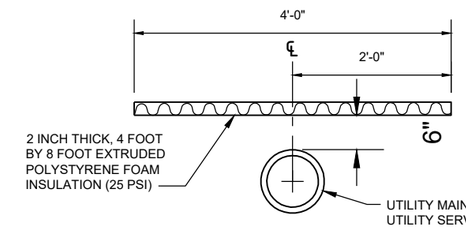


GENERAL NOTES:

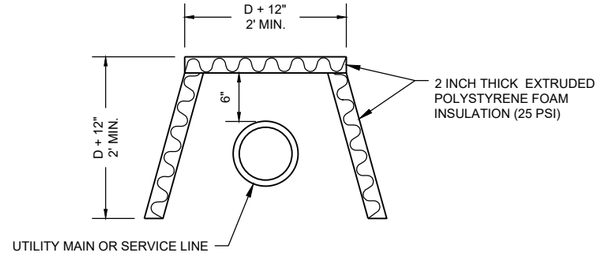
1. WATER SERVICES 2 INCHES IN DIAMETER AND LESS SHALL BE LAID WITH A CLEAR HORIZONTAL SEPARATION NOT LESS THAN 2 FEET FROM THE SANITARY LATERAL.

WATER SERVICE AND SANITARY SEWER LATERAL DETAIL

NO SCALE



STANDARD INSTALLATION



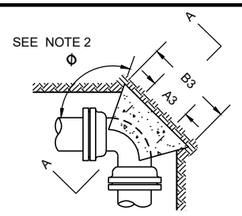
SIDE PROTECTION INSTALLATION

GENERAL NOTES:

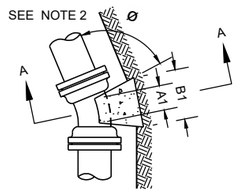
1. THE SIDE PROTECTION INSTALLATION SHALL BE USED WHERE FROST WILL PENETRATE BELOW THE PIPE INVERT.

PIPE INSULATION DETAIL

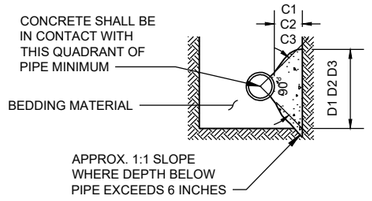
NO SCALE



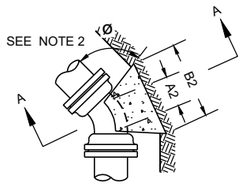
PLAN - 90° BEND



PLAN - 22 ½° BEND



SECTION A-A

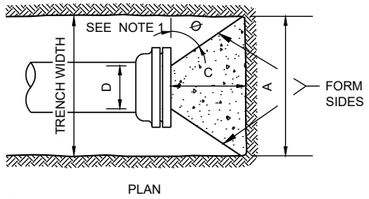


PLAN - 45° BEND

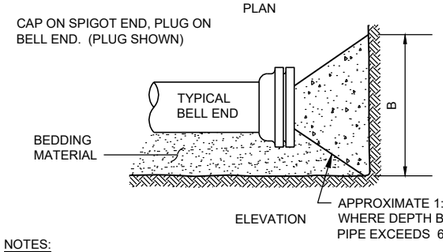
NOTES:
1. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND AN EARTH RESISTANCE OF 2 TONS PER SQ. FT. INFORM THE ENGINEER IF PRESSURES EXCEED 150 PSI, OR ON-SITE SOIL DOES NOT MEET THIS CONDITION.
2. DIMENSION C1 C2 C3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE Ø EQUAL TO OR LARGER THAN 45°.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

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

BUTTRESS FOR BENDS DETAIL
NO SCALE



PLAN

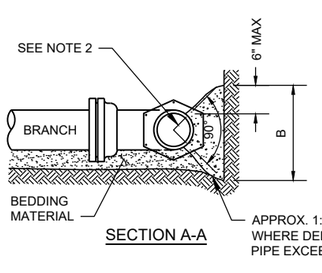


ELEVATION

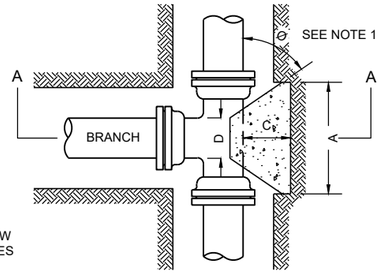
BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-6"	1'-2"	SEE NOTE NO. 1	SEE NOTE NO. 2
8"	2'-0"	1'-4"		
12"	2'-5"	1'-10"		
16"	3'-4"	2'-4"		
20"	4'-3"	2'-10"		
24"	5'-2"	3'-4"		
30"	6'-9"	4'-0"		

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 POURED 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. NO WOOD BUTTRESS ALLOWED.

BUTTRESS FOR PLUGS DETAIL
NO SCALE



SECTION A-A



PLAN

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

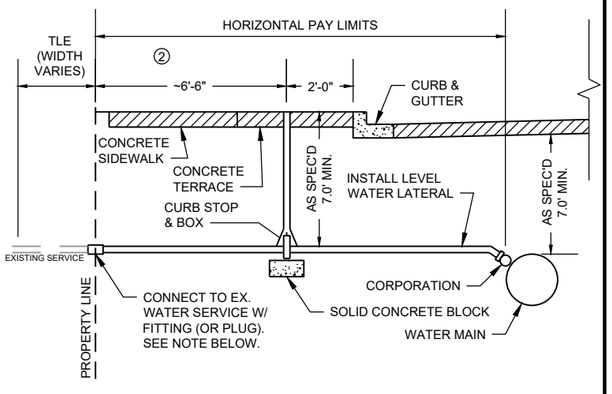
BUTTRESS DIMENSIONS				
DIA.	A	B	C	D
6"	1'-3"	1'-0"	SEE NOTE NO. 1	SEE NOTE NO. 3
8"	1'-6"	1'-4"		
10"	1'-10"	1'-8"		
12"	2'-3"	2'-0"		
16"	3'-2"	2'-6"		
20"	4'-0"	3'-0"		
24"	5'-3"	3'-4"		

DIA. = BRANCH DIAMETER

BUTTRESS FOR TEES DETAIL
NO SCALE

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

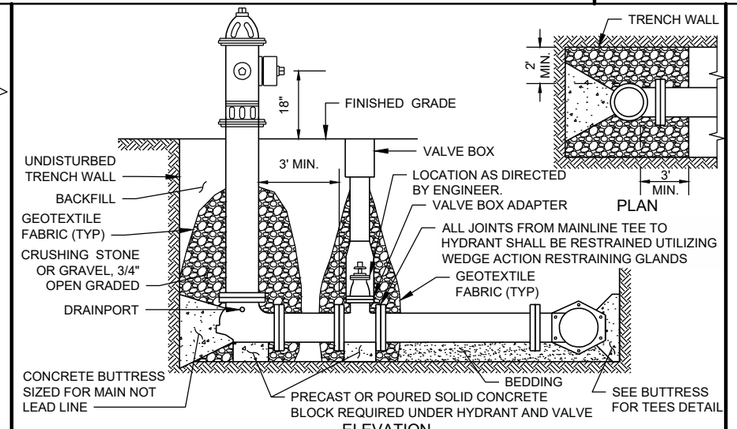
THE ABOVE LENGTHS (GIVEN IN FEET) REPRESENT THE MINIMUM LENGTH OF PIPE TO BE TIED TOGETHER IN EACH REQUIRED DIRECTION FROM THE FITTING DESCRIBED



NOTE: CONTRACTOR SHALL KEEP UTILITY TRENCH DISTRUBANCE WITHIN THE TEMPORARY CONSTRUCTION EASEMENT LIMITS.CONTRACTOR SHALL COORDINATE WITH FIELD ENGINEER OR OWNER REGARDING THE LIMITS OF THE WATER SERVICE TRENCH DISTURBANCE SO AS NOT TO AFFECT EX. PERMANENT SITE FEATURES (RET. WALL , TREES, ETC.) THAT ARE TO REMAIN. THE CONNECTION OF NEW WITH OLD WATER SERVICES SHALL BE AS CLOSE TO THE R/W AS POSSIBLE OR AS DIRECTED BY THE OWNER.

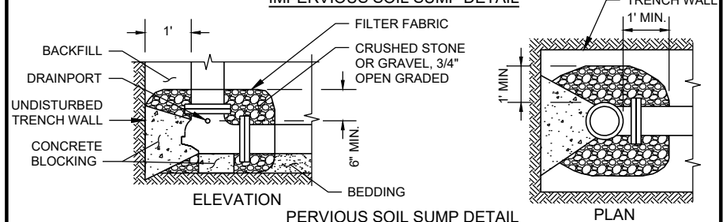
GENERAL NOTES:
1. SEE PLANS AND SPECIFICATIONS FOR SIZE AND TYPE OF CURB STOP AND BOX CORPORATION AND SERVICE LINE.
2. COMMUNITY STANDARDS SHALL SUPERSEDE THE DIMENSIONS FROM THE PROPERTY LINE.
3. TRACER WIRE SHALL BE INSTALLED ALONG ALL NEWLY INSTALLED WATER SERVICES (INCIDENTAL TO WATER SERVICE PIPING)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

WATER SERVICE DETAIL
NO SCALE



ELEVATION

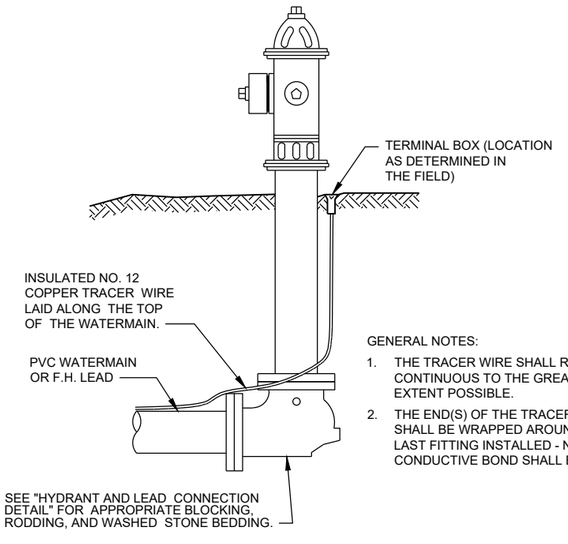
IMPERVIOUS SOIL SUMP DETAIL



ELEVATION

PERVIOUS SOIL SUMP DETAIL

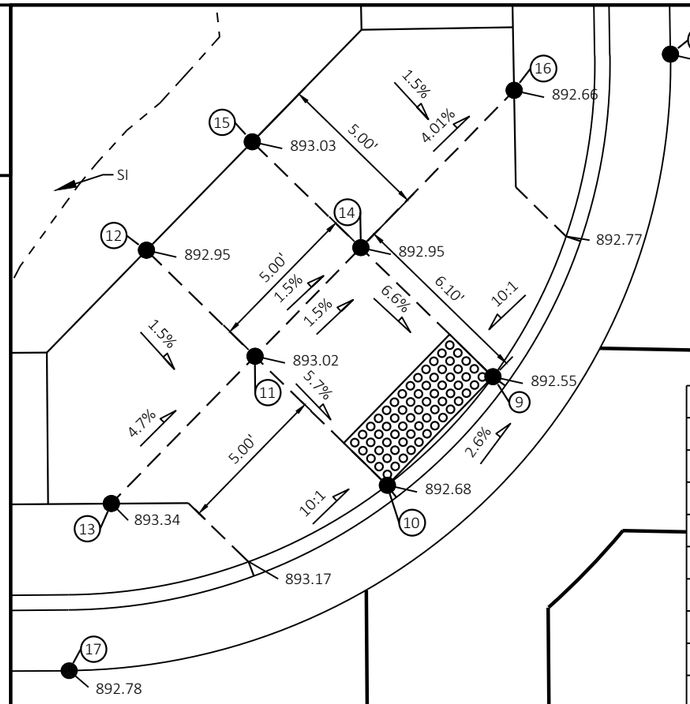
HYDRANT AND LEAD CONNECTION DETAIL
NO SCALE



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

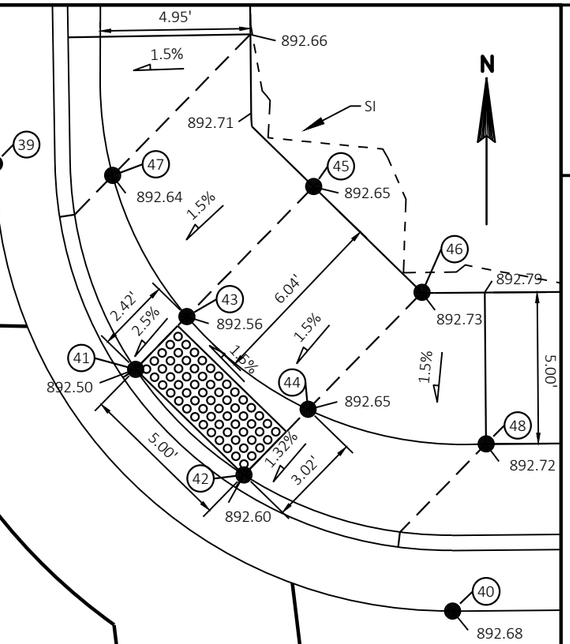
TRACER WIRE INSTALLATION FOR PVC WATERMAIN DETAIL
NO SCALE

CR1-TYPE 1 CURB RAMP



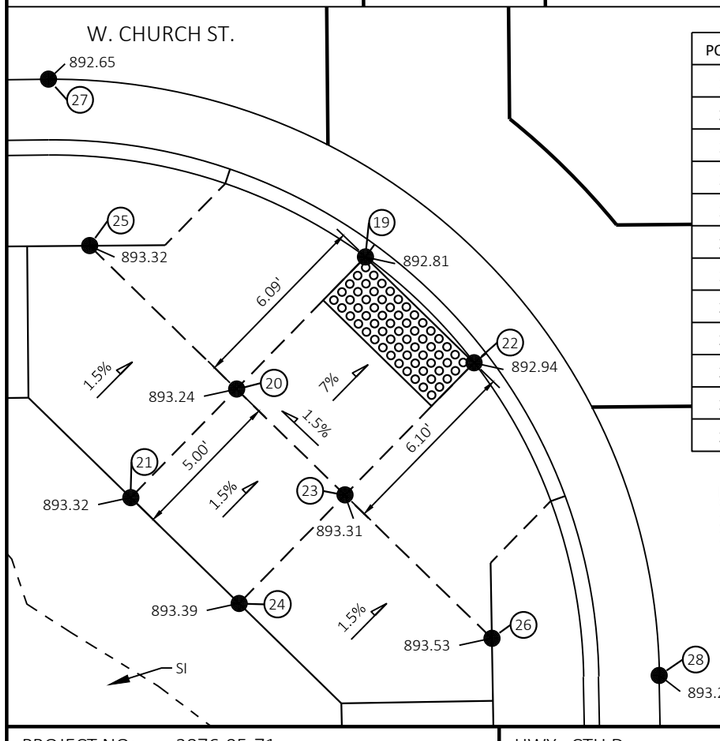
POINT	STATION	OFFSET	NORTHING	EASTING
9	20+71.74	24.58' LT	352409.13'	790413.01'
10	20+68.22	21.03' LT	352405.55'	790409.52'
11	20+63.89	25.32' LT	352409.80'	790405.15'
12	20+60.34	28.84' LT	352413.30'	790401.58'
13	20+59.11	20.50' LT	352404.94'	790400.41'
14	20+67.41	28.87' LT	352413.38'	790408.65'
15	20+63.86	32.39' LT	352416.88'	790405.07'
16	4+62.23	23.18' LT	352418.57'	790413.71'
17	20+57.68	15.00' LT	352399.43'	790399.02'
18	4+63.34	18.00' LT	352419.77'	790418.86'

CR4-TYPE 1 CURB RAMP



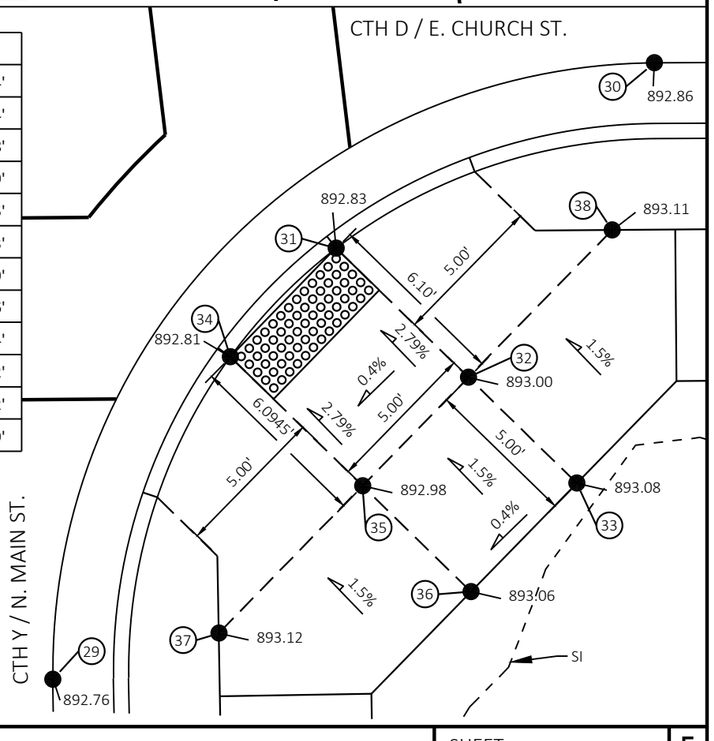
POINT	STATION	OFFSET	NORTHING	EASTING
39	21+10.73	29.87' LT	352414.72'	790451.95'
39	04+57.74	15.00' RT	352414.72'	790451.95'
40	21+25.73	15.00' LT	352399.97'	790467.07'
41	21+15.33	23.05' LT	352407.94'	790456.61'
42	21+18.88	19.54' LT	352404.46'	790460.19'
43	21+17.03	24.78' LT	352409.68'	790458.30'
44	21+21.01	21.69' LT	352406.62'	790462.30'
45	21+21.25	29.03' LT	352413.97'	790462.48'
46	21+24.80	25.51' LT	352410.47'	790466.06'
47	21+14.62	29.45' LT	352414.33'	790455.85'
47	04+57.29	18.89' RT	352414.33'	790455.85'
48	21+26.87	20.50' LT	352405.48'	790468.17'

CR2-TYPE 1 CURB RAMP



POINT	STATION	OFFSET	NORTHING	EASTING
19	20+68.71	20.94' RT	352363.58'	790410.34'
20	20+64.43	25.27' RT	352359.22'	790406.09'
21	20+60.91	28.82' RT	352355.64'	790402.59'
22	20+72.27	24.46' RT	352360.09'	790413.92'
23	20+67.98	28.79' RT	352355.73'	790409.66'
24	20+64.46	32.34' RT	352352.15'	790406.17'
25	20+59.61	20.50' RT	352363.95'	790401.24'
26	20+72.79	33.56' RT	352351.00'	790414.51'
26	03+94.65	23.50' LT	352351.00'	790414.51'
27	20+58.3	15.00' RT	352369.44'	790399.88'
28	20+78.3	34.82' RT	352349.77'	790420.03'
28	03+93.34	18.00' LT	352349.77'	790420.03'

CR3-TYPE 1 CURB RAMP



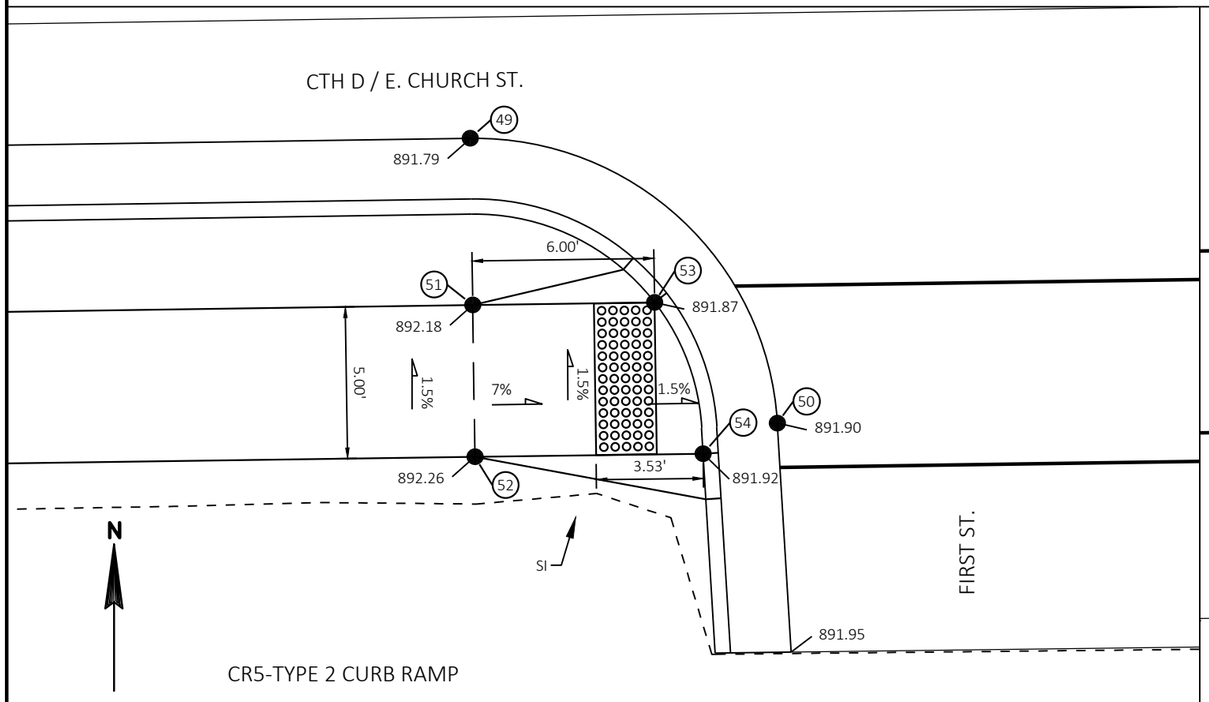
POINT	STATION	OFFSET	NORTHING	EASTING
29	21+14.3	35.18' RT	352349.70'	790456.04'
29	03+92.66	18.00' RT	352349.70'	790456.04'
30	21+34.3	15.00' RT	352370.04'	790475.88'
31	21+23.76	21.03' RT	352363.92'	790465.39'
32	21+28.09	25.32' RT	352359.67'	790469.75'
33	21+31.64	28.84' RT	352356.17'	790473.33'
34	21+20.24	24.58' RT	352360.34'	790461.89'
35	21+24.57	28.87' RT	352356.09'	790466.26'
36	21+28.12	32.39' RT	352352.59'	790469.84'
37	21+19.79	33.70' RT	352351.23'	790461.52'
37	03+94.1	23.50' RT	352351.23'	790461.52'
38	21+32.87	20.50' RT	352364.53'	790474.49'

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CONSTRUCTION DETAILS	SHEET 22	E

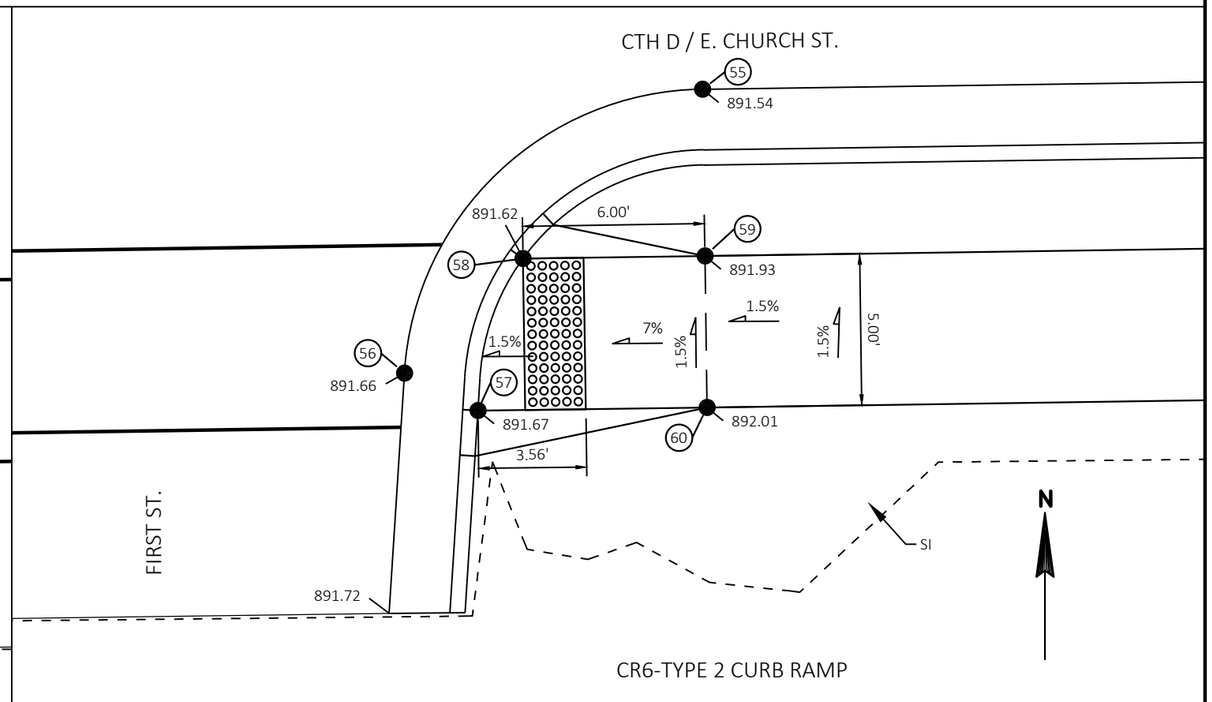
FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\021002-CD.DWG
LAYOUT NAME - 01
PLOT DATE : 7/13/2020 3:49 PM
PLOT BY : BOBBI MAXWELL
PLOT NAME :
PLOT SCALE : Custom
WISDOT/CADDS SHEET 42

POINT	STATION	OFFSET	NORTHING	EASTING
49	23+74.97	15.00' RT	352372.93'	790716.63'
50	23+84.96	24.54' RT	352363.54'	790726.75'
51	23+74.97	20.50' RT	352367.43'	790716.71'
52	23+74.97	25.50' RT	352362.43'	790716.78'
53	23+80.97	20.50' RT	352367.52'	790722.71'
54	23+82.5	25.51' RT	352362.53'	790724.31'

POINT	STATION	OFFSET	NORTHING	EASTING
55	24+22.39	15.00' RT	352373.62'	790764.05'
56	24+12.43	24.22' RT	352364.26'	790754.21'
57	24+14.83	25.49' RT	352363.02'	790756.64'
58	24+16.39	20.50' RT	352368.03'	790758.13'
59	24+22.39	20.50' RT	352368.12'	790764.13'
60	24+22.39	25.50' RT	352363.12'	790764.20'



CR5-TYPE 2 CURB RAMP

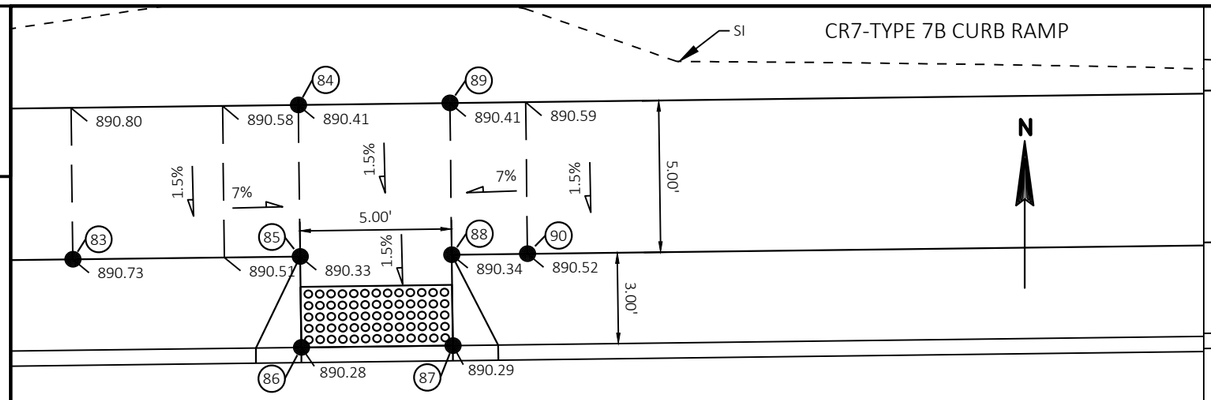


CR6-TYPE 2 CURB RAMP

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CONSTRUCTION DETAILS	SHEET 23	E

2

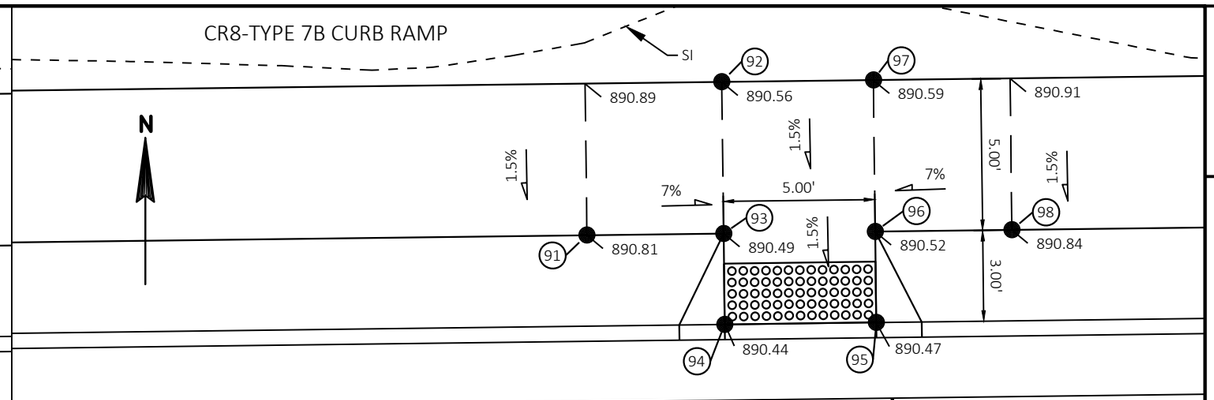
CR7-TYPE 7B CURB RAMP



POINT	STATION	OFFSET	NORTHING	EASTING
83	26+55	20.50' LT	352412.48'	790996.15'
84	26+62.5	25.50' LT	352417.57'	791003.59'
85	26+62.5	20.50' LT	352412.57'	791003.65'
86	26+62.5	17.50' LT	352409.57'	791003.69'
87	26+67.5	17.50' LT	352409.64'	791008.69'
88	26+67.5	20.50' LT	352412.64'	791008.65'
89	26+67.5	25.50' LT	352417.64'	791008.59'
90	26+70	20.50' LT	352412.67'	791011.15'

CTH D / E. CHURCH ST.

CR8-TYPE 7B CURB RAMP

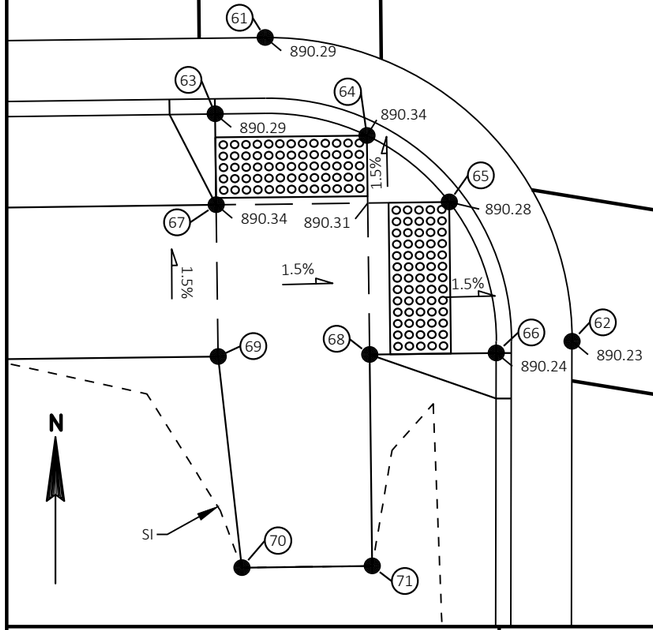


POINT	STATION	OFFSET	NORTHING	EASTING
91	27+05	20.50' LT	352413.10'	791046.15'
92	27+09.51	25.50' LT	352418.16'	791050.60'
93	27+09.51	20.50' LT	352413.16'	791050.66'
94	27+09.51	17.50' LT	352410.16'	791050.70'
95	27+14.51	17.50' LT	352410.22'	791055.70'
96	27+14.51	20.50' LT	352413.22'	791055.66'
97	27+14.51	25.50' LT	352418.22'	791055.60'
98	27+19.02	20.50' LT	352413.28'	791060.17'

CTH D / E. CHURCH ST.

CTH D / E. CHURCH ST.

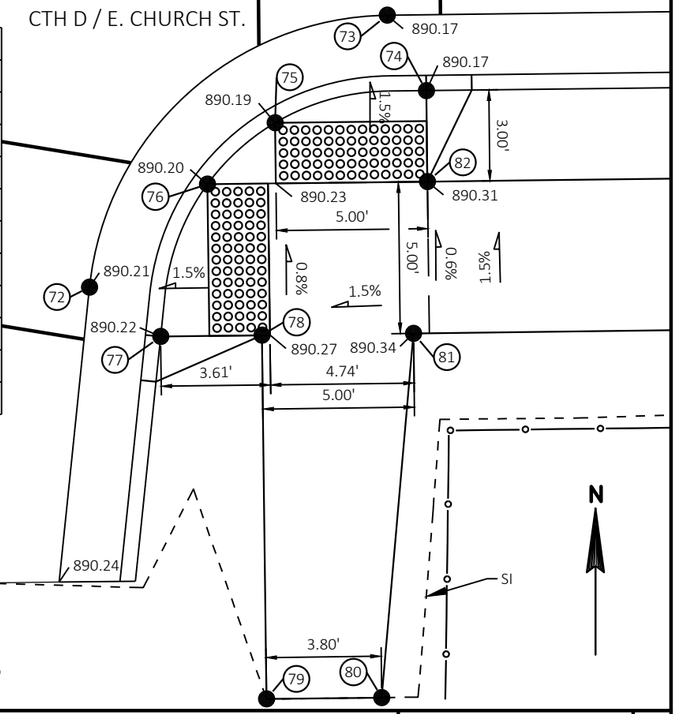
CR9-TYPE 2 CURB RAMP



POINT	STATION	OFFSET	NORTHING	EASTING
61	26+64.1	15.00' RT	352377.10'	791005.70'
62	26+74.1	25.15' RT	352367.07'	791015.82'
63	26+62.41	17.50' RT	352374.58'	791004.04'
64	26+67.41	18.27' RT	352373.87'	791009.05'
65	26+70.1	20.50' RT	352371.67'	791011.76'
66	26+71.59	25.50' RT	352366.69'	791013.32'
67	26+62.41	20.50' RT	352371.58'	791004.08'
68	26+67.41	25.50' RT	352366.64'	791009.14'
69	26+62.41	25.50' RT	352366.58'	791004.14'
70	26+63.11	32.48' RT	352359.61'	791004.93'
71	26+67.41	32.48' RT	352359.66'	791009.23'

SECOND ST.

CR10-TYPE 2 CURB RAMP

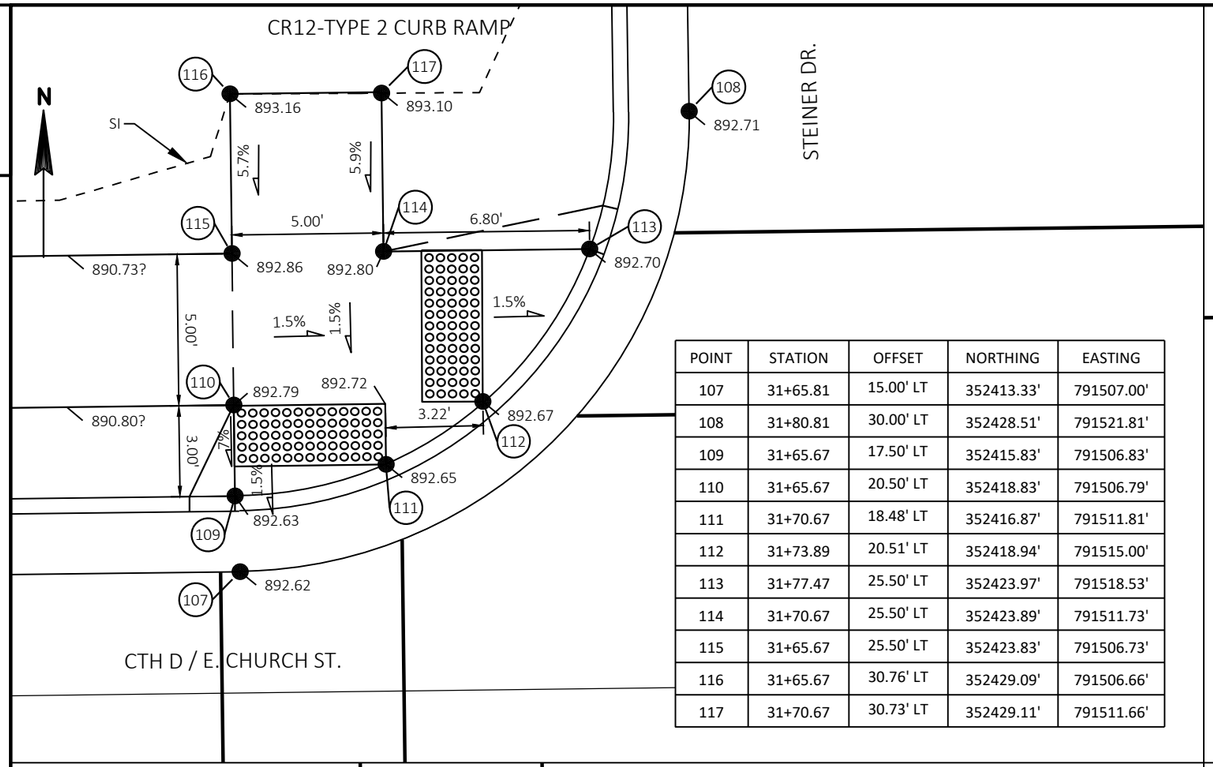


POINT	STATION	OFFSET	NORTHING	EASTING
72	27+03.32	29.85' RT	352362.74'	791045.10'
73	27+13.25	21.00' RT	352371.71'	791054.92'
74	27+14.51	23.50' RT	352369.22'	791056.21'
75	27+09.51	24.50' RT	352368.16'	791051.22'
76	27+07.25	26.50' RT	352366.13'	791048.99'
77	27+05.64	31.50' RT	352361.11'	791047.44'
78	27+08.99	31.50' RT	352361.16'	791050.79'
79	27+08.99	43.50' RT	352349.16'	791050.94'
80	27+12.79	43.50' RT	352349.21'	791054.74'
81	27+13.99	31.50' RT	352361.22'	791055.79'
82	27+14.51	26.50' RT	352366.22'	791056.25'

SECOND ST.

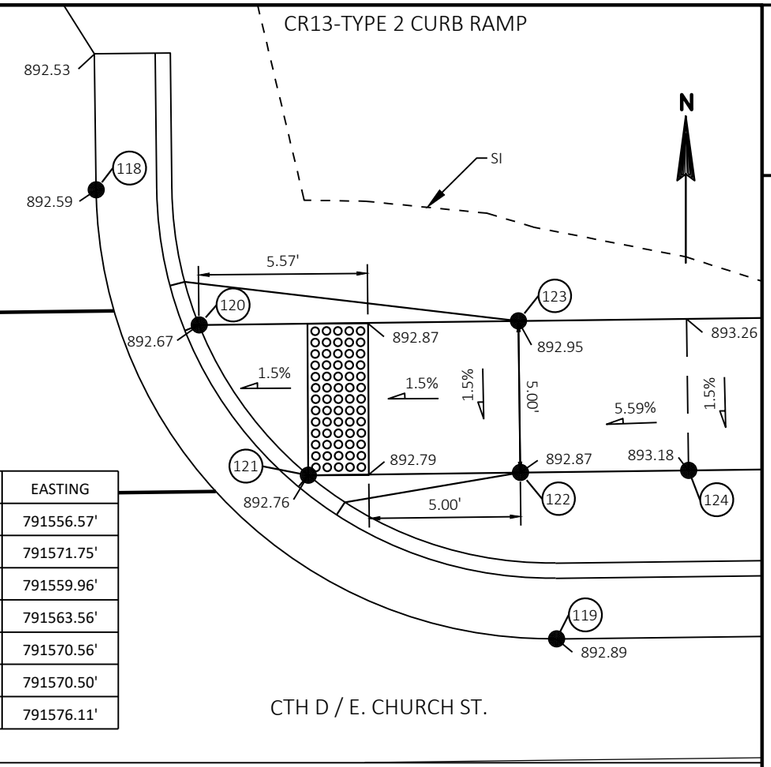
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CONSTRUCTION DETAILS	SHEET 24	E

CR12-TYPE 2 CURB RAMP



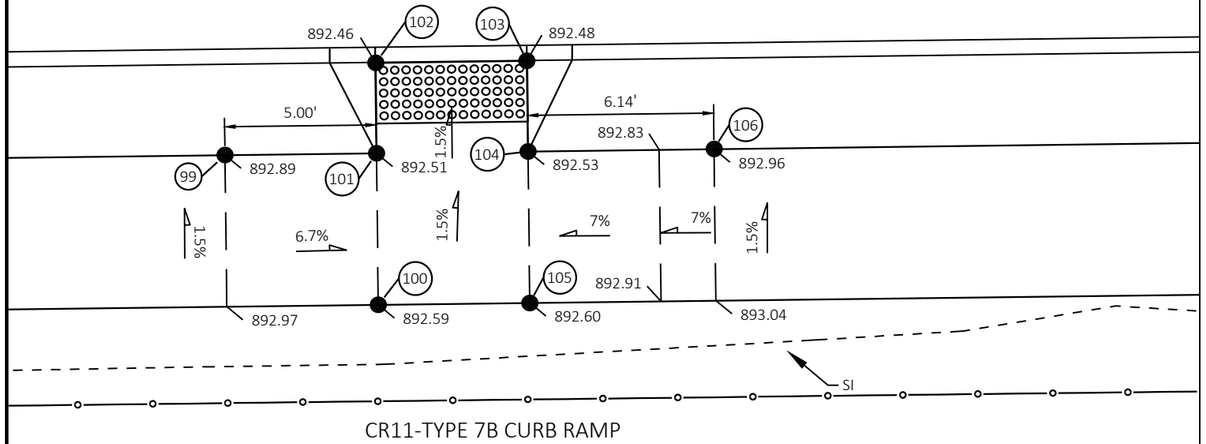
POINT	STATION	OFFSET	NORTHING	EASTING
107	31+65.81	15.00' LT	352413.33'	791507.00'
108	31+80.81	30.00' LT	352428.51'	791521.81'
109	31+65.67	17.50' LT	352415.83'	791506.83'
110	31+65.67	20.50' LT	352418.83'	791506.79'
111	31+70.67	18.48' LT	352416.87'	791511.81'
112	31+73.89	20.51' LT	352418.94'	791515.00'
113	31+77.47	25.50' LT	352423.97'	791518.53'
114	31+70.67	25.50' LT	352423.89'	791511.73'
115	31+65.67	25.50' LT	352423.83'	791506.73'
116	31+65.67	30.76' LT	352429.09'	791506.66'
117	31+70.67	30.73' LT	352429.11'	791511.66'

CR13-TYPE 2 CURB RAMP



POINT	STATION	OFFSET	NORTHING	EASTING
118	32+15.57	30.00' LT	352428.95'	791556.57'
119	32+30.57	15.00' LT	352414.13'	791571.75'
120	32+18.91	25.50' LT	352424.49'	791559.96'
121	32+22.45	20.50' LT	352419.53'	791563.56'
122	32+29.45	20.50' LT	352419.62'	791570.56'
123	32+29.45	25.50' LT	352424.62'	791570.50'
124	32+35	20.50' LT	352419.69'	791576.11'

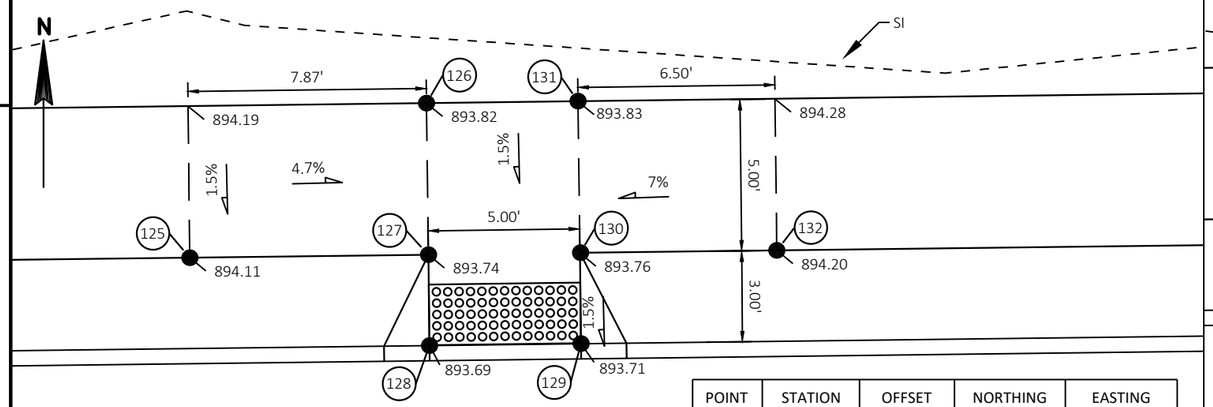
CR11-TYPE 7B CURB RAMP



CR11-TYPE 7B CURB RAMP

POINT	STATION	OFFSET	NORTHING	EASTING
99	31+60.67	26.50' RT	352371.77'	791502.37'
100	31+65.67	31.50' RT	352366.83'	791507.43'
101	31+65.67	26.50' RT	352371.83'	791507.37'
102	31+65.68	23.52' RT	352374.81'	791507.35'
103	31+70.67	23.51' RT	352374.88'	791512.33'
104	31+70.67	26.50' RT	352371.89'	791512.37'
105	31+70.67	31.50' RT	352366.89'	791512.43'
106	31+76.81	26.50' RT	352371.97'	791518.51'

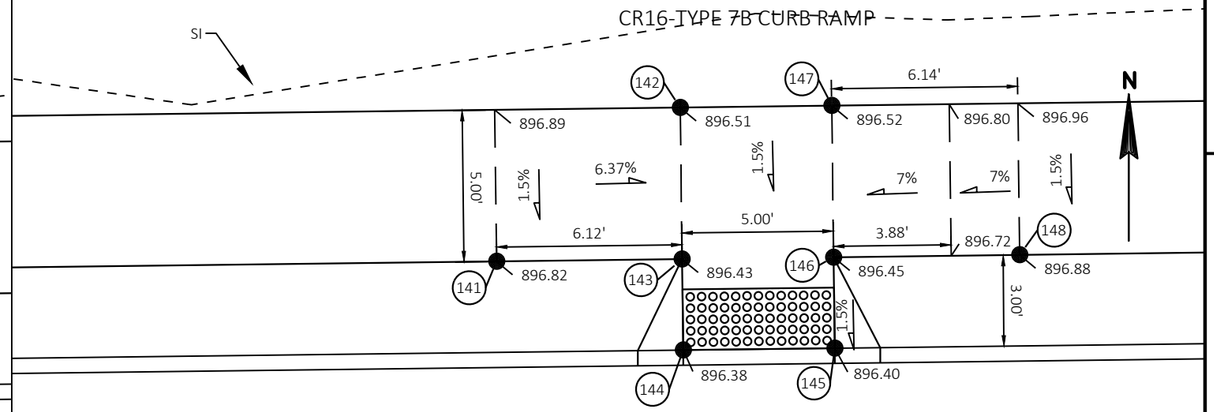
CR14-TYPE 7B CURB RAMP



POINT	STATION	OFFSET	NORTHING	EASTING
125	34+00	20.50' LT	352421.74'	791741.10'
126	34+07.87	25.50' LT	352426.84'	791748.91'
127	34+07.87	20.50' LT	352421.84'	791748.97'
128	34+07.87	17.50' LT	352418.84'	791749.01'
129	34+12.87	17.50' LT	352418.90'	791754.01'
130	34+12.89	20.50' LT	352421.90'	791753.99'
131	34+12.87	25.50' LT	352426.90'	791753.91'
132	34+19.37	20.50' LT	352421.98'	791760.47'

CTH D / E. CHURCH ST.

CR16-TYPE 7B CURB RAMP

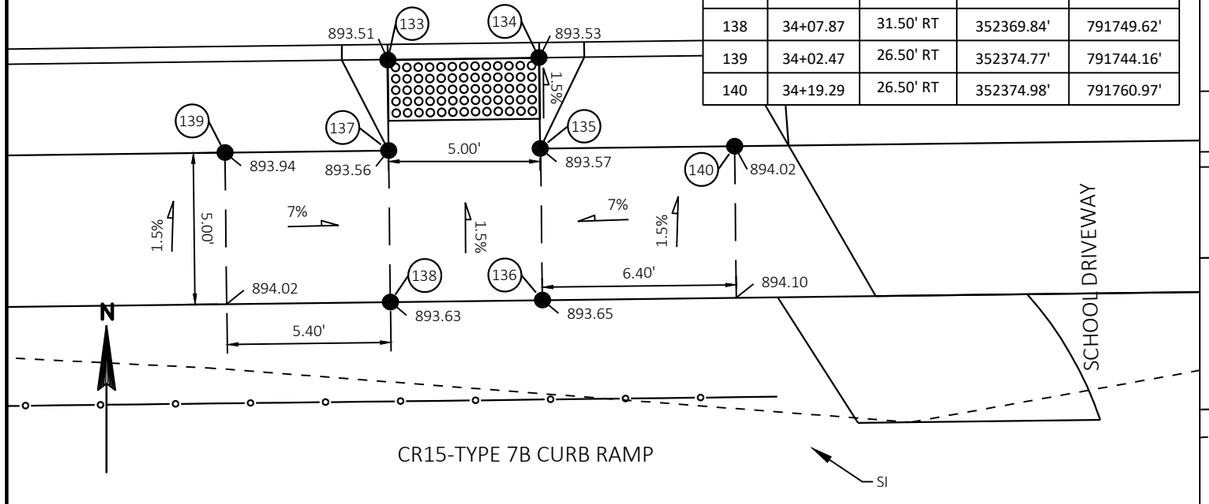


POINT	STATION	OFFSET	NORTHING	EASTING
141	39+85	20.50' LT	352429.01'	792326.05'
142	39+91.12	25.50' LT	352434.09'	792332.11'
143	39+91.12	20.50' LT	352429.09'	792332.17'
144	39+91.12	17.50' LT	352426.09'	792332.21'
145	39+96.12	17.50' LT	352426.15'	792337.21'
146	39+96.12	20.50' LT	352429.15'	792337.17'
147	39+96.12	25.50' LT	352434.15'	792337.11'
148	40+02.26	20.50' LT	352429.22'	792343.31'

CTH D / E. CHURCH ST.

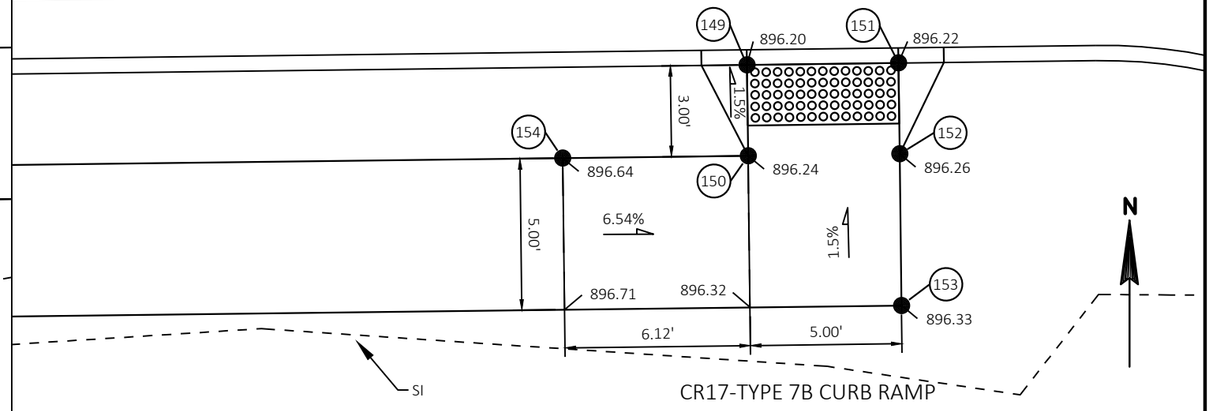
CTH D / E. CHURCH ST.

POINT	STATION	OFFSET	NORTHING	EASTING
133	34+07.88	23.52' RT	352377.82'	791749.53'
134	34+12.87	23.50' RT	352377.90'	791754.52'
135	34+12.87	26.50' RT	352374.90'	791754.55'
136	34+12.89	31.50' RT	352369.90'	791754.63'
137	34+07.87	26.50' RT	352374.84'	791749.56'
138	34+07.87	31.50' RT	352369.84'	791749.62'
139	34+02.47	26.50' RT	352374.77'	791744.16'
140	34+19.29	26.50' RT	352374.98'	791760.97'



POINT	STATION	OFFSET	NORTHING	EASTING
149	39+91.12	23.50' RT	352385.09'	792332.72'
150	39+91.12	26.50' RT	352382.09'	792332.76'
151	39+96.12	23.50' RT	352385.15'	792337.72'
152	39+96.12	26.50' RT	352382.15'	792337.76'
153	39+96.12	31.50' RT	352377.15'	792337.82'
154	39+85	26.50' RT	352382.01'	792326.64'

CTH D / E. CHURCH ST.



PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CONSTRUCTION DETAILS	SHEET 26	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\021002-CD.DWG
LAYOUT NAME - 05

PLOT DATE : 7/13/2020 3:49 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:5 FT

WISDOT/CADDS SHEET 42

2

N

¾" ROD
STA 20+57.32
34.36' LT

¾" ROD
STA 21+19.43
25.89' LT

CTH Y / N MAIN ST

W CHURCH ST

68.02'

70.13'

5+00

21+00

CTH D / E CHURCH ST

BORE

POST

CP#2
STA 20+77.77
30.52' RT
N=352,354.07
E=790,419.47
ELEV = 893.52

44.00'

42.34'

¾" ROD
STA 20+59.20
84.52' RT

57.10'

CTH Y / N MAIN ST

G.P.

PK NAIL
STA 21+18.20
43.14' RT

¾" ROD
STA 38+21.60
23.61' LT

CP#6
STA 38+47.60
24.45' LT
N=352,431.25
E=792,188.62
ELEV = 896.22

¾" ROD
STA 38+71.49
24.03' LT

26.02'

23.89'

57.48'

57.60'

38+00

39+00

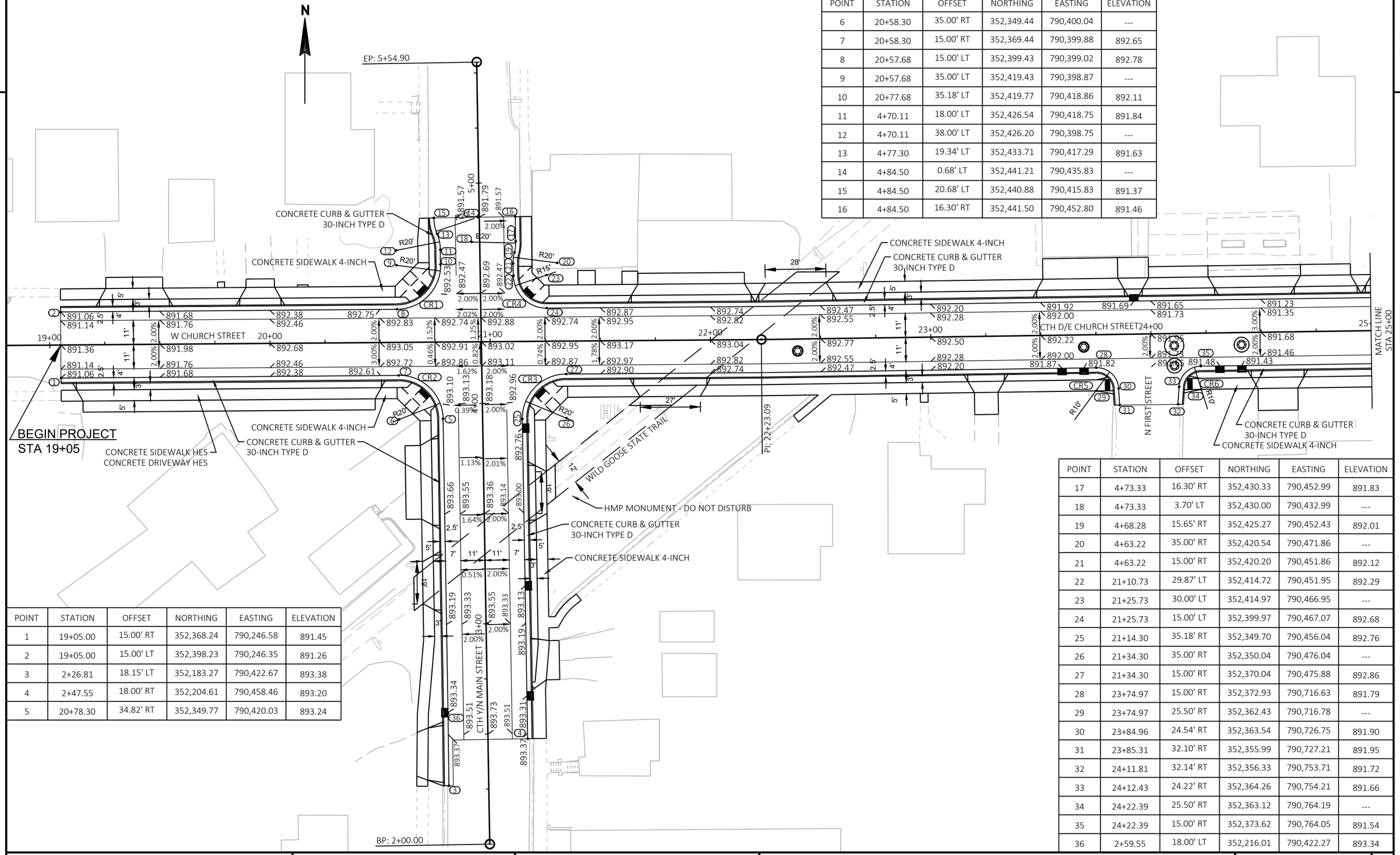
CTH D / E CHURCH ST

¾" ROD
STA 38+23.44
27.71' RT

¾" ROD
STA 38+72.02
27.72' RT

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CONSTRUCTION DETAILS	SHEET 27	E

2



POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
6	20+58.30	35.00' RT	352,349.44	790,400.04	---
7	20+58.30	15.00' RT	352,369.44	790,399.88	892.65
8	20+57.68	15.00' LT	352,399.43	790,399.02	892.78
9	20+57.68	35.00' LT	352,419.43	790,398.87	---
10	20+77.68	35.18' LT	352,419.77	790,418.86	892.11
11	4+70.11	18.00' LT	352,426.54	790,418.75	891.84
12	4+70.11	38.00' LT	352,426.20	790,398.75	---
13	4+77.30	19.34' LT	352,433.71	790,417.29	891.63
14	4+84.50	0.68' LT	352,441.21	790,435.83	---
15	4+84.50	20.68' LT	352,440.88	790,415.83	891.37
16	4+84.50	16.30' RT	352,441.50	790,452.80	891.46

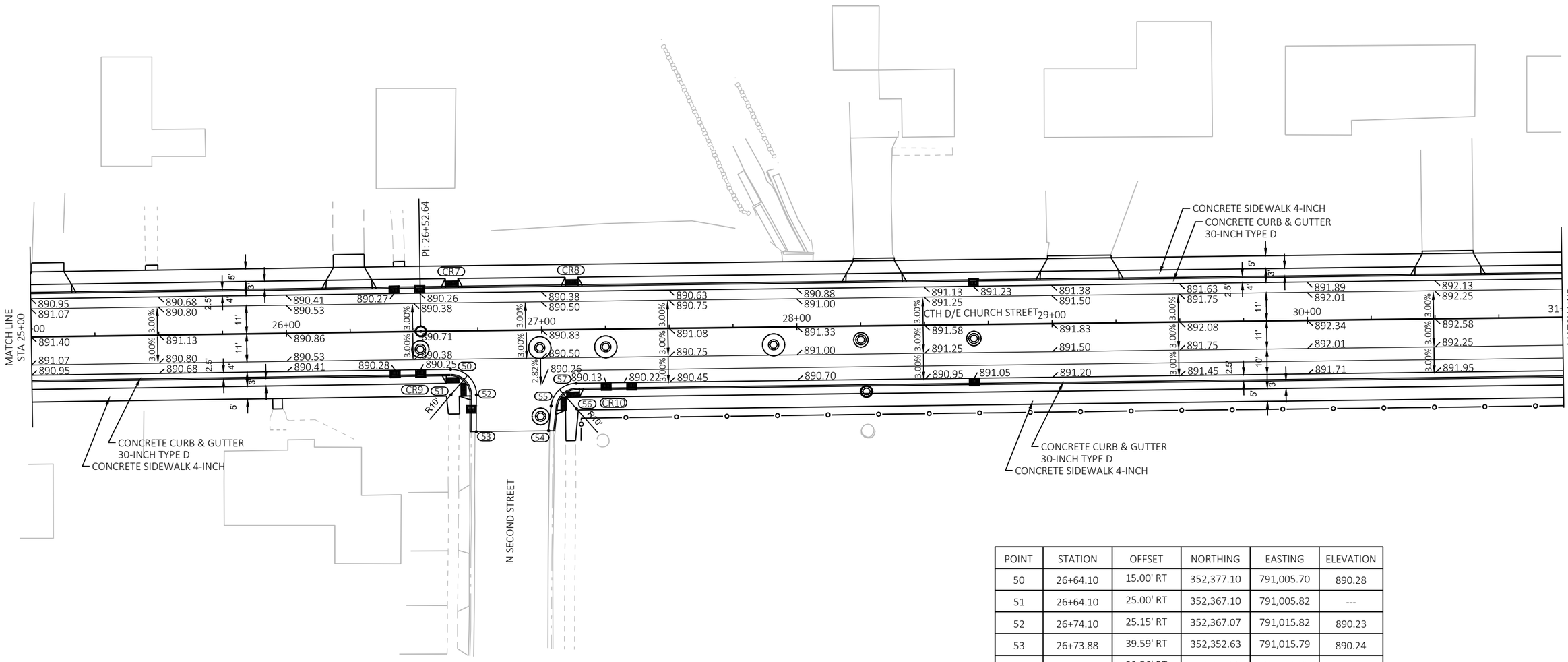
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
1	19+05.00	15.00' RT	352,368.24	790,246.58	891.45
2	19+05.00	15.00' LT	352,398.23	790,246.35	891.26
3	2+26.81	18.15' LT	352,183.27	790,422.67	893.38
4	2+47.55	18.00' RT	352,204.61	790,458.46	893.20
5	20+78.30	34.82' RT	352,349.77	790,420.03	893.24

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
17	4+73.33	16.30' RT	352,430.33	790,452.99	891.83
18	4+73.33	3.70' LT	352,430.00	790,432.99	---
19	4+68.28	15.65' RT	352,425.27	790,452.43	892.01
20	4+63.22	35.00' RT	352,420.54	790,471.86	---
21	4+63.22	15.00' LT	352,420.20	790,451.86	892.12
22	21+10.73	29.87' LT	352,414.72	790,451.95	892.29
23	21+25.73	30.00' LT	352,414.97	790,466.95	---
24	21+25.73	15.00' LT	352,399.97	790,467.07	892.68
25	21+14.30	35.18' RT	352,349.70	790,456.04	892.76
26	21+34.30	35.00' RT	352,350.04	790,476.04	---
27	21+34.30	15.00' RT	352,370.04	790,475.88	892.86
28	23+74.97	15.00' RT	352,372.93	790,716.63	891.79
29	23+74.97	25.50' RT	352,362.43	790,716.78	---
30	23+84.96	24.54' RT	352,363.54	790,726.75	891.90
31	23+85.31	32.10' RT	352,355.99	790,727.21	891.95
32	24+11.81	32.14' RT	352,356.33	790,753.71	891.72
33	24+12.43	24.22' RT	352,364.26	790,754.21	891.66
34	24+22.39	25.50' RT	352,363.12	790,764.19	---
35	24+22.39	15.00' RT	352,373.62	790,764.05	891.54
36	2+59.55	18.00' LT	352,216.01	790,422.27	893.34

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN DETAILS	SHEET 28	E

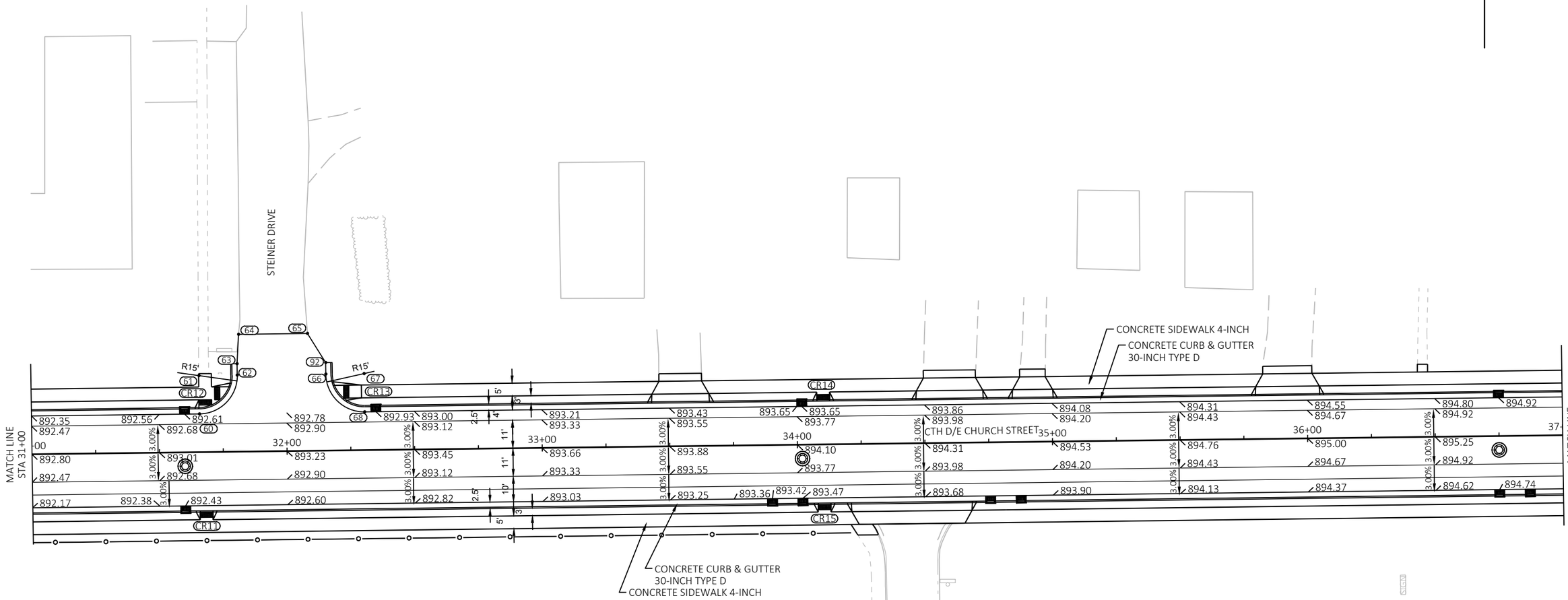
2

N



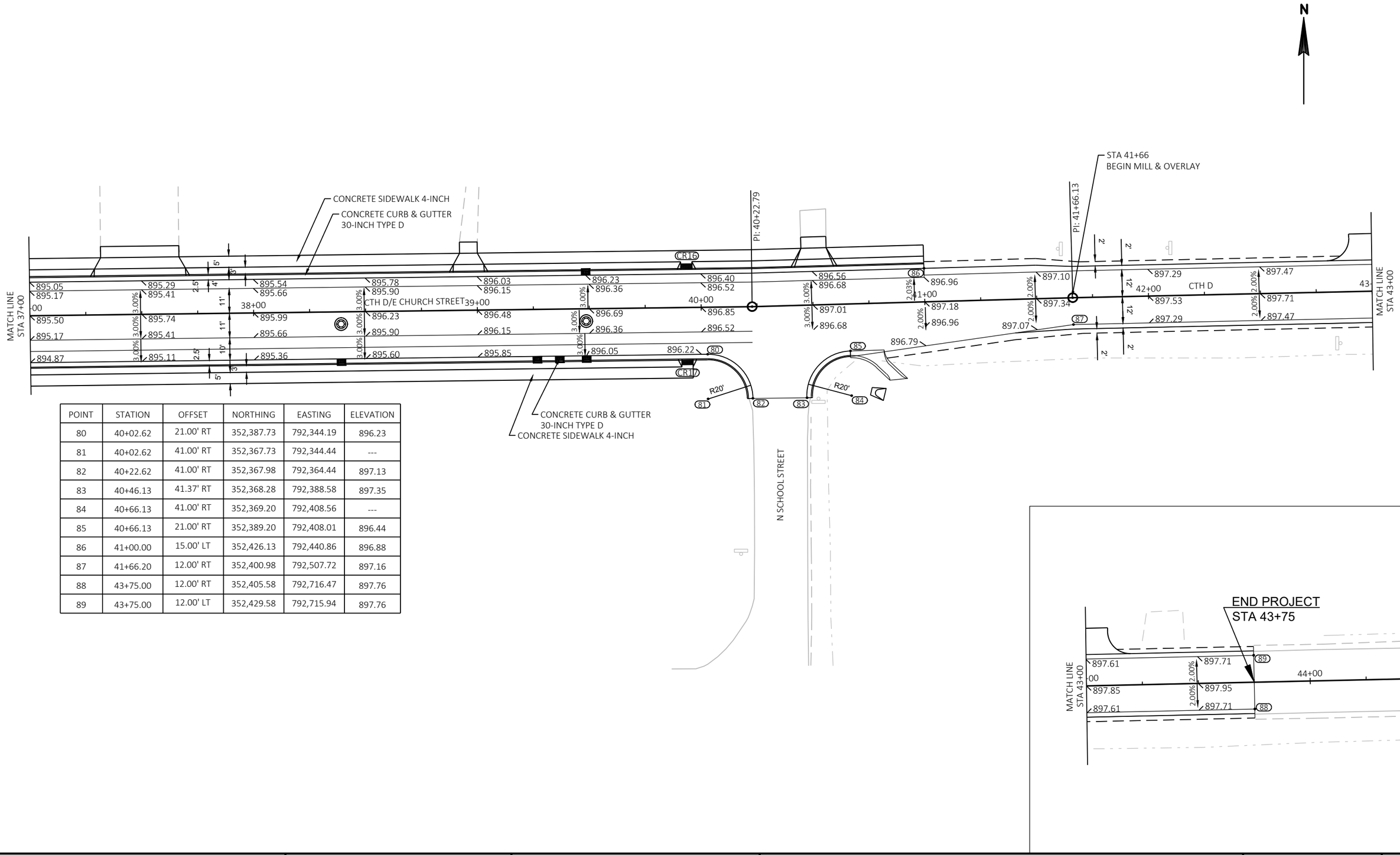
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
50	26+64.10	15.00' RT	352,377.10	791,005.70	890.28
51	26+64.10	25.00' RT	352,367.10	791,005.82	---
52	26+74.10	25.15' RT	352,367.07	791,015.82	890.23
53	26+73.88	39.59' RT	352,352.63	791,015.79	890.24
54	27+02.19	39.56' RT	352,353.01	791,044.09	890.24
55	27+03.32	29.85' RT	352,362.74	791,045.10	890.21
56	27+13.25	31.00' RT	352,361.71	791,055.04	---
57	27+13.25	21.00' RT	352,371.71	791,054.92	890.17

2



POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
60	31+65.81	15.00' LT	352,413.33	791,507.00	892.62
61	31+65.81	30.00' LT	352,428.33	791,506.81	---
62	31+80.81	30.00' LT	352,428.51	791,521.81	892.71
63	31+80.81	34.49' LT	352,433.00	791,521.75	892.73
64	31+81.53	46.00' LT	352,444.52	791,522.33	892.63
65	32+08.54	46.00' LT	352,444.86	791,549.33	892.48
66	32+15.57	30.00' LT	352,428.95	791,556.57	892.59
67	32+30.57	30.00' LT	352,429.13	791,571.57	---
68	32+30.57	15.00' LT	352,414.13	791,571.75	892.89
92	32+15.57	34.49' LT	352,433.43	791,556.51	892.53

2



POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
80	40+02.62	21.00' RT	352,387.73	792,344.19	896.23
81	40+02.62	41.00' RT	352,367.73	792,344.44	---
82	40+22.62	41.00' RT	352,367.98	792,364.44	897.13
83	40+46.13	41.37' RT	352,368.28	792,388.58	897.35
84	40+66.13	41.00' RT	352,369.20	792,408.56	---
85	40+66.13	21.00' RT	352,389.20	792,408.01	896.44
86	41+00.00	15.00' LT	352,426.13	792,440.86	896.88
87	41+66.20	12.00' RT	352,400.98	792,507.72	897.16
88	43+75.00	12.00' RT	352,405.58	792,716.47	897.76
89	43+75.00	12.00' LT	352,429.58	792,715.94	897.76

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN DETAILS	SHEET 31	E

2

LEGEND

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

N

EP: 5+54.90

5+00

SLOPE INTERCEPT

EXISTING R/W

PI: 22+23.09

TLE

SLOPE INTERCEPT

EXISTING R/W

19+00

W CHURCH STREET

20+00

21+00

22+00

23+00

CTH D/E CHURCH STREET

24+00

25

MATCH LINE
STA 25+00

EXISTING R/W

TLE

SLOPE INTERCEPT

BEGIN PROJECT
STA 19+05

4+00

CTH Y/N MAIN STREET

EXISTING R/W

R/W

TLE

SLOPE INTERCEPT

WILD GOOSE STATE TRAIL

N FIRST STREET

TLE

SLOPE INTERCEPT

3+00

TLE

TLE

SLOPE INTERCEPT

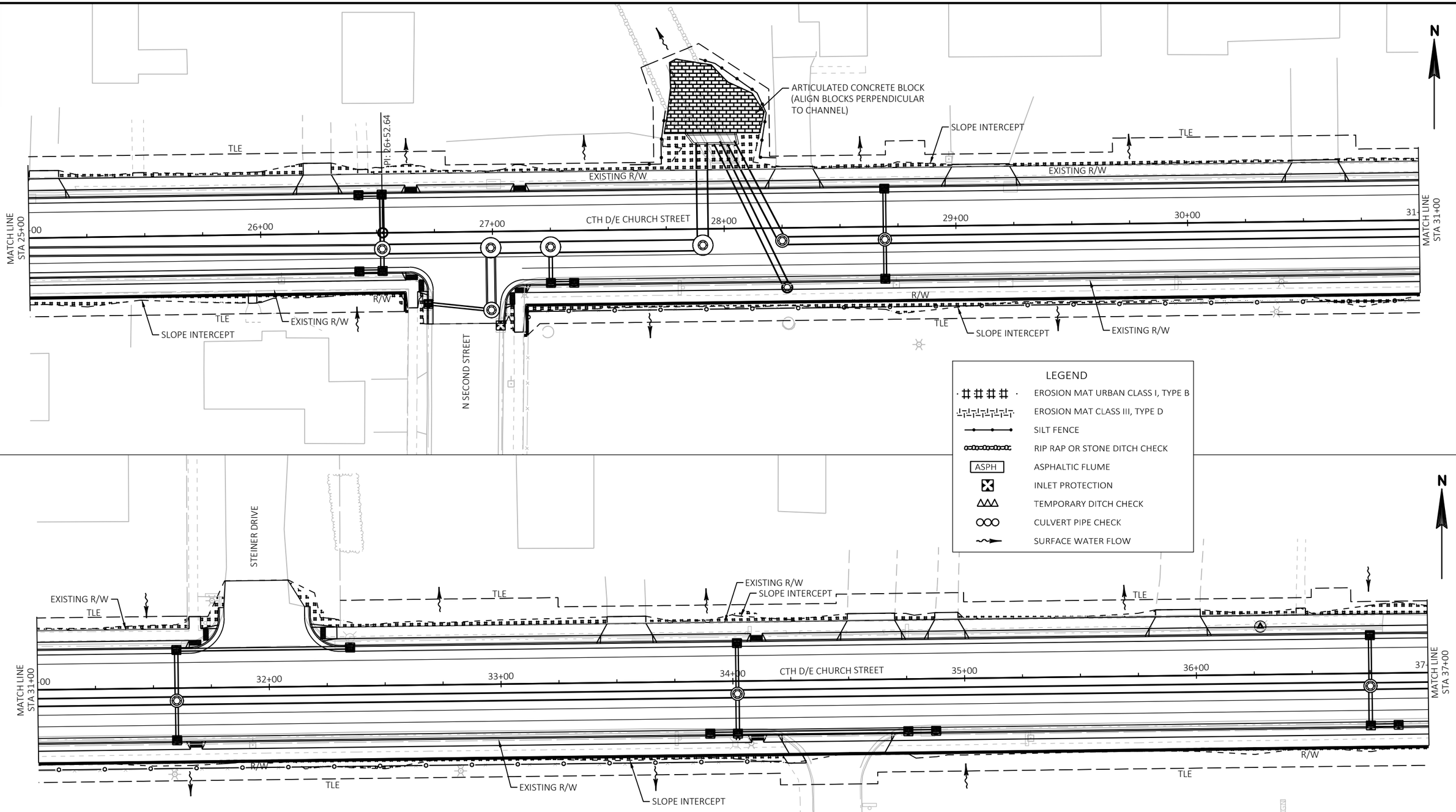
BP: 2+00.00

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	EROSION CONTROL	SHEET 32	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001-ec

PLOT DATE : 7/13/2020 3:40 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

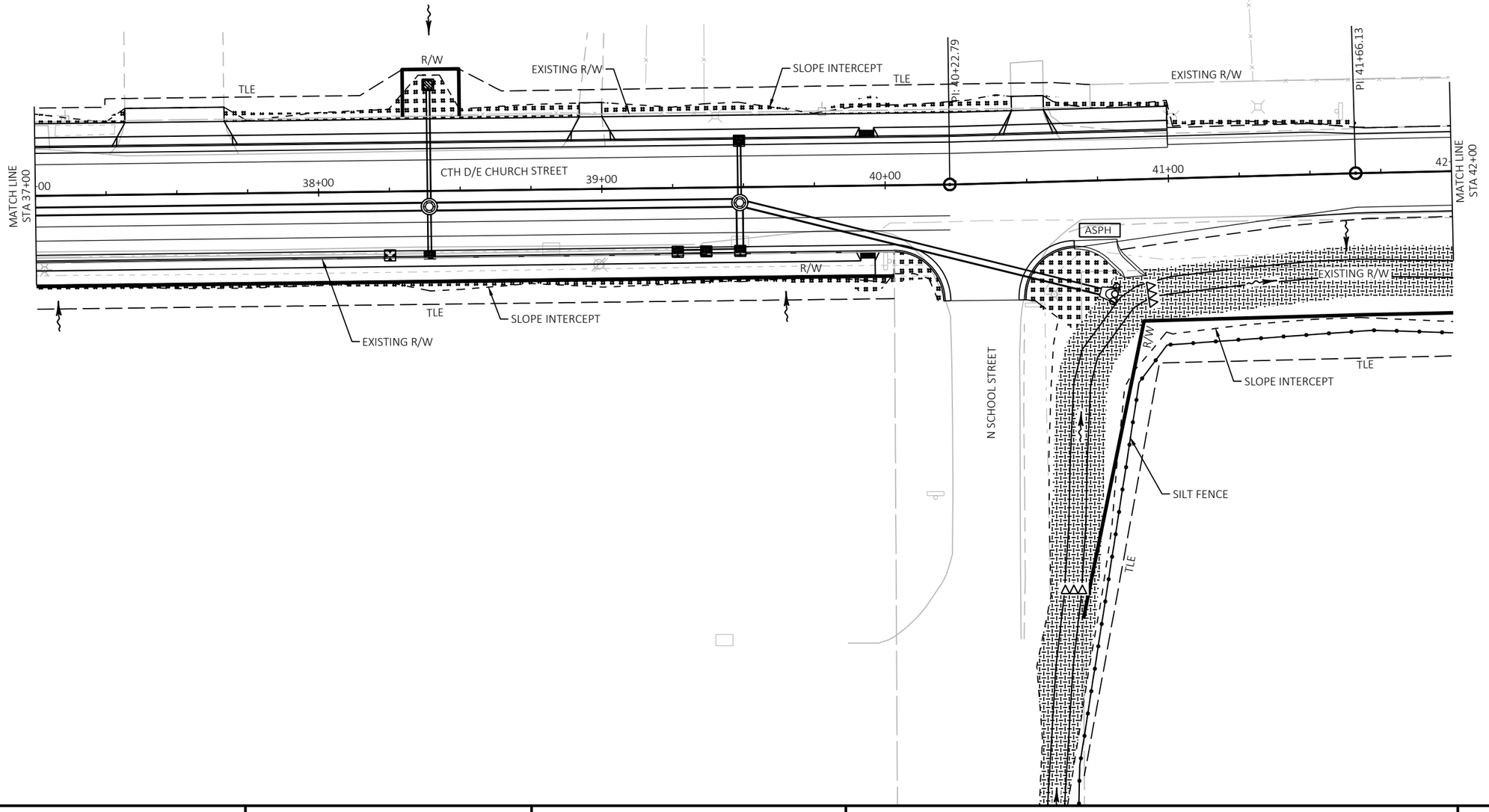
2



PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	EROSION CONTROL	SHEET 33	E

LEGEND

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



PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	EROSION CONTROL	SHEET 34	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022003-ec

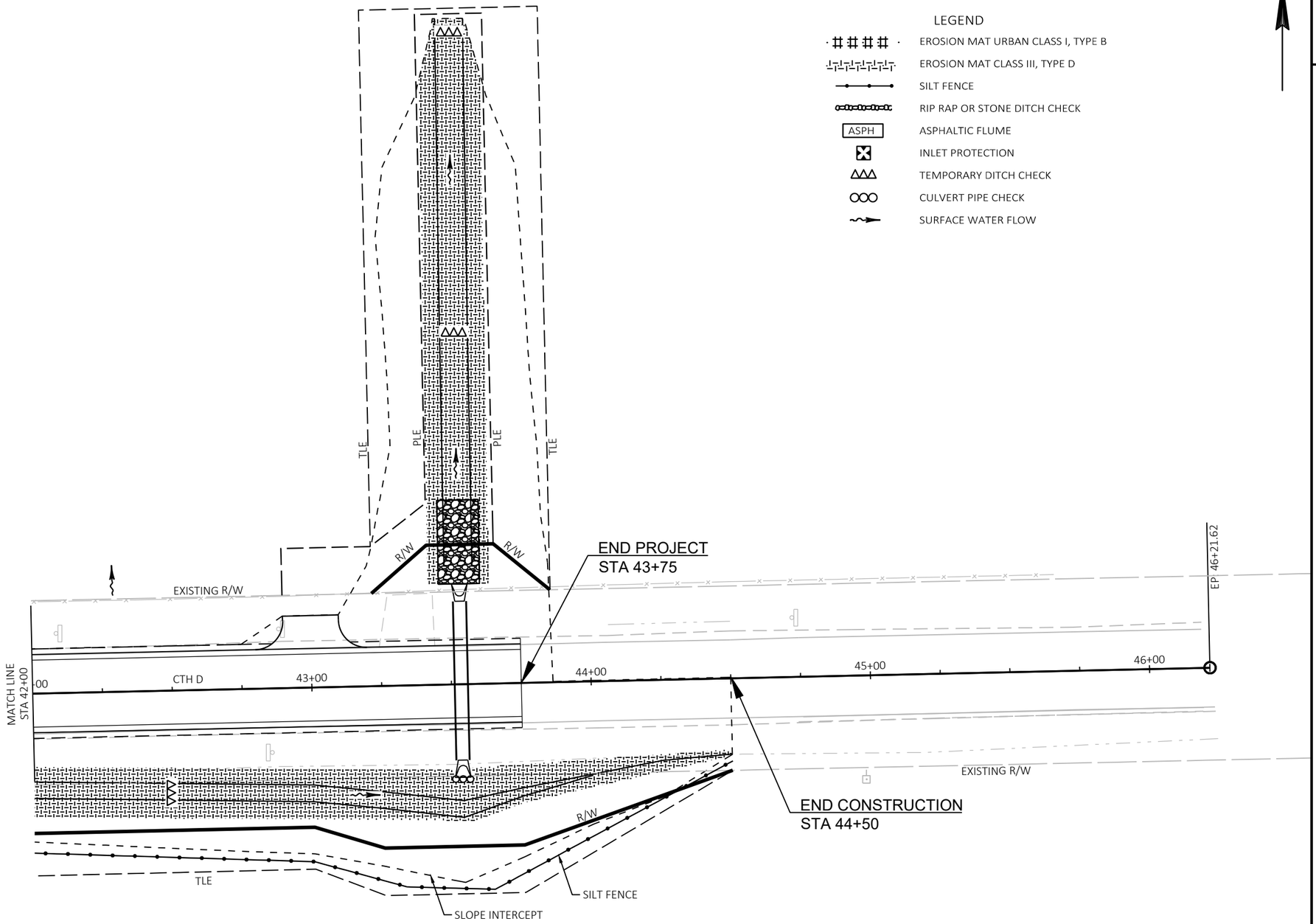
PLOT DATE : 7/13/2020 3:41 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

LEGEND

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



PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	EROSION CONTROL	SHEET 35	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec

PLOT DATE : 7/13/2020 3:41 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2.0 Manholes 3-FT Diameter
STA = 22+39.53 , 5.44' RT

INLETS 2x3-FT - H
STA. 23+92.45 , 16.50' LT 3.3

4.0 Manholes 8-FT Diameter
STA = 24+10.45 , 5.50' RT

MANHOLES 7-FT DIAMETER - J
STA. 23+69.37 , 5.50' RT 3.0

6.0 MANHOLES 6-FT DIAMETER - J
STA = 24+41.04 , 5.50' RT

MANHOLES 8-FT DIAMETER - J
STA. 26+99.16 , 7.00' RT 8.0

INLETS 2x3-FT - H
STA. 26+52.40 , 16.50' LT 7.3

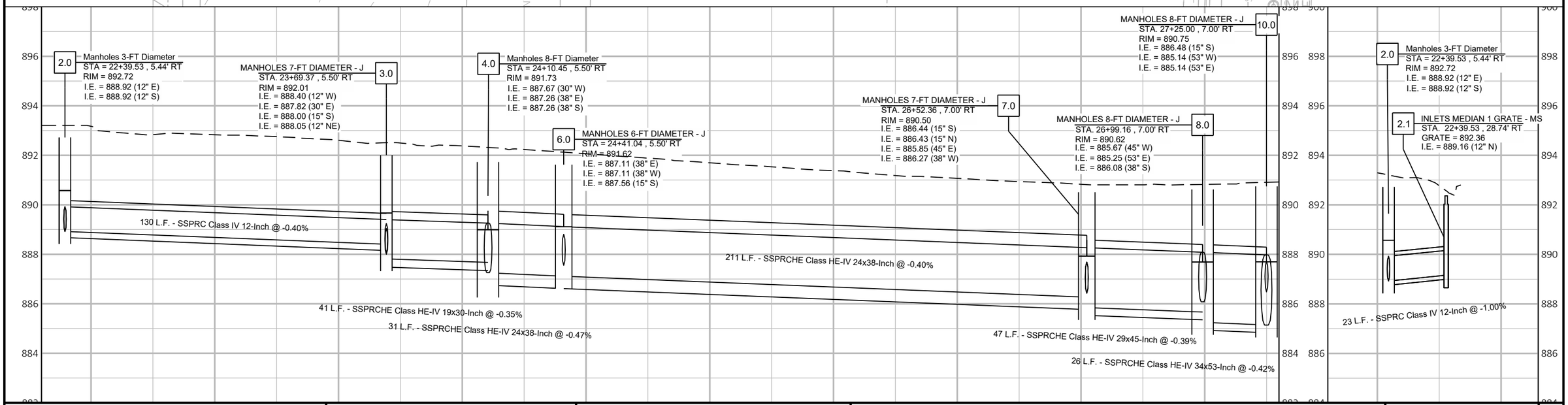
INLETS 2x3-FT - H
STA. 26+42.40 , 16.50' LT 7.4

MANHOLES 7-FT DIAMETER - J
STA. 26+52.36 , 7.00' RT 7.0

MANHOLES 8-FT DIAMETER - J
STA. 27+90.73 , 7.00' RT 11.0

10.0 MANHOLES 8-FT DIAMETER - J
STA = 27+25.00 , 7.00' RT

PROPOSED WATER MAIN
EXISTING R/W
TLE
PI: 22+23.09
REMOVING INLETS
REMOVING STORM SEWER 12-INCH
PI: 26+52.64
REMOVING INLETS
ABANDONING CULVERT PIPE 12-INCH @ RW
REMOVING STORM SEWER 12-INCH TO R/W
TLE
REMOVING STORM SEWER 12-INCH
PROPOSED SANITARY SEWER
CTH D/E CHURCH STREET
REMOVING STORM SEWER 15-INCH
22+00 23+00 24+00 25+00 26+00 27+00 28+00
REMOVING STORM SEWER 12-INCH
REMOVING INLETS
REMOVING STORM SEWER 12-INCH
EXISTING R/W
PLE
TLE
R/W
EXISTING R/W
TLE
R/W
R/W
TLE
2.1 INLETS MEDIAN 1 GRATE - MS
STA. 22+39.53 , 28.74' RT
INLETS 2x3-FT - H
STA. 23+59.37 , 16.50' RT 3.2
INLETS 2x3-FT - H
STA. 23+69.37 , 16.50' RT 3.1
CUT OUT CURB HEAD TO DRAIN
REMOVE REMAINING CURB & GUTTER TO THE NORTHEAST
REMOVING STORM SEWER 6-INCH
REMOVING INLETS
REMOVING STORM SEWER 10-INCH
EXISTING LOCATION OF CONTAMINATED SOIL AND GROUND WATER
N FIRST STREET
6.1 INLETS 2x3-FT - H
STA. 24+41.03 , 16.50' RT
6.2 INLETS 2x3-FT - H
STA. 24+31.05 , 16.50' RT
REMOVING INLETS
REMOVING STORM SEWER 15-INCH
RECONNECT EXISTING STORM SEWER
REMOVING MANHOLES
4.1 MANHOLES 6-FT DIAMETER - J
STA = 24+10.45 , 14.57' RT
ADJUST EXISTING INLET
INLETS 2x3-FT - H
STA. 26+42.35 , 16.50' RT 7.2
INLETS 2x3-FT - H
STA. 26+52.35 , 16.50' RT 7.1
ADJUST EXISTING INLET
STA. 26+72.01 , 30.75' RT 8.2
REMOVING STORM SEWER 12-INCH
N SECOND STREET
10.2 INLETS 2x3-FT - H
STA. 27+35.00 , 22.50' RT
10.1 INLETS 2x3-FT - H
STA. 27+25.00 , 22.50' RT
REMOVING MANHOLES
REMOVING STORM SEWER 12-INCH
8.1 MANHOLES 6-FT DIAMETER - J
STA = 26+99.16 , 33.88' RT
EXISTING INLET TO REMAIN
CONNECT TO EXISTING STORM SEWER
N



PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	STORM SEWER	SHEET 36	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\STORM SEWER\020102_SS PARKING ONE SIDE.DWG
LAYOUT NAME - 022501-ss
PLOT DATE : 7/14/2020 9:35 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2.0 Manholes 3-FT Diameter
STA = 22+39.53 , 5.44' RT

INLETS 2x3-FT - H
STA. 23+92.45 , 16.50' LT 3.3

4.0 Manholes 8-FT Diameter
STA = 24+10.45 , 5.50' RT

MANHOLES 8-FT DIAMETER - J
STA. 26+99.16 , 7.00' RT 8.0

MANHOLES 8-FT DIAMETER - J
STA. 27+90.73 , 7.00' RT 11.0

INLETS 2x3-FT - H
STA. 26+52.40 , 16.50' LT 7.3

INLETS 2x3-FT - H
STA. 26+42.40 , 16.50' LT 7.4

MANHOLES 7-FT DIAMETER - J
STA. 23+69.37 , 5.50' RT 3.0

6.0 MANHOLES 6-FT DIAMETER - J
STA = 24+41.04 , 5.50' RT

MANHOLES 7-FT DIAMETER - J
STA. 26+52.36 , 7.00' RT 7.0

PROPOSED WATER MAIN
EXISTING R/W
TLE
PI: 22+23.09
REMOVING INLETS
REMOVING STORM SEWER 12-INCH
PI: 26+52.64
REMOVING INLETS
ABANDONING CULVERT PIPE 12-INCH @ RW
REMOVING STORM SEWER 12-INCH TO R/W
10.0 MANHOLES 8-FT DIAMETER - J
STA = 27+25.00 , 7.00' RT
TLE
REMOVING STORM SEWER 12-INCH

22+00 23+00 24+00 25+00 26+00 27+00 28+00

PROPOSED SANITARY SEWER
REMOVING STORM SEWER 12-INCH
REMOVING INLETS
REMOVING STORM SEWER 12-INCH
CTH D/E CHURCH STREET
REMOVING STORM SEWER 15-INCH

EXISTING R/W
PLE
TLE
R/W
2.1 INLETS MEDIAN 1 GRATE - MS
STA. 22+39.53 , 28.74' RT

INLETS 2x3-FT - H
STA. 23+59.37 , 16.50' RT 3.2

INLETS 2x3-FT - H
STA. 23+69.37 , 16.50' RT 3.1

CUT OUT CURB HEAD TO DRAIN
REMOVE REMAINING CURB & GUTTER TO THE NORTHEAST

REMOVING INLETS
REMOVING STORM SEWER 10-INCH

EXISTING LOCATION OF CONTAMINATED SOIL AND GROUND WATER

N FIRST STREET

6.1 INLETS 2x3-FT - H
STA. 24+41.03 , 16.50' RT

6.2 INLETS 2x3-FT - H
STA. 24+31.05 , 16.50' RT

REMOVING INLETS
REMOVING STORM SEWER 15-INCH
RECONNECT EXISTING STORM SEWER
REMOVING MANHOLES

4.1 MANHOLES 6-FT DIAMETER - J
STA = 24+10.45 , 14.57' RT

ADJUST EXISTING INLET

INLETS 2x3-FT - H
STA. 26+42.35 , 16.50' RT 7.2

INLETS 2x3-FT - H
STA. 26+52.35 , 16.50' RT 7.1

ADJUST EXISTING INLET
STA. 26+72.01 , 30.75' RT 8.2

REMOVING STORM SEWER 12-INCH

N SECOND STREET

10.2 INLETS 2x3-FT - H
STA. 27+35.00 , 22.50' RT

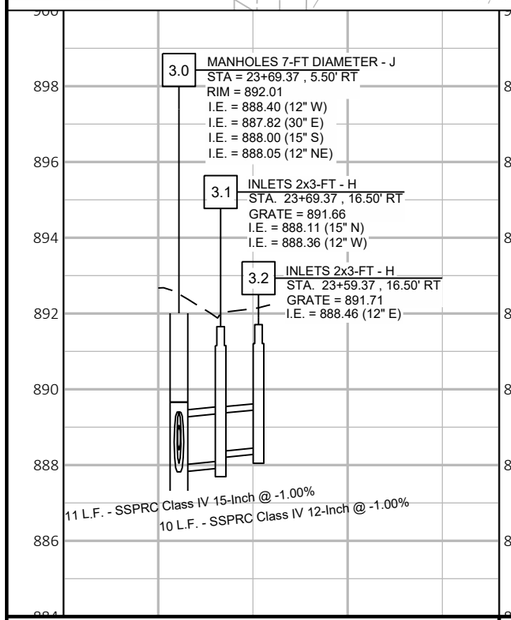
10.1 INLETS 2x3-FT - H
STA. 27+25.00 , 22.50' RT

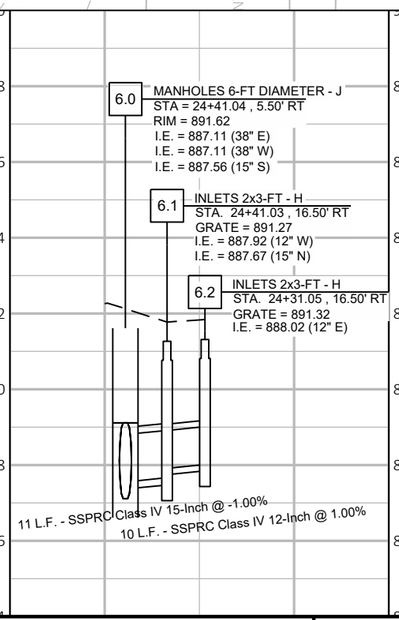
REMOVING MANHOLES
REMOVING STORM SEWER 12-INCH

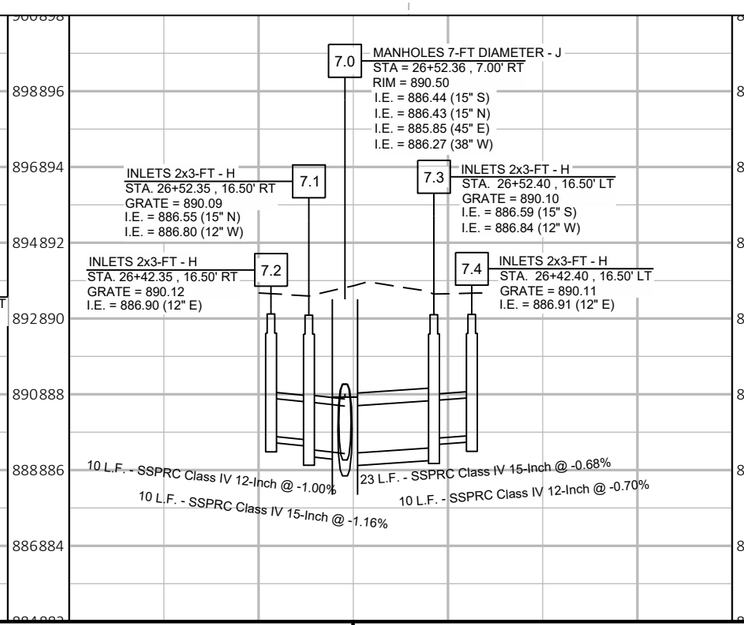
8.1 MANHOLES 6-FT DIAMETER - J
STA = 26+99.16 , 33.88' RT

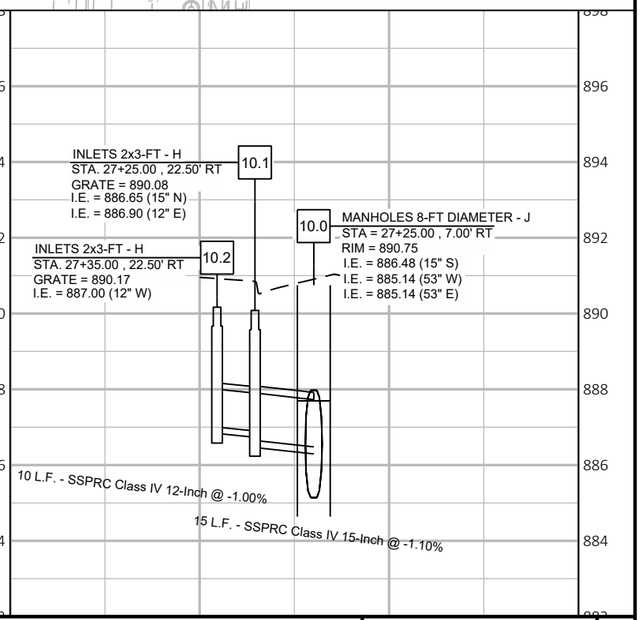
EXISTING INLET TO REMAIN
CONNECT TO EXISTING STORM SEWER

2x3-FT - H
+16.93 , 19.50' RT









PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	STORM SEWER	SHEET 37	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\STORM SEWER\020102_SS PARKING ONE SIDE.DWG
LAYOUT NAME - 022502-ss

PLOT DATE : 7/14/2020 9:35 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2.0 Manholes 3-FT Diameter
STA = 22+39.53 , 5.44' RT

INLETS 2x3-FT - H
STA. 23+92.45 , 16.50' LT 3.3

4.0 Manholes 8-FT Diameter
STA = 24+10.45 , 5.50' RT

MANHOLES 7-FT DIAMETER - J
STA. 23+69.37 , 5.50' RT 3.0

6.0 MANHOLES 6-FT DIAMETER - J
STA = 24+41.04 , 5.50' RT

MANHOLES 8-FT DIAMETER - J
STA. 26+99.16 , 7.00' RT 8.0

INLETS 2x3-FT - H
STA. 26+52.40 , 16.50' LT 7.3

INLETS 2x3-FT - H
STA. 26+42.40 , 16.50' LT 7.4

MANHOLES 7-FT DIAMETER - J
STA. 26+52.36 , 7.00' RT 7.0

MANHOLES 8-FT DIAMETER - J
STA. 27+90.73 , 7.00' RT 11.0

10.0 MANHOLES 8-FT DIAMETER - J
STA = 27+25.00 , 7.00' RT

PROPOSED WATER MAIN
EXISTING R/W
TLE
PI: 22+23.09
REMOVING INLETS
REMOVING STORM SEWER 12-INCH
PI: 26+52.64
REMOVING INLETS
ABANDONING CULVERT PIPE 12-INCH @ RW
REMOVING STORM SEWER 12-INCH TO R/W
TLE
REMOVING STORM SEWER 12-INCH
REMOVING STORM SEWER 15-INCH
PROPOSED SANITARY SEWER
REMOVING STORM SEWER 12-INCH
REMOVING INLETS
REMOVING STORM SEWER 12-INCH
CTH D/E CHURCH STREET
22+00
23+00
24+00
25+00
26+00
27+00
28+00
EXISTING R/W
PLE
TLE
R/W
2.1 INLETS MEDIAN 1 GRATE - MS
STA. 22+39.53 , 28.74' RT
INLETS 2x3-FT - H
STA. 23+59.37 , 16.50' RT 3.2
INLETS 2x3-FT - H
STA. 23+69.37 , 16.50' RT 3.1
CUT OUT CURB HEAD TO DRAIN
REMOVE REMAINING CURB & GUTTER TO THE NORTHEAST
REMOVING INLETS
REMOVING STORM SEWER 10-INCH
EXISTING LOCATION OF CONTAMINATED SOIL AND GROUND WATER
N FIRST STREET
6.1 INLETS 2x3-FT - H
STA. 24+41.03 , 16.50' RT
6.2 INLETS 2x3-FT - H
STA. 24+31.05 , 16.50' RT
REMOVING INLETS
REMOVING STORM SEWER 15-INCH
RECONNECT EXISTING STORM SEWER
REMOVING MANHOLES
4.1 MANHOLES 6-FT DIAMETER - J
STA = 24+10.45 , 14.57' RT
ADJUST EXISTING INLET
INLETS 2x3-FT - H
STA. 26+42.35 , 16.50' RT 7.2
INLETS 2x3-FT - H
STA. 26+52.35 , 16.50' RT 7.1
ADJUST EXISTING INLET
STA. 26+72.01 , 30.75' RT 8.2
REMOVING STORM SEWER 12-INCH
N SECOND STREET
R/W
TLE
10.2 INLETS 2x3-FT - H
STA. 27+35.00 , 22.50' RT
10.1 INLETS 2x3-FT - H
STA. 27+25.00 , 22.50' RT
REMOVING MANHOLES
REMOVING STORM SEWER 12-INCH
8.1 MANHOLES 6-FT DIAMETER - J
STA = 26+99.16 , 33.88' RT
EXISTING INLET TO REMAIN
CONNECT TO EXISTING STORM SEWER

MANHOLES 7-FT DIAMETER - J
STA. 23+69.37 , 5.50' RT
RIM = 892.01
I.E. = 888.40 (12" W)
I.E. = 887.82 (30" E)
I.E. = 888.00 (15" S)
I.E. = 888.05 (12" NE)
3.0
3.3 INLETS 2x3-FT - H
STA. 23+92.45 , 16.50' LT
GRATE = 891.53
I.E. = 888.27 (12" SW)
32 L.F. - SSPRC Class IV 12-Inch @ -0.70%

4.0 Manholes 8-FT Diameter
STA = 24+10.45 , 5.50' RT
RIM = 891.73
I.E. = 887.67 (30" W)
I.E. = 887.26 (38" E)
I.E. = 887.26 (38" S)
4.1 MANHOLES 6-FT DIAMETER - J
STA = 24+10.45 , 14.57' RT
RIM = 891.46
I.E. = 887.46 (38" N)
EXIST I.E. = 887.43 (12"S)
9 L.F. - SSPRCHE Class HE-IV 24x38-Inch @ -2.27%

MANHOLES 8-FT DIAMETER - J
STA. 26+99.16 , 7.00' RT
RIM = 890.62
I.E. = 885.67 (45" W)
I.E. = 885.25 (53" E)
I.E. = 886.08 (38" S)
8.0
8.1 MANHOLES 6-FT DIAMETER - J
STA = 26+99.16 , 33.88' RT
RIM = 890.33
I.E. = 886.37 (38" N)
I.E. = 886.54 (12" W)
EXIST I.E. = 886.47 (12"S)
27 L.F. - SSPRCHE Class HE-IV 24x38-Inch @ -1.06%

8.1 MANHOLES 6-FT DIAMETER - J
STA = 26+99.16 , 33.88' RT
RIM = 890.33
I.E. = 886.37 (38" N)
I.E. = 886.54 (12" W)
EXIST I.E. = 886.47 (12"S)
8.2 ADJUST EXISTING INLET
STA. 26+72.01 , 30.75' RT
GRATE = 890.06
I.E. = 886.81 (12" E)
27 L.F. - SSPRC Class III 12-Inch @ -1.00%

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	STORM SEWER	SHEET 38	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\STORM SEWER\020102_SS PARKING ONE SIDE.DWG
LAYOUT NAME - 022503-ss
PLOT DATE : 7/14/2020 9:35 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

N

8.0 MANHOLES 8-FT DIAMETER - J
STA. 26+99.16 , 7.00' RT

7.3 INLETS 2x3-FT - H
STA. 26+52.40 , 16.50' LT

7.4 INLETS 2x3-FT - H
STA. 26+42.40 , 16.50' LT

7.0 MANHOLES 7-FT DIAMETER - J
STA. 26+52.36 , 7.00' RT

REMOVING STORM SEWER 12-INCH

TLE

EXISTING R/W

PI: 26+52.64

REMOVING INLETS

11.0 MANHOLES 8-FT DIAMETER - J
STA. 27+90.73 , 7.00' RT

ABANDONING CULVERT PIPE 12-INCH @ RW

REMOVING STORM SEWER 12-INCH TO R/W

10.0 MANHOLES 8-FT DIAMETER - J
STA = 27+25.00 , 7.00' RT

REMOVING STORM SEWER 12-INCH

21.0 CONCRETE MASONRY ENDWALL
STA. 27+97.31 , 37.21' LT

13.0 MANHOLES 5-FT DIAMETER - J
STA = 28+25.00 , 5.50' RT

14.2 INLETS 2x3-FT - H
STA. 28+69.27 , 16.50' LT

14.0 MANHOLES 5-FT DIAMETER - J
STA = 28+69.27 , 5.50' RT

REMOVING STORM SEWER 18-INCH

REMOVING INLETS

PROPOSED WATER MAIN

REMOVING STORM SEWER 18-INCH

TLE

EXISTING R/W

26+00 27+00 28+00 29+00 30+00 31+00

CTH D/E CHURCH STREET

PROPOSED SANITARY SEWER

REMOVING STORM SEWER 15-INCH

REMOVING OLD STRUCTURE

REMOVING STORM SEWER 48-INCH

EXISTING R/W

TLE

7.2 INLETS 2x3-FT - H
STA. 26+42.35 , 16.50' RT

7.1 INLETS 2x3-FT - H
STA. 26+52.35 , 16.50' RT

8.2 ADJUST EXISTING INLET
STA. 26+72.01 , 30.75' RT

REMOVING STORM SEWER 12-INCH

N SECOND STREET

10.2 INLETS 2x3-FT - H
STA. 27+35.00 , 22.50' RT

10.1 INLETS 2x3-FT - H
STA. 27+25.00 , 22.50' RT

REMOVING MANHOLES

REMOVING STORM SEWER 12-INCH

8.1 MANHOLES 6-FT DIAMETER - J
STA = 26+99.16 , 33.88' RT

EXISTING INLET TO REMAIN

R/W

TLE

CONNECT TO EXISTING STORM SEWER

EXISTING MANHOLE TO REMAIN

12.0 MANHOLES 7-FT DIAMETER - J
STA = 28+26.91 , 25.73' RT

REMOVING MANHOLES

14.1 INLETS 2x3-FT - H
STA. 28+69.27 , 22.50' RT

REMOVING INLETS

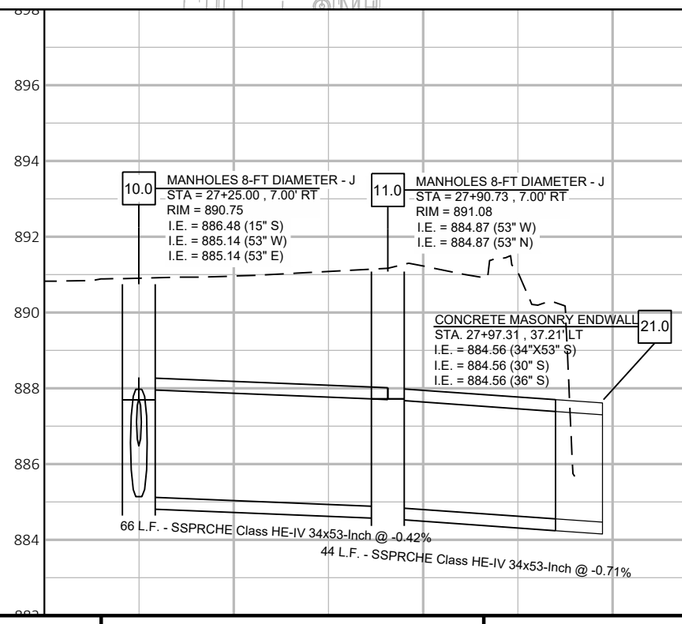
REMOVING STORM SEWER 24-INCH

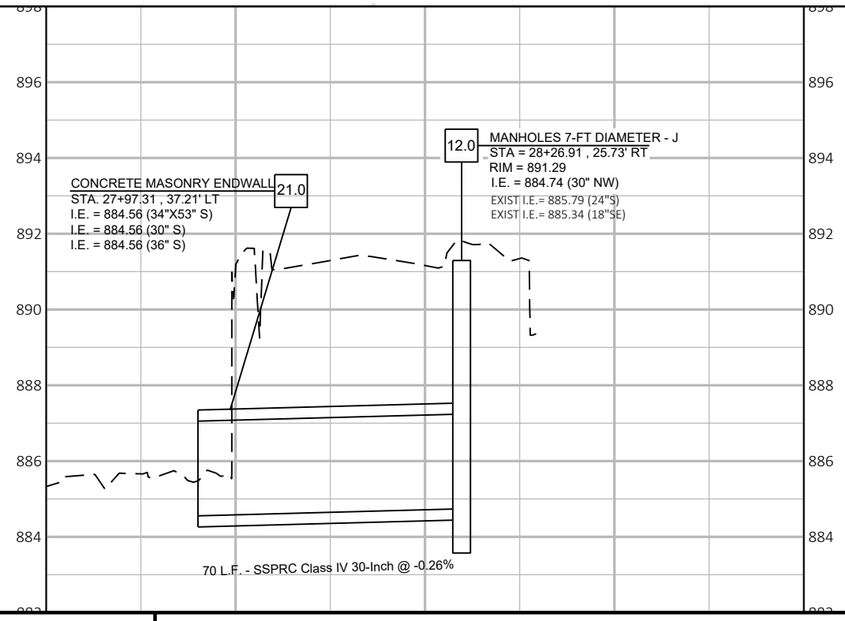
REMOVING STORM SEWER 24-INCH

EXISTING R/W

TLE

R/W





PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	STORM SEWER	SHEET 39	E

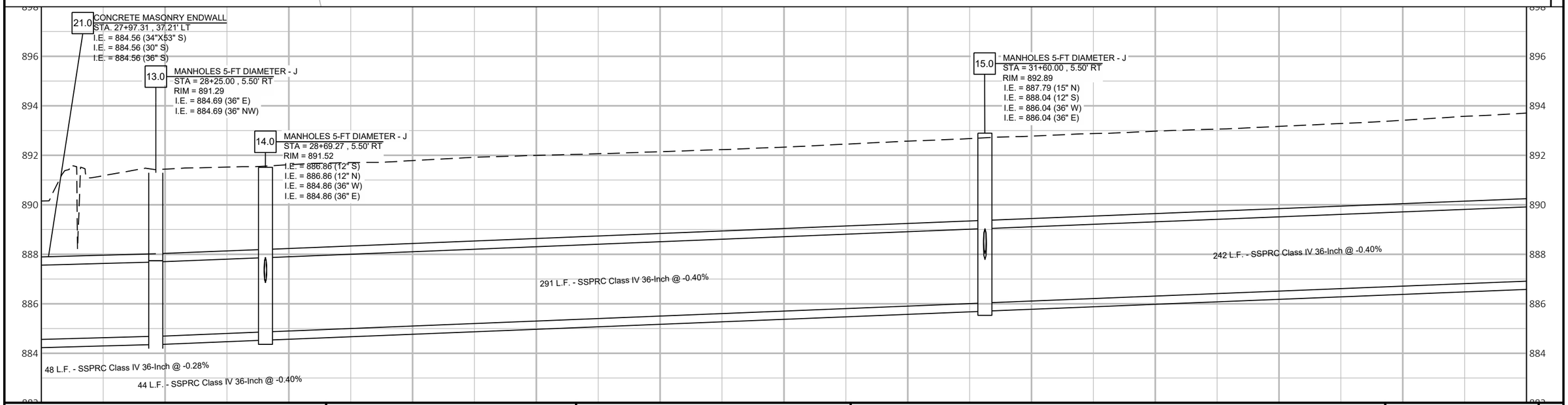
21.0 CONCRETE MASONRY ENDWALL
STA. 27+97.31 , 37.21' LT

13.0 MANHOLES 5-FT DIAMETER - J
STA = 28+25.00 , 5.50' RT

14.2 INLETS 2x3-FT - H
STA. 28+69.27 , 16.50' LT

14.0 MANHOLES 5-FT DIAMETER - J
STA = 28+69.27 , 5.50' RT

REMOVING STORM SEWER 18-INCH
REMOVING INLETS
EXISTING R/W
TLE
REMOVING STORM SEWER 18-INCH
PROPOSED WATER MAIN
INLETS 2x3-FT - H
STA. 31+60.00 , 16.50' LT
15.2
REMOVING STORM SEWER 18-INCH
REMOVING INLETS
STIENER DRIVE
15.3 INLETS 2x3-FT - H
STA. 32+35.00 , 16.50' LT
REMOVING STORM SEWER 18-INCH
REMOVING MANHOLES
TLE
EXISTING R/W
REMOVING INLETS
PROPOSED SANITARY SEWER
CTH D/E CHURCH STREET
28+00
29+00
30+00
31+00
32+00
33+00
34+00
REMOVING STORM SEWER 48-INCH
EXISTING R/W
TLE
R/W
REMOVING INLETS
REMOVING STORM SEWER 24-INCH
REMOVING STORM SEWER 24-INCH
15.0 MANHOLES 5-FT DIAMETER - J
STA = 31+60.00 , 5.50' RT
15.1 INLETS 2x3-FT - H
STA. 31+60.00 , 22.50' RT
EXISTING R/W
TLE
R/W
14.1 INLETS 2x3-FT - H
STA. 28+69.27 , 22.50' RT
CONNECT TO EXISTING STORM SEWER
EXISTING MANHOLE TO REMAIN
12.0 MANHOLES 7-FT DIAMETER - J
STA = 28+26.91 , 25.73' RT
REMOVING MANHOLES
SIGN
SIGN



PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	STORM SEWER	SHEET 40	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\STORM SEWER\020102_SS PARKING ONE SIDE.DWG
LAYOUT NAME - 022505-ss
PLOT DATE : 7/14/2020 9:36 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

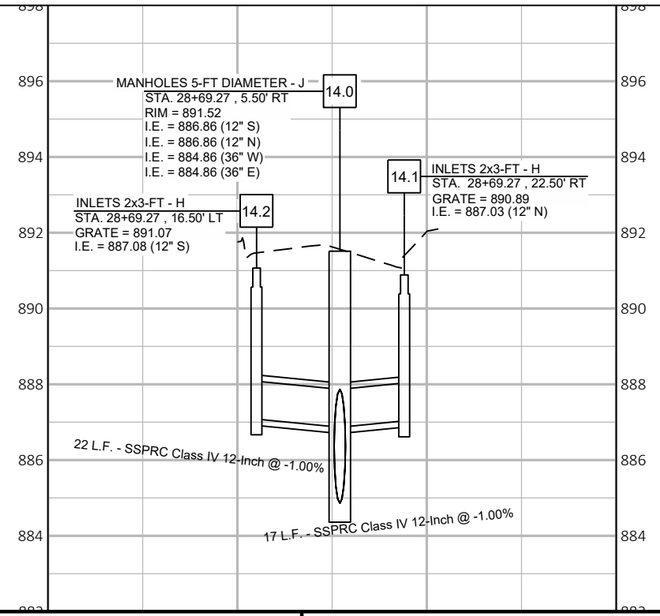
21.0 CONCRETE MASONRY ENDWALL
STA. 27+97.31 , 37.21' LT

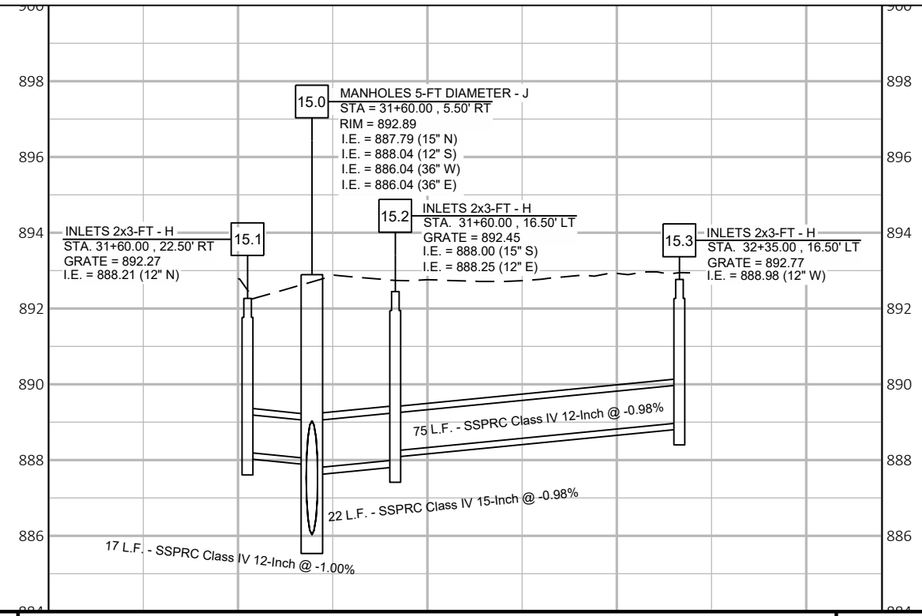
13.0 MANHOLES 5-FT DIAMETER - J
STA = 28+25.00 , 5.50' RT

14.2 INLETS 2x3-FT - H
STA. 28+69.27 , 16.50' LT

14.0 MANHOLES 5-FT DIAMETER - J
STA = 28+69.27 , 5.50' RT

REMOVING STORM SEWER 18-INCH
REMOVING INLETS
EXISTING R/W
REMOVING STORM SEWER 18-INCH
PROPOSED WATER MAIN
INLETS 2x3-FT - H
STA. 31+60.00 , 16.50' LT
15.2
REMOVING STORM SEWER 18-INCH
REMOVING INLETS
15.3 INLETS 2x3-FT - H
STA. 32+35.00 , 16.50' LT
REMOVING STORM SEWER 18-INCH
REMOVING MANHOLES
TLE
EXISTING R/W
STIENER DRIVE
N
2
2
28+00
29+00
30+00
CTH D/E CHURCH STREET
31+00
PROPOSED SANITARY SEWER
32+00
REMOVING INLETS
33+00
34+00
REMOVING STORM SEWER 48-INCH
EXISTING R/W
TLE
R/W
REMOVING INLETS
REMOVING STORM SEWER 24-INCH
REMOVING STORM SEWER 24-INCH
15.0 MANHOLES 5-FT DIAMETER - J
STA = 31+60.00 , 5.50' RT
15.1 INLETS 2x3-FT - H
STA. 31+60.00 , 22.50' RT
TLE
R/W
EXISTING R/W
14.1 INLETS 2x3-FT - H
STA. 28+69.27 , 22.50' RT
CONNECT TO EXISTING STORM SEWER
EXISTING MANHOLE TO REMAIN
12.0 MANHOLES 7-FT DIAMETER - J
STA = 28+26.91 , 25.73' RT
REMOVING MANHOLES
SIGN
SIGN





PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	STORM SEWER	SHEET 41	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\STORM SEWER\020102_SS PARKING ONE SIDE.DWG
LAYOUT NAME - 022506-ss
PLOT DATE : 7/14/2020 9:36 AM
PLOT BY : BOBBI MAXWELL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

2

N

16.0 MANHOLES 5-FT DIAMETER - J
STA = 34+01.91 , 5.50' RT

16.4 INLETS 2x3-FT- H
STA. 34+01.91 , 16.50' LT

EXISTING R/W

TLE

PROPOSED WATER MAIN

PROPOSED SANITARY SEWER

33+00

34+00

35+00

36+00

CTH D/E CHURCH STREET

37+00

38+00

39+00

17.2 INLETS 2x3-FT - H
STA. 36+75.00 , 16.50' LT

18.1 INLETS MEDIAN 1 GRATE - MS
STA. 38+39.01 , 37.52' LT

R/W

EXISTING R/W

TLE

REMOVING INLETS

R/W

EXISTING R/W

TLE

16.6 INLETS 2x3-FT - H
STA. 34+87.45 , 22.50' RT

16.5 INLETS 2.5x3-FT - F
STA. 34+75.45 , 22.50' RT

REMOVING STORM
SEWER 24-INCH

17.3 INLETS 2x3-FT - H
STA. 36+87.00 , 22.50' RT

17.0 MANHOLES 5-FT DIAMETER - J
STA = 36+75.00 , 5.50' RT

17.1 INLETS 2x3-FT - H
STA. 36+75.00 , 22.50' RT

18.0 MANHOLES 5-FT DIAMETER - J
STA = 38+39.00 , 5.50' RT

18.2 INLETS 2x3-FT - H
STA. 38+38.99 , 22.50' RT

INLETS 2x3-FT - H
STA. 33+90.00 , 22.50' RT 16.2

INLETS 2.5x3-FT - F
STA. 34+01.91 , 22.50' RT 16.1

CONC. COLLAR REQ'D
STA. 34+01.91 , 25.41' RT 16.7

REMOVING STORM
SEWER 24-INCH

EXISTING STORM SEWER
TO REMAIN

SIGN

898

896

894

892

890

888

886

16.0 MANHOLES 5-FT DIAMETER - J
STA = 34+01.91 , 5.50' RT
RIM = 893.94
I.E. = 888.51 (15" S)
I.E. = 889.01 (12" N)
I.E. = 887.01 (36" W)
I.E. = 887.01 (36" E)

MANHOLES 5-FT DIAMETER - J
STA. 36+75.00 , 5.50' RT 17.0
RIM = 895.21
I.E. = 890.11 (12" N)
I.E. = 890.11 (15" S)
I.E. = 888.61 (30" E)
I.E. = 888.11 (36" W)

MANHOLES 5-FT DIAMETER - J
STA. 38+39.00 , 5.50' RT 18.0
RIM = 896.02
I.E. = 890.76 (12" N)
I.E. = 889.26 (30" W)
I.E. = 889.26 (30" E)
I.E. = 890.76 (12" S)

273 L.F. - SSPRC Class IV 36-Inch @ -0.40%

164 L.F. - SSPRC Class IV 30-Inch @ -0.40%

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	STORM SEWER	SHEET 42	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\STORM SEWER\020102_SS PARKING ONE SIDE.DWG
LAYOUT NAME - 022507-ss

PLOT DATE : 7/14/2020 9:36 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

N

16.0 MANHOLES 5-FT DIAMETER - J
STA = 34+01.91 , 5.50' RT

16.4 INLETS 2x3-FT- H
STA. 34+01.91 , 16.50' LT

EXISTING R/W
TLE

PROPOSED WATER MAIN

17.2 INLETS 2x3-FT - H
STA. 36+75.00 , 16.50' LT

R/W
TLE
EXISTING R/W
TLE

18.1 INLETS MEDIAN 1 GRATE - MS
STA. 38+39.01 , 37.52' LT

PROPOSED SANITARY SEWER

CTH D/E CHURCH STREET

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

REMOVING INLETS

REMOVING INLETS

R/W
EXISTING R/W
TLE

16.6 INLETS 2x3-FT - H
STA. 34+87.45 , 22.50' RT

16.5 INLETS 2.5x3-FT - F
STA. 34+75.45 , 22.50' RT

REMOVING STORM
SEWER 24-INCH

REMOVING STORM
SEWER 24-INCH

17.3 INLETS 2x3-FT - H
STA. 36+87.00 , 22.50' RT

17.0 MANHOLES 5-FT DIAMETER - J
STA = 36+75.00 , 5.50' RT

17.1 INLETS 2x3-FT - H
STA. 36+75.00 , 22.50' RT

R/W
EXISTING R/W
TLE

18.0 MANHOLES 5-FT DIAMETER
STA = 38+39.00 , 5.50' RT

18.2 INLETS 2x3-FT - H
STA. 38+38.99 , 22.50' RT

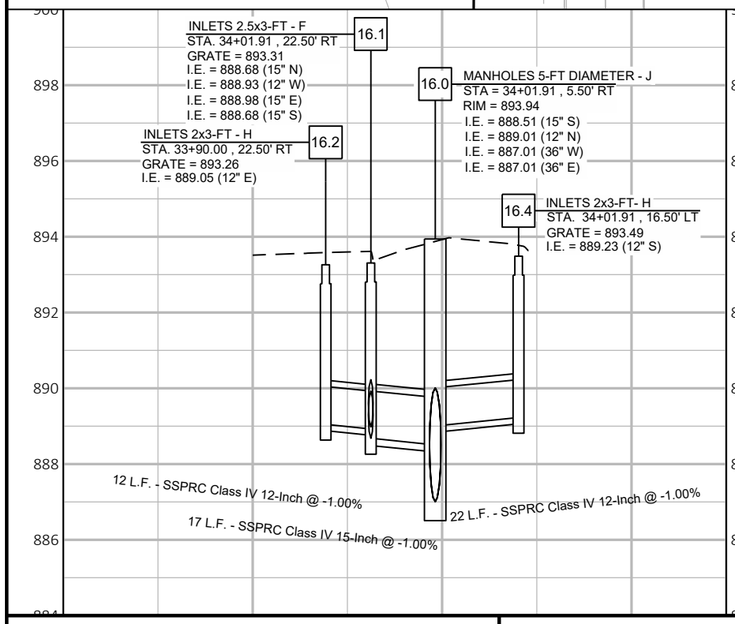
INLETS 2x3-FT - H
STA. 33+90.00 , 22.50' RT 16.2

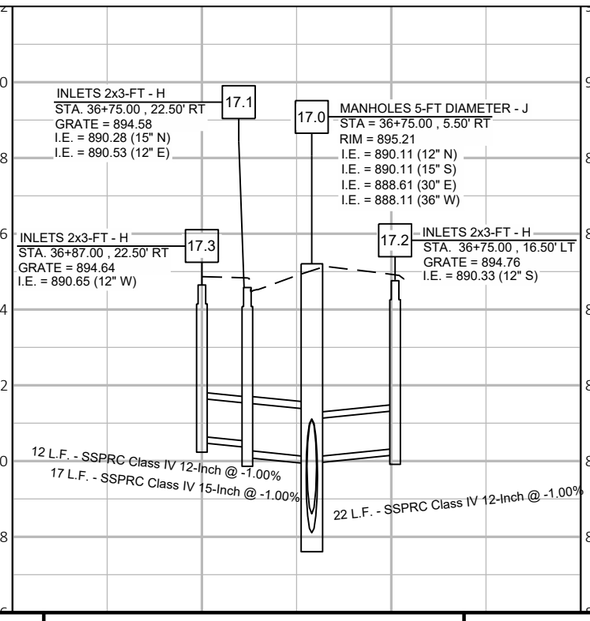
INLETS 2.5x3-FT - F
STA. 34+01.91 , 22.50' RT 16.1

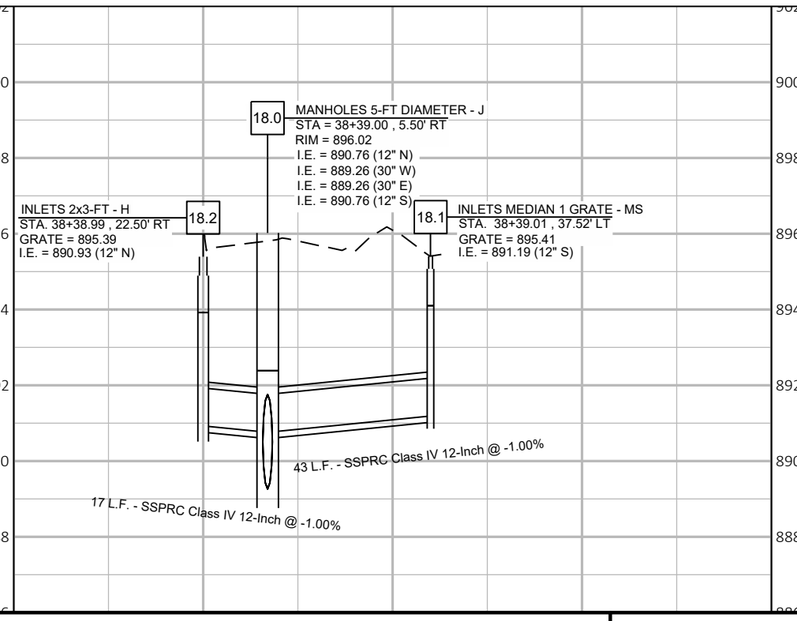
CONC. COLLAR REQ'D
STA. 34+01.91 , 25.41' RT 16.7

EXISTING STORM SEWER
TO REMAIN

SIGN







PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	STORM SEWER	SHEET 43	E

2

2

N

16.0 MANHOLES 5-FT DIAMETER - J
STA = 34+01.91 , 5.50' RT

16.4 INLETS 2x3-FT- H
STA. 34+01.91 , 16.50' LT

EXISTING R/W
TLE

PROPOSED WATER MAIN

PROPOSED SANITARY SEWER

CTH D/E CHURCH STREET

17.2 INLETS 2x3-FT - H
STA. 36+75.00 , 16.50' LT

18.1 INLETS MEDIAN 1 GRATE - MS
STA. 38+39.01 , 37.52' LT

R/W

EXISTING R/W
TLE

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

REMOVING INLETS

REMOVING STORM
SEWER 24-INCH

16.6 INLETS 2x3-FT - H
STA. 34+87.45 , 22.50' RT

16.5 INLETS 2.5x3-FT - F
STA. 34+75.45 , 22.50' RT

17.3 INLETS 2x3-FT - H
STA. 36+87.00 , 22.50' RT

17.0 MANHOLES 5-FT DIAMETER - J
STA = 36+75.00 , 5.50' RT

17.1 INLETS 2x3-FT - H
STA. 36+75.00 , 22.50' RT

18.0 MANHOLES 5-FT DIAMETER - J
STA = 38+39.00 , 5.50' RT

18.2 INLETS 2x3-FT - H
STA. 38+38.99 , 22.50' RT

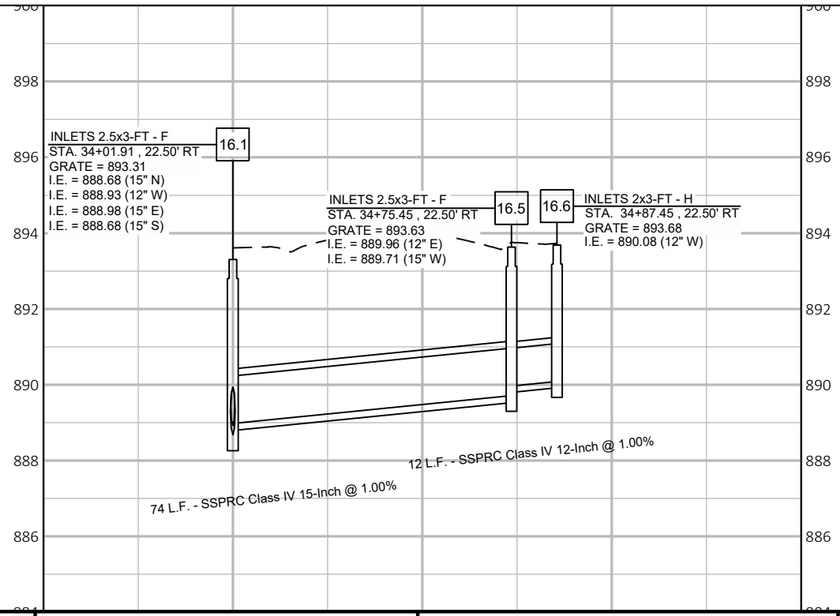
INLETS 2x3-FT - H
STA. 33+90.00 , 22.50' RT 16.2

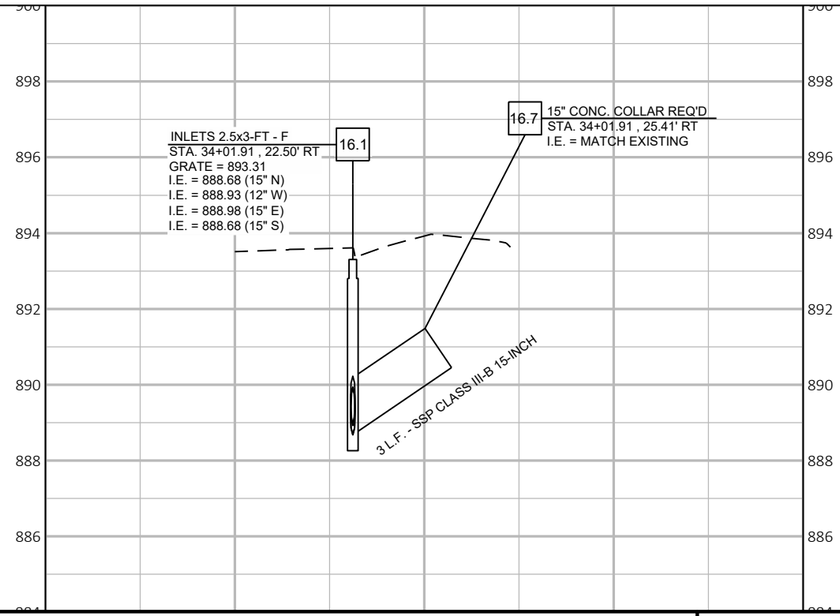
INLETS 2.5x3-FT - F
STA. 34+01.91 , 22.50' RT 16.1

CONC. COLLAR REQ'D
STA. 34+01.91 , 25.41' RT 16.7

EXISTING STORM SEWER
TO REMAIN

SIGN





PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	STORM SEWER	SHEET 44	E

2

2

N

18.1 INLETS MEDIAN 1 GRATE - MS
STA. 38+39.01 , 37.52' LT

19.2 INLETS 2x3-FT - H
STA. 39+48.56 , 16.50' LT

19.0 MANHOLES 5-FT DIAMETER - J
STA = 39+48.56 , 5.50' RT

EXISTING R/W
TLE
R/W

PROPOSED WATER MAIN
TLE

PI: 40+22.79

PI: 41+66.13

EXISTING R/W

CTH D/E CHURCH STREET

38+00 39+00 40+00 41+00 42+00 43+00

CTH D

REMOVING STORM SEWER 24-INCH

PROPOSED SANITARY SEWER

REMOVING INLETS

EXISTING R/W
TLE
R/W

REMOVING STORM SEWER 24-INCH

REMOVING STORM SEWER 24-INCH

18.0 MANHOLES 5-FT DIAMETER - J
STA = 38+39.00 , 5.50' RT

18.2 INLETS 2x3-FT - H
STA. 38+38.99 , 22.50' RT

19.1 INLETS 2.5x3-FT - F
STA. 39+48.56 , 22.50' RT

EXISTING STORM SEWER
TO REMAIN

19.3 INLETS 2.5x3-FT - F
STA. 39+36.56 , 22.50' RT

19.4 INLETS 2x3-FT - H
STA. 39+26.56 , 22.50' RT

N SCHOOL STREET

EXISTING R/W

R/W

TLE

20.0 AEW CPRC 24-Inch
STA. 40+75.00 , 39.25' RT

18.0 MANHOLES 5-FT DIAMETER - J
STA = 38+39.00 , 5.50' RT
RIM = 896.02
I.E. = 890.76 (12" N)
I.E. = 889.26 (30" W)
I.E. = 889.26 (30" E)
I.E. = 890.76 (12" S)

MANHOLES 5-FT DIAMETER - J 19.0
STA. 39+48.56 , 5.50' RT
RIM = 896.52
I.E. = 890.20 (24" S)
I.E. = 891.21 (12" N)
I.E. = 889.70 (30" W)
I.E. = 890.20 (24" E)

110 L.F. - SSPRC Class IV 30-Inch @ -0.41%

19.0 MANHOLES 5-FT DIAMETER - J
STA = 39+48.56 , 5.50' RT
RIM = 896.52
I.E. = 890.20 (24" S)
I.E. = 891.21 (12" N)
I.E. = 889.70 (30" W)
I.E. = 890.20 (24" E)

AEW'S FOR CPRC 24-INCH 20.0
STA. 40+75.00 , 39.25' RT
I.E. = 893.66 (24" W)

131 L.F. - SSPRC CLASS IV 24-INCH @ -2.63%

INLETS 2.5x3-FT - F 19.1
STA. 39+48.56 , 22.50' RT
GRATE = 895.89
I.E. = 890.38 (24" N)
I.E. = 891.12 (15" W)
EXIST. I.E. = 891.68 (8" PVC S)

19.0 MANHOLES 5-FT DIAMETER - J
STA = 39+48.56 , 5.50' RT
RIM = 896.52
I.E. = 890.20 (24" S)
I.E. = 891.21 (12" N)
I.E. = 889.70 (30" W)
I.E. = 890.20 (24" E)

INLETS 2.5x3-FT - F 19.3
STA. 39+36.56 , 22.50' RT
GRATE = 895.85
I.E. = 891.50 (12" W)
I.E. = 891.24 (15" E)

INLETS 2x3-FT - H 19.4
STA. 39+26.56 , 22.50' RT
GRATE = 895.82
I.E. = 891.60 (12" E)

19.2 INLETS 2x3-FT - H
STA. 39+48.56 , 16.50' LT
GRATE = 896.07
I.E. = 891.43 (12" S)

10 L.F. - SSPRC Class IV 12-Inch @ 1.00%
12 L.F. - SSPRC Class IV 15-Inch @ 1.00%
17 L.F. - SSPRC Class IV 24-Inch @ -1.00%
22 L.F. - SSPRC Class IV 12-Inch @ -1.00%

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	STORM SEWER	SHEET 45	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\STORM SEWER\020102_SS PARKING ONE SIDE.DWG
LAYOUT NAME - 022510-ss

PLOT DATE : 7/14/2020 9:36 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

N

EXISTING LOCATION OF CONTAMINATED SOIL AND GROUND WATER

BP: 2+00.00

1.1 INLETS 2x3-FT - H
STA. 2+60.00 , 19.50' LT

REMOVING INLETS

TLE

EXISTING R/W

PROPOSED SANITARY SEWER

3+00

4+00

CTH Y/N MAIN STREET

REMOVING STORM SEWER 12-INCH

PROPOSED WATER MAIN

REMOVING INLETS

CONNECT TO EXISTING STORM SEWER

INLETS 2x3-FT - H
STA. 2+67.00 , 19.50' RT
1.0

ADJUSTING MANHOLE COVERS

EXISTING R/W

TLE

INLETS 2x3-FT - H
STA. 3+88.47 , 19.50' RT
1.4

PLE

1.2 INLETS 2x3-FT - H
STA. 3+16.93 , 19.50' RT

TLE

1.3 INLETS MEDIAN 1 GRATE - MS
STA. 3+12.63 , 32.50' RT

REMOVING INLETS

EXISTING R/W

CTH D/E CHURCH STREET

W CHURCH STREET

0+00

11+00

22+00

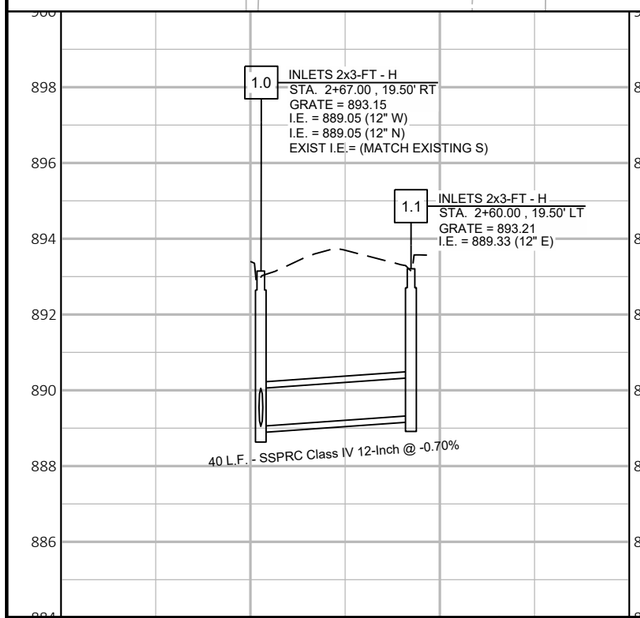
EXISTING R/W

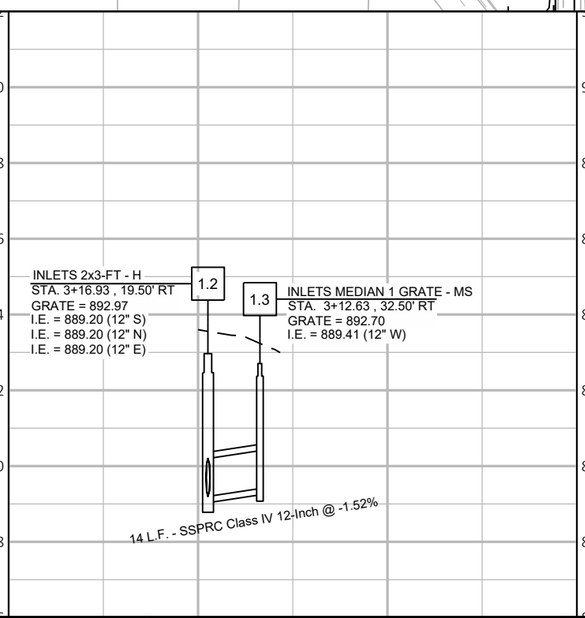
EP: 5+54.90

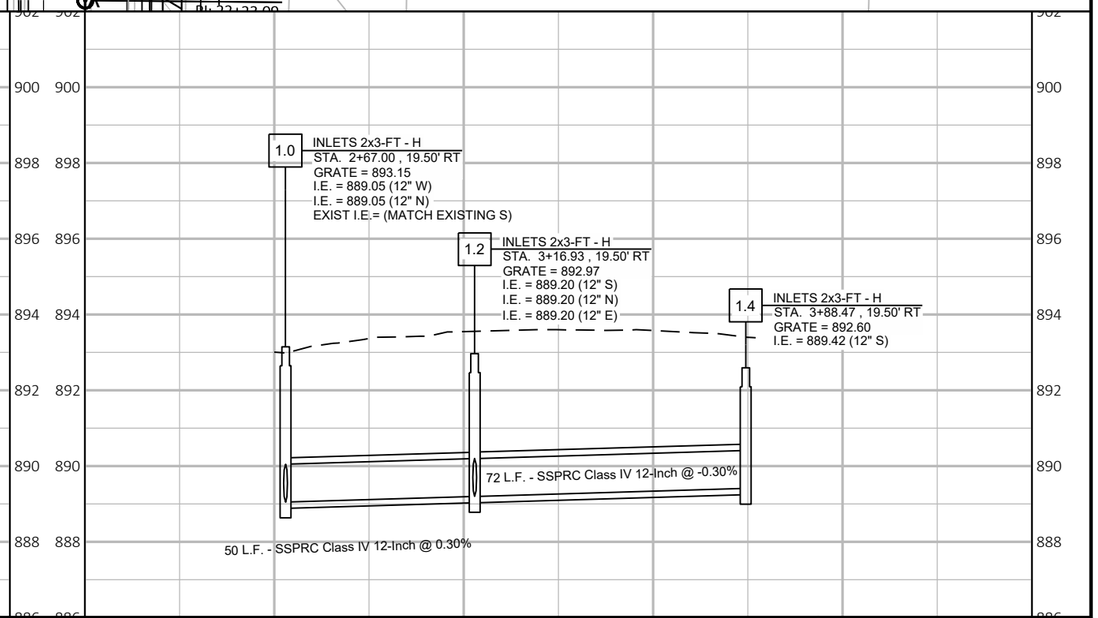
CTH Y/N MAIN STREET

5+00

EXISTING R/W







PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	STORM SEWER	SHEET 46	E

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

EX. 15" PVC SANITARY SEWER (INSTALLED IN 2019)
EX. 10" PVC W.M. (INSTALLED IN 2019)
EXISTING R/W
30'/00'
S.I.
CTH Y / N MAIN STREET
5+00
EX. 8" PVC W.M. (INSTALLED IN 2019)
ABANDON SAN. SEWER EAST OF MH (INC.)
CONNECT TO EX. SAN. SEWER STUB (INSTALLED IN 2019)
STA 21+15.6 @ 2.5' LT
I.E. = 877.36 (15")
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
EX. 12" PVC W.M. (INSTALLED IN 2019)
TLE
S.I.
EXISTING R/W
PI: 22+23.09
SAN. SEWER DROP MH (48 IN)
STA = 23+97.51 @ 1.00' LT
2
CONNECT TO EX. 8" GATE VALVE
STA = 23+87.0 @ 8.0' LT
T/P = 885.87 (8")
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
EX. 12" PVC W.M. (INSTALLED IN 2019)
26'/00'
W CHURCH STREET
19+00
20+00
21+00
22+00
282 L.F. - 15 IN. PVC SAN SEWER @ 0.18%
23+00
24+00
CTH D / E CHURCH STREET
MATCH LINE 24+50.00
N
CONNECT TO EX. 8" SAN. SEWER
STA 19+10.0 @ 3.6' LT
I.E. = 883.7± (8")
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
10
SAN. SEWER MH (48 IN)
STA = 19+53.29 @ 3.67' LT
43 L.F. - 8 IN. PVC SAN SEWER @ -1.94%
S.I.
TLE
CONNECT TO EX. SAN. SEWER AT MANHOLE (INSTALLED IN 2019)
STA 20+89.5 @ 2.5' LT
I.E. = 877.24 (15")
ABANDON WEST INVERT (INCIDENTAL TO REMOVE EXISTING SANITARY STRUCTURE BID ITEM)
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
136 L.F. - 15 IN. PVC SAN SEWER @ 0.28%
CTH Y / N MAIN STREET
4+00
EX. 8" PVC W.M. (INSTALLED IN 2019)
S.I.
TLE
CONNECT TO EX. 8"X6" CROSS
STA = 21+08.4 @ 47.4' RT
T/P = 886.06 (8")
CAP WEST END OF CROSS
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
99 L.F. - 8" W.M. @ 0.06%
39 L.F. - 8" W.M. @ 0.00%
8" X 6" TEE
STA = 23+86.1 @ 31.3' RT
T/P = 885.87 (8")
1 HYDRANT
STA 23+76.8 @ 31.3' RT
FIN. GRND. @ HYD. = 892.2±
T/P @ TEE = 885.80 (6")
1 - 6" GATE VALVE & BOX
9 L.F. - 6" W.M.
3 L.F. - 8" W.M.
STA 23+86.1 @ 34.3' RT
CONNECT TO EX. 8" W.M.
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
28 L.F. - 8 IN. PVC SAN SEWER @ 0.40%
N FIRST STREET
CONNECT TO EX. SAN. SEWER
STA 23+97.1 @ 26.5' RT
I.E. = 884.1± (8")
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION

FINISHED REF. LINE PROFILE
EXISTING REF. LINE PROFILE
10
STA = 19+53.29 @ -3.7' LT
RIM = 892.19
I.E. = 884.52(W)
43 L.F. - 8 IN. PVC @-1.94%
EX. 8 IN. VCP SAN SWR.
10 IN. PVC W.M. (INSTALLED IN 2019)
CONNECT TO EX. 8" SAN. SEWER
STA 19+10.0 @ -3.6' LT
I.E. = 883.7± (8")
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
EX. 6 IN. D.I. W.M.
EX. 8 IN. D.I. W.M.
12 IN. PVC W.M. (INSTALLED IN 2019)
PROP. STORM SEWER
2
STA = 23+97.51 @ -1.0' LT
RIM = 891.94
I.E. = 877.88(W)
I.E. = 877.98(E)
I.E. = 884.00(S)
EX. 6 IN. D.I. W.M.
CONNECT TO EX. SAN. SEWER STUB (INSTALLED IN 2019)
STA 21+15.60 @ 2.5' LT
I.E. = 887.36 (15")
CONTRACTOR TO FIELD VERIFY LOCATION & ELEVATION
EX. 8 IN. VCP SAN SWR.
282 L.F. - 15 IN. PVC @0.18%
15 IN. PVC SAN SWR. (INSTALLED IN 2019)

| | | |

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

MATCH LINE 24+50.00

MATCH LINE 30+50.00

EX. 12" PVC W.M. (INSTALLED IN 2019)

PI: 26+52.64

CONNECT TO EX. 12" GATE VALVE
STA = 26+84.0 @ 11.0' LT
T/P = 884.61 (12")

3 SAN. SEWER MH (48 IN)
STA = 26+90.11 @ 1.00' LT

VERTICAL DEFLECTION
STA = 28+00.0 @ 11.0' LT

4 SAN. SEWER MH (48 IN)
STA = 29+50.00 @ 1.00' LT

EXISTING R/W

TLE

S.I.

25'/00'

25'/15'

25+00 293 L.F. - 15 IN. PVC SAN SEWER @ 0.15% 26+00 27+00 28+00 29+00 30+00

116 L.F. - 12" W.M. @ -1.82%

260 L.F. - 15 IN. PVC SAN SEWER @ 0.15%

413 L.F. - 12" W.M. @ 0.48%

CTH D / E CHURCH STREET

R/W

TLE

EX. 10" PVC W.M. (INSTALLED IN 2019)

N SECOND STREET

29 L.F. - 15 IN. PVC SAN SEWER @ 1.33%

11 SAN. SEWER MH (48 IN)
STA = 26+89.49 @ 27.57' RT
I.E. = 880.80(N)
I.E. = 882.65(S)

CONNECT TO EX. SAN. SEWER
STA 26+89.4 @ 30.4' RT
I.E. = 882.7± (8")
CONTRACTOR TO FIELD VERIFY
LOCATION & ELEVATION

N

EXISTING REF. LINE PROFILE

FINISHED REF. LINE PROFILE

3
STA = 26+90.11 @ -1.0' LT
RIM = 890.76
I.E. = 878.42(W)
I.E. = 878.52(E)
I.E. = 880.42(S)

4
STA = 29+50.00 @ -1.0' LT
RIM = 892.05
I.E. = 878.92(W)
I.E. = 879.02(E)

PROP. STORM SEWER

EX. 6 IN. D.I. W.M.

12 IN. PVC W.M. (INSTALLED IN 2019)

EX. 8 IN. VCP SAN SWR.

116 L.F. - 12" W.M. @ -1.82%

413 L.F. - 12" W.M. @ 0.48%

CONNECT TO EX. 12" GATE VALVE
STA = 26+84.0 @ -11.0' LT
T/P = 884.61 (12")
CONTRACTOR TO FIELD VERIFY
LOCATION & ELEVATION

VERTICAL DEFLECTION
STA = 28+00.0 @ -11.0' LT
T/P = 882.50 (12")

293 L.F. - 15 IN. PVC @ 0.15%

260 L.F. - 15 IN. PVC @ 0.15%

892 890 888 886 884 882 880 878 877

24	25	25	26	26	27	27	28	28	29	29	30	30
892.04	891.55	891.87	891.41	891.69	891.27	891.49	891.13	891.29	891.00	891.15	890.86	891.04	890.75	890.95	890.71	890.93	890.74	890.96	890.83	891.01	890.96	891.08	891.08	891.19	891.21	891.33	891.33	891.46	891.46	891.59	891.58	891.70	891.71	891.83	891.83	891.88	891.96	892.02	892.08	892.09	892.21	892.17	892.34	892.28	892.46

25+00 25+50 26+00 26+50 27+00 27+50 28+00 28+50 29+00 29+50 30+00

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	SANITARY SEWER AND WATER MAIN PLAN	SHEET 48 E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\SANITARY & WATER\020101_SAN&WAT PARKING ONE SIDE.DWG
LAYOUT NAME - 2

PLOT DATE : 7/15/2020 8:27 AM PLOT BY : NATE REGO PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

1 12" GATE VALVE & BOX
STA 32+15.6 @ 11.0' LT
2 8" GATE VALVE & BOX
STA 32+12.6 @ 14.0' LT

8" X 6" REDUCER
STA = 32+12.6 @ 41.0' LT
CONNECT TO EX. 6" W.M.
CONTRACTOR TO FIELD VERIFY
LOCATION & ELEVATION
3 L.F. - 8" W.M. @ 0.00% (TEE - RED.)
8" X 6" TEE
STA = 32+12.6 @ 38.0' LT
T/P = 885.53 (8")
HYDRANT
STA 32+22.2 @ 38.0' LT
FIN. GRND. @ HYD. = 893.0±
T/P @ TEE = 885.45 (6")
1 - 6" GATE VALVE & BOX
9 L.F. - 6" W.M.

HYDRANT
STA 36+34.0 @ -19.5' LT
FIN. GRND. @ HYD. = 895.0±
T/P @ TEE = 887.55 (6")
1 - 6" GATE VALVE & BOX
9 L.F. - 6" W.M.

N

STEINER DRIVE

CONNECT TO EX. SAN. SEWER
STA 31+90.1 @ 41.0' LT
I.E. = 886.1± (8")
CONTRACTOR TO FIELD VERIFY
LOCATION & ELEVATION

40 L.F. - 8 IN. PVC SAN SEWER @ 0.50%

27 L.F. - 8" W.M. @ 4.43%

12"X6" TEE
STA = 36+34.0 @ 11.0' LT

TLE
EXISTING R/W
S.I.
25'/15'
00'/15'

31+00
239 L.F. - 15 IN. PVC SAN SEWER @ 0.15%
32+00
33+00
311 L.F. - 15 IN. PVC SAN SEWER @ 0.15%
34+00
423 L.F. - 12" W.M. @ 0.78%
35+00
300 L.F. - 15 IN. PVC SAN SEWER @ 0.15%
36+00

12"X8"TEE
STA = 32+12.6 @ 11.0' LT

CTH D / E CHURCH STREET

6 SAN. SEWER MH (48 IN)
STA = 35+00.00 @ 1.00' LT

12" GATE VALVE & BOX
STA 36+37.0 @ 11.0' LT

5 SAN. SEWER DROP MH (48 IN)
STA = 31+89.29 @ 1.00' LT

R/W
S.I.
TLE
33'/00'

MATCH LINE
30+50.00

MATCH LINE
36+50.00

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

FINISHED REF.
LINE PROFILE
EXISTING REF.
LINE PROFILE

5
STA = 31+89.29 @ -1.0' LT
RIM = 893.15
I.E. = 879.38(W)
I.E. = 879.48(E)
I.E. = 885.88(N)

6
STA = 35+00.00 @ -1.0' LT
RIM = 894.50
I.E. = 879.95(W)
I.E. = 880.05(E)

PROP. STORM SEWER
EX. 8 IN. VCP SAN SWR.
EX. 6 IN. D.I. W.M.

12"X8"TEE
STA = 32+12.6 @ -11.0' LT
T/P = 884.50 (12")

423 L.F. - 12" W.M. @ 0.78%

12"X6" TEE
STA = 36+34.0 @ -11.0' LT
T/P = 887.80 (12")

239 L.F. - 15 IN. PVC @ 0.15%
311 L.F. - 15 IN. PVC @ 0.15%
300 L.F. - 15 IN. PVC @ 0.15%

894 892 890 888 886 884 882 880 878

30 31 31+50 32 32+50 33 33+50 34 34+50 35 35+50 36 36+00

892.49 892.69 892.60 892.80 892.72 892.91 892.83 893.01 892.93 893.12 893.04 893.23 893.15 893.34 893.24 893.45 893.33 893.55 893.44 893.66 893.56 893.77 893.68 893.88 893.81 893.99 893.94 894.10 894.06 894.20 894.19 894.31 894.26 894.42 894.36 894.53 894.48 894.64 894.58 894.76 894.66 894.88 894.76 895.00 894.87 895.13

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

7 SAN. SEWER MH (48 IN)
STA = 38+00.00 @ 1.00' LT

387 L.F. - 12" W.M. @ 0.45%

296 L.F. - 15 IN. PVC SAN SEWER @ 0.15%

104 L.F. - 12" W.M. @ 0.44%

HYDRANT
STA 41+27.0 @ 30.5' LT
FIN. GRND. @ HYD. = 897.0±
T/P @ TEE = 889.75 (6")
1 - 6" GATE VALVE & BOX
20 L.F. - 6" W.M.

12" GATE VALVE & BOX
STA 41+24.0 @ 11.0' LT

HORIZONTAL DEFLECTION
STA = 40+23.0 @ 11.0' LT

PI: 40+22.79

12"X6" TEE
STA = 41+27.0 @ 11.0' LT

5 L.F. - 12" W.M. @ 0.00%
INSTALL 12" CAP AT END OF W.M.
STA 41+32 @ -11.0' LT
T/P = 890.00 (12")

PI: 41+66.13

INSTALL 15" CAP AT END OF SAN. SEWER
STA 41+01.50 @ 1.0' LT
I.E. = 881.16 (15")

5 L.F. - 15 IN. PVC SAN SEWER @ 0.15%

8 SAN. SEWER MH (48 IN)
STA = 40+96.50 @ 1.00' LT

CTH D / E CHURCH STREET

N SCHOOL STREET

MATCH LINE 36+50.00

MATCH LINE 42+50.00

FINISHED REF. LINE PROFILE

EXISTING REF. LINE PROFILE

7 STA = 38+00.00 @ -1.0' LT
RIM = 895.96
I.E. = 880.50(W)
I.E. = 880.60(E)

8 STA = 40+96.50 @ -1.0' LT
RIM = 897.15
I.E. = 881.05(W)
I.E. = 881.15(E)

PROP. STORM SEWER

EX. 6 IN. D.I. W.M.

EX. 8 IN. VCP SAN SWR

387 L.F. - 12" W.M. @ 0.45%

104 L.F. - 12" W.M. @ 0.44%

HORIZONTAL DEFLECTION
STA = 40+23.0 @ -11.0' LT
T/P = 889.54 (12")

12"X6" TEE
STA = 41+27.0 @ -11.0' LT
T/P = 890.00 (12")

5 L.F. - 12" W.M. @ 0.00%

INSTALL 12" CAP AT END OF W.M.
STA 41+32 @ -11.0' LT
T/P = 890.00 (12")

5 L.F. - 15 IN. PVC @0.15%

296 L.F. - 15 IN. PVC @ 0.15%

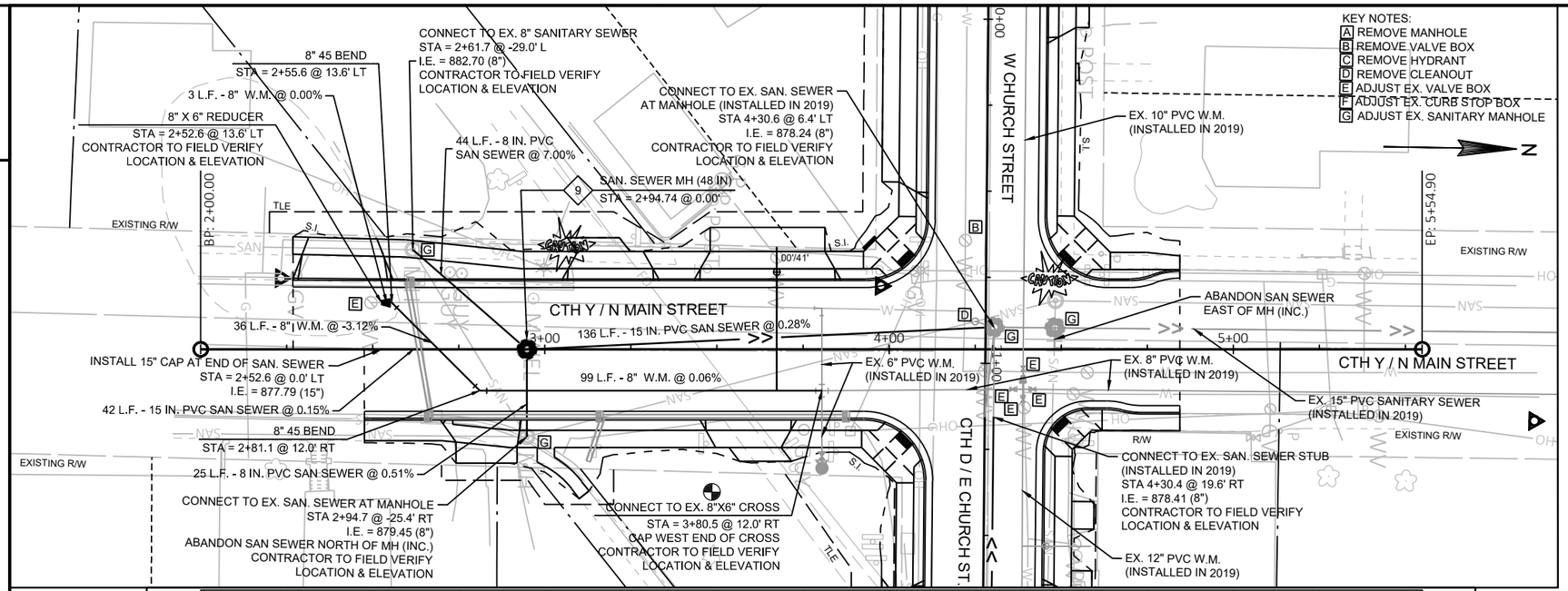
INSTALL 15" CAP AT END OF SAN. SEWER
STA 41+01.5 @ 1.0' LT
I.E. = 881.16 (15")

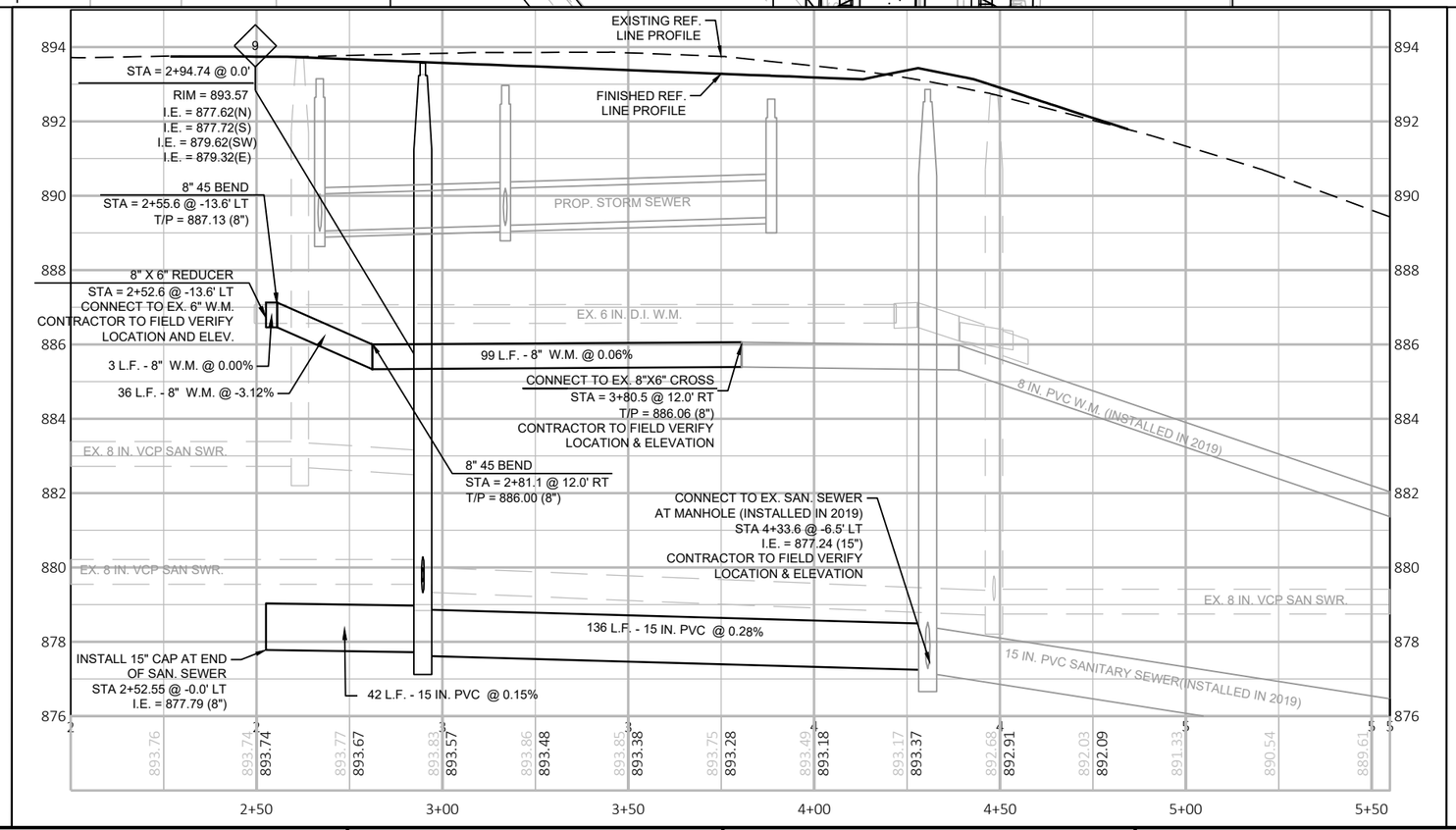
37+00	37+50	38+00	38+50	39+00
895.12 / 895.37	895.22 / 895.50	895.32 / 895.62	895.41 / 895.74	895.50 / 895.86

39+50	40+00	40+50	41+00	41+50	42+00
895.63 / 895.99	895.77 / 896.11	895.93 / 896.23	896.09 / 896.36	896.23 / 896.48	896.37 / 896.60
896.50 / 896.69	896.59 / 896.77	896.72 / 896.85	896.84 / 896.93	896.96 / 897.01	897.06 / 897.10
897.15 / 897.18	897.23 / 897.26	897.33 / 897.34	897.43 / 897.43	897.54 / 897.53	897.66 / 897.62

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	SANITARY SEWER AND WATER MAIN PLAN	SHEET 50	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\SANITARY & WATER\020101_SAN&WAT PARKING ONE SIDE.DWG
LAYOUT NAME - 4
PLOT DATE : 7/15/2020 8:28 AM
PLOT BY : NATE REGO
PLOT NAME :
PLOT SCALE : 1 IN:40 FT





GENERAL SANITARY SEWER AND WATER MAIN CONSTRUCTION NOTES:

1. 28'/00' - THIS TEXT DENOTES "PROPOSED INSTALLED LENGTH OF SANITARY LATERAL / PROPOSED INSTALLED LENGTH OF WATER SERVICE LATERAL"

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

3. THE PIPE SIZE OF THE VARIOUS EXISTING BUILDING WATER SERVICES IS UNKNOWN AT THIS TIME. ALL NEW WATER SERVICES SHALL BE A MINIMUM OF 1-INCH NOMINAL DIAMETER AND SHALL BE LARGER IF REQUIRED TO MATCH THE SIZE OF THE EXISTING PIPE SIZE. ANY SIZE SERVICE BETWEEN 1" AND 2" NOMINAL DIAMETER SHALL BE PAID ACCORDING TO THE SAME GENERIC BID ITEM FOR WATER SERVICE CORPORATION/CURB STOP/BOX AND WATER SERVICE LATERAL REPLACEMENT AND NO DIFFERENTIATION SHALL BE MADE FOR PIPE SIZE. NEW WATER SERVICE LATERAL PIPE MATERIAL SHALL BE HIGH DENSITY POLYETHYLENE (HDPE).

4. A 7 FEET DEPTH OF COVER OVER ALL NEWLY INSTALLED WATER MAINS AND SERVICES IS DESIRED FOR THIS PROJECT. THE CONTRACTOR SHALL MAINTAIN A MINIMUM DEPTH OF COVER OF 5.0 FEET UNLESS DIRECTED OTHERWISE BY THE VILLAGE. IF THE NEWLY INSTALLED WATER SERVICE OR MAIN IS INSTALLED WITH COVER LESS THAN 7 FEET, THE CONTRACTOR SHALL INSULATE THE WATER PIPING ACCORDING TO THE INSULATION DETAIL AND PROJECT SPECIFICATIONS (INSULATION SHALL BE INCIDENTAL TO THE WATERMAIN CONSTRUCTION). THE DEPTH OF COVER SHALL BE BASED ON FINISHED GROUND ELEVATIONS. INSULATION SHALL ALSO BE INSTALLED AT ALL LOCATIONS WHERE STORM SEWER CROSSES THE WATER MAIN (INCIDENTAL). MINIMUM VERTICAL SEPARATION DISTANCE WHERE WATERMAIN CROSSES OVER SEWERS IS 6 INCHES. MINIMUM VERTICAL SEPARATION DISTANCE WHERE WATERMAIN CROSSES UNDER SEWERS IS 18 INCHES. DISTANCE WHERE WATER MAIN CROSSES UNDER SEWERS IS 18 INCHES. UNLESS PROHIBITED BY FIELD CONDITIONS, THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAIN AND SEWER MAIN PIPING SHALL BE 5 FEET.

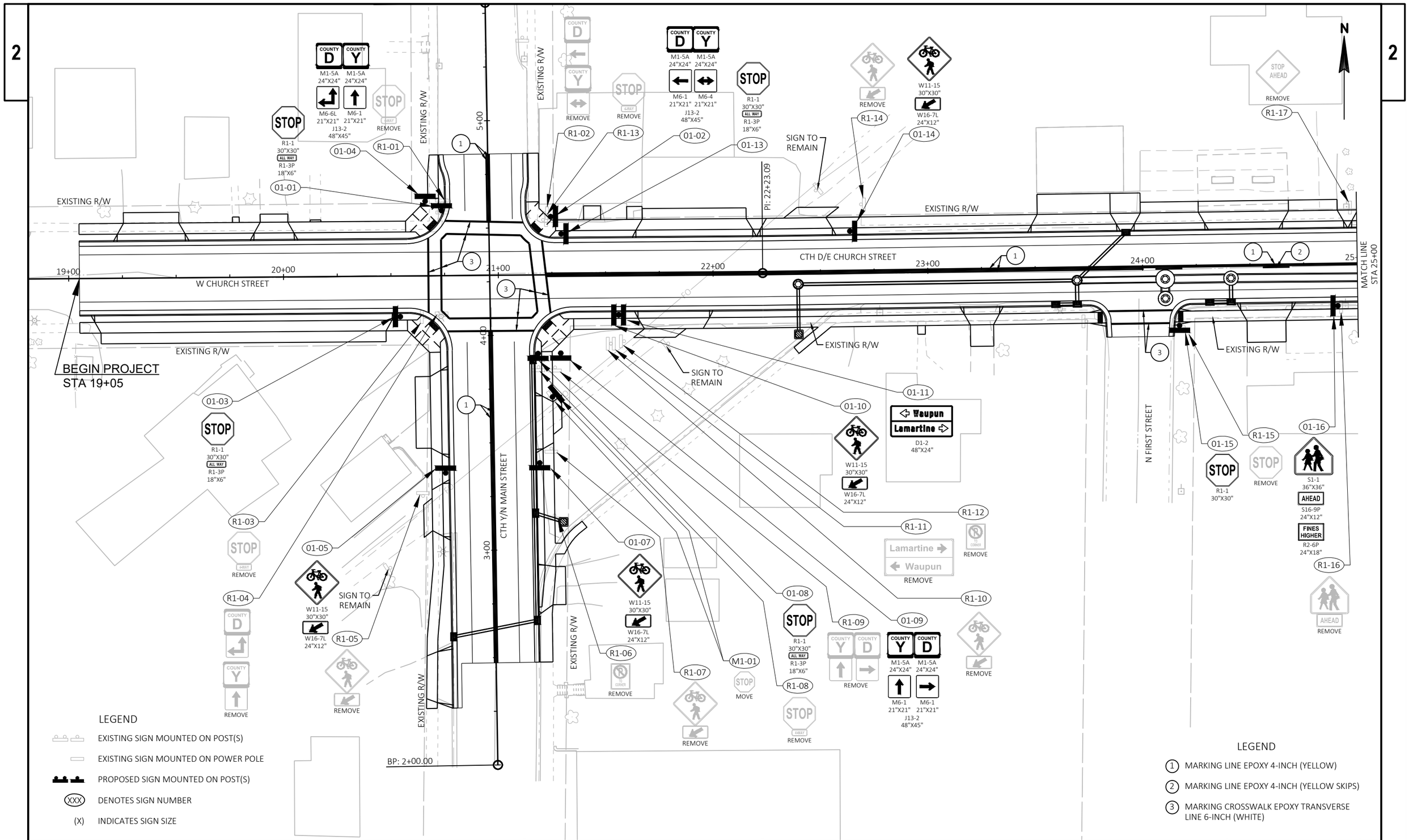
5. FINAL ELEVATIONS OF THE WATERMAIN WILL BE DETERMINED DURING CONSTRUCTION BY THE FIELD ENGINEER AND/OR VILLAGE STAFF.

6. 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.

7. 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.

8. 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.

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



LEGEND

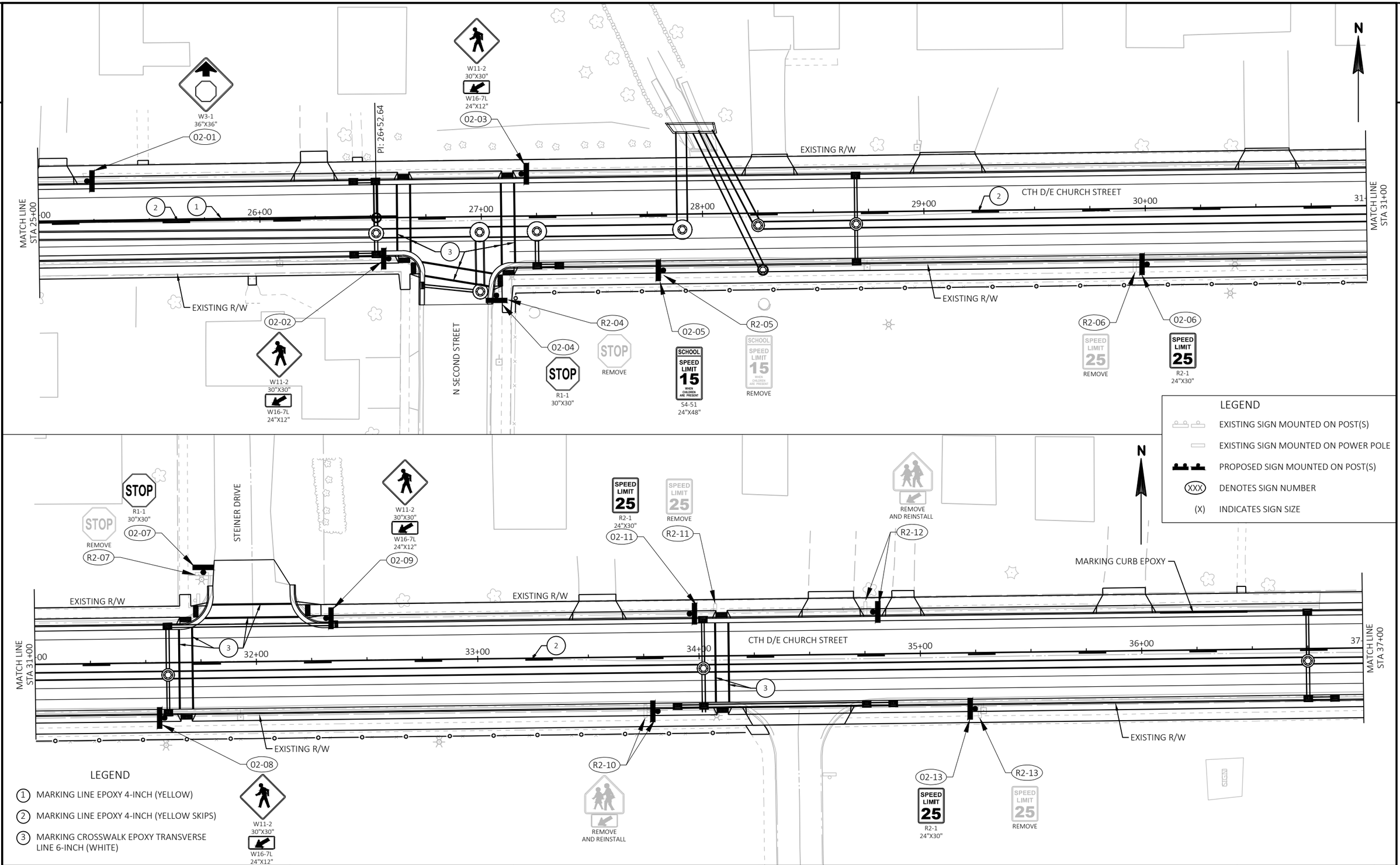
- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POWER POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW SKIPS)
3. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 52	E

2



PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 53	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023202-ps
PLOT DATE : 7/13/2020 3:56 PM
PLOT BY : BOBBI MAXWELL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON POWER POLE

PROPOSED SIGN MOUNTED ON POST(S)

XXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

LEGEND

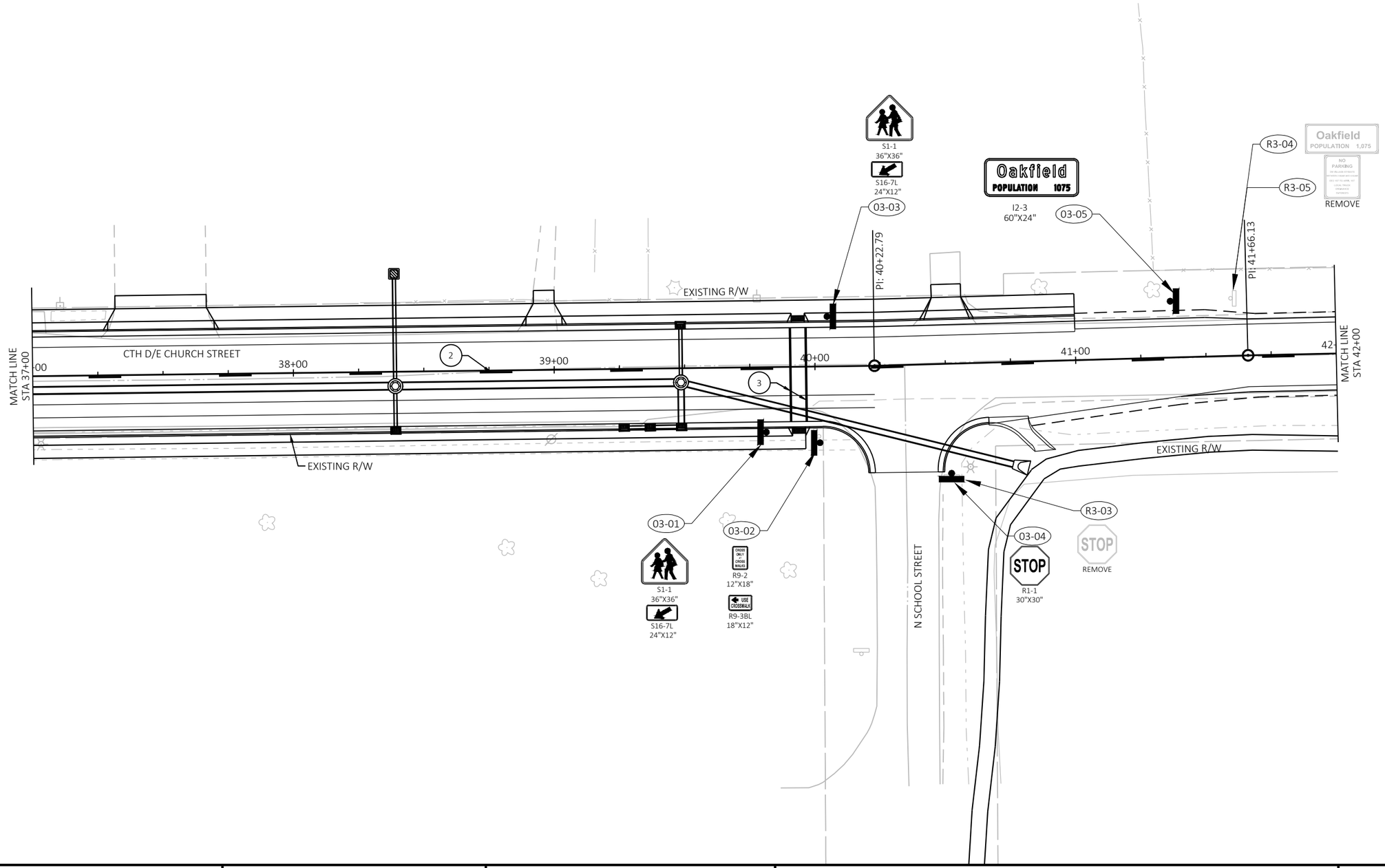
1 MARKING LINE EPOXY 4-INCH (YELLOW)

2 MARKING LINE EPOXY 4-INCH (YELLOW SKIPS)

3 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

N

2



PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 54	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023203-ps

PLOT DATE : 7/13/2020 3:56 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

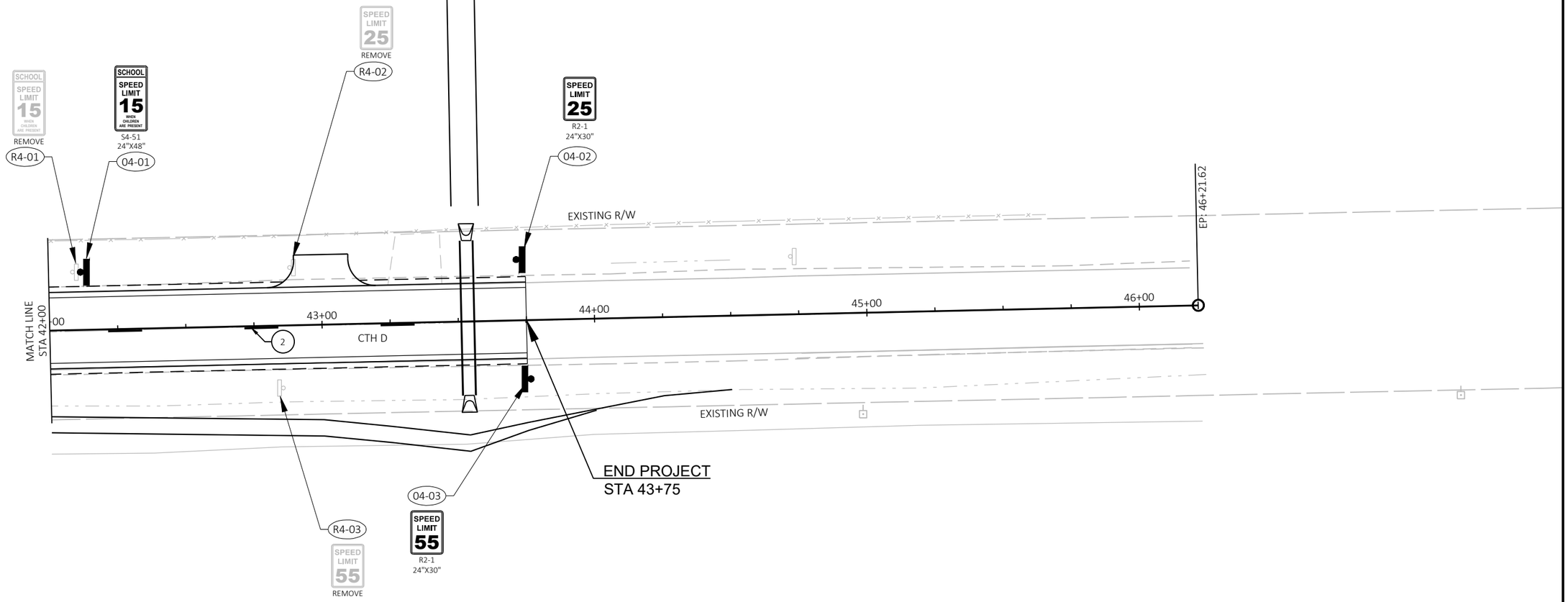
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON POWER POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

LEGEND

1. MARKING LINE EPOXY 4-INCH (YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW SKIPS)
3. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

N



PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 55	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023204-ps

PLOT DATE : 7/13/2020 3:56 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

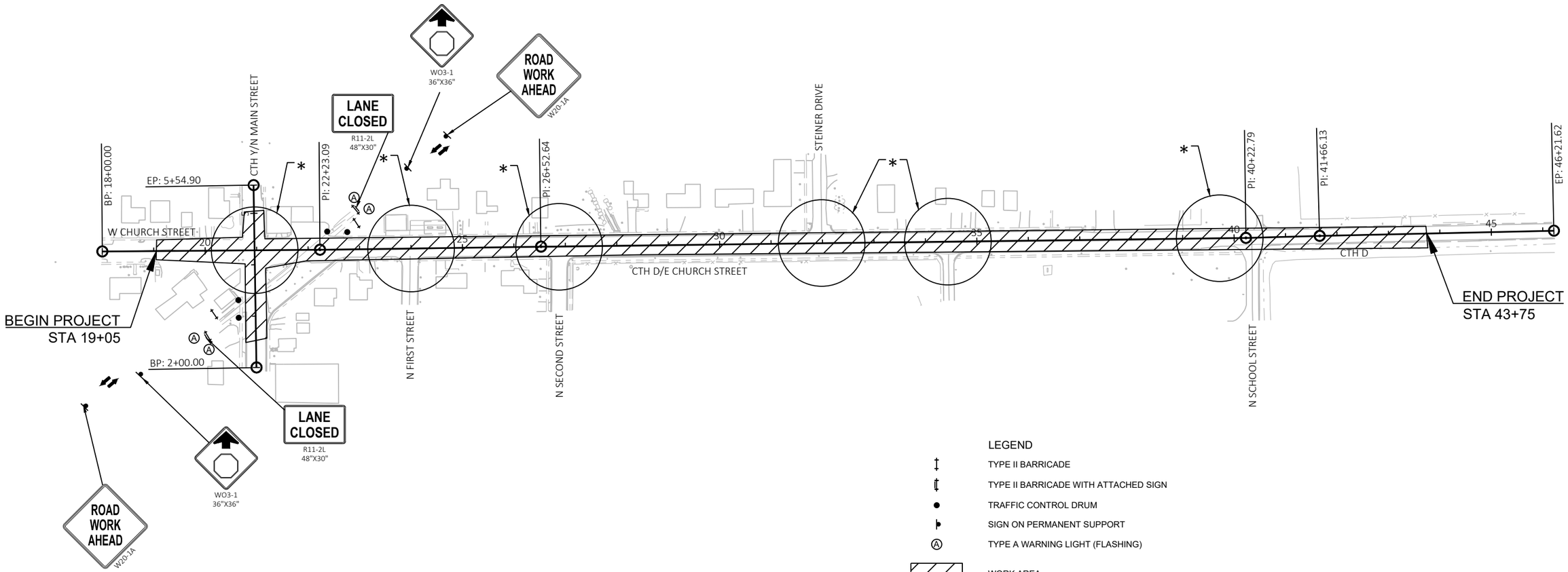
GENERAL NOTES:

MAINTAIN TEMPORARY PEDESTRIAN ACCESS AT ALL TIMES. CLOSE SIDEWALK ON A MAXIMUM OF ONE SIDE OF CTH D AT A TIME, AND ON ONE SIDE OF AN INTERSECTING STREET AT A TIME. PROVIDE A DETOUR TO THE OPPOSITE SIDE OF THE STREET USING TEMPORARY CROSSWALKS AND OTHER APPLICABLE ITEMS.

ADDITIONAL DETOUR SIGNS MAY BE NEEDED WHEN THE TRAIL IS DETOURED TO THE CTH D / CTH Y INTERSECTION FOR CONSTRUCTION OF THE TRAIL DRIVEWAYS.

* INSTALL A MINIMUM OF ONE SET OF TEMPORARY CROSSWALK AND CURB RAMPS AT EACH OF THESE LOCATIONS, ACROSS MAINLINE AND THE SIDE ROADS. ALSO, INSTALL THESE ITEMS BETWEEN INTERSECTIONS ON MAIN LINE TO MAINTAIN PEDESTRIAN ACCESS, AS NEEDED FOR CONTRACTOR'S WORK STAGING.

N



LEGEND

- TYPE II BARRICADE
- TYPE II BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- TYPE A WARNING LIGHT (FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	TRAFFIC CONTROL PEDESTRIAN ACCESS	SHEET 56	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\025101-TC.DWG
LAYOUT NAME - 025101-tc
PLOT DATE : 7/13/2020 11:07 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

3876-05-71

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	11.000	11.000
0004	201.0205	Grubbing	STA	11.000	11.000
0006	203.0200	Removing Old Structure (station) 01. Station 28+14	LS	1.000	1.000
0008	204.0100	Removing Concrete Pavement	SY	4,565.000	4,565.000
0010	204.0120	Removing Asphaltic Surface Milling	SY	650.000	650.000
0012	204.0150	Removing Curb & Gutter	LF	2,831.000	2,831.000
0014	204.0155	Removing Concrete Sidewalk	SY	1,589.000	1,589.000
0016	204.0170	Removing Fence	LF	948.000	948.000
0018	204.0210	Removing Manholes	EACH	4.000	4.000
0020	204.0220	Removing Inlets	EACH	15.000	15.000
0022	204.0245	Removing Storm Sewer (size) 01. 6-Inch	LF	9.000	9.000
0024	204.0245	Removing Storm Sewer (size) 02. 10-Inch	LF	30.000	30.000
0026	204.0245	Removing Storm Sewer (size) 03. 12-Inch	LF	607.000	607.000
0028	204.0245	Removing Storm Sewer (size) 04. 15-Inch	LF	48.000	48.000
0030	204.0245	Removing Storm Sewer (size) 05. 18-Inch	LF	443.000	443.000
0032	204.0245	Removing Storm Sewer (size) 06. 24-Inch	LF	1,240.000	1,240.000
0034	204.0245	Removing Storm Sewer (size) 07. 48-Inch	LF	12.000	12.000
0036	204.0270	Abandoning Culvert Pipes	EACH	1.000	1.000
0038	204.9090.S	Removing (item description) 01. Railing	LF	25.000	25.000
0040	204.9105.S	Removing (item description) 01. Gabion Walls	LS	1.000	1.000
0042	205.0100	Excavation Common	CY	13,927.000	13,927.000
0044	213.0100	Finishing Roadway (project) 01. 3876-05-71	EACH	1.000	1.000
0046	305.0110	Base Aggregate Dense 3/4-Inch	TON	74.000	74.000
0048	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	7,859.000	7,859.000
0050	311.0110	Breaker Run	TON	12,324.000	12,324.000
0052	416.0160	Concrete Driveway 6-Inch	SY	819.000	819.000
0054	416.0260	Concrete Driveway HES 6-Inch	SY	221.000	221.000
0056	455.0605	Tack Coat	GAL	1,452.000	1,452.000
0058	460.2000	Incentive Density HMA Pavement	DOL	1,720.000	1,720.000
0060	460.5223	HMA Pavement 3 LT 58-28 S	TON	1,600.000	1,600.000
0062	460.5224	HMA Pavement 4 LT 58-28 S	TON	1,024.000	1,024.000
0064	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	29.000	29.000
0066	465.0315	Asphaltic Flumes	SY	19.000	19.000
0068	504.0900	Concrete Masonry Endwalls	CY	5.000	5.000
0070	513.2001	Railing Pipe	LF	3.000	3.000
0072	520.8000	Concrete Collars for Pipe	EACH	1.000	1.000
0074	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000
0076	522.2334	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 34x53-Inch	LF	56.000	56.000

Line	Item	Item Description	Unit	Total	Qty
0078	522.2634	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 34x53-Inch	EACH	2.000	2.000
0080	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	4,643.000	4,643.000
0082	602.0405	Concrete Sidewalk 4-Inch	SF	28,840.000	28,840.000
0084	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	200.000	200.000
0086	602.1500	Concrete Steps	SF	38.000	38.000
0088	606.0300	Riprap Heavy	CY	33.000	33.000
0090	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	27.000	27.000
0092	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	714.000	714.000
0094	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	212.000	212.000
0096	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	148.000	148.000
0098	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	344.000	344.000
0100	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	898.000	898.000
0102	608.2419	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	41.000	41.000
0104	608.2424	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	278.000	278.000
0106	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	47.000	47.000
0108	608.2434	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 34x53-Inch	LF	136.000	136.000
0110	608.3615	Storm Sewer Pipe Class III-B 15-Inch	LF	3.000	3.000
0112	611.0530	Manhole Covers Type J	EACH	18.000	18.000
0114	611.0615	Inlet Covers Type F	EACH	4.000	4.000
0116	611.0624	Inlet Covers Type H	EACH	29.000	29.000
0118	611.0642	Inlet Covers Type MS	EACH	3.000	3.000
0120	611.2003	Manholes 3-FT Diameter	EACH	1.000	1.000
0122	611.2005	Manholes 5-FT Diameter	EACH	7.000	7.000
0124	611.2006	Manholes 6-FT Diameter	EACH	3.000	3.000
0126	611.2007	Manholes 7-FT Diameter	EACH	3.000	3.000
0128	611.2008	Manholes 8-FT Diameter	EACH	4.000	4.000
0130	611.3230	Inlets 2x3-FT	EACH	29.000	29.000
0132	611.3253	Inlets 2.5x3-FT	EACH	4.000	4.000
0134	611.3901	Inlets Median 1 Grate	EACH	3.000	3.000
0136	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0138	611.9800.S	Pipe Grates	EACH	1.000	1.000

Line	Item	Item Description	Unit	Total	Qty
0140	616.0700.S	Fence Safety	LF	400.000	400.000
0142	619.1000	Mobilization	EACH	1.000	1.000
0144	623.0200	Dust Control Surface Treatment	SY	11,583.000	11,583.000
0146	624.0100	Water	MGAL	146.000	146.000
0148	625.0100	Topsoil	SY	114.000	114.000
0150	625.0500	Salvaged Topsoil	SY	5,624.000	5,624.000
0152	627.0200	Mulching	SY	2,105.000	2,105.000
0154	628.1504	Silt Fence	LF	818.000	818.000
0156	628.1520	Silt Fence Maintenance	LF	818.000	818.000
0158	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000
0160	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0162	628.2008	Erosion Mat Urban Class I Type B	SY	1,562.000	1,562.000
0164	628.2039	Erosion Mat Class III Type D	SY	1,839.000	1,839.000
0166	628.7005	Inlet Protection Type A	EACH	5.000	5.000
0168	628.7015	Inlet Protection Type C	EACH	39.000	39.000
0170	628.7504	Temporary Ditch Checks	LF	60.000	60.000
0172	628.7555	Culvert Pipe Checks	EACH	11.000	11.000
0174	629.0210	Fertilizer Type B	CWT	4.600	4.600
0176	630.0120	Seeding Mixture No. 20	LB	119.000	119.000
0178	630.0140	Seeding Mixture No. 40	LB	42.000	42.000
0180	630.0170	Seeding Mixture No. 70	LB	4.000	4.000
0182	630.0200	Seeding Temporary	LB	118.000	118.000
0184	630.0500	Seed Water	MGAL	132.000	132.000
0186	633.5100	Markers Row	EACH	11.000	11.000
0188	633.5200	Markers Culvert End	EACH	3.000	3.000
0190	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	4.000	4.000
0192	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	29.000	29.000
0194	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	1.000	1.000
0196	637.2210	Signs Type II Reflective H	SF	141.680	141.680
0198	637.2230	Signs Type II Reflective F	SF	117.010	117.010
0200	638.2102	Moving Signs Type II	EACH	1.000	1.000
0202	638.2602	Removing Signs Type II	EACH	47.000	47.000
0204	638.3000	Removing Small Sign Supports	EACH	25.000	25.000
0206	638.4000	Moving Small Sign Supports	EACH	1.000	1.000
0208	642.5001	Field Office Type B	EACH	1.000	1.000
0210	643.0300	Traffic Control Drums	DAY	7,172.000	7,172.000
0212	643.0410	Traffic Control Barricades Type II	DAY	4,727.000	4,727.000
0214	643.0420	Traffic Control Barricades Type III	DAY	7,661.000	7,661.000
0216	643.0705	Traffic Control Warning Lights Type A	DAY	8,802.000	8,802.000
0218	643.0900	Traffic Control Signs	DAY	8,793.000	8,793.000

Line	Item	Item Description	Unit	Total	Qty
0220	643.5000	Traffic Control	EACH	1.000	1.000
0222	644.1410	Temporary Pedestrian Surface Asphalt	SF	1,188.000	1,188.000
0224	644.1420	Temporary Pedestrian Surface Plywood	SF	1,764.000	1,764.000
0226	644.1430	Temporary Pedestrian Surface Plate	SF	1,188.000	1,188.000
0228	644.1601	Temporary Pedestrian Curb Ramp	DAY	557.000	557.000
0230	644.1810	Temporary Pedestrian Barricade	LF	500.000	500.000
0232	645.0120	Geotextile Type HR	SY	199.000	199.000
0234	646.1020	Marking Line Epoxy 4-Inch	LF	1,687.000	1,687.000
0236	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	851.000	851.000
0238	646.8120	Marking Curb Epoxy	LF	140.000	140.000
0240	650.4000	Construction Staking Storm Sewer	EACH	54.000	54.000
0242	650.4500	Construction Staking Subgrade	LF	2,490.000	2,490.000
0244	650.5000	Construction Staking Base	LF	2,699.000	2,699.000
0246	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	4,643.000	4,643.000
0248	650.6000	Construction Staking Pipe Culverts	EACH	1.000	1.000
0250	650.8000	Construction Staking Resurfacing Reference	LF	285.000	285.000
0252	650.9000	Construction Staking Curb Ramps	EACH	20.000	20.000
0254	650.9910	Construction Staking Supplemental Control (project) 01. 3876-05-71	LS	1.000	1.000
0256	650.9920	Construction Staking Slope Stakes	LF	3,245.000	3,245.000
0258	690.0150	Sawing Asphalt	LF	633.000	633.000
0260	690.0250	Sawing Concrete	LF	433.000	433.000
0262	740.0440	Incentive IRI Ride	DOL	2,046.000	2,046.000
0264	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000
0266	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,320.000	1,320.000
0268	SPV.0060	Special 01. Remove Ex. Sanitary Manhole	EACH	9.000	9.000
0270	SPV.0060	Special 02. Remove Ex. Sanitary Cleanout	EACH	1.000	1.000
0272	SPV.0060	Special 03. Remove Ex. Water Valve Box	EACH	8.000	8.000
0274	SPV.0060	Special 04.Remove Ex. Hydrant	EACH	4.000	4.000
0276	SPV.0060	Special 05. Adjust Ex. Sanitary Manhole	EACH	4.000	4.000
0278	SPV.0060	Special 06. Adjust Ex. Water Valve Box	EACH	8.000	8.000
0280	SPV.0060	Special 07. Adjust Ex. Water Curb Stop Box	EACH	5.000	5.000
0282	SPV.0060	Special 08. Sanitary Manhole	EACH	8.000	8.000
0284	SPV.0060	Special 09. Sanitary Drop Manhole	EACH	2.000	2.000
0286	SPV.0060	Special 10. Sanitary MH Cover Type J	EACH	10.000	10.000
0288	SPV.0060	Special 11. Sanitary Sewer Cap 15-Inch	EACH	2.000	2.000
0290	SPV.0060	Special 12. Connect to Existing Sanitary Sewer	EACH	8.000	8.000
0292	SPV.0060	Special 13. Water Valve & Box 6-Inch	EACH	4.000	4.000
0294	SPV.0060	Special 14. Water Valve & Box 8-Inch	EACH	1.000	1.000
0296	SPV.0060	Special 15. Water Valve & Box 12-Inch	EACH	3.000	3.000

Line	Item	Item Description	Unit	Total	Qty
0298	SPV.0060	Special 16. Fire Hydrant	EACH	4.000	4.000
0300	SPV.0060	Special 17. Tees 8"x6"x8"	EACH	2.000	2.000
0302	SPV.0060	Special 18. Tees 12"x6"x12"	EACH	2.000	2.000
0304	SPV.0060	Special 19. Tees 12"x8"x12"	EACH	1.000	1.000
0306	SPV.0060	Special 20. Bend 45-Degree 8-Inch	EACH	2.000	2.000
0308	SPV.0060	Special 21. Reducer 8"x6"	EACH	2.000	2.000
0310	SPV.0060	Special 22. Cap 6-Inch	EACH	1.000	1.000
0312	SPV.0060	Special 23. Cap 12-Inch	EACH	1.000	1.000
0314	SPV.0060	Special 24. Connect To Existing Watermain	EACH	5.000	5.000
0316	SPV.0060	Special 25. Sanitary Wye 15-Inch Main	EACH	15.000	15.000
0318	SPV.0060	Special 26. Sanitary Wye 8-Inch Main	EACH	1.000	1.000
0320	SPV.0060	Special 27. Sanitary Lateral Reconnection	EACH	16.000	16.000
0322	SPV.0060	Special 28. Sanitary Service Connection Interior To Building Under Basement Floor	EACH	5.000	5.000
0324	SPV.0060	Special 29. Sanitary Service Connection Interior To Building Thru Basement Wall	EACH	5.000	5.000
0326	SPV.0060	Special 30. Sanitary Service Connection Exterior To Building	EACH	6.000	6.000
0328	SPV.0060	Special 31. Corporation, Curb Stop & Box (Set)	EACH	11.000	11.000
0330	SPV.0060	Special 32. Water Service Reconnection	EACH	11.000	11.000
0332	SPV.0060	Special 33. Gates Chain Link 3-FT Polymer Coated	EACH	2.000	2.000
0334	SPV.0060	Special 34. Remove and Reinstall Solar Powered Crossing Assembly	EACH	2.000	2.000
0336	SPV.0060	Special 35. Locate and Reference Property Corners	EACH	15.000	15.000
0338	SPV.0060	Special 36. Verify and Reset Property Corners	EACH	15.000	15.000
0340	SPV.0090	Special 01. Sanitary Lateral 6-Inch	LF	450.000	450.000
0342	SPV.0090	Special 02. Sanitary Lateral (Pipe Bursting)	LF	750.000	750.000
0344	SPV.0090	Special 03. Water Service 1-Inch to 2-Inch	LF	220.000	220.000
0346	SPV.0090	Special 04. Sanitary Sewer Pipe 8-Inch	LF	200.000	200.000
0348	SPV.0090	Special 05. Sanitary Sewer pipe 15-Inch	LF	2,250.000	2,250.000
0350	SPV.0090	Special 06. Sanitary Sewer Televising	LF	2,450.000	2,450.000
0352	SPV.0090	Special 07. PVC Water Main 6-Inch	LF	50.000	50.000
0354	SPV.0090	Special 08. PVC Water Main 8-Inch	LF	250.000	250.000
0356	SPV.0090	Special 09. PVC Water Main 12-Inch	LF	1,500.000	1,500.000
0358	SPV.0090	Special 10. Fence Chain Link Polymer Coated 5-FT Ground Mounted	LF	710.000	710.000
0360	SPV.0090	Special 11. Remove and Salvage Railing	LF	9.000	9.000
0362	SPV.0105	Special 01. Temporary Water Service	LS	1.000	1.000
0364	SPV.0180	Special 01. Articulated Concrete Block	SY	113.000	113.000
0366	SPV.0195	Special 01. Excavation, Hauling, and Disposal of Contaminated Soil	TON	200.000	200.000

3

CLEARING AND GRUBBING

CATEGORY	STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
0010	26+00	-	31+00	LT	5	5
0010	32+00	-	35+00	LT	3	3
0010	36+00	-	37+00	LT	1	1
0010	39+00	-	41+00	LT	2	2
				TOTAL 0010	11	11

MILLING

CATEGORY	STATION	TO	STATION	LOCATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
0010	41+66	-	43+75	CTH D	650
				TOTAL 0010	650

REMOVING FENCE & RAILING

CATEGORY	STATION	TO	STATION	LOCATION	204.0170 REMOVING FENCE LF	204.9090.S.01 REMOVING (01. RAILING) LF	SPV.0090.11 SPECIAL (11. REMOVE AND SALVAGE RAILING) LF
0010	27+15	-	34+20	RT	715	---	---
0010	38+26	-	39+36	LT	113	---	---
0010	42+66	-	43+86	LT	120	---	---
0010	23+97		23+98	LT	---	---	9
0010	27+89	-	28+07	LT	---	25	---
				TOTAL 0010	948	25	9

REMOVING STRUCTURES

CATEGORY	STATION	LOCATION	203.0200.01 REMOVING OLD STRUCTURE (STATION) (01. STA 28+14) LS	REMARKS
0010	28+14	CROSS DRAIN	1	6'X 6' BOX CULVERT
		TOTAL 0010	1	

REMOVING CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF
0010	2+26	-	3+08	LT	82
0010	2+47	-	3+13	RT	72
0010	22+37	-	22+55	RT	23
0010	24+14	-	24+48	RT	45
0010	24+67	-	26+72	RT	222
0010	24+94	-	31+80	LT	698
0010	27+04	-	34+29	RT	739
0010	32+17	-	36+80	LT	473
0010	34+60	-	39+33	RT	477
				TOTAL 0010	2,831

REMOVING GABION WALLS

CATEGORY	STATION	TO	STATION	LOCATION	204.9105.S.01 REMOVING (01. GABION WALLS) LS
0010	27+74	-	28+18	LT	1
				TOTAL 0010	1

REMOVING PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	REMARKS
0010	2+74	-	2+83	RT	4	DRIVEWAY
0010	2+28	-	2+57	LT	19	DRIVEWAY
0010	23+51	-	23+99	LT	50	DRIVEWAY
0010	23+99	-	24+91	LT	51	DRIVEWAY
0010	24+48	-	24+66	RT	26	DRIVEWAY
0010	25+01	-	25+13	LT	5	DRIVEWAY
0010	28+98	-	29+23	LT	4	DRIVEWAY
0010	30+45	-	30+65	LT	4	DRIVEWAY
0010	20+75	-	39+33	ROADWAY	3,716	CTH D
0010	2+26		2+48	ROADWAY	6	CTH Y
0010	2+48	-	4+18	ROADWAY	680	CTH Y
				TOTAL 0010	4,565	

REMOVING SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY
0010	2+26	-	3+38	LT	64
0010	2+47	-	3+13	RT	35
0010	4+53	-	4+84	RT	16
0010	19+05	-	19+10	RT	2
0010	19+05	-	20+74	LT	89
0010	21+37	-	21+50	LT	10
0010	22+37	-	23+78	RT	65
0010	22+69	-	31+75	LT	415
0010	24+15	-	26+71	RT	116
0010	27+06	-	34+29	RT	324
0010	32+20	-	36+80	LT	209
0010	37+07	-	37+37	LT	11
0010	34+59	-	40+15	RT	235
				TOTAL 0010	1,589

REMOVING INLETS

CATEGORY	STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH
0010	2+60	LT	---	1
0010	2+67	RT	---	1
0010	21+52	RT	---	1
0010	22+63	RT	---	1
0010	23+79	RT	---	1
0010	24+10	RT	1	---
0010	24+17	RT	---	1
0010	25+00	LT	---	1
0010	27+00	LT	---	1
0010	27+02	RT	1	---
0010	28+27	RT	1	---
0010	29+21	RT	---	1
0010	29+23	LT	---	1
0010	31+65	LT	---	1
0010	32+31	LT	---	1
0010	32+44	LT	1	---
0010	34+83	RT	---	1
0010	38+82	RT	---	1
0010	39+48	RT	---	1
		TOTAL 0010	4	15

REMOVING STORM SEWER

CATEGORY	STATION	TO	STATION	LOCATION	204.0245.01 REMOVING STORM SEWER (SIZE) (01. 6-INCH) LF	204.0245.02 REMOVING STORM SEWER (SIZE) (02. 10-INCH) LF	204.0245.03 REMOVING STORM SEWER (SIZE) (03. 12-INCH) LF	204.0245.04 REMOVING STORM SEWER (SIZE) (04. 15-INCH) LF	204.0245.05 REMOVING STORM SEWER (SIZE) (18-INCH) LF	204.0245.06 REMOVING STORM SEWER (SIZE) (06. 24-INCH) LF	204.0245.07 REMOVING STORM SEWER (SIZE) (07. 48-INCH) LF	204.0270 ABANDONING CULVERT PIPES EACH
0010	2+64	-	2+67	CROSS	---	---	40	---	---	---	---	---
0010	21+52	-	22+63	RT	---	---	110	---	---	---	---	---
0010	22+63	-	23+79	RT	---	---	115	---	---	---	---	---
0010	23+79	-	24+10	RT	---	30	---	---	---	---	---	---
0010	23+79		23+80	LT	9	---	---	---	---	---	---	---
0010	24+10	-	24+16	RT	---	---	---	6	---	---	---	---
0010	25+00	-	27+00	LT	---	---	200	---	---	---	---	---
0010	26+72	-	27+02	RT	---	---	30	---	---	---	---	---
0010	27+01	-	27+02	CROSS	---	---	---	42	---	---	---	---
0010	27+00	-	26+99	RT	---	---	12	---	---	---	---	---
0010	27+02	-	27+02	LT	---	---	4	---	---	---	---	1
0010	27+00	-	27+96	LT	---	---	96	---	---	---	---	---
0010	28+05	-	29+23	LT	---	---	---	---	120	---	---	---
0010	28+20		28+27	RT	---	---	---	---	---	---	12	---
0010	28+27	-	29+21	RT	---	---	---	---	---	94	---	---
0010	29+21	-	34+83	RT	---	---	---	---	---	562	---	---
0010	29+23	-	31+65	LT	---	---	---	---	245	---	---	---
0010	31+65	-	32+31	LT	---	---	---	---	66	---	---	---
0010	32+31	-	32+44	LT	---	---	---	---	12	---	---	---
0010	34+83	-	38+82	RT	---	---	---	---	---	400	---	---
0010	38+82	-	39+48	RT	---	---	---	---	---	66	---	---
0010	39+48	-	40+67	RT	---	---	---	---	---	118	---	---
				TOTAL 0010	9	30	607	48	443	1,240	12	1

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1)		SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13)	MASS ORDINATE +/- (14)	WASTE	COMMENT:
			CUT (2)	EBS EXCAVATION				FACTOR 1.25			
DIVISION 1											
EWKDetail-CTH D.xml	19+05/44+50	CTH D	11,862	0	1,795	10,067	35	44	10,023	10,023	
EWK-Detail-CtyY.xml	2+26.82/04+84.49	CTH Y	1,008	0	209	799	1	2	798	798	
CONTAMINATED AREA	23+50/24+00	CTH D	0	0	0	0	143	179	-179	0	
EWKDetail-NDitch.xml	08+57/10+52.29	NORTH DITCH	664	0	0	664	0	0	664	664	
EWKDetail-SchoolSt.xml	21+92.7/24+33.85	SCHOOL ST. DITCH	324	0	0	324	0	0	324	324	
EWKDetail-SSChannel.xml	10+00/10+37	SS CHANNEL	68	0	0	68	0	0	68	68	
DIVISION 1 SUBTOTAL			13,927	0	2,004	11,923	180	225	11,698	11,877	
GRAND TOTAL			13,927	0	2,004	11,923	180	225	11,698	11,877	
TOTAL COMMON EXC			13,927								

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.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(13) EXPANDED FILL FACTOR = 1.25
(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.

BASE AGGREGATE ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110 BREAKER RUN TON	623.0200 DUST CONTROL SURFACE TREATMENT SY	* 624.0100 WATER MGAL	650.5000 CONSTRUCTION STAKING BASE LF
0010	19+05	-	44+50	CTH D	60	5,144	9,390	8,793	79	2,470
0010	2+26	-	4+13	CTH Y	---	370	725	687	6	187
0010	4+43	-	4+85	CTH Y	---	80	155	172	2	42
0010	BOX OUTS	-		---	2	---	---	---	---	---
0010	UNDISTRIBUTED	-		---	12	1,119	2,054	1,931	18	---
				TOTAL 0010	74	6,713	12,324	11,583	105	2,699

DRIVEWAYS

CATEGORY	STATION	TO	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	416.0160 CONCRETE DRIVEWAY 6-INCH SY	416.0260 CONCRETE DRIVEWAY HES 6-INCH SY	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	* 624.0100 WATER MGAL
0010	2+41	-	---	LT	11	33	---	---	0.4
0010	2+78	-	---	RT	5	14	---	---	0.2
0010	2+87	-	---	RT	5	14	---	---	0.2
0010	3+15	-	---	LT	10	23	---	---	0.3
0010	3+64	-	---	RT	10	23	---	---	0.3
0010	3+42	-	---	LT	1	---	---	1	0.1
0010	3+65	-	---	LT	18	---	35	3	0.6
0010	19+38	-	---	LT	13	29	---	2	0.4
0010	19+08	-	---	RT	1	---	---	1	0.1
0010	19+81	-	---	RT	58	---	124	8	1.8
0010	20+62	-	---	RT	5	---	---	2	0.2
0010	19+96	-	---	LT	8	17	---	---	0.3
0010	21+72	-	---	RT	13	30	---	---	0.4
0010	21+91	-	---	LT	23	50	---	3	0.7
0010	22+20	-	---	LT	3	---	---	1	0.1
0010	22+49	-	---	LT	14	32	---	---	0.5
0010	23+25	-	---	RT	9	15	---	---	0.3
0010	23+46	-	24+00	LT	29	85	---	---	0.9
0010	24+00	-	24+68	LT	23	68	---	---	0.7
0010	24+57	-	---	RT	14	42	---	---	0.5
0010	24+80	-	---	LT	13	40	---	---	0.4
0010	25+07	-	---	LT	8	23	---	---	0.3
0010	26+25	-	---	LT	7	16	---	1	0.3
0010	28+30	-	---	LT	7	20	---	0.2	0.3
0010	29+11	-	---	LT	10	31	---	---	0.4
0010	30+55	-	---	LT	9	26	---	---	0.3
0010	33+54	-	---	LT	8	21	---	1	0.3
0010	34+44	-	---	RT	16	42	---	1	0.5
0010	34+60	-	---	LT	10	21	---	---	0.4
0010	34+92	-	---	LT	6	15	---	---	0.2
0010	35+92	-	---	LT	10	23	---	---	0.3
0010	37+49	-	---	LT	19	---	37	---	0.6
0010	38+96	-	---	LT	6	13	---	---	0.2
0010	40+51	-	---	LT	7	16	---	1	0.3
0010	43+00	-	---	LT	10	---	---	---	0.4
0010	UNDISTRIBUTED	-	---		20	40	25	5	0.6
				TOTAL 0010	435	819	221	29	15

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ASPHALT PAVEMENT ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	THICKNESS INCHES	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON
0010	19+05	-	41+66	LOWER LAYER	2.75	618	1,358	---
0010	19+05	-	41+66	UPPER LAYER	1.75	618	---	865
0010	41+66	-	43+75	LOWER LAYER	3.25	46	119	---
0010	41+66	-	43+75	UPPER LAYER	1.75	46	---	64
0010	2+26	-	4+13	LOWER LAYER	2.75	49	106	---
0010	2+26	-	4+13	UPPER LAYER	1.75	49	---	68
0010	4+43	-	4+85	LOWER LAYER	1.75	13	17	---
0010	4+43	-	4+85	UPPER LAYER	2.75	13	---	27
				TOTAL 0010		1,452	1,600	1,024

NOTE: TACK COAT CALCULATED AT 0.07 GALLONS PER SQUARE YARD FOR BOTH LAYERS

ASPHALTIC FLUMES

CATEGORY	STATION	LOCATION	465.0315 ASPHALTIC FLUMES SY
0010	40+75	RT	19
		TOTAL 0010	19

CONCRETE MASONRY ENDWALLS

CATEGORY	STATION	LOCATION	INVERT	504.0900 CONCRETE MASONRY ENDWALLS CY
0010	28+00	37.2' LT	884.56	5
			TOTAL 0010	5

CONCRETE COLLARS

CATEGORY	STRUCTURE	TO	STATION	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE EACH
0010	16.7	-	34+01.91	25.41' RT	1
				TOTAL 0010	1

CULVERT SUMMARY

CATEGORY	STATION	LOCATION	INVERT ELEV.	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.2334 CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 34X53-INCH LF	522.2634 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 34X53-INCH EACH	633.5200 MARKERS CULVERT END EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	** JOINT TIES
0010	43+54	RT	890.99	---	56	1	1	1	6.00
0010	43+54	LT	890.40	---	---	1	1	---	6.00
0010	40+75	RT	893.66	1	---	---	1	---	6.00
			TOTAL 0010	1	56	2	3	1	

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

CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	2+26	-	3+93	LT	167	167
0010	2+47	-	3+93	RT	145	145
0010	4+63	-	4+85	LT	21	21
0010	4+58	-	4+85	RT	27	27
0010	19+05	-	20+80	RT	181	181
0010	19+05	-	20+80	LT	181	181
0010	21+10	-	23+80	RT	289	289
0010	21+10	-	31+85	LT	1,081	1,081
0010	24+10	-	26+75	RT	289	289
0010	27+00	-	40+00	RT	1,339	1,339
0010	32+05	-	41+00	LT	894	894
0010	40+45	-	40+65	RT	29	29
				TOTAL 0010	4,643	4,643

RIPRAP

CATEGORY	STATION	TO	STATION	LOCATION	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	SPV.0180.01 SPECIAL (01. ARTICULATED CONCRETE BLOCK) SY
0010	27+74		28+18	LT	---	129	113
0010	43+46	-	43+61	LT	33	70	---
				TOTAL 0010	33	199	113

3

SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	513.2001 RAILING PIPE LF	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.1500 CONCRETE STEPS SF	* 624.0100 WATER MGAL	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
0010	2+26	-	3+45	LT	16	---	625	---	---	1	---
0010	2+47	-	3+91	RT	20	---	800	---	---	1	---
0010	19+05	-	20+80	RT	10	---	387	10	---	1	1
0010	19+05	-	20+80	LT	30	---	1,202	10	---	1	1
0010	21+10	-	23+80	RT	46	---	1,844	20	---	2	2
0010	22+95	-	22+98	RT	---	3	---	---	14	---	---
0010	21+10	-	31+85	LT	154	---	6,254	50	---	5	5
0010	26+42	-	26+47	LT	---	---	---	---	9	---	---
0010	24+10	-	26+75	RT	46	---	1,876	30	---	2	3
0010	25+94	-	25+98	RT	---	---	---	---	15	---	---
0010	27+00	-	40+00	RT	246	---	9,987	50	---	8	5
0010	32+05	-	41+00	LT	145	---	5,865	30	---	5	3
				TOTAL 0010	712	3	28,840	200	38	26	20

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER

CATEGORY	STRUCTURE	TO	STRUCTURE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.2419 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	608.2429 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF	608.2434 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH LF	608.3615 STORM SEWER PIPE CLASS III-B 15-INCH LF
0010	2.1	-	2.0	---	23	---	---	---	---	---	---	---	---	---
0010	2.0	-	3.0	---	130	---	---	---	---	---	---	---	---	---
0010	3.0	-	3.1	---	---	11	---	---	---	---	---	---	---	---
0010	3.1	-	3.2	---	10	---	---	---	---	---	---	---	---	---
0010	3.0	-	3.3	---	32	---	---	---	---	---	---	---	---	---
0010	3.0	-	4.0	---	---	---	---	---	---	41	---	---	---	---
0010	4.0	-	4.1	---	---	---	---	---	---	---	9	---	---	---
0010	4.0	-	6.0	---	---	---	---	---	---	---	31	---	---	---
0010	6.0	-	6.1	---	---	11	---	---	---	---	---	---	---	---
0010	6.1	-	6.2	---	10	---	---	---	---	---	---	---	---	---
0010	6.0	-	7.0	---	---	---	---	---	---	---	211	---	---	---
0010	7.0	-	7.1	---	---	10	---	---	---	---	---	---	---	---
0010	7.1	-	7.2	---	10	---	---	---	---	---	---	---	---	---
0010	7.0	-	7.3	---	---	23	---	---	---	---	---	---	---	---
0010	7.3	-	7.4	---	10	---	---	---	---	---	---	---	---	---
0010	7.0	-	8.0	---	---	---	---	---	---	---	---	47	---	---
0010	8.0	-	8.1	---	---	---	---	---	---	---	27	---	---	---
0010	8.1	-	8.2	27	---	---	---	---	---	---	---	---	---	---
0010	8.0	-	10.0	---	---	---	---	---	---	---	---	---	26	---
0010	10.0	-	10.1	---	---	15	---	---	---	---	---	---	---	---
0010	10.1	-	10.2	---	10	---	---	---	---	---	---	---	---	---
0010	10.0	-	11.0	---	---	---	---	---	---	---	---	---	66	---
0010	11.0	-	21.0	---	---	---	---	---	---	---	---	---	44	---
0010	21.0	-	12.0	---	---	---	---	70	---	---	---	---	---	---
0010	21.0	-	13.0	---	---	---	---	---	48	---	---	---	---	---
0010	13.0	-	14.0	---	---	---	---	---	44	---	---	---	---	---
0010	14.0	-	14.1	---	17	---	---	---	---	---	---	---	---	---
0010	14.0	-	14.2	---	22	---	---	---	---	---	---	---	---	---
0010	14.0	-	15.0	---	---	---	---	---	291	---	---	---	---	---
0010	15.0	-	15.1	---	17	---	---	---	---	---	---	---	---	---
0010	15.0	-	15.2	---	---	22	---	---	---	---	---	---	---	---
0010	15.2	-	15.3	---	75	---	---	---	---	---	---	---	---	---
0010	15.0	-	16.0	---	---	---	---	---	242	---	---	---	---	---
0010	16.0	-	16.1	---	---	17	---	---	---	---	---	---	---	---
0010	16.1	-	16.2	---	12	---	---	---	---	---	---	---	---	---
0010	16.0	-	16.4	---	22	---	---	---	---	---	---	---	---	---
0010	16.0	-	17.0	---	---	---	---	---	273	---	---	---	---	---
0010	16.1	-	16.5	---	---	74	---	---	---	---	---	---	---	---
0010	16.5	-	16.6	---	12	---	---	---	---	---	---	---	---	---
0010	16.1	-	16.7	---	---	---	---	---	---	---	---	---	---	3
0010	17.0	-	17.1	---	---	17	---	---	---	---	---	---	---	---
0010	17.1	-	17.3	---	12	---	---	---	---	---	---	---	---	---
0010	17.0	-	17.2	---	22	---	---	---	---	---	---	---	---	---
0010	17.0	-	18.0	---	---	---	---	164	---	---	---	---	---	---
0010	18.0	-	18.1	---	43	---	---	---	---	---	---	---	---	---

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STORM SEWER

CATEGORY	STRUCTURE	TO	STRUCTURE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.2419 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 19X30-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH LF	608.2429 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 29X45-INCH LF	608.2434 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH LF	608.3615 STORM SEWER PIPE CLASS III-B 15-INCH LF
0010	18.0	-	18.2	---	17	---	---	---	---	---	---	---	---	---
0010	18.0	-	19.0	---	---	---	---	110	---	---	---	---	---	---
0010	19.0	-	19.1	---	---	---	17	---	---	---	---	---	---	---
0010	19.1	-	19.3	---	---	12	---	---	---	---	---	---	---	---
0010	19.3	-	19.4	---	10	---	---	---	---	---	---	---	---	---
0010	19.0	-	19.2	---	22	---	---	---	---	---	---	---	---	---
0010	19.0	-	20.0	---	---	---	131	---	---	---	---	---	---	---
0010	1.1	-	1.0	---	40	---	---	---	---	---	---	---	---	---
0010	1.0	-	1.2	---	50	---	---	---	---	---	---	---	---	---
0010	1.2	-	1.3	---	14	---	---	---	---	---	---	---	---	---
0010	1.2	-	1.4	---	72	---	---	---	---	---	---	---	---	---
			TOTAL 0010	27	714	212	148	344	898	41	278	47	136	3

INLET MEDIAN GRATE

CATEGORY	STRUCTURE NO.	STATION	LOCATION	GRATE/RIM 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
0010	2.1	22+39.53	28.74' RT	892.36	892.36	889.16	3.20	1	1	1
0010	18.1	38+39.01	37.52' LT	895.41	895.41	891.19	4.22	1	1	1
0010	1.3	3+12.63	32.50' RT	892.70	892.70	889.41	3.29	1	1	1
						TOTAL 0010		3	3	3

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PIPE GRATES

CATEGORY	STATION	LOCATION	611.9800.S PIPE GRATES EACH
0010	40+75	RT	1
		TOTAL 0010	1

ADJUSTING COVERS

CATEGORY	STRUCTURE	STATION	LOCATION	611.8115 ADJUSTING INLET COVERS EACH	REMARKS
0010	8.2	26+72	30.75' RT	1	EXISTING INLET TO REMAIN
			TOTAL 0010	1	

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE NO.	STATION	LOCATION	GRATE/RIM ELEV.	TOP OF STRUCTURE ELEV.	INVERT ELEV.	STRUCTURE DEPTH	611.0530 MANHOLE COVERS TYPE J EACH	611.0615 INLET COVERS TYPE F EACH	611.0624 INLET COVERS TYPE H EACH	611.2003 MANHOLES 3-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	611.3230 INLETS 2X3-FT EACH	611.3253 INLETS 2.5X3-FT EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	2.0	22+39.53	5.44' RT	892.72	891.47	888.92	2.55	1	---	---	1	---	---	---	---	---	---	1
0010	3.0	23+69.37	5.50' RT	892.01	890.76	887.82	2.94	1	---	---	---	---	---	1	---	---	---	1
0010	3.1	23+69.37	16.50' RT	891.66	890.66	888.11	2.55	---	---	1	---	---	---	---	---	1	---	1
0010	3.2	23+59.37	16.50' RT	891.71	890.71	888.46	2.25	---	---	1	---	---	---	---	---	1	---	1
0010	3.3	23+92.45	16.50' LT	891.53	890.53	888.27	2.26	---	---	1	---	---	---	---	---	1	---	1
0010	4.0	24+10.45	5.50' RT	891.73	890.48	887.26	3.22	1	---	---	---	---	---	---	1	---	---	1
0010	4.1	24+10.45	14.57' RT	891.46	890.21	887.43	2.78	1	---	---	---	---	1	---	---	---	---	1
0010	6.0	24+41.04	5.50' RT	891.62	890.37	887.11	3.26	1	---	---	---	---	1	---	---	---	---	1
0010	6.1	24+41.03	16.50' RT	891.27	890.27	887.67	2.60	---	---	1	---	---	---	---	---	1	---	1
0010	6.2	24+31.05	16.50' RT	891.32	890.32	888.02	2.30	---	---	1	---	---	---	---	---	1	---	1
0010	7.0	26+52.36	7.00' RT	890.50	889.25	885.85	3.40	1	---	---	---	---	---	1	---	---	---	1
0010	7.1	26+52.35	16.50' RT	890.09	889.09	886.55	2.54	---	---	1	---	---	---	---	---	1	---	1
0010	7.2	26+42.35	16.50' RT	890.12	889.12	886.90	2.22	---	---	1	---	---	---	---	---	1	---	1
0010	7.3	26+52.40	16.50' LT	890.10	889.10	886.59	2.51	---	---	1	---	---	---	---	---	1	---	1
0010	7.4	26+42.40	16.50' LT	890.11	889.11	886.91	2.20	---	---	1	---	---	---	---	---	1	---	1
0010	8.0	26+99.16	7.00' RT	890.62	889.37	885.25	4.12	1	---	---	---	---	---	---	1	---	---	1
0010	8.1	26+99.16	33.88' RT	890.33	889.08	886.37	2.71	1	---	---	---	---	1	---	---	---	---	1
0010	8.2	26+72.01	30.75' RT	890.06	889.06	886.81	2.25	---	---	---	---	---	---	---	---	---	---	---
0010	10.0	27+25.00	7.00' RT	890.75	889.50	885.14	4.36	1	---	---	---	---	---	---	1	---	---	1
0010	10.1	27+25.00	22.50' RT	890.08	889.08	886.65	2.43	---	---	1	---	---	---	---	---	1	---	1
0010	10.2	27+35.00	22.50' RT	890.17	889.17	887.00	2.17	---	---	1	---	---	---	---	---	1	---	1
0010	11.0	27+90.73	7.00' RT	891.08	889.83	884.87	4.96	1	---	---	---	---	---	---	1	---	---	1
0010	12.0	28+26.91	25.73' RT	891.29	890.04	884.74	5.30	1	---	---	---	---	---	1	---	---	---	1
0010	13.0	28+25.00	5.50' RT	891.29	890.04	884.69	5.35	1	---	---	---	1	---	---	---	---	---	1
0010	14.0	28+69.27	5.50' RT	891.52	890.27	884.86	5.41	1	---	---	---	1	---	---	---	---	---	1
0010	14.1	28+69.27	22.50' RT	890.89	889.89	887.03	2.86	---	---	1	---	---	---	---	---	1	---	1
0010	14.2	28+69.27	16.50' LT	891.07	890.07	887.08	2.99	---	---	1	---	---	---	---	---	1	---	1
0010	15.0	31+60.00	5.50' RT	892.89	891.64	886.04	5.60	1	---	---	---	1	---	---	---	---	---	1
0010	15.1	31+60.00	22.50' RT	892.27	891.27	888.21	3.06	---	---	1	---	---	---	---	---	1	---	1
0010	15.2	31+60.00	16.50' LT	892.45	891.45	888.00	3.45	---	---	1	---	---	---	---	---	1	---	1
0010	15.3	32+35.00	16.50' LT	892.77	891.77	888.98	2.79	---	---	1	---	---	---	---	---	1	---	1
0010	16.0	34+01.91	5.50' RT	893.94	892.69	887.01	5.68	1	---	---	---	1	---	---	---	---	---	1
0010	16.1	34+01.91	22.50' RT	893.31	892.31	888.68	3.63	---	1	---	---	---	---	---	---	---	1	1
0010	16.2	33+90.00	22.50' RT	893.26	892.26	889.05	3.21	---	---	1	---	---	---	---	---	1	---	1
0010	16.4	34+01.91	16.50' LT	893.49	892.49	889.23	3.26	---	---	1	---	---	---	---	---	1	---	1
0010	16.5	34+75.45	22.50' RT	893.63	892.63	889.71	2.92	---	1	---	---	---	---	---	---	---	1	1
0010	16.6	34+87.45	22.50' RT	893.68	892.68	890.08	2.60	---	---	1	---	---	---	---	---	1	---	1
0010	17.0	36+75.00	5.50' RT	895.21	893.96	888.11	5.85	1	---	---	---	1	---	---	---	---	---	1
0010	17.1	36+75.00	22.50' RT	894.58	893.58	890.28	3.30	---	---	1	---	---	---	---	---	1	---	1
0010	17.2	36+75.00	16.50' LT	894.76	893.76	890.33	3.43	---	---	1	---	---	---	---	---	1	---	1
0010	17.3	36+87.00	22.50' RT	894.64	893.64	890.65	2.99	---	---	1	---	---	---	---	---	1	---	1
0010	18.0	38+39.00	5.50' RT	896.02	894.77	889.26	5.51	1	---	---	---	1	---	---	---	---	---	1
0010	18.2	38+38.99	22.50' RT	895.39	894.39	890.93	3.46	---	---	1	---	---	---	---	---	1	---	1
0010	19.0	39+48.56	5.50' RT	896.52	895.27	889.70	5.57	1	---	---	---	1	---	---	---	---	---	1
0010	19.1	39+48.56	22.50' RT	895.89	894.89	890.38	4.51	---	1	---	---	---	---	---	---	---	1	1

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STORM SEWER STRUCTURES

CATEGORY	STRUCTURE NO.	STATION	LOCATION	GRATE/RIM ELEV.	TOP OF STRUCTURE ELEV.	INVERT ELEV.	STRUCTURE DEPTH	611.0530 MANHOLE COVERS TYPE J EACH	611.0615 INLET COVERS TYPE F EACH	611.0624 INLET COVERS TYPE H EACH	611.2003 MANHOLES 3-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	611.3230 INLETS 2X3-FT EACH	611.3253 INLETS 2.5X3-FT EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	19.2	39+48.56	16.50' LT	896.07	895.07	891.43	3.64	---	---	1	---	---	---	---	---	1	---	1
0010	19.3	39+36.56	22.50' RT	895.85	894.85	891.24	3.61	---	1	---	---	---	---	---	---	---	1	1
0010	19.4	39+26.56	22.50' RT	895.82	894.82	891.60	3.22	---	---	1	---	---	---	---	---	1	---	1
0010	1.0	2+67.00	19.50' RT	893.15	892.15	889.05	3.10	---	---	1	---	---	---	---	---	1	---	1
0010	1.1	2+60.00	19.50' LT	893.21	892.21	889.33	2.88	---	---	1	---	---	---	---	---	1	---	1
0010	1.2	3+16.93	19.50' RT	892.97	891.97	889.20	2.77	---	---	1	---	---	---	---	---	1	---	1
0010	1.4	3+88.47	19.50' RT	892.60	891.60	889.42	2.18	---	---	1	---	---	---	---	---	1	---	1
			TOTAL 0010					18	4	29	1	7	3	3	4	29	4	51

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

FENCE

CATEGORY	STATION	616.0700.S FENCE SAFETY LF
0010	UNDISTRIBUTED	400
		400

RESTORATION ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0170 SEEDING MIXTURE NO. 70 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
0010	2+50	-	3+35	LT	---	25	---	0.10	---	1	---	---	0.6
0010	2+47	-	3+56	RT	---	35	---	0.10	---	1	---	---	0.8
0010	19+05	-	20+67	LT	---	42	---	0.10	---	2	---	---	1.0
0010	21+19		23+50	LT	---	52	---	0.10	---	2	---	---	1.2
0010	24+91	-	31+80	LT	---	170	---	0.20	---	5	---	---	3.9
0010	27+74		28+18	LT	114	---	---	0.10	---	---	4	---	2.6
0010	21+25	-	23+85	RT	---	117	---	0.10	---	4	---	---	2.7
0010	24+15	-	26+75	RT	---	79	---	0.10	---	3	---	---	1.8
0010	27+05	-	34+20	RT	---	225	---	0.20	---	7	---	---	5.1
0010	32+10	-	41+66	LT	---	292	---	0.20	---	8	---	---	6.6
0010	34+65	-	40+20	RT	---	142	---	0.10	4	---	---	4	3.2
0010	40+45	-	44+50	RT	---	2,148	968	1.40	58	---	---	58	48.3
0010	41+66	-	43+80	LT	---	1,172	716	0.80	33	---	---	32	27.4
	UNDISTRIBUTED					1,125	421	1	24	9	---	24	27
				TOTAL 0010	114	5,624	2,105	4.60	119	42	4	118	132

3

EROSION CONTROL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	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
0010	2+50	-	3+35	LT	25	---	---	---
0010	2+47	-	3+56	RT	35	---	---	---
0010	19+05	-	20+70	LT	42	---	---	---
0010	21+19	-	21+60	LT	12	---	---	---
0010	22+54	-	23+51	LT	40	---	---	---
0010	21+25	-	23+85	RT	117	---	---	---
0010	24+15	-	26+75	RT	85	---	---	---
0010	24+91		31+81	LT	170	---	---	---
0010	27+05	-	34+25	RT	225	---	---	---
0010	32+10	-	41+66	LT	292	---	---	---
0010	34+65	-	40+20	RT	142	---	---	---
0010	40+48	-	40+80	RT	64	---	---	---
0010	40+80	-		RT	---	---	---	3
0010	40+45	-	44+50	RT	---	1,038	30	---
0010	43+54	-		RT	---	---	---	8
0010	43+42	-	43+64	LT	---	433	20	---
0010	UNDISTRIBUTED				313	368	10	---
				TOTAL 0010	1,562	1,839	60	11

SILT FENCE

CATEGORY	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	27+60	-	27+75	LT	37	37
0010	27+90	-	28+23	LT	65	65
0010	22+50S	-	44+50	RT	580	580
	UNDISTRIBUTED				136	136
				TOTAL 0010	818	818

INLET PROTECTION

CATEGORY	STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH
0010	2+60	19.50' LT	---	1
0010	2+67	19.50' RT	---	1
0010	3+13	32.50' RT	1	---
0010	3+17	19.50' RT	---	1
0010	3+88	19.50' RT	---	1
0010	22+40	28.74' RT	1	---
0010	23+59	16.50' RT	---	1
0010	23+69	16.50' RT	---	1
0010	23+92	16.50' LT	---	1
0010	24+31	16.50' RT	---	1
0010	24+41	16.50' RT	---	1
0010	26+42	16.50' RT	---	1
0010	26+52	16.50' RT	---	1
0010	26+42	16.50' LT	---	1
0010	26+52	16.50' LT	---	1
0010	26+72	30.75' RT	---	1
0010	27+04	40.60' RT	---	1
0010	27+25	22.50' RT	---	1
0010	27+35	22.50' RT	---	1
0010	28+69	22.50' RT	---	1
0010	28+69	16.50' LT	---	1
0010	31+60	22.50' RT	---	1
0010	31+60	16.50' LT	---	1
0010	32+35	16.50' LT	---	1
0010	33+90	22.50' RT	---	1
0010	34+02	22.50' RT	---	1
0010	34+02	16.50' LT	---	1
0010	34+75	22.50' RT	---	1
0010	34+87	22.50' RT	---	1
0010	36+75	22.50' RT	---	1
0010	36+75	16.50' LT	---	1
0010	36+87	22.50' RT	---	1
0010	38+39	37.52' LT	1	---
0010	38+39	22.50' RT	---	1
0010	39+27	22.50' RT	---	1
0010	39+37	22.50' RT	---	1
0010	39+49	22.50' RT	---	1
0010	39+49	16.50' LT	---	1
0010	UNDISTRIBUTED		2	4
		TOTAL 0010	5	39

R/W MARKERS

CATEGORY	STATION	POINT	LOCATION	633.5100 MARKERS ROW EACH	SPV.0060.35 SPECIAL (35. LOCATE AND REFERENCE PROPERTY CORNERS) EACH	SPV.0060.36 SPECIAL (36. VERIFY AND RESET PROPERTY CORNERS) EACH
0010	43+22	218	33.16' LT	1	---	---
0010	43+42	219	50' LT	1	---	---
0010	43+66	220	50' LT	1	---	---
0010	43+86	221	33.14' LT	1	---	---
0010	40+66	119	154.40' RT	1	---	---
0010	40+90	120	50' RT	1	---	---
0010	41+66	121	50' RT	1	---	---
0010	43+00	122	50' RT	1	---	---
0010	43+25	123	58' RT	1	---	---
0010	43+75	124	58' RT	1	---	---
0010	44+50	125	32.93' RT	1	---	---
0010	19+03	---	30.25' RT	---	1	1
0010	20+68	---	33.39' LT	---	1	1
0010	3+31	---	31.85' LT	---	1	1
0010	2+94	---	33.81' RT	---	1	1
0010	22+65	---	25.38' RT	---	1	1
0010	24+24	---	24.91' RT	---	1	1
0010	24+99	---	26.05' LT	---	1	1
0010	26+10	---	25.67' LT	---	1	1
0010	27+91	---	25.64' LT	---	1	1
0010	28+13	---	25.92' LT	---	1	1
0010	28+93	---	25.53' LT	---	1	1
0010	29+83	---	25.62' LT	---	1	1
0010	31+65	---	25.78' LT	---	1	1
0010	35+44	---	26.86' LT	---	1	1
0010	39+41	---	23.52' RT	---	1	1
			TOTAL 0010	11	15	15

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	SIGN SIZE IN X IN			634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
0010	01-01	4+60	LT	R1-1	30	X	30	---	1	---	5.18	---	STOP
0010				R1-3P	18	X	6	---	---	---	1.5	---	ALL WAY
0010	01-02	4+58	RT	J13-2	48	X	45	---	1	---	15	---	CTH Y/CTH D DIRECTIONAL
0010	01-03	20+54	RT	R1-1	30	X	30	---	1	---	5.18	---	STOP
0010				R1-3P	18	X	6	---	---	---	1.5	---	ALL WAY
0010	01-04	4+64	LT	J13-2	48	X	45	---	1	---	15	---	CTH Y/CTH D DIRECTIONAL
0010	01-05	3+36	LT	W11-15	30	X	30	---	1	---	---	6.25	BICYCLE/PEDESTRIAN SYMBOL
0010				W16-7L	24	X	12	---	---	---	---	2	LEFT DIAGONAL ARROW
0010	01-07	3+40	RT	W11-15	30	X	30	---	1	---	---	6.25	BICYCLE/PEDESTRIAN SYMBOL
0010				W16-7L	24	X	12	---	---	---	---	2	LEFT DIAGONAL ARROW
0010	01-08	3+91	RT	R1-1	30	X	30	---	1	---	5.18	---	STOP
0010				R1-3P	18	X	6	---	---	---	1.5	---	ALL WAY
0010	01-09	3+91	RT	J13-2	48	X	45	---	1	---	15	---	CTH Y/CTH D DIRECTIONAL
0010	01-10	21+56	RT	W11-15	30	X	30	---	1	---	---	6.25	BICYCLE/PEDESTRIAN SYMBOL
0010				W16-7L	24	X	12	---	---	---	---	2	LEFT DIAGONAL ARROW
0010	01-11	21+56	RT	D1-2	48	X	24	---	---	---	8	---	LAMARTINE / WAUPUN
0010	01-13	21+29	LT	R1-1	30	X	30	---	1	---	5.18	---	STOP
0010				R1-3P	18	X	6	---	---	---	1.5	---	ALL WAY
0010	01-14	22+64	LT	W11-15	30	X	30	---	1	---	---	6.25	BICYCLE/PEDESTRIAN SYMBOL
0010				W16-7L	24	X	12	---	---	---	---	2	LEFT DIAGONAL ARROW
0010	01-15	24+17	RT	R1-1	30	X	30	---	1	---	5.18	---	STOP
0010	01-16	24+90	RT	S1-1	36	X	36	---	---	1	---	6.75	SCHOOL ZONE
0010				S16-9P	24	X	12	---	---	---	---	2	AHEAD
0010				R2-6P	24	X	18	---	---	---	3	---	FINES HIGHER
0010	02-01	25+22	LT	W3-1	36	X	36	---	1	---	---	9	STOP AHEAD
0010	02-02	26+56	RT	W11-2	30	X	30	---	1	---	---	6.25	PEDESTRIAN CROSSING
0010				W16-7L	24	X	12	---	---	---	---	2	LEFT DIAGONAL ARROW
0010	02-03	27+18	LT	W11-2	30	X	30	---	1	---	---	6.25	PEDESTRIAN CROSSING
0010				W16-7L	24	X	12	---	---	---	---	2	LEFT DIAGONAL ARROW
0010	02-04	27+06	RT	R1-1	30	X	30	---	1	---	5.18	---	STOP
0010	02-05	27+82	RT	S4-51	24	X	48	---	1	---	6.62	1.38	SCHOOL SPEED LIMIT
0010	02-06	30+00	RT	R2-1	24	X	30	---	1	---	5	---	25 MPH SPEED LIMIT
0010	02-07	31+76	LT	R1-1	30	X	30	---	1	---	5.18	---	STOP
0010	02-08	31+60	RT	W11-2	30	X	30	---	1	---	---	6.25	PEDESTRIAN CROSSING
0010				W16-7L	24	X	12	---	---	---	---	2	LEFT DIAGONAL ARROW
0010	02-09	32+32	LT	W11-2	30	X	30	---	1	---	---	6.25	PEDESTRIAN CROSSING
0010				W16-7L	24	X	12	---	---	---	---	2	LEFT DIAGONAL ARROW
0010	R2-10	33+81	RT	---				---	1	---	---	---	REINSTALL CROSSING SIGN
0010	02-11	33+98	LT	R2-1	24	X	30	---	1	---	5	---	25 MPH SPEED LIMIT
0010	R2-12	34+79	LT	---				---	1	---	---	---	REINSTALL CROSSING SIGN
0010	02-13	35+26	RT	R2-1	24	X	30	---	1	---	5	---	25 MPH SPEED LIMIT
0010	03-01	39+81	RT	S1-1	36	X	36	---	1	---	---	6.75	SCHOOL ZONE
0010				S16-7L	24	X	12	---	1	---	---	2	LEFT DIAGONAL ARROW
0010	03-02	40+00	RT	R9-2	12	X	18	---	---	---	---	1.5	CROSS ONLY AT XWALK
0010				R9-3BL	18	X	12	---	---	---	---	1.5	USE CROSSWALK
0010	03-03	40+05	LT	S1-1	36	X	36	---	1	---	---	6.75	SCHOOL ZONE
0010				S16-7L	24	X	12	---	---	---	---	2	LEFT DIAGONAL ARROW
0010	03-04	40+51	RT	R1-1	30	X	30	1	---	---	5.18	---	STOP
0010	03-05	41+30	LT	I2-3	60	X	24	1	---	---	---	10	OAKFIELD POPULATION
0010	04-01	42+12	LT	S4-51	24	X	48	---	1	---	6.62	1.38	SCHOOL SPEED LIMIT

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PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	SIGN SIZE IN X IN			634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	REMARKS
0010	04-02	43+78	LT	R2-1	24	X	30	1	---	---	5	---	25 MPH SPEED LIMIT
0010	04-03	43+75	RT	R2-1	24	X	30	1	---	---	5	---	55 MPH SPEED LIMIT
			TOTAL 0010					4	29	1	141.68	117.01	

REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	LOCATION	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	SPV.0060.34 SPECIAL (34. REMOVE AND REINSTALL SOLAR POWERED CROSSING ASSEMBLY) EACH	REMARKS
0010	R1-01	4+62	LT	---	2	1	---	---	STOP / 4 WAY
0010	R1-02	21+21	LT	---	4	1	---	---	CTH Y/CTH D DIRECTIONAL
0010	R1-03	20+65	RT	---	2	1	---	---	STOP / 4 WAY
0010	R1-04	20+73	RT	---	4	---	---	---	CTH Y/CTH D DIRECTIONAL
0010	R1-05	3+26	LT	---	2	1	---	---	BICYCLE/PEDESTRIAN SYMBOL / ARROW
0010	R1-06	3+15	RT	---	1	1	---	---	NO PARKING
0010	R1-07	3+47	RT	---	2	1	---	---	BICYCLE/PEDESTRIAN SYMBOL / ARROW
0010	---	3+70	RT	1	---	---	1	---	STOP - TRAIL SIGN
0010	R1-08	3+88	RT	---	2	1	---	---	STOP / 4 WAY
0010	R1-09	3+88	RT	---	4	1	---	---	CTH Y/CTH D DIRECTIONAL
0010	R1-10	21+52	RT	---	2	1	---	---	BICYCLE/PEDESTRIAN SYMBOL / ARROW
0010	R1-11	21+52	RT	---	1	---	---	---	LAMARTINE / WAUPUN
0010	R1-12	21+58	RT	---	1	1	---	---	NO PARKING
0010	R1-13	21+21	LT	---	2	1	---	---	STOP / 4 WAY
0010	R1-14	22+69	LT	---	2	1	---	---	BICYCLE/PEDESTRIAN SYMBOL / ARROW
0010	R1-15	24+17	RT	---	1	1	---	---	STOP
0010	R1-16	24+90	RT	---	2	---	---	---	SCHOOL ZONE / AHEAD
0010	R1-17	24+95	LT	---	1	---	---	---	STOP AHEAD
0010	R2-04	27+08	RT	---	1	1	---	---	STOP
0010	R2-05	27+82	RT	---	1	1	---	---	SCHOOL SPEED LIMIT
0010	R2-06	29+96	RT	---	1	1	---	---	25 MPH SPEED LIMIT
0010	R2-07	31+76	LT	---	1	1	---	---	STOP
0010	R2-10	33+75	RT	---	---	1	---	1	SCHOOL CROSSING / ARROW
0010	R2-11	34+06	LT	---	1	1	---	---	25 MPH SPEED LIMIT
0010	R2-12	34+75	LT	---	---	1	---	1	SCHOOL CROSSING / ARROW
0010	R2-13	35+26	RT	---	1	---	---	---	25 MPH SPEED LIMIT
0010	R3-03	40+51	RT	---	1	1	---	---	STOP
0010	R3-04	41+60	LT	---	1	1	---	---	OAKFIELD POPULATION
0010	R3-05	41+60	LT	---	1	---	---	---	PARKING REG.
0010	R4-01	42+09	LT	---	1	1	---	---	SCHOOL SPEED LIMIT
0010	R4-02	42+88	LT	---	1	1	---	---	25 MPH SPEED LIMIT
0010	R4-03	42+85	RT	---	1	1	---	---	55 MPH SPEED LIMIT
			TOTAL 0010	1	47	25	1	2	

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TRAFFIC CONTROL SIGNS

CATEGORY	LOCATION	DAYS	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	REMARKS
0010	21+25	86	1	86	R11-2
0010	N MAIN ST. (S OF CTY D)	163	3	489	W20-3A, W20-3C, W20-3D
0010	N MAIN ST. (N OF CTY D)	163	3	489	W20-3A, W20-3C, W20-3D
0010	45+00	163	1	163	R11-2
0010	END OF PROJECT	163	4	652	W20-3A, R11-3, W20-3C, W20-3D
0010	N FIRST ST.	163	3	489	R11-4, W20-3D, W20-3A
0010	N SECOND ST.	163	3	489	R11-4, W20-3D, W20-3A
0010	STEINER DR.	163	3	489	R11-4, W20-3D, W20-3A
0010	N SCHOOL ST.	163	3	489	R11-4, W20-3D, W20-3A
0010	W. CHURCH ST.	86	3	258	R11-4, W20-3D, W20-3A
0010	2+00	77	1	77	R11-2
0010	5+00	77	1	77	R11-2
0010	W CHURCH ST.	77	3	231	W20-3A, W20-3C, W20-3D
0010	19+00	77	1	77	R11-2
0010	UNDISTRIBUTED	163	20	3,260	PEDESTRIAN SIGNING
0010	UNDISTRIBUTED	163	6	978	TRAIL SIGNS
		TOTAL 0010		8,793	

TRAFFIC CONTROL ITEMS

CATEGORY	STATION	DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0410 TRAFFIC CONTROL BARRICADES TYPE II EACH	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	REMARKS
0010	45+00	163	---	---	---	---	5	815	2	326	ROAD CLOSED
0010	END OF PROJECT	163	---	---	---	---	3	489	4	652	ROAD CLOSED
0010	N MAIN ST. (S OF CTY D)	163	---	---	---	---	2	326	2	326	ROAD CLOSED
0010	N MAIN ST. (N OF CTY D)	163	---	---	---	---	2	326	2	326	ROAD CLOSED
0010	N FIRST ST.	163	---	---	---	---	2	326	2	326	ROAD CLOSED
0010	N SECOND ST.	163	---	---	---	---	2	326	2	326	ROAD CLOSED
0010	STEINER DR.	163	---	---	---	---	2	326	2	326	ROAD CLOSED
0010	N SCHOOL ST.	163	---	---	---	---	2	326	2	326	ROAD CLOSED
0010	2+00	163	---	---	---	---	5	815	2	326	ROAD CLOSED
0010	5+00	163	---	---	---	---	5	815	2	326	ROAD CLOSED
0010	W CHURCH ST.	163	---	---	---	---	2	326	2	326	ROAD CLOSED
0010	19+00	163	---	---	---	---	5	815	2	326	ROAD CLOSED
0010	UNDISTRIBUTED	163	40	6,520	25	4075	10	1630	24	3912	PEDESTRIAN ACCOMMODATIONS
0010	WGST	163	4	652	4	652	---	---	4	652	TRAIL
		TOTAL 0010		7,172		4,727		7,661		8,802	

SEE SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
SEE SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

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TEMPORARY PEDESTRIAN ACCESS

CATEGORY	STATION	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1420 TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	REMARKS
0010	ACROSS N FIRST ST.	144	144	144	77	---	CROSSWALK
0010	ACROSS CTY D AT FIRST ST.	204	204	204	77	---	CROSSWALK
0010	ACROSS SECOND ST.	144	144	144	77	---	CROSSWALK
0010	ACROSS STEINER DR.	144	144	144	86	---	CROSSWALK
0010	ACROSS CTY D AT THE SCHOOL DRIVEWAY	204	204	204	86	---	CROSSWALK
0010	ACROSS N MAIN ST.	204	204	204	77	---	CROSSWALK
0010	ACROSS CTY D AT N MAIN ST.	144	144	144	77	---	CROSSWALK
0010	UNDISTRIBUTED	---	576	---	---	500	
		1,188	1,764	1,188	557	500	

NOTE: SEE SDD "TRAFFIC CONTROL PEDESTRIAN ACCOMMODATION" AND AS LISTED IN THE "TRAFFIC" SPECIAL PROVISION.

PAVEMENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	REMARKS
0010	2+47	-	4+02	CL NO PASSING	310	---	---	YELLOW
0010	4+05	-	---	CROSSWALK	---	87	---	
0010	4+50	-	---	CROSSWALK	---	81	---	
0010	4+53	-	4+85	CL NO PASSING	64	---	---	
0010	20+70	-	---	CROSSWALK	---	69	---	
0010	21+19	-	---	CROSSWALK	---	66	---	
0010	21+22	-	24+00	CL NO PASSING	556	---	---	YELLOW
0010	24+00	-	---	CROSSWALK RT	---	57	---	
0010	24+00	-	26+62	CL EB PASSING	328	---	---	YELLOW
0010	26+62	-	43+75	CL PASSING	429	---	---	YELLOW SKIPS
0010	26+64	-	---	CROSSWALK	---	61	---	
0010	26+88	-	---	CROSSWALK RT	---	62	---	
0010	27+12	-	---	CROSSWALK	---	73	---	
0010	31+68	-	---	CROSSWALK	---	73	---	
0010	32+00	-	---	CROSSWALK LT	---	78	---	
0010	34+10	-	---	CROSSWALK	---	72	---	
0010	39+93	-	---	CROSSWALK	---	72	---	
0010	36+08	-	36+48	CURB	---	---	40	
0010	UNDISTRIBUTED		---	CURB	---	---	100	
				TOTAL 0010	1,687	851	140	

CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9910.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (01. 3876-05-71) LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	2+26	-	4+13	CTH Y	187	---	---	187
0010	4+43	-	4+85	CTH Y	42	---	---	42
0010	19+05	-	41+66	CTH D	2,261	---	1	2,261
0010	41+66	-	44+50	CTH D	---	285	---	285
0010	21+92S	-	24+34S	N SCHOOL DITCH	---	---	---	242
0010	8+54N	-	10+52N	N DITCH	---	---	---	198
0010	10+00C	-	10+30C	SS CHANNEL	---	---	---	30
				TOTAL 0010	2,490	285	1	3,245

SAWING

CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	2+26	-	2+47	LT & RT	---	74	ROADWAY
0010	2+74	-	2+92	RT	---	18	DRIVEWAY
0010	3+12	-	---	RT	---	6	SIDEWALK
0010	3+37	-	3+88	LT	55	---	DRIVEWAY
0010	4+60	-	4+85	RT	---	29	SIDEWALK
0010	4+85	-	---	LT & RT	42	4	ROADWAY
0010	19+05	-	---	LT & RT	43	8	ROADWAY
0010	19+10	-	20+61	RT	158	---	DRIVEWAY
0010	19+38	-	---	LT	26	---	DRIVEWAY
0010	19+78	-	---	LT	---	3	SIDEWALK
0010	20+15	-	---	LT	---	5	SIDEWALK
0010	21+44	-	---	LT	8	---	SIDEWALK
0010	21+60	-	22+40	LT	73	7	DRIVEWAY
0010	22+38	-	---	RT	---	6	SIDEWALK
0010	22+97	-	---	RT	---	4	SIDEWALK
0010	23+98	-	---	RT	32	---	ROADWAY
0010	23+51	-	24+91	LT	---	144	DRIVEWAY
0010	24+57	-	---	RT	---	18	DRIVEWAY
0010	25+07	-	---	LT	---	12	DRIVEWAY
0010	25+47	-	---	LT	---	5	SIDEWALK
0010	25+96	-	---	RT	---	4	SIDEWALK
0010	26+25	-	---	LT	12	---	DRIVEWAY
0010	26+45	-	---	LT	---	4	SIDEWALK
0010	26+65	-	---	RT	---	4	SIDEWALK
0010	26+87	-	---	RT	30	3	ROADWAY
0010	27+11	-	---	RT	---	4	SIDEWALK
0010	28+30	-	---	LT	16	---	DRIVEWAY
0010	29+11	-	---	LT	---	25	DRIVEWAY
0010	30+55	-	---	LT	---	20	DRIVEWAY
0010	31+67	-	---	LT	---	4	SIDEWALK
0010	31+95	-	---	LT	27	---	ROADWAY
0010	33+54	-	---	LT	17	---	DRIVEWAY
0010	34+44	-	---	RT	27	18	DRIVEWAY
0010	36+45	-	---	LT	---	4	SIDEWALK
0010	40+34	-	---	RT	28	---	ROADWAY
0010	40+51	-	---	LT	11	---	DRIVEWAY
0010	43+75	-	---	LT & RT	28	---	ROADWAY
				TOTAL 0010	633	433	

CONTAMINATED SOIL

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0195.01 SPECIAL (01. EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL) TON
0010	23+50	-	24+00	RT	200
				TOTAL 0010	200

CHAIN LINK FENCE

CATEGORY	STATION	TO	STATION	LOCATION	SPV.0060.33 SPECIAL (33. GATES CHAIN LINK 3-FT POLYMER COATED) EACH	SPV.0090.10 SPECIAL (10. FENCE CHAIN LINK POLYMER COATED 5-FT) LF
0010	27+15	-	34+20	RT	---	710
0010	28+95	-	---	RT	1	---
0010	31+70	-	---	RT	1	---
				TOTAL 0010	2	710

REMOVE EXISTING SANITARY STRUCTURE

CATEGORY	STATION	LOCATION	SPV.0060.01 REMOVE EX MANHOLE EACH	SPV.0060.02 REMOVE EX CLEANOUT EACH	COMMENTS
0020	19+53	3.67 LT	1	-	SAME TRENCH AS NEW SANITARY
	20+88	3.02 RT	-	1	
	23+05	15.55 LT	1	-	BULKHEAD PIPES OUT OF MANHOLE
	23+98	15.50 LT	1	-	BULKHEAD PIPES OUT OF MANHOLE
	26+90	15.22 LT	1	-	BULKHEAD PIPES OUT OF MANHOLE
	29+50	14.78 LT	1	-	BULKHEAD PIPES OUT OF MANHOLE
	31+90	14.43 LT	1	-	BULKHEAD PIPES OUT OF MANHOLE
	36+09	16.30 LT	1	-	BULKHEAD PIPES OUT OF MANHOLE
	37+16	18.78 LT	1	-	BULKHEAD PIPES OUT OF MANHOLE
	40+97	19.85 LT	1	-	BULKHEAD PIPE OUT OF MANHOLE
TOTAL PROJECT 3876-05-71			9	1	

ADJUST EXISTING SANITARY STRUCTURE

CATEGORY	STATION	LOCATION	SPV 0060.05 ADJUST EX MANHOLE EACH
0020	2+62	29.02 LT	1
	2+94	25.35 RT	1
	20+89	2.51 LT	1
	20+90	20.11 LT	1
TOTAL PROJECT 3876-05-71			4

SANITARY SEWER

CATEGORY	STATION	LOCATION	SPV.0060.08 SANITARY MANHOLE EACH	SPV.0060.09 SANITARY DROP MANHOLE EACH	SPV.0060.10 SANITARY MANHOLE COVER TYPE J EACH	SPV.0060.11 SANITARY SEWER CAP-15 INCH EACH	SPV.0060.12 CONNTECT TO EXISTING SANITARY SEWER EACH
0020	2+52.6	0.0 RT	-	-	-	1	-
	2+61.7	29.0 LT	-	-	-	-	1
	2+94.7	0.0 RT	1	-	1	-	-
	2+94.7	25.4 RT	-	-	-	-	1
	4+30.6	6.4 LT	-	-	-	-	1
	19+10.0	3.6 LT	-	-	-	-	1
	19+53.3	3.7 LT	1	-	1	-	-
	21+15.6	2.5 LT	-	-	-	-	1
	23+97.5	1.0 LT	-	1	1	-	-
	23+97.1	26.5 RT	-	-	-	-	1
	26+90.1	1.0 LT	1	-	1	-	-
	26+89.5	27.6 RT	1	-	1	-	-
	26+89.4	30.4 RT	-	-	-	-	1
	29+50.0	1.0 LT	1	-	1	-	-
	31+89.3	1.0 LT	-	1	1	-	-
	31+90.1	41.0 LT	-	-	-	-	1
	35+00.0	1.0 LT	1	-	1	-	-
	38+00.0	1.0 LT	1	-	1	-	-
	40+96.5	1.0 LT	1	-	1	-	-
	41+01.5	1.0 LT	-	-	-	1	-
TOTAL PROJECT 3876-05-71			8	2	10	2	8

SANITARY SEWER PIPE

CATEGORY	STATION	TO STATION	LOCATION	SPV.0090.04 SANITARY SEWER PIPE 8-INCH LF	SPV.0090.05 SANITARY SEWER PIPE 15-INCH LF	SPV.0090.06 SANITARY SEWER TELEVISING LF
0020	2+53	2+95	LT	-	42	42
	2+62	2+95	RT	44	-	44
	2+95	2+95	RT	25	-	25
	2+79	4+28	LT	-	136	136
	19+10	19+53	LT	43	-	43
	21+15	23+98	LT	-	282	282
	23+98	23+97	RT	28	-	28
	23+98	26+90	LT	-	293	293
	26+90	26+90	RT	-	29	29
	26+90	29+50	LT	-	260	260
	29+50	31+89	LT	-	239	239
	31+89	31+90	LT	40	-	40
	31+89	35+00	LT	-	311	311
	35+00	38+00	LT	-	300	300
	38+00	40+96	LT	-	296	296
	40+96	41+01	LT	-	5	5
		UNDISTRIBUTED		20	57	77
		TOTAL PROJECT 3876-05-71		200	2250	2450

ALL ITEMS ARE CATEGORY 0020

REMOVE EXISTING WATER STRUCTURE

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	SPV.0060.03 REMOVE EX VALVE BOX EACH	SPV.0060.04 REMOVE EX HYDRANT EACH
0020	20+64	6.1	RT.	1	-
	23+86	22.7	RT.	1	-
	23+77	27.2	RT.	1	-
	23+77	27.0	RT.	-	1
	32+13	18.5	LT.	1	-
	32+35	20.6	LT.	-	1
	32+35	17.0	LT.	1	-
	32+44	10.5	LT.	1	-
	34+30	8.7	LT.	1	-
	36+28	20.6	LT.	-	1
	36+46	10.6	LT.	1	-
	41+02	21.1	LT.	-	1
TOTAL PROJECT 3876-05-71				8	4

ADJUST EXISTING WATER STRUCTURE

CATEGORY	STATION	OFFSET DIST.	OFFSET DIR.	SPV 0060.06 ADJUST EX VALVE BOX EACH	SPV 0060.07 ADJUST EX CURB STOP BOX EACH
0020	19+74	18.0	LT.	-	1
	21+02	11.0	LT.	1	-
	21+07	8.0	LT.	1	-
	21+07	14.0	LT.	1	-
	21+11	11.0	LT.	1	-
	21+53	18.0	LT.	-	1
	23+87	8.0	LT.	1	-
	23+96	11.0	LT.	1	-
	24+64	19.5	LT.	-	1
	25+19	20.5	LT.	-	1
	26+60	19.0	LT.	-	1
	26+76	39.0	RT.	1	-
	26+84	11.0	LT.	1	-
TOTAL PROJECT 3876-05-71				8	5

WATER MAIN PIPE

CATEGORY	STATION	LOCATION	TO STATION	LOCATION	SPV.0090.07 PVC WATER MAIN 6-INCH LF	SPV.0090.08 PVC WATER MAIN 8-INCH LF	SPV.0090.09 PVC WATER MAIN 12-INCH LF	COMMENTS
0020	2+52.6	13.6 LT	2+55.6	13.6 LT	-	3	-	
	2+55.6	13.6 LT	2+81.1	12.0 RT	-	36	-	
	2+81.1	12.0 RT	3+80.5	12.0 RT	-	99	-	
	23+87.2	8.0 LT	23+86.1	31.3 RT	-	39	-	
	23+86.1	31.3 RT	23+86.1	34.3 RT	-	3	-	
	23+76.8	31.3 RT	23+86.1	31.3 RT	9	-	-	HYDRANT LEAD
	26+84.0	11.0 LT	28+00.0	11.0 LT	-	-	116	
	28+00.0	11.0 LT	32+12.6	11.0 LT	-	-	413	
	32+12.6	11.0 LT	32+12.6	38.0 LT	-	27	-	
	32+12.6	38.0 LT	32+12.6	41.0 LT	-	3	-	
	32+12.6	38.0 LT	32+22.2	38.0 LT	9	-	-	HYDRANT LEAD
	32+12.6	11.0 LT	36+34.0	11.0 LT	-	-	423	
	36+34.0	11.0 LT	36+34.0	19.5 LT	9	-	-	HYDRANT LEAD
	36+34.0	11.0 LT	40+23.0	11.0 LT	-	-	387	
	40+23.0	11.0 LT	41+27.0	11.0 LT	-	-	104	
	41+27.0	11.0 LT	41+27.0	19.5 LT	20	-	-	HYDRANT LEAD
	41+27.0	11.0 LT	41+32.0	11.0 LT	-	-	5	
				UNDISTRIBUTED	3	40	52	
			TOTAL PROJECT 3876-05-71		50	250	1500	

WATER APPURTENANCES SUMMARY

CATEGORY	STATION	OFFSET DIR.	SPV.0060.13 WATER VALVE & BOX 6-INCH EACH	SPV.0060.14 WATER VALVE & BOX 8-INCH EACH	SPV.0060.15 WATER VALVE & BOX 12-INCH EACH	SPV.0060.16 FIRE HYDRANT EACH	SPV.0060.17 TEES 8X6X8 EACH	SPV.0060.18 TEES 12X6X12 EACH	SPV.0060.19 TEES 12X8X12 EACH	SPV.0060.20 BEND 45-DEG. 8-INCH EACH	SPV.0060.21 REDUCER 8X6 EACH	SPV.0060.22 CAP 6-INCH EACH	SPV.0060.23 CAP 12-INCH EACH	SPV.0060.24 CONNECT TO EXISTING WATERMAIN EACH
0020	2+81.1	12.0 RT	-	-	-	-	-	-	-	1	-	-	-	-
	2+55.6	13.6 RT	-	-	-	-	-	-	-	1	-	-	-	-
	2+52.6	13.6 LT	-	-	-	-	-	-	-	-	1	-	-	-
	3+80.5	12.0' RT	-	-	-	-	-	-	-	-	-	1	-	1
	23+87.0	8.0 LT	-	-	-	-	-	-	-	-	-	-	-	1
	23+76.8	31.3 RT	-	-	-	1	-	-	-	-	-	-	-	-
	23+79.8	31.3 RT	1	-	-	-	-	-	-	-	-	-	-	-
	23+86.1	31.3 RT	-	-	-	-	1	-	-	-	-	-	-	-
	23+86.1	34.3 RT	-	-	-	-	-	-	-	-	-	-	-	1
	26+84.0	11.0 LT	-	-	-	-	-	-	-	-	-	-	-	1
	32+12.6	11.0 LT	-	-	-	-	-	-	1	-	-	-	-	-
	32+15.6	11.0 LT	-	-	1	-	-	-	-	-	-	-	-	-
	32+12.6	14.0 LT	-	1	-	-	-	-	-	-	-	-	-	-
	32+12.6	38.0 LT	-	-	-	-	1	-	-	-	-	-	-	-
	32+12.6	41.0 LT	-	-	-	-	-	-	-	-	1	-	-	1
	32+19.2	38.0 LT	1	-	-	-	-	-	-	-	-	-	-	-
	32+22.2	38.0 LT	-	-	-	1	-	-	-	-	-	-	-	-
	36+34.0	11.0 LT	-	-	-	-	-	1	-	-	-	-	-	-
	36+37.0	11.0 LT	-	-	1	-	-	-	-	-	-	-	-	-
	36+34.0	13.5 LT	1	-	-	-	-	-	-	-	-	-	-	-
	36+34.0	19.5 LT	-	-	-	1	-	-	-	-	-	-	-	-
	41+24.0	11.0 LT	-	-	1	-	-	-	-	-	-	-	-	-
	41+27.0	11.0 LT	-	-	-	-	-	1	-	-	-	-	-	-
	41+27.0	27.5' LT	1	-	-	-	-	-	-	-	-	-	-	-
	41+27.0	30.5' LT	-	-	-	1	-	-	-	-	-	-	-	-
	41+32.0	11.0' LT	-	-	-	-	-	-	-	-	-	-	1	-
TOTAL PROJECT 3876-05-71			4	1	3	4	2	2	1	2	2	1	1	5

SANITARY LATERAL AND WATER SERVICE

CATEGORY	STATION	LOCATION	SPV.0060.25 SANITARY WYE 15-INCH MAIN EACH	SPV.0060.26 SANITARY WYE 8-INCH MAIN EACH	SPV.0090.01 SANITARY LATERAL 6-INCH LF	SPV.0060.27 SANITARY LATERAL RECONNECTION EACH	SPV.0090.02 SANITARY LATERAL (PIPE BURSTING) LF	SPV.0060.28 SANITARY SERVICE CONNECTION INTERIOR TO BUILDING UNDER BASEMENT FLOOR EACH	SPV.0060.29 SANITARY SERVICE CONNECTION INTERIOR TO BUILDING THRU BASEMENT WALL EACH	SPV.0060.30 SANITARY SERVICE CONNECTION EXTERIOR TO BUILDING EACH	SPV.0090.03 WATER SERVICE 1 TO 2-INCH LF	SPV.0060.31 CORPORATION, CURB STOP & BOX (SET) EACH	SPV.0060.32 WATER SERVICE RECONNECTION EACH	SPV.0105.01 TEMPORARY WATER SERVICE LS
0020	3+67	LT	-	-	-	-	-	-	-	-	41	1	1	-
	19+46	LT	-	1	30	1	-	-	-	-	-	-	-	-
	23+93	LT	1	-	26	1	-	-	-	-	-	-	-	-
	24+61	LT	1	-	25	1	-	-	-	-	-	-	-	-
	25+22	LT	1	-	25	1	-	-	-	-	-	-	-	-
	26+58	LT	1	-	25	1	-	-	-	-	-	-	-	-
	28+38	LT	1	-	25	1	-	-	-	-	-	-	-	-
	28+53	LT	-	-	-	-	-	-	-	-	15	1	1	-
	29+50	LT	1	-	25	1	-	-	-	-	-	-	-	-
	29+51	LT	-	-	-	-	-	-	-	-	15	1	1	-
	30+24	LT	1	-	25	1	-	-	-	-	-	-	-	-
	30+26	LT	-	-	-	-	-	-	-	-	15	1	1	-
	31+14	LT	-	-	-	-	-	-	-	-	15	1	1	-
	31+16	LT	1	-	25	1	-	-	-	-	-	-	-	-
	32+93	LT	1	-	25	1	-	-	-	-	-	-	-	-
	33+03	LT	-	-	-	-	-	-	-	-	15	1	1	-
	34+23	LT	1	-	25	1	-	-	-	-	-	-	-	-
	34+26	LT	-	-	-	-	-	-	-	-	15	1	1	-
	35+23	LT	1	-	25	1	-	-	-	-	-	-	-	-
	35+25	LT	-	-	-	-	-	-	-	-	15	1	1	-
	35+54	LT	-	-	-	-	-	-	-	-	15	1	1	-
	35+56	LT	1	-	25	1	-	-	-	-	-	-	-	-
	36+09	RT	1	-	33	1	-	-	-	-	-	-	-	-
	36+22	LT	-	-	-	-	-	-	-	-	15	1	1	-
	36+68	LT	1	-	25	1	-	-	-	-	-	-	-	-
	40+93	LT	1	-	33	1	-	-	-	-	-	-	-	-
	40+94	LT	-	-	-	-	-	-	-	-	23	1	1	-
	UNDISTRIBUTED		-	-	28	-	750	5	5	6	21	-	-	1
TOTAL PROJECT 3876-05-71			15	1	450	16	750	5	5	6	220	11	11	1

ALL ITEMS ARE CATEGORY 0020

CONVENTIONAL SYMBOLS

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

PARCEL NUMBER 25
UTILITY NUMBER 40
SECTION CORNER
NOTATION FOR COMBUSTABLE FLUIDS — CAUTION
NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES — CAUTION
R/W MONUMENT
NON-MONUMENTED R/W POINT
FOUND IRON PIN IP
VALVE (GAS, WATER, ETC.) (TYPE)
SIGN SIGN
OFF-PREMISE SIGN 81-25 SIGN

ACCESS CONTROLLED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
NATIONAL GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

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

	NON-COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		

CONVENTIONAL ABBREVIATIONS

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

BEGIN RELOCATION ORDER
STA 19+00.00
1,503.29' WEST OF AND 1,331.83' SOUTH OF THE NORTHEAST CORNER OF SEC. 14, T-14-N, R-16-E

END RELOCATION ORDER
STA 44+50.00
1,046.42' EAST OF AND 1,295.79' SOUTH OF THE NORTHWEST CORNER OF SEC. 13, T-14-N, R-16-E

LAYOUT
SCALE 0 — 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.483 MILES

R/W PROJECT NUMBER 3876-05-00	SHEET NUMBER	TOTAL SHEETS
R/W PROJECT NUMBER 3876-05-00	4.01	7

PLAT OF RIGHT OF WAY REQUIRED FOR

VILLAGE OF OAKFIELD, CTH D
CTH Y - NORTH SCHOOL STREET

CTH D	FOND DU LAC COUNTY

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), FOND DU LAC COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND ARE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

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

EXISTING HIGHWAY RIGHT-OF-WAY ESTABLISHED FROM THE VILLAGE OF OAKFIELD PLAT, BUTLER'S ADDITION, PUTNAM & WHITE ADDITION, REPLAT WHITE & HUBBARD'S, CERTIFIED SURVEY MAPS, AND PREVIOUS ROADWAY RECORDS.

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

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

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE 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 DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

ACCEPTED FOR
FOND DU LAC COUNTY

DATE: 6/11/2020 (Highway Commissioner)

ORIGINAL PLAT PREPARED BY

MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1230 SOUTH BOULEVARD, BARABOO, WI 53913
(608) 356-2771 www.msa-ps.com
© MSA Professional Services, Inc

WISCONSIN
KEVIN C. LORD
S-2645
MADISON, WIS.
LAND SURVEYOR

DATE: 6-10-2020 (Registered Land Surveyor)

REVISION DATE 10-22-2019 N.C
06-10-2020 N.C

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
4	4.04	OAKFIELD ELEVATOR CO	FEE & TLE	0.01 AC	---	0.01 AC	0.03 AC	---
6	4.04	WISCONSIN DNR	PLE & TLE	---	---	---	0.08 AC	0.01 AC
7	4.04	GENE A KOLLMAN REVOCABLE TRUST & SHARON K KOLLMAN REVOCABLE TRUST	TLE	---	---	---	0.01 AC	---
8	4.04	TIMOTHY L & MARY R GALLITZ	TLE	---	---	---	0.01 AC	---
9	4.04	BILLY A & ANGELA M LIVINGSTON	FEE & TLE	0.01 AC	---	0.01 AC	0.02 AC	---
11	4.04 & 4.05	VILLAGE OF OAKFIELD	FEE, PLE, & TLE	0.01 AC	0.01 AC	0.02 AC	0.04 AC	0.01 AC
12	4.04	OAKFIELD ENTERPRISE INC	TLE	---	---	---	0.01 AC	---
13	4.04	WILLIAM F SCHAEFER	FEE & TLE	0.01 AC	---	0.01 AC	0.02 AC	---
14	4.04	ROSALIE M ZIMMERMAN	TLE	---	---	---	0.02 AC	---
16	4.04	GB MINIMART LLC	FEE & TLE	---	0.06 AC	0.06 AC	0.02 AC	---
17	4.04	CHRISTOPHER C & KERRI A FEAVEL	FEE & TLE	0.01 AC	---	0.01 AC	0.03 AC	---
18	4.04 & 4.05	CLAIR ZIMMERMAN & ROSALIE ZIMMERMAN	FEE & TLE	---	0.06 AC	0.06 AC	0.02 AC	---
19	4.04 & 4.05	DOUGLAS D & LEANN K WETTSTEIN	FEE & TLE	0.01 AC	---	0.01 AC	0.02 AC	---
21	4.05	DEBRA A WILLISTON	FEE & TLE	---	0.11 AC	0.11 AC	0.03 AC	---
22	4.05	JOEL SANKEY & MARY STANKEY	TLE	---	---	---	0.03 AC	---
23	4.05	BROOKE A HAEN	FEE & TLE	---	0.05 AC	0.05 AC	0.01 AC	---
24	4.05	RICHARD O & JULIE E FRANKE	FEE & TLE	---	0.05 AC	0.05 AC	0.02 AC	---
26	4.05 & 4.06	VILLAGE OF OAKFIELD	FEE & TLE	0.12 AC	---	0.12 AC	0.13 AC	---
27	4.05	SHAWN WENDT	FEE & TLE	---	0.05 AC	0.05 AC	0.01 AC	---
28	4.05 & 4.06	ALAN R & SHANNON M KAMENSKI	TLE	---	---	---	0.04 AC	---
29	4.06	ETHAN J KINTZLER	TLE	---	---	---	0.01 AC	---
31	4.06	OAKFIELD ACRES RENTAL PROPERTIES LLC	TLE	---	---	---	0.02 AC	---
32	4.06 & 4.07	ERICH M & SARAH L SCHARF	FEE & TLE	0.01 AC	---	0.01 AC	0.07 AC	---
33	4.06 & 4.07	JOINT SCHOOL DIST #1	FEE & TLE	0.10 AC	---	0.10 AC	0.10 AC	---
34	4.07	OAKFIELD SCHOOL DISTRICT	FEE & TLE	0.01 AC	---	0.01 AC	0.01 AC	---
36	4.07	SCHARF LIMITED LLC	TLE	---	---	---	0.01 AC	---
37	4.07	OAKFIELD ACRES LLC	FEE & TLE	0.18 AC	0.29 AC	0.47 AC	0.14 AC	---
38	4.07	SCHARF LIMITED LLC	FEE, PLE, & TLE	0.02 AC	0.22 AC	0.24 AC	0.18 AC	0.12 AC
50	4.04	AT&T	RELEASE OF RIGHTS	---	---	---	---	---
51	4.04 - 4.07	ALLIANT ENERGY - ELECTRIC	RELEASE OF RIGHTS	---	---	---	---	---
52	4.05	ALLIANT ENERGY - GAS	RELEASE OF RIGHTS	---	---	---	---	---
53	4.06 & 4.07	FRONTIER	RELEASE OF RIGHTS	---	---	---	---	---

4

REVISION DATE	10-22-2019	06-10-2020		DATE AUGUST 14, 2019	SCALE, FEET 0 N/A	HWY: CTH D	STATE R/W PROJECT NUMBER 3876-05-00	PLAT SHEET 4.02	
						COUNTY: FOND DU LAC	CONSTRUCTION PROJECT NUMBER 3876-05-71	PS&E SHEET	E

NW-NE

NE-NE

VILLAGE

NW-NW

TOWN

4

4

GN

T 14 N
R 11 12 E
14 13
16

CTH Y/N MAIN STREET

WILD GOOSE STATE TRAIL

STEINER DRIVE

VILLAGE OF OAKFIELD
TOWN OF OAKFIELD

BP: 18+00.00

EP: 5+54.90

PI: 22+13.09

PI: 26+52.64

PI: 40+22.79

PI: 41+66.13

EP: 46+21.62

W CHURCH STREET

CTH D/E CHURCH STREET

CTH D

N FIRST STREET

N SECOND STREET

N SCHOOL STREET

BP: 2+00.00

OF

OF

END RELOCATION ORDER
STA 44+50.00

BEGIN RELOCATION ORDER
STA 19+00.00

SW-NE

SE-NE

OAKFIELD

SW-NW

OAKFIELD

REVISION DATE 10-22-2019 N.C. 06-10-2020 N.C.	DATE AUGUST 14, 2019	SCALE, FEET 0 100 200	HWY: CTH D	STATE R/W PROJECT NUMBER 3876-05-00	PLAT SHEET 4.03
			COUNTY: FOND DU LAC	CONSTRUCTION PROJECT NUMBER 3876-05-71	PS&E SHEET 82

FILE NAME : 040101-RP.DWG
LAYOUT NAME - 040103-rp

PLOT DATE : 6/10/2020 3:06 PM PLOT BY : BRAD TISDALE PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 75

NOTE:
CTH Y/N MAIN STREET RIGHT OF BOUNDARIES DEFINED BY A DOCUMENT TITLED "RECORD OF A ROAD FROM THE MILITARY ROAD PAST TOWNSEND'S AND HAZEN'S", DATED JUNE 19TH, 1844.

PLE POINT COORDINATES		
PT. NO.	Y	X
500	352,357.15	790,474.98
501	352,359.04	790,476.83
502	352,359.73	790,564.84
503	352,359.86	790,573.83
504	352,351.87	790,573.95
505	352,352.01	790,583.95

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
500 - 501	N44° 17' 46"E	2.64'
501 - 502	N89° 33' 01"E	88.02'
502 - 503	N89° 10' 13"E	8.99'
503 - 504	S00° 49' 47"E	8.00'
504 - 505	N89° 10' 13"E	10.00'
505 - 107	N44° 10' 13"E	11.31'

PI STA = 2+00.00
Y = 352,156.765
X = 790,441.262

PI STA = 22+23.09
Y = 352,385.733
X = 790,564.551

PI STA = 5+54.90
Y = 352,511.619
X = 790,435.330

1" IRON PIPE W/CAP
Y = 353,715.030
X = 791,744.760
(OBSERVED)

S44°-24'-52"W 1,825.55' FROM MON. TO R/W
S41°-38'-00"W 1,177.62' FROM MON. TO RL

N49°-35'-33"W 1,689.42' FROM MON. TO R/W

BERNTSEN MONUMENT
Y = 351,082.182
X = 791,759.569
(OBSERVED)

BUTLER'S ADDITION BLOCK 1
NW-NE 14-14-16
VILLAGE
NE-NE 14-14-16
SW-NE 14-14-16
SE-NE 14-14-16
PUTNAM & WHITE ADDITION BLOCK 1
REPLAT WHITE & HUBBARD'S BLOCK 1
REPLAT WHITE & HUBBARD'S BLOCK 6
OAKFIELD

MARIE L UTTENDORFER
JAMES J & KANDACE K ERDMANN
DENNIS G & LISA M PAULIOT
OAKFIELD ENTERPRISE INC.
WI DNR
ROSALIE M ZIMMERMAN
GB MINIMART LLC
BLD
CSM 2508 LOT 1 V 13, P 80 DOC 360828
CLAIR ZIMMERMAN & ROSALIE ZIMMERMAN
CSM 2508 LOT 2 V 13, P 80 DOC 360828
ALLIANT ENERGY ELECTRIC
OAKFIELD ELEVATOR CO
GENE A KOLLMAN REVOCABLE TRUST & SHARON K KOLLMAN REVOCABLE TRUST
TIMOTHY L & MARY R GALLITZ
BILLY A & ANGELA M LIVINGSTON
WILLIAM F SCHAEFER
CHRISTOPHER C & KERRI A FEAVEL
DOUGLAS D & LEANN K WETTSTEIN

CTH Y/N MAIN STREET
CTH D/E CHURCH STREET
W CHURCH STREET
N FIRST STREET
WILD GOOSE STATE TRAIL
16TH LINE
SECTION LINE
MATCH LINE STA 26+00

BEGIN RELOCATION ORDER
STA 19+00.00
Y = 352,383.196
X = 790,241.467

BP: 2+00.00

R/W POINT COORDINATES		
PT. NO.	Y	X
100	352,350.77	790,241.72
101	352,352.35	790,405.25
102	352,348.80	790,408.89
103	352,176.20	790,407.14
104	352,177.30	790,473.15
105	352,361.14	790,475.02
106	352,362.60	790,591.80
107	352,360.12	790,591.83
108	352,361.92	790,715.70
109	352,362.64	790,765.71
200	352,416.77	790,241.20
201	352,418.31	790,401.13
208	352,411.05	790,467.16

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
100 - 101	N89° 26' 47"E	163.54'
101 - 102	S45° 42' 14"E	5.09'
102 - 103	S00° 34' 58"W	172.61'
104 - 500	N00° 34' 58"E	179.86'
500 - 105	N00° 34' 58"E	3.99'
105 - 106	N89° 17' 03"E	116.78'
106 - 107	S00° 49' 47"E	2.47'
107 - 108	N89° 10' 13"E	123.88'
109 - 110	N89° 10' 13"E	228.74'
200 - 201	N89° 26' 47"E	159.93'

REVISION DATE	10-22-2019	06-10-2020 N.C.	

DATE AUGUST 14, 2019

SCALE, FEET 0 25 50

HWY: CTH D	STATE R/W PROJECT NUMBER 3876-05-00	PLAT SHEET 4.04
COUNTY: FOND DU LAC	CONSTRUCTION PROJECT NUMBER 3876-05-71	PS&E SHEET E

FILE NAME: 040101-RP.DWG
LAYOUT NAME - 040104-rp

PLOT DATE: 6/10/2020 3:06 PM PLOT BY: BRAD TISDALE PLOT NAME: PLOT SCALE: 1 IN:50 FT

PI STA = 26+52.64
Y = 352,391.952
X = 790,994.049

1" IRON PIPE W/CAP
Y = 353,715.030
X = 791,744.760
(OBSERVED)

T 14 N
11 12
14 13
R 16 E

GN

4

CLAIR ZIMMERMAN & ROSALIE ZIMMERMAN

DEBRA A WILLISTON

VILLAGE OF OAKFIELD

VILLAGE

NE-NE
14-14-16

JOEL SANKEY & MARY STANKEY

BROOKE A HAEN

RICHARD O & JULIE E FRANKE

CSM 4242
LOT 2
V 24, P 15
DOC 514210

SHAWN WENDT

STEINER DRIVE

66'

ALAN R & SHANNON M KAMENSKI

18 HSE PI: 26+52.64

21

11

GRG

22 HSE

23 HSE

24 HSE

27

28

26+80.00 -35.00' TLE S00°-42'-44"E 6.00'
N89°-17'-16"E 90.00'
26+80.00 -29.00' TLE

27+65.00 -70.00' TLE N19°-08'-49"W 15.81'
27+70.00 -55.00' TLE N00°-42'-44"W 26.00'
27+70.00 -29.00' TLE

27+90.00 -80.00' TLE N67°-29'-11"E 26.93'
S57°-01'-19"E 36.06'

28+20.00 -60.00' TLE S00°-42'-44"E 29.00'
28+20.00 -31.00' TLE N89°-17'-16"E 50.00'
28+70.00 -31.00' TLE

N00°-42'-44"W 6.00'
28+70.00 -37.00' TLE N89°-17'-16"E 17.00'
28+87.00 -37.00' TLE

S00°-42'-44"E 6.00'
28+87.00 -31.00' TLE N89°-17'-16"E 81.00'

N00°-42'-44"W 6.00'
29+68.00 -37.00' TLE

TLE SLOPES 0.02 ACRES
105.00' N89°-17'-16"E

30+73.00 -37.00' TLE S00°-42'-44"E 6.00'
30+73.00 -31.00' TLE

TLE SLOPES 0.01 ACRES
91.99' N89°-17'-16"E

31+64.99 -31.00' TLE S00°-17'-57"E 5.29'
N89°-17'-03"E 66.00'

N00°-31'-07"W 11.29'
32+30.99 -37.00' TLE

94.01' N89°-17'-16"E

TLE SLOPES 0.03 ACRES
TLE SLOPES 0.02 ACRES
TLE SLOPES 0.03 ACRES
TLE SLOPES 0.01 ACRES

209 31+64.95 -25.71'
210 32+30.95 -25.71'

MATCH LINE STA 26+00
N89°-10'-13"E

27+00 28+00 29+00 16TH LINE 30+00 31+00 32+00 33

50' OF CTH D/E CHURCH STREET N89°-17'-16"E

MATCH LINE STA 33+00

110 26+52.69 26.00'
111 26+62.00 26.00'
116 27+14.49 32.00'
112 26+62.00 34.00'
113 26+63.33 34.00'
114 27+13.11 45.00'
115 27+14.49 45.00'

27+20.00 40.00' TLE N47°-04'-15"E 7.44'

S28°-15'-00"E 50.98'

19 HSE LOT 10
DOUGLAS D & LEANN K WETTSTEIN GRG

50'

N SECOND STREET

ALLIANT ENERGY ELECTRIC 51

52 ALLIANT ENERGY GAS

SLOPE INTERCEPT (TYP)

TLE SLOPES 0.13 ACRES

N89°-17'-16"E 700.00'

26 VILLAGE OF OAKFIELD

SECTION LINE

N00°-19'-20"W 2,632.89'

N30°-18'-18"W 1,517.09' FROM MON. TO RL

N01°-57'-10"W 1,355.71' FROM MON. TO RW

SE-NE
14-14-16

OAKFIELD

REPLAT WHITE & HUBBARD'S BLOCK 6

NOT TO SCALE

NOT TO SCALE

116 114 115

111 112 113

BERNTSEN MONUMENT
Y = 351,082.182
X = 791,759.569
(OBSERVED)

T 14 N
14 13
R 16 E

R/W POINT COORDINATES

PT. NO.	Y	X
110	352,365.95	790,994.43
111	352,366.07	791,003.73
112	352,358.07	791,003.83
113	352,358.09	791,005.17
114	352,347.71	791,055.07
115	352,347.72	791,056.46
116	352,360.72	791,056.29
209	352,424.03	791,506.00
210	352,424.85	791,572.00

R/W COURSE TABLE

COURSE	BEARING	DISTANCE
110 - 111	N89° 17' 18"E	9.31'
111 - 112	S00° 42' 44"E	8.00'
112 - 113	N89° 17' 16"E	1.33'
114 - 115	N89° 17' 16"E	1.38'
115 - 116	N00° 42' 44"W	13.00'
116 - 117	N89° 17' 16"E	696.09'
208 - 209	N89° 17' 03"E	1,038.92'
210 - 211	N89° 17' 03"E	180.02'

REVISION DATE	10-22-2019	06-10-2020 N.C.	DATE AUGUST 14, 2019	SCALE, FEET 0 25 50	HWY: CTH D
					COUNTY: FOND DU LAC

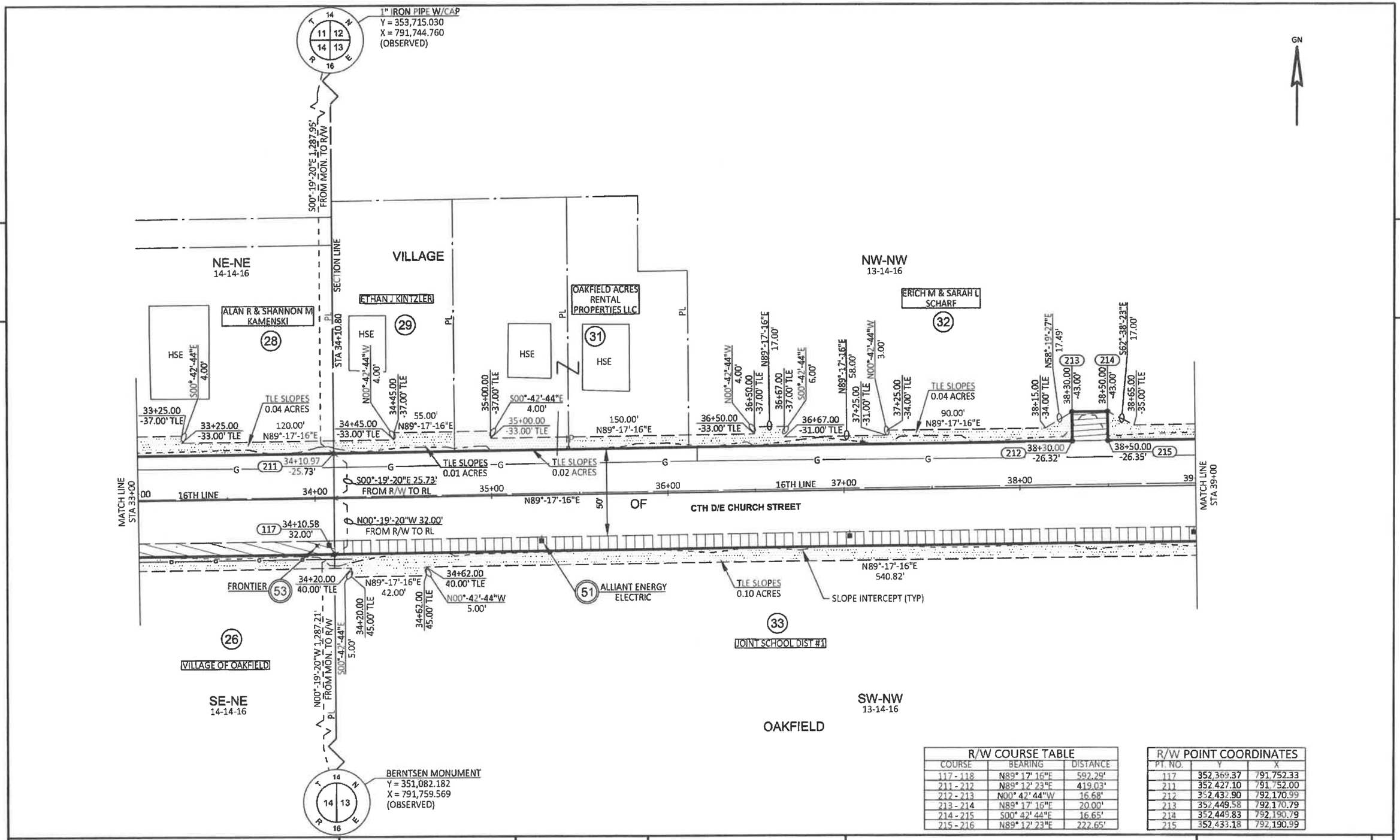
STATE R/W PROJECT NUMBER 3876-05-00
CONSTRUCTION PROJECT NUMBER 3876-05-71

PLAT SHEET 4.05
PS&E SHEET 84

FILE NAME : 040101-RP.DWG
LAYOUT NAME - 040105-rp

PLOT DATE : 6/10/2020 3:06 PM PLOT BY : BRAD TISDALE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 75



R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
117 - 118	N89° 17' 16"E	592.29'
211 - 212	N89° 12' 23"E	419.03'
212 - 213	N00° 42' 44"W	16.68'
213 - 214	N89° 17' 16"E	20.00'
214 - 215	S00° 42' 44"E	16.65'
215 - 216	N89° 12' 23"E	222.65'

R/W POINT COORDINATES		
PT. NO.	Y	X
117	352,369.37	791,752.33
211	352,427.10	791,752.00
212	352,432.90	792,170.99
213	352,449.58	792,170.79
214	352,449.83	792,190.79
215	352,433.18	792,190.99

REVISION DATE	10-22-2019	06-10-2020 N.C.			DATE AUGUST 14, 2019	SCALE, FEET 0 25 50	HWY: CTH D	STATE R/W PROJECT NUMBER 3876-05-00	PLAT SHEET 4.06	
							COUNTY: FOND DU LAC	CONSTRUCTION PROJECT NUMBER 3876-05-71	PS&E SHEET	E

FILE NAME: 040101-RP.DWG
LAYOUT NAME - 040106-rp
PLOT DATE : 6/10/2020 3:07 PM PLOT BY : BRAD TISDALE PLOT NAME : PLOT SCALE : 1 IN:50 FT

1" IRON PIPE W/CAP
Y = 353,715.030
X = 791,744.760
(OBSERVED)

PLE POINT COORDINATES		
PT. NO.	Y	X
506	352,448.90	792,630.49
507	352,465.69	792,630.12
508	352,466.40	792,662.11
509	352,481.84	792,681.77
510	352,656.80	792,677.92
511	352,657.32	792,701.91

R/W POINT COORDINATES		
PT. NO.	Y	X
118	352,376.74	792,344.58
119	352,255.84	792,411.27
120	352,360.87	792,437.67
121	352,362.99	792,508.63
122	352,365.94	792,642.32
123	352,358.49	792,667.49
124	352,359.60	792,717.48
125	352,386.32	792,791.91
216	352,436.26	792,413.62
217	352,444.30	792,413.57
218	352,449.57	792,662.48
219	352,466.84	792,682.11
220	352,467.37	792,706.10
221	352,450.96	792,726.47
222	352,452.30	792,790.45

PI STA = 40+22.79
Y = 352,408.981
X = 792,364.098

PI STA = 41+66.13
Y = 352,412.975
X = 792,507.382

VILLAGE OF OAKFIELD
TOWN OF OAKFIELD

VILLAGE

NW-NW
13-14-16

TOWN

CSM 342
V 3, P 141
DOC 263170

ERICH M & SARAH L SCHARF (32)

SCHARF LIMITED LLC (36)

SCHARF LIMITED LLC (38)

ALLIANT ENERGY ELECTRIC (51)

TLE SLOPES
0.03 ACRES

194.46'
N89°-07'-11"E

TLE SLOPES
0.01 ACRES

S86°-56'-52"E
13.28'

POINT 'D'

40+73.23
-33.92' (217)

40+60.00
-35.00' TLE

PI: 40+22.79

PI: 41+66.13

43+22.00
-242.00' TLE

64.00'
N88°-44'-11"E

43+86.00
-242.00' TLE

43+42.00
-240.00' PLE (510)

43+66.00
-240.00' PLE (511)

PLE DRAINAGE
0.12 ACRES

192.00'
N01°-15'-49"W

S01°-15'-49"E
208.86'

TLE SLOPES
0.18 ACRES

43+42.00
-65.00' PLE (509)

43+22.00
-50.00' PLE (508)

42+90.00
-50.00' PLE (507)

42+90.00
-33.20' PLE (506)

43+66.00
-50.00' (220)

44+50.00
-33.07' (222)

43+22.00
-33.16' (218)

43+42.00
-50.00' (219)

43+86.00
-33.14' (221)

S01°-15'-49"E
33.07'

S01°-15'-49"E
32.93'

GN

MATCH LINE
STA 39+00

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

N89°-17'-16"E
CTH D/E CHURCH STREET
50' OF
IP

N88°-24'-12"E

66' OF
N88°-44'-11"E
CTH D

40+02.87
32.00' (118)

40+90.00
50.00' (120)

41+66.28
50.00' (121)

122 43+00.00
50.00'

43+25.00
58.00' (123)

43+75.00
58.00' (124)

44+50.00
32.93' (125)

END RELOCATION ORDER
STA 44+50.00
Y = 352,419.235
X = 792,791.182

53 FRONTIER

TLE SLOPES
0.01 ACRES

40+02.82
40.00' TLE

S00°-19'-43"E
8.00'

N SCHOOL STREET
66'

40+95.00
65.00' TLE

TLE SLOPES
0.14 ACRES

N88°-37'-15"E
204.62'

SLOPE INTERCEPT (TYP)

43+00.00
65.00' TLE

43+25.00
75.00' TLE

43+75.00
75.00' TLE

N88°-44'-11"E
50.00'

S69°-27'-44"E
26.93'

N59°-26'-44"E
85.99'

N00°-19'-20"W
2,632.89'
SECTION LINE

N24°-29'-43"E 1,458.03'
FROM MON. TO RL

N29°-02'-32"E 1,342.46'
FROM MON. TO R/W

BERNTSEN MONUMENT
Y = 351,082.182
X = 791,759.569
(OBSERVED)

33 JOINT SCHOOL DIST #1

34 OAKFIELD SCHOOL DISTRICT

OAKFIELD

S28°-53'-03"E
138.07'

CSM 5239
LOT 1
V 32, P 68
DOC 611843

119 40+65.68
154.40'

POINT 'E'

55.62'
N00°-19'-43"W

N10°-18'-03"E
148.18'

40+64.45
210.00' TLE

37 OAKFIELD ACRES LLC

OAKFIELD

SW-NW
13-14-16

PLE COURSE TABLE		
COURSE	BEARING	DISTANCE
506 - 507	N01° 15' 49"W	16.80'
507 - 508	N88° 44' 11"E	32.00'
508 - 509	N51° 51' 59"E	25.00'
509 - 510	N01° 15' 49"W	175.00'
510 - 511	N88° 44' 11"E	24.00'
511 - 220	S01° 15' 49"E	190.00'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
119 - 120	N11° 31' 00"E	107.19'
120 - 121	N88° 24' 12"E	75.99'
121 - 122	N88° 44' 11"E	133.72'
122 - 123	S73° 31' 08"E	26.25'
123 - 124	N88° 44' 11"E	50.00'
124 - 125	N70° 15' 06"E	79.08'
216 - 217	N00° 21' 08"W	8.03'
217 - 506	N88° 47' 15"E	216.96'
506 - 218	N88° 47' 15"E	32.00'
218 - 219	N48° 38' 29"E	26.14'
219 - 220	N88° 44' 11"E	24.00'
220 - 221	S51° 08' 08"E	26.16'
221 - 222	N88° 47' 54"E	64.00'

REVISION DATE	10-22-2019	06-10-2020 N.C.

DATE AUGUST 14, 2019

SCALE, FEET
0 25 50

HWY: CTH D
COUNTY: FOND DU LAC

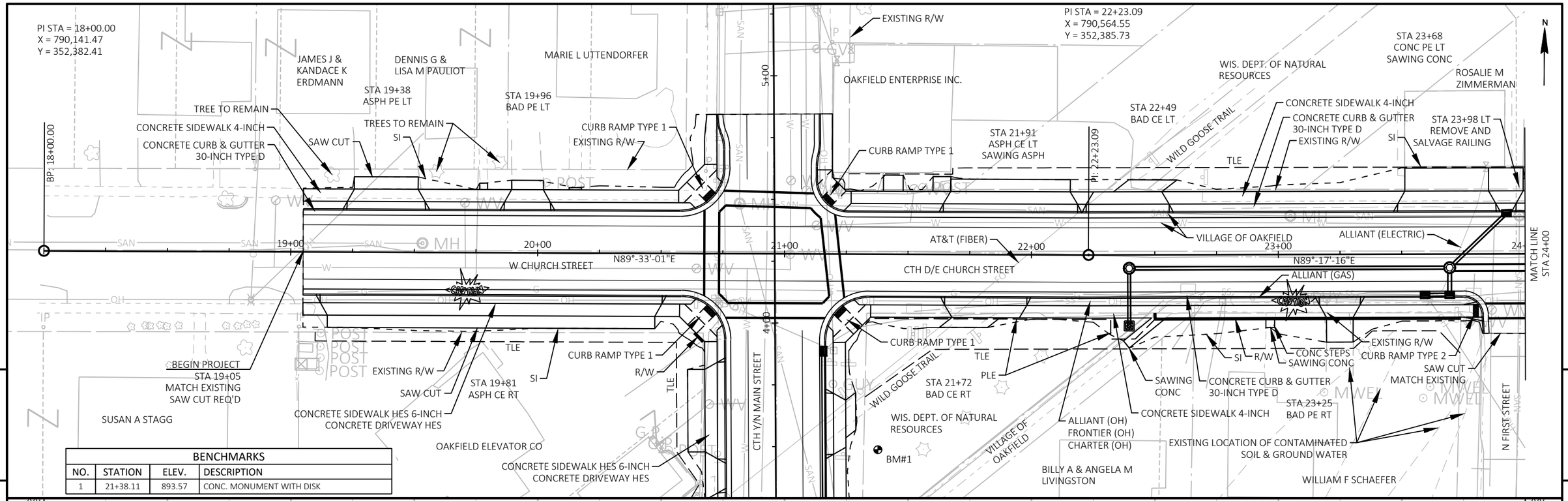
STATE R/W PROJECT NUMBER 3876-05-00
CONSTRUCTION PROJECT NUMBER 3876-05-71

PLAT SHEET 4.07
PS&E SHEET 86

FILE NAME : 040101-RP.DWG
LAYOUT NAME - 040107-rp

PLOT DATE : 6/10/2020 3:07 PM
PLOT BY : BRAD TISDALE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

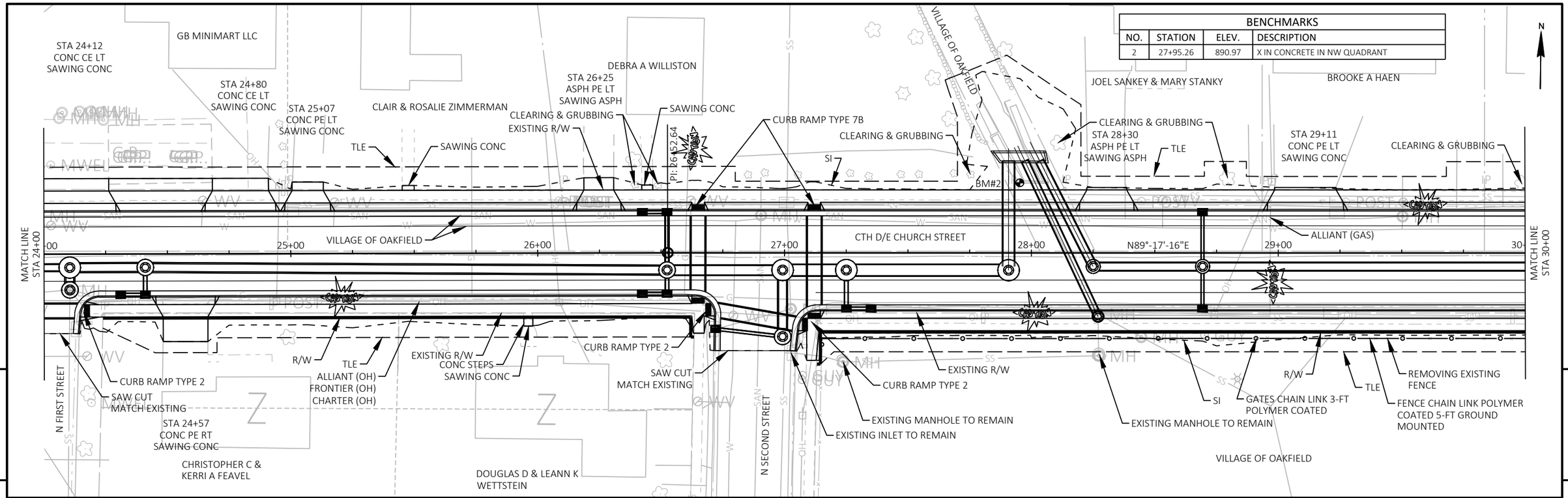
WISDOT/CADDS SHEET 75

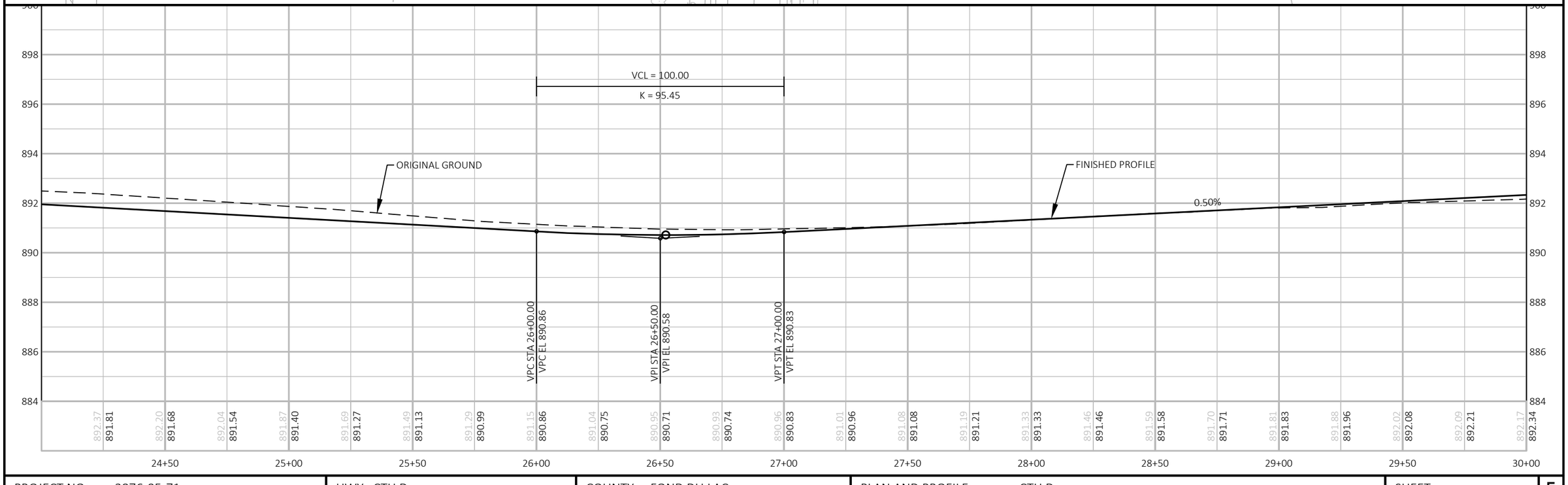


PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN AND PROFILE: CTH D	SHEET 87	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\PLAN & PROFILES\050102_PP PARKING ONE SIDE.DWG
LAYOUT NAME - 050101-pp
PLOT DATE : 7/21/2020 2:29 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

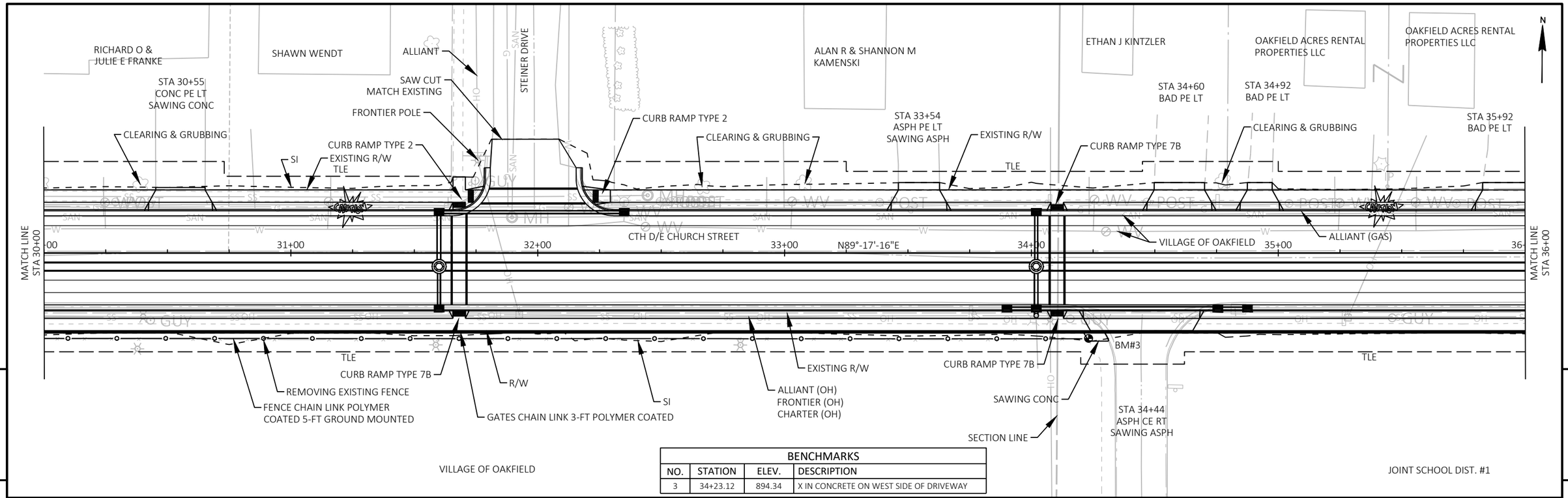
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
2	27+95.26	890.97	X IN CONCRETE IN NW QUADRANT





PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN AND PROFILE: CTH D	SHEET 88	E

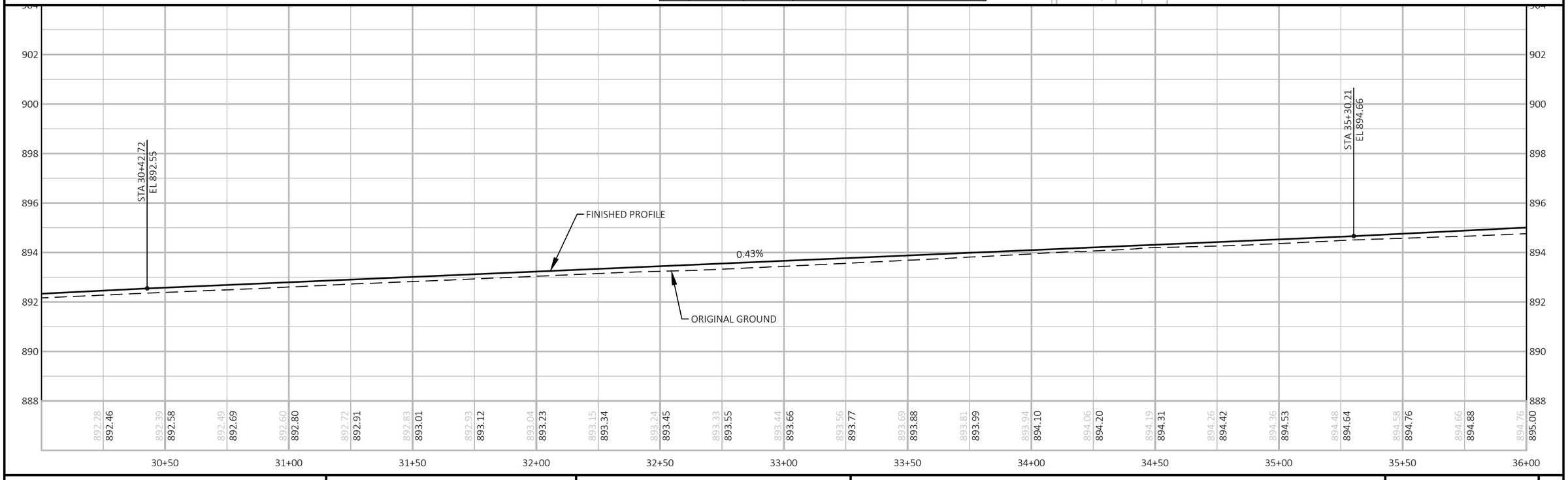
FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\PLAN & PROFILES\050102_PP PARKING ONE SIDE.DWG
LAYOUT NAME - 050102-pp
PLOT DATE : 7/13/2020 4:15 PM
PLOT BY : BOBBI MAXWELL
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
3	34+23.12	894.34	X IN CONCRETE ON WEST SIDE OF DRIVEWAY

VILLAGE OF OAKFIELD

JOINT SCHOOL DIST. #1

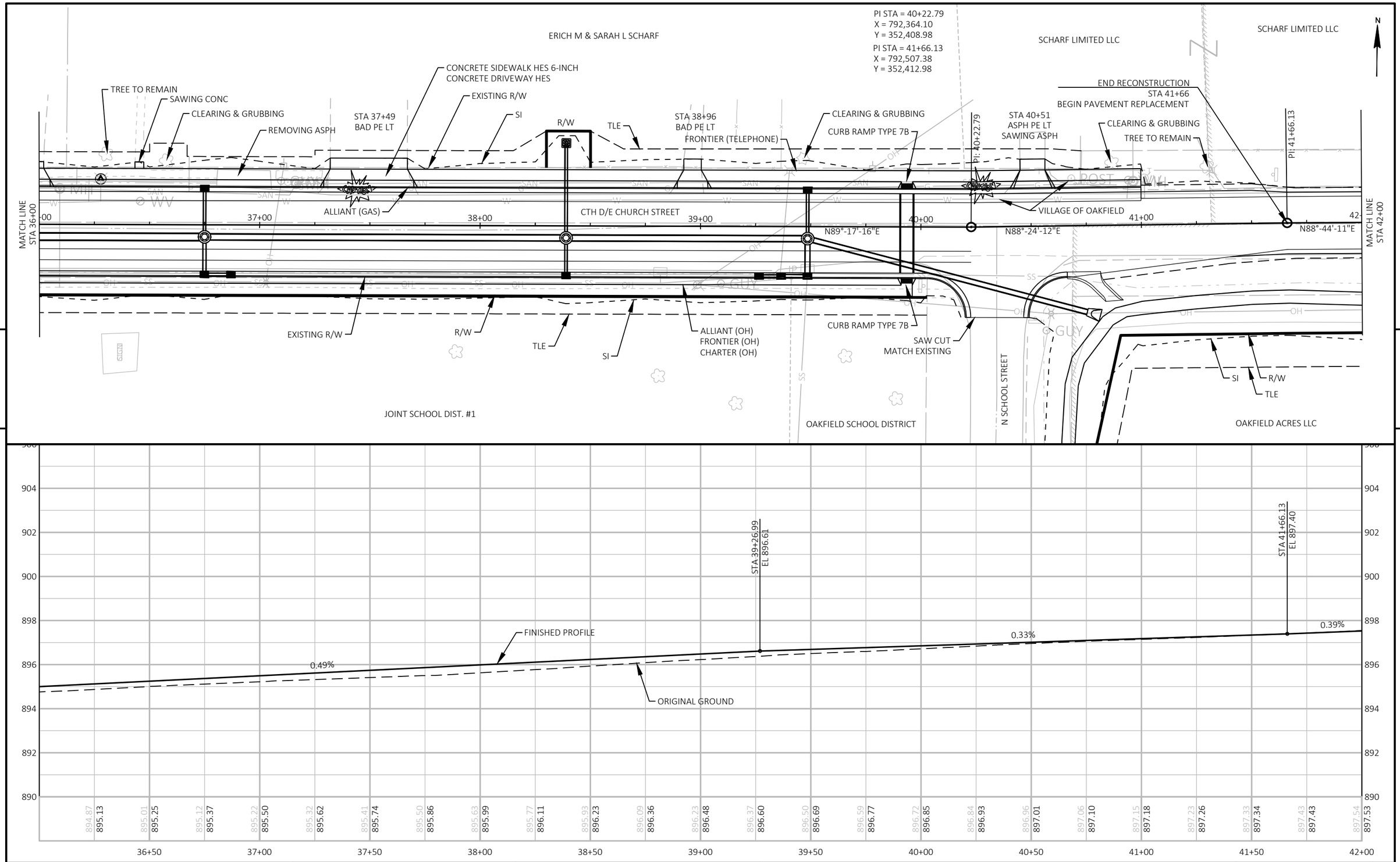


PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN AND PROFILE: CTH D	SHEET 89	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\PLAN & PROFILES\050102_PP PARKING ONE SIDE.DWG
LAYOUT NAME - 050103-pp

PLOT DATE : 7/13/2020 4:15 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN AND PROFILE: CTH D	SHEET 90 E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\PLAN & PROFILES\050102_PP PARKING ONE SIDE.DWG
LAYOUT NAME - 050104-pp

PLOT DATE : 7/13/2020 4:15 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

STA 43+54
1-34"X53" CPRC HE CLASS HE-III
2-34"X53" RCHE AEW'S REQ'D

SCHARF LIMITED LLC

PI STA = 46+21.62
X = 792,962.76
Y = 352,422.95

N

TLE
PLE
SI
REMOVING FENCE
EXISTING R/W
R/W
STA 43+00
BAD FE LT
SI
END PAVEMENT REPLACEMENT
STA 43+75
MATCH EXISTING
SAW CUT REQ'D
EP: 46+21.62
FRONTIER (TELEPHONE)
CTH D
MATCH LINE
STA 42+00
-00
43+00
44+00
45+00
46+00
N88°-44'-11"E
OH
ALLIANT (OH)
END CONSTRUCTION
STA 44+50
MATCH EXISTING
EXISTING R/W
R/W
TLE
SI

OAKFIELD ACRES LLC

5

5

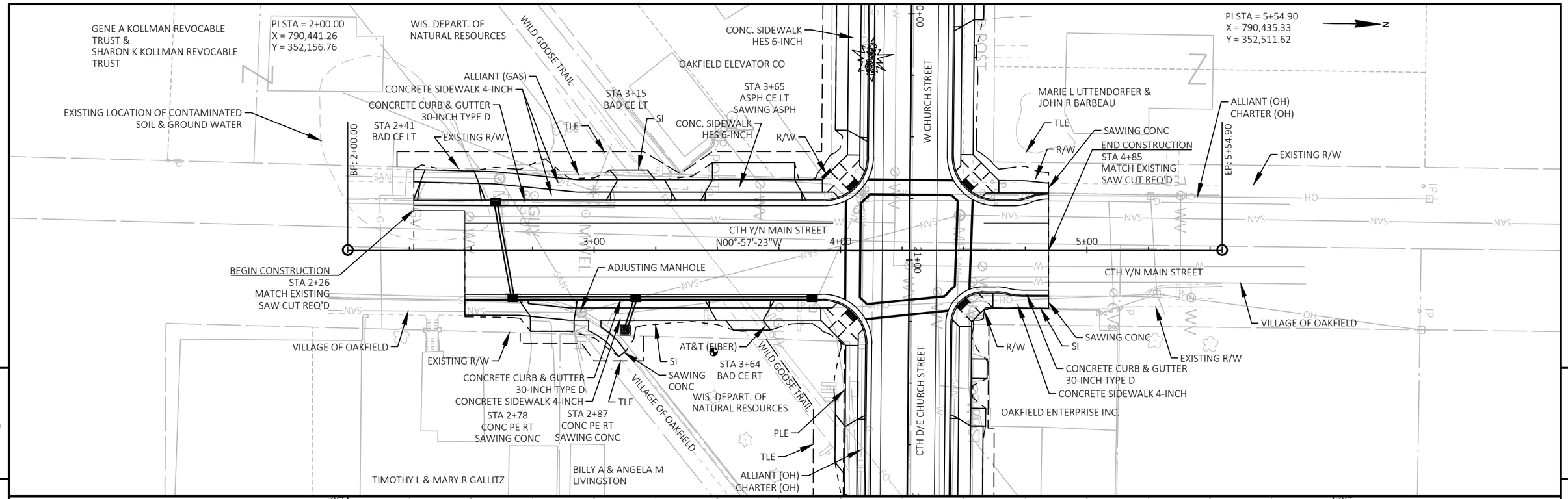
906
904
902
900
898
896
894
892

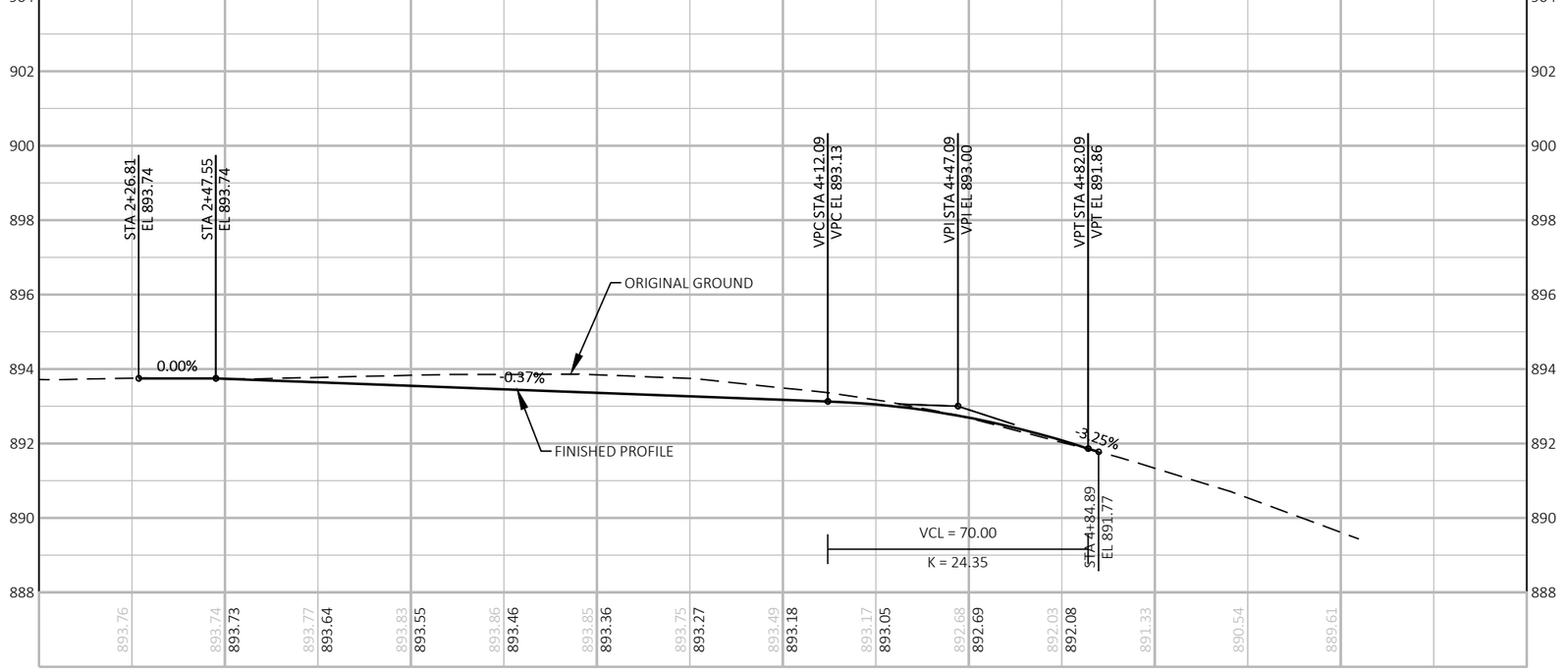
VPC STA 42+07.50
VPC EL 897.56
VPI STA 42+70.00
VPI EL 897.80
VPT STA 43+32.50
VPT EL 897.92
STA 43+75.00
EL 898.00
STA 44+50.00
EL 898.25
ORIGINAL GROUND
0.19%
0.33%
FINISHED PROFILE
VCL = 125.00
K = 635.13

897.66 897.62 897.75 897.71 897.79 897.78 897.83 897.85 897.87 897.91 897.92 897.95 898.00 898.00 898.09 898.09 898.17 898.17 898.25 898.25 898.34 898.40 898.45 898.54 898.63 898.72

42+50 43+00 43+50 44+00 44+50 45+00 45+50 46+00

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN AND PROFILE: CTH D	SHEET 91	E





PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN AND PROFILE: CTH Y	SHEET 92	E

PI STA = 20+00.00S
X = 792,406.74
Y = 351,938.49

PI STA = 22+50.00S
X = 792,401.53
Y = 352,188.44

PI STA = 23+00.00S
X = 792,404.55
Y = 352,238.35

PI STA = 23+25.00S
X = 792,407.45
Y = 352,263.18

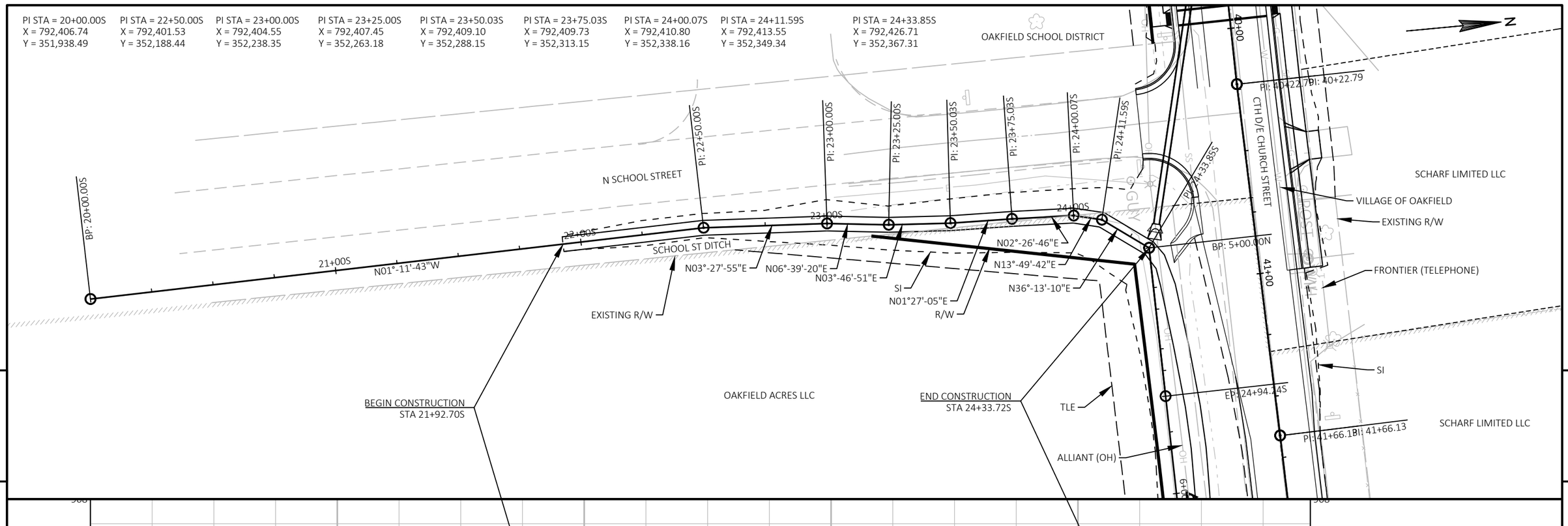
PI STA = 23+50.03S
X = 792,409.10
Y = 352,288.15

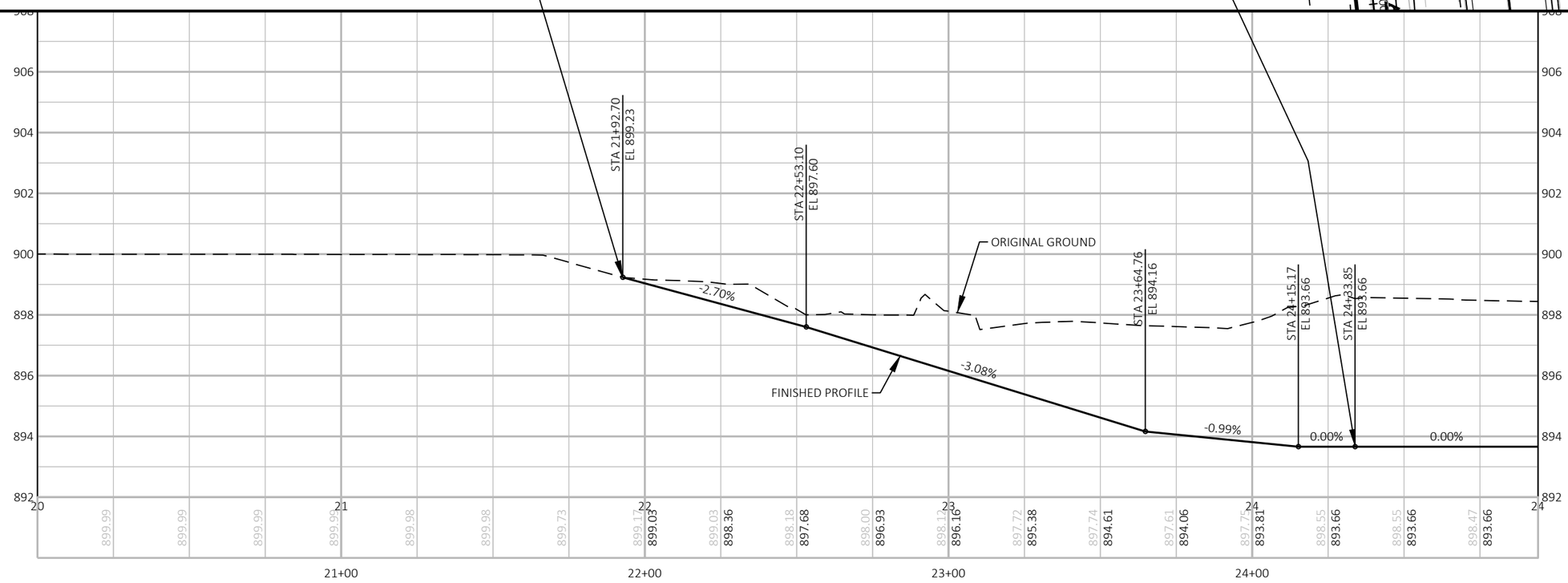
PI STA = 23+75.03S
X = 792,409.73
Y = 352,313.15

PI STA = 24+00.07S
X = 792,410.80
Y = 352,338.16

PI STA = 24+11.59S
X = 792,413.55
Y = 352,349.34

PI STA = 24+33.85S
X = 792,426.71
Y = 352,367.31





PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	PLAN AND PROFILE: SCHOOL STREET DITCH 'S'	SHEET 93	E

PI STA = 7+68.49N
X = 792,695.16
Y = 352,371.61

PI STA = 9+43.87N
X = 792,691.87
Y = 352,546.96

PI STA = 10+78.42N
X = 792,689.71
Y = 352,681.50

SCHARF LIMITED LLC

STA 43+00
BAD FE LT

REMOVING FENCE

STA 43+54
1-34"x 53" CPRC HE CLASS HE-III
2-34" x 53" RCHE AEW'S

TLE

DITCH

PI: 9+44.44N

PI: 10+79.00N

PI: 11+28.52N

PI: 11+67.99N

PI: 11+90.81N

12+00N

11+00N

9+00N

10+00N

8+00N
P.T. 7+69.06N

N01°-04'-33"W

N00°-55'-13"W

CTH D

7+00N

43+00

44+00

R/W

SI

PLE

BEGIN CONSTRUCTION
STA 8+54.82N

END CONSTRUCTION
STA 10+52.29N

EXISTING R/W

FRONTIER (TELEPHONE)

OAKFIELD ACRES LLC

ALLIANT (OH)

N

5

5

STA 7+69.06
EL 891.19

STA 7+88.30
EL 890.99

STA 8+52.26
EL 890.31

STA 8+44.26
EL 890.40

STA 10+14.93
EL 886.52

STA 10+52.87
EL 886.34

ORIGINAL GROUND

FINISHED PROFILE

-1.05%

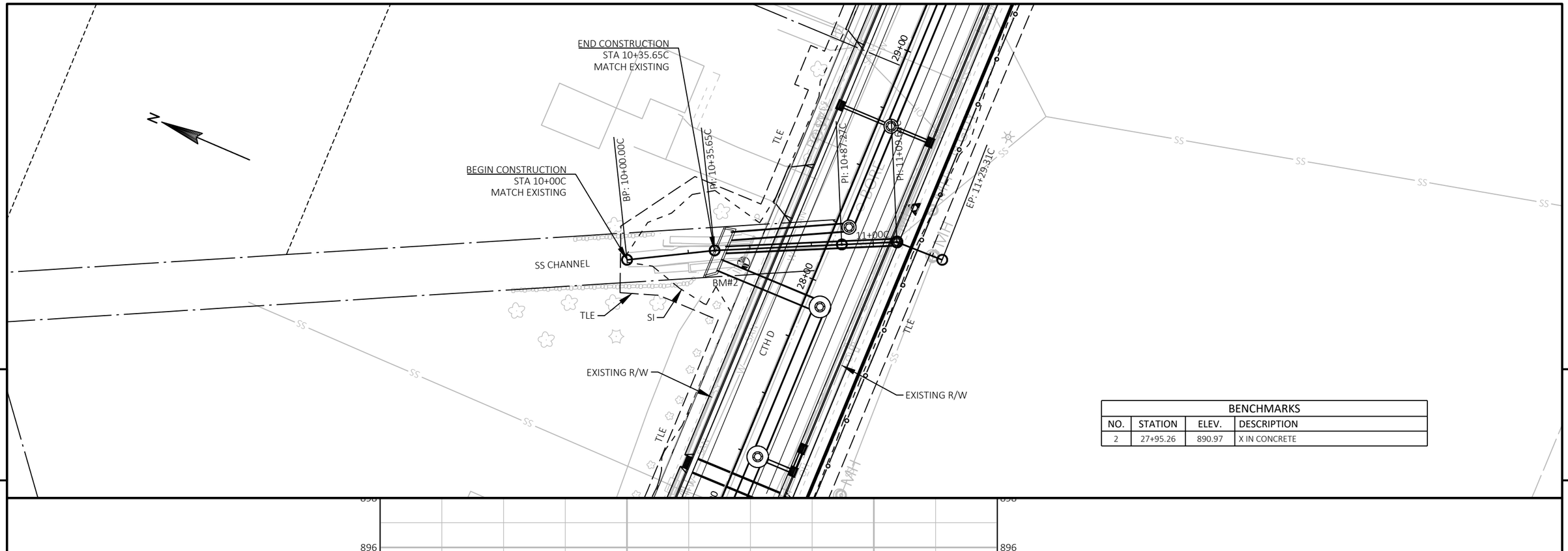
-1.05%

-1.05%

-2.33%

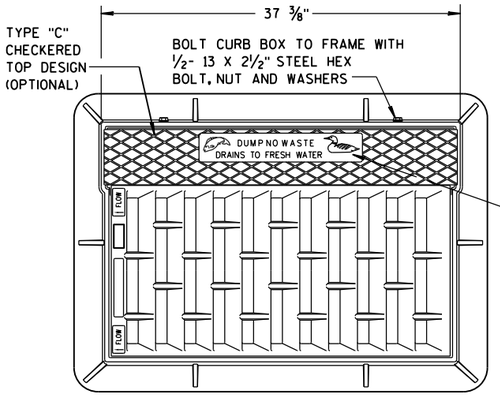
-0.50%

| | | |

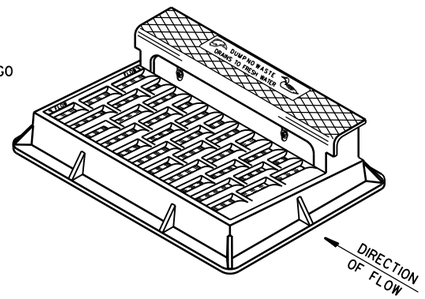

END CONSTRUCTION
STA 10+35.65C
MATCH EXISTING
BEGIN CONSTRUCTION
STA 10+00C
MATCH EXISTING
BP: 10+00.00C
PI: 10+35.65C
PI: 10+87.37C
PI: 11+09.03C
EP: 11+29.31C
TLE
29+00
11+00
28+00
SS CHANNEL
BM#2
TLE
SI
CTH D
EXISTING R/W
EXISTING R/W
TLE
TLE
SS
SS
SS

Standard Detail Drawing List

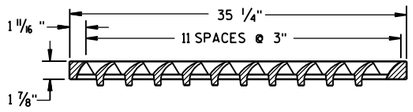
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-21A	CONCRETE CURB & GUTTER
08D01-21B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F10-01	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
13C19-02	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
15A01-13A	MARKER POST FOR RIGHT-OF-WAY
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
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

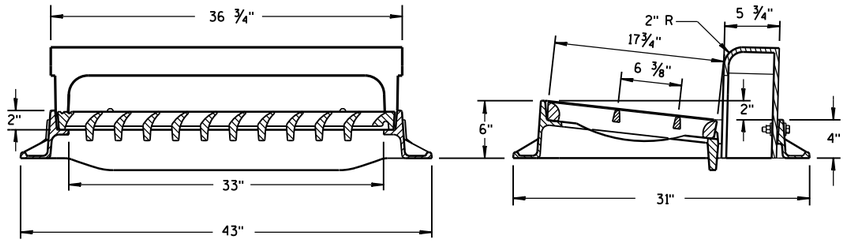


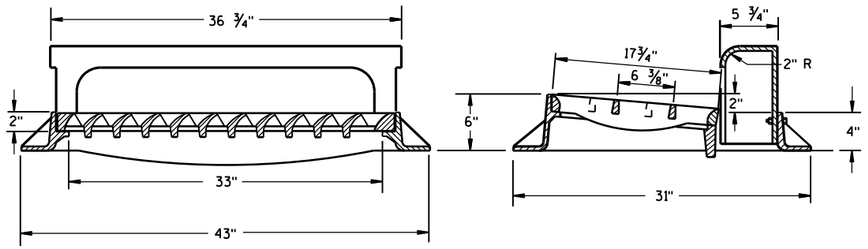
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

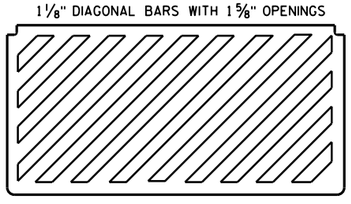






TYPE "H"

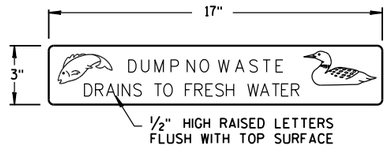
NOTE: EITHER CASTING IS ACCEPTABLE



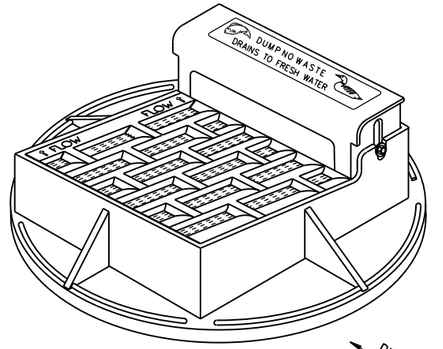
SPECIAL GRATE FOR TYPE "H" COVER

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

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

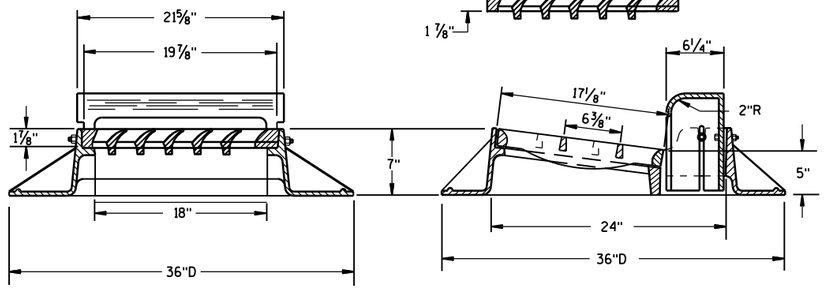


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



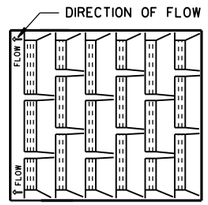
TYPE "A"

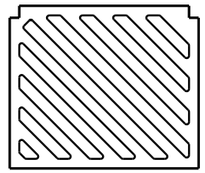
GENERAL NOTES

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

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

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

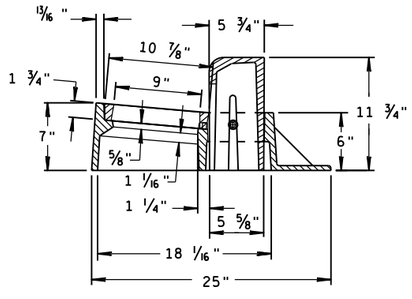


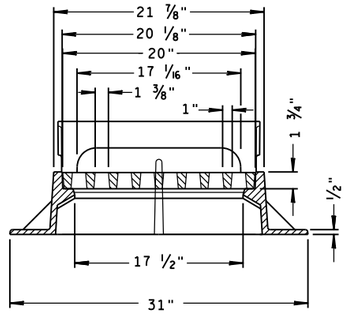


SPECIAL GRATE FOR TYPE "A" COVER

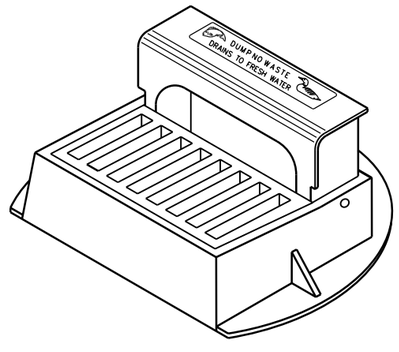
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"

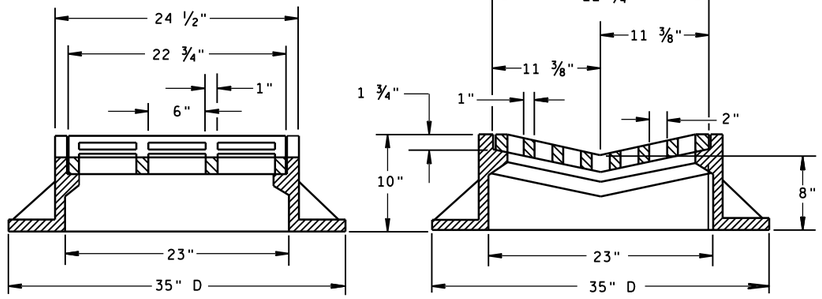


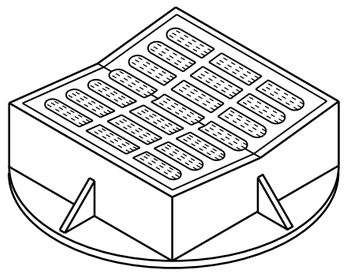
INLET COVERS TYPE A, H, A-S, H-S & Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

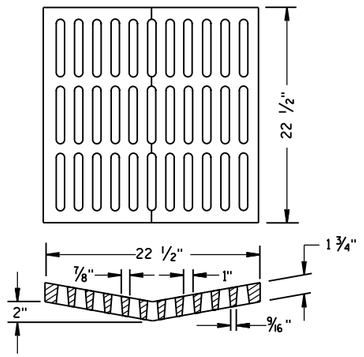
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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





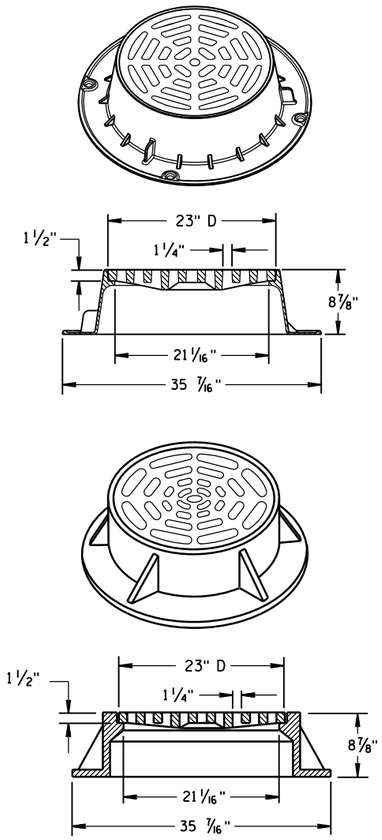
TYPE "B"



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"

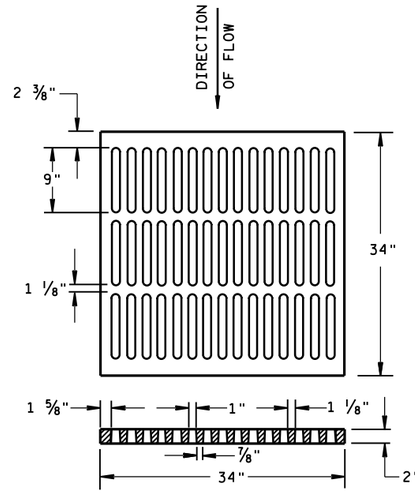
NOTE: EITHER CASTING IS ACCEPTABLE

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.

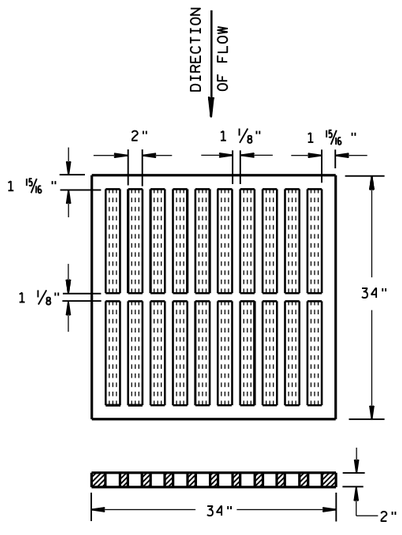
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED

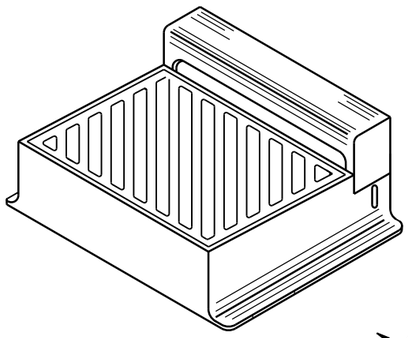
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



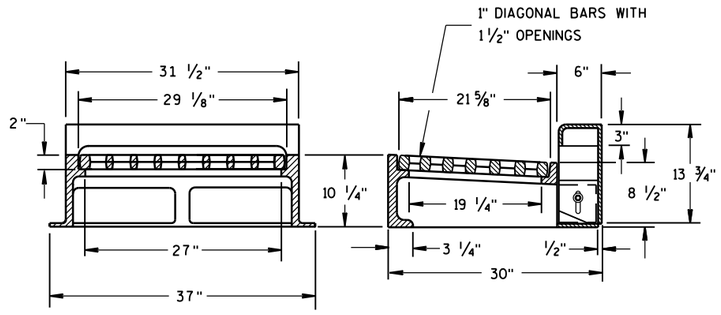
TYPE "MS"

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

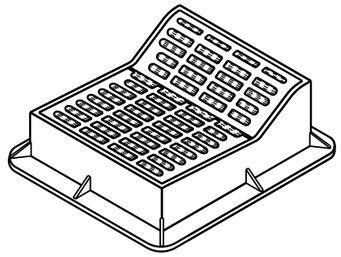
11/27/2013 — DATE

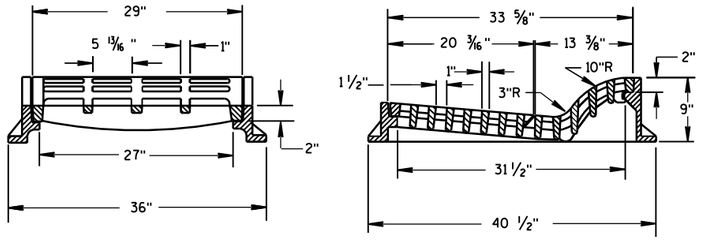
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER

FHWA

6

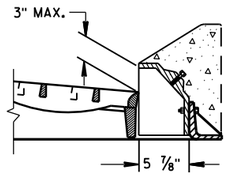
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

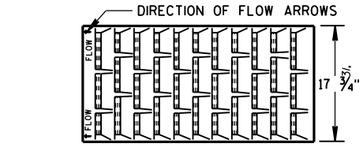
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

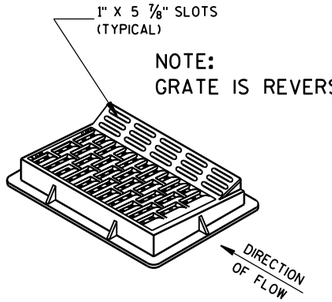
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

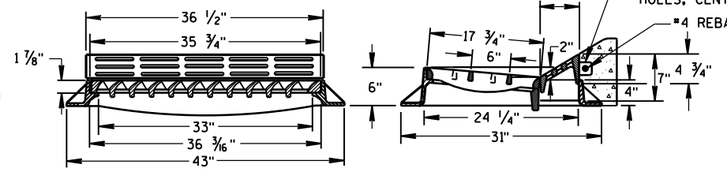
GENERAL NOTES

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

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



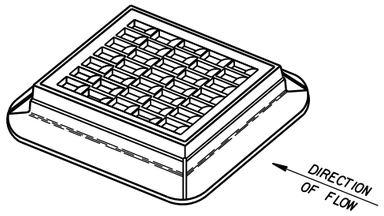


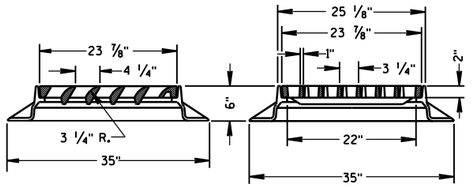


TYPE "HM"

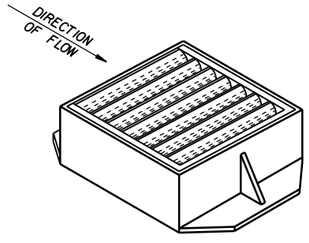
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

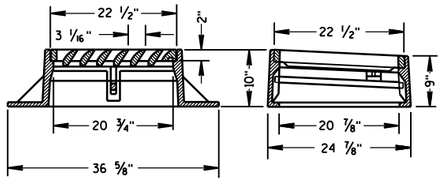
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



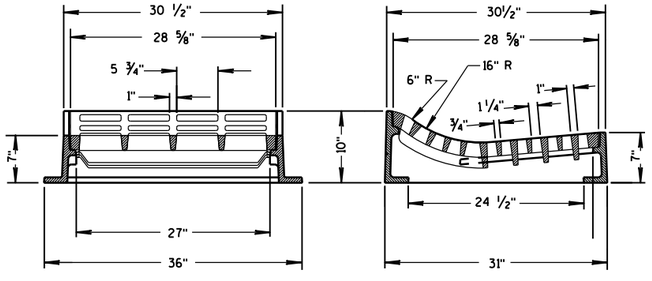


TYPE "S"



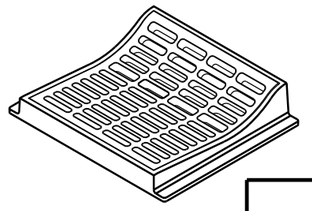


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

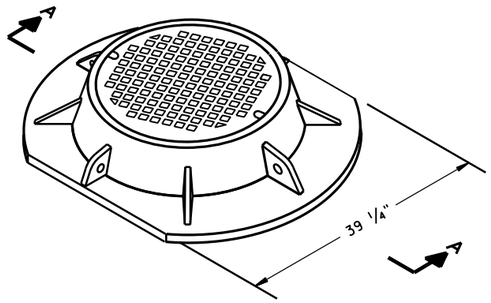
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

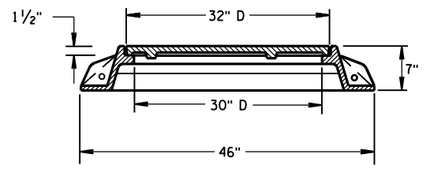
APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

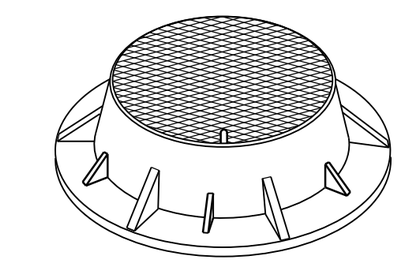
FHWA

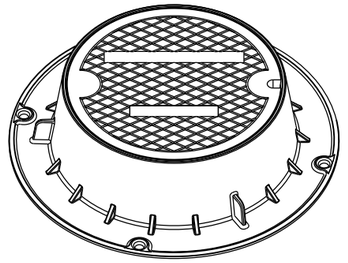
6
S.D.D. 8 A 5-19c

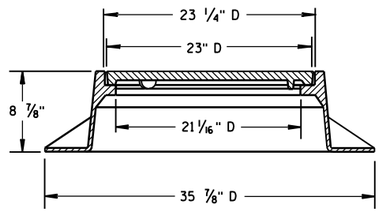


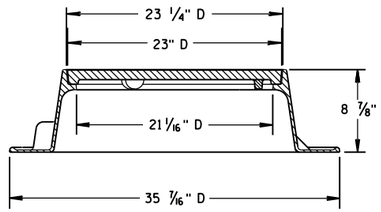


SECTION A-A
TYPE "K"









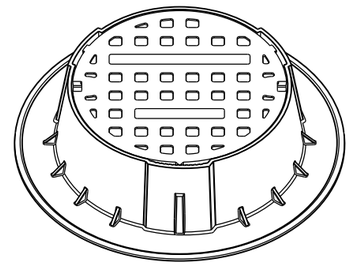
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

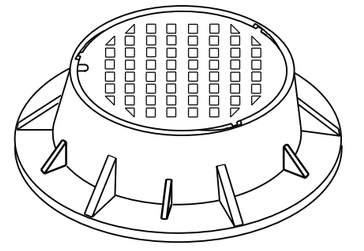
GENERAL NOTES

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.

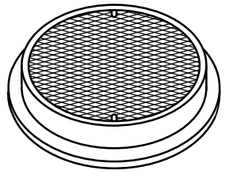
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

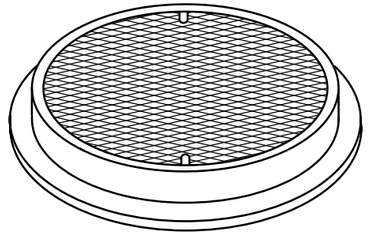
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

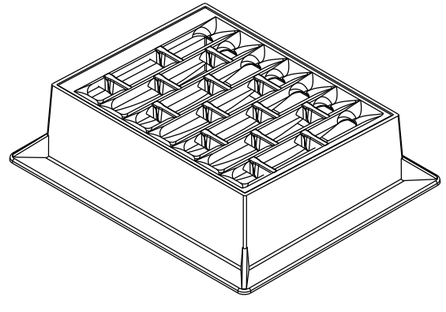


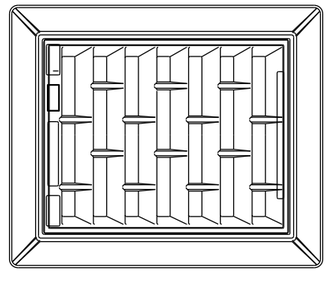


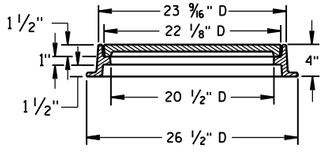
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE











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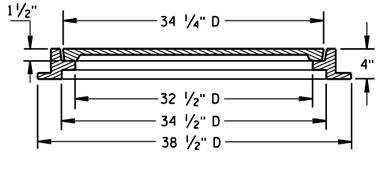
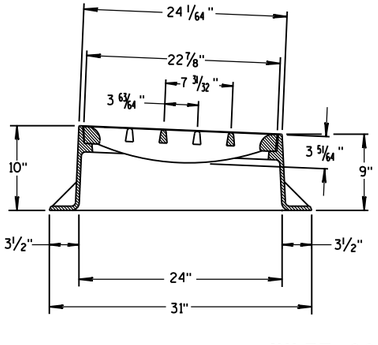
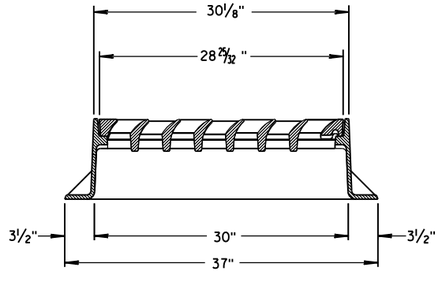


TYPE "M"





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
FHWA

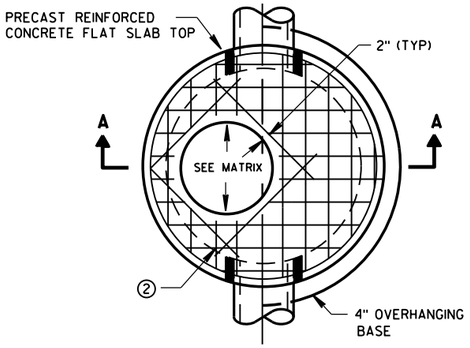
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

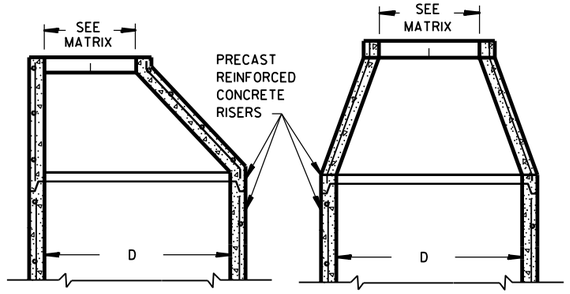
S.D.D. 8 A 5-19d

6

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

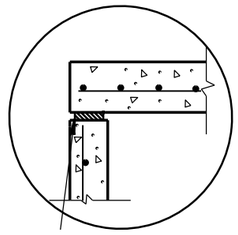


PLAN VIEW CIRCULAR OPENING

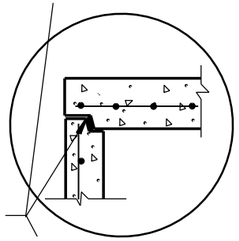


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

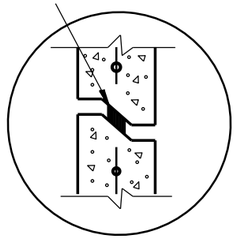


TOP WITH PLAIN END JOINT



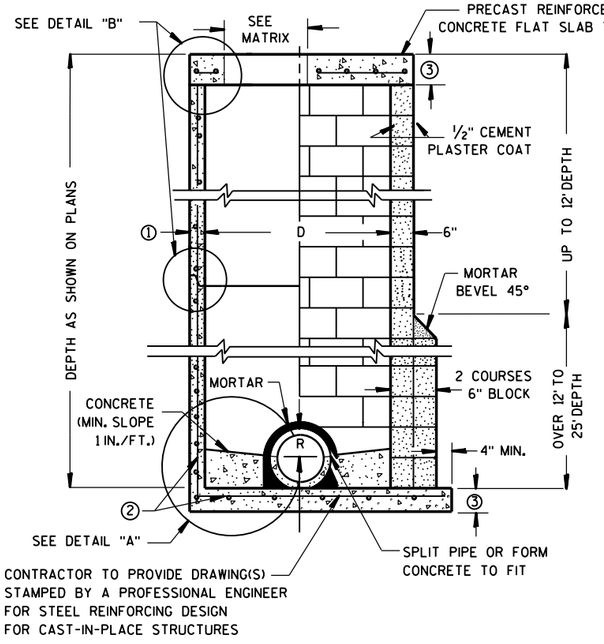
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



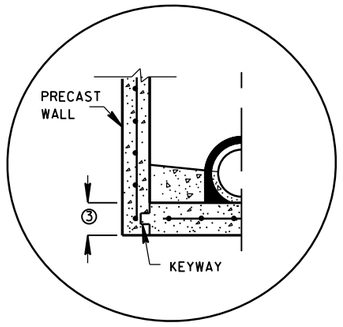
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

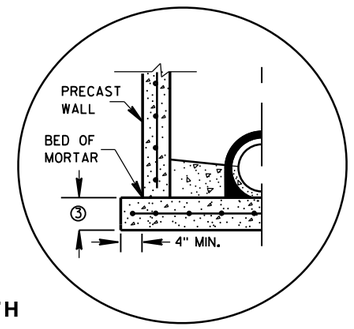


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

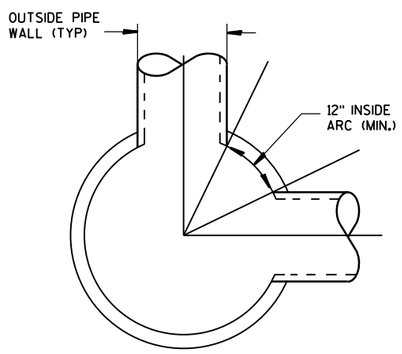


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

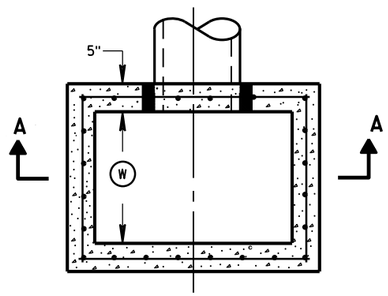
APPROVED

Sept., 2016
DATE

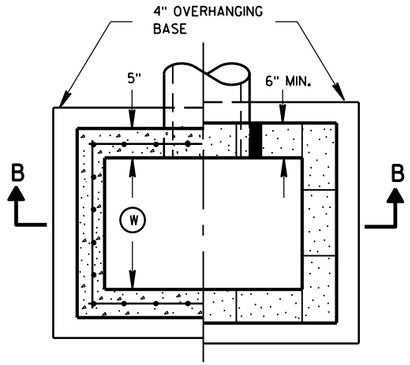
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

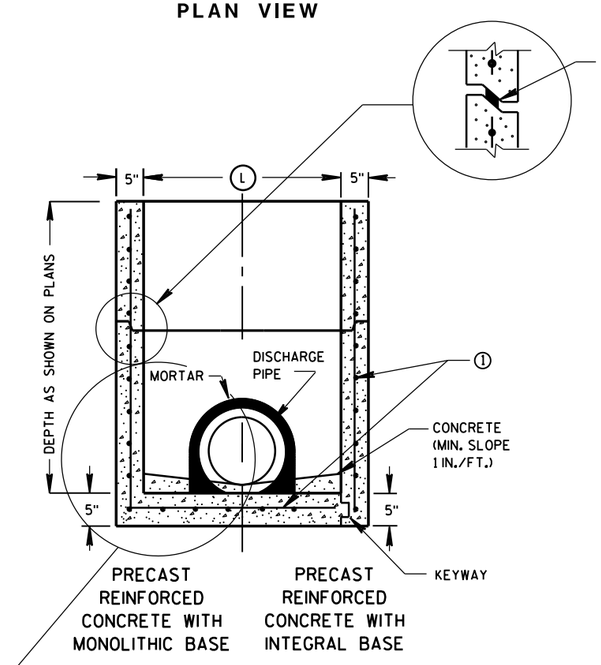
6
S.D.D. 8 B 9-2



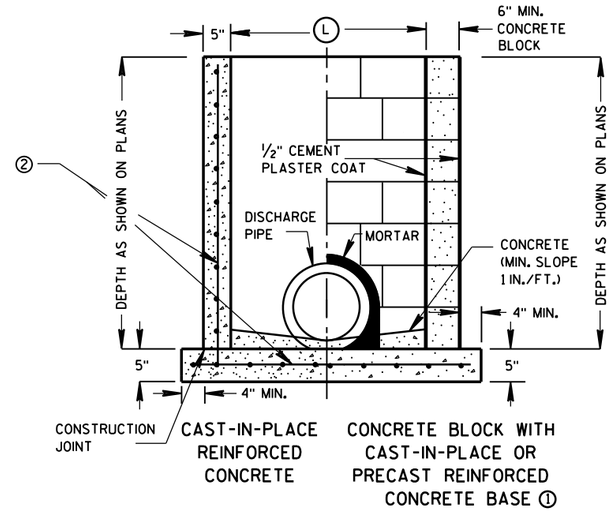
PLAN VIEW



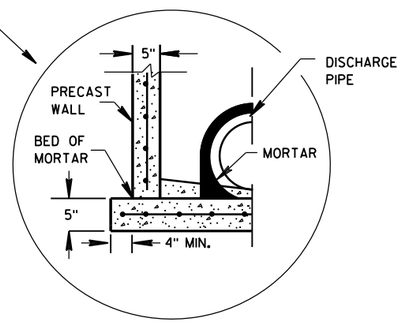
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

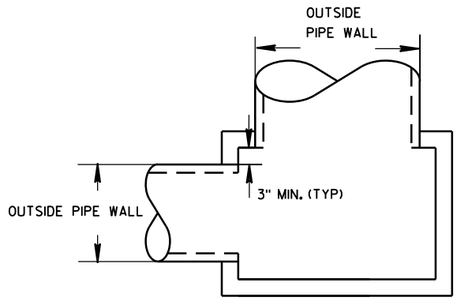
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

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

PIPE MATRIX

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



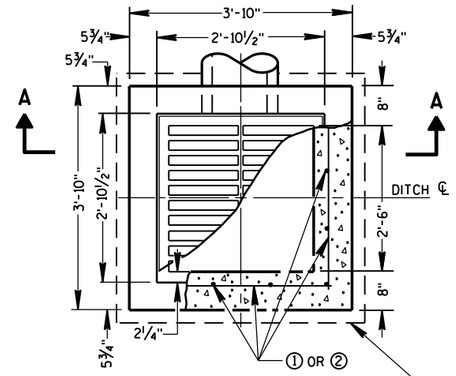
DETAIL "A"

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

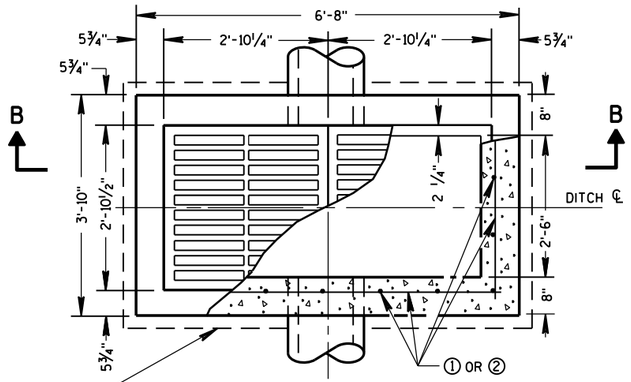
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

6
S.D.D. 8 C 7-2

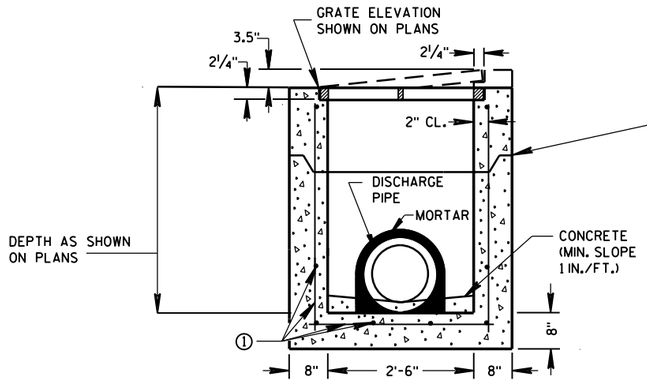


PLAN VIEW

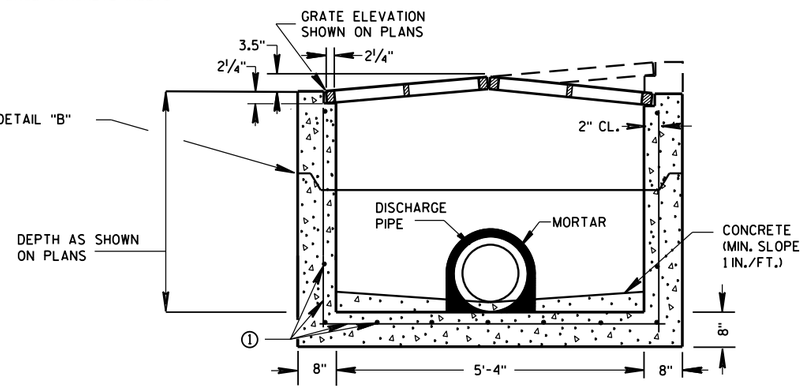


PLAN VIEW

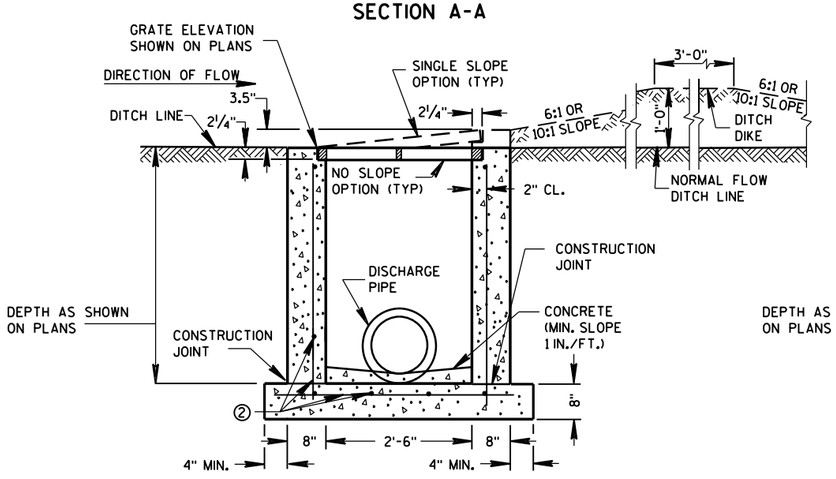
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



PRECAST REINFORCED CONCRETE SECTION A-A

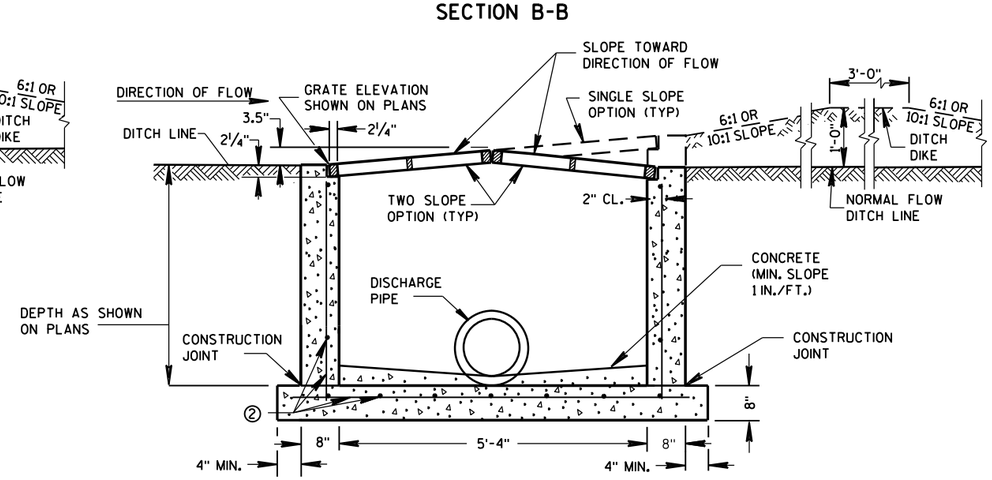


PRECAST REINFORCED CONCRETE SECTION B-B



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.

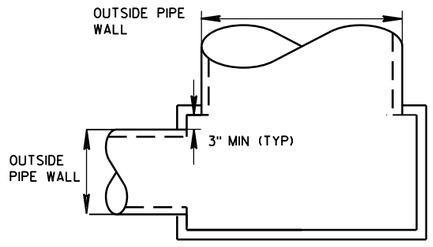
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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.

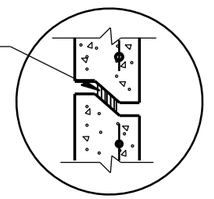
PIPE MATRIX

	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

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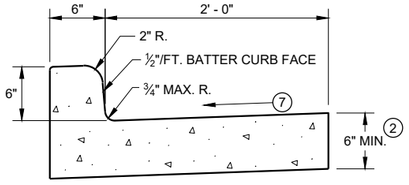
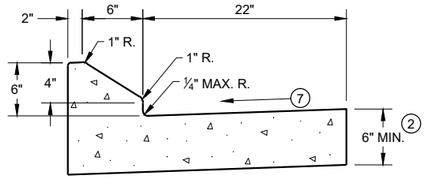
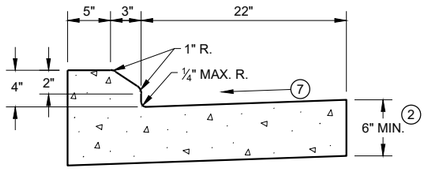
S.D.D. 8 C 8-2



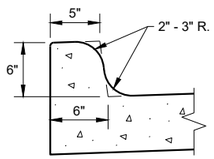
TYPES A[1] & D



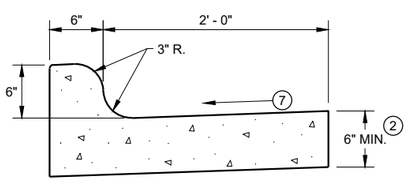
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

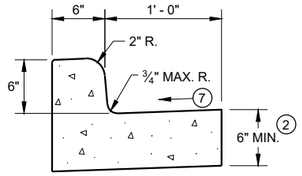


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



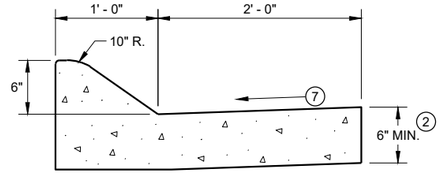
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"

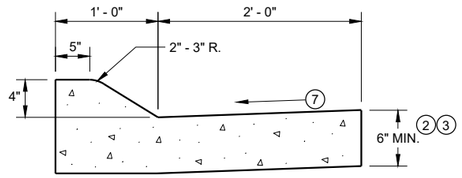


TYPES A[1] & D

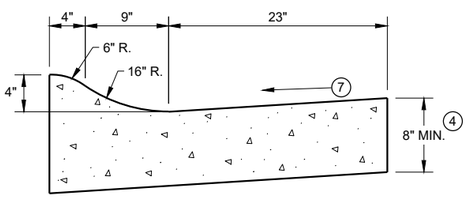
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A[1] & D



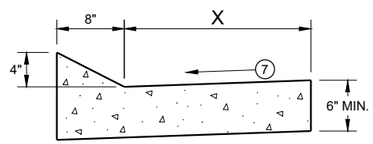
4" SLOPED CURB TYPES A[1] & D



4" SLOPED CURB TYPES R[1] & T[5]

CONCRETE CURB AND GUTTER 36"

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

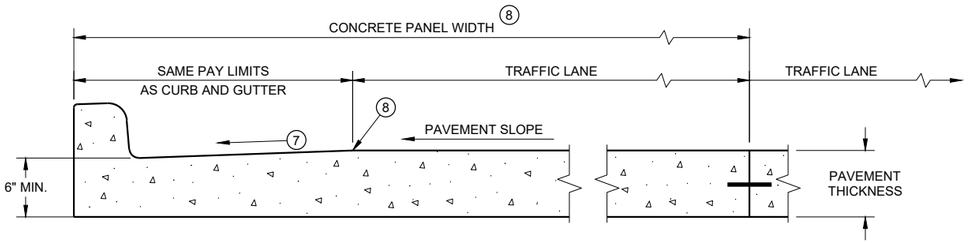


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

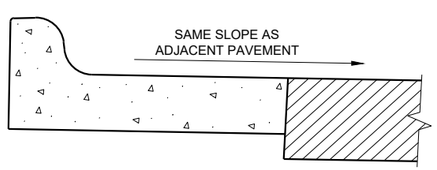
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



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

GENERAL NOTES

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

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

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

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

1. TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
3. USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
4. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
5. THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
6. WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
7. USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
8. INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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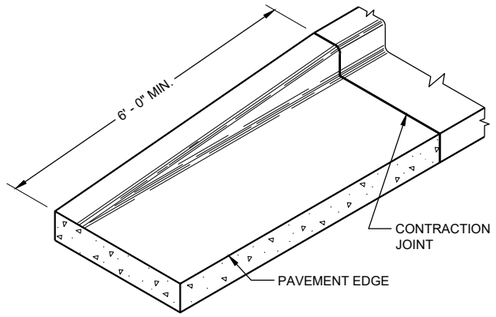
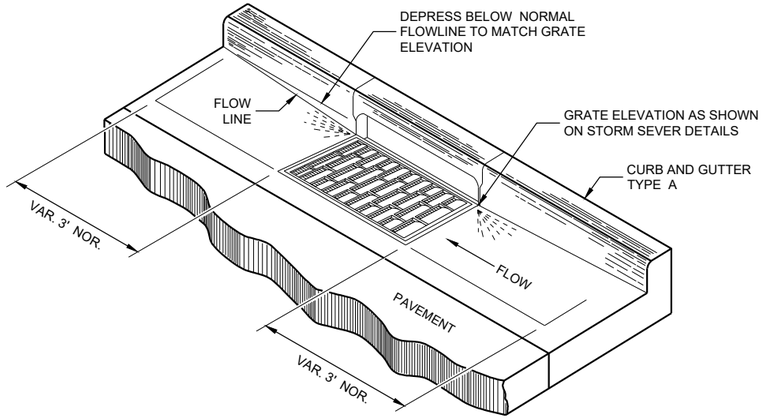
SDD 08D01 - 21a
SDD 08D01 - 21a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

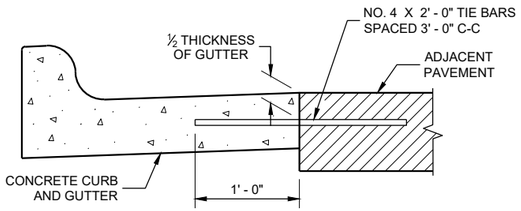
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

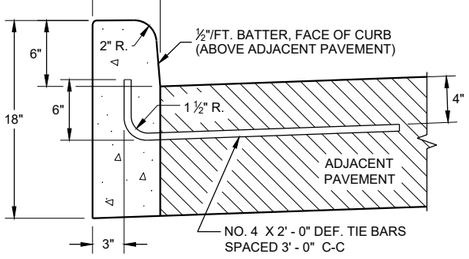
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

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

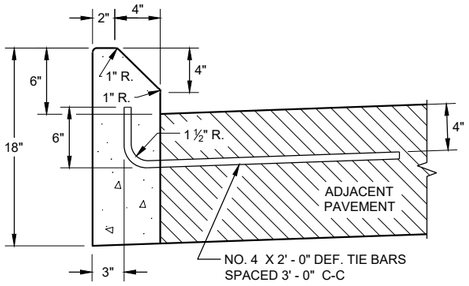
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

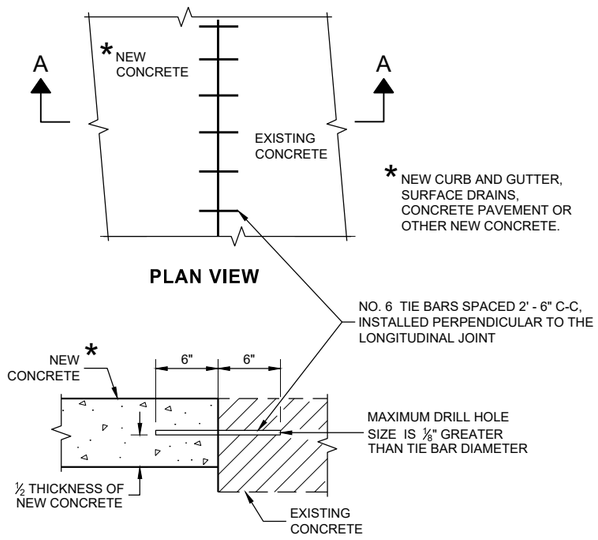


TYPES A (1) & D

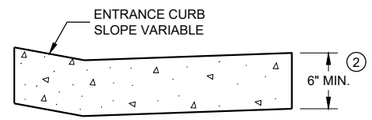


TYPES G (1) & J

CONCRETE CURB



TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED February 2020 DATE	/S/ Rodney Taylor ROADWAY STANDARDS DEVE ENGINEER
FHWA	105

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SDD08D01 - 21b

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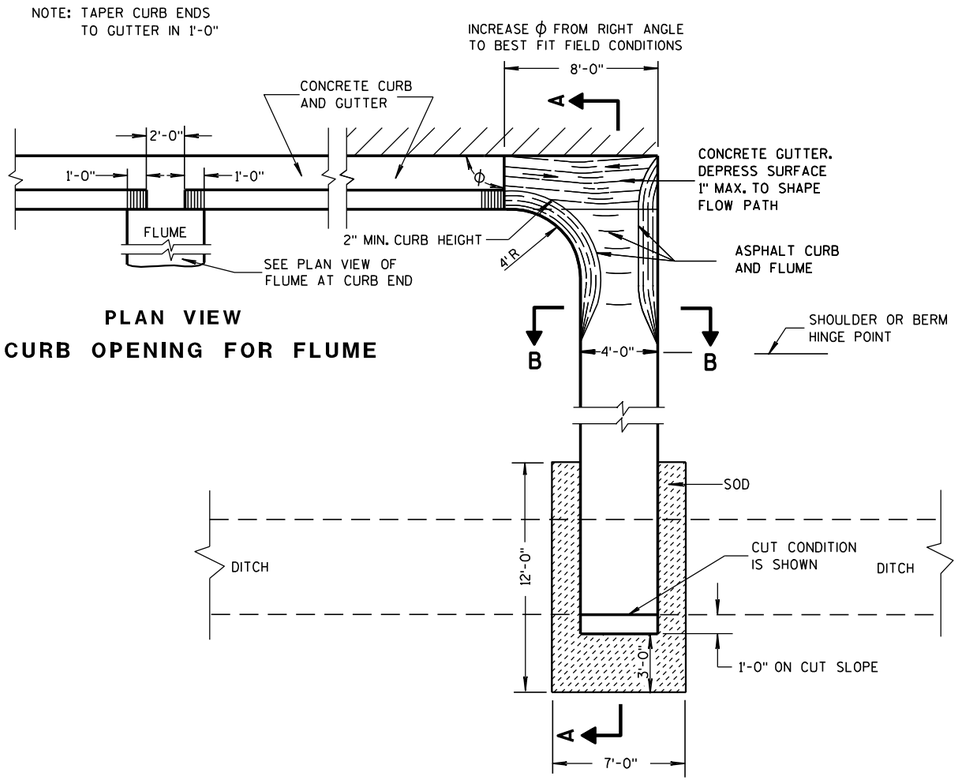
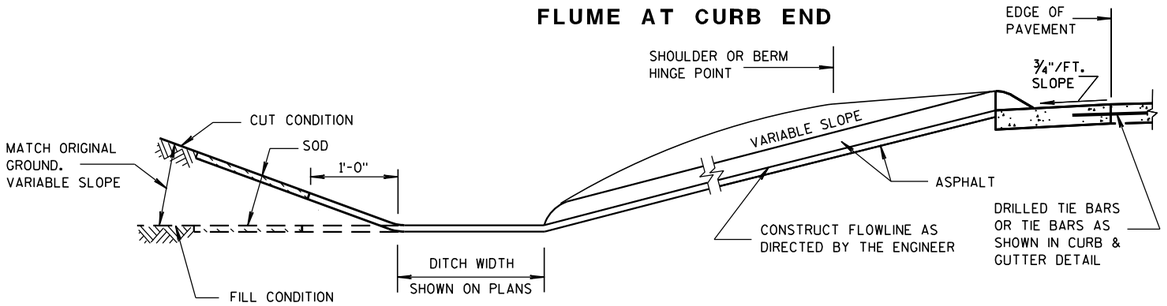
SDD08D01 - 21b

ASPHALTIC FLUME

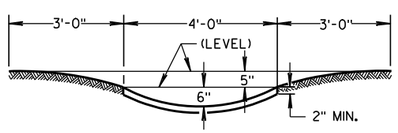


PLAN VIEW
CURB OPENING FOR FLUME

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.

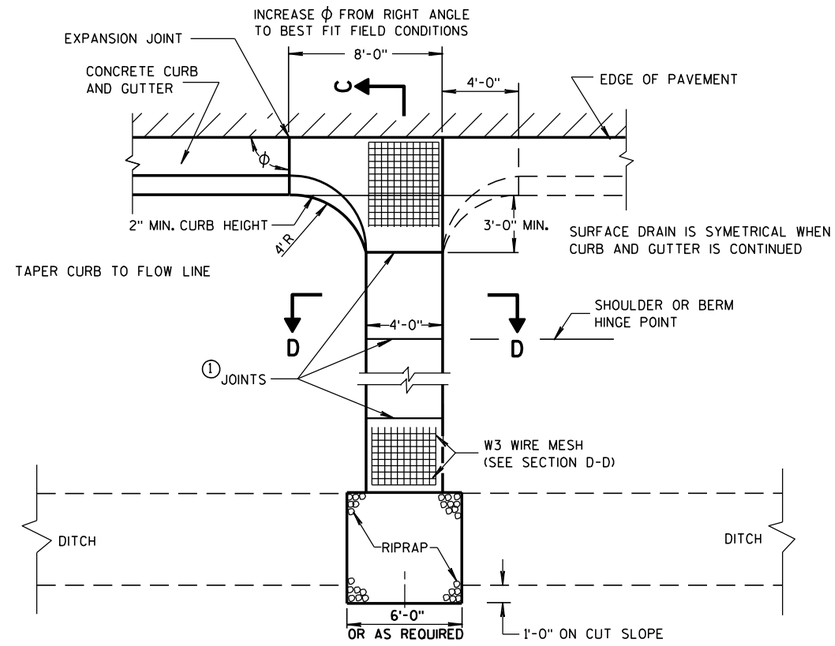
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

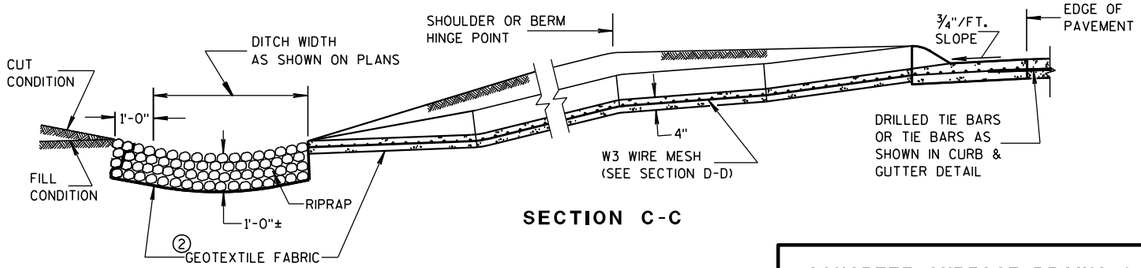
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

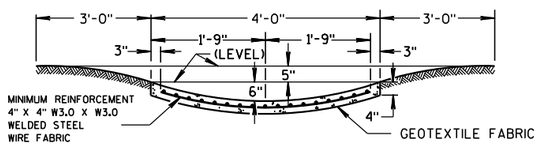
③ CONCRETE SURFACE DRAIN



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

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S.D.D. 8 D 4-5

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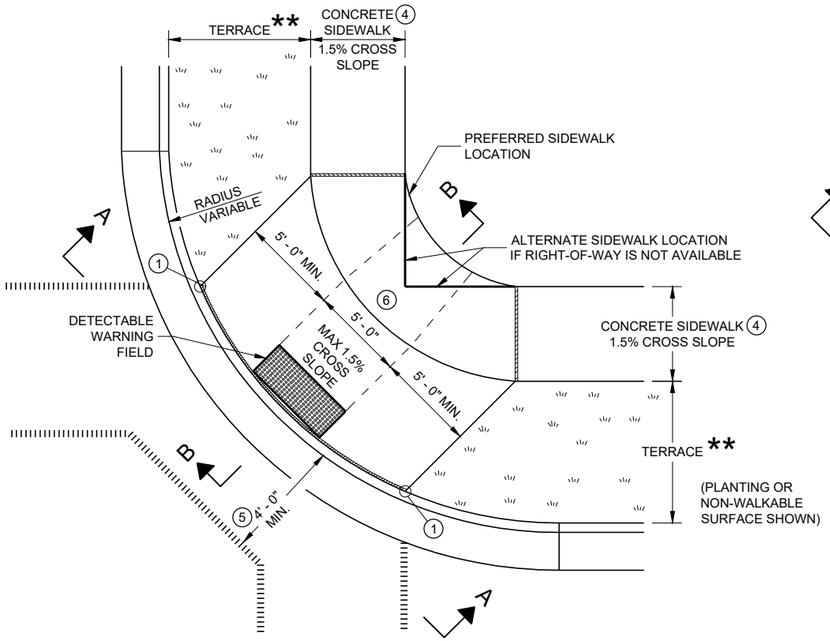
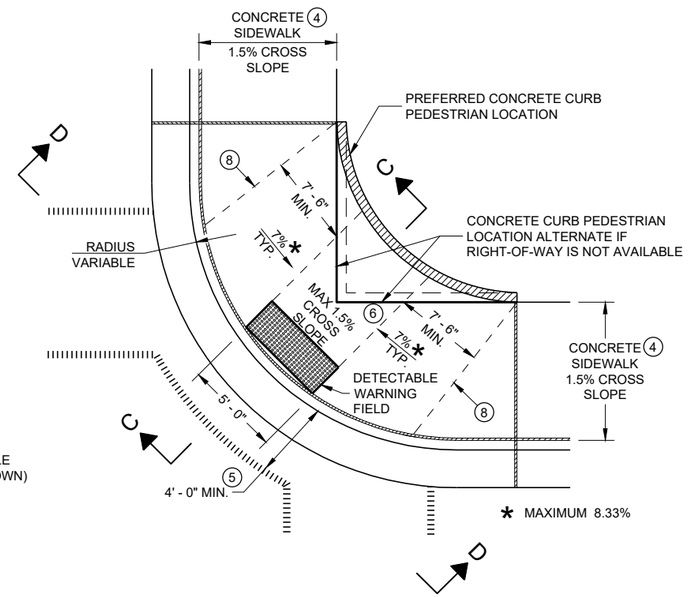
S.D.D. 8 D 4-5



PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

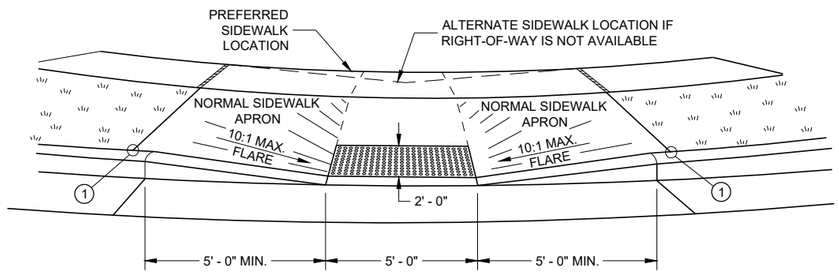
(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

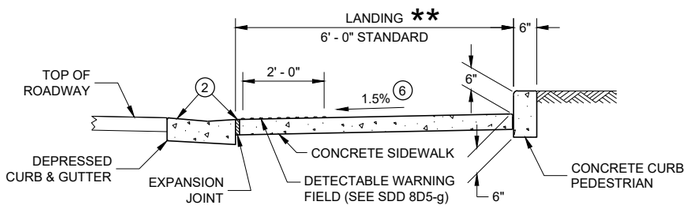
(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

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

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



VIEW A - A FOR TYPE 1

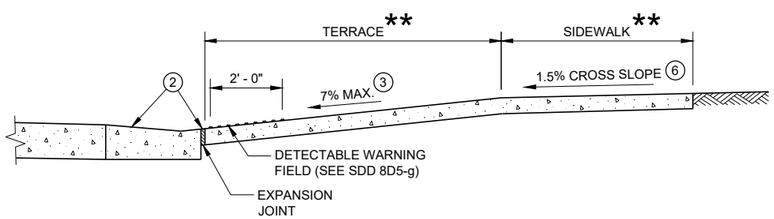


SECTION C - C FOR TYPE 1 - A

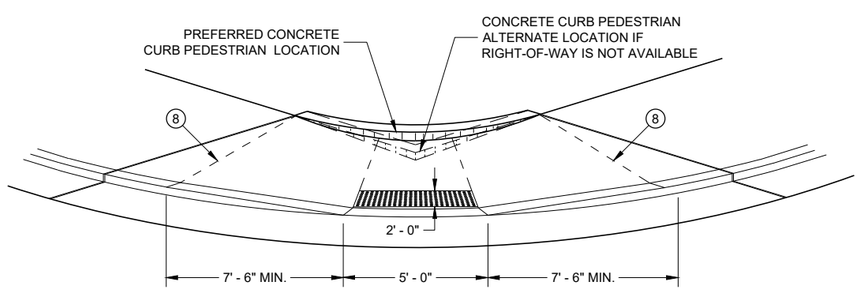
LEGEND

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

** WIDTH SHOWN ELSEWHERE IN THE PLANS

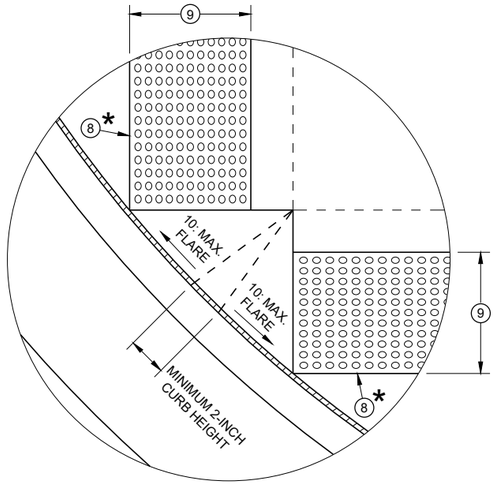


SECTION B - B FOR TYPE 1

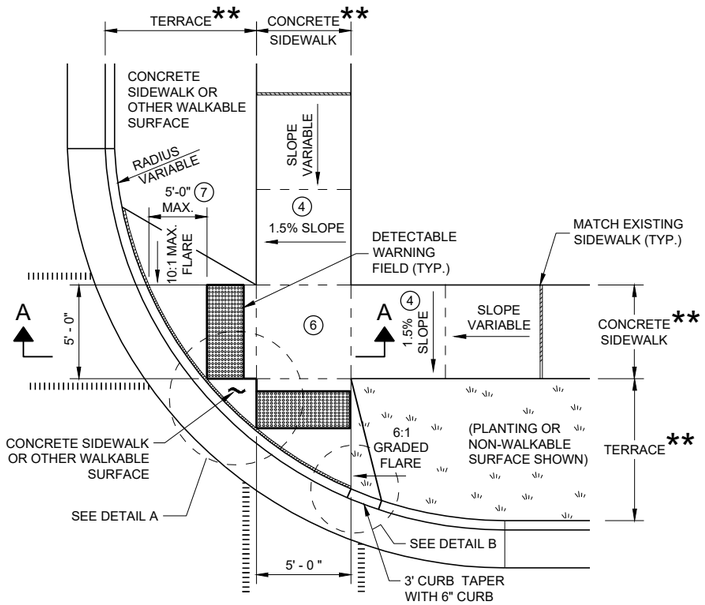


VIEW D - D FOR TYPE 1 - A

CURB RAMPS
TYPE 1 AND 1-A



DETAIL A



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

GENERAL NOTES

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

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

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

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

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

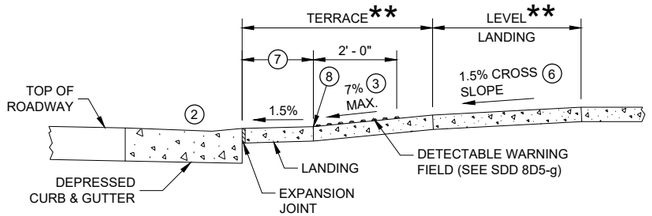
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

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

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

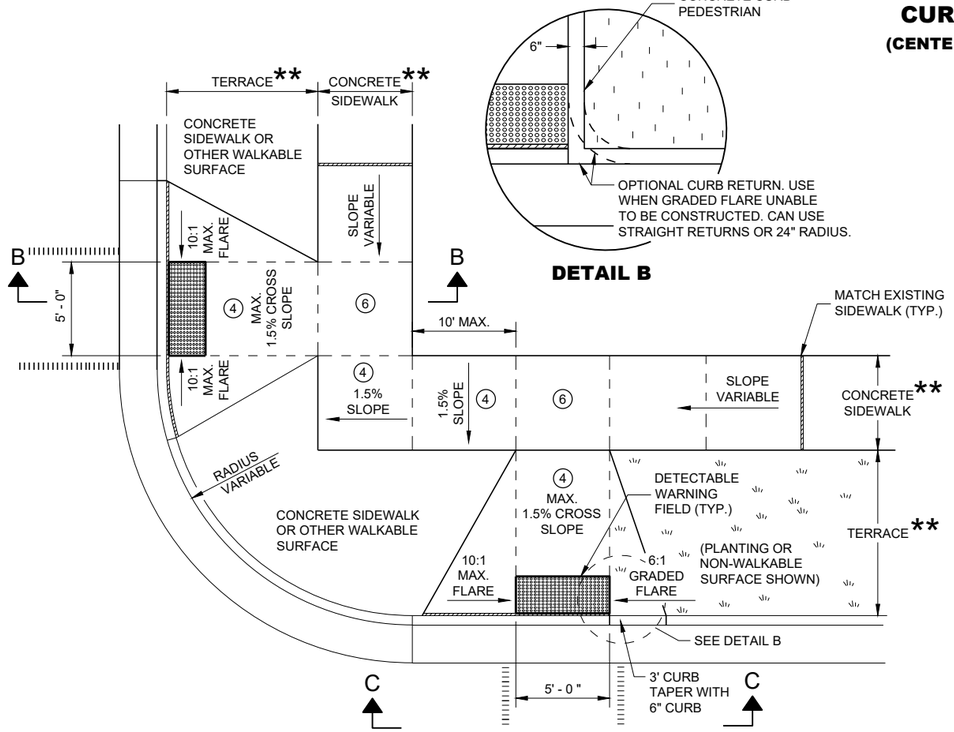
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

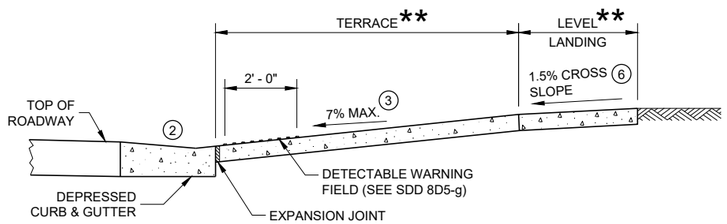
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

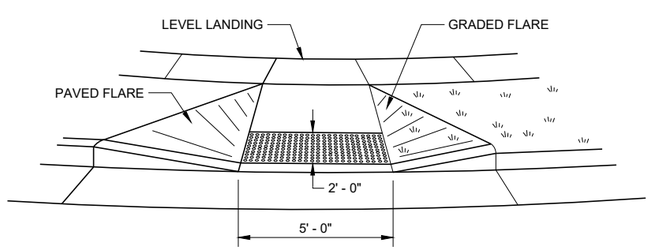


DETAIL B

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



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

LEGEND

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

CURB RAMPS TYPE 2 AND 3

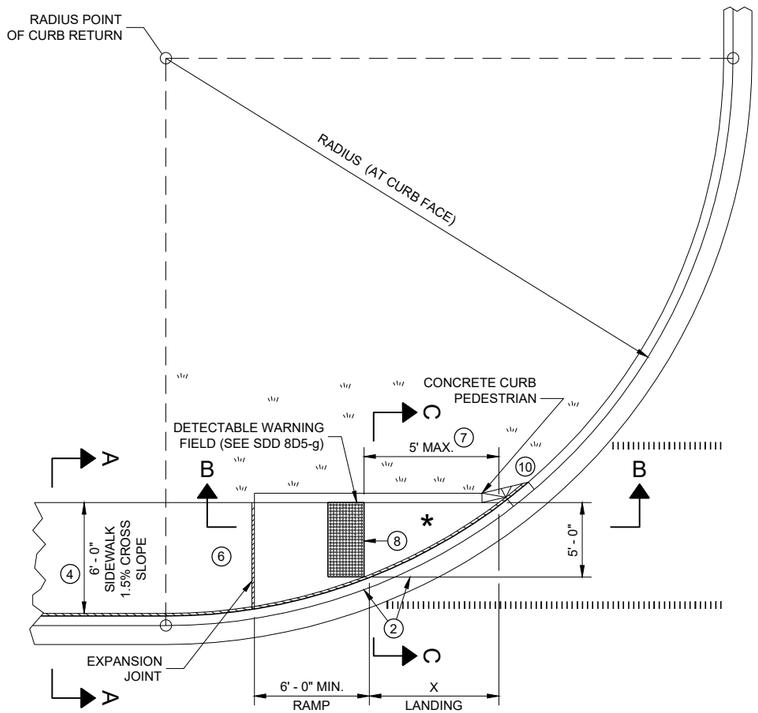
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

6

SDD 08D05 - 20b

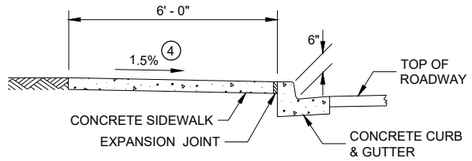


PLAN VIEW

CURB RAMP TYPE 4A

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

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

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

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

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

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

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

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

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

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

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

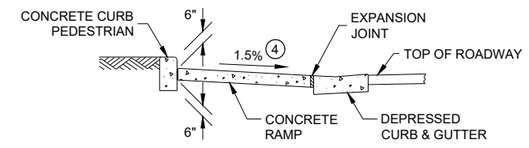
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

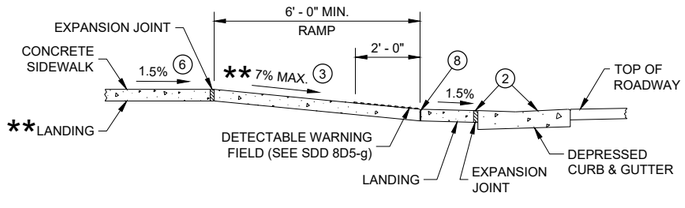
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



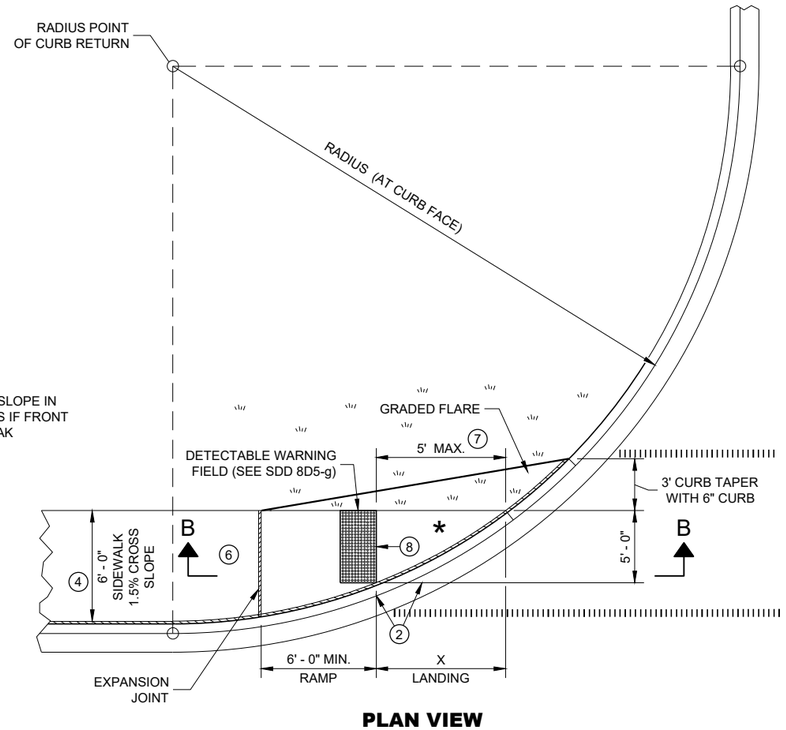
SECTION C - C FOR TYPE 4A



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

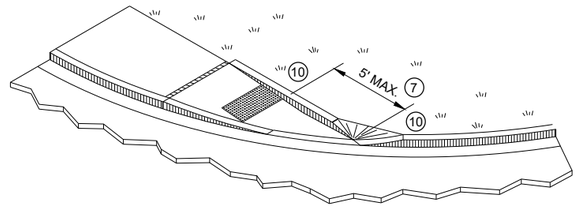
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

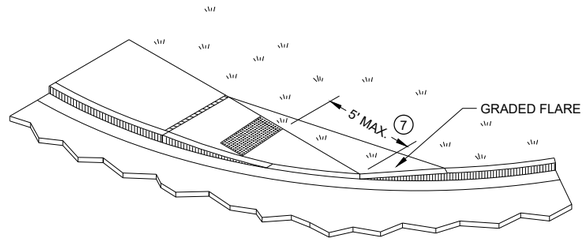


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



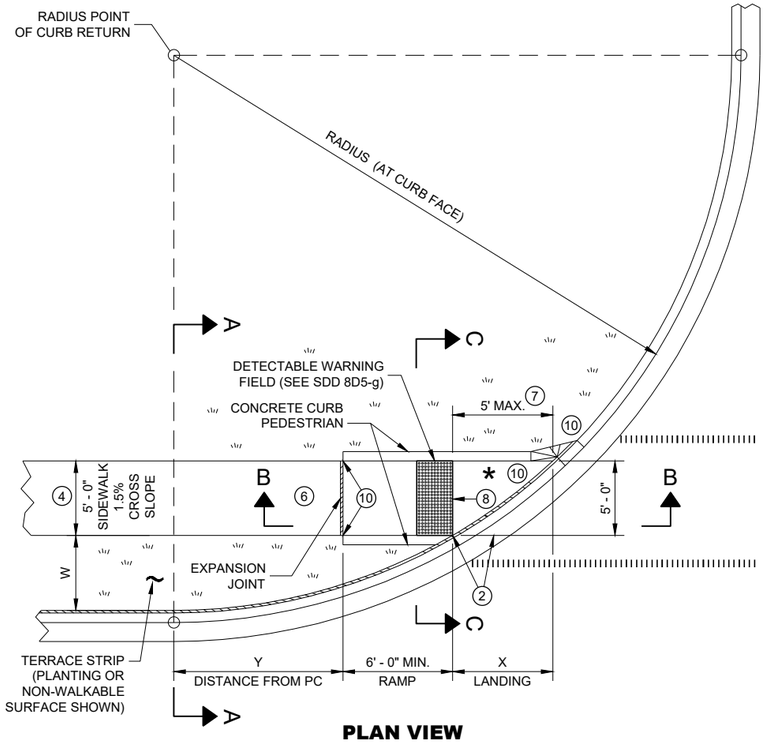
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

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

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

SECTION C - C FOR TYPE 4B

LEGEND

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

GENERAL NOTES

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

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

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

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

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

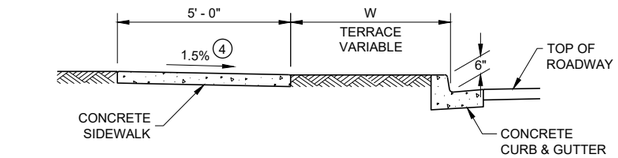
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

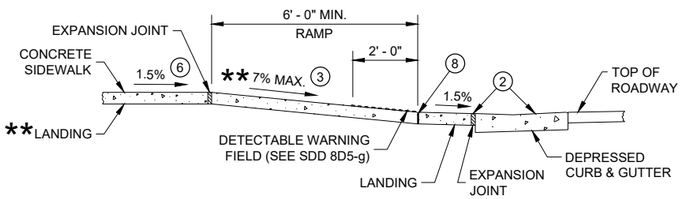
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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

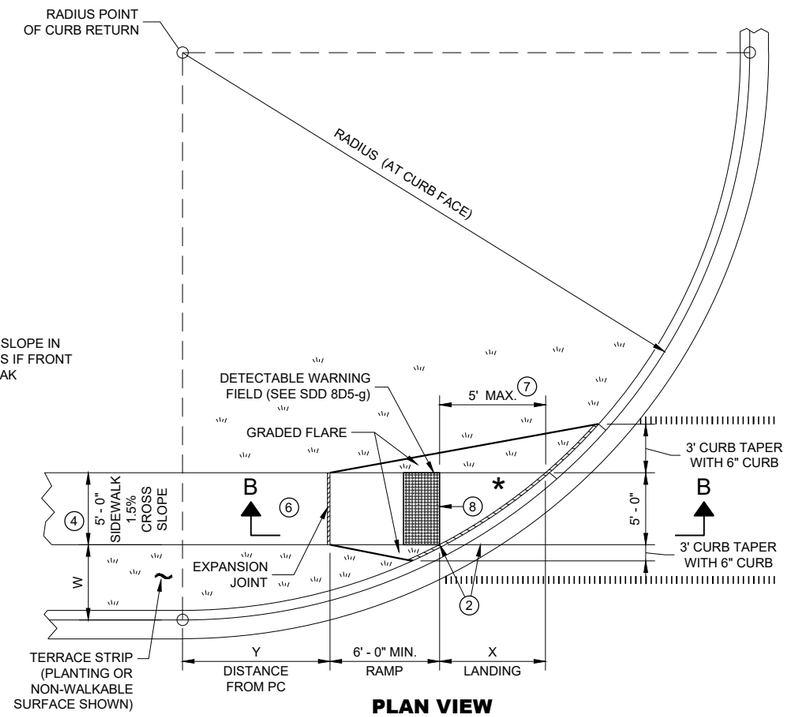


SECTION A - A FOR TYPE 4B



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

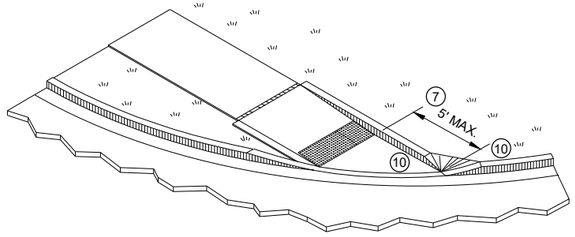
SECTION B - B FOR TYPE 4B AND TYPE 4B1



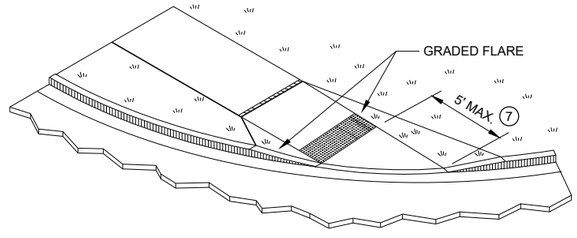
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



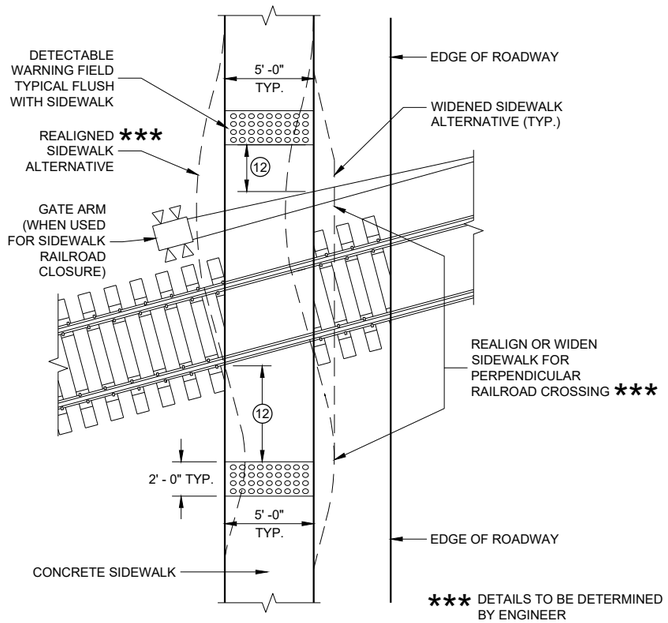
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

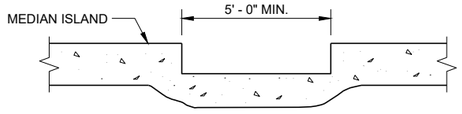
6

SDD 08D05 - 20d

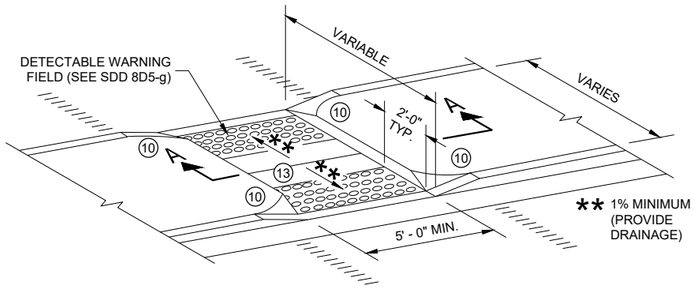


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

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

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

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

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

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

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

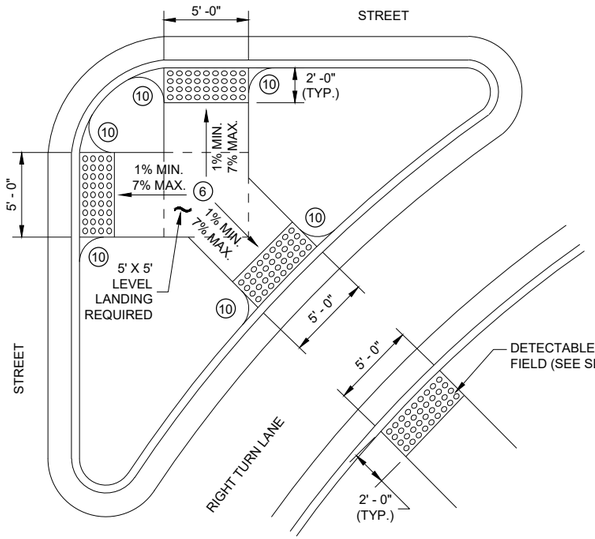
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

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

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

LEGEND

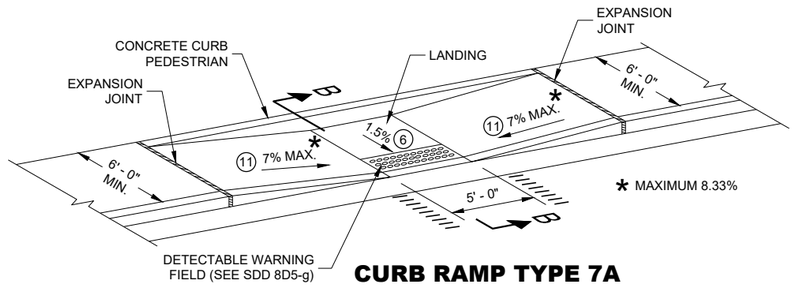
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

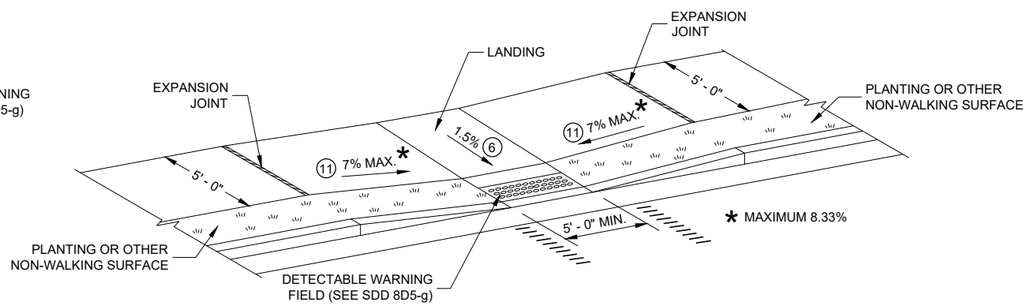
DETECTABLE WARNING AT ISLANDS

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



CURB RAMP TYPE 7A

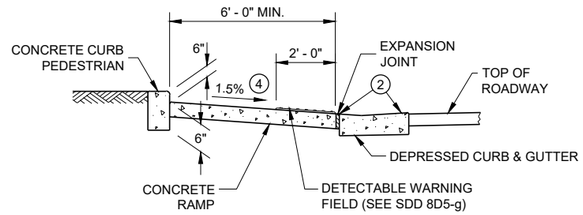
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

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



SECTION B - B FOR TYPE 7A

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

STATE OF WISCONSIN
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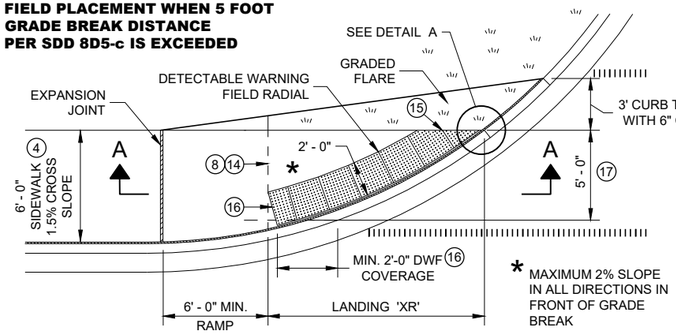
SDD 08D05 - 20e

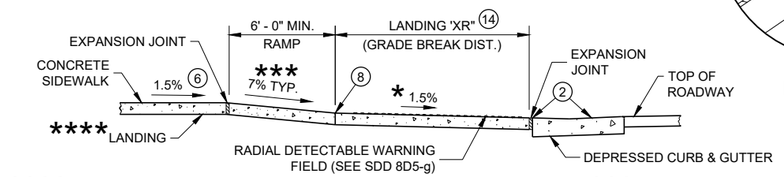
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

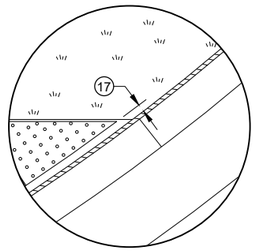
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



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

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

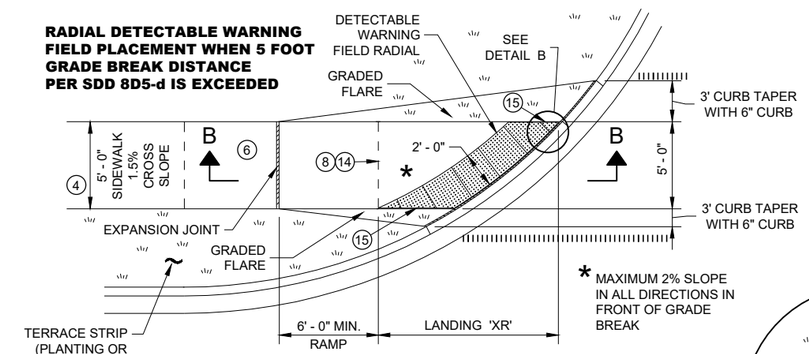
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

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

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

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

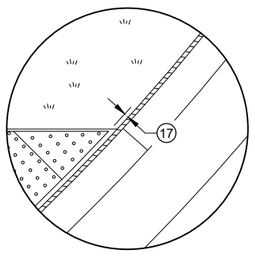
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



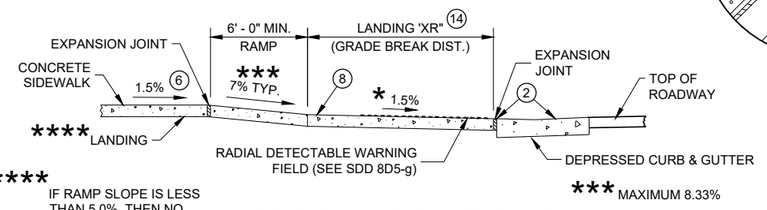
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

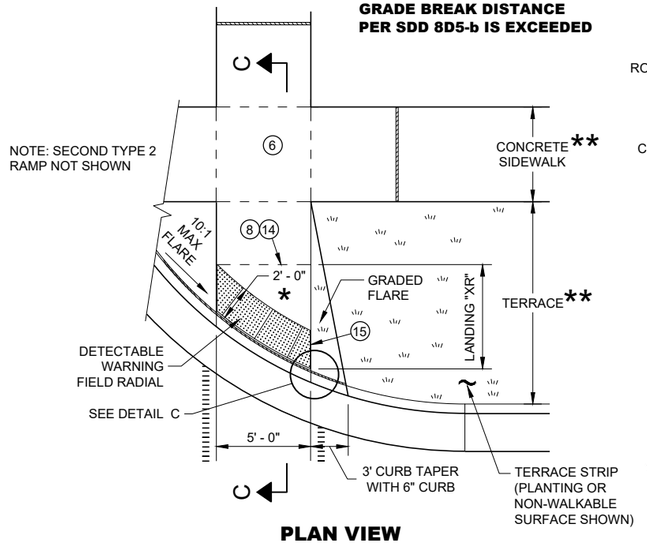


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

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

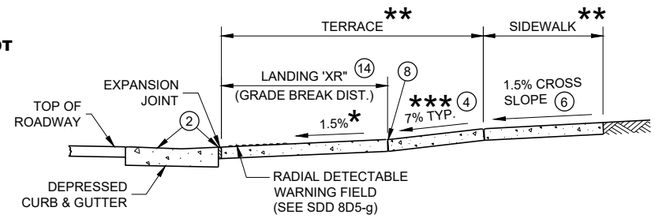


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

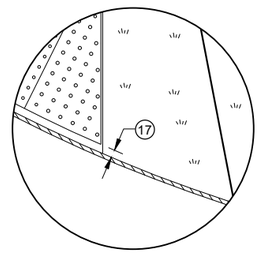


SECTION C - C FOR TYPE 2

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

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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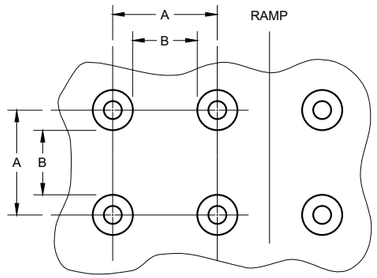
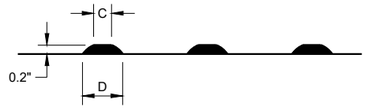
SDD 08D05 - 20f

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

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

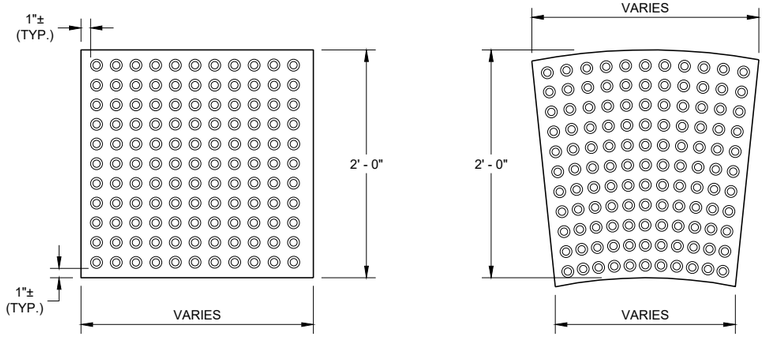


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

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

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

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

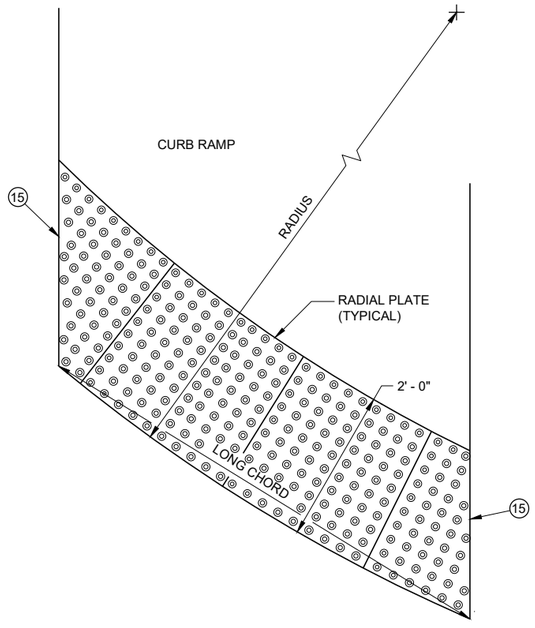
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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

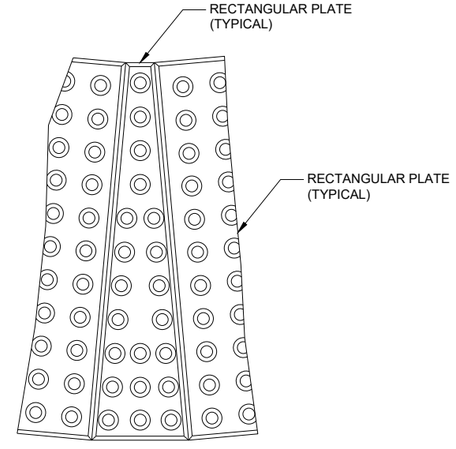
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

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



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

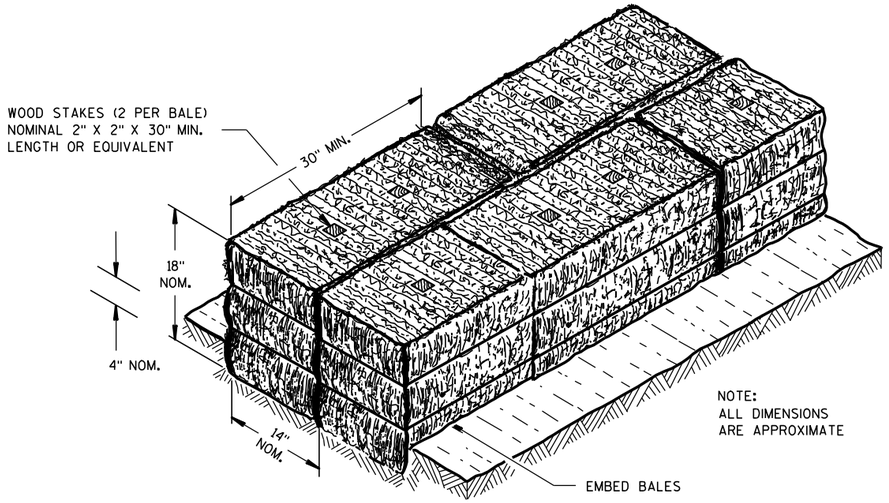
CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

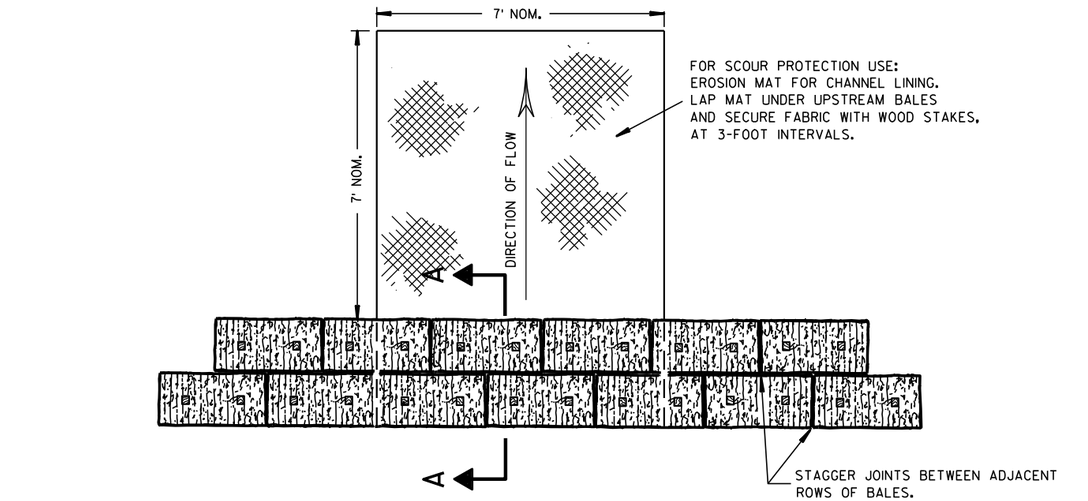
APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

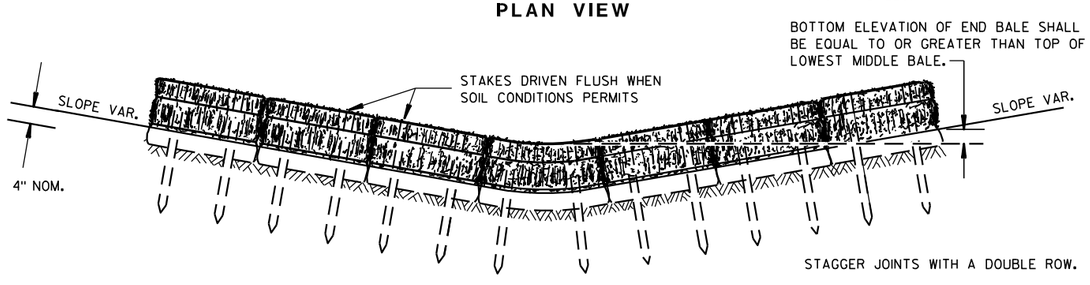
6
SDD 08D05 - 20g



SECTION A-A



PLAN VIEW



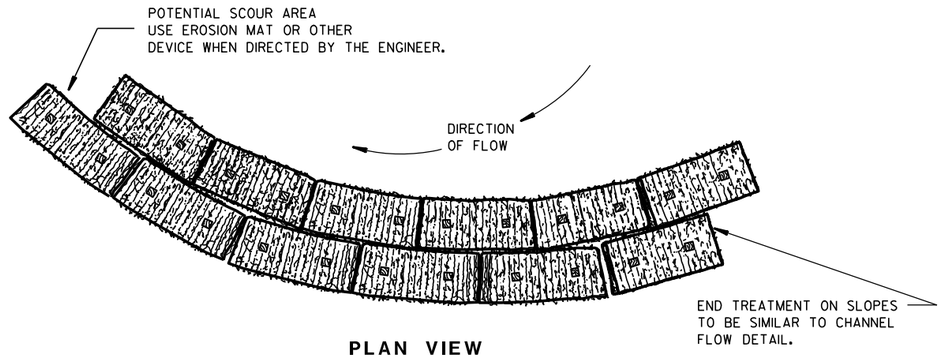
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

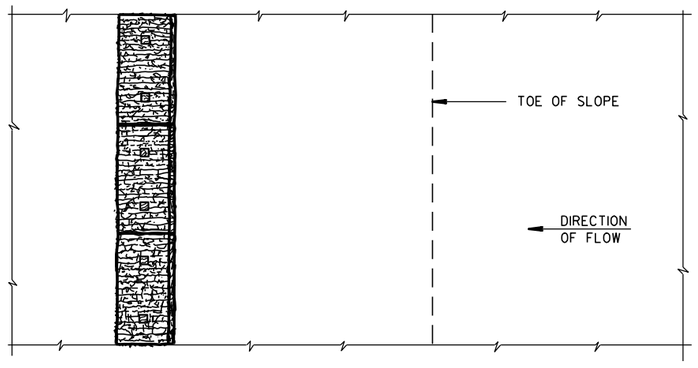
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

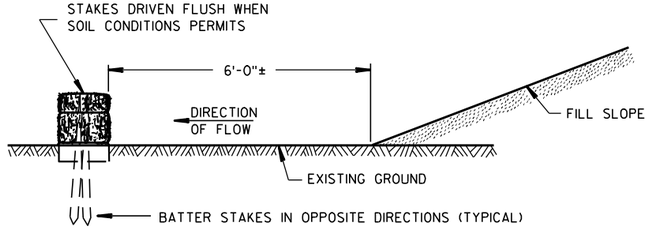


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

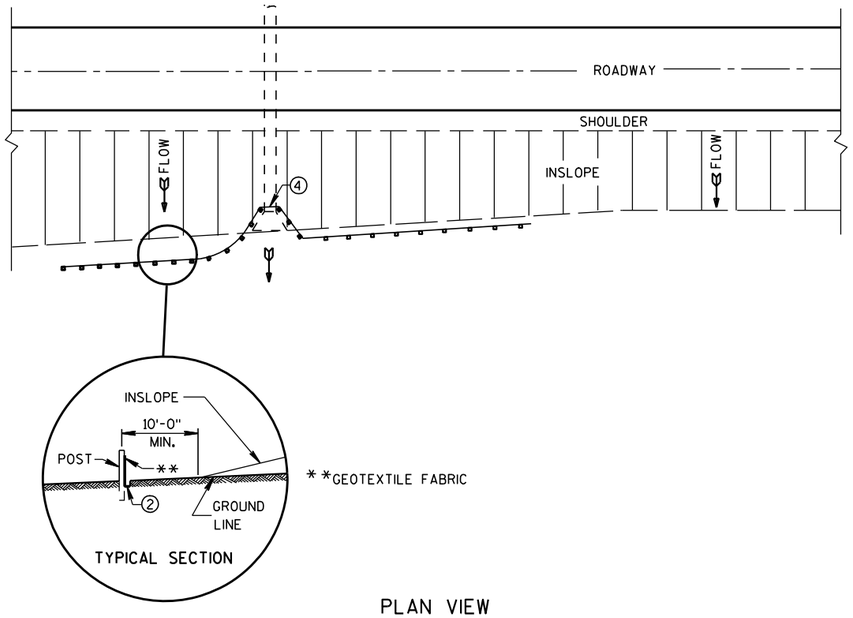
WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

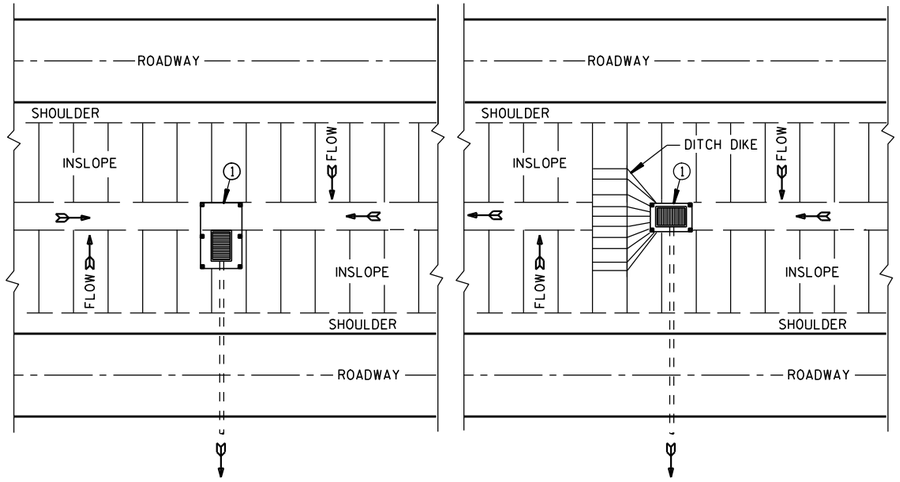
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/04/02 DATE
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA



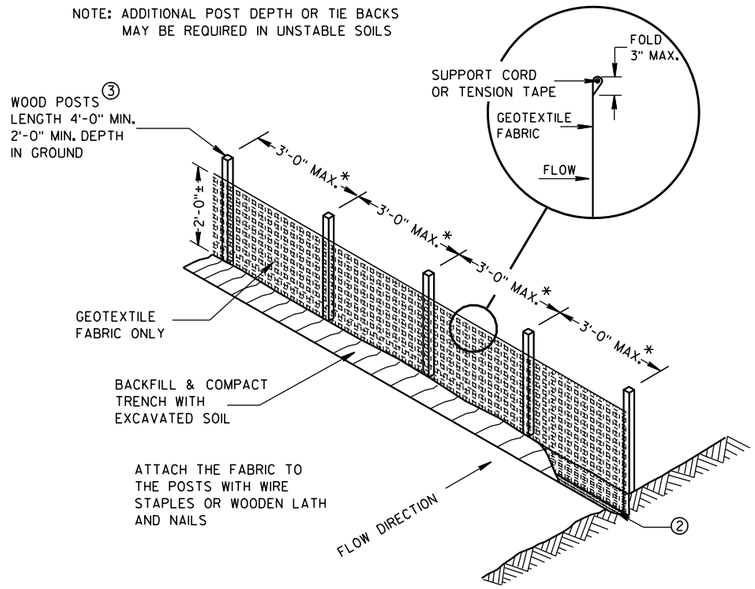
PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



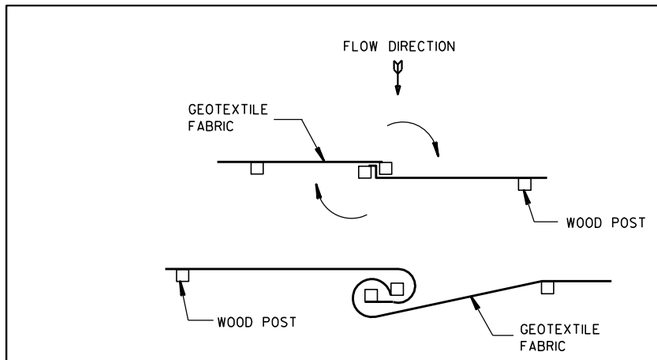
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

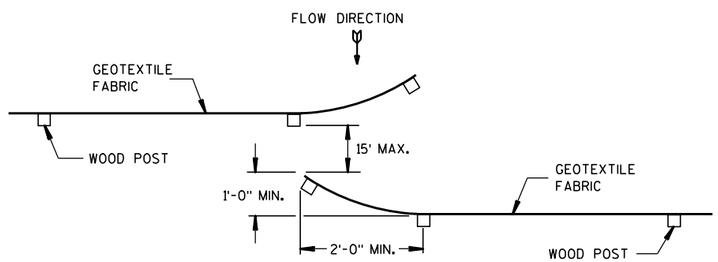


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE



TWIST METHOD



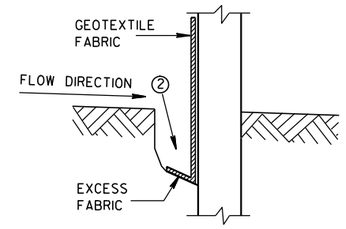
HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5

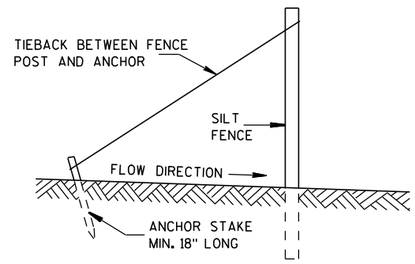
GENERAL NOTES

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

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE 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

S.D.D. 8 E 9-6

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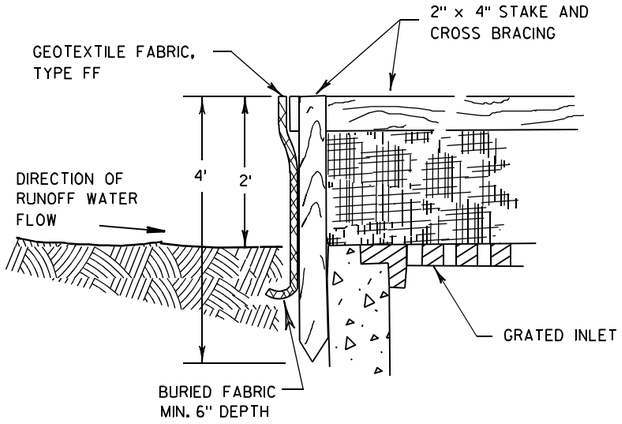
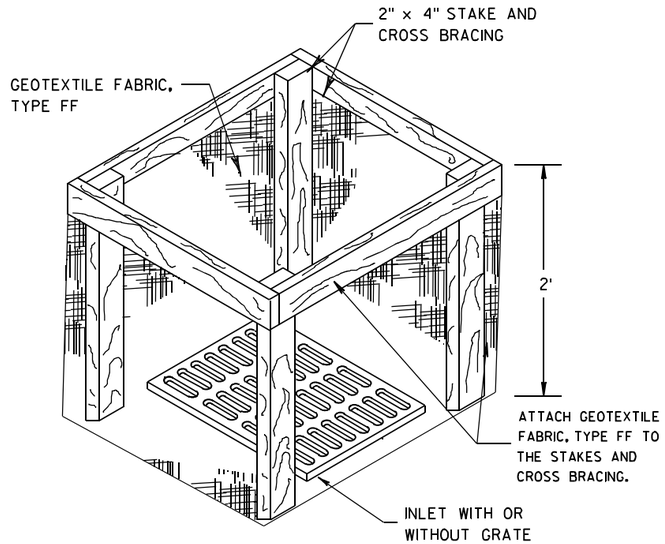
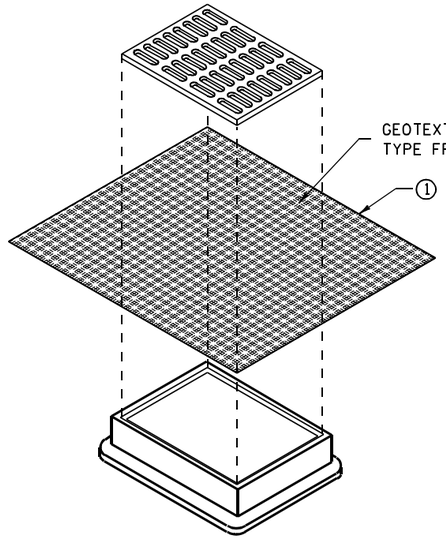


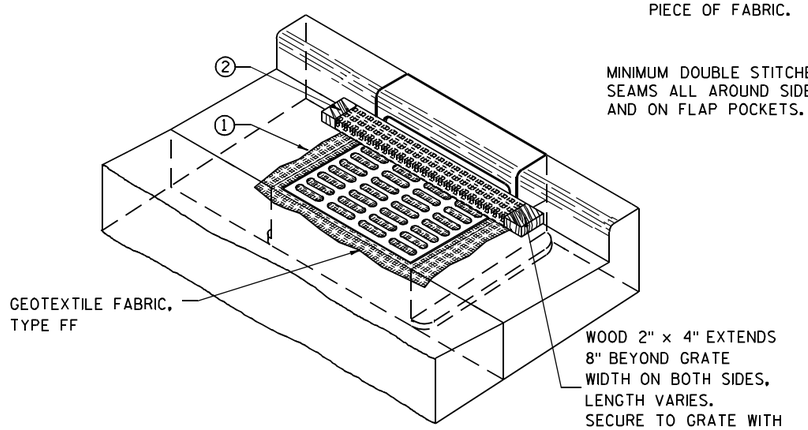


INLET PROTECTION, TYPE A

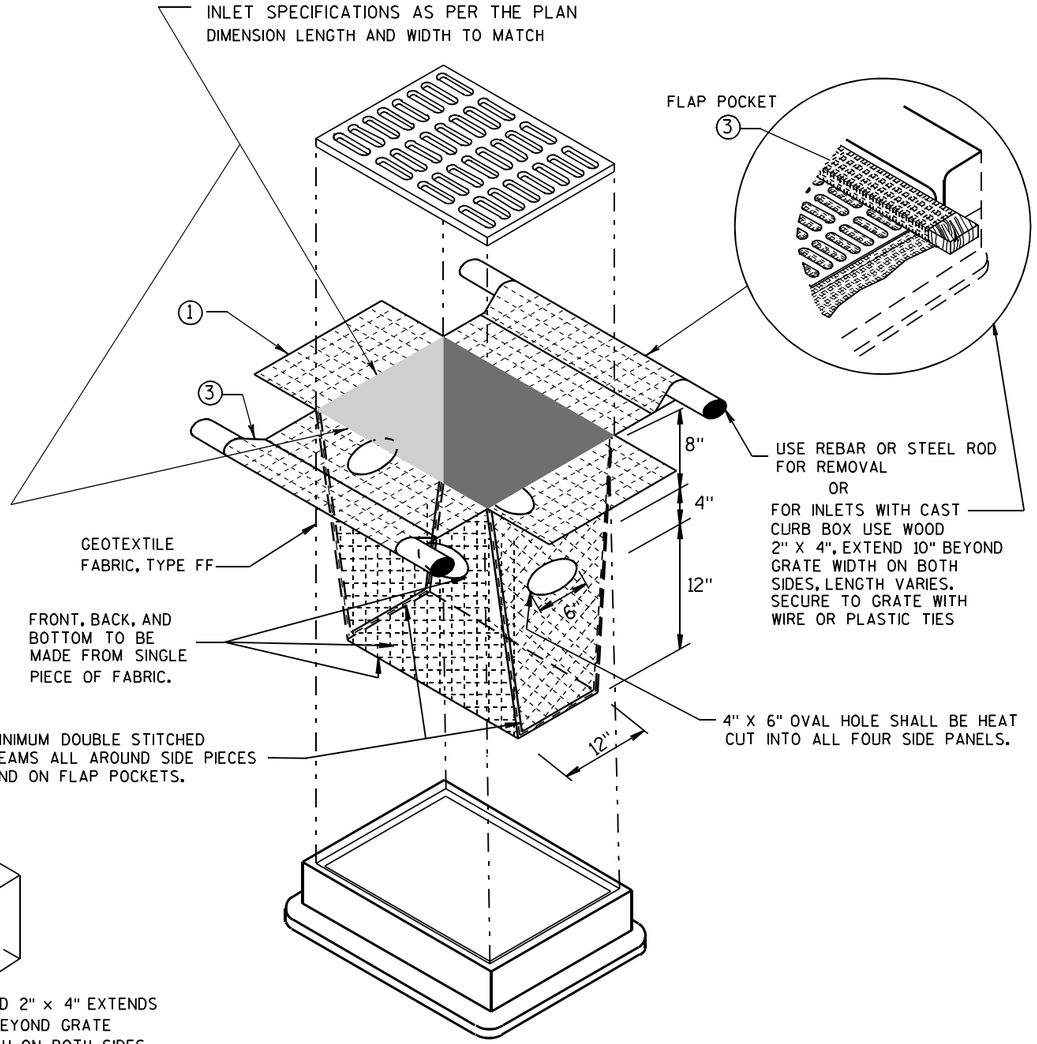


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

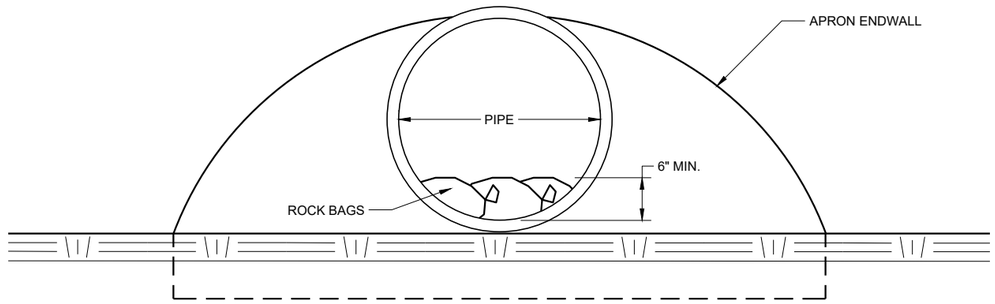
10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

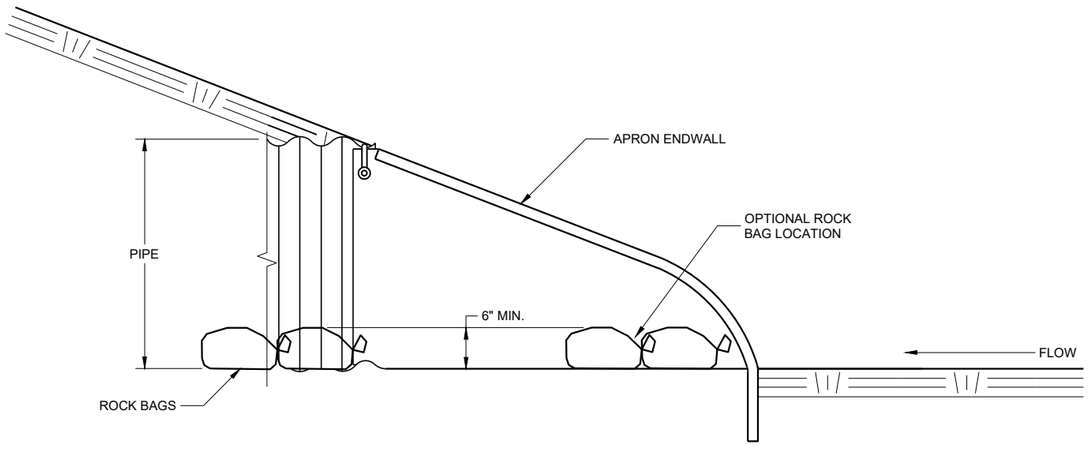
FHWA

6

S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

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SDD 08E15 - 01

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SDD 08E15 - 01

METAL APRON ENDWALLS

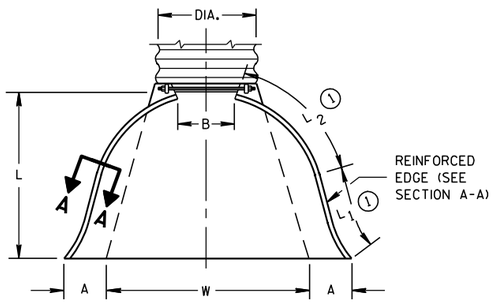
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

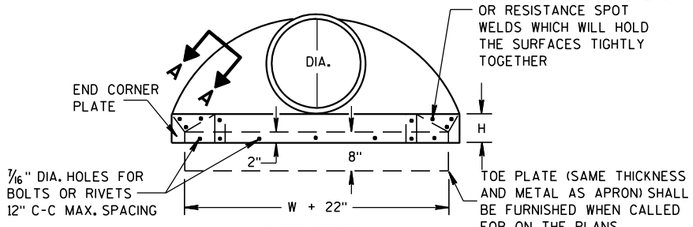
REINFORCED CONCRETE APRON ENDWALLS

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



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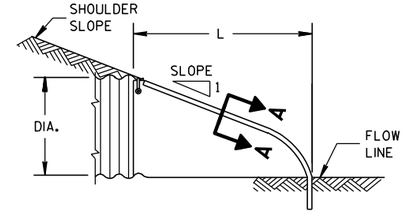
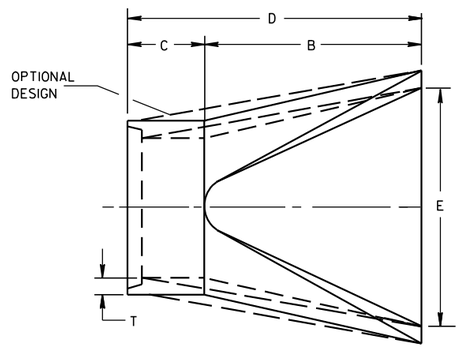
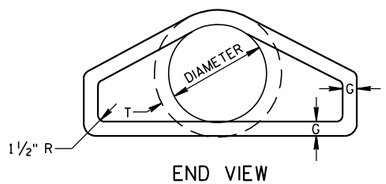


SIDE ELEVATION

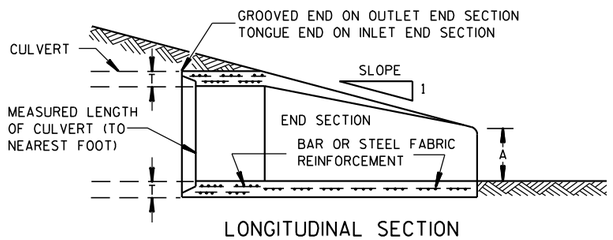
METAL ENDWALLS



PLAN

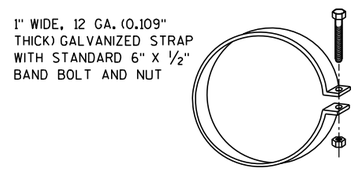


END VIEW



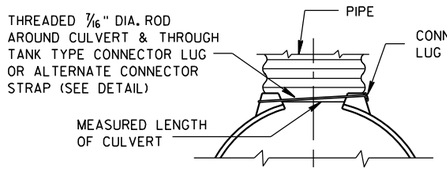
LONGITUDINAL SECTION

CONCRETE ENDWALLS

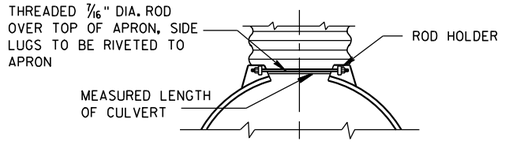


ALTERNATE FOR TYPE 1 CONNECTION

END SECTION CONNECTOR STRAP

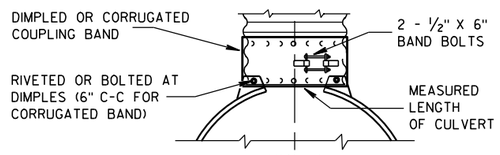


TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

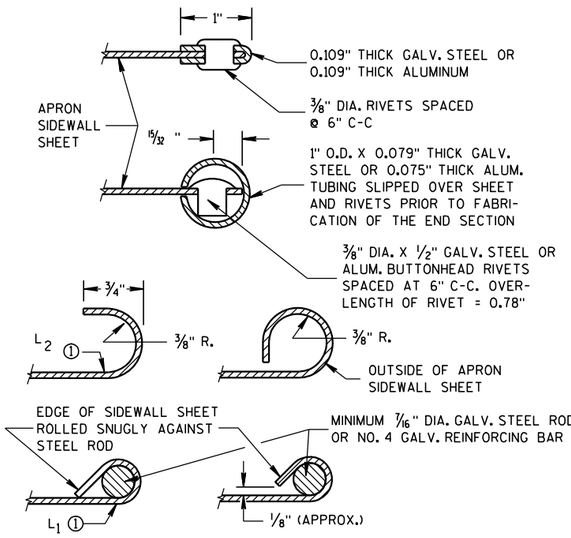
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

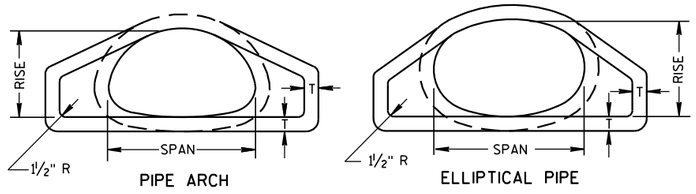
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

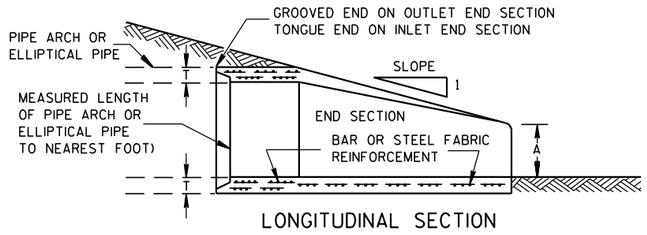
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

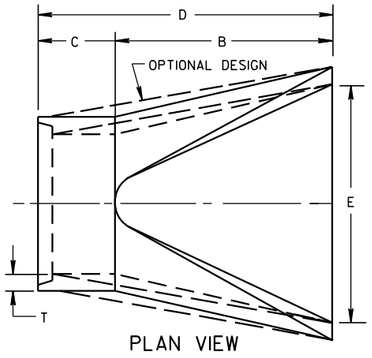
6
S.D.D. 8 F 1-11



END VIEW

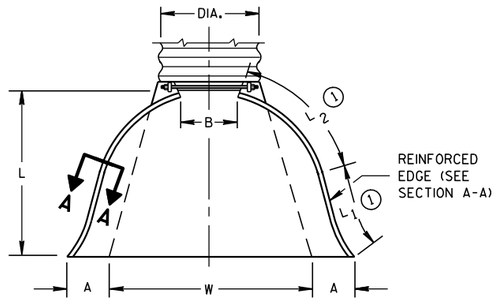


LONGITUDINAL SECTION

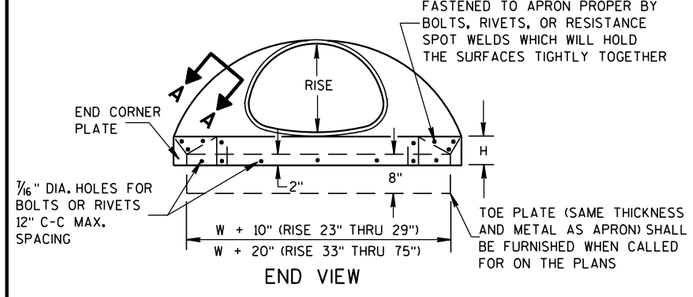


PLAN VIEW

CONCRETE ENDWALLS

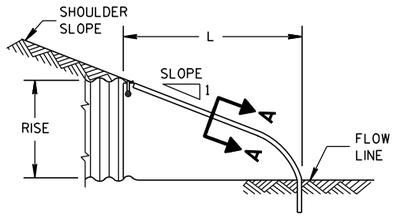


PLAN VIEW



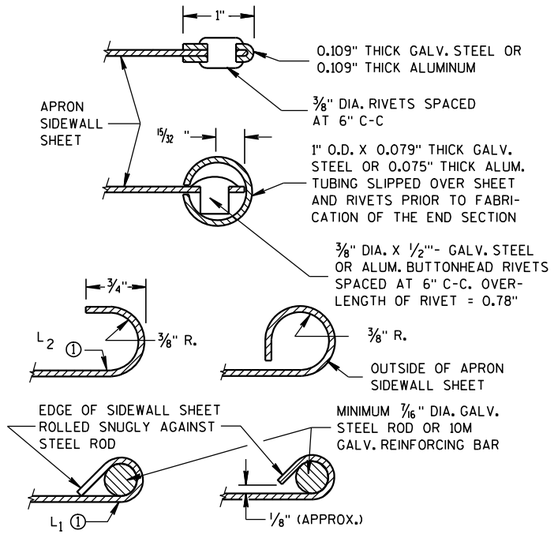
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

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

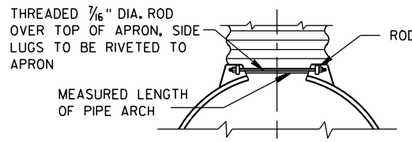
REINFORCED CONCRETE PIPE ARCH

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

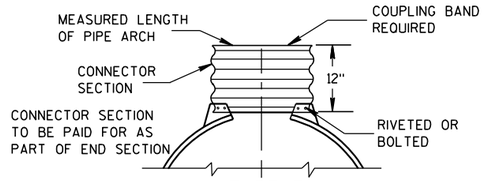
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



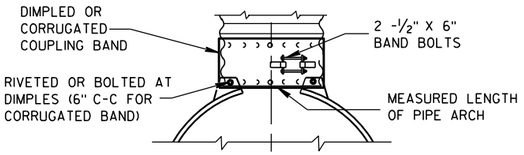
TYPE 2

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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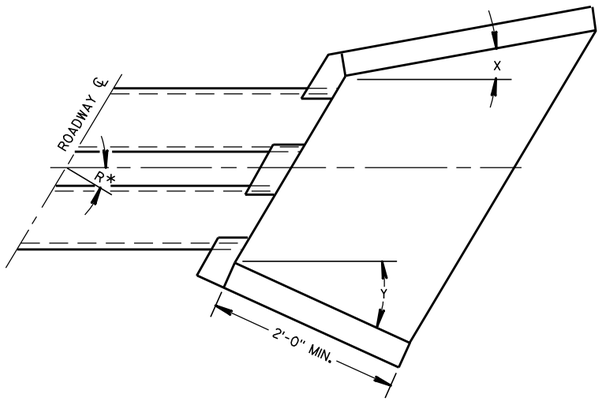
S.D.D. 8 F 2-1



WINGWALL ANGLE DETAILS

INLET			OUTLET		
R*	X	Y	R*	X	Y
0 - 7°	30°	30°	0 - 15°	15°	15°
8 - 22°	25°	"	16 - 45°	10°	"
23 - 37°	20°	"	46 - 75°	5°	"
38 - 52°	15°	"	OVER 75°	0°	"
53 - 67°	10°	"			
68 - 82°	5°	"			
OVER 82°	0°	"			

*R = NUMBER OF DEGREES RIGHT OR LEFT HAND FORWARD

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.

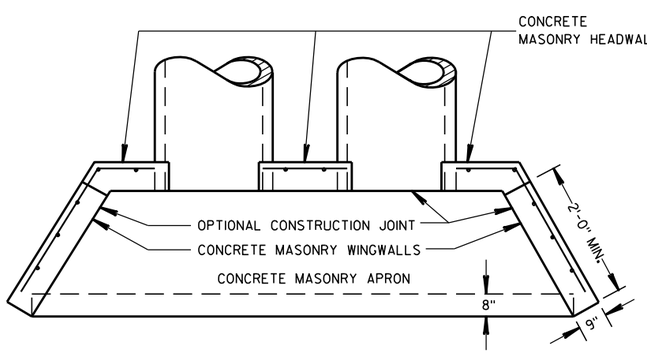
FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

ALL STEEL REINFORCEMENT AND WELDED STEEL WIRE FABRIC SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE NOTED.

(1) MINIMUM REINFORCEMENT SHALL BE 6" X 6" - W4.0 X W4.0 OR NO. 3 BARS SPACED 12" C-C IN BOTH DIRECTIONS.

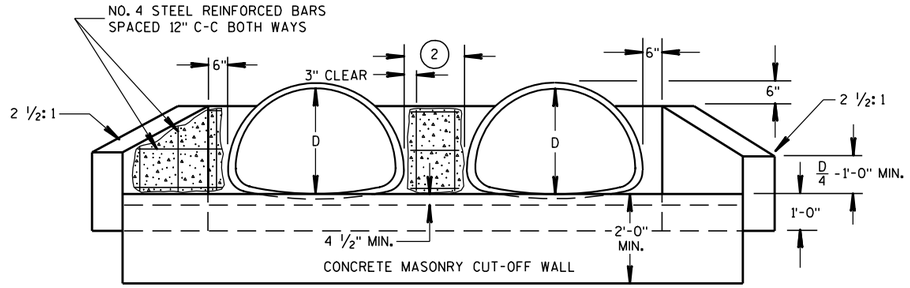
(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2'-0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3'-0"



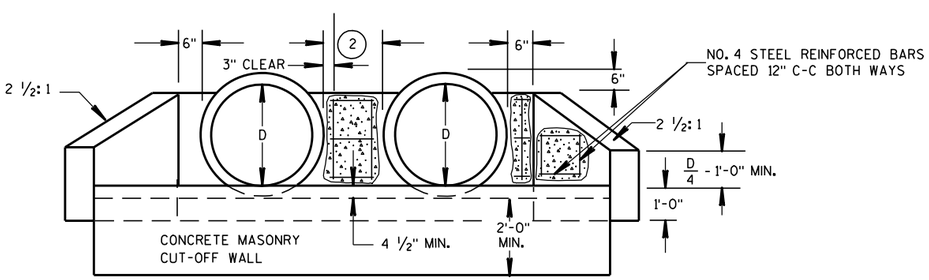
PLAN VIEW

CULVERT PIPE AND PIPE ARCH



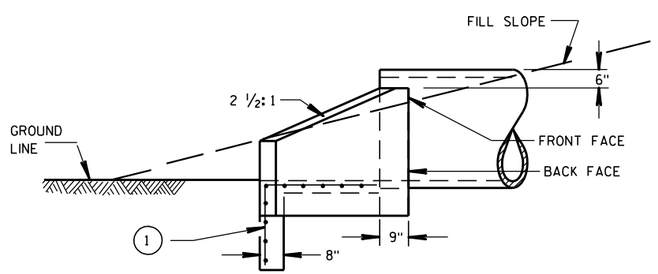
END ELEVATION

PIPE ARCH



END ELEVATION

CULVERT PIPE



SIDE ELEVATION

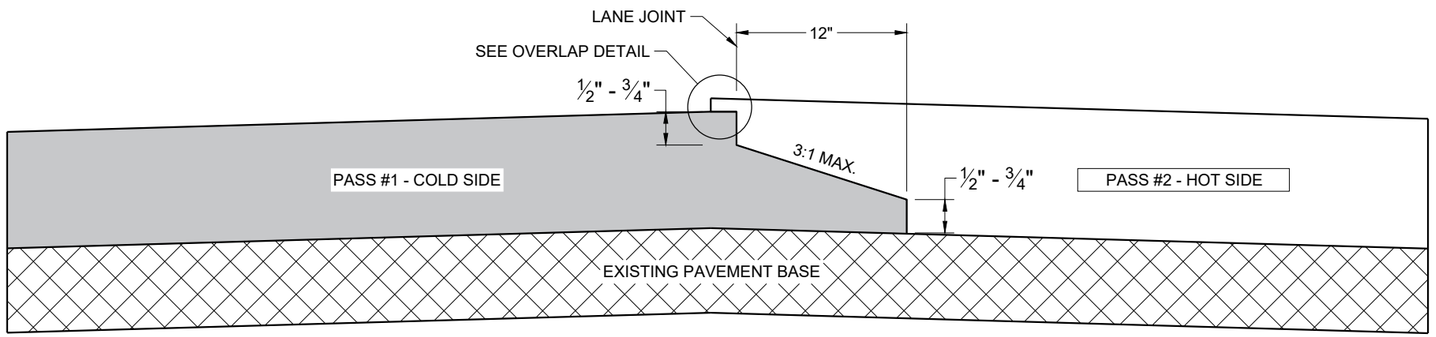
CULVERT PIPE AND PIPE ARCH

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

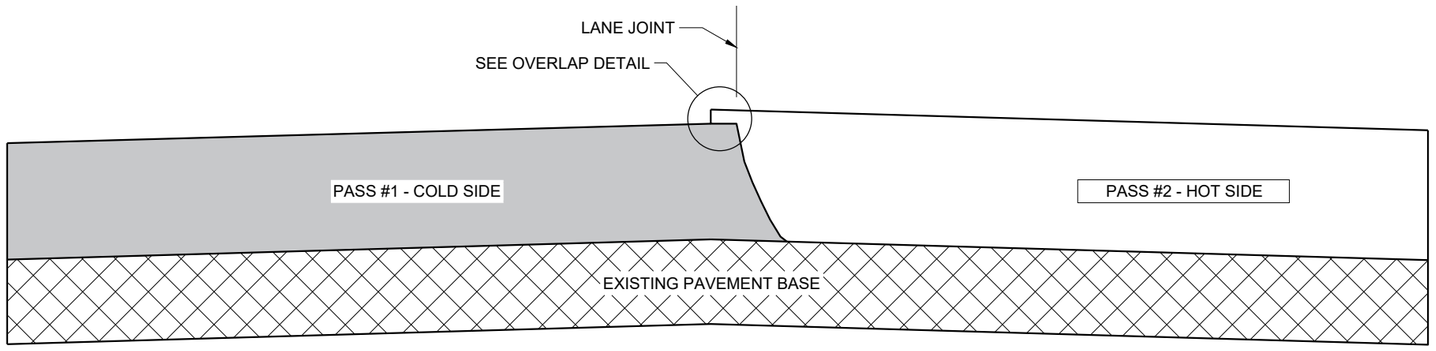
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/14/98 DATE
/S/ Rory L. Rhinehart
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

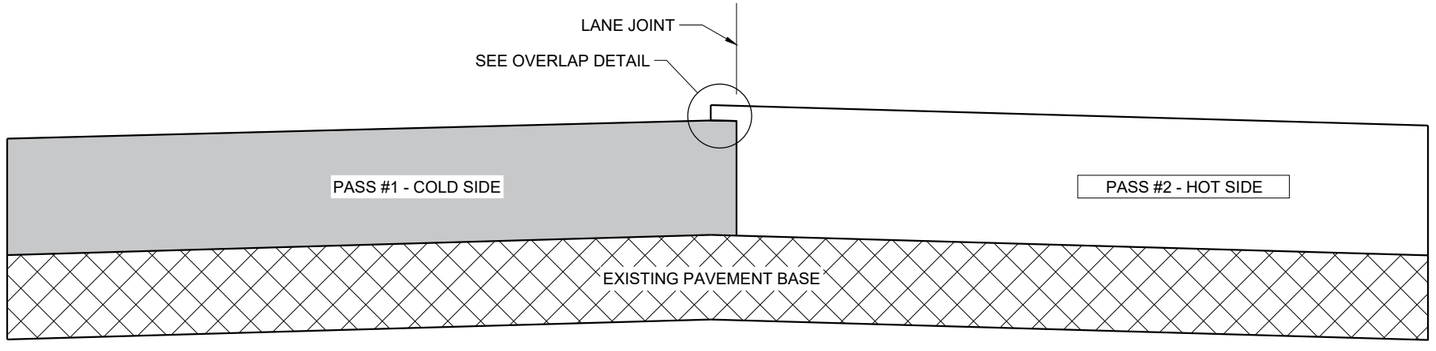
6
S.D.D. 8 F 10-1



TYPICAL PAVEMENT CROSS SECTION
OF NOTCHED WEDGE LONGITUDINAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL LONGITUDINAL JOINT



TYPICAL PAVEMENT CROSS SECTION
OF MILLED LONGITUDINAL JOINT

GENERAL NOTES

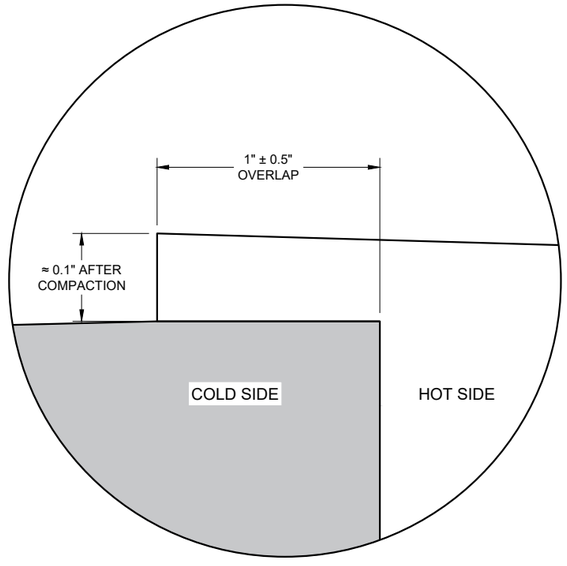
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION.

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

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SDD 13C19 - 02

SDD 13C19 - 02

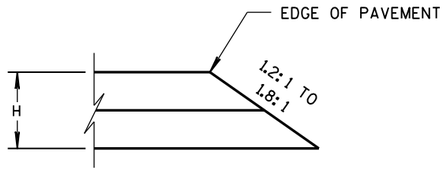
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

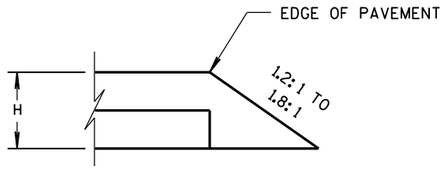
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



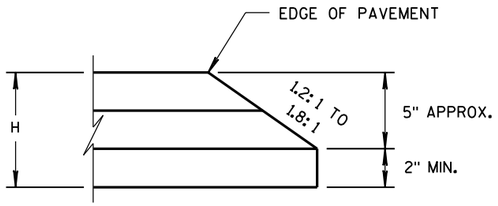
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



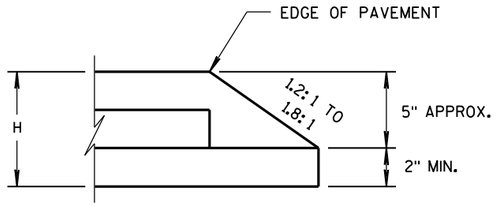
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

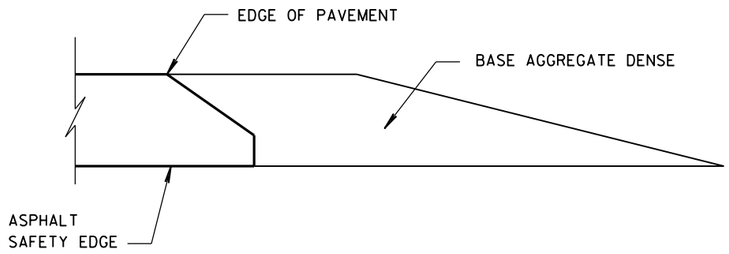
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

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S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

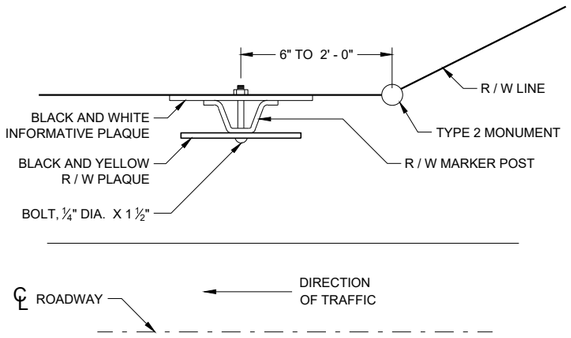
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

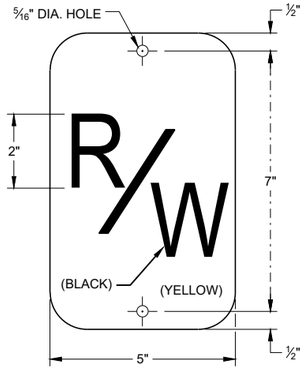
11/30/2012
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

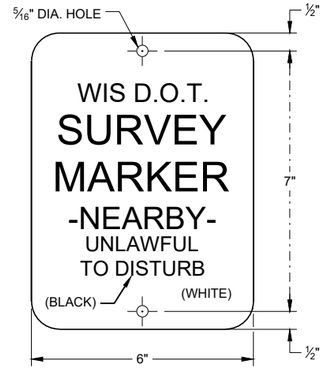


PLAN VIEW
STEEL MARKER POST



R / W PLAQUE

THE RIGHT-OF-WAY PLAQUE AND INFORMATIVE PLAQUE WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.



INFORMATIVE PLAQUE

GENERAL NOTES

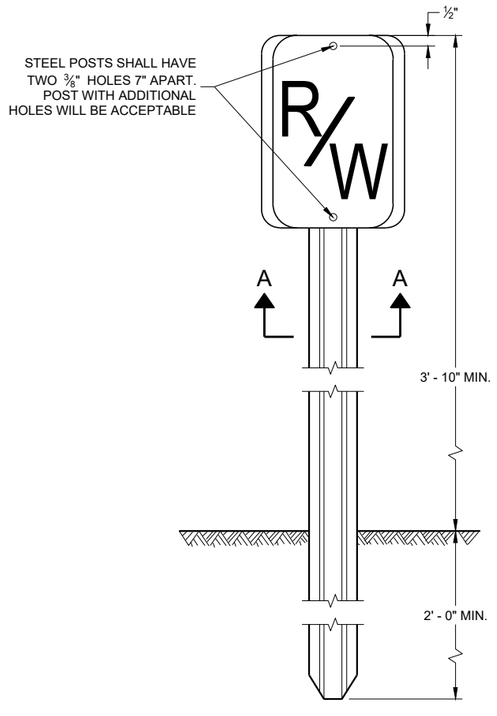
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

A STEEL MARKER POST FOR RIGHT -OF-WAY SHALL BE PLACED IN THE RIGHT-OF-WAY WITH THE BACK OF THE POST ON THE LONGER RIGHT-OF-WAY TANGENT, 6 INCHES TO 24 INCHES FROM EACH TYPE 2 MONUMENT TO SERVE AS A GUARD POST, AND AT OTHER LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

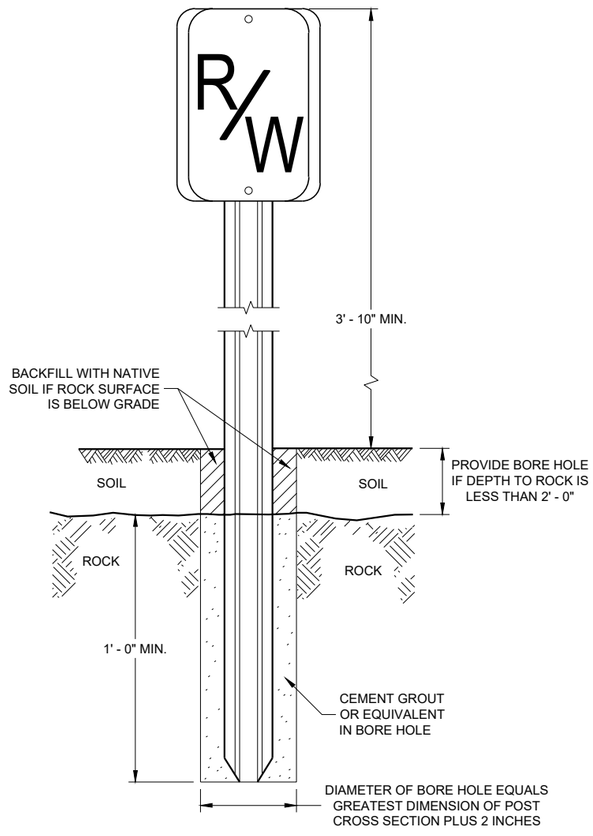
THE "R/W" PLAQUE SHALL FACE THE ROADWAY AND THE INFROMATIVE PLAQUE SHALL FACE AWAY FROM THE ROADWAY. "R/W" AND INFORMATIVE PLAQUES WILL BE FURNISHED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

STEEL MARKER POSTS SHALL MEET THE MINIMUM MATERIAL REQUIREMENTS FOR STEEL DELINEATOR POSTS; EXCEPT POSTS PAINTED WITH FEDERAL YELLOW ENAMEL NEED NOT BE ZINC COATED.

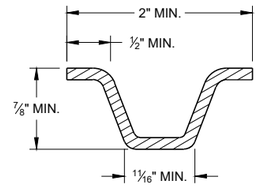
(1) IN AREAS OF SOLID ROCK, DRILL A BORE HOLE 2" GREATER THAN THE WIDEST DIMENSION OF THE POST CROSS SECTION INTO THE ROCK A MINIMUM DEPTH OF 12 INCHES. CUT OR SPLICE THE POST SO THAT A MINIMUM LENGTH OF 3' - 10" PROTRUDES ABOVE THE GROUND. BLOW OUT THE BORE HOLE IN THE ROCK USING COMPRESSED AIR. FILL THE BORE HOLE WITH CEMENT GROUT OR EQUIVALENT, DEPENDING ON THE STABILITY OF THE ROCK.



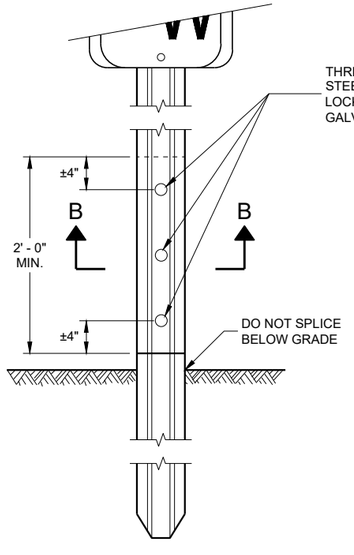
FRONT VIEW
STEEL MARKER POST



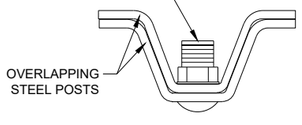
FRONT VIEW
ROCK INSTALLATION (1)



MIN. WEIGHT 1.12 LB./FT.
SECTION A - A



FRONT VIEW
SPLICE DETAIL



SECTION B - B

MARKER POST
FOR RIGHT - OF - WAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/18/2016
DATE
/S/ Ray Kumapayi
CHIEF SURVEYING AND MA
ENGINEER

FHWA

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SDD 15A01 - 13a

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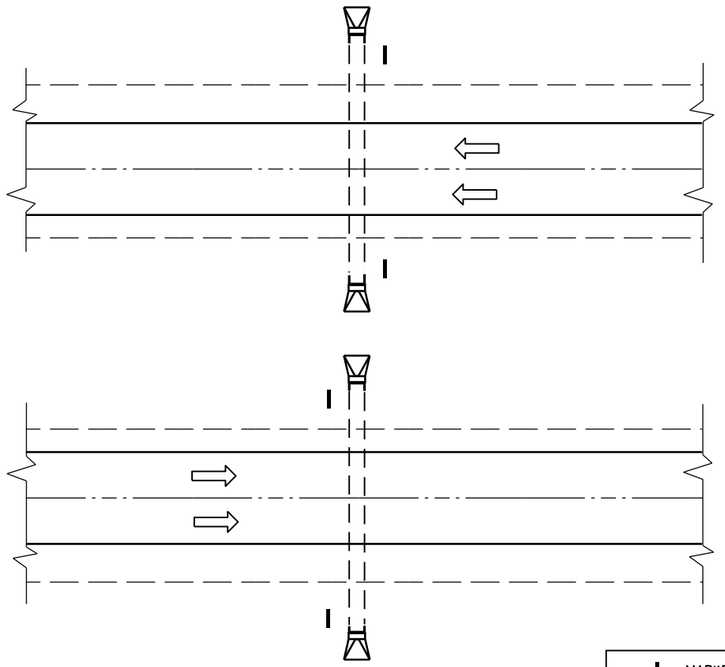
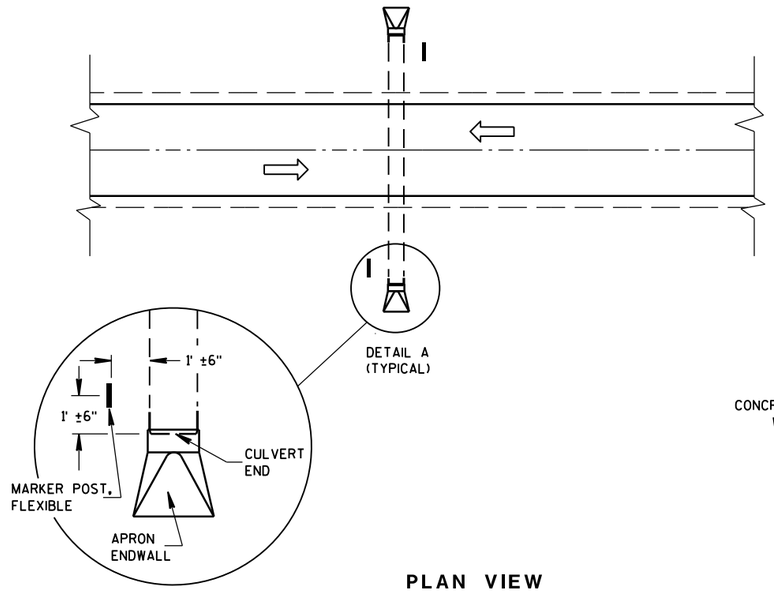
SDD15A01 - 13a



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

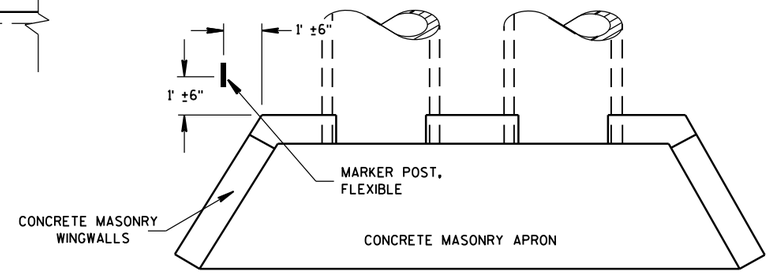
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

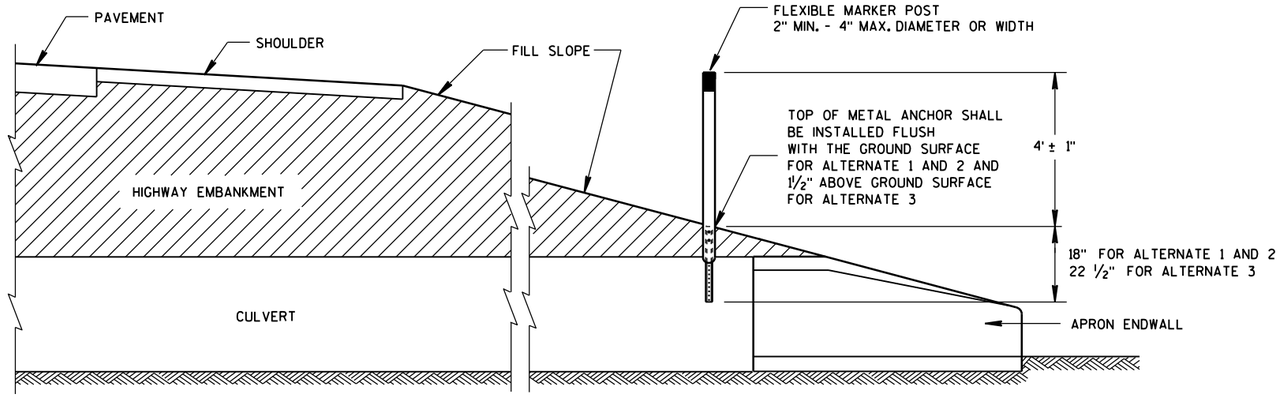
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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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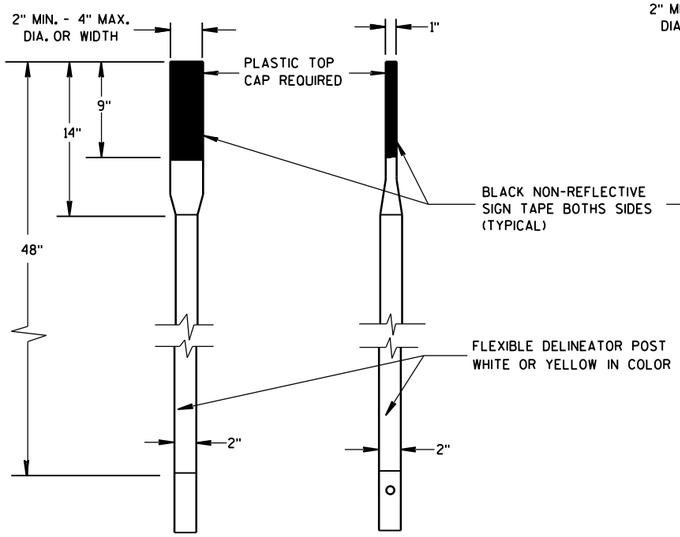
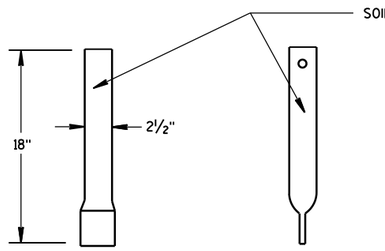
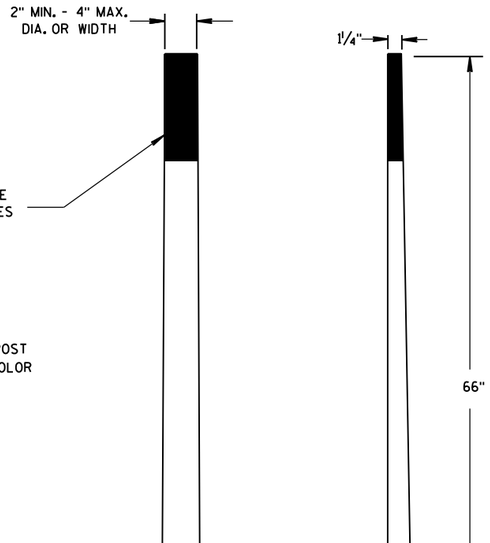
S.D.D. 15 A 3-2a





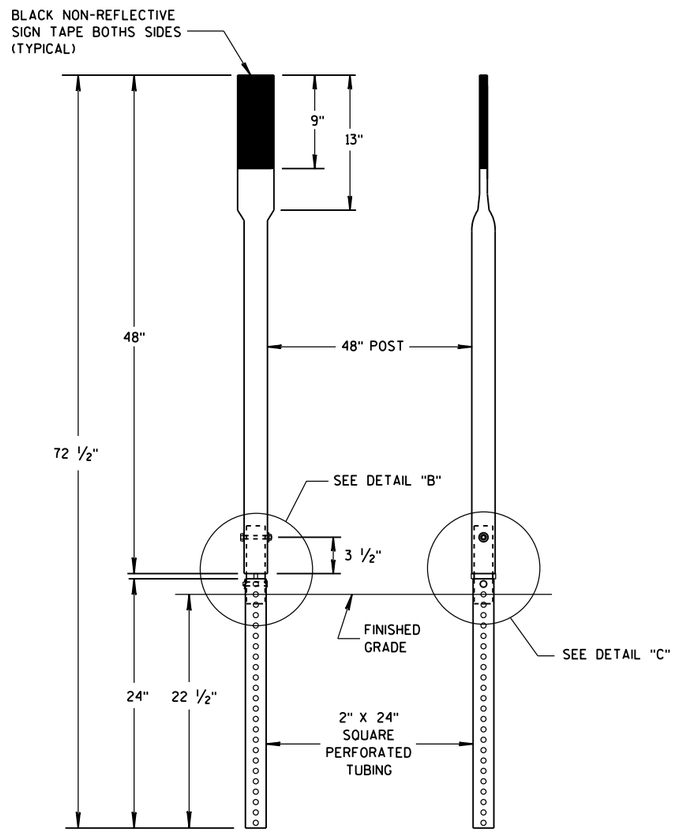
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

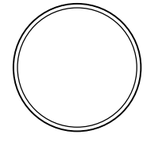
ALTERNATE 2



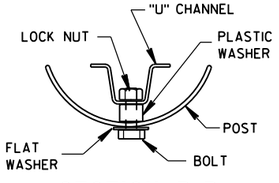
FRONT VIEW SIDE VIEW

ALTERNATE 3

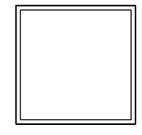
FLEXIBLE MARKER POSTS



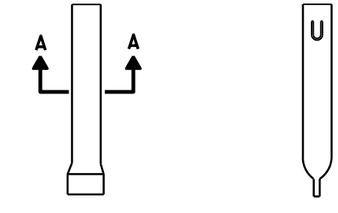
SECTION A-A



SECTION B-B

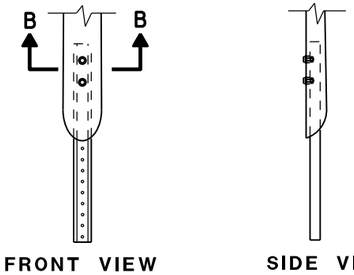


SECTION C-C



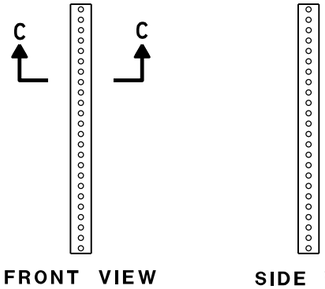
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

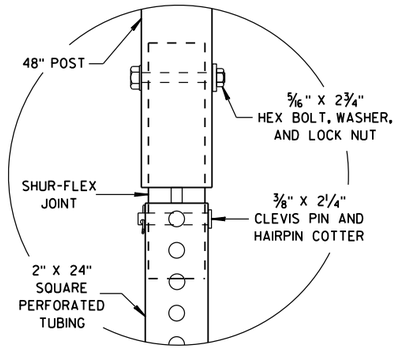
ALTERNATE 2



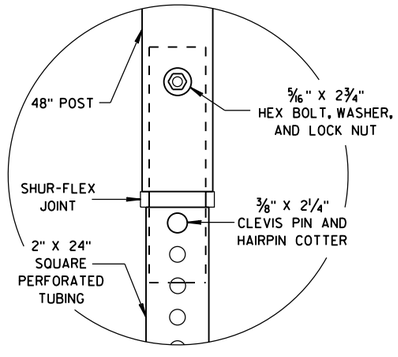
FRONT VIEW SIDE VIEW

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

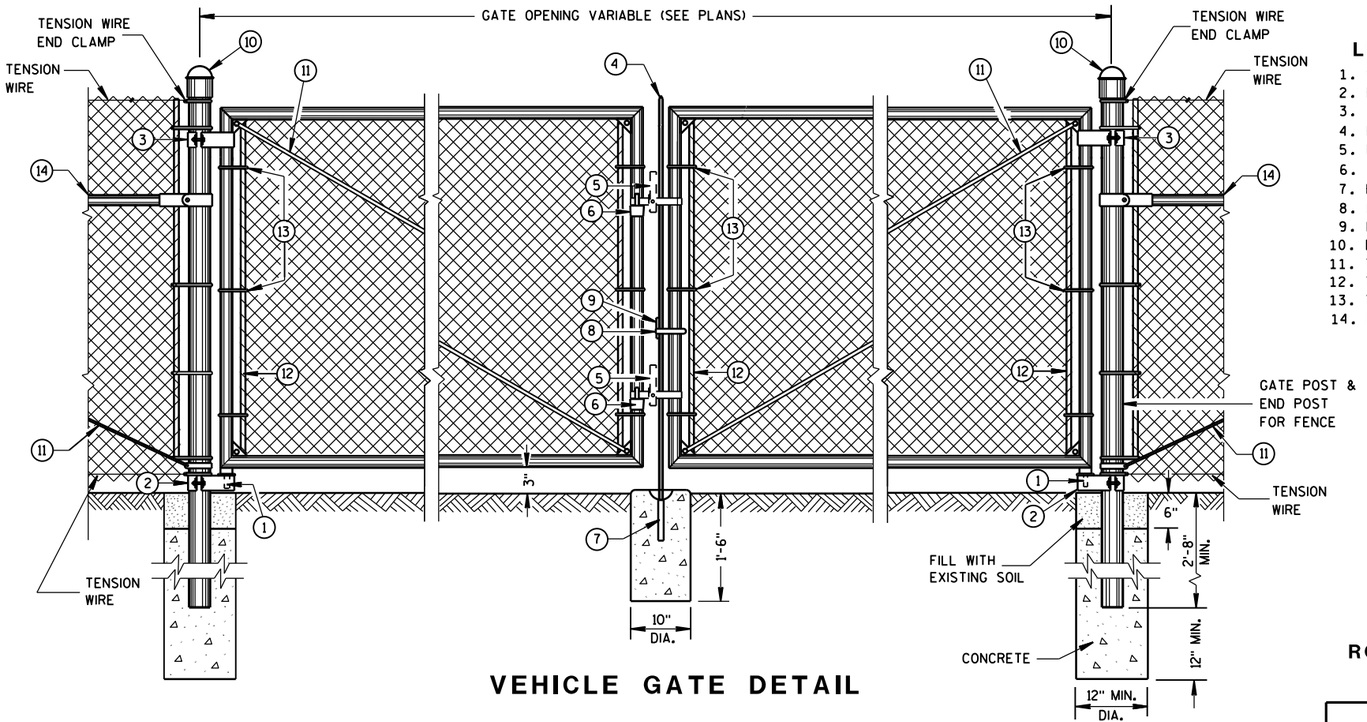
FHWA

6

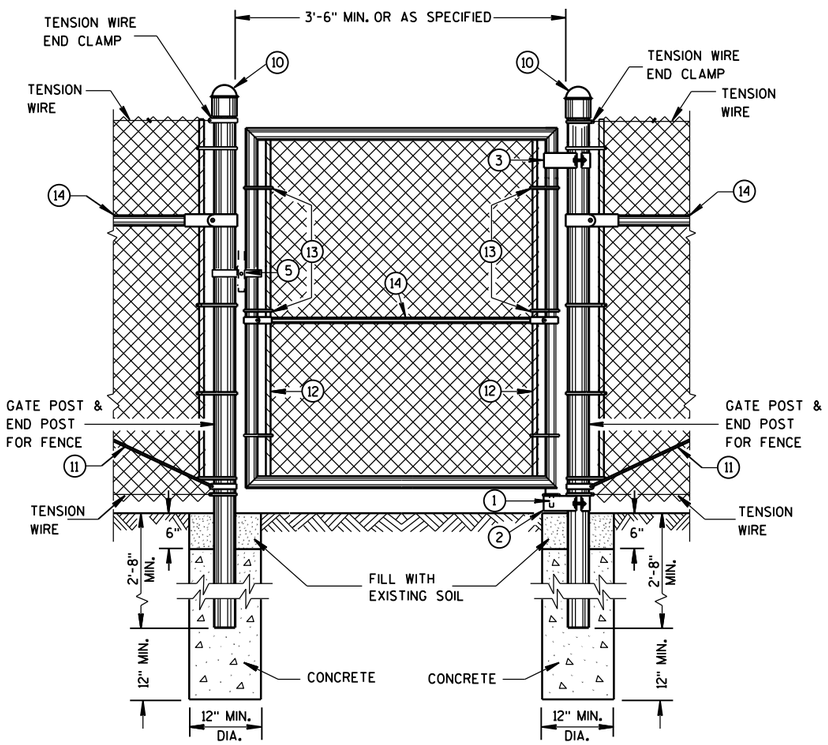
S.D.D. 15 A 3-2b

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.

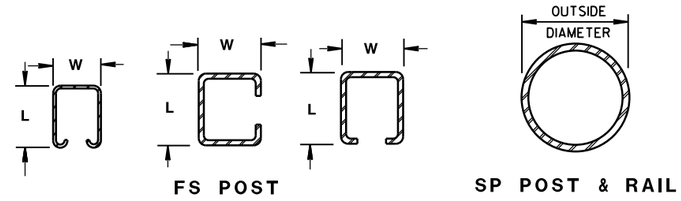
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

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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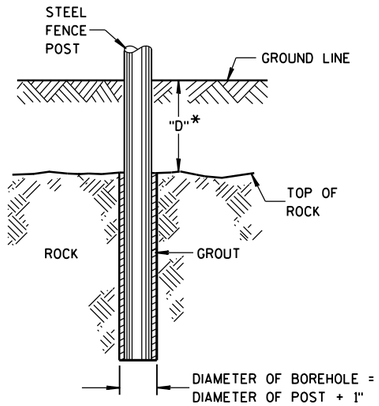
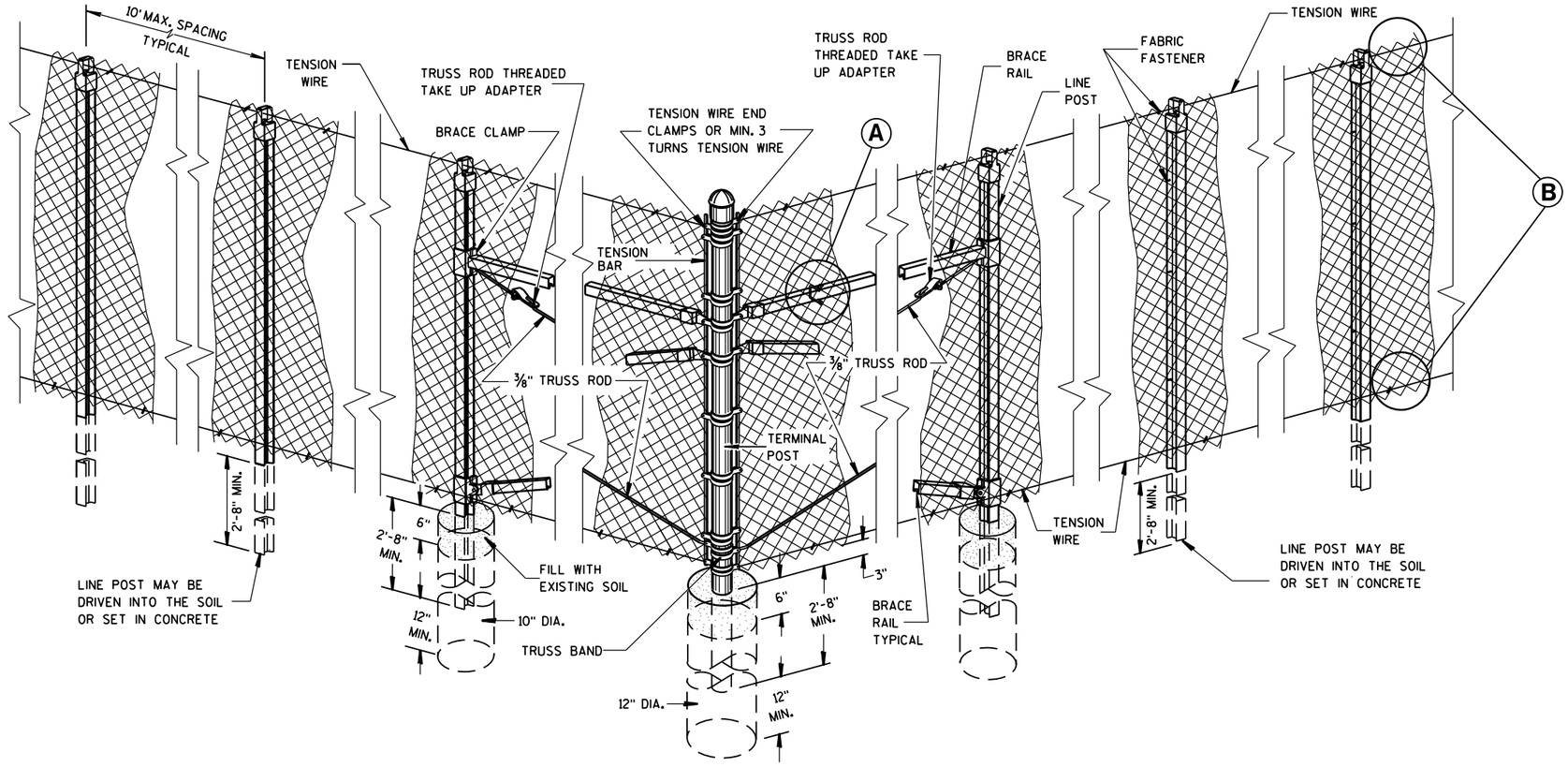
S.D.D. 15 B 3-15a

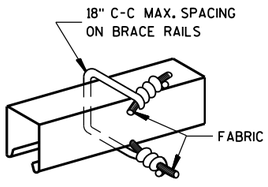


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



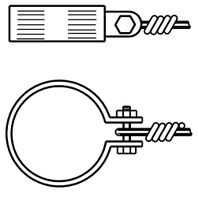
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



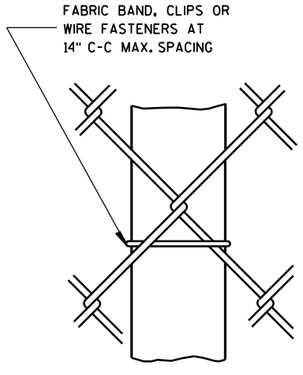
BRACE RAIL

FABRIC FASTENER

Ⓐ



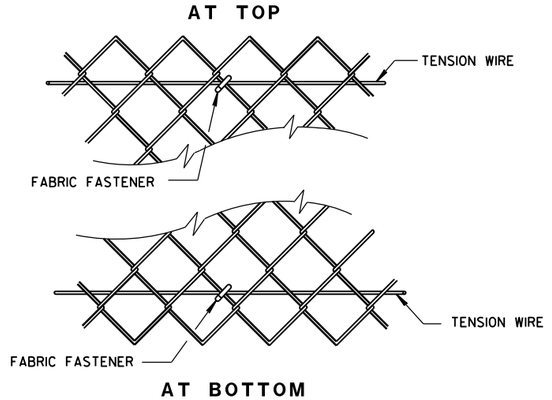
TENSION WIRE END CLAMP



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

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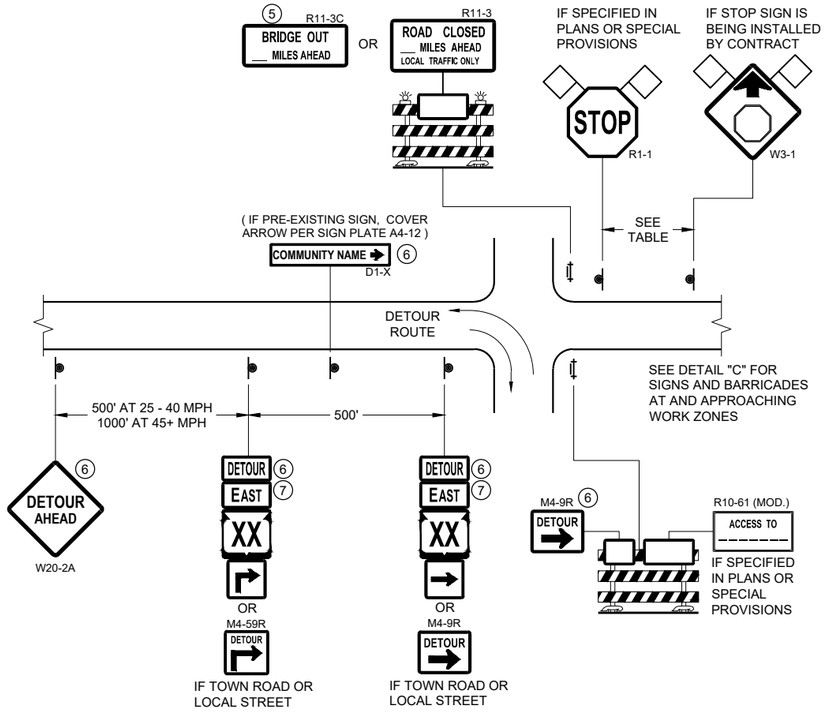
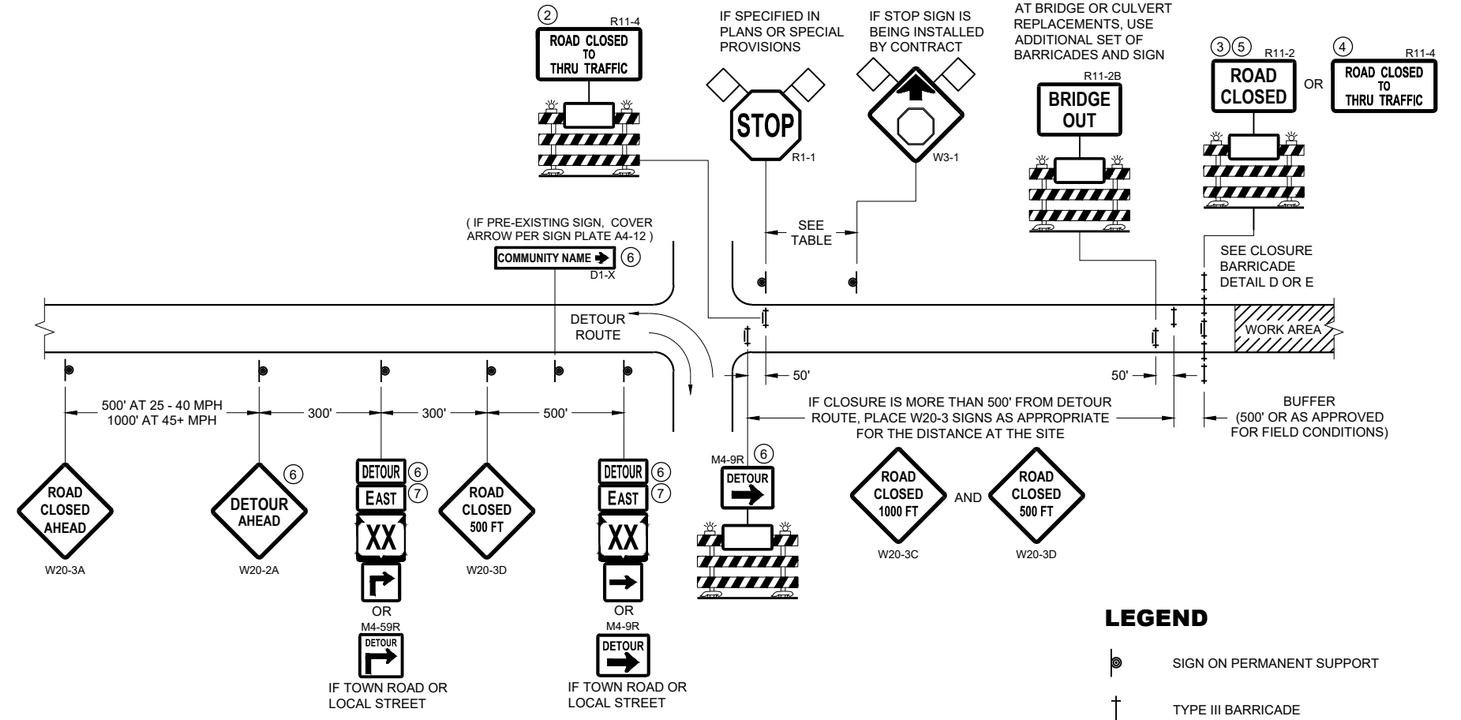
S.D.D. 15 B 3-15b



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

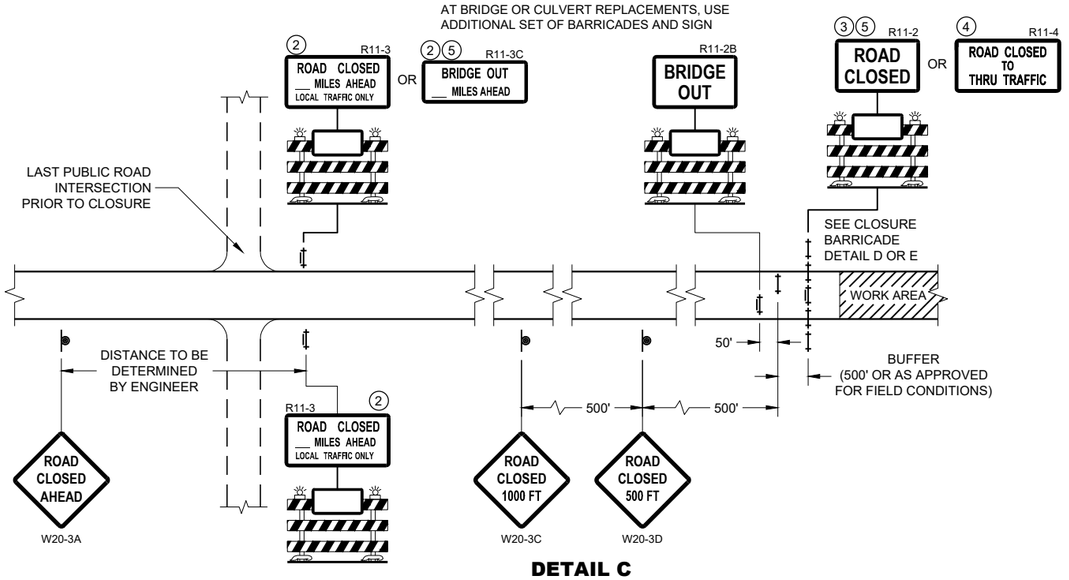


DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

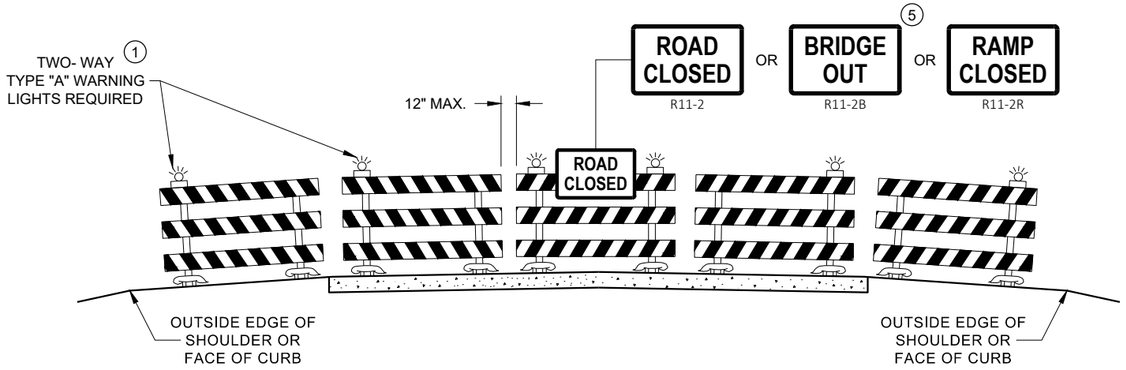
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

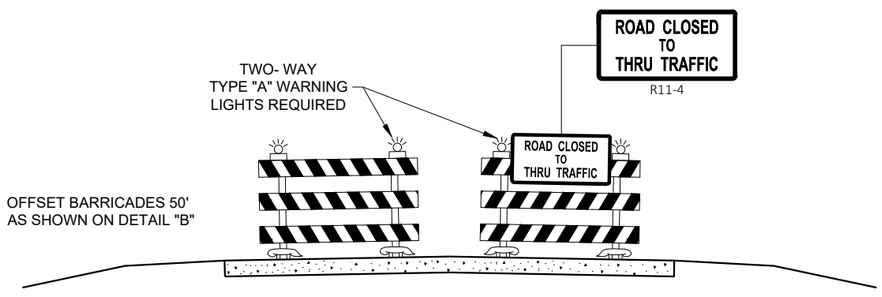
6

SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08b

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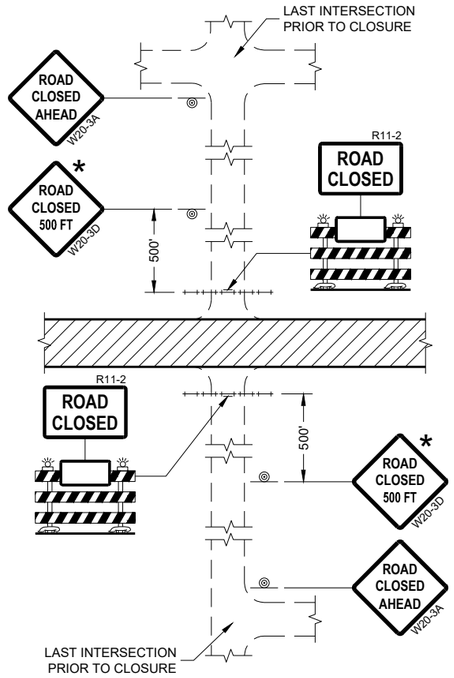
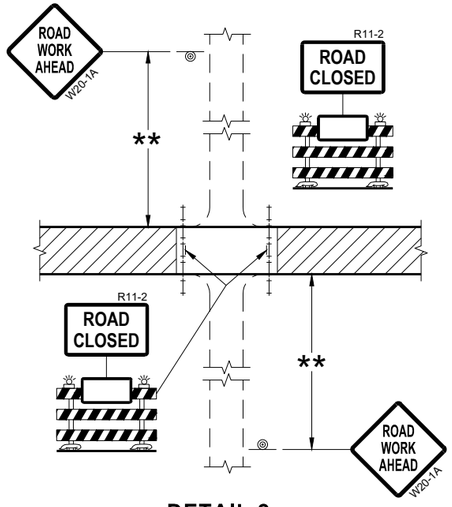
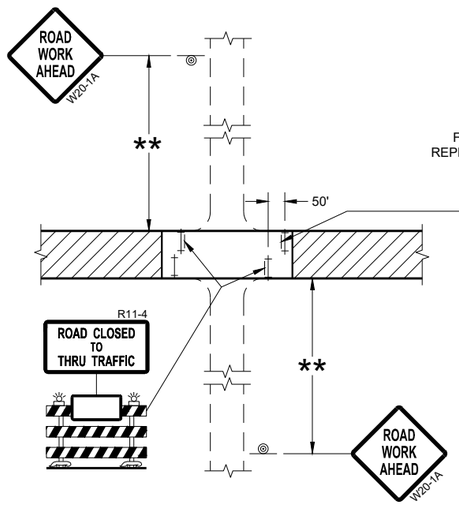
SDD 15C02 - 08b



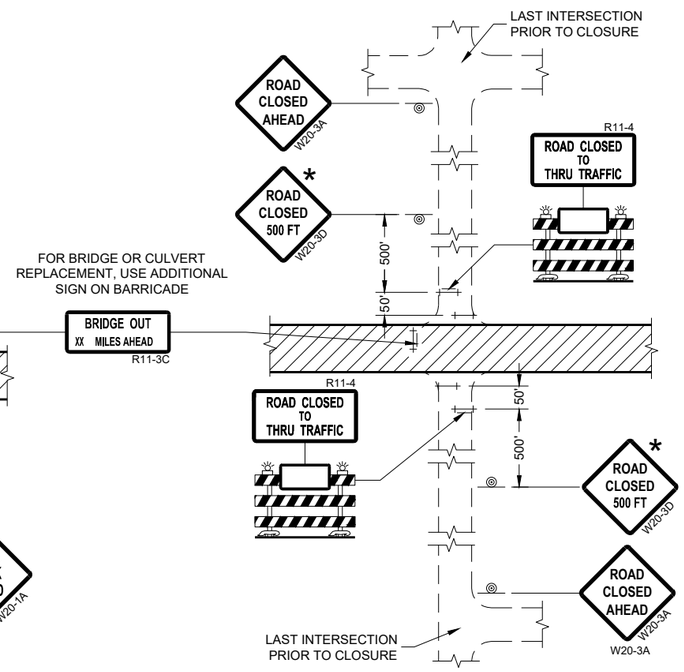
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C03 - 05

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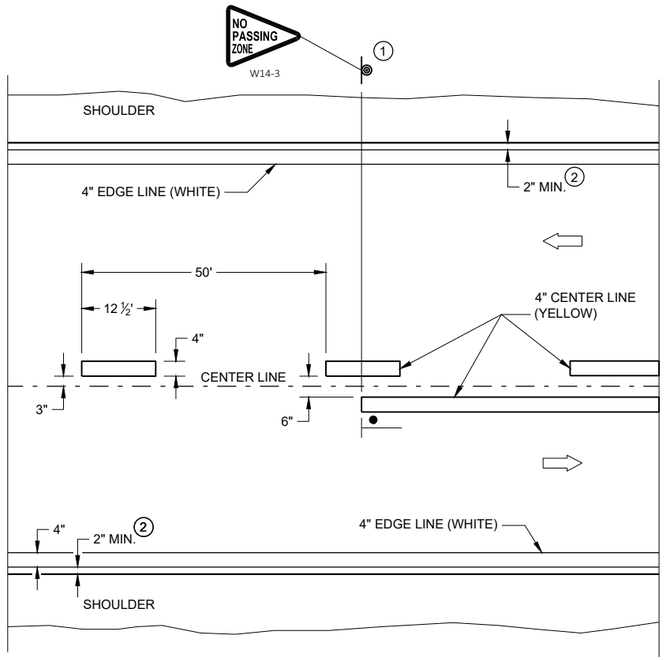
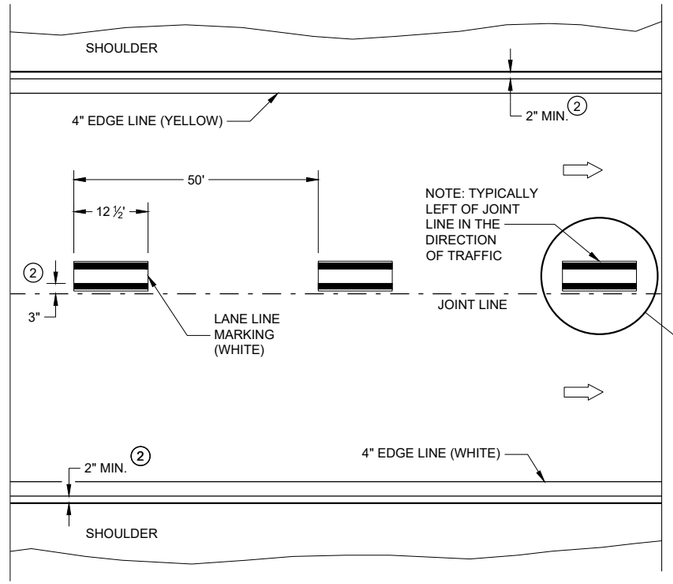
SDD 15C03 - 05

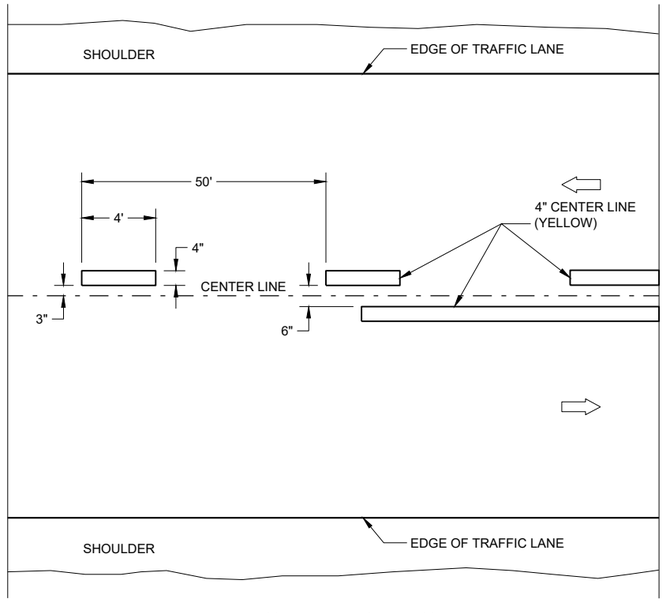


TWO WAY TRAFFIC

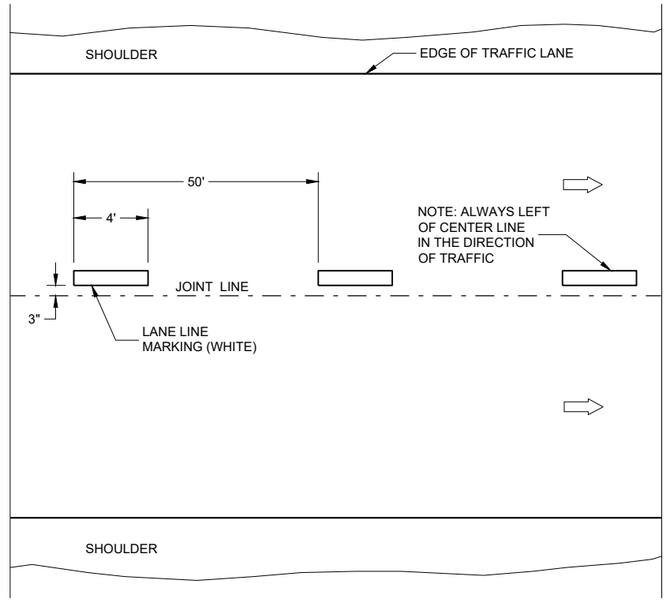


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

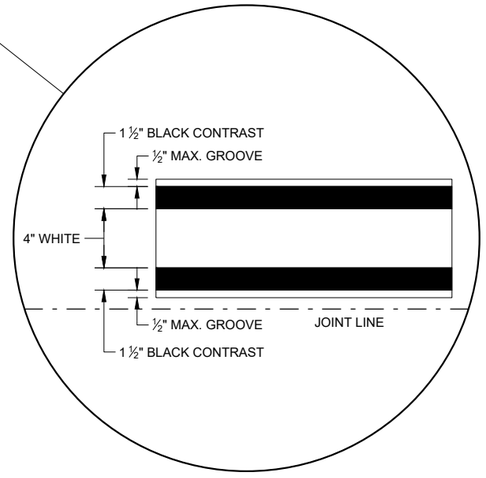
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITH 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

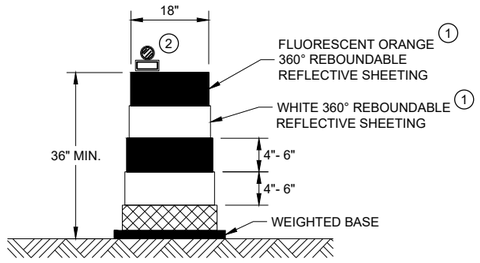
FHWA

SDD 15C08 - 20a

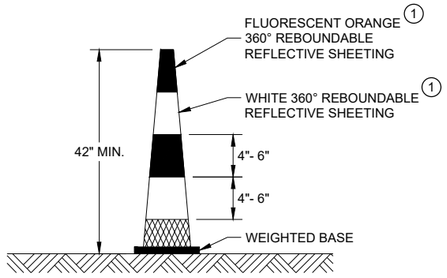
SDD 15C08 - 20a

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

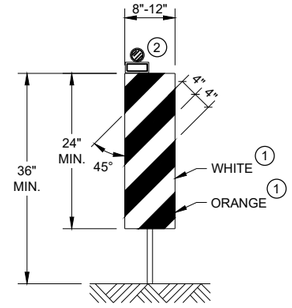


DRUM



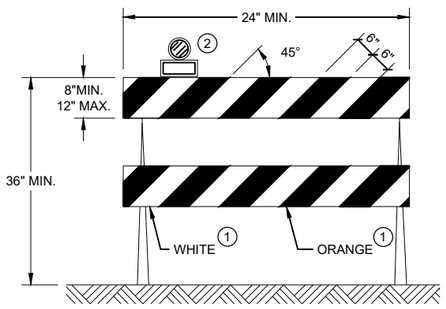
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



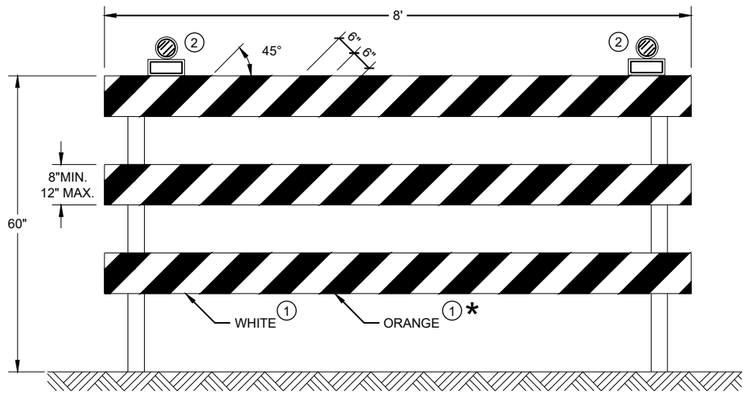
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 07b

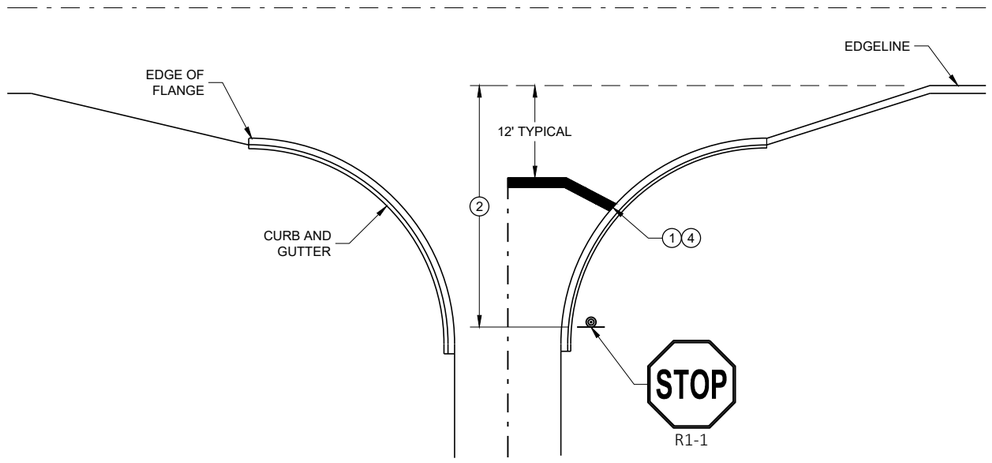
6

SDD 15C11 - 07b

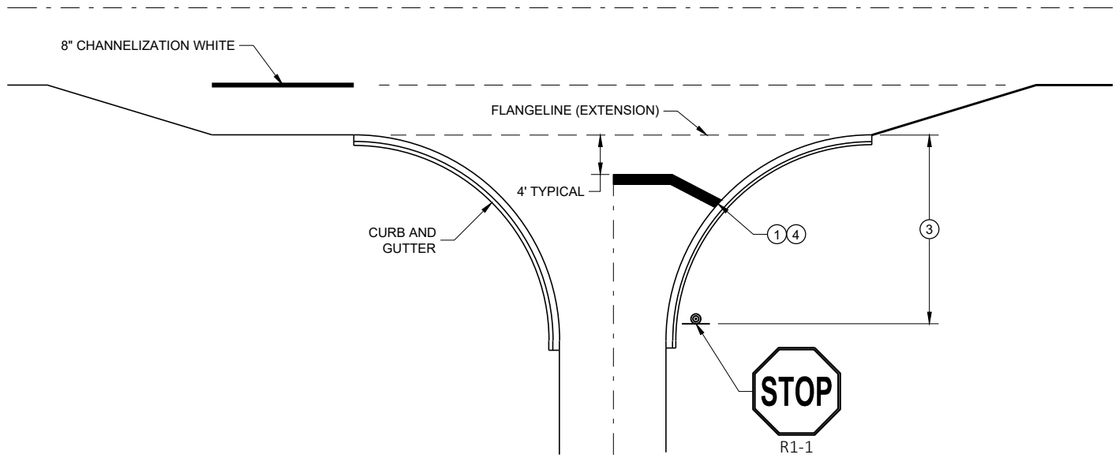
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

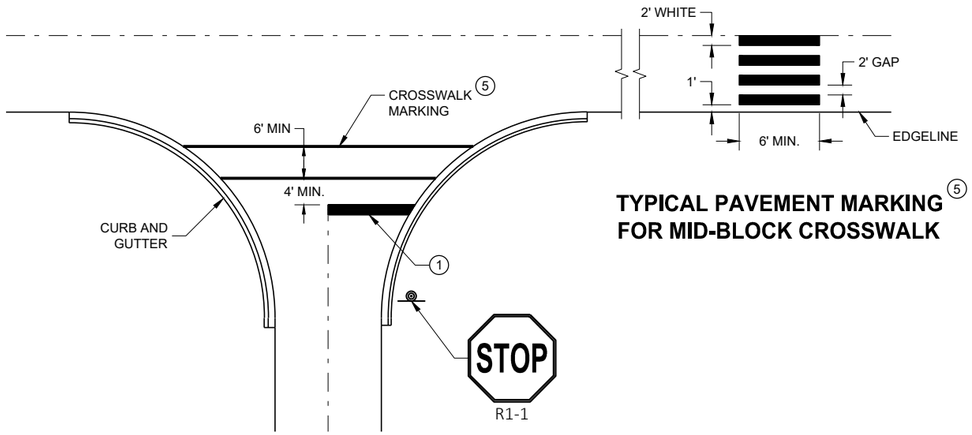
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

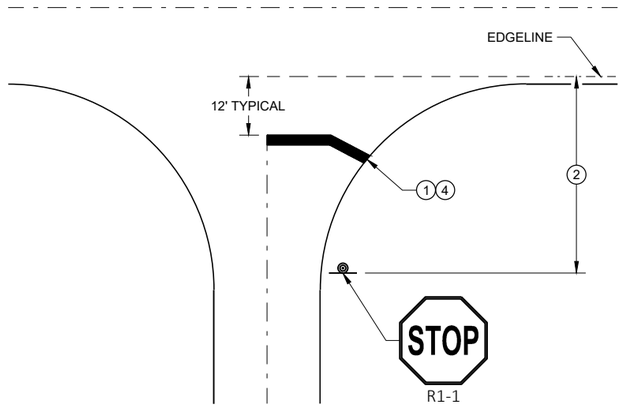


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

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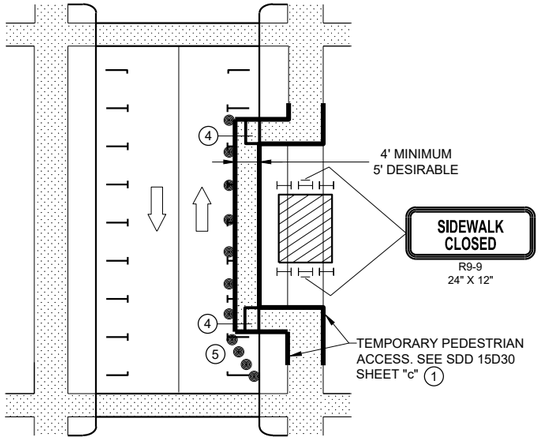
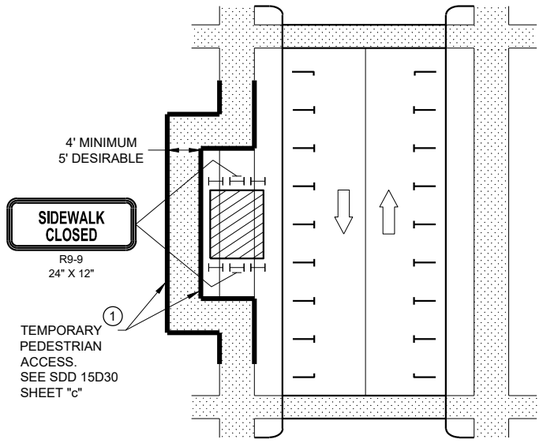
SDD 15C33 - 04

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

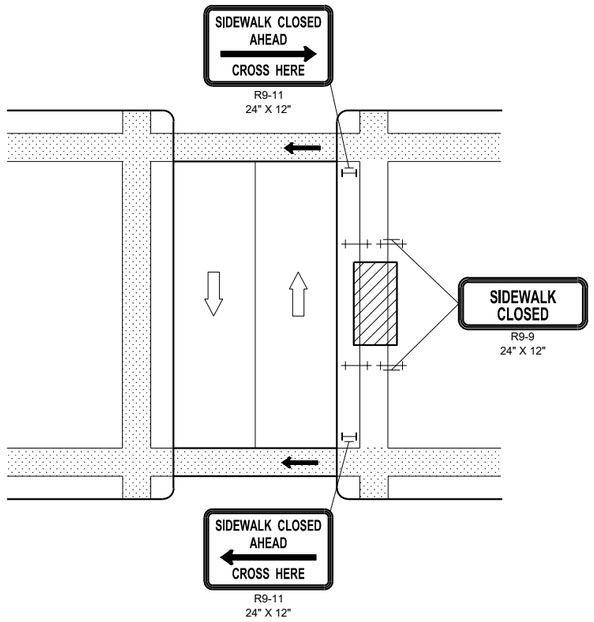


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

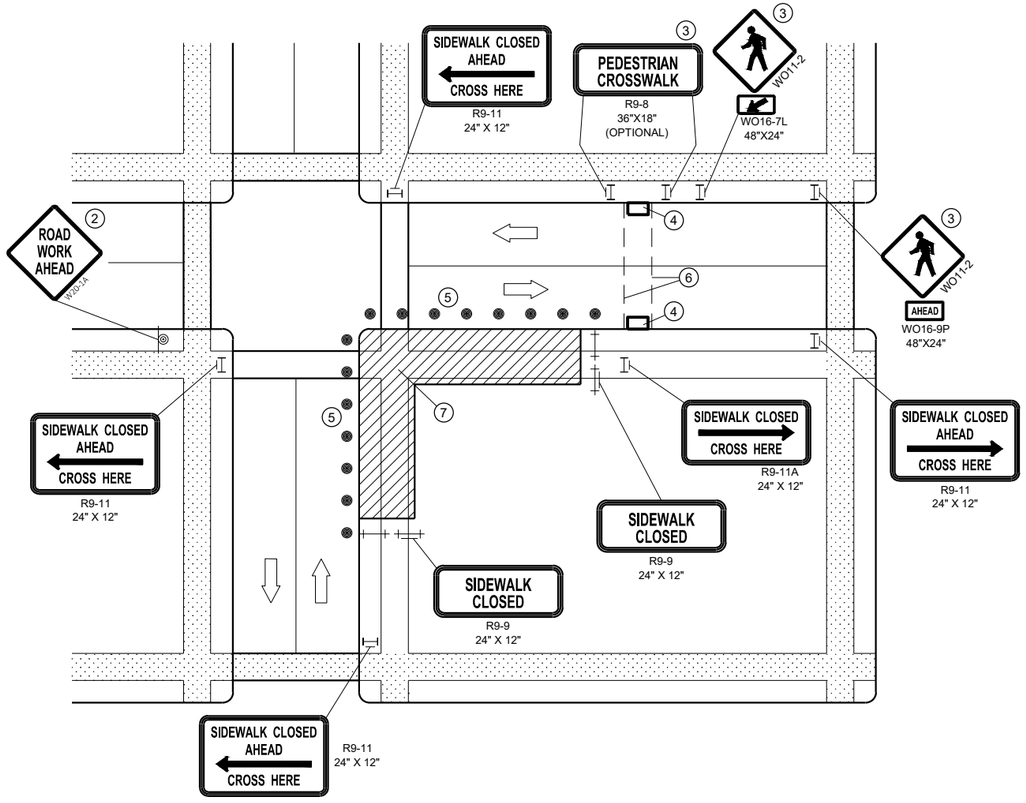
NOTE: LAYOUT SAME AS ABOVE.



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

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

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

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

1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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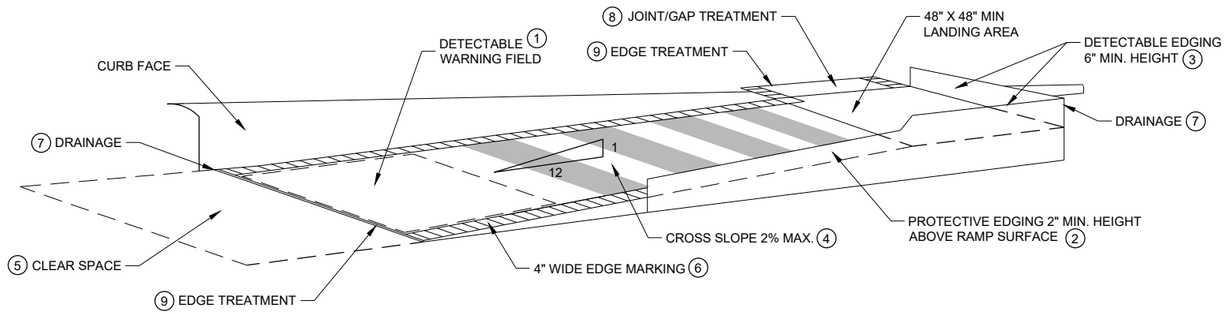
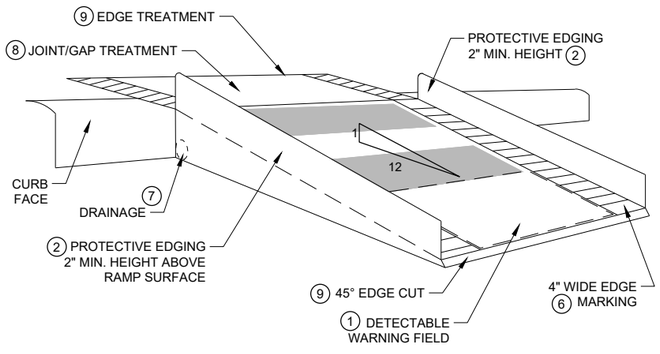
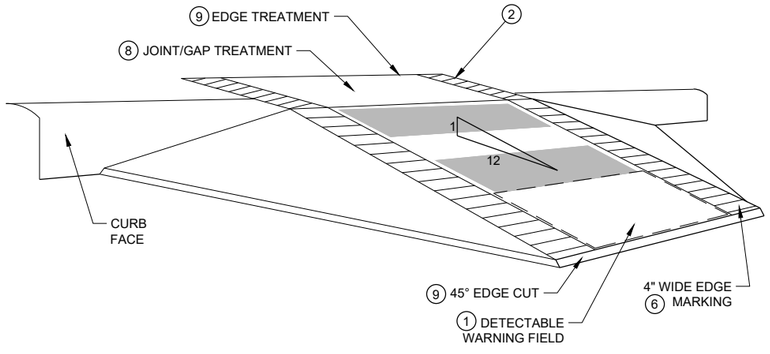
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

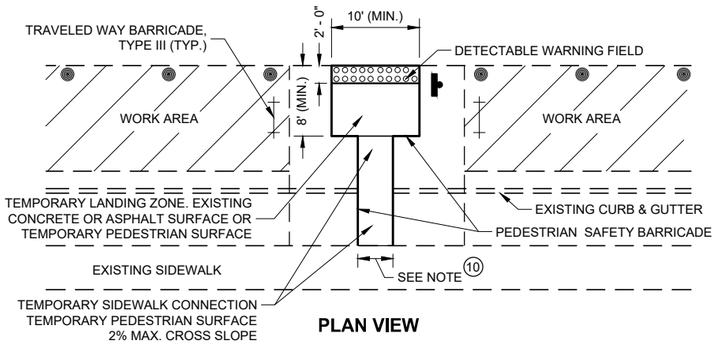
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

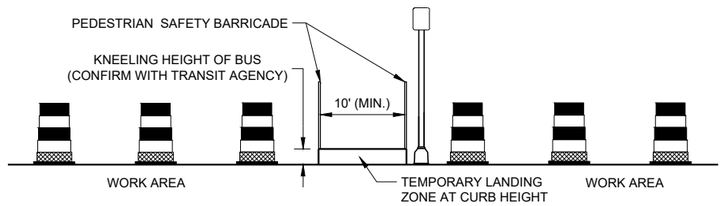
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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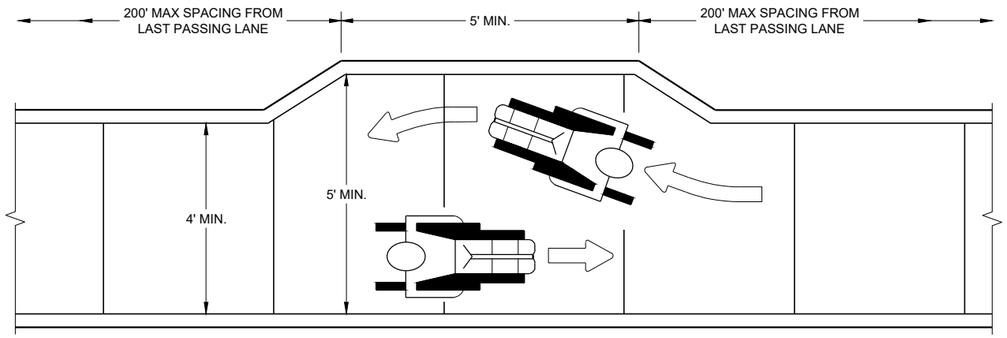
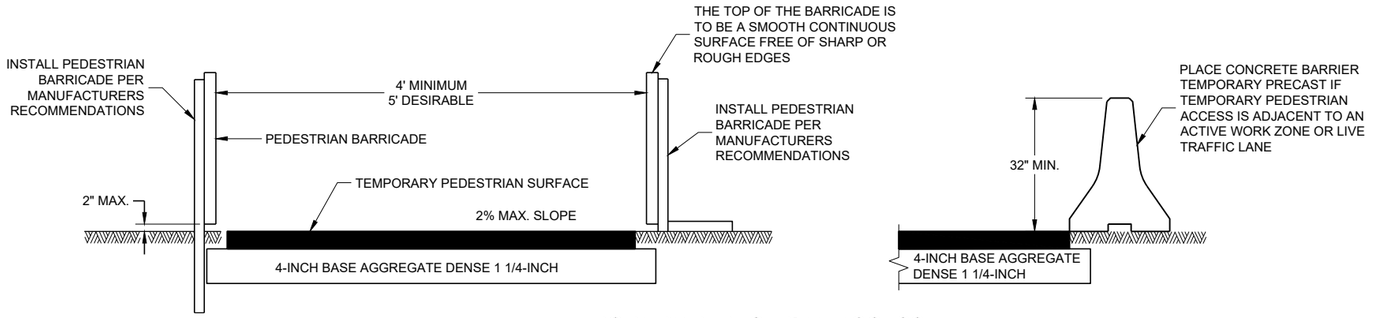
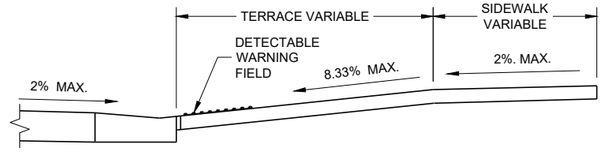


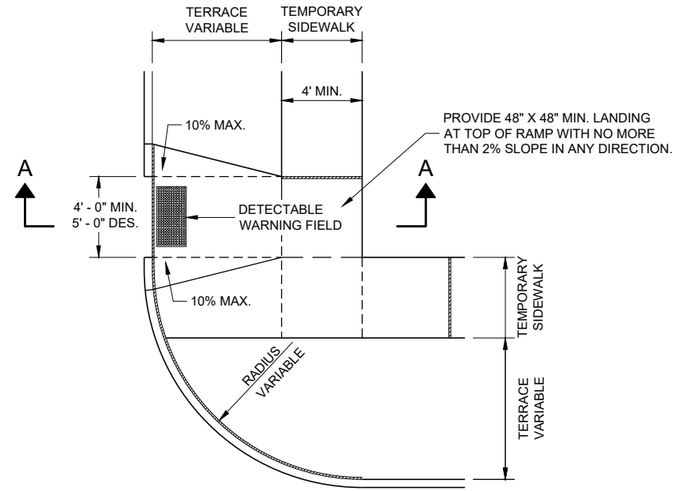
NARROW SIDEWALK PASSING DETAIL



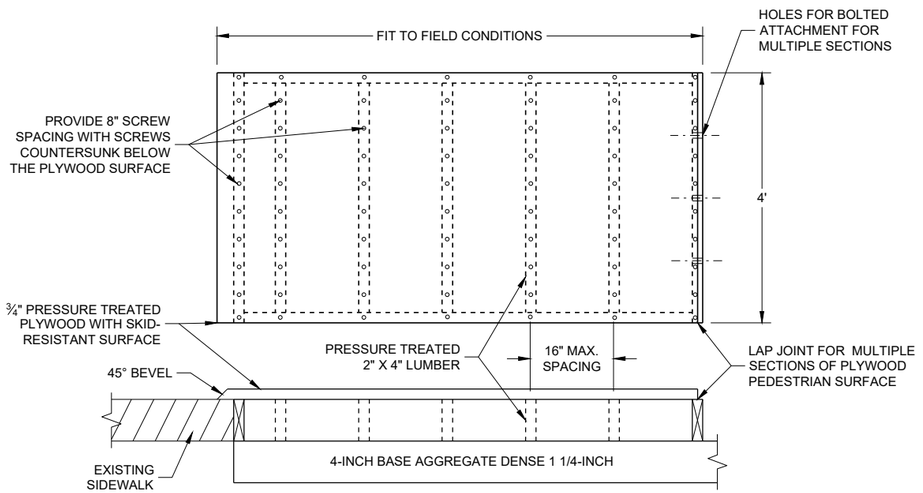
TEMPORARY PEDESTRIAN ACCESS



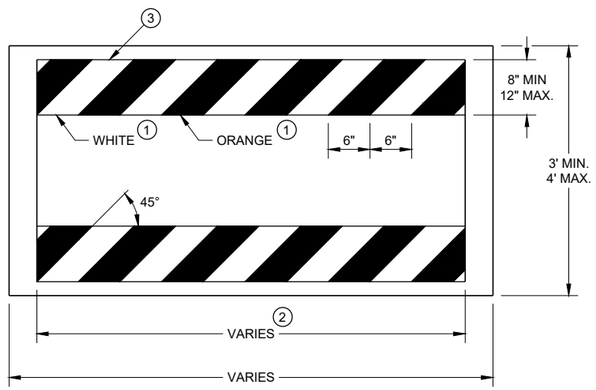
SECTION A - A



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



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

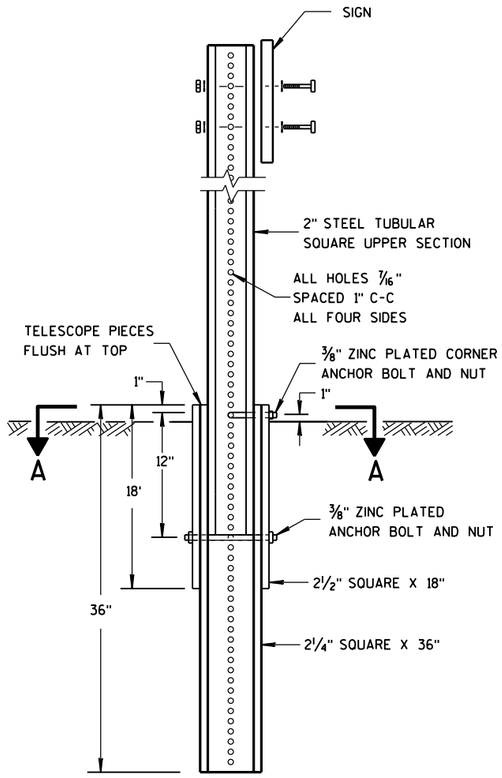
APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

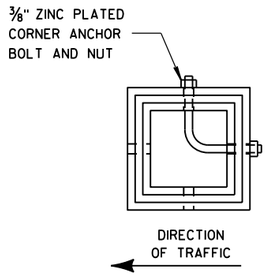
FHWA

SDD 15D30 - 06c

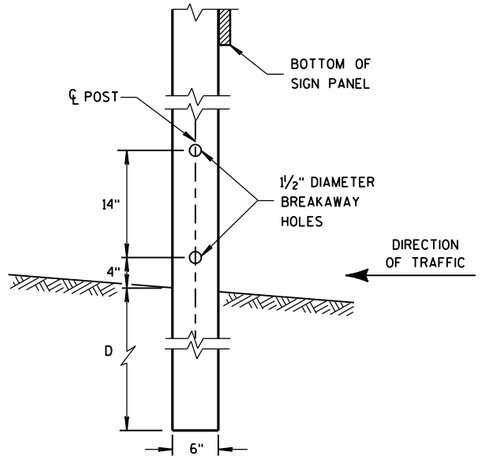
SDD 15D30 - 06c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



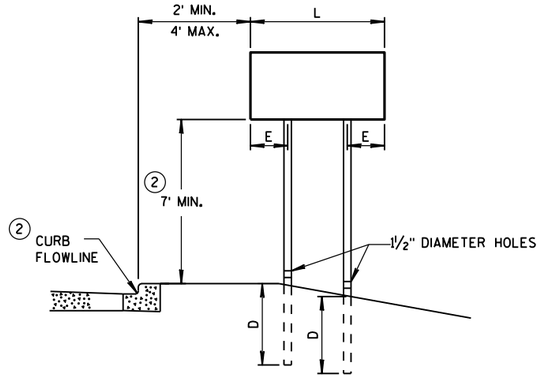
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

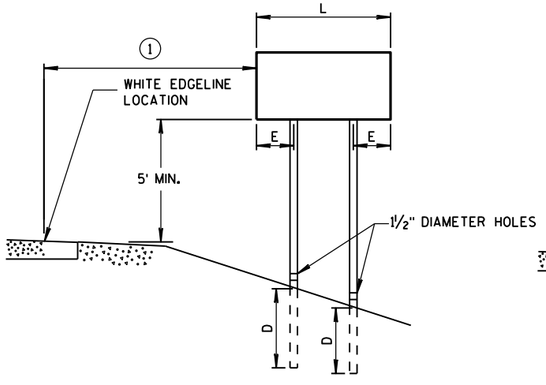
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

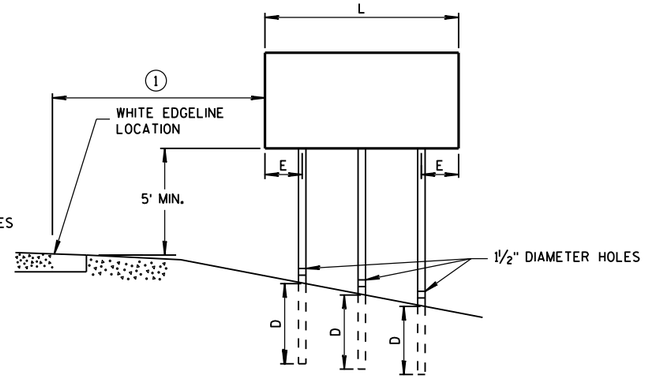
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

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

4" X 6" WOOD POST

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

SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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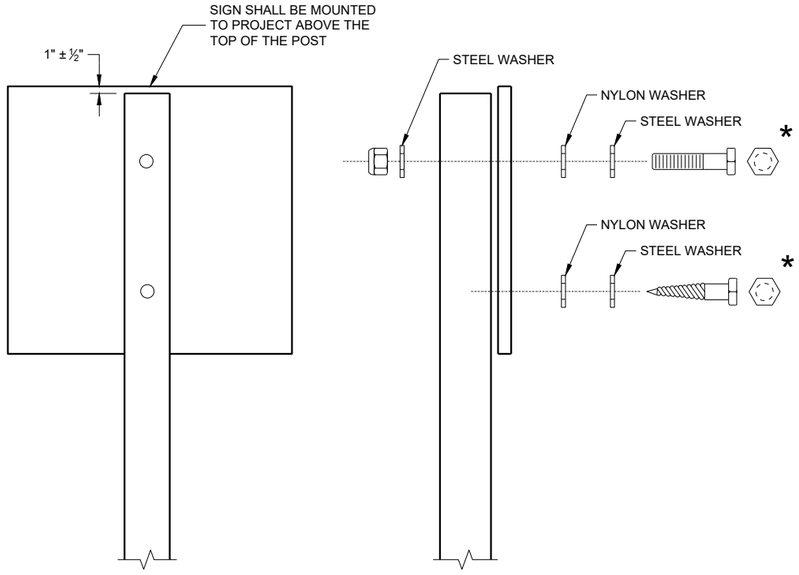
S.D.D. 15 D 38-2a



NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3
B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POST (4" x 6")
LAG SCREWS - ⅜" x 3"
MACHINE BOLTS - 5/16" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH, GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -
1 ¼" O.D. x ⅜" I.D. x 1/16" STEEL
1 ¼" O.D. x ⅜" I.D. x 0.080 NYLON

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

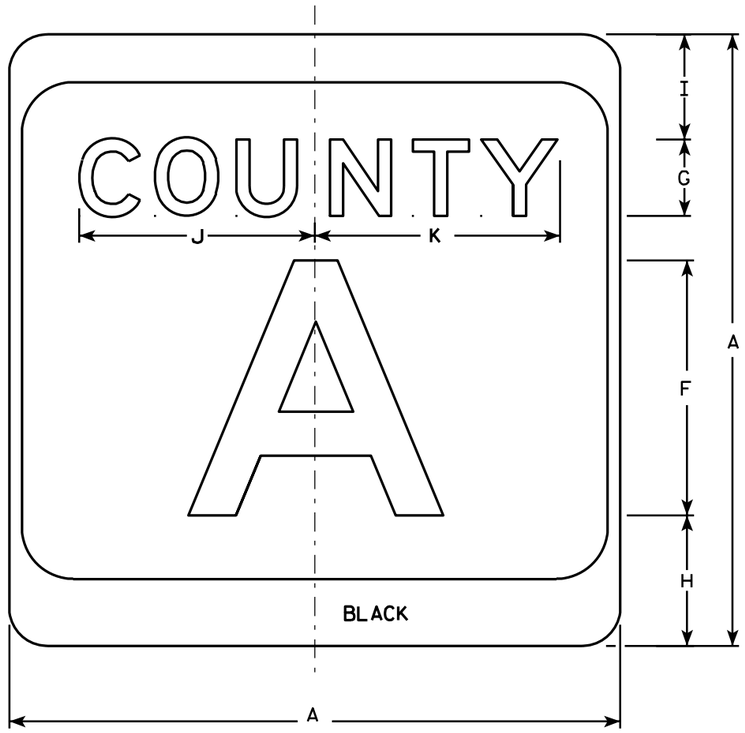
SDD 15D38 - 02b

SDD15D38 - 02b

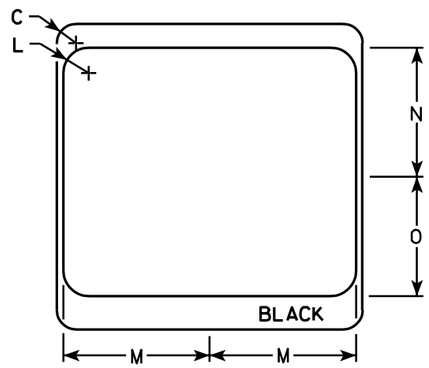
ATTACHMENT OF SIGNS TO POSTS

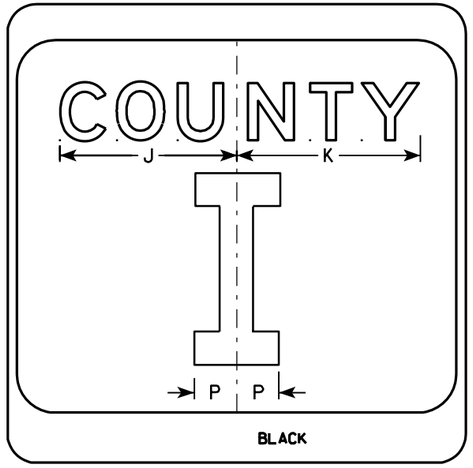
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

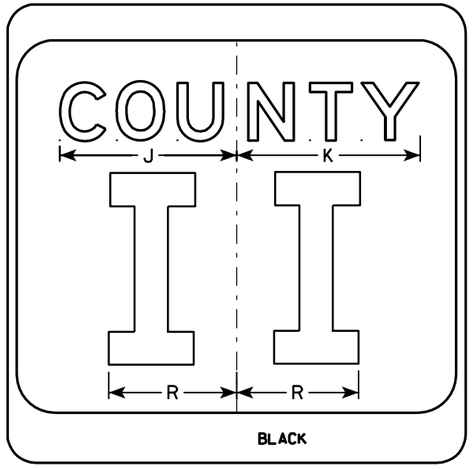
APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

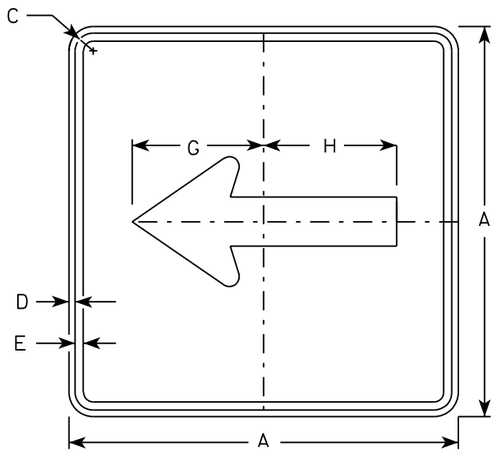
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

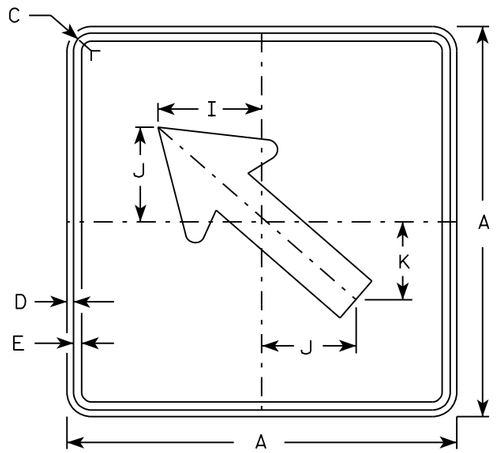
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 139	E



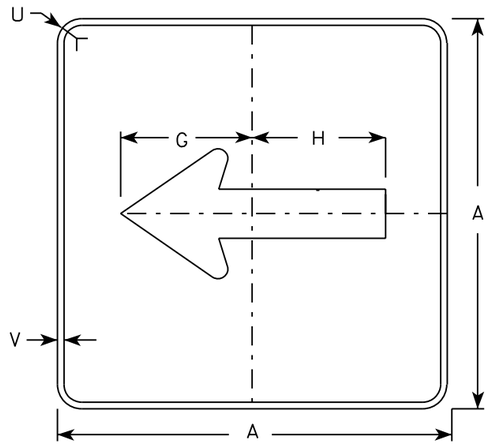
M6-1
MM6-1
MO6-1
MP6-1



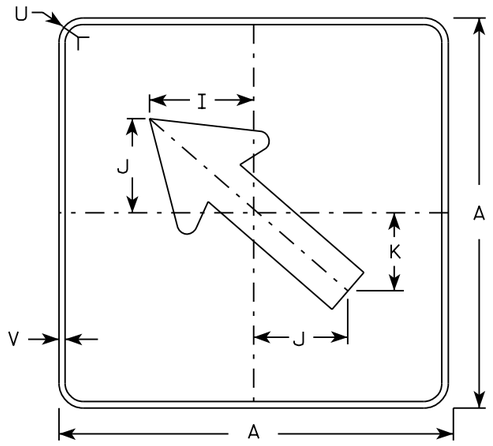
M6-2
MM6-2
MO6-2
MP6-2

NOTES

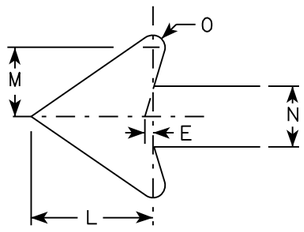
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

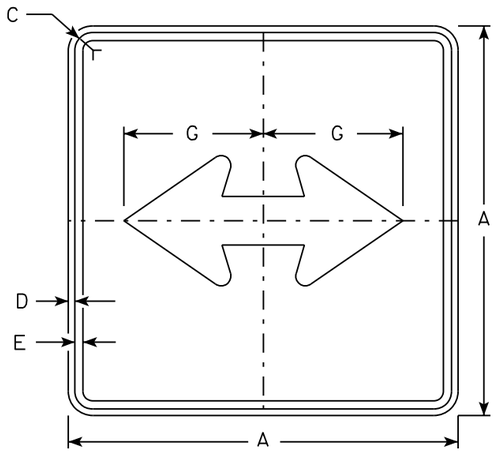
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

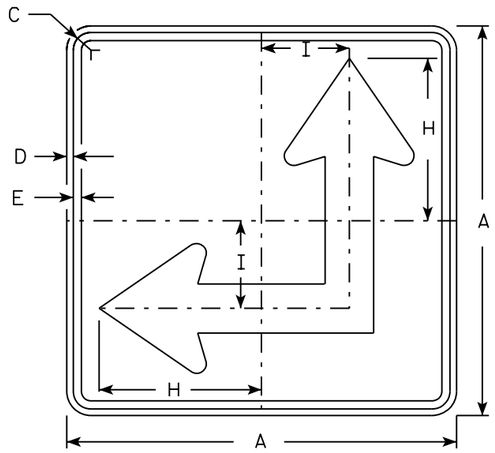
DATE 10/15/15 PLATE 140 M6-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



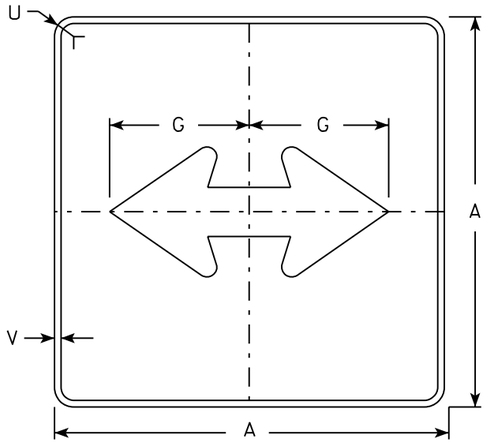
M6-4
MM6-4
MO6-4
MP6-4



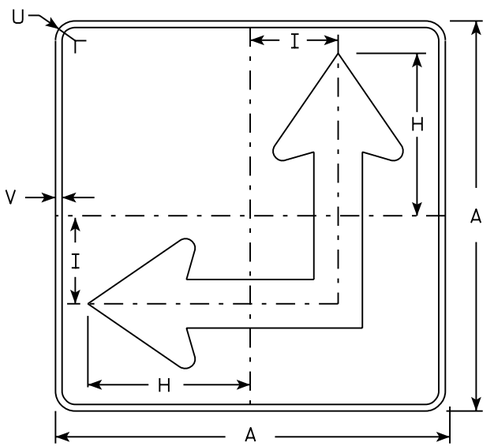
M6-6
MM6-6
MO6-6
MP6-6

NOTES

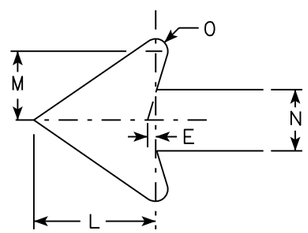
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

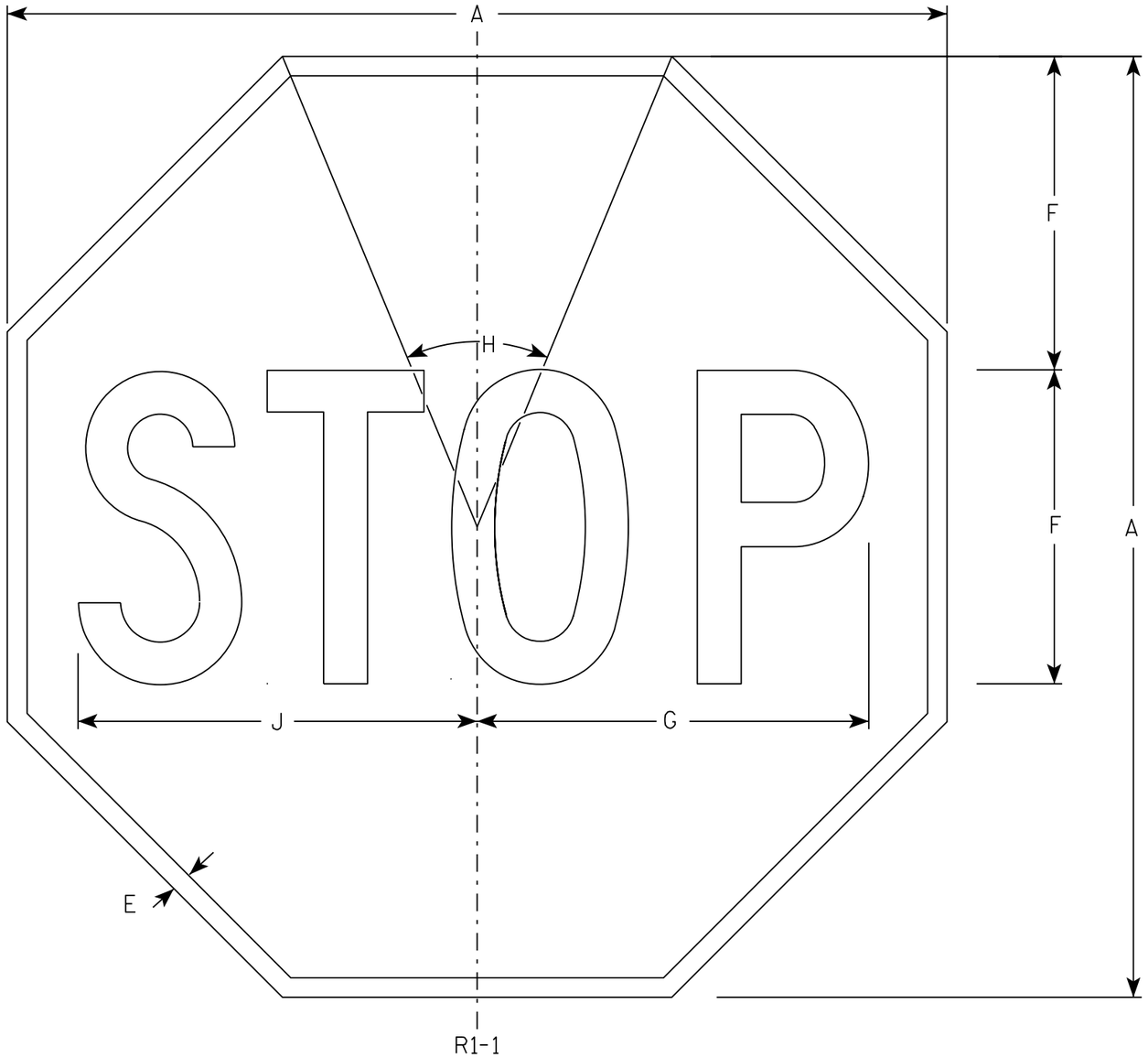
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 10/15/15 PLATE 141 M6-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN
R1-1

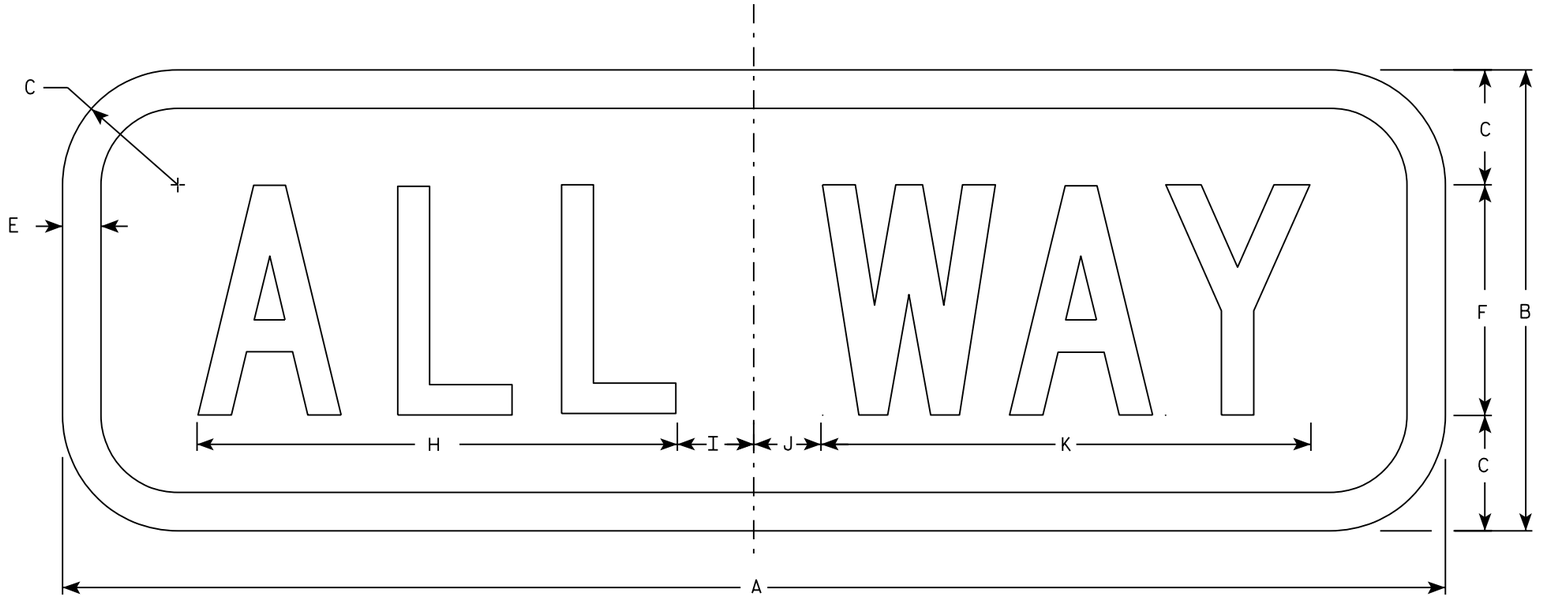
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 142 | E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN PLOT DATE : 22-AUG-2017 07:19 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : 4.427909:1.000000
WISDOT/CADDS SHEET 42



R1-3P

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. For 30"x30" R1-1 use 18"x6" R1-3P sign
   For 36"x36" R1-1 use 24"x9" R1-3P sign
   For 48"x48" R1-1 use 30"x12" R1-3P sign

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																0.75
2S	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																1.5
2M	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
3	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
4	30	12	2 1/4		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5
5	30	12	2 1/4		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5

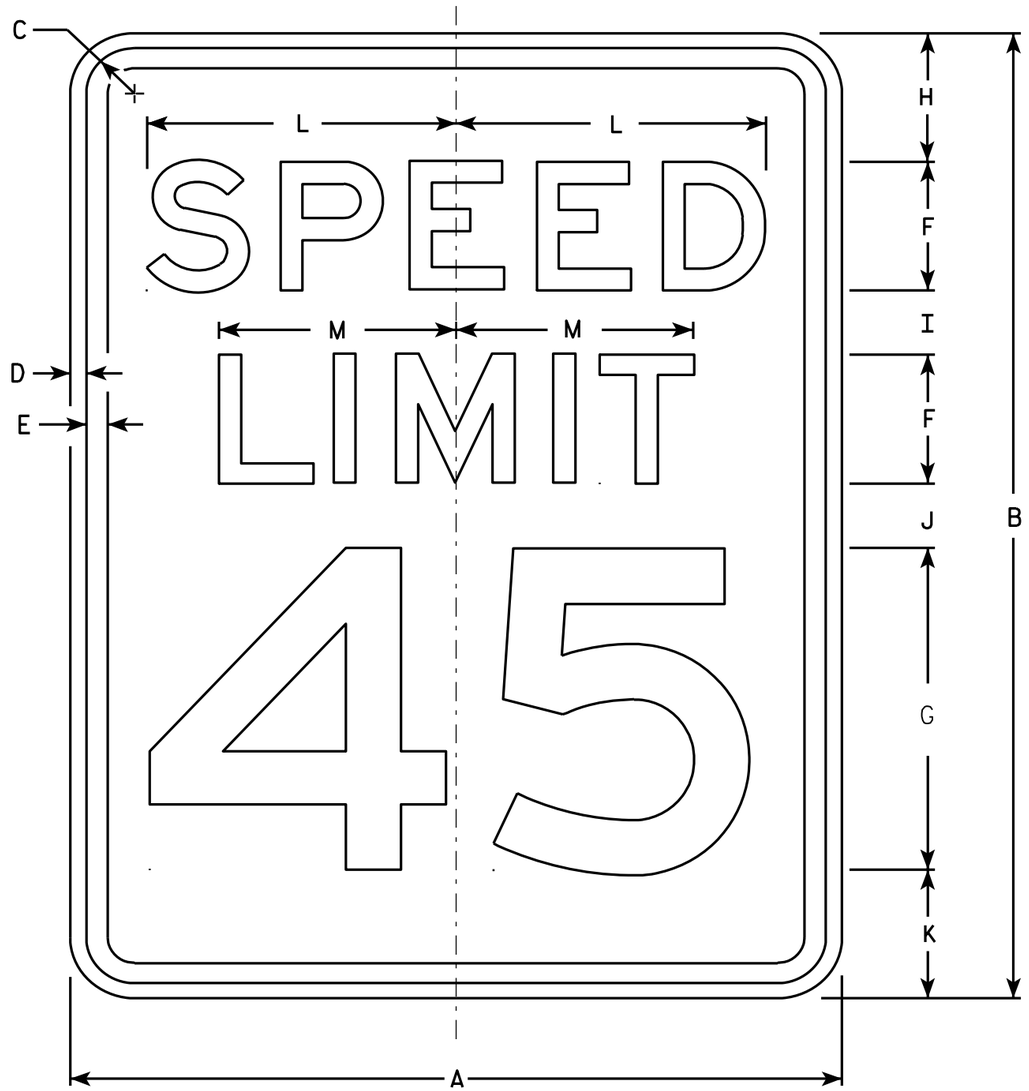
STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R1-3P.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 143	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

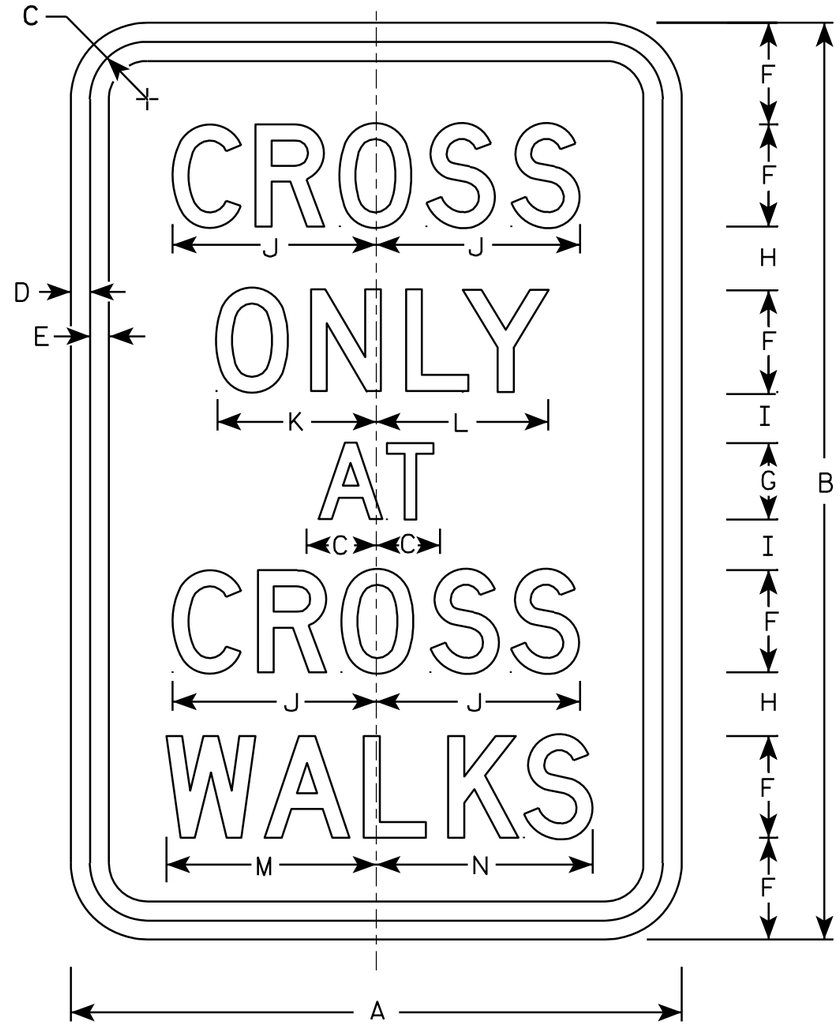
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 144 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000
WISDOT/CADDS SHEET 42



R9-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - 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	12	18	1 1/8	3/8	3/8	2	1 1/2	1 1/4	1	4	3 1/8	3 3/8	4 1/8	4 1/4													1.5
2M	12	18	1 1/8	3/8	3/8	2	1 1/2	1 1/4	1	4	3 1/8	3 3/8	4 1/8	4 1/4													1.5
3																											
4																											
5																											

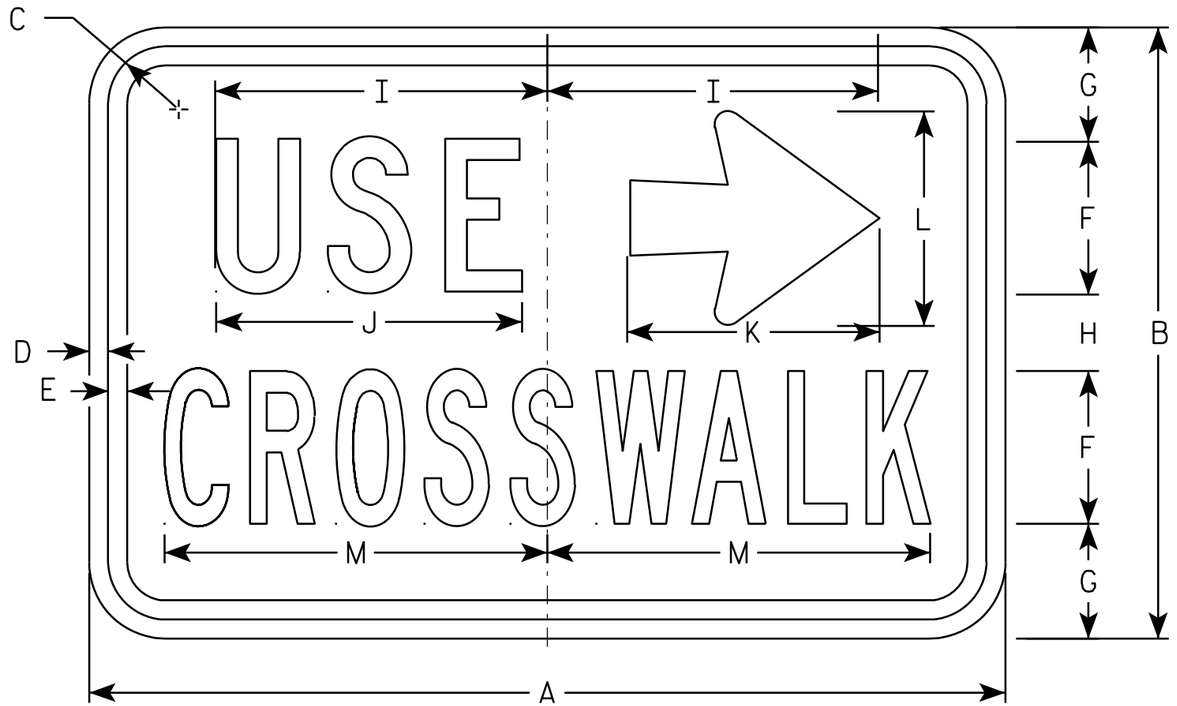
STANDARD SIGN
R9-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R9-2.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 145 E



R9-3BR

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C Line 1, Series B Line 2
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R9-3BL is the same as R9-3BR except USE and the arrow are switched.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
2M	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
3																											
4																											
5																											

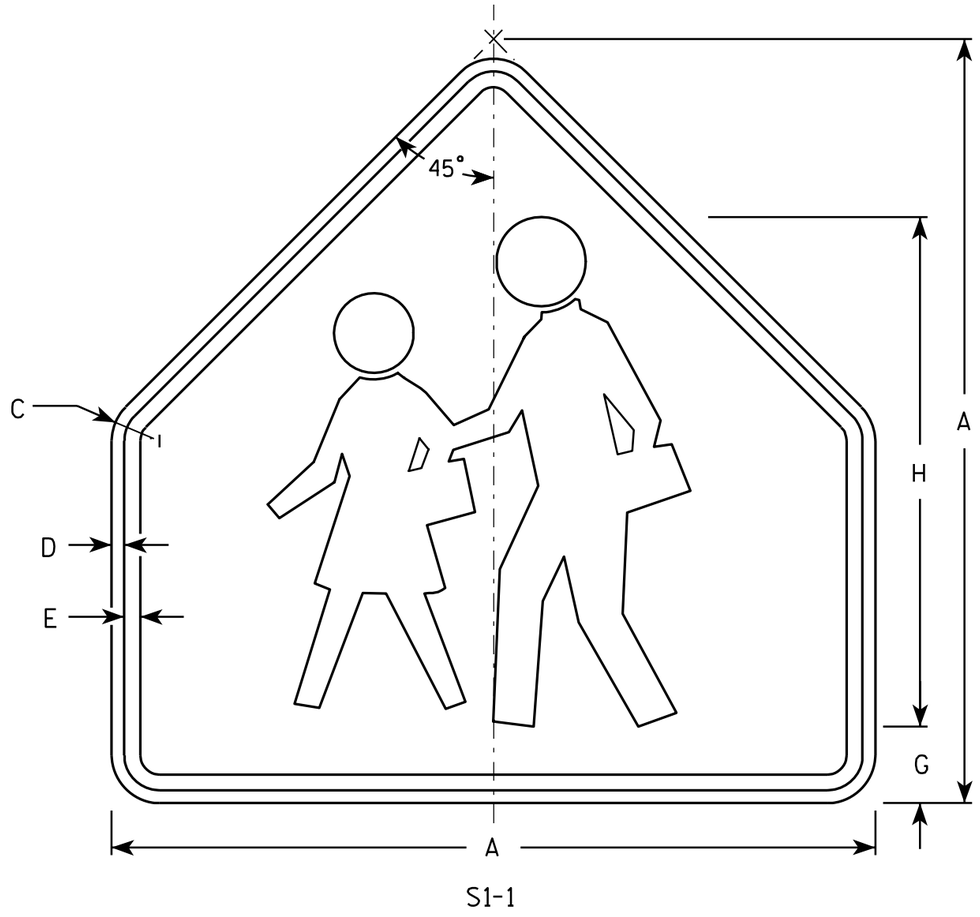
STANDARD SIGN
R9-3BR&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 146 | E



S1-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

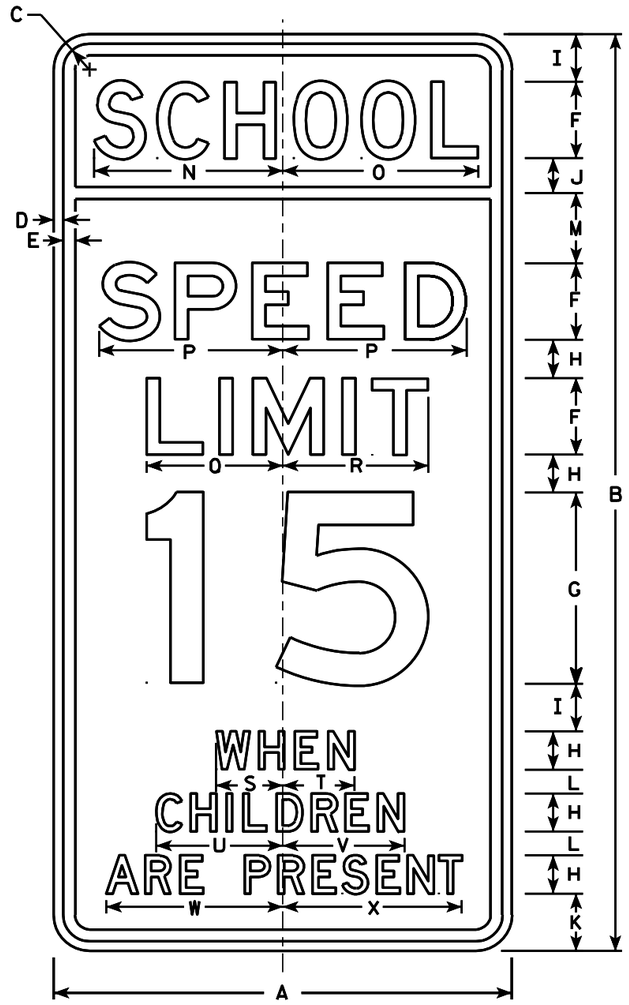
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 147	E



S4-51

NOTES

1. Sign is Type II - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. (See note 5).
2. Color:
   Background - See note 5
   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. Top panel (SCHOOL) background - Yellow Green -Type F Reflective. Lower panel background - White -Type H Reflective.
6. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
7. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 1200 mm
3	900 mm X 1800 mm
4	
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.	Area m2
1																												
2	24	48	1 3/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00	0.72
3	36	72	2 1/4	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00	1.62
4																												
5																												

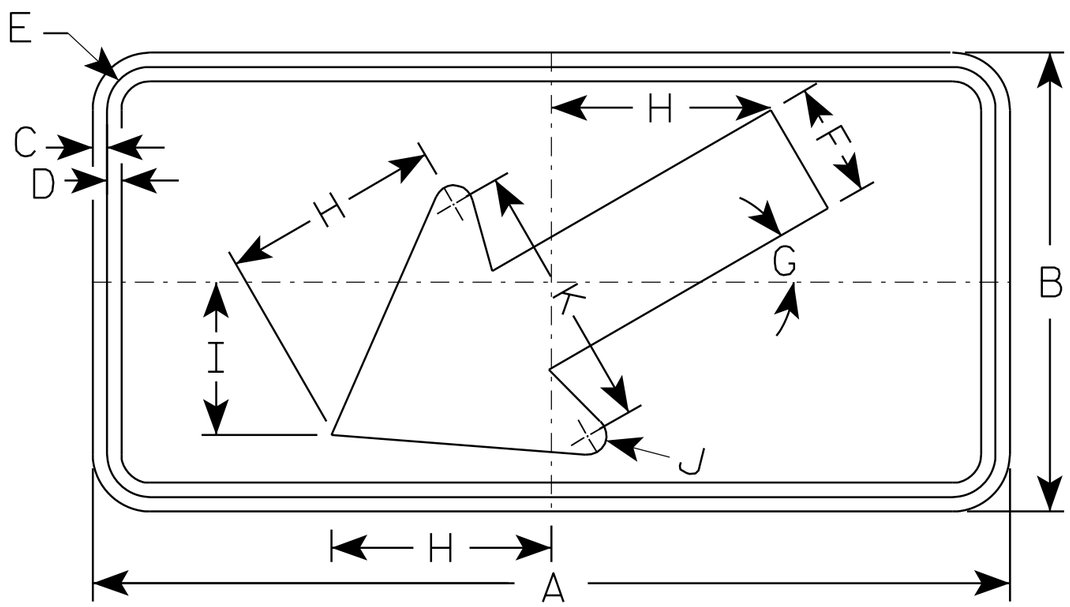
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/10 PLATE NO. S4-51.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 148	E



S16-7L

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-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. S16-7R are the same as S16-7L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
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	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											

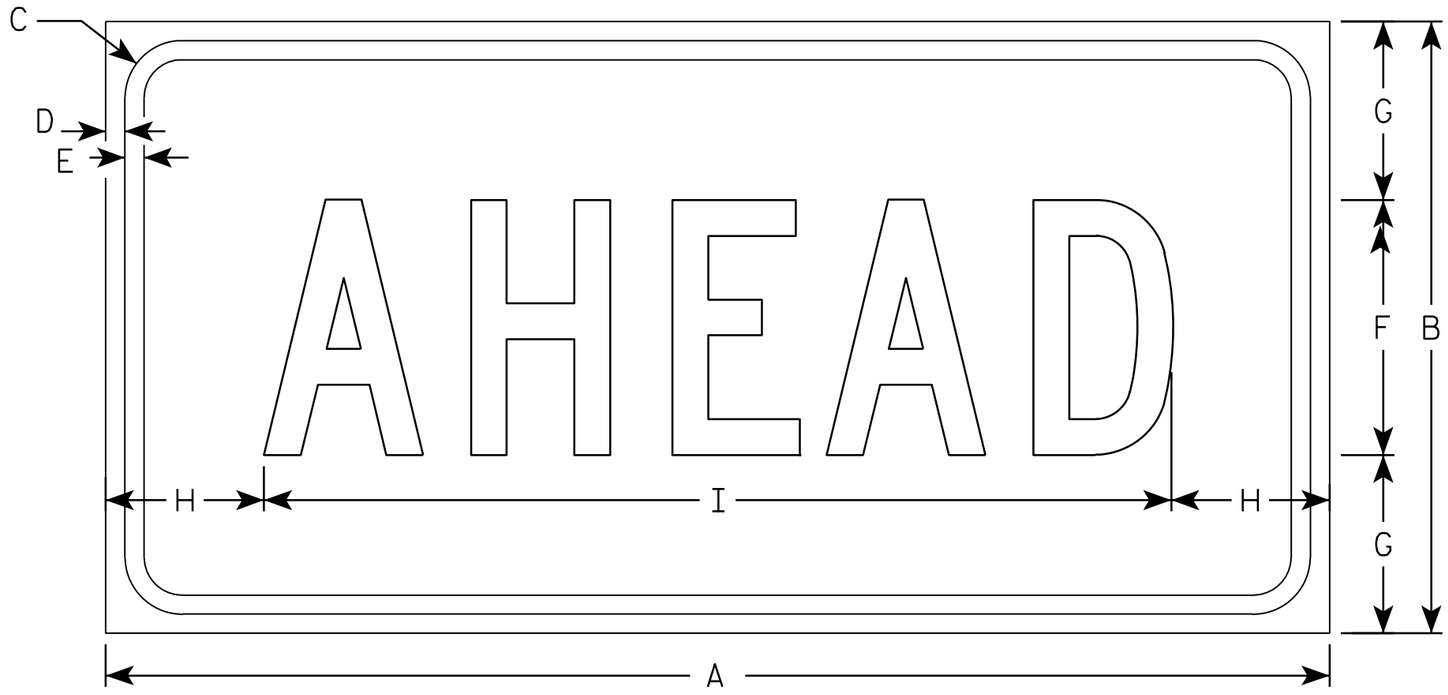
STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 149 | E



S16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
S16-9P

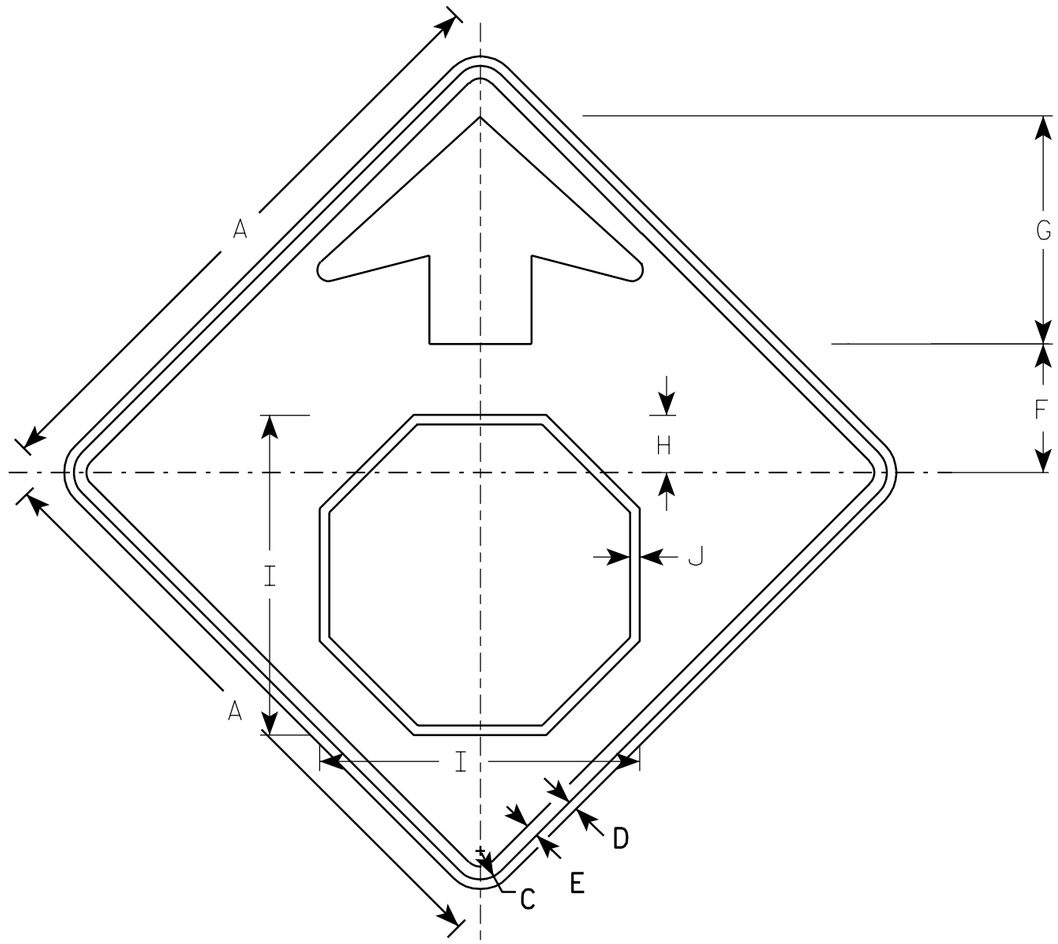
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 150 | E

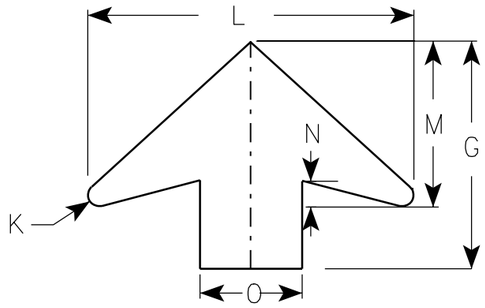
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\S169P.dgn PLOT DATE : 22-JUL-2013 10:32 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 2.977140:1.000000
WISDOT/CADDS SHEET 42



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

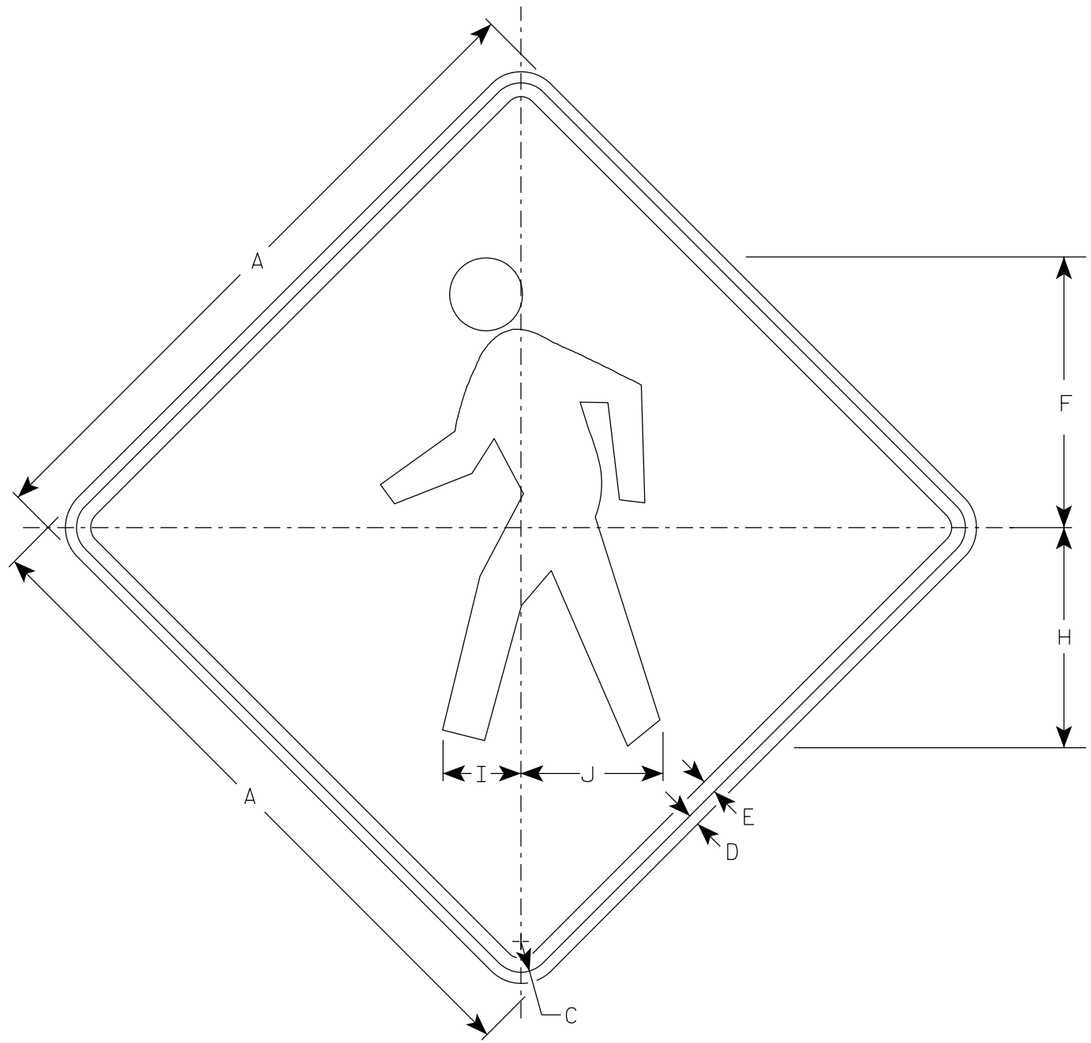
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 151 E



W11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	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

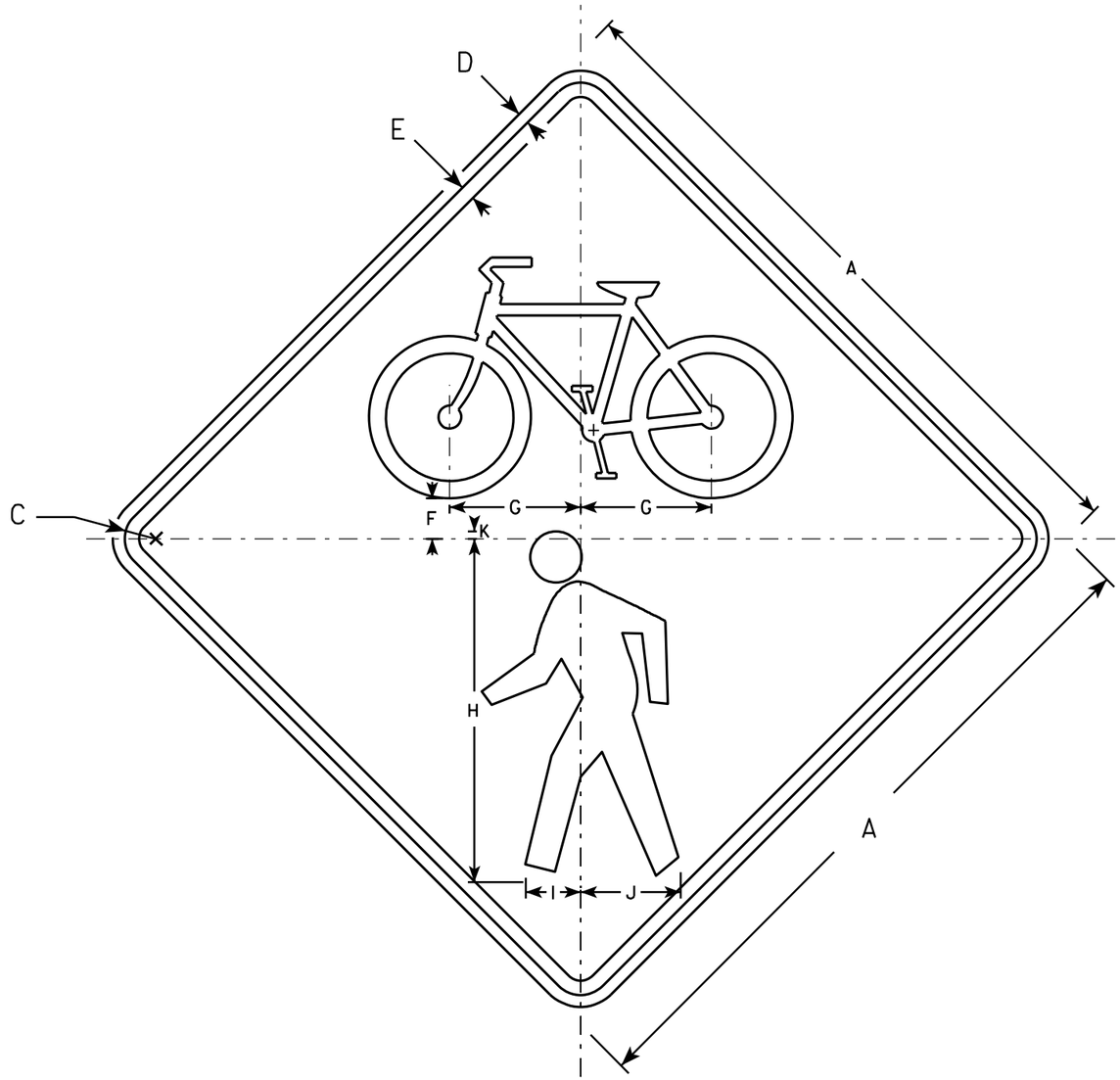
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. W11-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 152 | E



W11-15

NOTES

1. Sign is Type II - Type F Reflective
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	1 3/8	4 5/8	12	1 7/8	3 1/2	1/4																4.0
2S	30		1 3/8	1/2	5/8	1 3/4	5 3/4	15	2 3/8	4 3/8	3/8																6.25
2M	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																9.0
3	36		1 5/8	5/8	3/4	2 1/8	6 7/8	18	2 7/8	5 1/4	3/8																16.0
4	48		2 1/4	3/4	1	2 7/8	9 1/8	24	3 7/8	7	1/2																16.0
5																											

STANDARD SIGN
W11-15

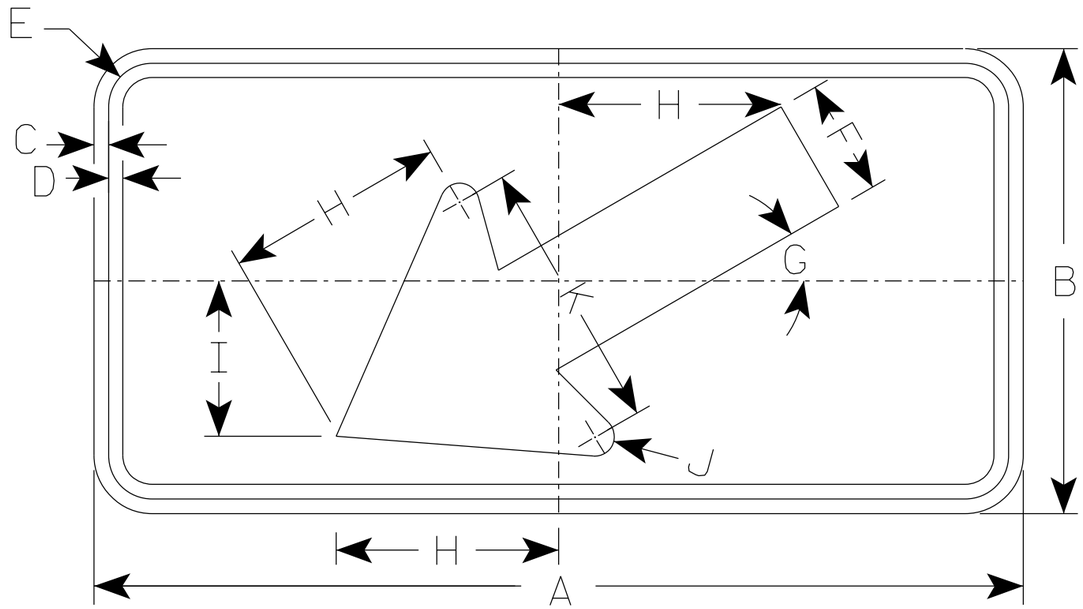
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/13/14 PLATE W11-15.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W1115.DGN PLOT DATE : 13-FEB-2014 10:54 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 7.783368:1.000000
WISDOT/CADDS SHEET 42



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1																											
	2S	24	12	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	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
	5																											

STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

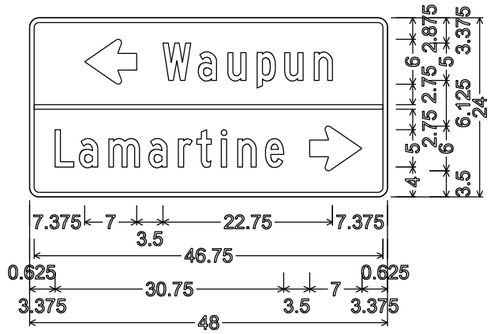
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/25/2020 PLATE NO. W16-7.7

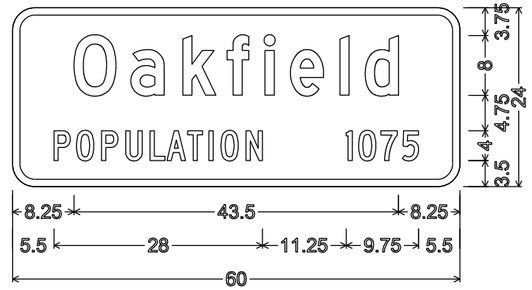
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 154 | E

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - C except as noted.



D1-2 ;1.250" Radius, 0.625" Border,



I2-3 ; 3.000" Radius, 1.000" Border,
"Oakfield" D; "POPULATION" C ; "1075" C;

7

7

PROJECT NO:3876-05-71	HWY:CTH D	COUNTY:FOND DU LAC	PERMANENT SIGNING	SHEET NO: 155	E

Division 1 - Cty-D Parking One Side

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
19+05	1905.00	0.00	115.21	16.67	0.00	0	0	0	0	0	0
19+25	1925.00	20.00	123.55	16.67	0.00	88	12	0	88	0	76
19+50	1950.00	25.00	127.53	16.67	0.00	116	15	0	205	0	177
19+75	1975.00	25.00	118.88	16.67	0.00	114	15	0	319	0	276
19+78	1978.00	3.00	118.92	16.67	0.00	13	2	0	332	0	287
20+00	2000.00	22.00	117.88	16.67	0.00	96	14	0	428	0	370
20+15.12	2015.12	15.12	116.17	16.67	0.00	66	9	0	494	0	426
20+25	2025.00	9.88	113.91	16.67	0.00	42	6	0	536	0	462
20+50	2050.00	25.00	113.03	16.67	0.00	105	15	0	641	0	552
20+57.77	2057.77	7.77	115.48	16.67	0.00	33	5	0	674	0	580
20+75	2075.00	17.23	139.25	16.67	0.00	81	11	0	755	0	650
21+00	2100.00	25.00	135.74	16.67	0.00	127	15	0	883	0	762
21+10.74	2110.74	10.74	137.33	16.67	0.00	54	7	0	937	0	810
21+25	2125.00	14.26	150.74	16.67	0.00	76	9	0	1,013	0	877
21+43.92	2143.92	18.92	113.56	16.67	0.81	93	12	0	1,106	0	958
21+50	2150.00	6.08	106.96	16.67	1.51	25	4	0	1,130	1	978
21+53.34	2153.34	3.34	105.90	16.67	2.01	13	2	0	1,144	1	989
21+58.31	2158.31	4.97	106.32	16.67	1.68	20	3	0	1,163	1	1,005
21+63.63	2163.63	5.32	109.04	16.67	0.96	21	3	0	1,184	2	1,023
21+75	2175.00	11.37	114.94	16.67	0.00	47	7	0	1,231	2	1,063
22+00	2200.00	25.00	123.96	16.67	0.00	111	15	0	1,342	2	1,158
22+25	2225.00	25.00	132.40	16.50	0.00	119	15	0	1,461	2	1,261
22+39.53	2239.53	14.53	133.69	16.50	0.87	72	9	0	1,532	2	1,324
22+50	2250.00	10.47	126.37	16.50	2.33	50	6	1	1,583	3	1,367
22+75	2275.00	25.00	129.08	16.50	0.00	118	15	1	1,701	4	1,469
22+96.66	2296.66	21.66	139.70	16.50	0.00	108	13	0	1,809	4	1,563
23+00	2300.00	3.34	136.43	21.90	0.00	17	2	0	1,826	4	1,578
23+25	2325.00	25.00	143.16	21.90	0.00	129	20	0	1,955	4	1,687
23+50	2350.00	25.00	142.30	21.90	0.00	132	20	0	2,088	4	1,799
23+62.37	2362.37	12.37	141.58	21.90	0.00	65	10	0	2,153	4	1,854
23+75	2375.00	12.63	141.27	21.90	0.00	66	10	0	2,219	4	1,910
23+85	2385.00	10.00	138.71	21.90	0.00	52	8	0	2,271	4	1,954
23+95	2395.00	10.00	136.64	21.90	0.00	51	8	0	2,322	4	1,997
24+00	2400.00	5.00	139.97	21.90	0.00	26	4	0	2,347	4	2,018
24+15	2415.00	15.00	137.56	21.90	0.00	77	12	0	2,424	4	2,083
24+25	2425.00	10.00	135.00	21.90	0.00	50	8	0	2,475	4	2,125
24+35.56	2435.56	10.56	135.62	21.90	0.00	53	9	0	2,528	4	2,170
24+42.56	2442.56	7.00	131.78	21.90	0.00	35	6	0	2,562	4	2,199
24+50	2450.00	7.44	141.75	21.90	0.00	38	6	0	2,600	4	2,230
24+75	2475.00	25.00	133.35	21.90	0.00	127	20	0	2,727	4	2,337
25+00	2500.00	25.00	126.24	21.90	0.00	120	20	0	2,848	4	2,437
25+06.88	2506.88	6.88	128.25	21.90	0.00	32	6	0	2,880	4	2,464
25+25	2525.00	18.12	126.53	21.90	0.00	85	15	0	2,965	4	2,535
25+47.57	2547.57	22.57	126.70	21.90	0.00	106	18	0	3,071	4	2,623
25+50	2550.00	2.43	126.84	21.90	0.00	11	2	0	3,083	4	2,632
25+75	2575.00	25.00	125.03	21.90	0.00	117	20	0	3,199	4	2,728
26+00	2600.00	25.00	126.96	21.90	0.00	117	20	0	3,316	4	2,825
26+25	2625.00	25.00	129.39	21.90	0.00	119	20	0	3,435	4	2,923
26+50	2650.00	25.00	123.50	21.90	0.00	117	20	0	3,552	4	3,020
26+65	2665.00	15.00	130.08	21.90	0.00	70	12	0	3,622	4	3,078
26+75	2675.00	10.00	136.96	21.90	0.00	49	8	0	3,672	4	3,119
26+80	2680.00	5.00	139.16	21.90	0.00	26	4	0	3,697	4	3,141
27+00	2700.00	20.00	136.74	22.57	0.00	102	16	0	3,799	4	3,227
27+10	2710.00	10.00	140.97	22.57	0.00	51	8	0	3,851	4	3,270
27+25	2725.00	15.00	138.09	22.57	0.00	78	13	0	3,928	4	3,335
27+32	2732.00	7.00	136.83	22.57	0.00	36	6	0	3,964	4	3,365
27+50	2750.00	18.00	132.91	22.57	0.00	90	15	0	4,054	4	3,439
27+75	2775.00	25.00	134.67	22.57	0.00	124	21	0	4,178	4	3,542
27+93.13	2793.13	18.13	185.27	22.57	13.01	107	15	4	4,285	10	3,629
28+00	2800.00	6.87	134.50	22.57	28.82	41	6	5	4,326	16	3,657
28+12.8	2812.80	12.80	135.20	22.57	1.67	64	11	7	4,390	26	3,702
28+17.14	2817.14	4.33	135.51	22.57	0.00	22	4	0	4,412	26	3,720
28+25	2825.00	7.86	134.69	22.57	0.00	39	7	0	4,451	26	3,752
28+50	2850.00	25.00	133.83	22.57	0.00	124	21	0	4,575	26	3,856
28+75	2875.00	25.00	134.92	22.57	0.00	124	21	0	4,700	26	3,959
29+00	2900.00	25.00	130.67	22.57	0.00	123	21	0	4,823	26	4,061
29+11	2911.00	11.00	128.51	22.57	0.00	53	9	0	4,875	26	4,105
29+25	2925.00	14.00	127.05	22.57	0.00	66	12	0	4,942	26	4,160
29+50	2950.00	25.00	126.04	22.57	0.00	117	21	0	5,059	26	4,256

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Division 1 - Cty-D Parking One Side

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
29+75	2975.00	25.00	124.68	22.57	0.00	116	21	0	5,175	26	4,351
30+00	3000.00	25.00	122.62	22.57	0.00	114	21	0	5,289	26	4,445
30+25	3025.00	25.00	119.52	22.57	0.00	112	21	0	5,401	26	4,536
30+50	3050.00	25.00	117.18	22.57	0.00	110	21	0	5,511	26	4,624
30+75	3075.00	25.00	116.20	22.57	0.00	108	21	0	5,619	26	4,712
31+00	3100.00	25.00	117.25	22.57	0.00	108	21	0	5,727	26	4,799
31+25	3125.00	25.00	119.50	22.57	0.00	110	21	0	5,837	26	4,888
31+50	3150.00	25.00	120.62	22.57	0.00	111	21	0	5,948	26	4,978
31+60	3160.00	10.00	120.97	22.57	0.00	45	8	0	5,993	26	5,014
31+65.82	3165.82	5.82	124.28	22.57	0.00	26	5	0	6,019	26	5,036
31+70	3170.00	4.18	124.02	22.57	0.00	19	3	0	6,038	26	5,051
31+75	3175.00	5.00	131.27	22.57	0.00	24	4	0	6,062	26	5,071
31+80	3180.00	5.00	139.60	22.57	0.00	25	4	0	6,087	26	5,092
31+85	3185.00	5.00	138.66	22.57	0.00	26	4	0	6,113	26	5,113
32+00	3200.00	15.00	138.72	22.57	0.00	77	13	0	6,190	26	5,178
32+10	3210.00	10.00	128.46	22.57	0.00	49	8	0	6,239	26	5,219
32+20	3220.00	10.00	124.30	22.57	0.09	47	8	0	6,286	26	5,257
32+25	3225.00	5.00	119.67	22.57	1.11	23	4	0	6,309	26	5,276
32+35	3235.00	10.00	118.32	22.57	0.54	44	8	0	6,353	26	5,311
32+50	3250.00	15.00	117.13	22.57	0.00	65	13	0	6,418	26	5,364
32+75	3275.00	25.00	117.24	22.57	0.00	109	21	0	6,527	26	5,451
33+00	3300.00	25.00	117.55	22.57	0.00	109	21	0	6,635	26	5,539
33+25	3325.00	25.00	117.82	22.57	0.00	109	21	0	6,744	26	5,627
33+50	3350.00	25.00	119.94	22.57	0.00	110	21	0	6,854	26	5,716
33+75	3375.00	25.00	119.19	22.57	0.00	111	21	0	6,965	26	5,806
33+90	3390.00	15.00	120.77	22.57	0.11	67	13	0	7,032	26	5,860
34+00	3400.00	10.00	122.31	22.57	0.62	45	8	0	7,077	27	5,897
34+07.87	3407.87	7.87	123.19	22.57	0.27	36	7	0	7,113	27	5,926
34+25	3425.00	17.13	125.71	22.57	0.00	79	14	0	7,192	27	5,990
34+50	3450.00	25.00	128.43	22.57	0.00	118	21	0	7,309	27	6,087
34+59.9	3459.90	9.90	124.03	22.57	0.00	46	8	0	7,356	27	6,125
34+75	3475.00	15.10	122.97	22.57	0.00	69	13	0	7,425	27	6,182
34+78.6	3478.60	3.60	123.86	22.57	0.00	16	3	0	7,441	27	6,195
34+92.45	3492.45	13.85	117.76	22.57	0.00	62	12	0	7,503	27	6,245
35+00	3500.00	7.55	116.66	22.57	0.00	33	6	0	7,536	27	6,272
35+25	3525.00	25.00	117.99	22.57	0.00	109	21	0	7,644	27	6,360
35+50	3550.00	25.00	118.17	22.57	0.00	109	21	0	7,754	27	6,448
35+75	3575.00	25.00	119.18	22.57	0.00	110	21	0	7,864	27	6,537
36+00	3600.00	25.00	118.97	22.57	0.09	110	21	0	7,974	27	6,626
36+25	3625.00	25.00	115.64	22.57	0.11	109	21	0	8,083	27	6,714
36+45.36	3645.36	20.36	118.60	22.57	0.00	88	17	0	8,171	27	6,785
36+50	3650.00	4.64	116.88	22.57	0.00	20	4	0	8,191	27	6,802
36+75	3675.00	25.00	114.96	22.57	0.27	107	21	0	8,298	27	6,888
36+87.06	3687.06	12.06	115.05	22.57	0.41	51	10	0	8,350	27	6,929
37+00	3700.00	12.94	115.61	22.57	0.16	55	11	0	8,405	28	6,973
37+25	3725.00	25.00	114.46	22.57	0.00	107	21	0	8,512	28	7,059
37+50	3750.00	25.00	117.97	22.57	0.08	108	21	0	8,619	28	7,145
37+75	3775.00	25.00	111.98	22.57	0.18	106	21	0	8,726	28	7,231
38+00	3800.00	25.00	113.49	22.57	0.22	104	21	0	8,830	28	7,314
38+25	3825.00	25.00	115.17	22.57	0.31	106	21	0	8,936	28	7,399
38+39	3839.00	14.00	116.43	22.57	0.31	60	12	0	8,996	29	7,447
38+50	3850.00	11.00	116.84	22.57	0.25	48	9	0	9,043	29	7,485
38+75	3875.00	25.00	116.28	22.57	0.71	108	21	0	9,151	29	7,572
39+00	3900.00	25.00	117.01	22.57	0.00	108	21	0	9,259	30	7,658
39+25	3925.00	25.00	115.01	22.57	0.42	107	21	0	9,367	30	7,745
39+50	3950.00	25.00	116.43	11.00	0.86	107	16	1	9,474	31	7,835
39+75	3975.00	25.00	119.88	10.00	0.00	109	10	0	9,583	31	7,935
39+91.12	3991.12	16.12	125.67	10.00	0.00	73	6	0	9,657	31	8,002
39+96.12	3996.12	5.00	124.28	10.00	0.00	23	2	0	9,680	31	8,023
40+00	4000.00	3.88	119.97	10.00	0.28	18	1	0	9,697	31	8,039
40+10	4010.00	10.00	123.66	10.00	0.51	45	4	0	9,742	31	8,081
40+20	4020.00	10.00	145.98	10.00	0.29	50	4	0	9,792	32	8,127
40+22.79	4022.79	2.79	135.39	10.00	0.00	15	1	0	9,807	32	8,140
40+25	4025.00	2.21	135.97	10.00	0.00	11	1	0	9,818	32	8,150
40+30	4030.00	5.00	137.21	10.00	0.00	25	2	0	9,843	32	8,174
40+40	4040.00	10.00	138.87	10.00	0.00	51	4	0	9,894	32	8,221
40+50	4050.00	10.00	149.14	10.00	0.00	53	4	0	9,948	32	8,271
40+55	4055.00	5.00	134.98	10.00	7.99	26	2	1	9,974	33	8,294
40+66.24	4066.24	11.24	124.06	10.00	1.79	54	4	2	10,028	35	8,342

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Division 1 - Cty-D Parking One Side

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
40+75	4075.00	8.76	113.40	9.33	0.52	39	3	0	10,067	36	8,377
40+95	4095.00	20.00	170.70	9.33	4.99	105	7	2	10,172	38	8,472
41+02	4102.00	7.00	162.49	9.33	4.03	43	2	1	10,215	40	8,512
41+25	4125.00	23.00	143.93	9.33	2.07	131	8	3	10,345	43	8,631
41+50	4150.00	25.00	136.09	9.33	0.31	130	9	1	10,475	44	8,751
41+66.07	4166.07	16.07	119.03	9.33	0.00	76	6	0	10,551	44	8,821
41+67	4167.00	0.93	61.98	13.33	0.00	3	0	0	10,554	44	8,824
41+75	4175.00	8.00	64.56	13.33	0.00	19	4	0	10,573	44	8,838
42+00	4200.00	25.00	78.47	13.33	0.00	66	12	0	10,639	44	8,892
42+25	4225.00	25.00	91.17	13.33	0.00	79	12	0	10,718	44	8,958
42+50	4250.00	25.00	102.39	13.33	0.00	90	12	0	10,807	44	9,036
42+75	4275.00	25.00	113.43	13.33	0.00	100	12	0	10,907	44	9,123
43+00	4300.00	25.00	130.63	13.33	0.00	113	12	0	10,907	44	9,224
43+20	4320.00	20.00	173.84	13.33	0.00	113	10	0	10,907	44	9,327
43+25	4325.00	5.00	235.50	13.33	0.00	38	2	0	18,665	44	9,362
43+50	4350.00	25.00	317.45	13.33	0.00	294	12	0	78,825	44	9,644
43+53.53	4353.53	3.53	326.06	13.33	0.00	42	2	0	78,867	44	9,684
43+75	4375.00	21.47	218.14	13.33	0.00	173	11	0	136,446	44	9,847
44+00	4400.00	25.00	66.69	0.00	0.00	132	6	0	136,446	44	9,973
44+25	4425.00	25.00	20.14	0.00	0.00	40	0	0	156,302	44	10,013
44+50	4450.00	25.00	1.31	0.00	0.00	10	0	0	156,312	44	10,023
			20,298	2,984	84	11,862	1,795	35			

Division -- Cty-Y

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
02+26.82	226.82	0.00	64.43	5.41	0.00	0	0	0	0	0	0
02+30	230.00	3.18	63.82	5.41	0.00	8	1	0	8	0	7
02+40	240.00	10.00	63.82	5.41	0.00	24	2	0	31	0	29
02+47.55	247.55	7.55	123.70	39.16	0.00	26	6	0	57	0	49
02+50	250.00	2.45	120.84	39.16	0.06	11	4	0	69	0	56
02+58.27	258.27	8.27	119.47	39.16	0.11	37	12	0	105	0	81
02+60	260.00	1.73	118.73	39.16	0.30	8	3	0	113	0	86
02+67	267.00	7.00	120.54	39.16	0.36	31	10	0	144	0	107
02+70	270.00	3.00	121.87	39.16	0.45	13	4	0	157	0	116
02+75	275.00	5.00	123.92	39.16	1.39	23	7	0	180	0	131
02+80	280.00	5.00	129.64	39.16	0.69	23	7	0	204	1	147
02+90	290.00	10.00	133.21	39.16	0.00	49	15	0	252	1	181
03+00	300.00	10.00	136.20	39.16	0.17	50	15	0	302	1	216
03+10	310.00	10.00	147.04	35.16	0.00	52	14	0	355	1	255
03+12.63	312.63	2.63	143.32	35.16	0.20	14	3	0	369	1	266
03+16.93	316.93	4.29	143.63	35.16	0.28	23	6	0	392	1	283
03+20	320.00	3.07	144.11	35.16	0.20	16	4	0	408	1	295
03+25	325.00	5.00	141.16	35.16	0.13	26	7	0	434	1	315
03+30	330.00	5.00	136.52	35.16	0.07	26	7	0	460	1	334
03+40	340.00	10.00	142.03	35.16	0.08	52	13	0	512	1	373
03+50	350.00	10.00	148.92	10.50	0.00	54	8	0	566	1	418
03+60	360.00	10.00	153.18	10.50	0.00	56	4	0	622	1	470
03+70	370.00	10.00	151.72	10.50	0.00	56	4	0	678	1	523
03+75	375.00	5.00	151.72	10.50	0.00	28	2	0	706	1	549
03+79.99	379.99	4.99	151.26	10.50	0.00	28	2	0	734	1	575
03+83.14	383.14	3.15	146.69	10.50	0.00	17	1	0	751	1	591
03+90	390.00	6.86	144.61	10.50	0.00	37	3	0	789	1	626
03+92.68	392.68	2.68	142.19	10.50	0.00	14	1	0	803	1	639
03+98.04	398.04	5.36	156.33	10.50	1.11	30	2	0	832	1	666
04+00	400.00	1.96	168.29	10.50	7.69	12	1	0	844	2	677
04+01	401.00	1.00	0.00	10.50	0.00	3	0	0	844	2	680
04+49	449.00	48.00	0.00	10.50	0.00	0	19	0	844	2	661
04+50	450.00	1.00	123.80	10.50	0.00	2	0	0	916	2	663
04+50.45	450.45	0.45	123.80	10.50	0.00	2	0	0	979	2	665
04+58.39	458.39	7.94	130.83	19.90	0.00	37	4	0	1,017	2	698
04+63.23	463.23	4.84	116.81	19.90	0.03	22	4	0	1,039	2	716
04+70.01	470.01	6.78	120.60	19.90	0.00	30	5	0	1,069	2	741
04+75	475.00	4.99	124.43	19.90	0.00	23	4	0	1,091	2	760
04+80	480.00	5.00	127.66	19.90	0.00	23	4	0	1,115	2	780
04+82.09	482.09	2.09	128.62	19.90	0.00	10	2	0	1,125	2	788
04+84.49	484.49	2.40	128.99	19.90	0.00	11	2	0	1,136	2	798
			5,078	940	13	1,008	209	1			

Division -- Cth-D Drainge Ditch Opt 2

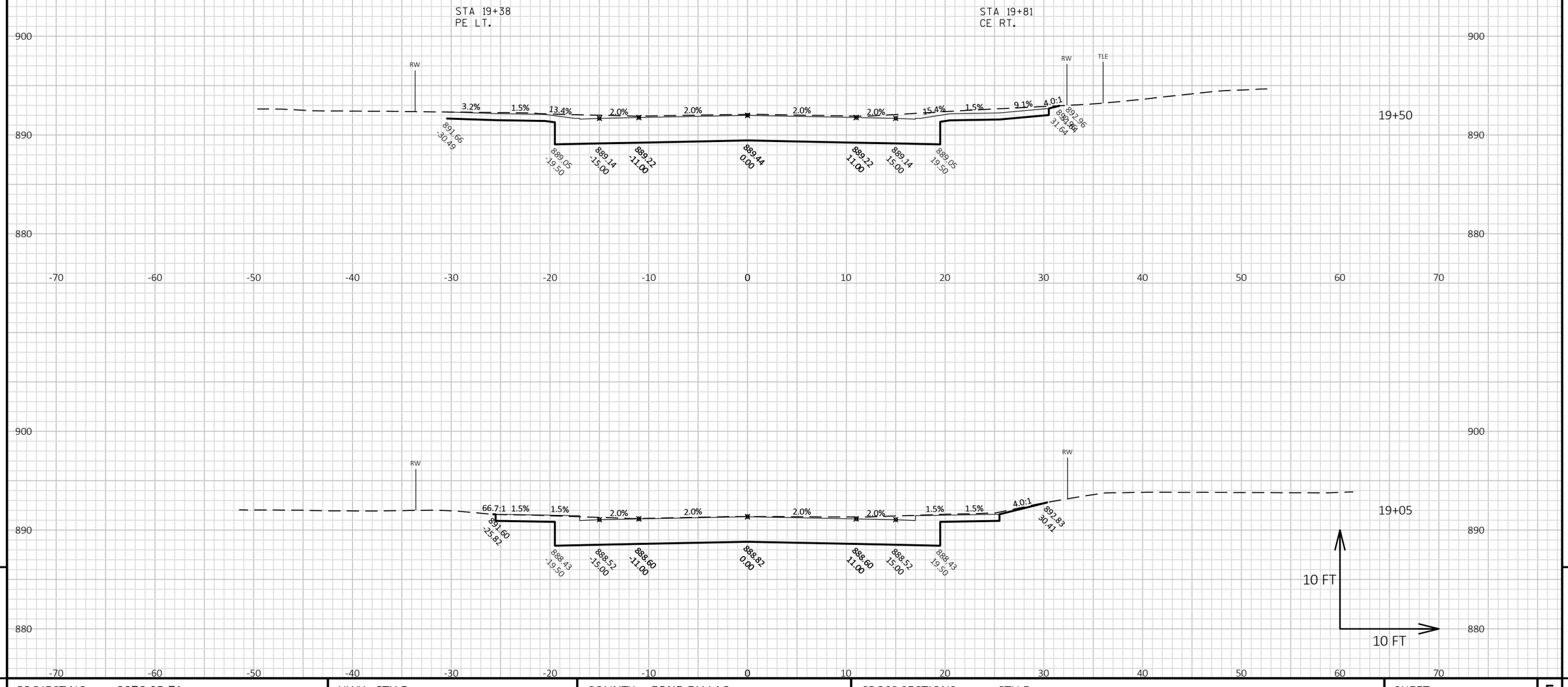
STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
08+57	857.00	0.00	208.62	0.00	0.00	0	0	0	0	0	0
08+75	875.00	18.00	143.30	0.00	0.00	117	0	0	117	0	117
09+00	900.00	25.00	110.82	0.00	0.00	118	0	0	235	0	235
09+25	925.00	25.00	107.76	0.00	0.00	101	0	0	336	0	336
09+50	950.00	25.00	96.59	0.00	0.00	95	0	0	431	0	431
09+75	975.00	25.00	95.16	0.00	0.00	89	0	0	520	0	520
10+00	1000.00	25.00	88.06	0.00	0.00	85	0	0	604	0	604
10+25	1025.00	25.00	19.93	0.00	0.00	50	0	0	654	0	654
10+50	1050.00	25.00	1.57	0.00	0.00	10	0	0	664	0	664
10+52.29	1052.29	2.29	0.69	0.00	0.00	0	0	0	664	0	664
			872	0	0	664	0	0			

Division -- School St Ditch

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
21+92.7	2192.70	0.00	0.22	0.00	0.00	0	0	0	0	0	0
22+00	2200.00	7.30	0.97	0.00	0.00	0	0	0	0	0	0
22+25	2225.00	25.00	5.57	0.00	0.00	3	0	0	3	0	3
22+50	2250.00	25.00	4.16	0.00	0.00	5	0	0	8	0	8
22+75	2275.00	25.00	10.01	0.00	0.00	7	0	0	14	0	14
23+00	2300.00	25.00	23.93	0.00	0.00	16	0	0	30	0	30
23+25	2325.00	25.00	27.16	0.00	0.00	24	0	0	54	0	54
23+50	2350.00	25.00	42.32	0.00	0.00	32	0	0	86	0	86
23+75	2375.00	25.00	54.41	0.00	0.00	45	0	0	131	0	131
24+00	2400.00	25.00	68.94	0.00	0.00	57	0	0	188	0	188
24+11.59	2411.59	11.59	94.57	0.00	0.00	35	0	0	223	0	223
24+15.17	2415.17	3.59	121.38	0.00	0.00	14	0	0	237	0	237
24+25	2425.00	9.83	144.10	0.00	0.00	48	0	0	285	0	285
24+33.85	2433.85	8.85	92.99	0.00	0.00	39	0	0	324	0	324
			691	0	0	324	0	0			

Division -- SS Channel

STATION	REAL STATION	DISTANCE	AREA (SF) CUT	AREA (SF) SALVAGED/UNUSABLE PAVEMENT MATERIAL	AREA (SF) FILL	INCREMENTAL VOL (CY) (UNADJUSTED) CUT NOTE 1	INCREMENTAL VOL (CY) (UNADJUSTED) SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	INCREMENTAL VOL (CY) (UNADJUSTED) FILL NOTE 3	CUMULATIVE VOL (CY) CUT 1.00 NOTE 1	CUMULATIVE VOL (CY) EXPANDED FILL 1.25	CUMULATIVE VOL (CY) MASS ORDINATE NOTE 8
10+00	1000.00	0.00	0.01	0.00	0.00	0	0	0	0	0	0
10+10	1010.00	10.00	8.55	0.00	0.00	2	0	0	2	0	2
10+20	1020.00	10.00	43.30	0.00	0.00	10	0	0	11	0	11
10+29.05	1029.05	9.05	113.10	0.00	0.00	26	0	0	37	0	37
10+30	1030.00	0.95	116.10	0.00	0.00	4	0	0	41	0	41
10+34.72	1034.72	4.72	100.20	0.00	0.00	19	0	0	60	0	60
10+37	1037.00	2.28	76.50	0.00	0.00	7	0	0	68	0	68
			458	0	0	68	0	0			

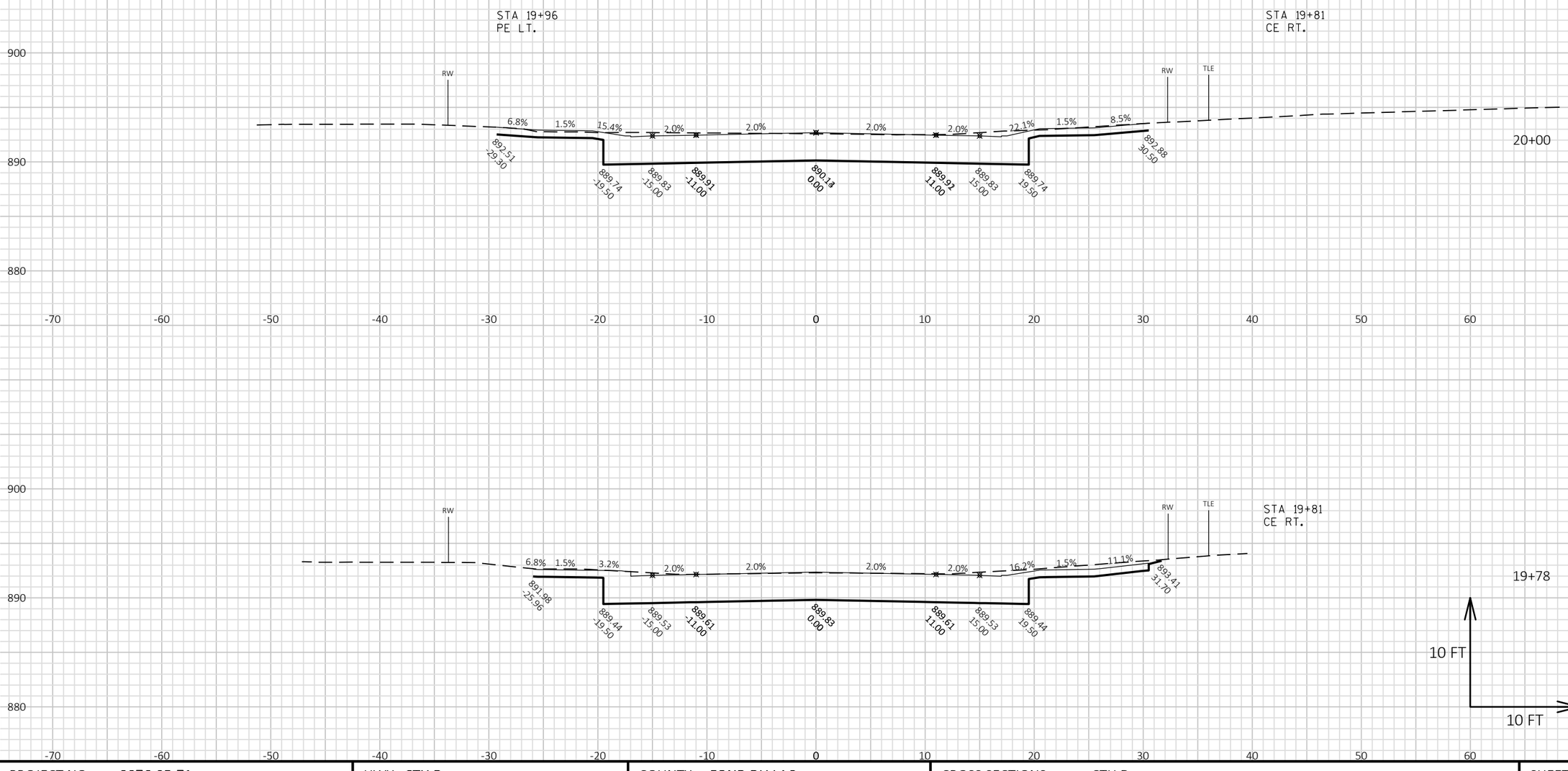


PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 161 E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 7/15/2020 9:23 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

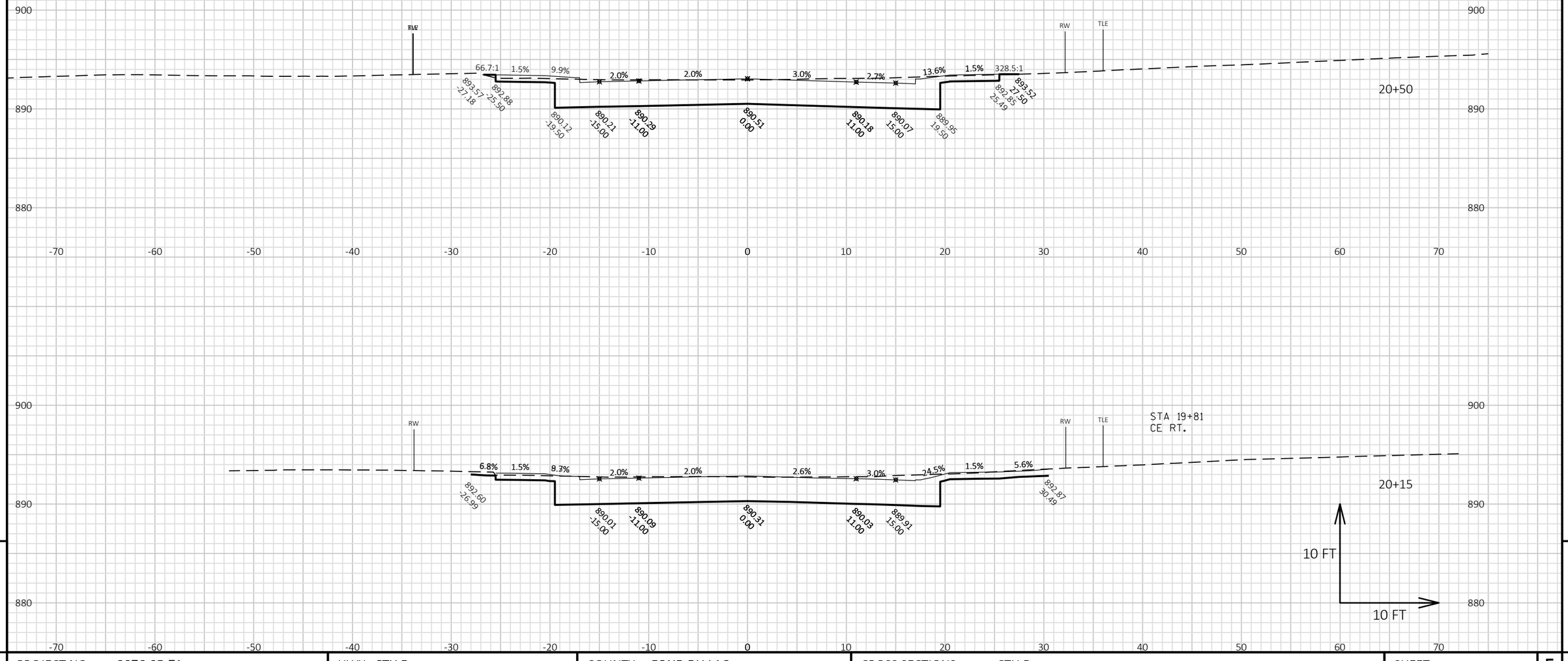


PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 162	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090202-xs

PLOT DATE : 7/15/2020 9:23 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

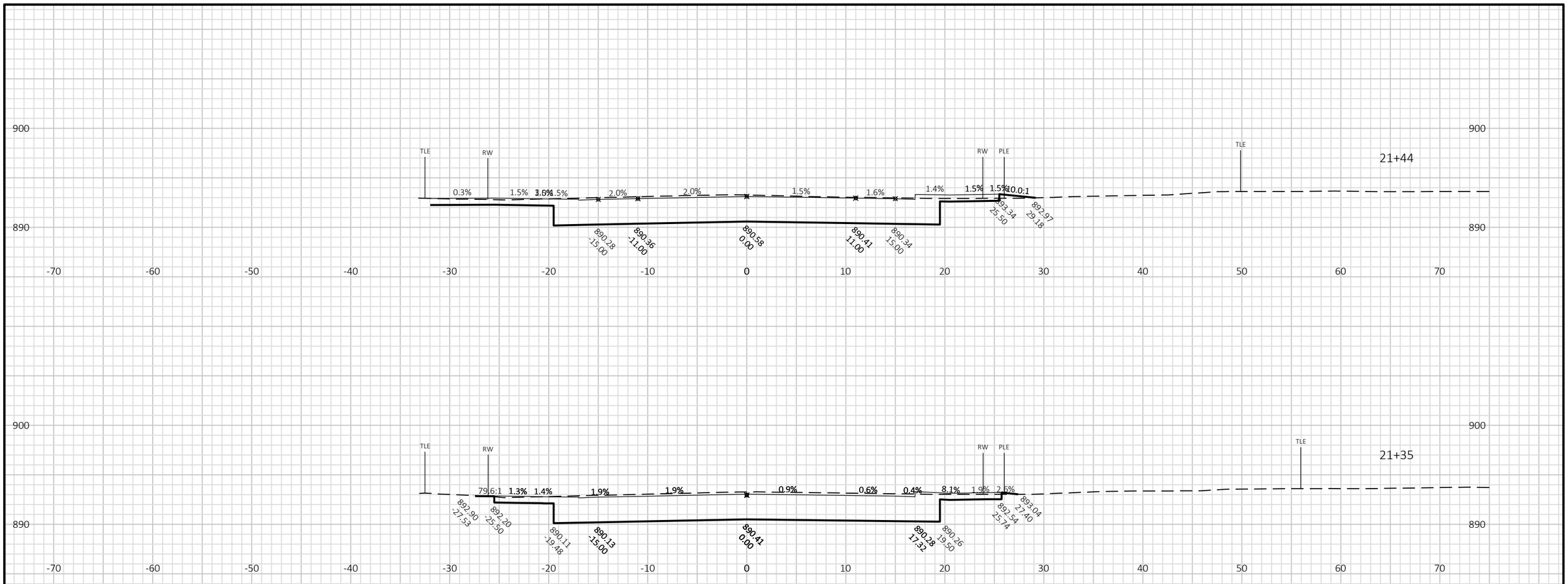


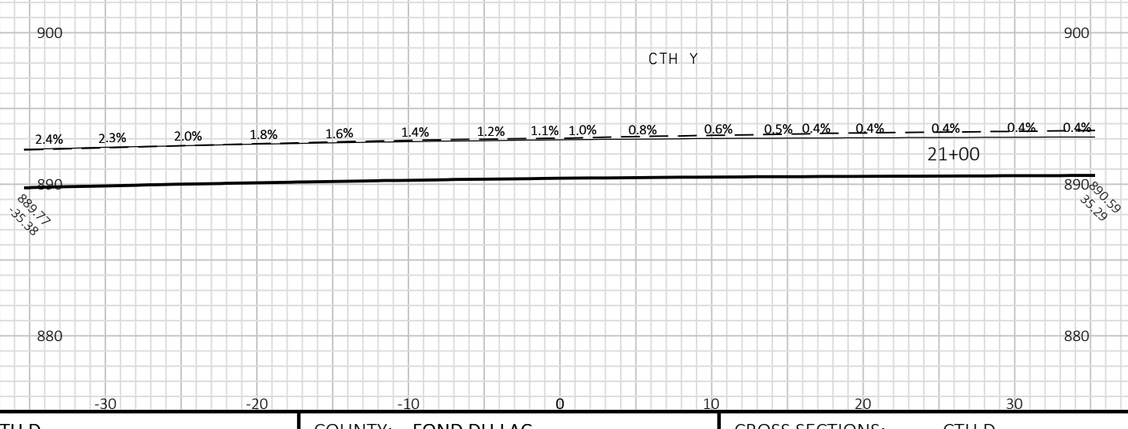
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 163	E

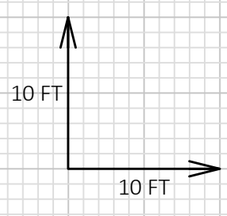
FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 7/15/2020 9:23 AM PLOT BY : BOBBI MAXWELL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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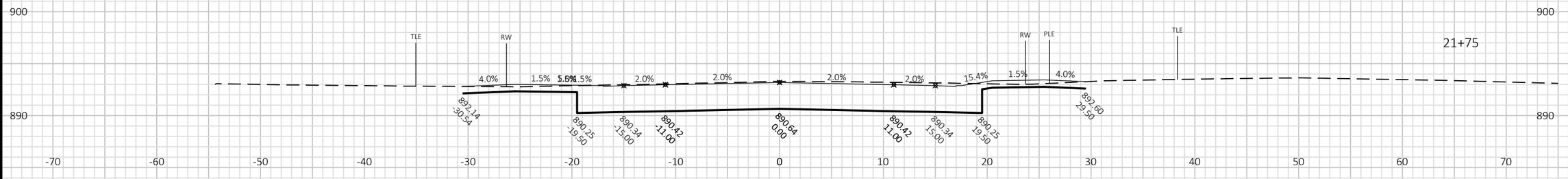
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 164	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090204-xs

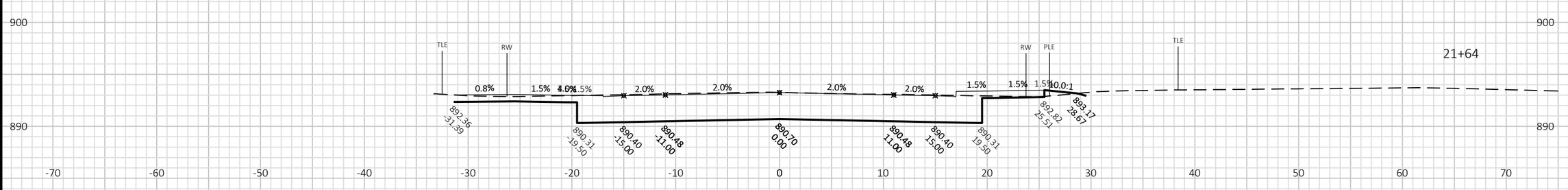
PLOT DATE : 7/15/2020 9:23 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

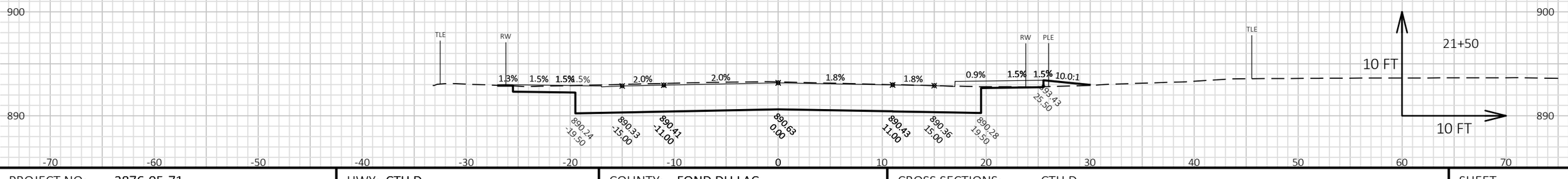
WISDOT/CADDS SHEET 49

STA 21+91
CE LT.



STA 21+72
WILD GOOSE STATE TRAIL RT.





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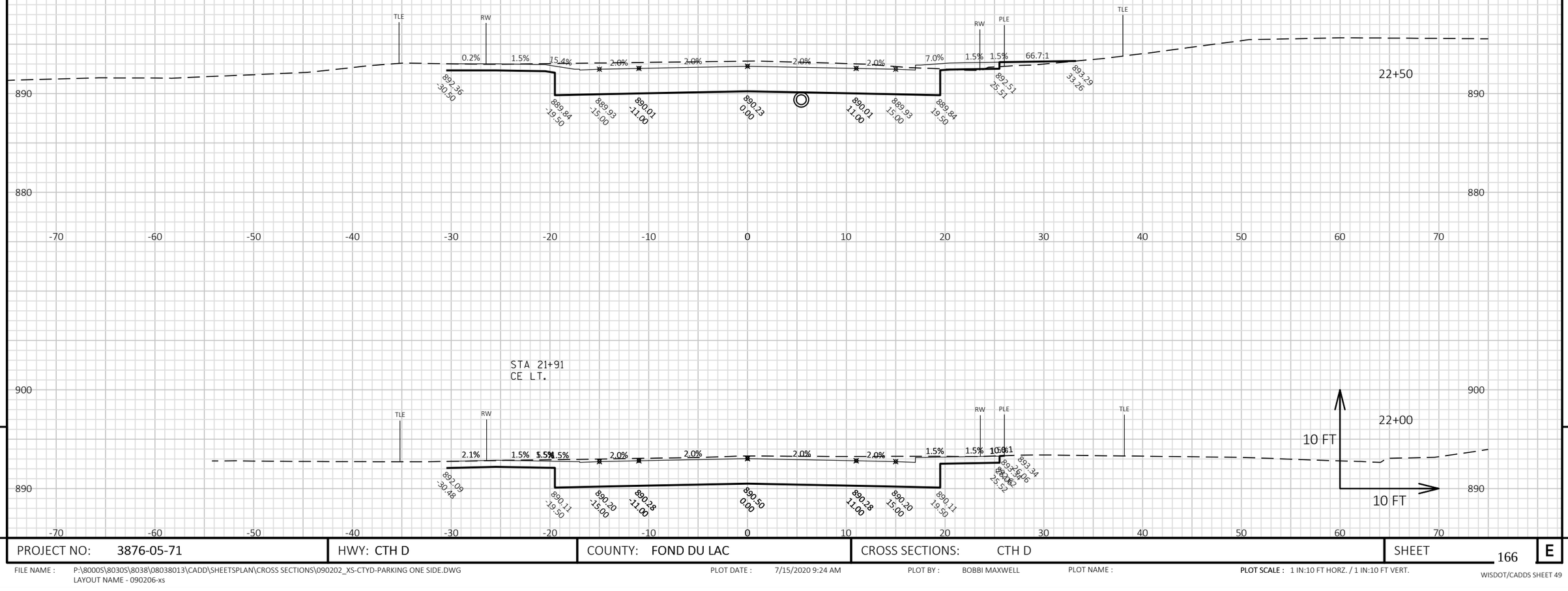
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 165	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 7/15/2020 9:23 AM PLOT BY : BOBBI MAXWELL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

STA 22+49
WILD GOOSE STATE TRAIL LT.



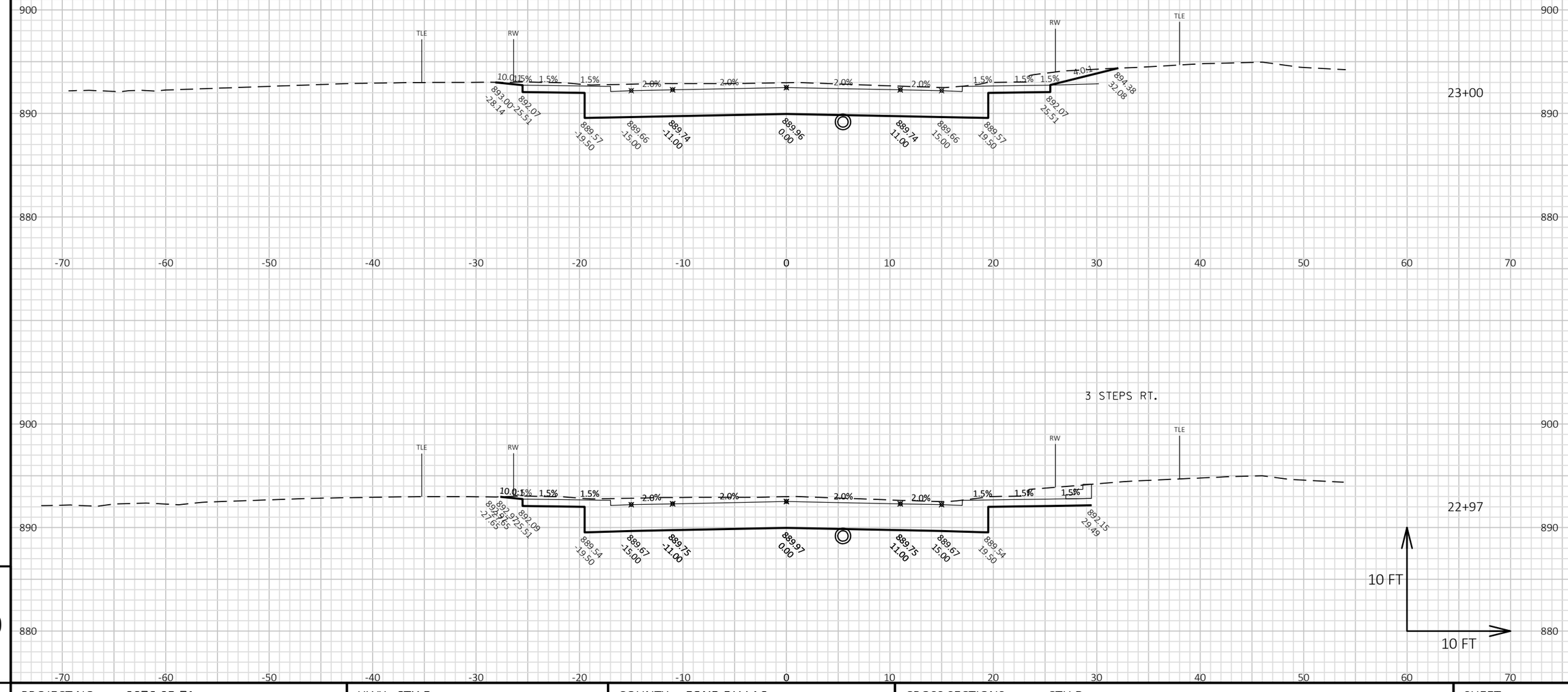
STA 21+91
CE LT.

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 166	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 7/15/2020 9:24 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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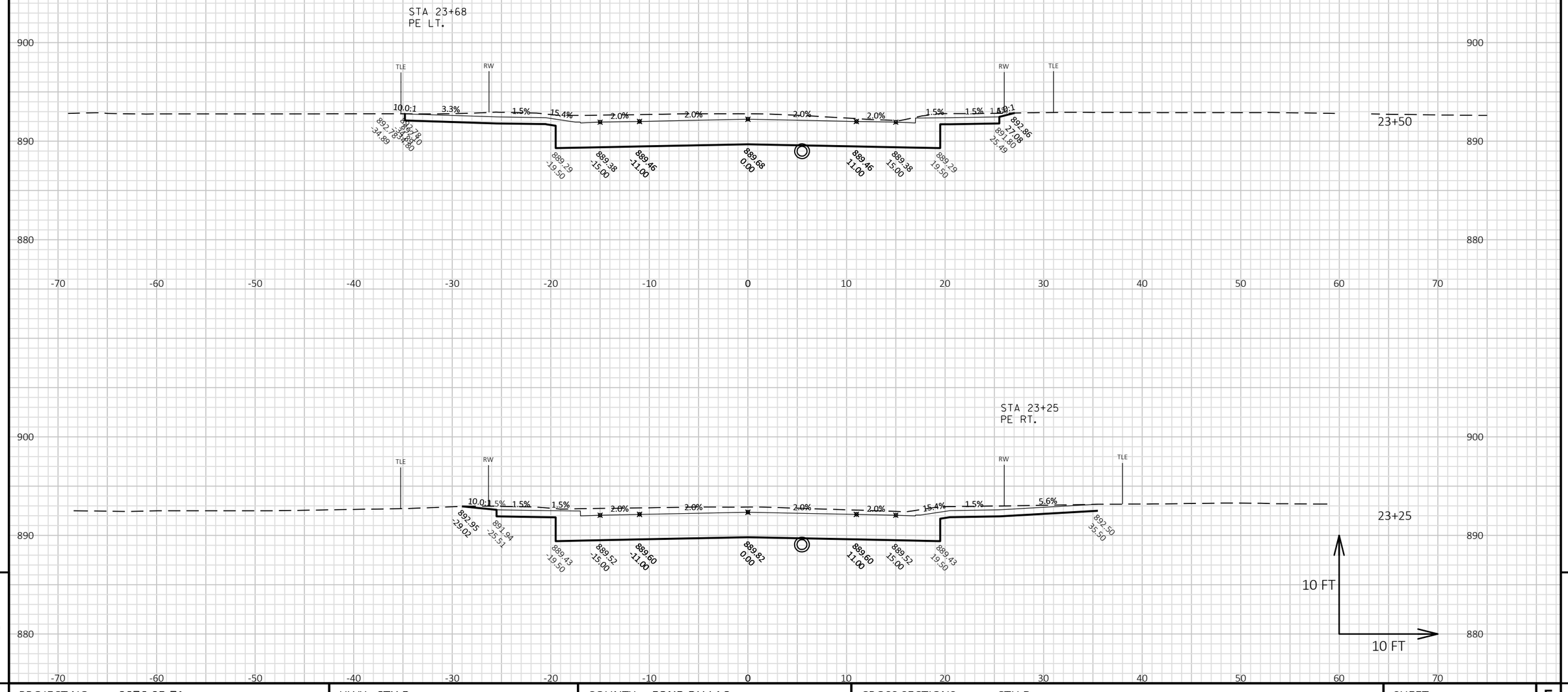
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 167	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090207-xs

PLOT DATE : 7/15/2020 9:24 AM PLOT BY : BOBBI MAXWELL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



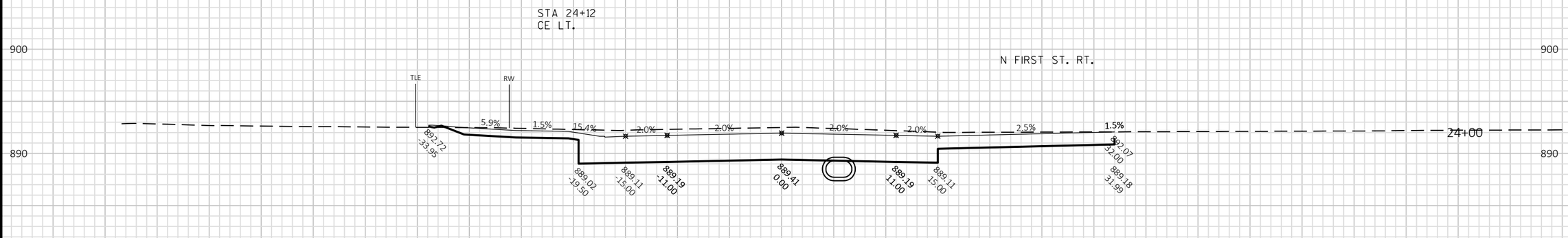
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 168	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090208-xs

PLOT DATE : 7/15/2020 9:24 AM PLOT BY : BOBBI MAXWELL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

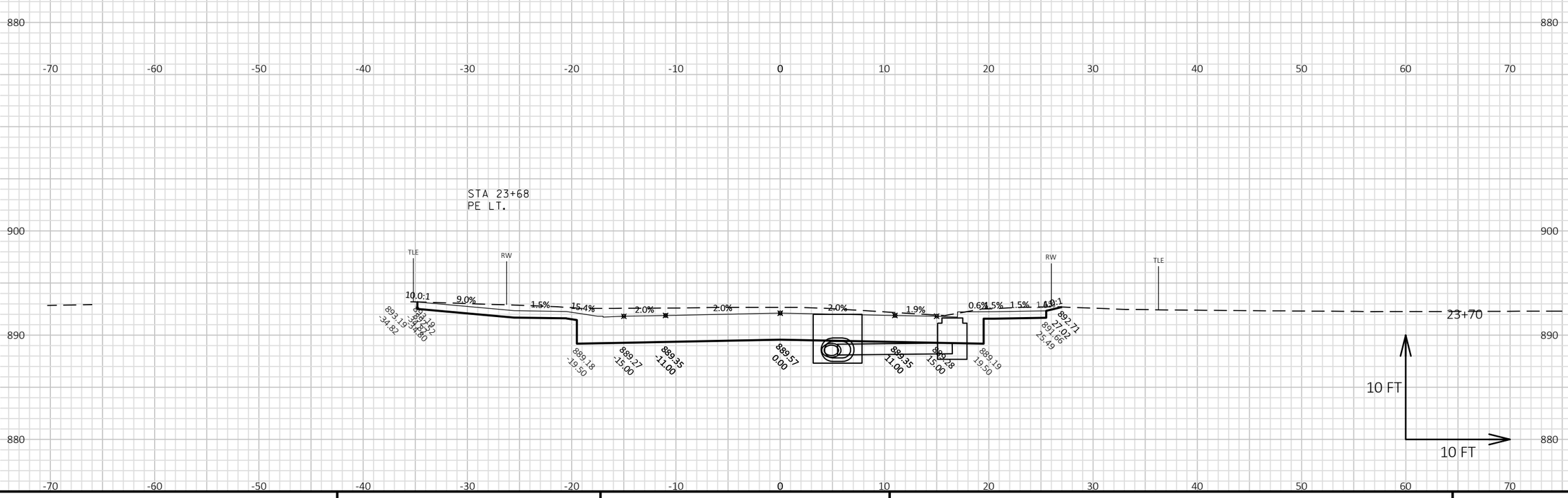
WISDOT/CADDS SHEET 49

STA 24+12
CE LT.



N FIRST ST. RT.

STA 23+68
PE LT.



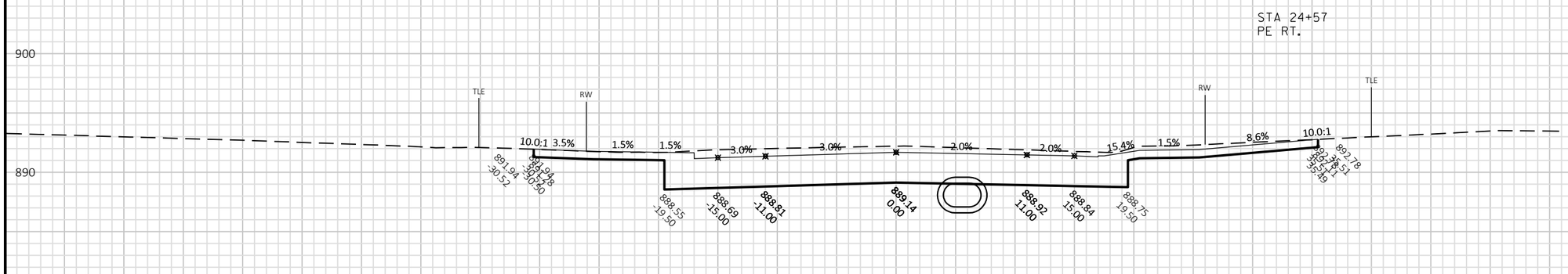
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 169	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090209-xs

PLOT DATE : 7/15/2020 9:24 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

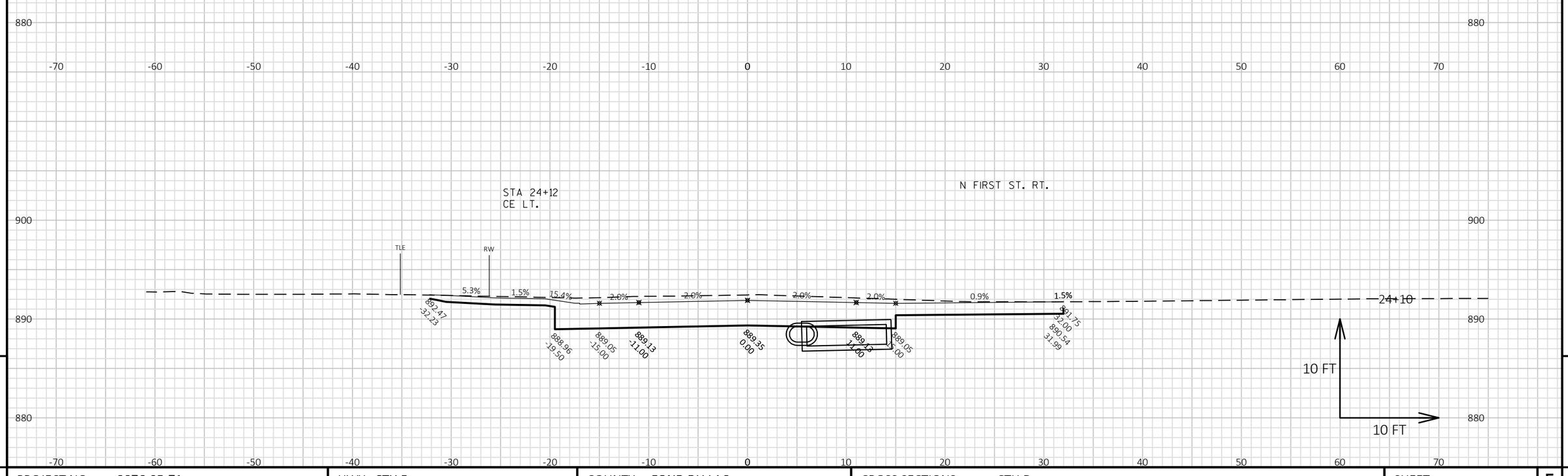
WISDOT/CADDS SHEET 49

STA 24+57
PE RT.



STA 24+12
CE LT.

N FIRST ST. RT.



9

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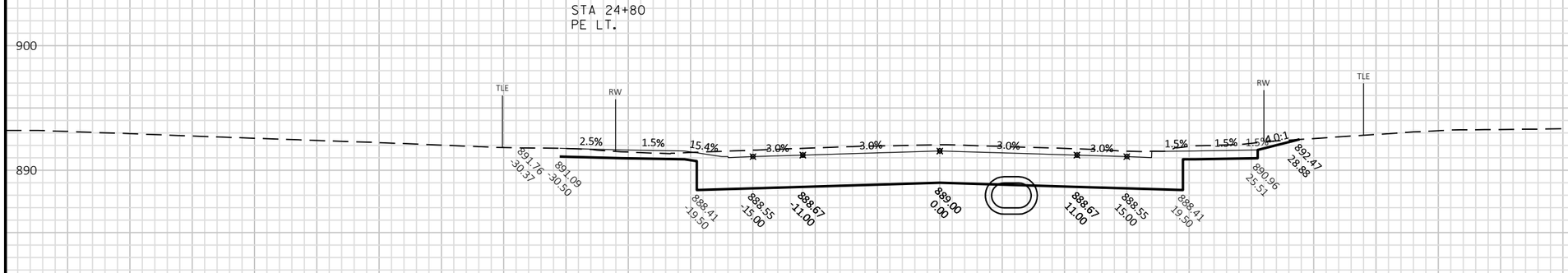
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 170	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090210-xs

PLOT DATE : 7/15/2020 9:24 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

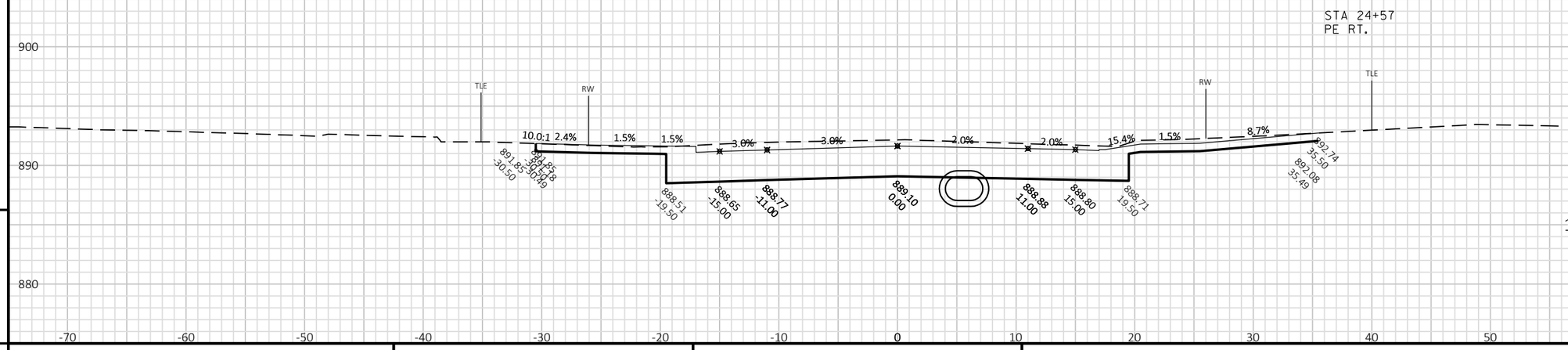
WISDOT/CADDS SHEET 49

STA 24+80
PE LT.



24+75

STA 24+57
PE RT.



24+57

10 FT

10 FT

9

9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 171	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090211-xs

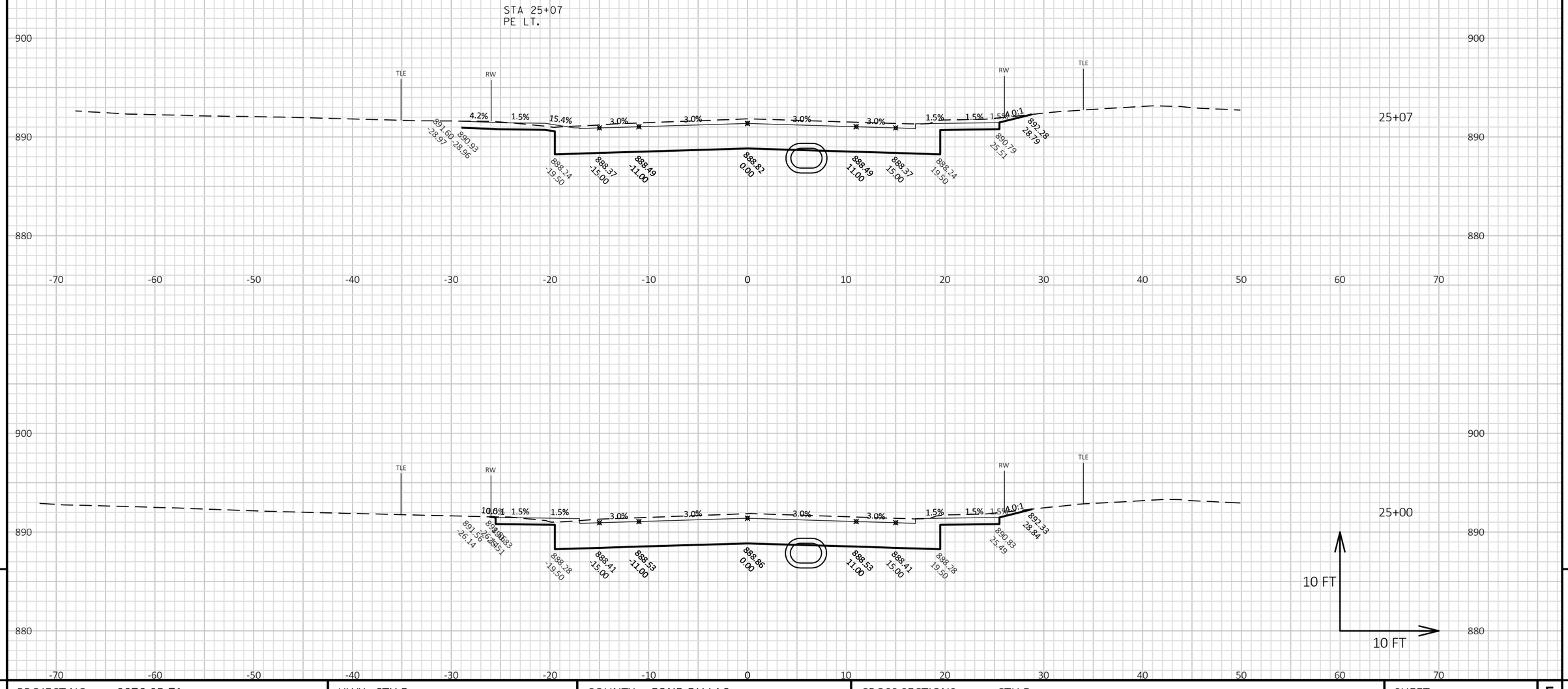
PLOT DATE : 7/15/2020 9:24 AM

PLOT BY : BOBBI MAXWELL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



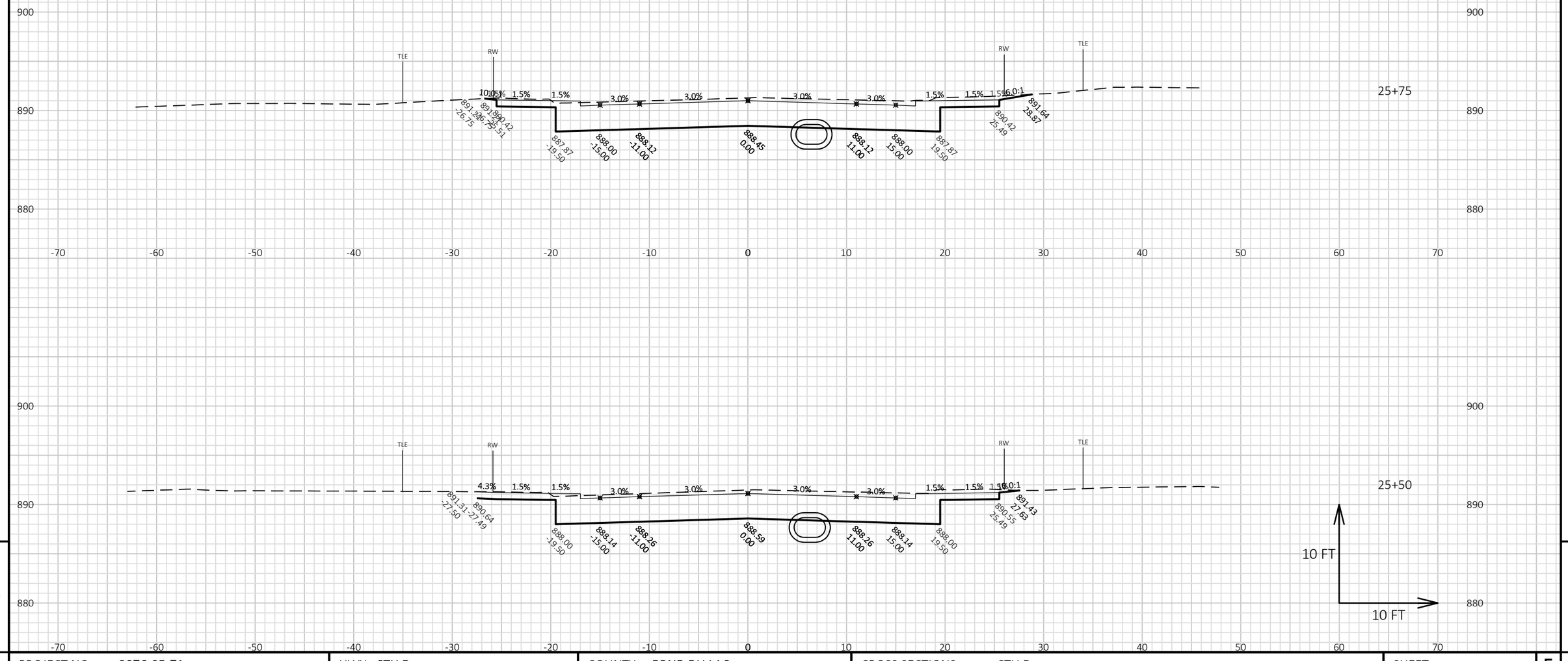
9

9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 172	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090212-xs

PLOT DATE : 7/15/2020 9:24 AM PLOT BY : BOBBI MAXWELL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



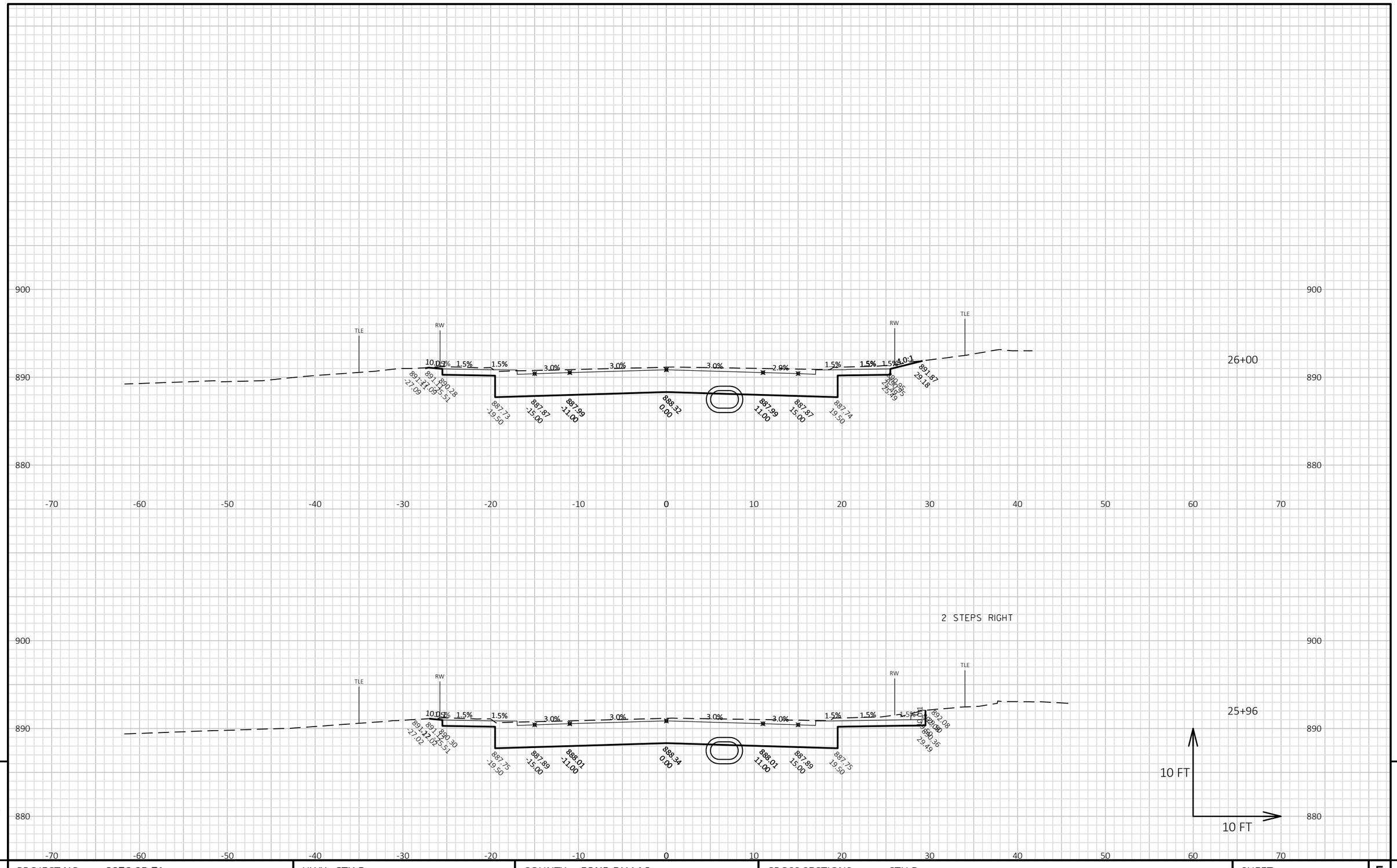
9

9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 173	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090213-xs

PLOT DATE : 7/15/2020 9:24 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

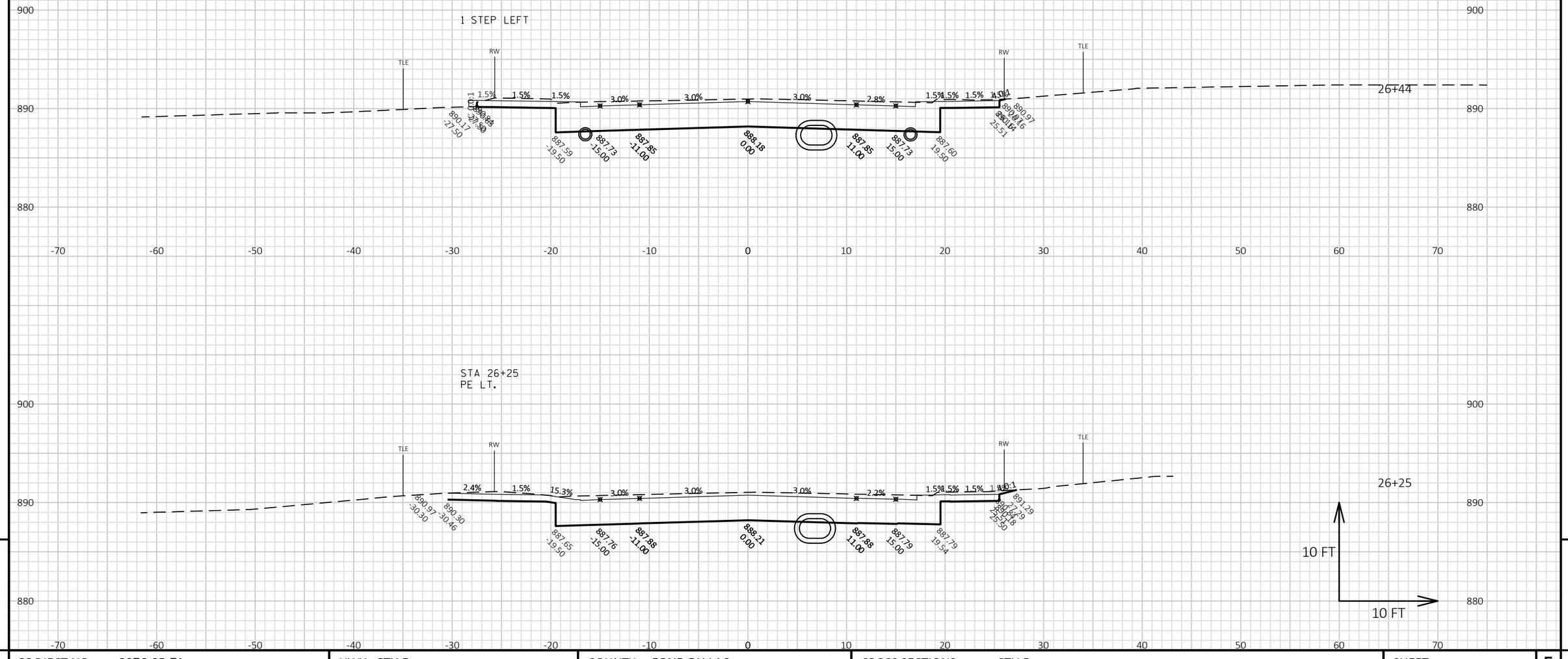


PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 174	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090214-xs

PLOT DATE : 7/15/2020 9:24 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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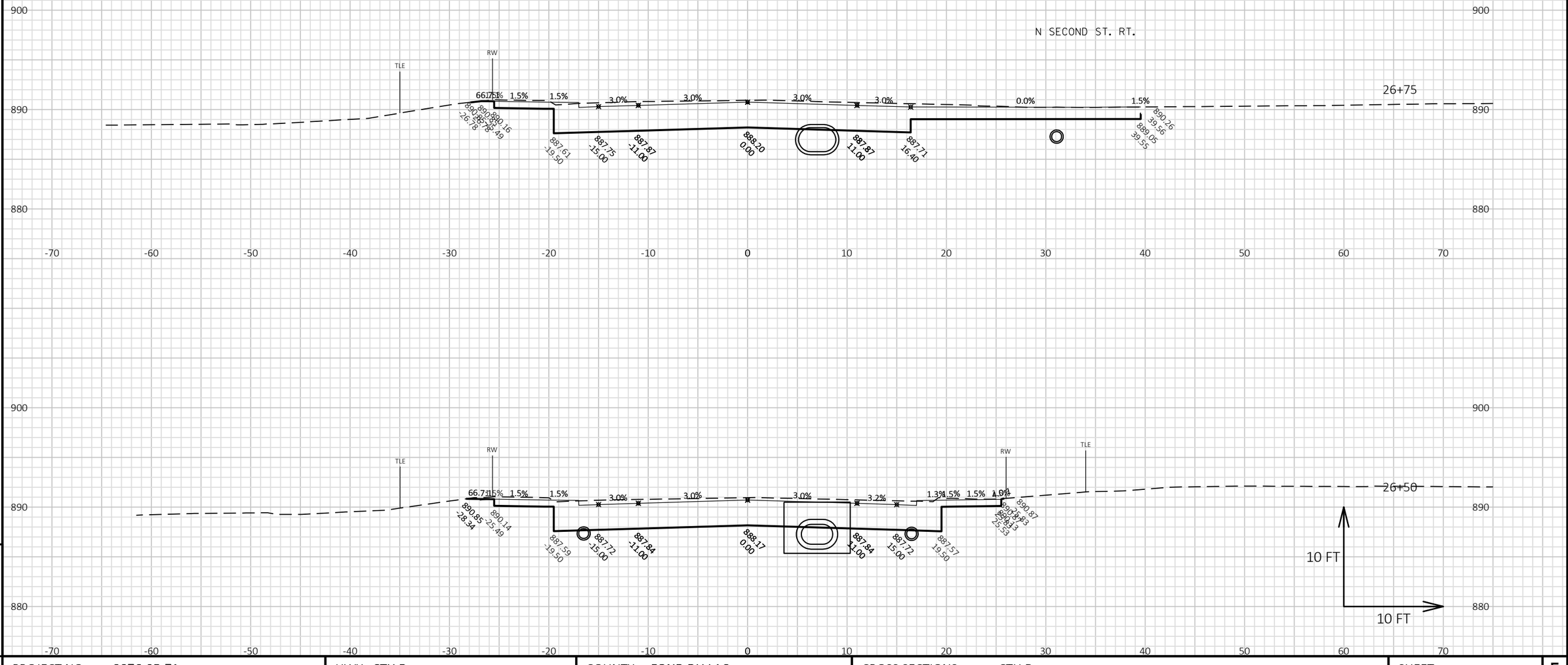
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 175	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090215-xs

PLOT DATE : 7/15/2020 9:25 AM PLOT BY : BOBBI MAXWELL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

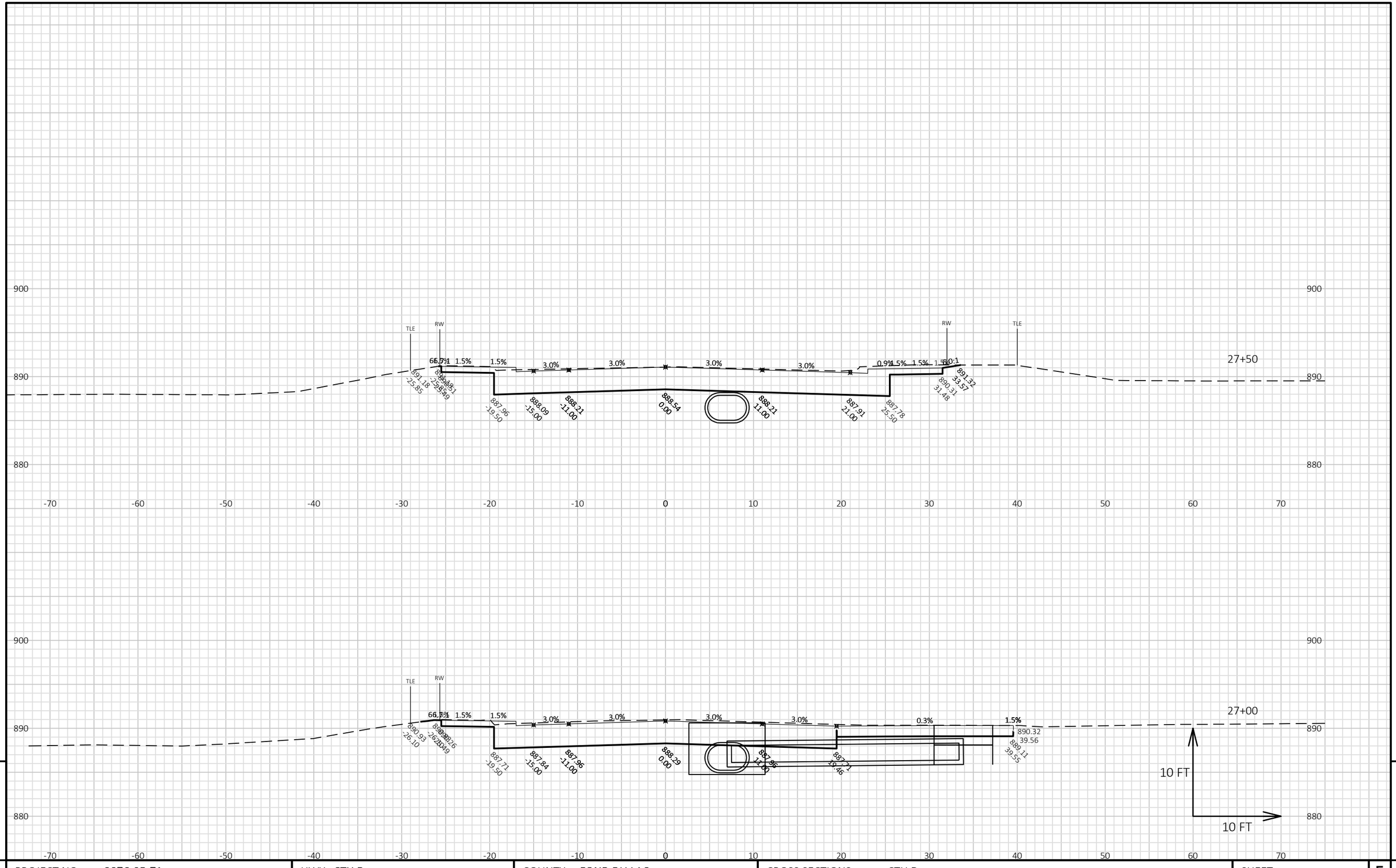


PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 176	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090216-xs

PLOT DATE : 7/15/2020 9:25 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

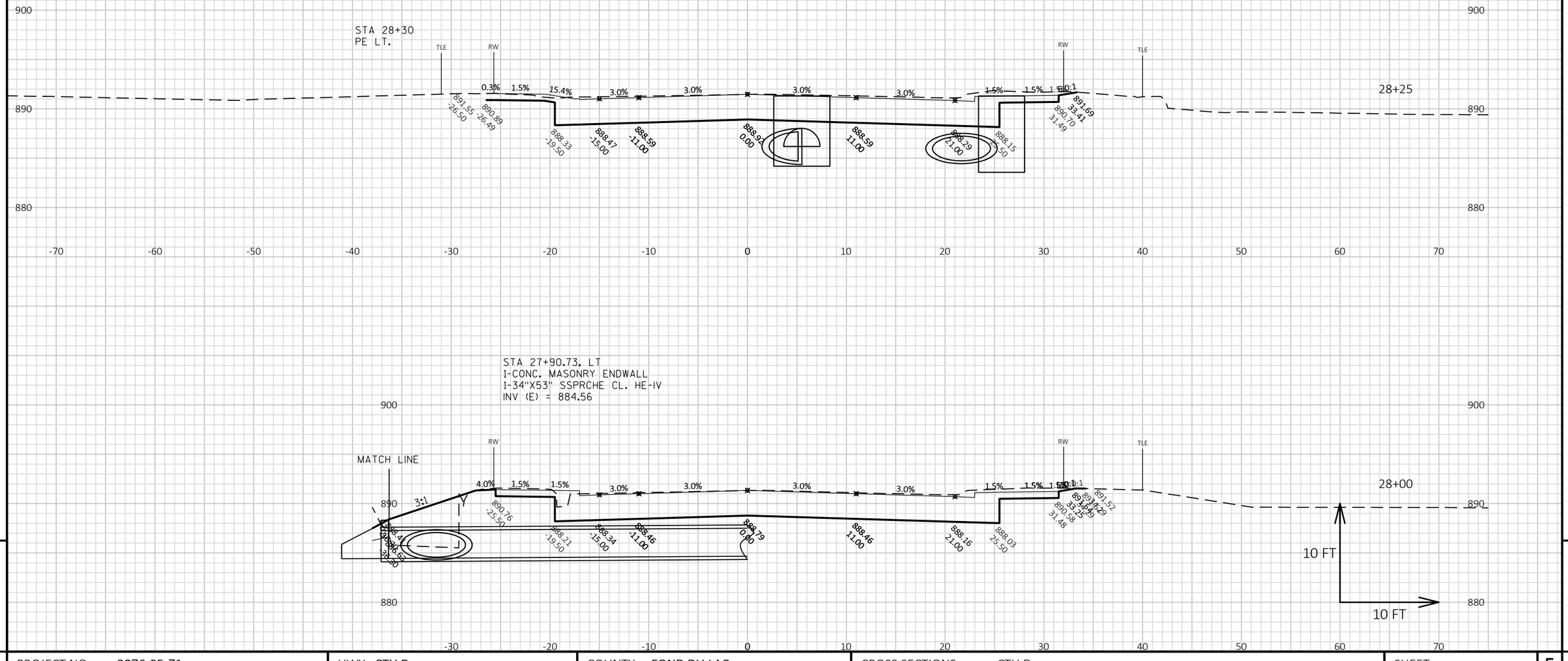


PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 177	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090217-xs

PLOT DATE : 7/15/2020 9:25 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

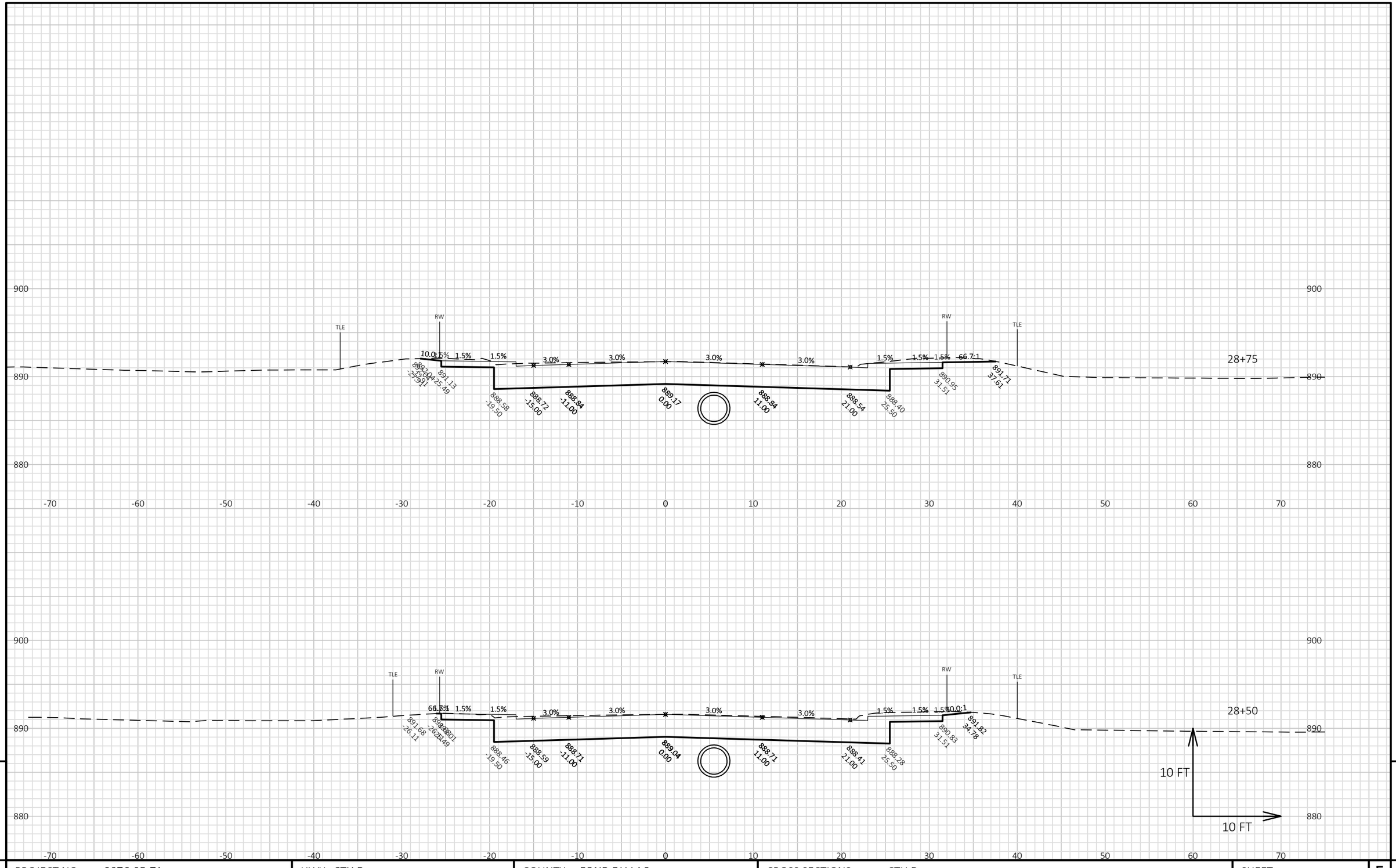
9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 178	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090218-xs

PLOT DATE : 7/15/2020 9:25 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

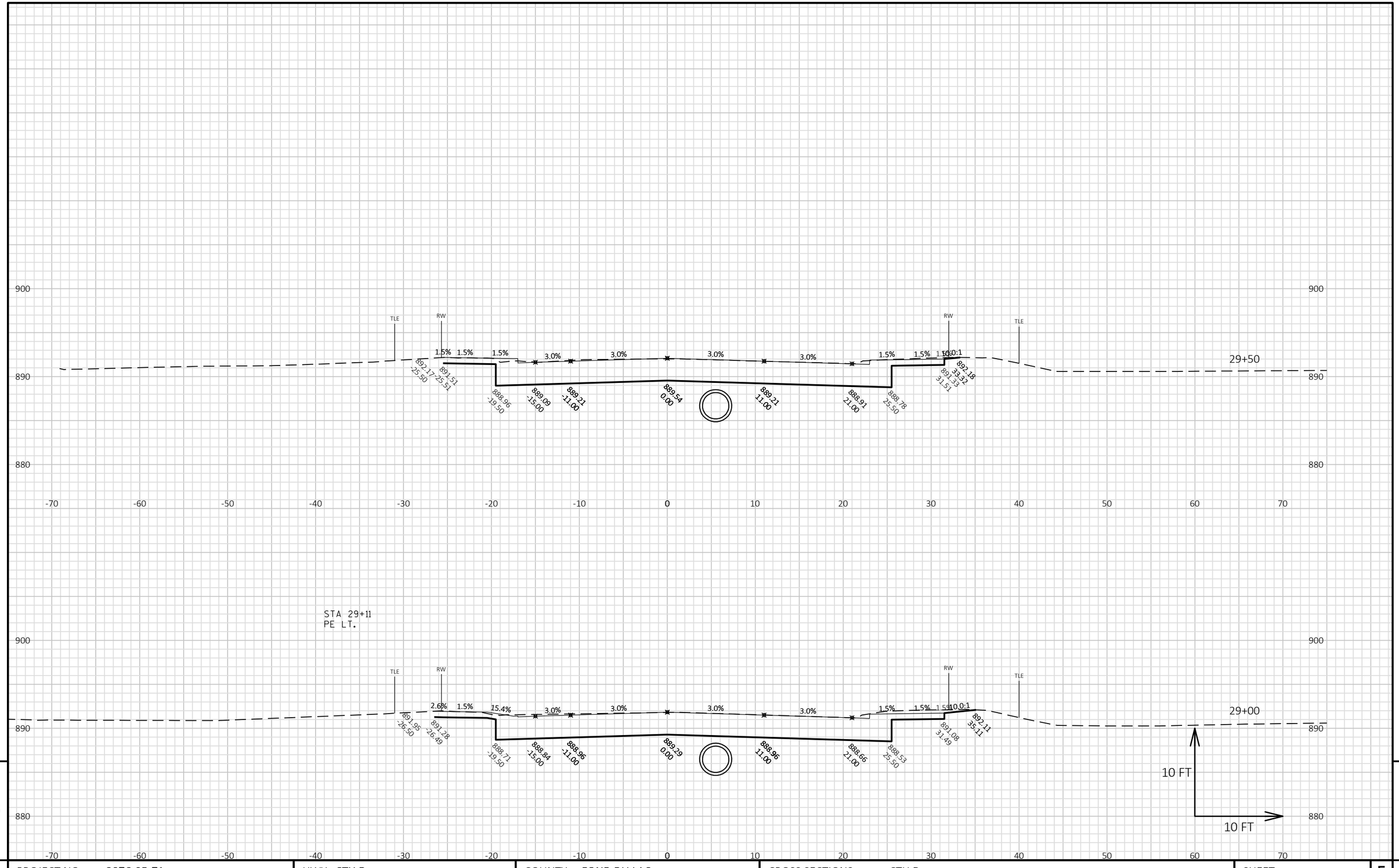
9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 179	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090219-xs

PLOT DATE : 7/15/2020 9:25 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

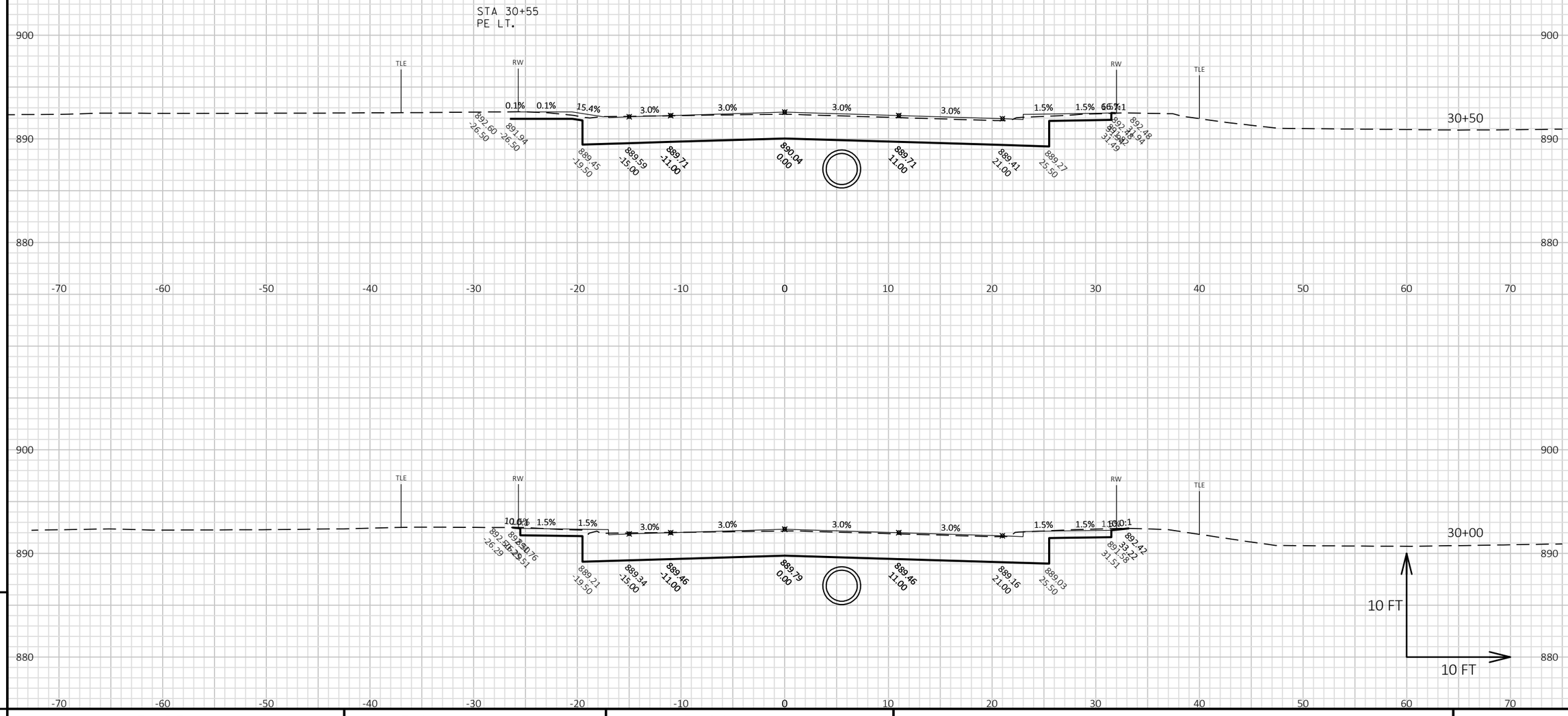
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 180	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090220-xs

PLOT DATE : 7/15/2020 9:25 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA 30+55
PE LT.



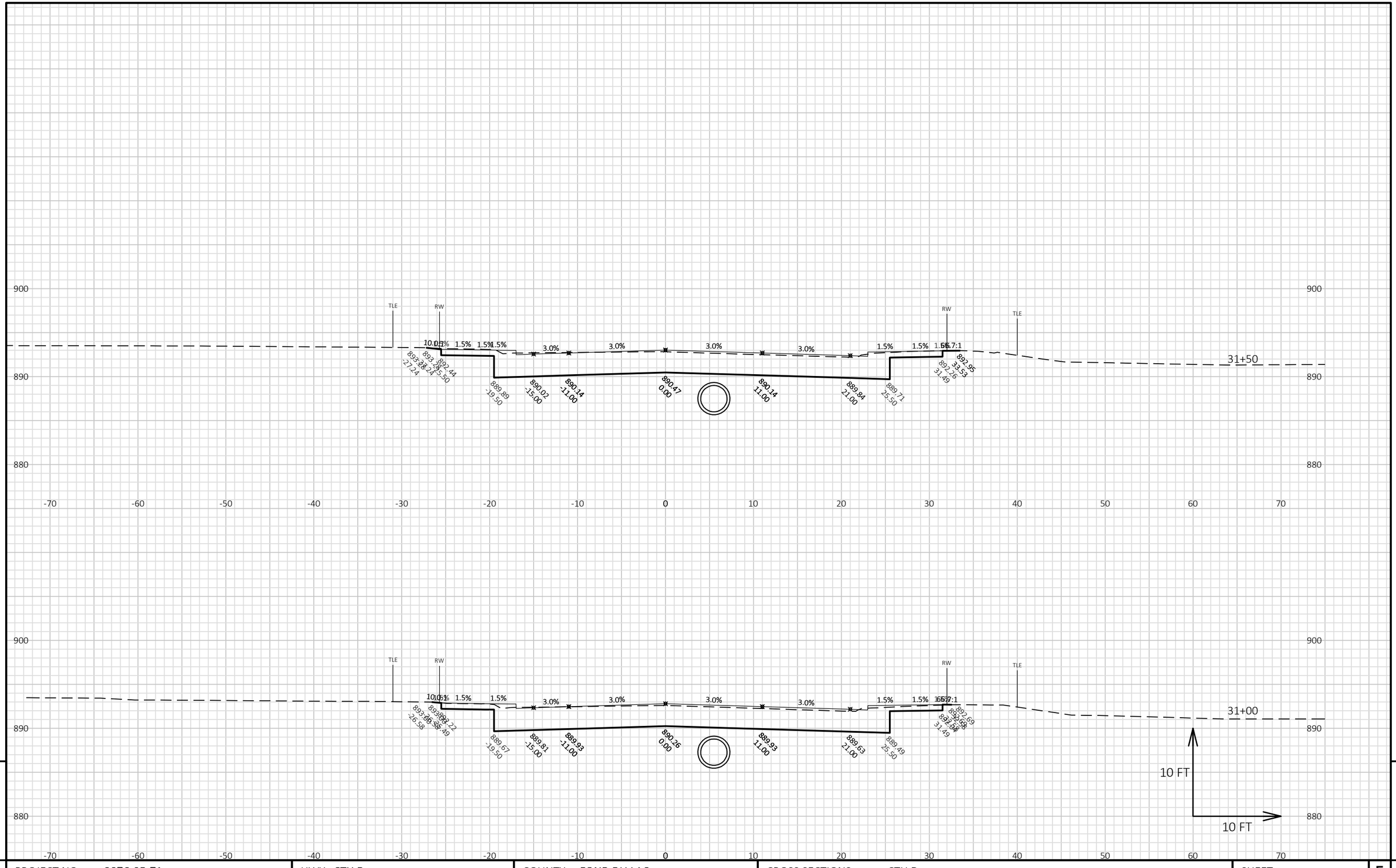
9

9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 181	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090221-xs

PLOT DATE : 7/15/2020 9:25 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 182 E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090222-xs

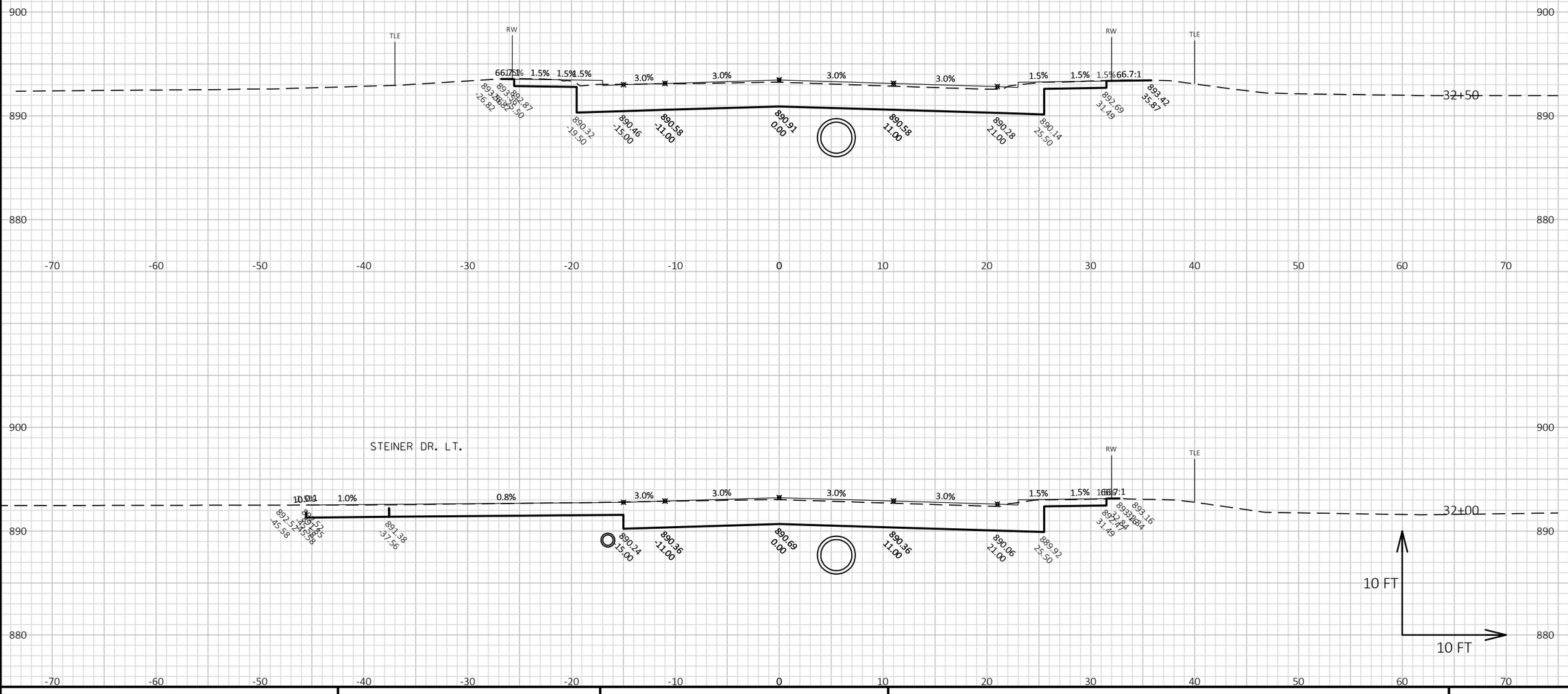
PLOT DATE : 7/15/2020 9:25 AM

PLOT BY : BOBBI MAXWELL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

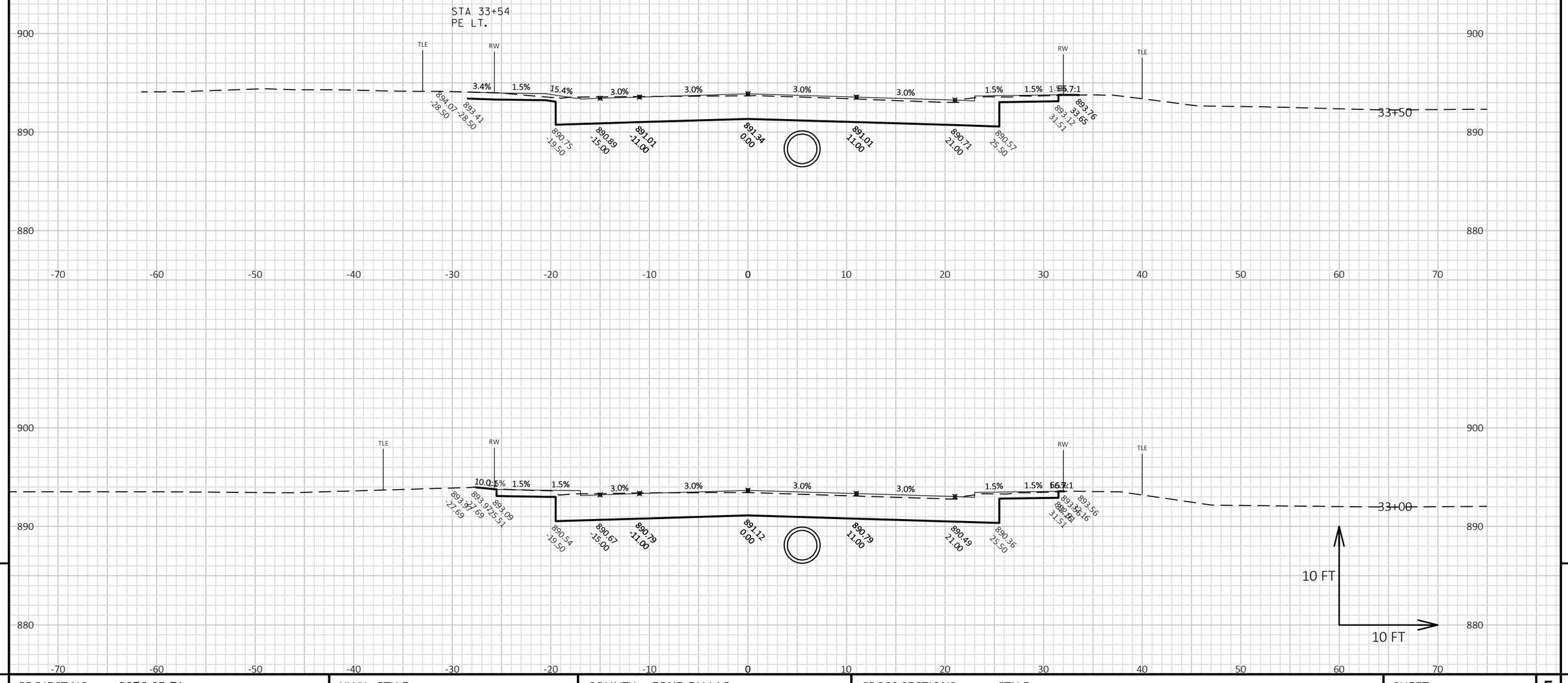


PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 183	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090223-xs

PLOT DATE : 7/15/2020 9:25 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 184	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090224-xs

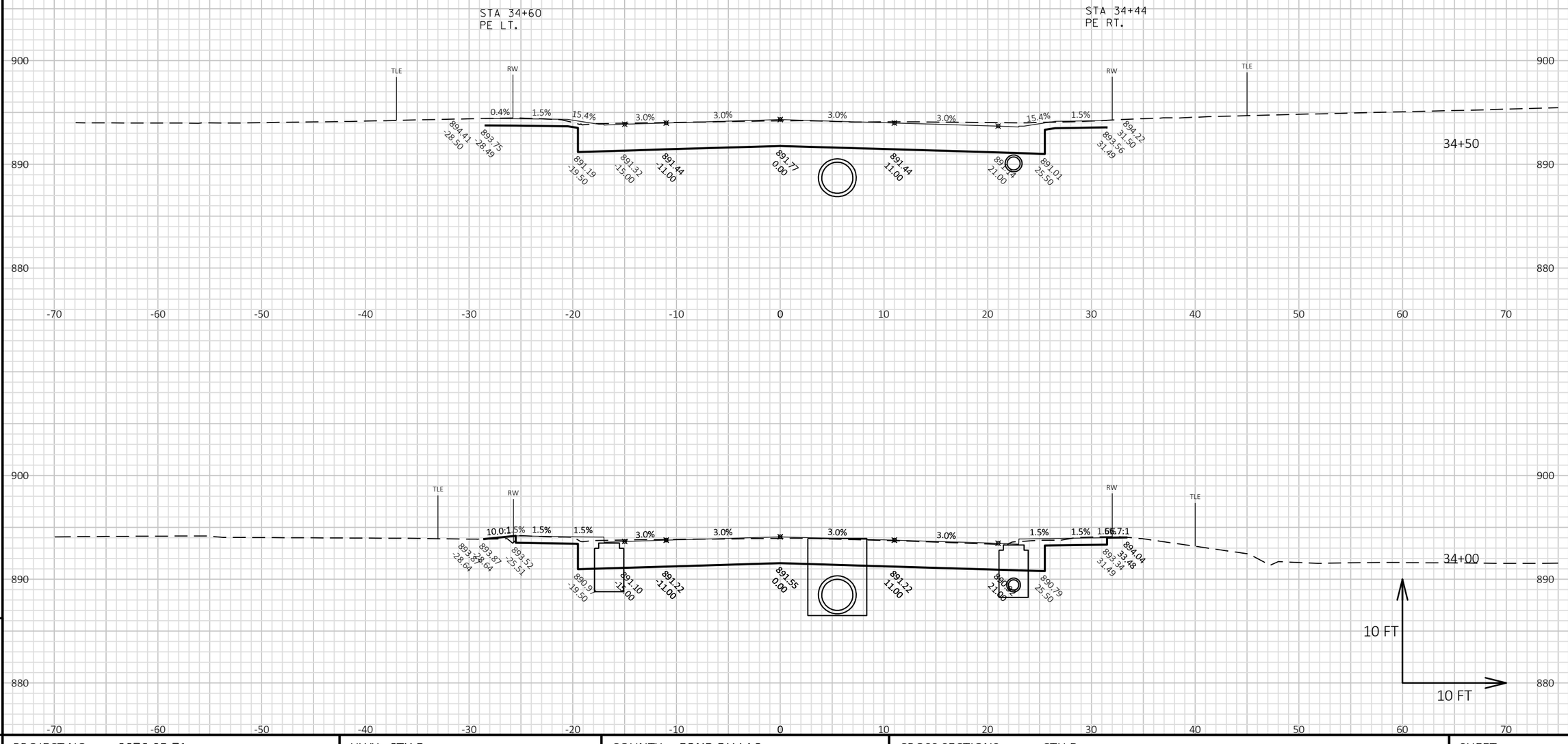
PLOT DATE : 7/15/2020 9:26 AM

PLOT BY : BOBBI MAXWELL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

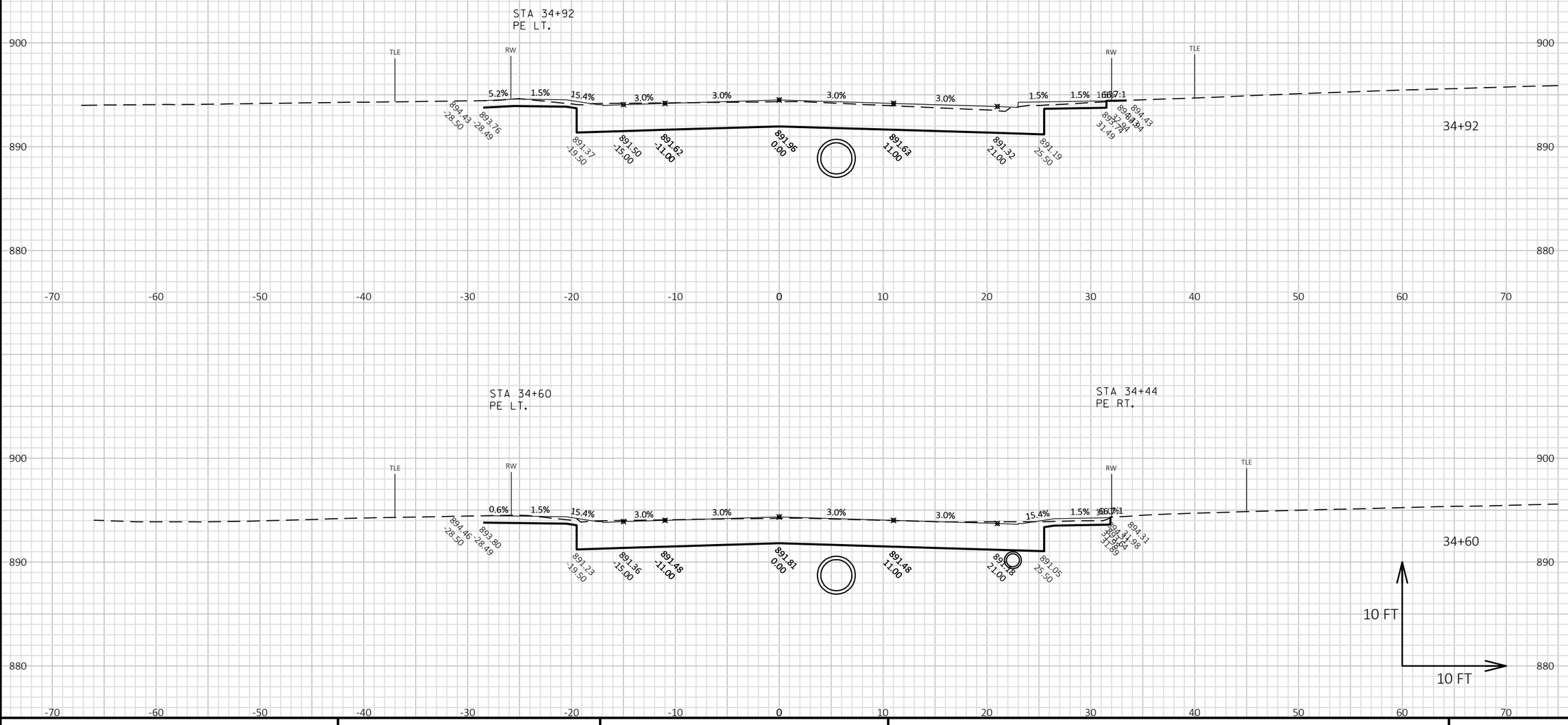


PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 185	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090225-xs

PLOT DATE : 7/15/2020 9:26 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 186	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090226-xs

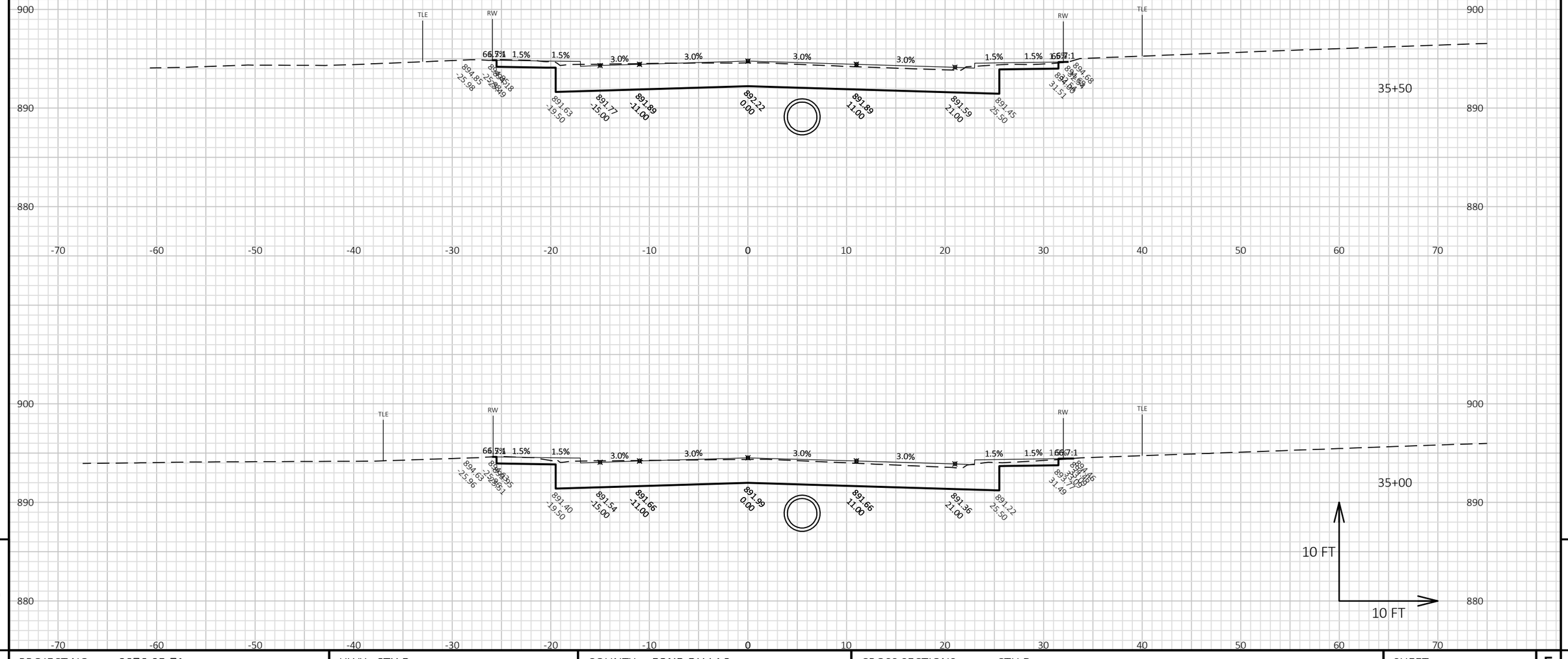
PLOT DATE : 7/15/2020 9:26 AM

PLOT BY : BOBBI MAXWELL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 187	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090227-xs

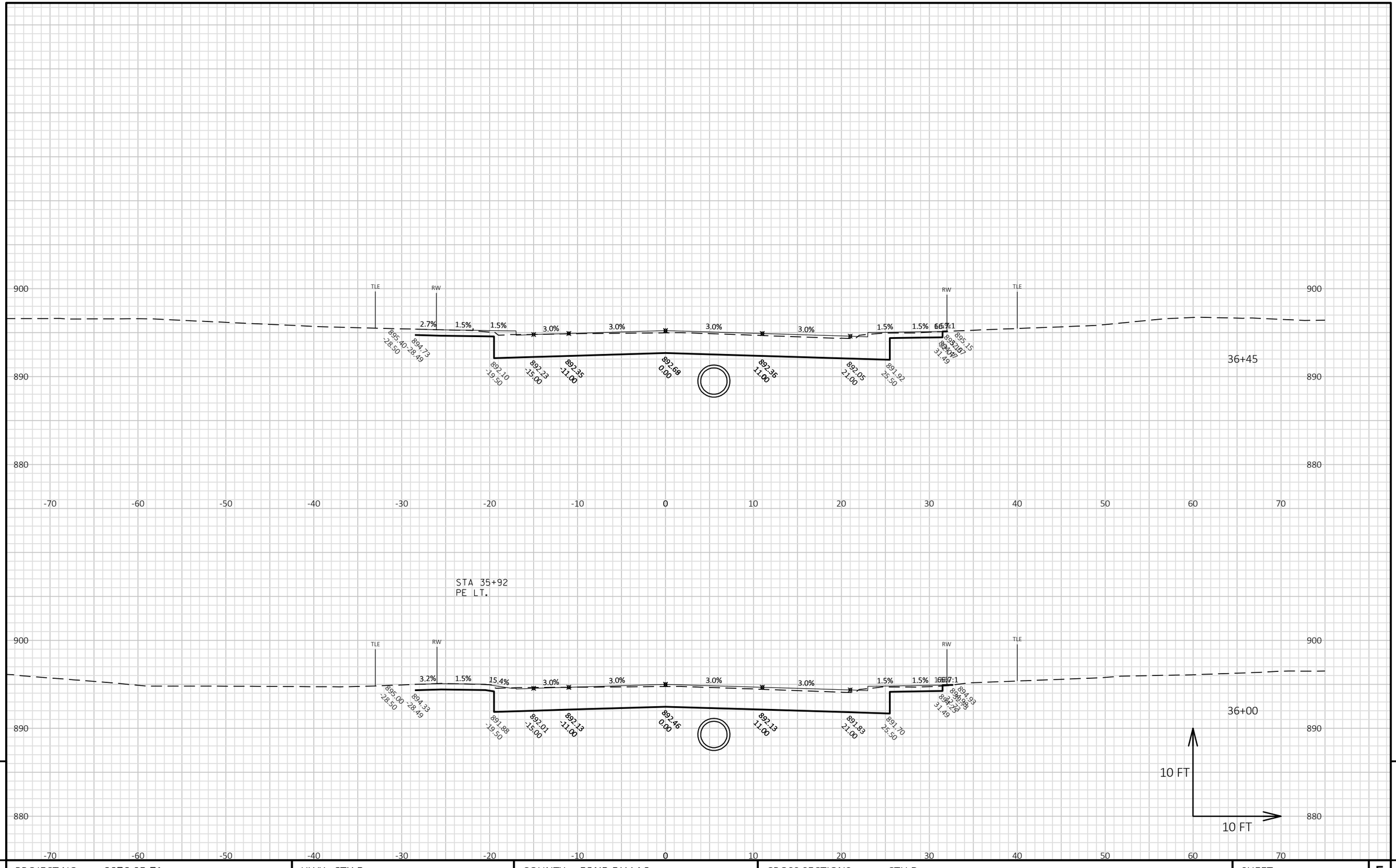
PLOT DATE : 7/15/2020 9:26 AM

PLOT BY : BOBBI MAXWELL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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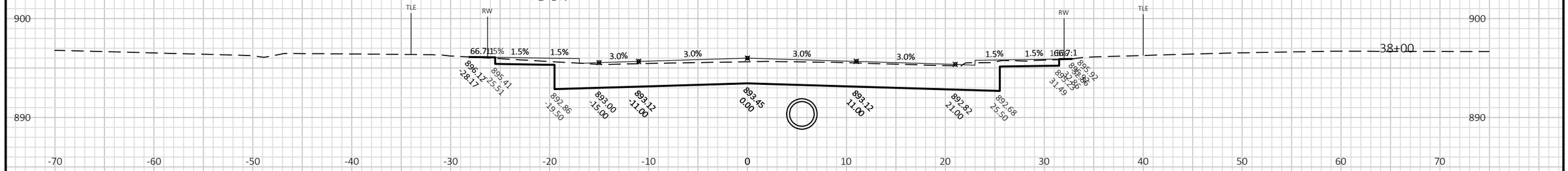
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 188	E

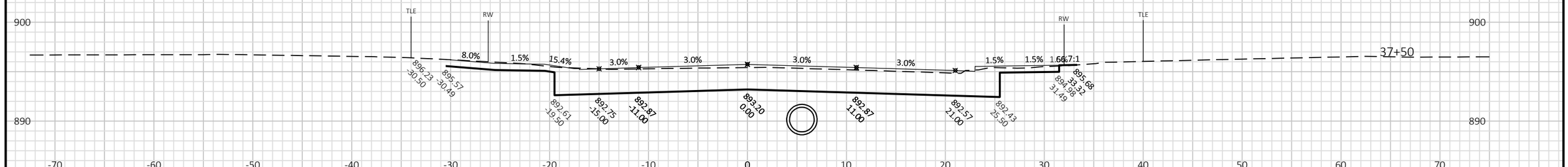
FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090228-xs

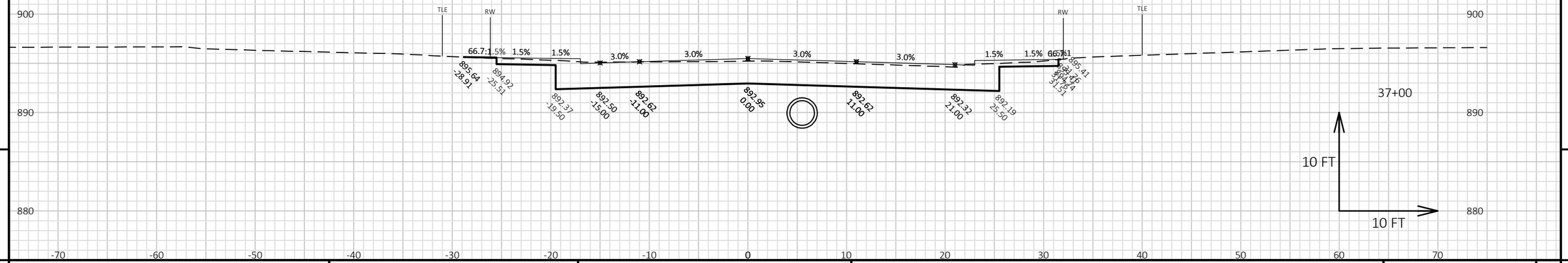
PLOT DATE : 7/15/2020 9:26 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

STA 37+49
PE LT.







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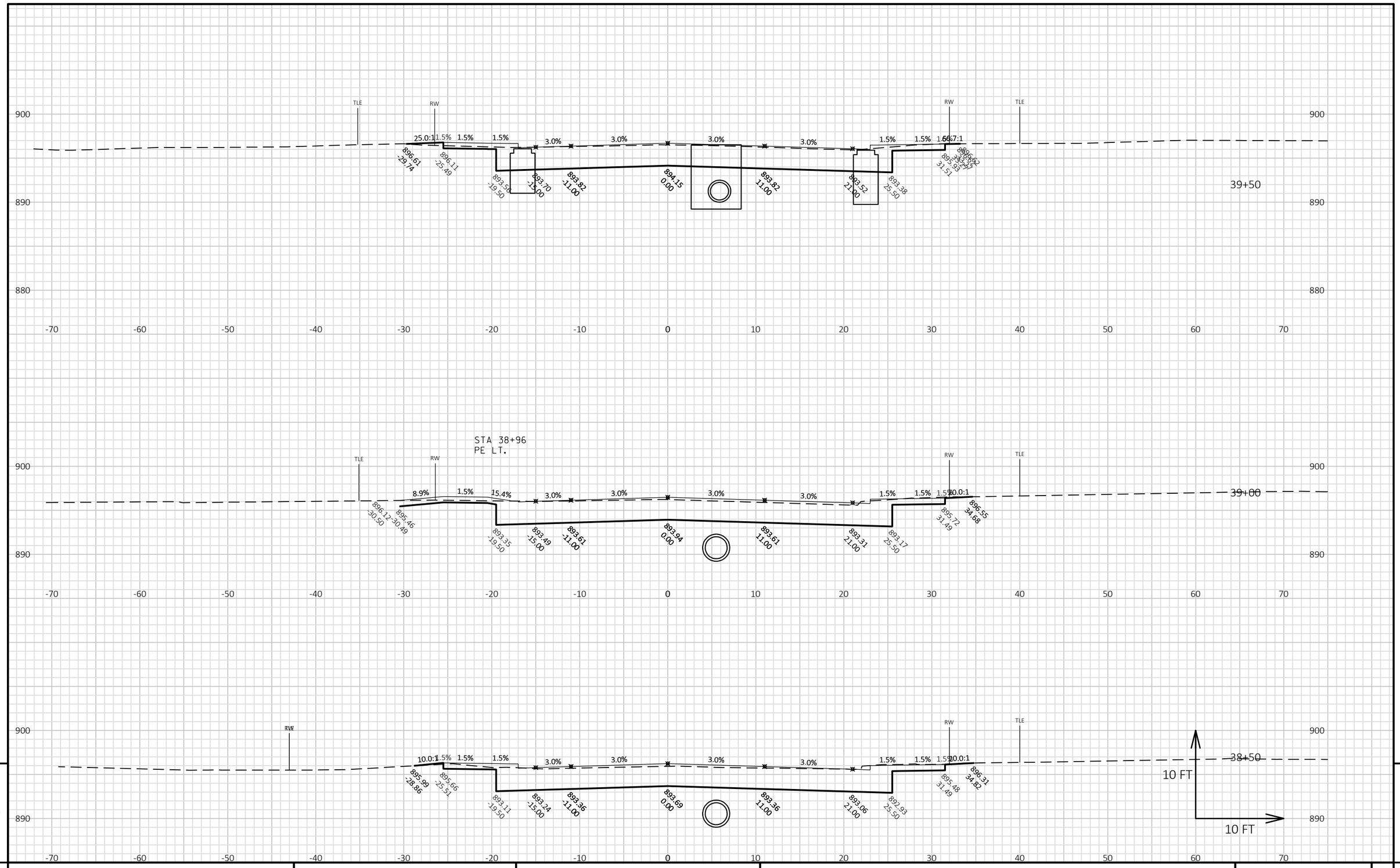
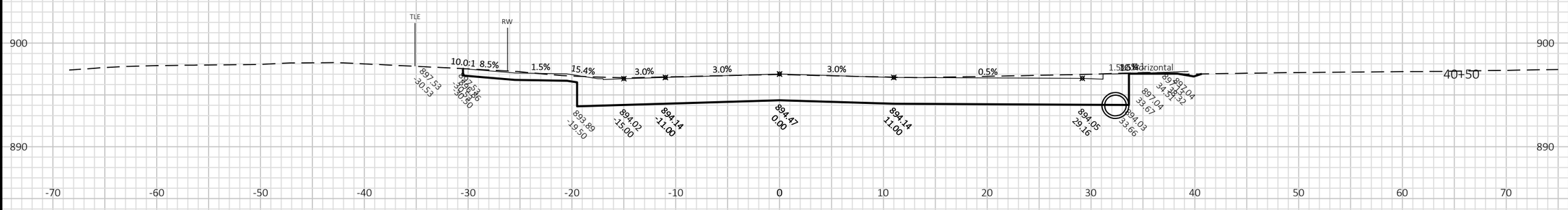
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 189	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090229-xs

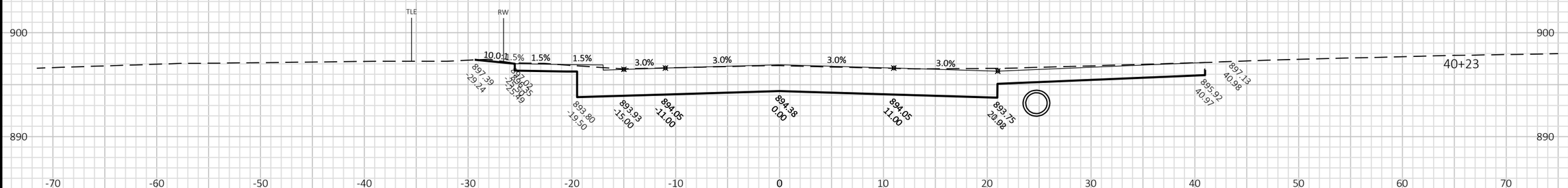
PLOT DATE : 7/15/2020 9:26 AM PLOT BY : BOBBI MAXWELL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

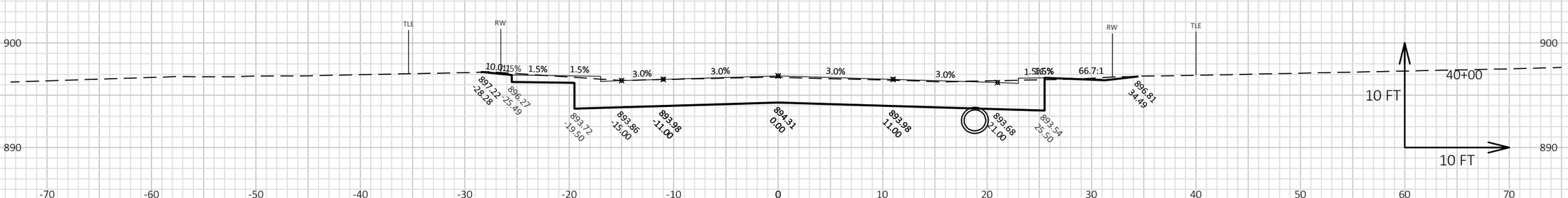

39+50
TLE
RW
25.0:1
1.5%
1.5%
1.5%
3.0%
3.0%
3.0%
3.0%
3.0%
1.5%
1.5%
1.5

STA 40+51
PE LT.



N. SCHOOL ST. RT.





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9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 191	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090231-xs

PLOT DATE : 7/15/2020 9:26 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9

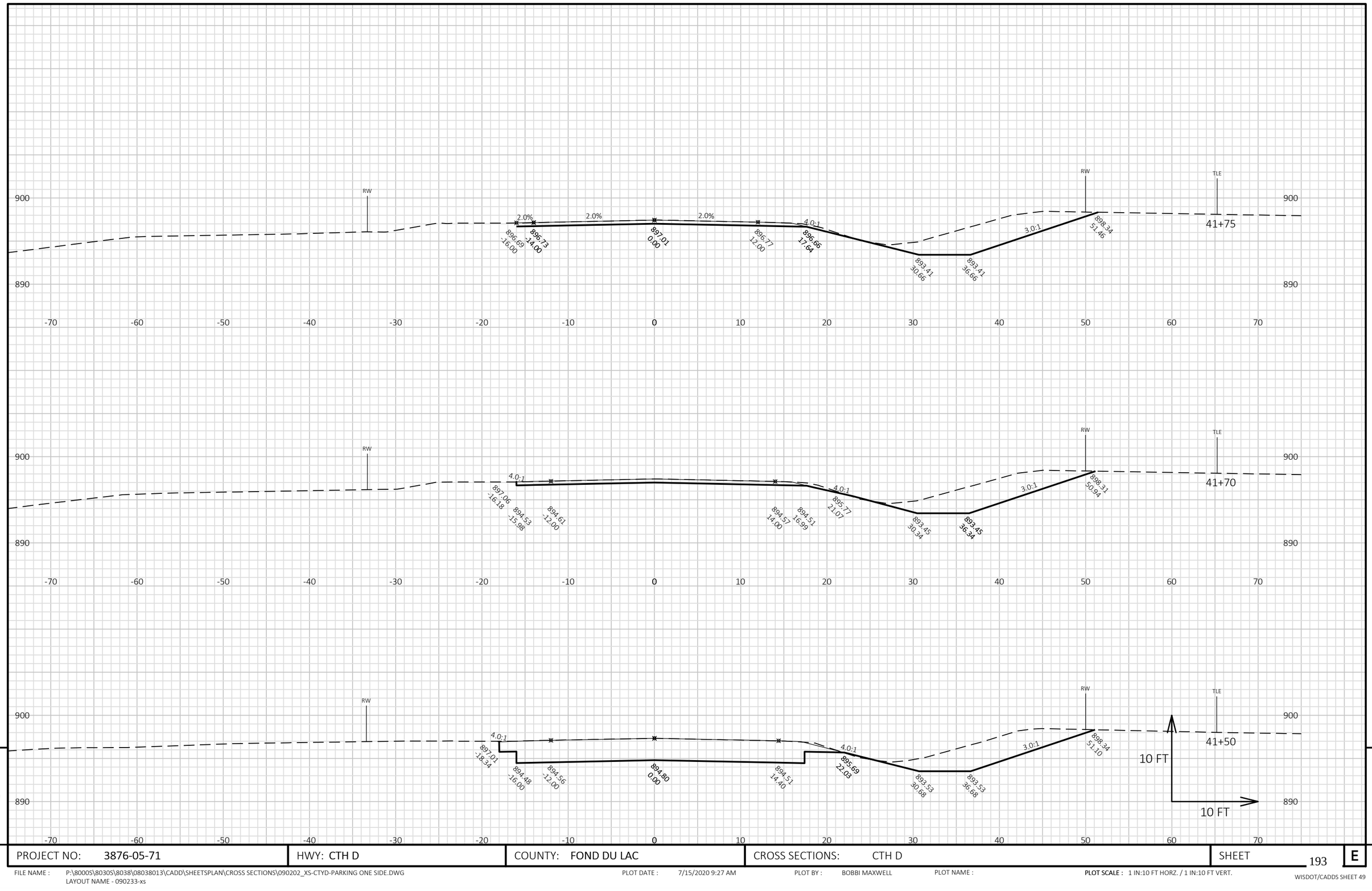
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 192	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090232-xs

PLOT DATE : 7/15/2020 9:27 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9



9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 193	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090233-xs

PLOT DATE : 7/15/2020 9:27 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

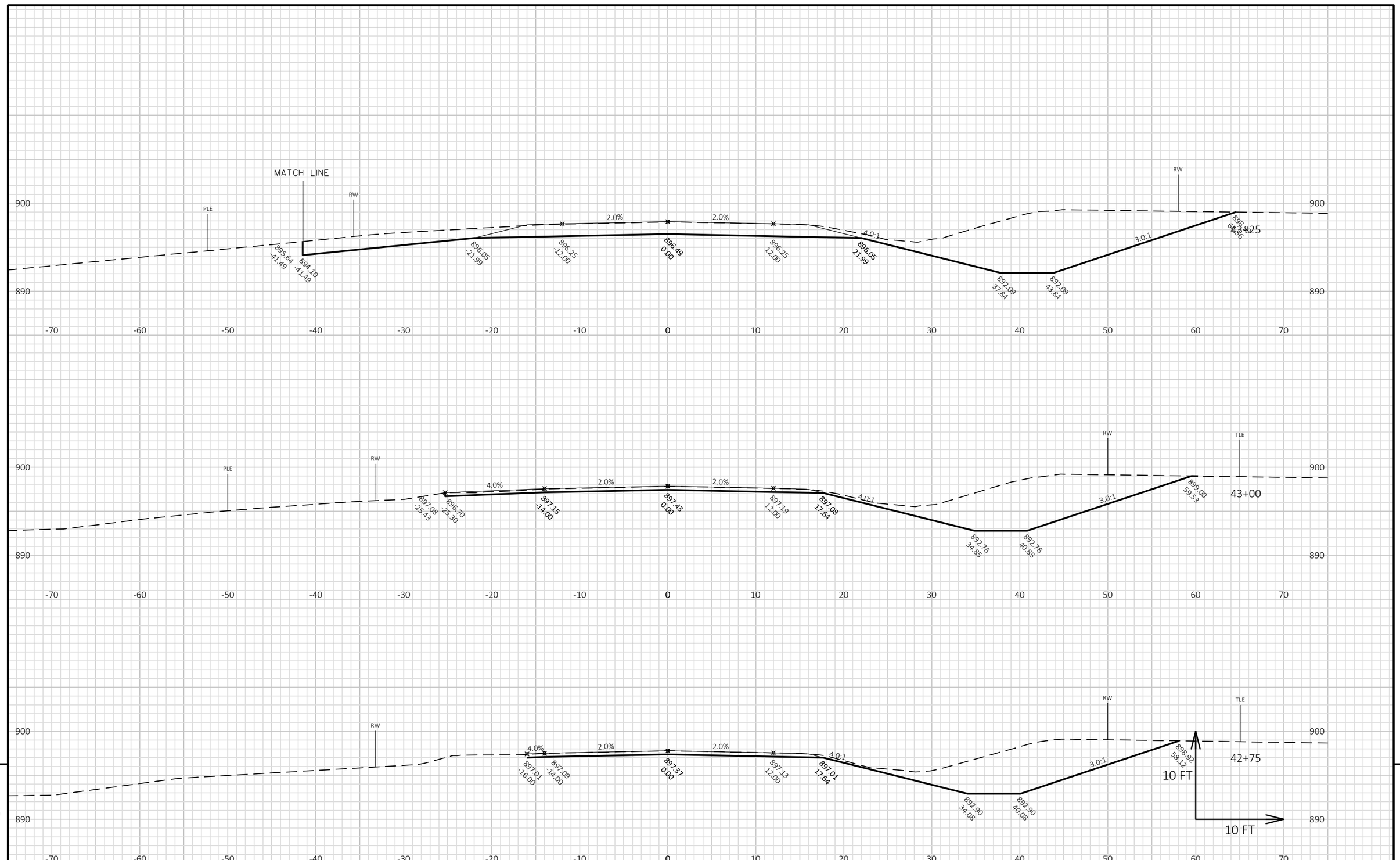
9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 194	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090234-xs

PLOT DATE : 7/15/2020 9:27 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

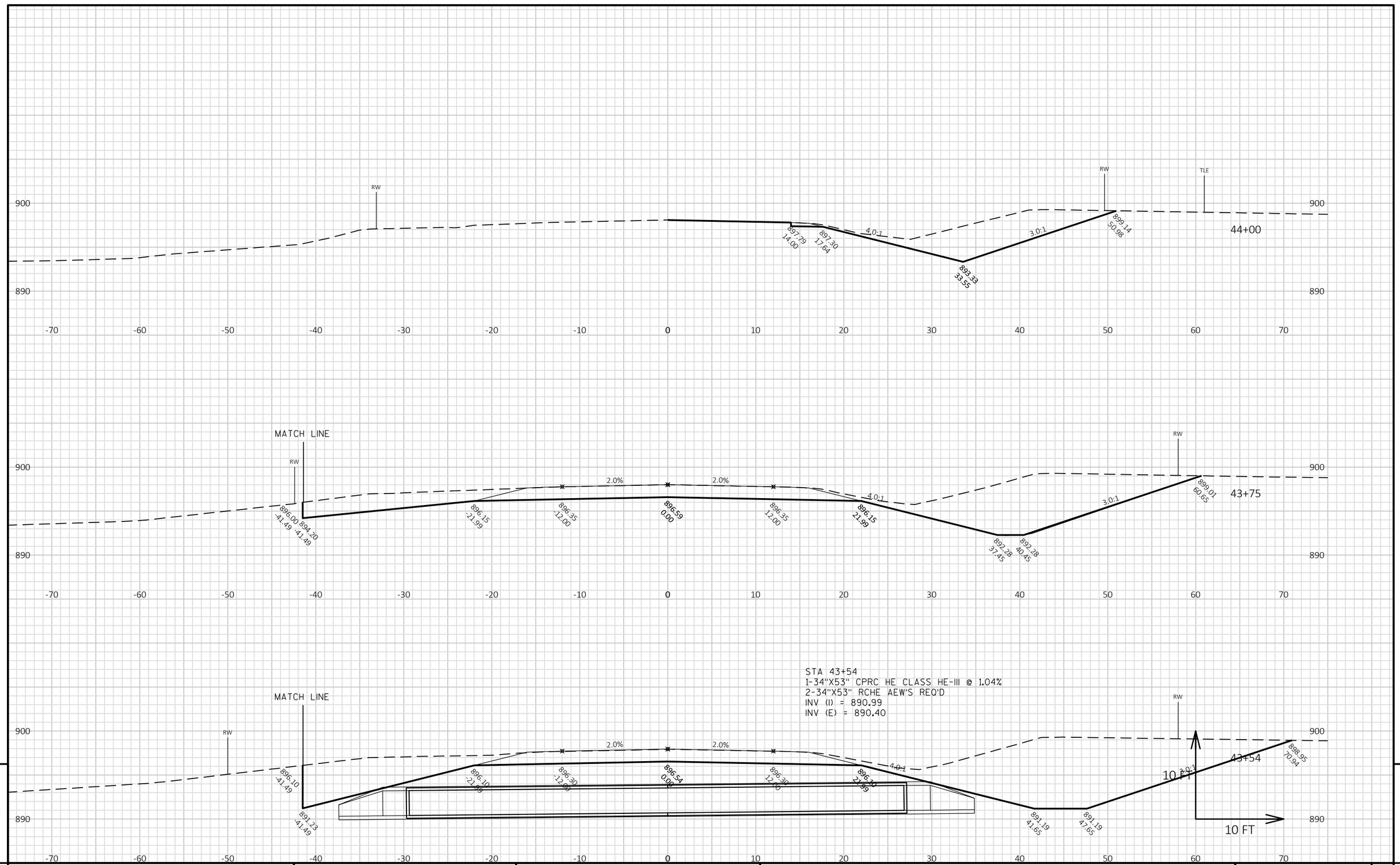


PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 195	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090235-xs

PLOT DATE : 7/15/2020 9:27 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

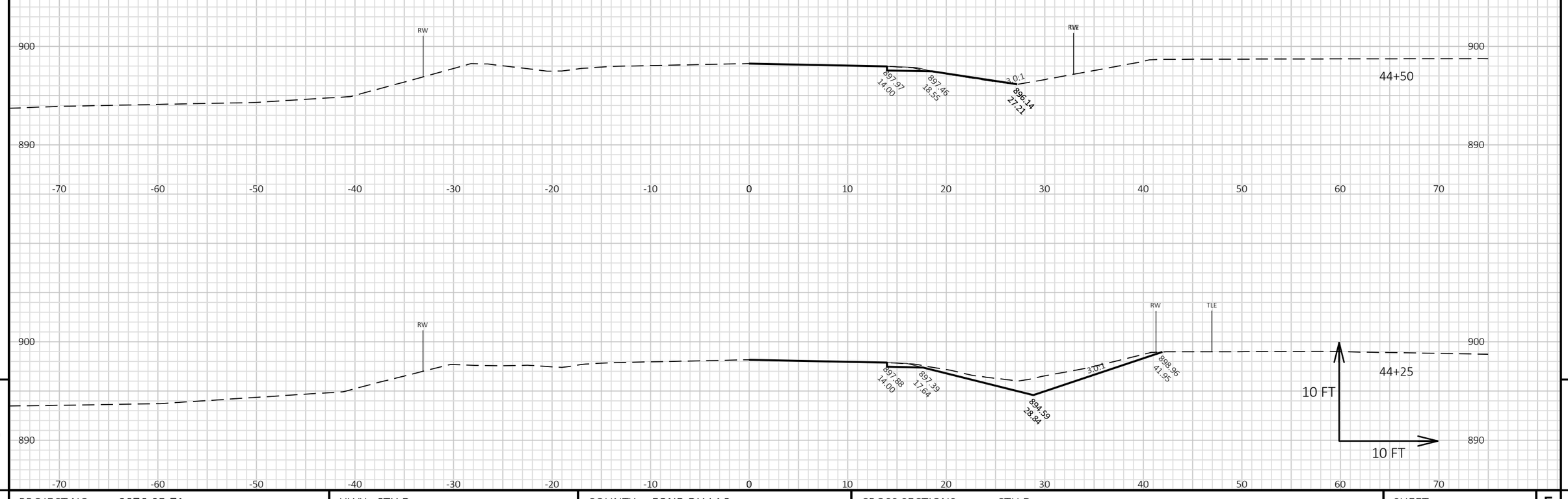
9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 196	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090236-xs

PLOT DATE : 7/15/2020 9:27 AM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



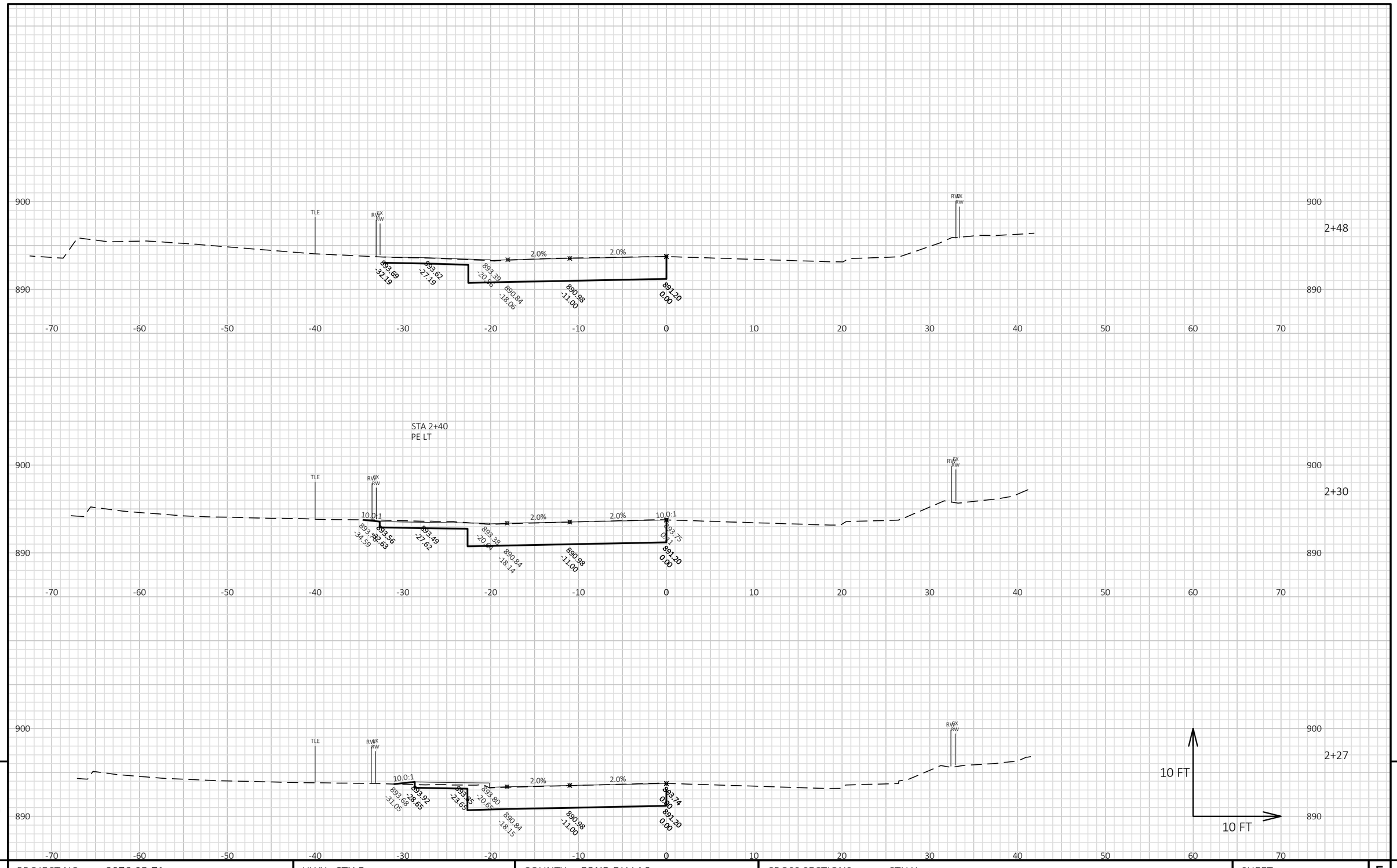
9

9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH D	SHEET 197	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - 090237-xs

PLOT DATE : 7/15/2020 9:27 AM PLOT BY : BOBBI MAXWELL PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH Y	SHEET 198	E

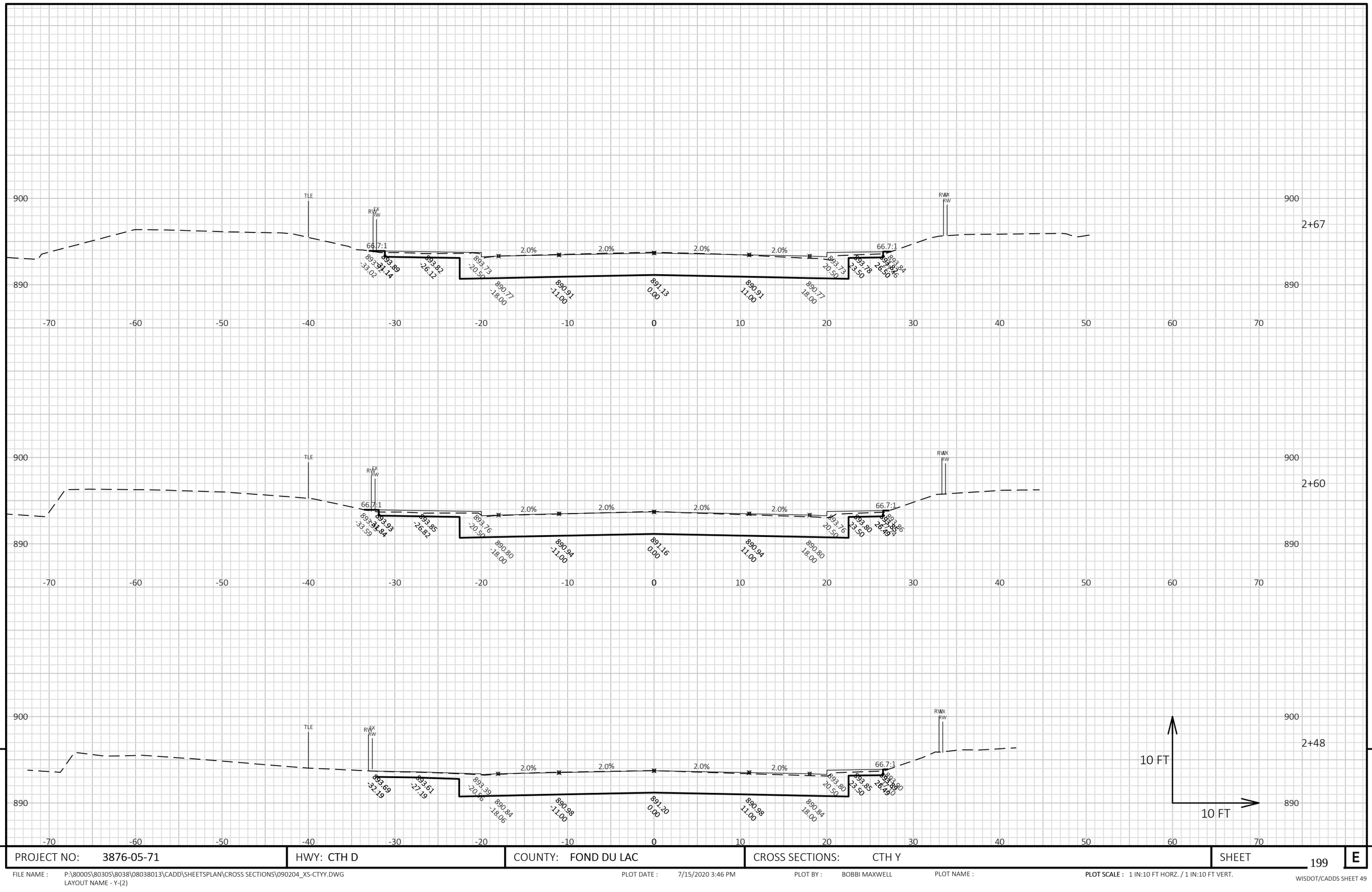
FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090204_XS-CTYY.DWG
LAYOUT NAME - Y-(1)

PLOT DATE : 7/15/2020 3:46 PM

PLOT BY : BOBBI MAXWELL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

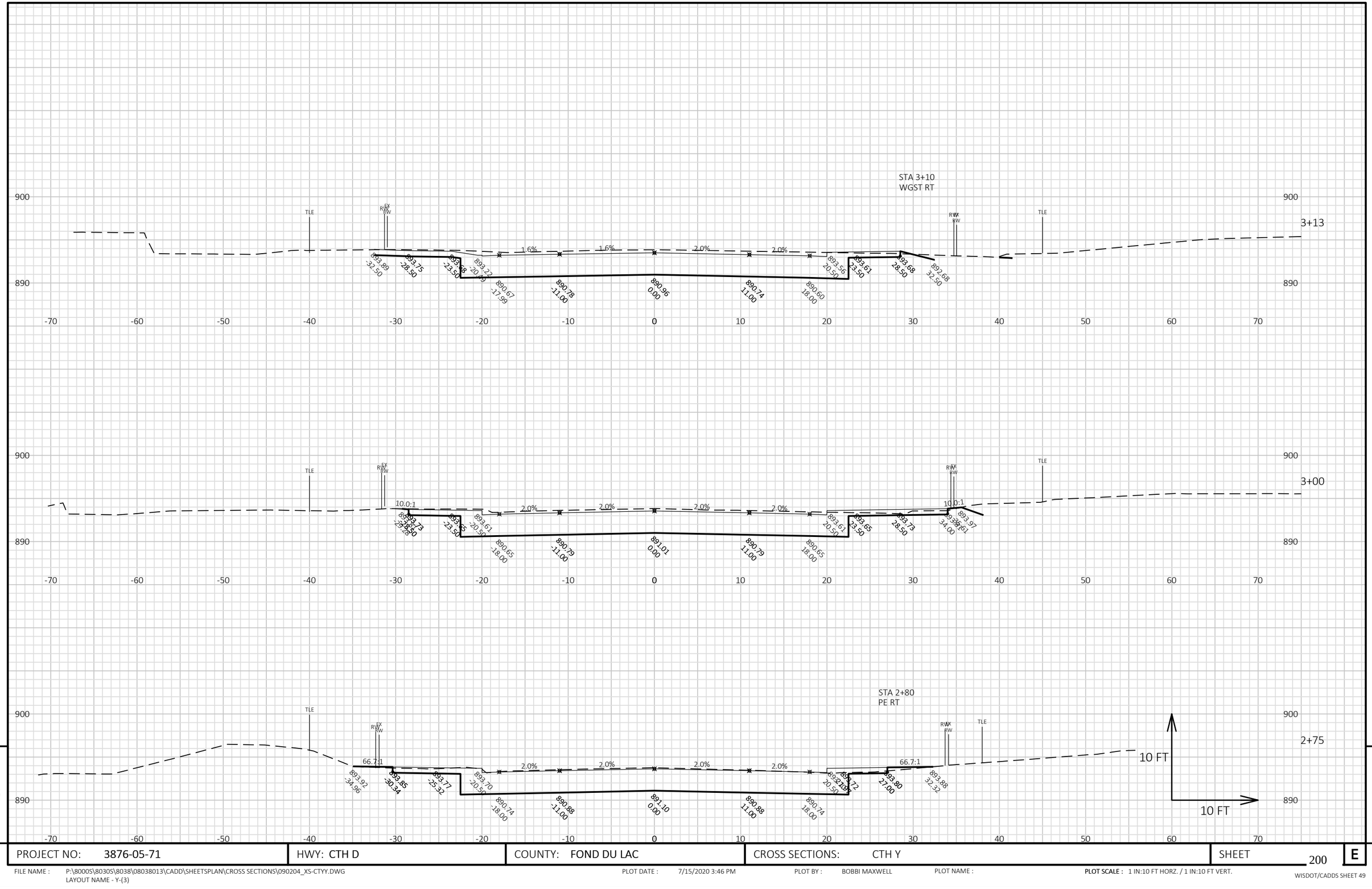


PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH Y	SHEET 199	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090204_XS-CTYY.DWG
LAYOUT NAME - Y-(2)

PLOT DATE : 7/15/2020 3:46 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH Y	SHEET 200	E

9

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090204_XS-CTYY.DWG
LAYOUT NAME - Y-(3)

PLOT DATE : 7/15/2020 3:46 PM

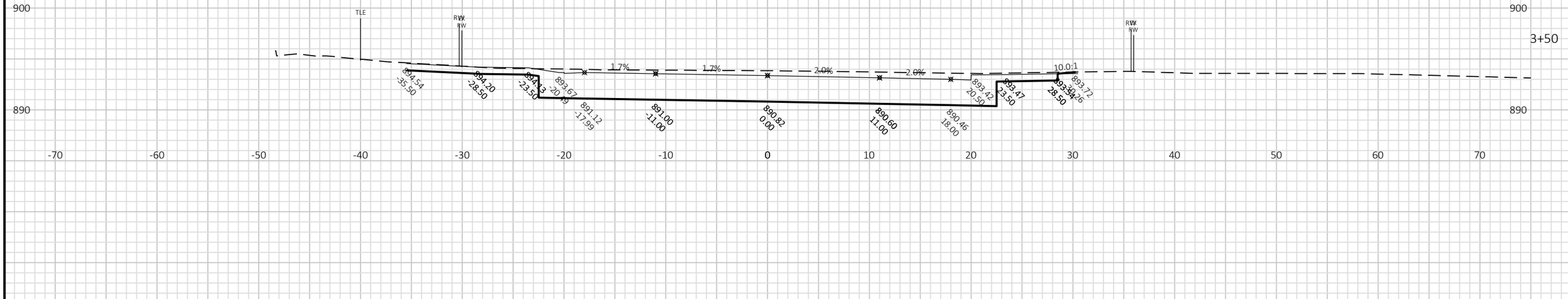
PLOT BY : BOBBI MAXWELL

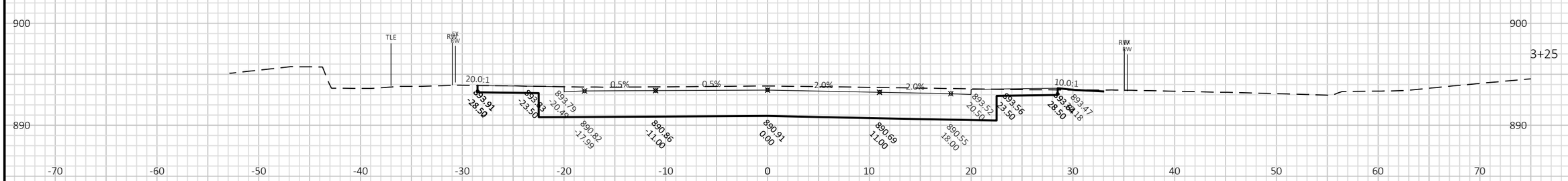
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

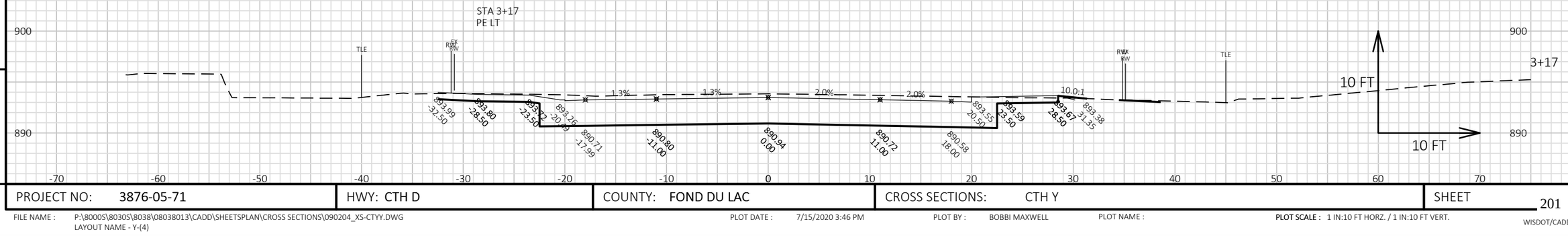
WISDOT/CADDS SHEET 49

STA 3+50
CE LT





STA 3+17
PE LT



9

9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH Y	SHEET 201	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090204_XS-CTYY.DWG
LAYOUT NAME - Y-(4)

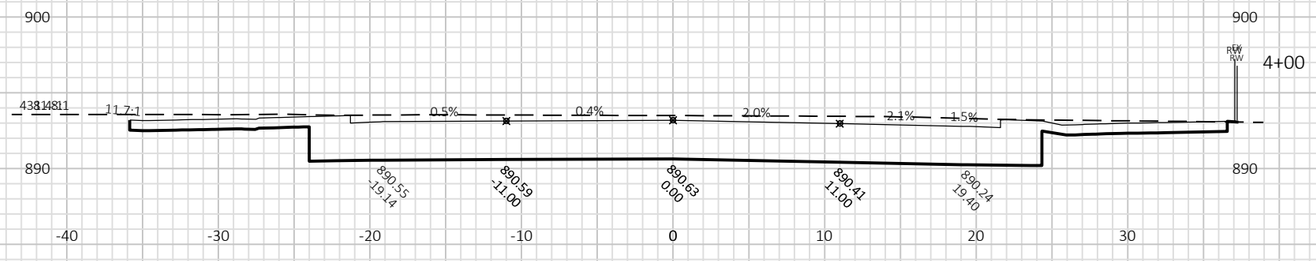
PLOT DATE : 7/15/2020 3:46 PM

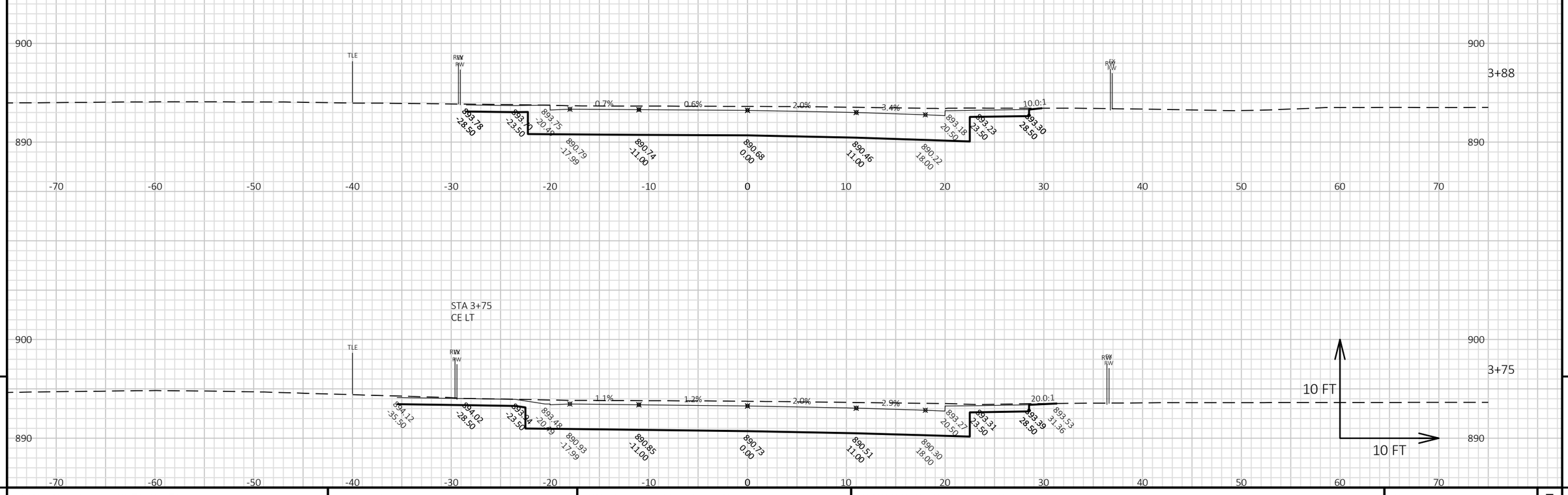
PLOT BY : BOBBI MAXWELL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



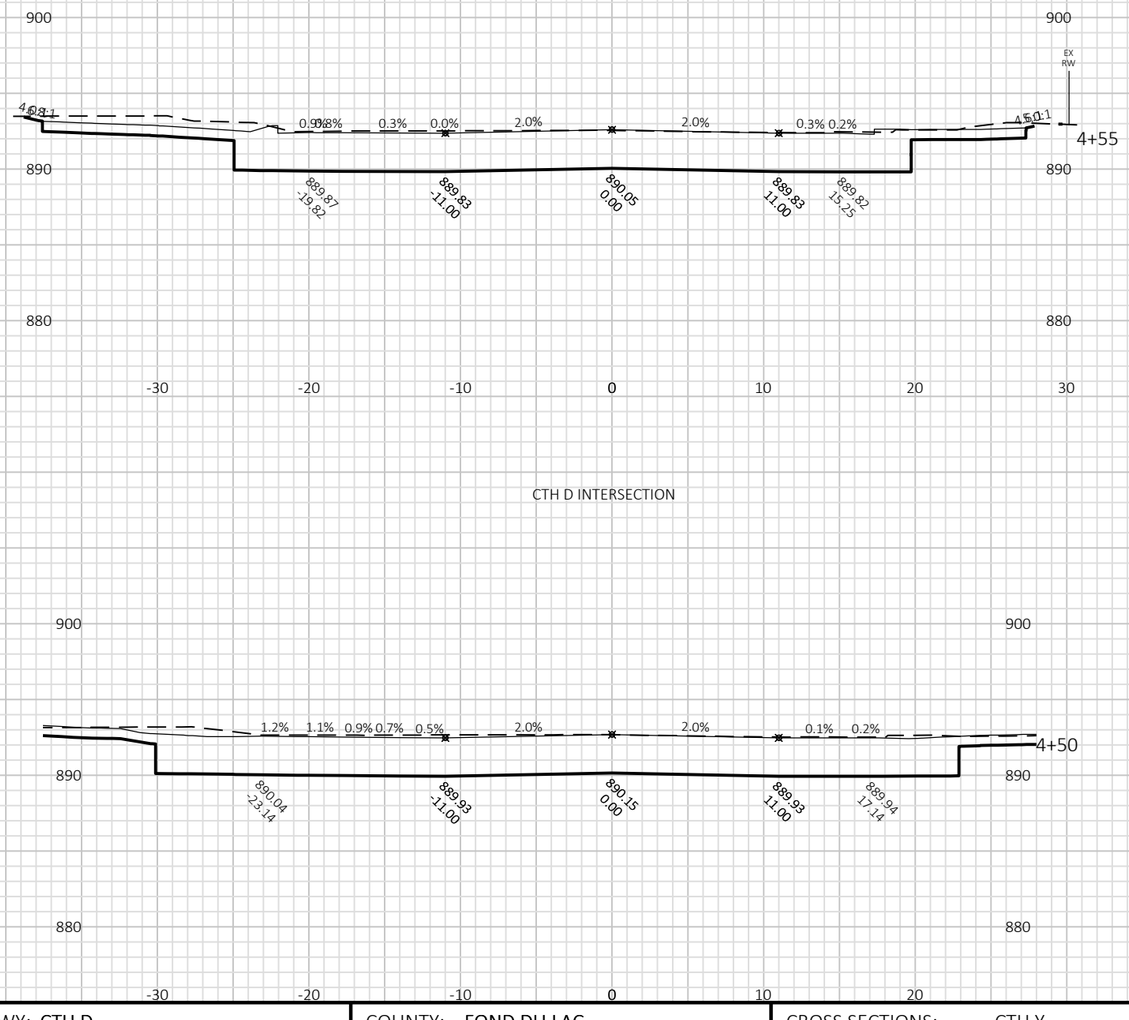


9 9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH Y	SHEET 202	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090204_XS-CTYY.DWG
LAYOUT NAME - Y-(5)

PLOT DATE : 7/15/2020 3:46 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



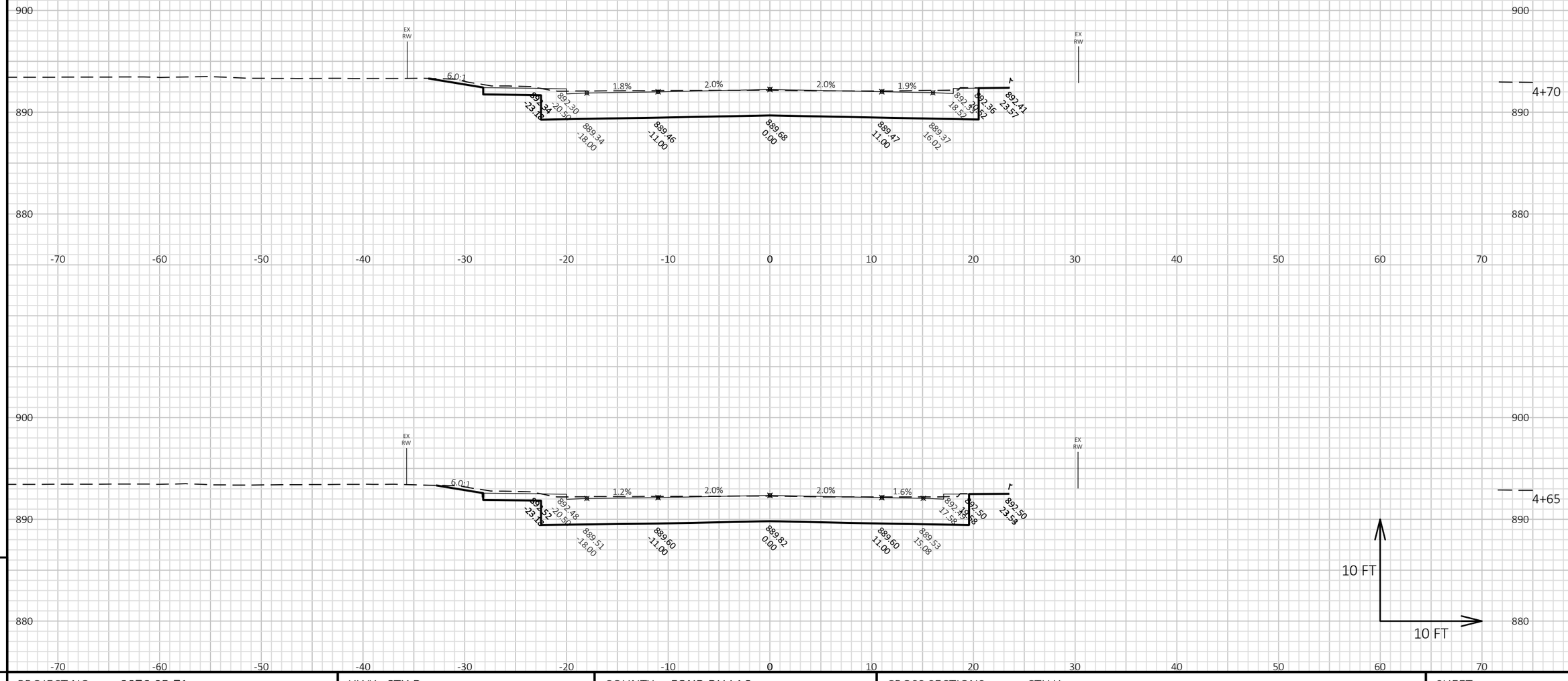
9

9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH Y	SHEET 203	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090204_XS-CTYY.DWG
LAYOUT NAME - Y-(6)

PLOT DATE : 7/15/2020 3:46 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH Y	SHEET 204	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090204_XS-CTYY.DWG
LAYOUT NAME - Y-(7)

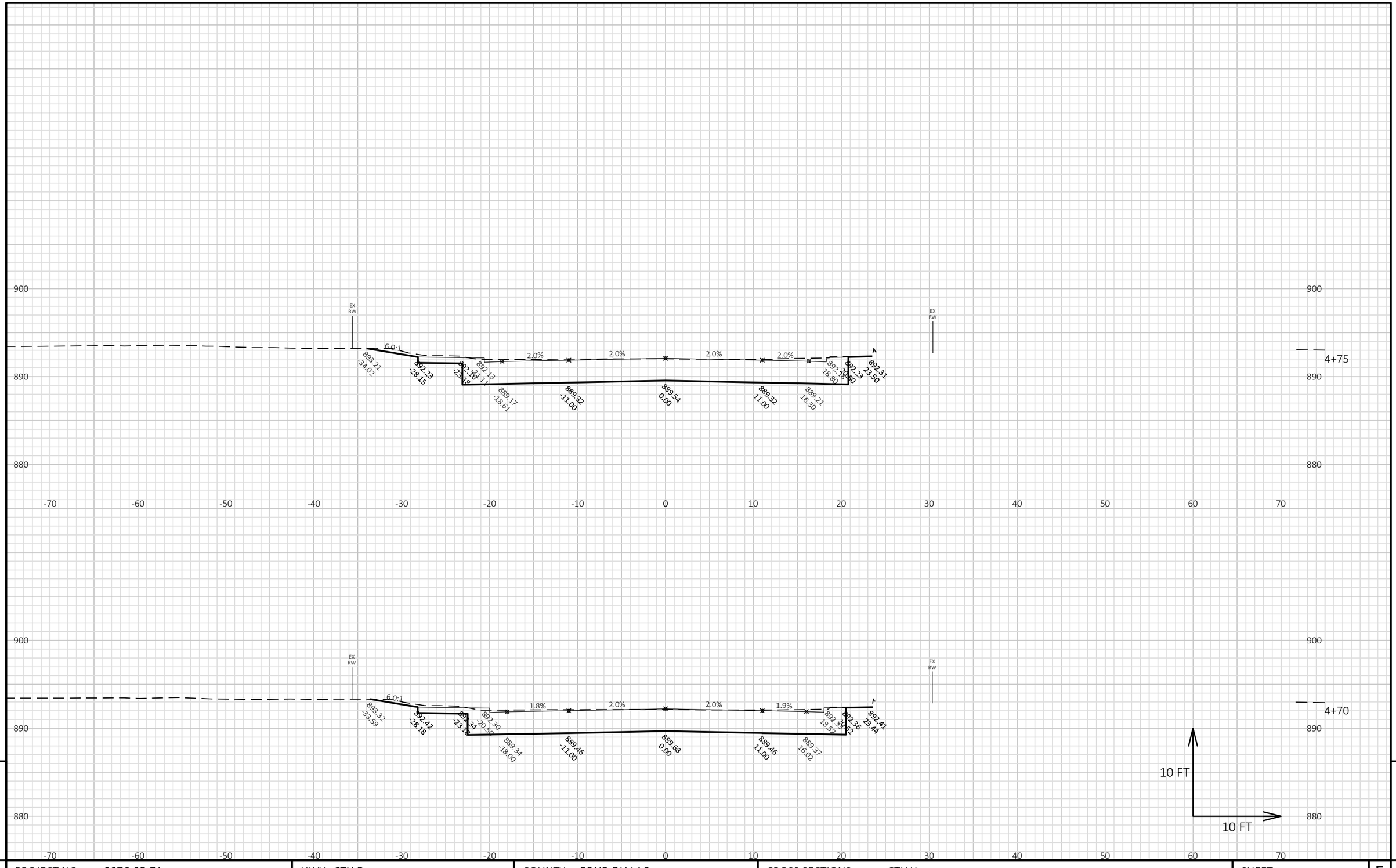
PLOT DATE : 7/15/2020 3:46 PM

PLOT BY : BOBBI MAXWELL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH Y	SHEET 205	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090204_XS-CTYY.DWG
LAYOUT NAME - Y-(8)

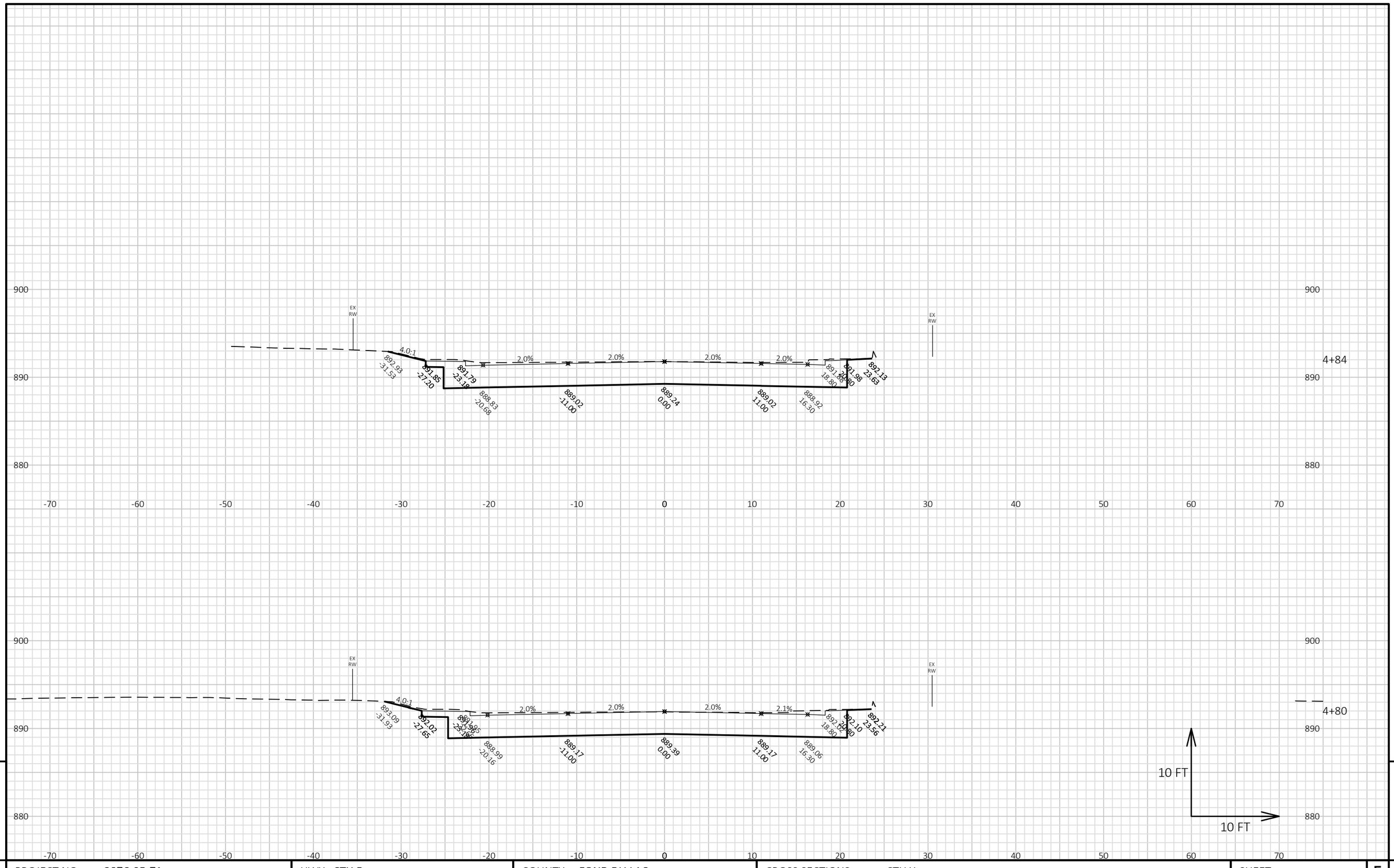
PLOT DATE : 7/15/2020 3:46 PM

PLOT BY : BOBBI MAXWELL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: CTH Y	SHEET 206	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090204_XS-CTYY.DWG
LAYOUT NAME - Y-(9)

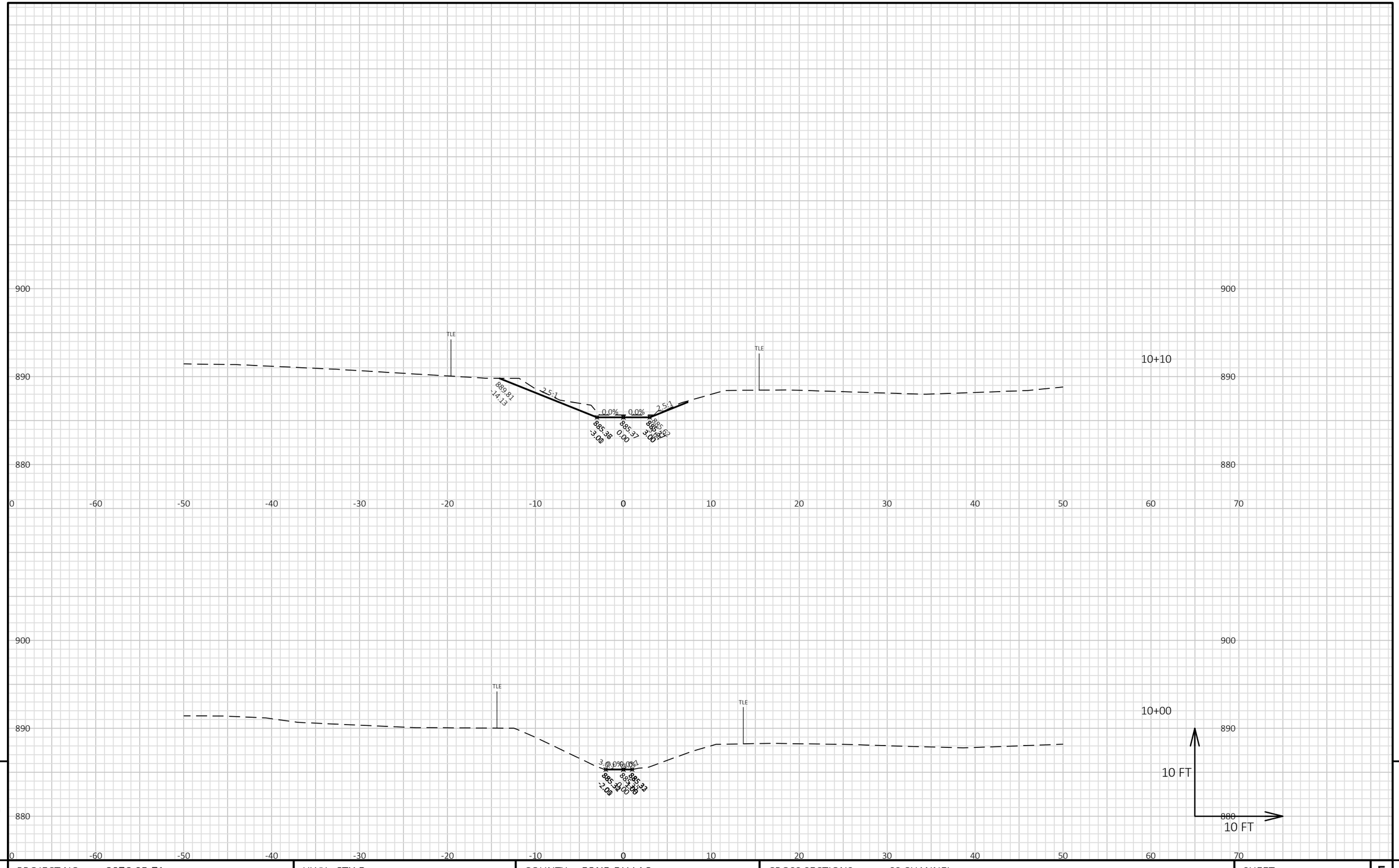
PLOT DATE : 7/15/2020 3:46 PM

PLOT BY : BOBBI MAXWELL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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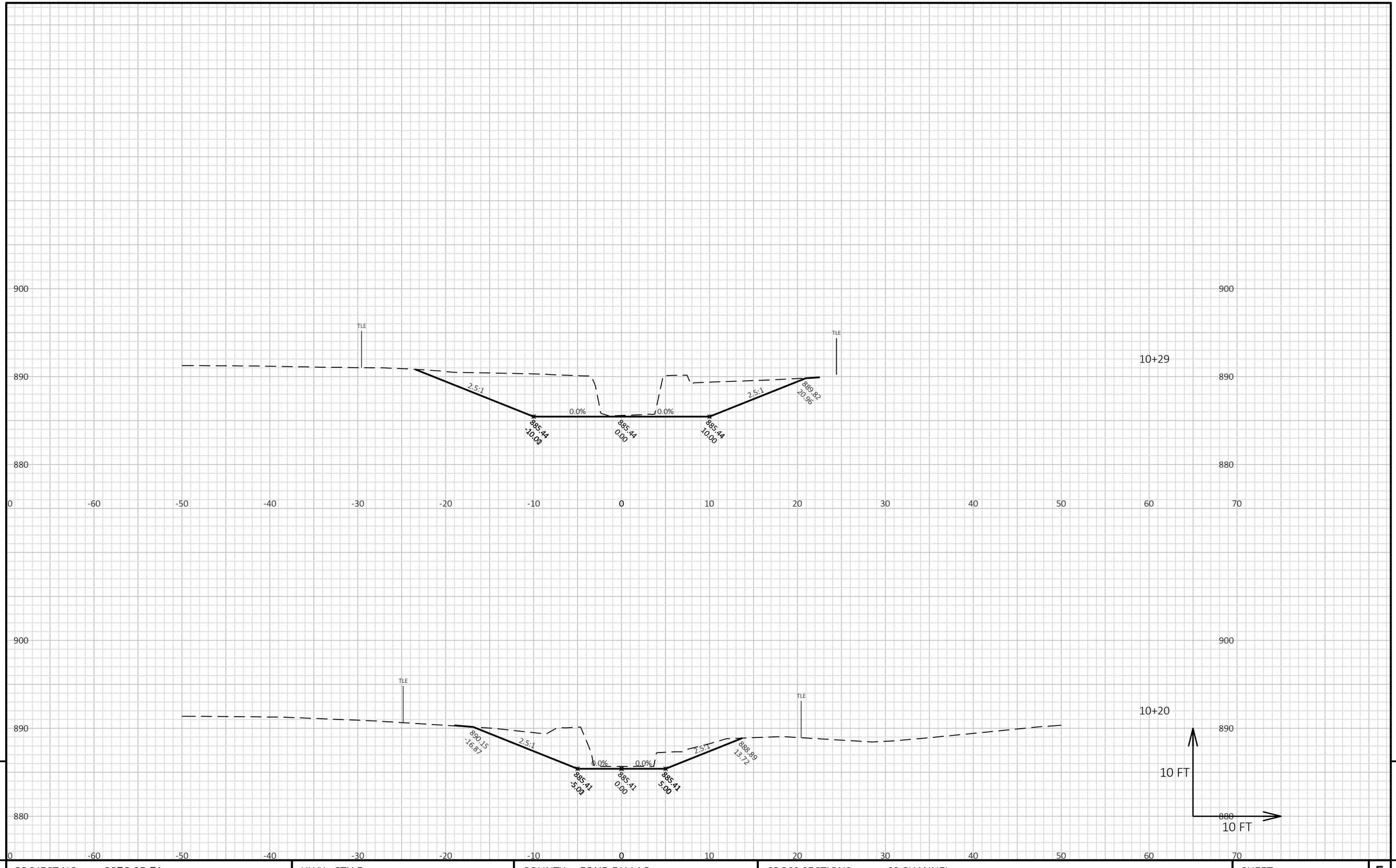
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: SS CHANNEL	SHEET 207	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - SS Channel1

PLOT DATE : 7/15/2020 12:40 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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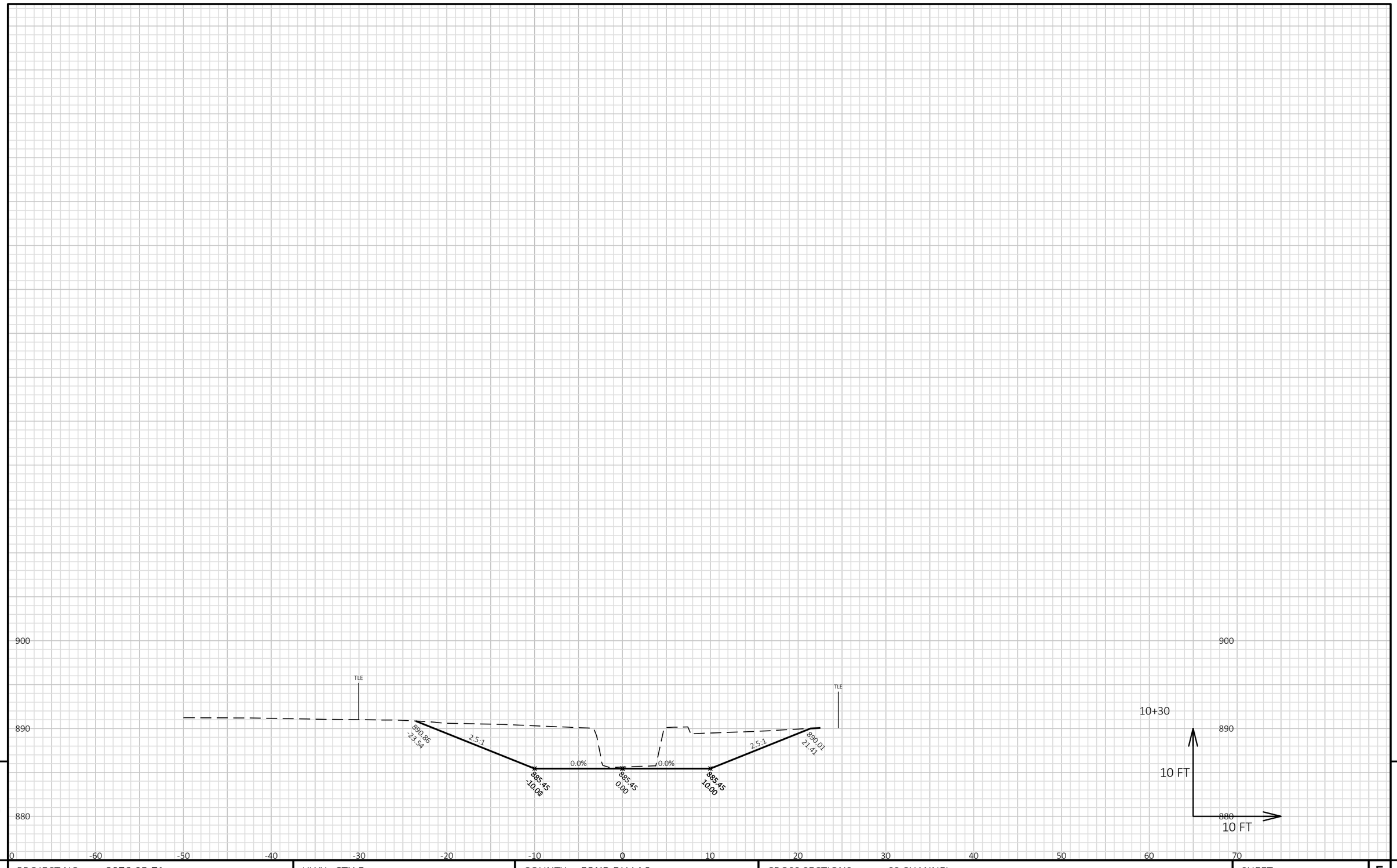
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: SS CHANNEL	SHEET 208	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - SS Channel2

PLOT DATE : 7/15/2020 12:40 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

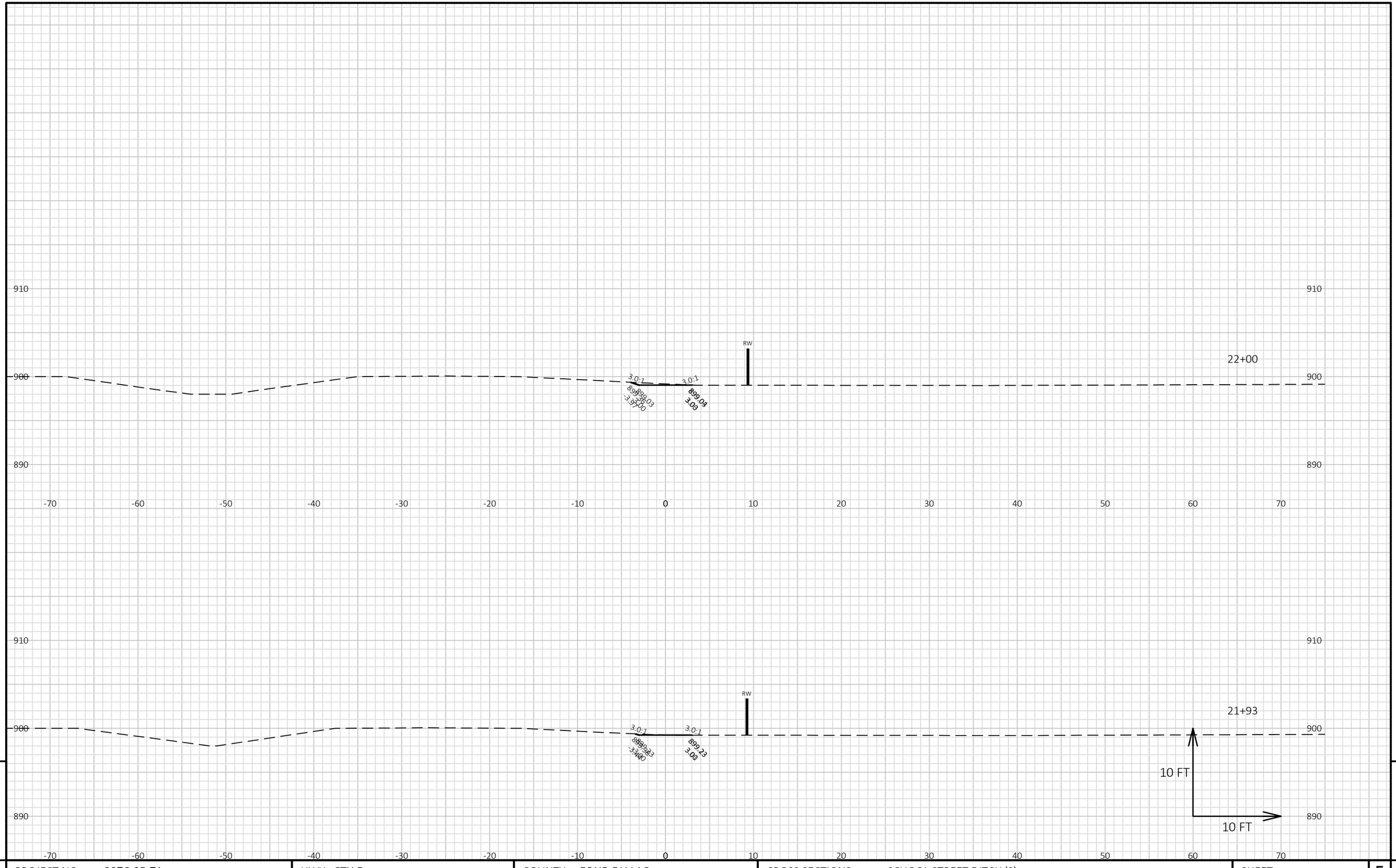


PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: SS CHANNEL	SHEET 209 E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\SHEETSPLAN\CROSS SECTIONS\090202_XS-CTYD-PARKING ONE SIDE.DWG
LAYOUT NAME - SS Channel3

PLOT DATE : 7/15/2020 12:40 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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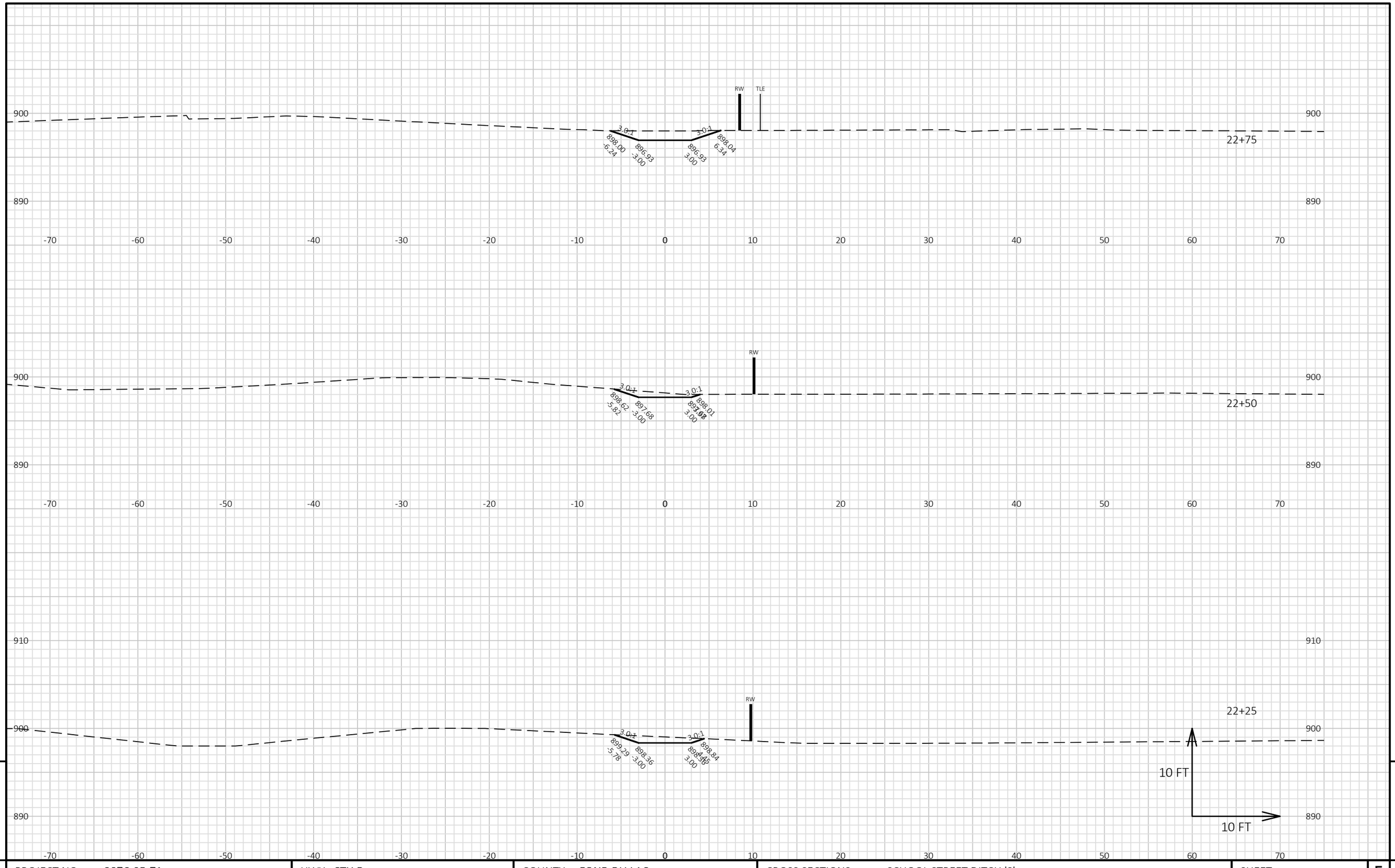
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: SCHOOL STREET DITCH 'S'	SHEET 210	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\DESIGN\CORRIDORS\CRDR-CTYD-DRAINAGE DITCH OPT 2.DWG
LAYOUT NAME - 090280-xs

PLOT DATE : 7/15/2020 2:26 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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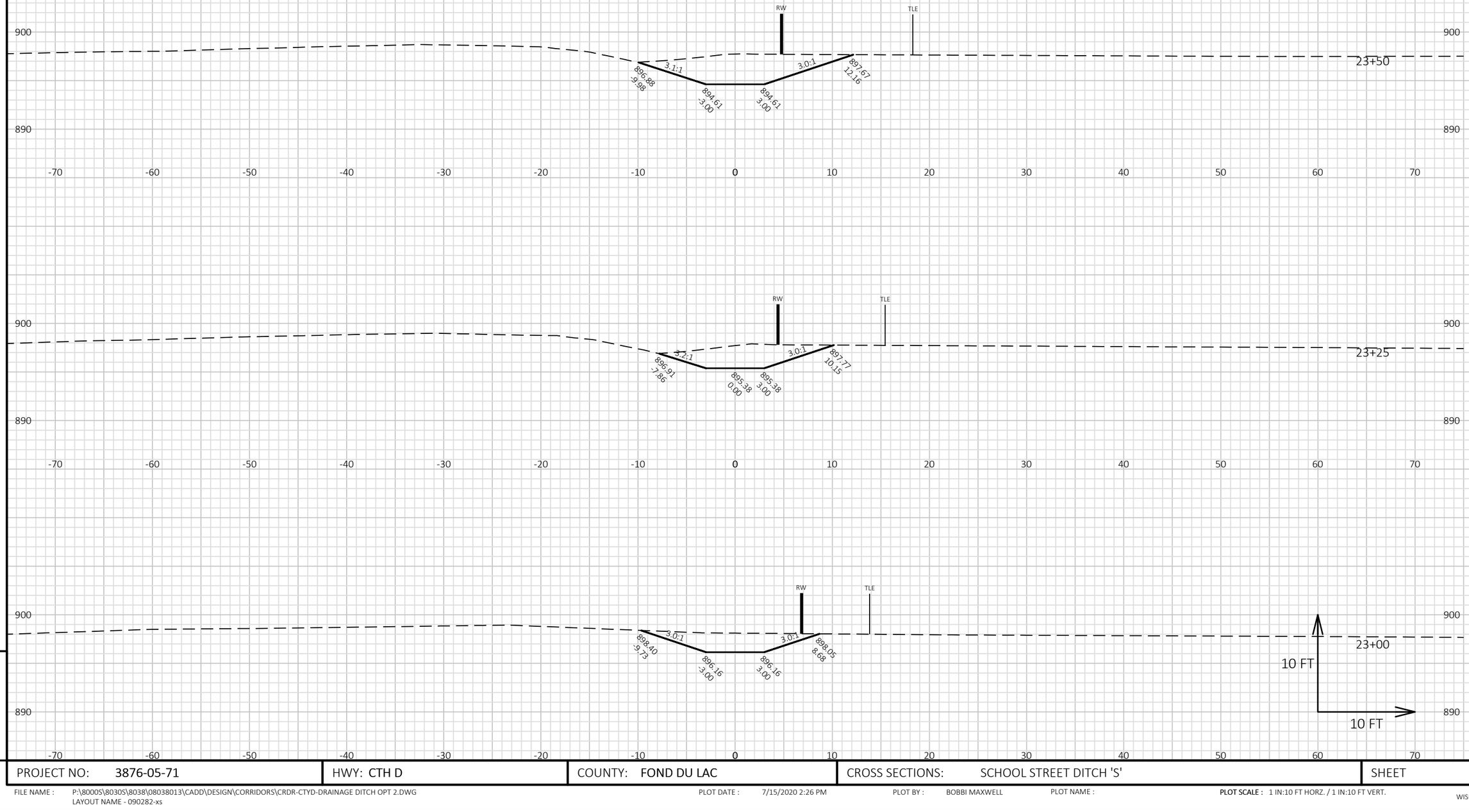
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: SCHOOL STREET DITCH 'S'	SHEET 211	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\DESIGN\CORRIDORS\CRDR-CTYD-DRAINAGE DITCH OPT 2.DWG
LAYOUT NAME - 090281-xs

PLOT DATE : 7/15/2020 2:26 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

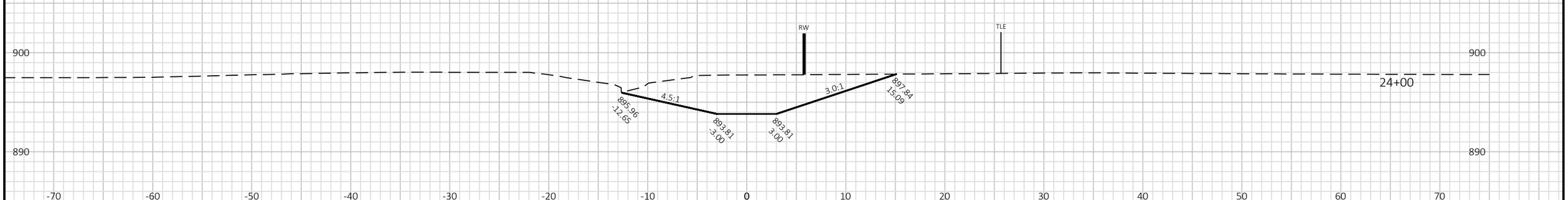


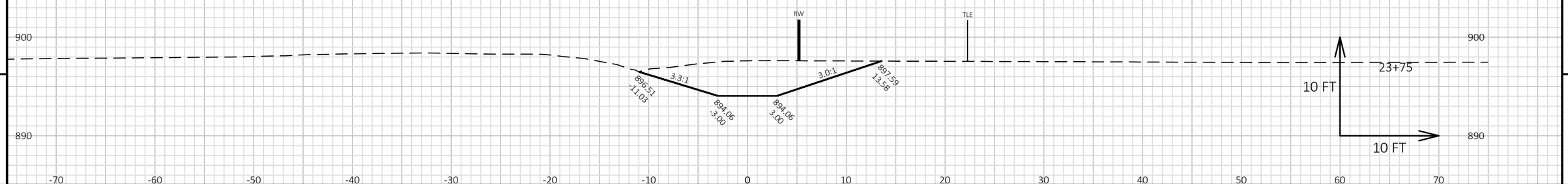
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: SCHOOL STREET DITCH 'S'	SHEET 212 E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\DESIGN\CORRIDORS\CRDR-CTYD-DRAINAGE DITCH OPT 2.DWG
LAYOUT NAME - 090282-xs

PLOT DATE : 7/15/2020 2:26 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: SCHOOL STREET DITCH 'S'	SHEET 213	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\DESIGN\CORRIDORS\CRDR-CTYD-DRAINAGE DITCH OPT 2.DWG
LAYOUT NAME - 090283-xs

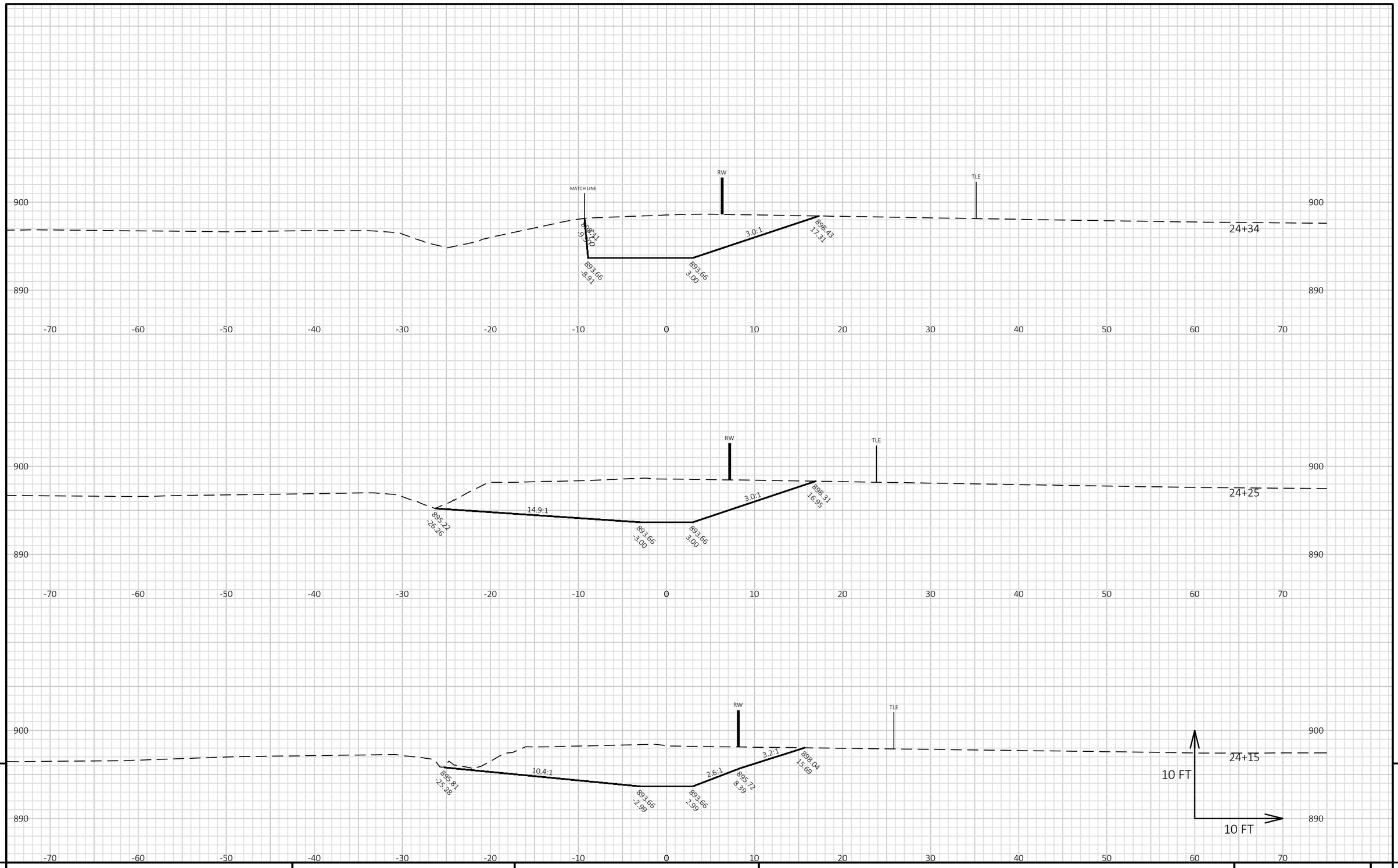
PLOT DATE : 7/21/2020 2:53 PM

PLOT BY : BOBBI MAXWELL

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: SCHOOL STREET DITCH 'S'	SHEET 214	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\DESIGN\CORRIDORS\CRDR-CTYD-DRAINAGE DITCH OPT 2.DWG
LAYOUT NAME - 090284-xs

PLOT DATE : 7/15/2020 2:26 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

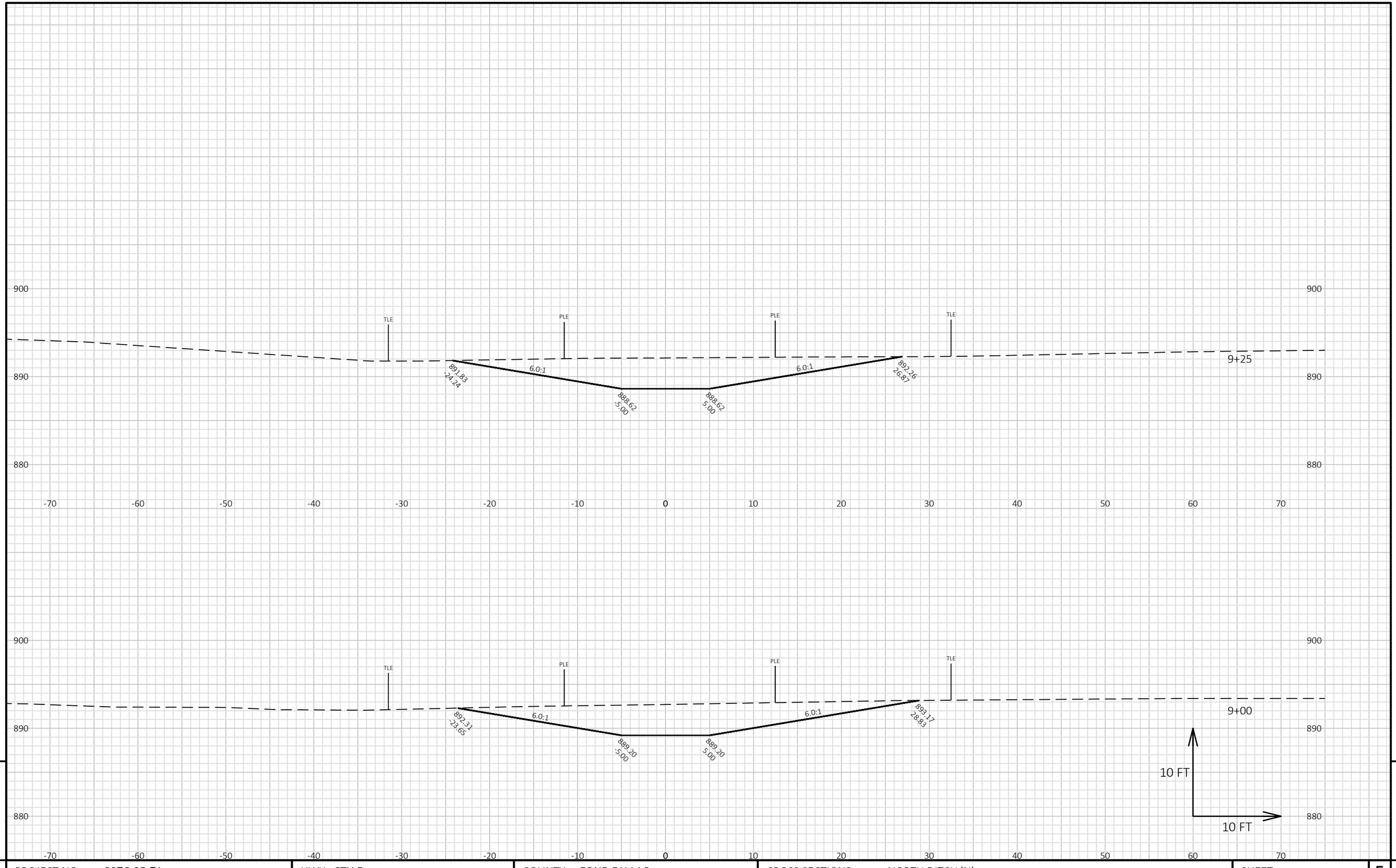
WISDOT/CADDS SHEET 49

PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: NORTH DITCH 'N'	SHEET 215	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\DESIGN\CORRIDORS\CRDR-CTYD-DRAINAGE DITCH OPT 2.DWG
LAYOUT NAME - 090285-xs

PLOT DATE : 7/15/2020 2:26 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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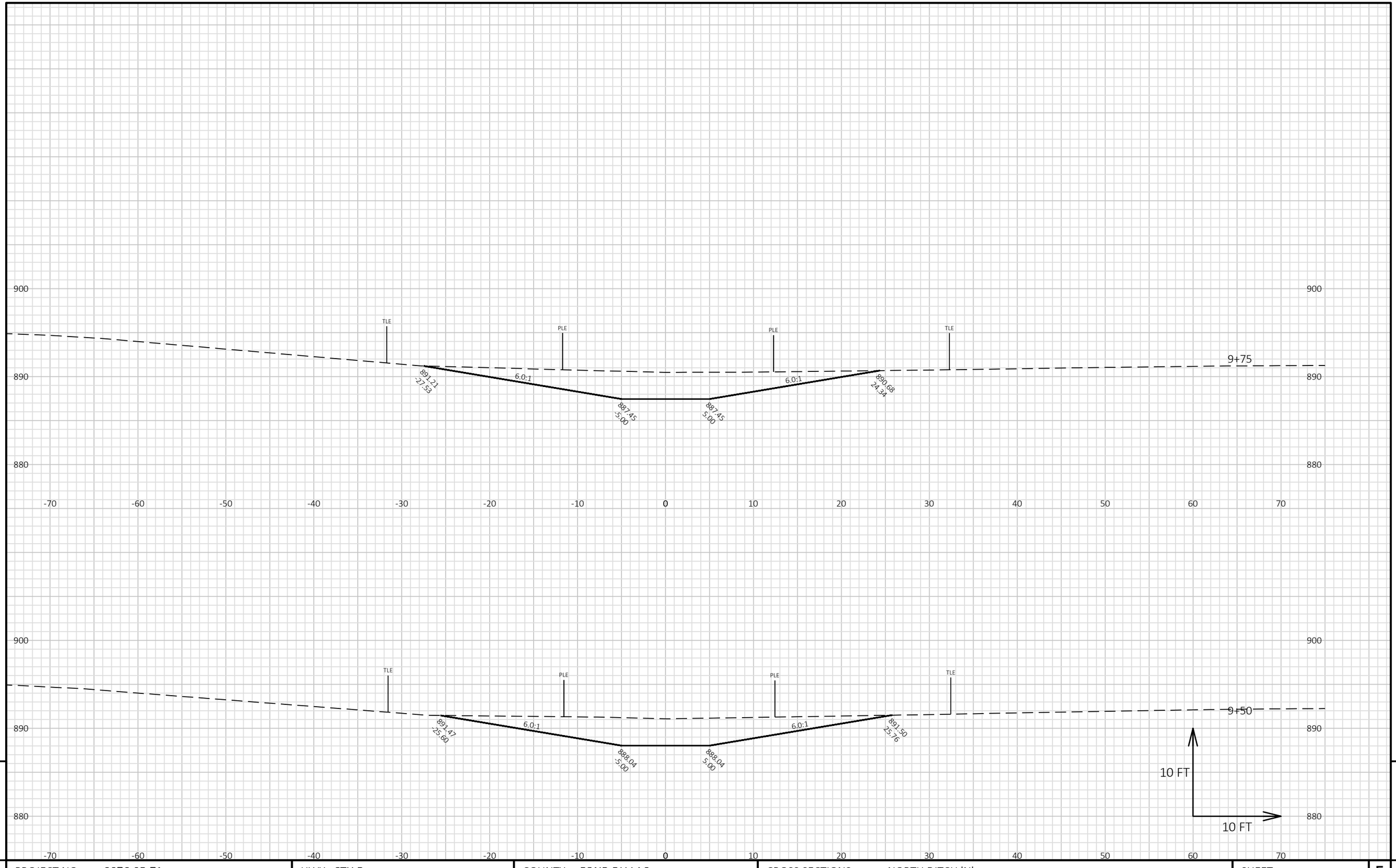
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: NORTH DITCH 'N'	SHEET 216	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\DESIGN\CORRIDORS\CRDR-CTYD-DRAINAGE DITCH OPT 2.DWG
LAYOUT NAME - 090286-xs

PLOT DATE : 7/15/2020 2:26 PM PLOT BY : BOBBI MAXWELL PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



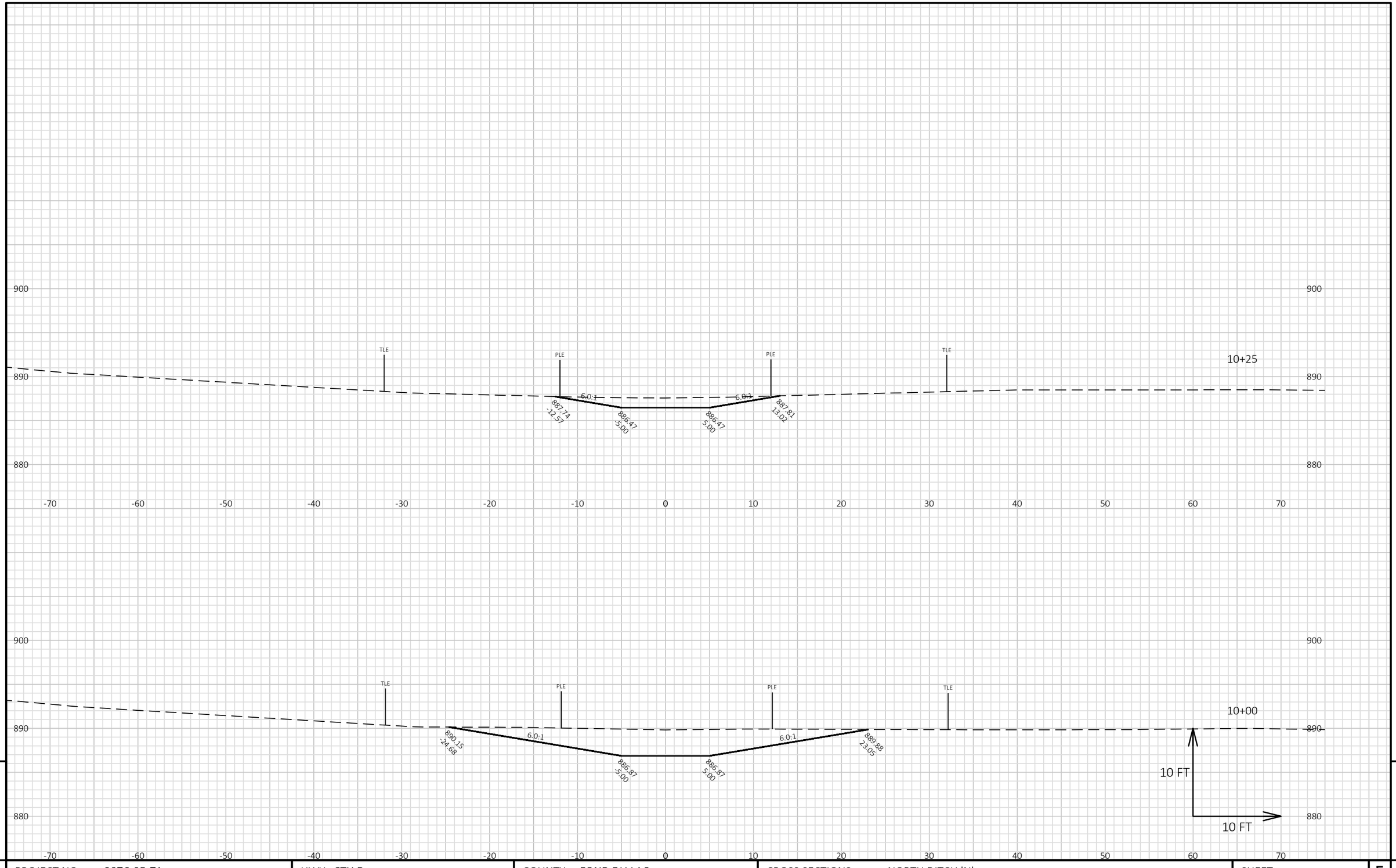
PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: NORTH DITCH 'N'	SHEET 217	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\DESIGN\CORRIDORS\CRDR-CTYD-DRAINAGE DITCH OPT 2.DWG
LAYOUT NAME - 090287-xs

PLOT DATE : 7/15/2020 2:26 PM PLOT BY : BOBBI MAXWELL PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 3876-05-71	HWY: CTH D	COUNTY: FOND DU LAC	CROSS SECTIONS: NORTH DITCH 'N'	SHEET 218	E

FILE NAME : P:\8000S\8030S\8038\08038013\CADD\DESIGN\CORRIDORS\CRDR-CTYD-DRAINAGE DITCH OPT 2.DWG
LAYOUT NAME - 090288-xs

PLOT DATE : 7/15/2020 2:26 PM PLOT BY : BOBBI MAXWELL PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov