EAU

PROJECT ID: 8110-02-73

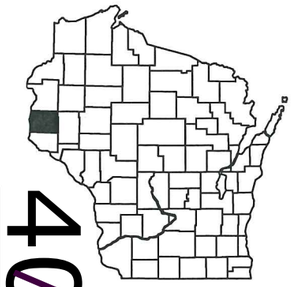
COUNTY: ST. CROIX

MARCH 2018

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
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 = 584



N

40

DESIGN DESIGNATION

			MAIN STREET	OLD STH 64
A.A.D.T.	AADT1	=	12,800	15,000
A.A.D.T.	AADT2	=	900	-
D.H.V.	2036	=	-	-
D.D.		=	-	-
T.		=	-	-
DESIGN SPEED		=	30/60	-
ESALS		=	-	-

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE		ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
		TELEPHONE	T
MARSH AREA		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
WOODED OR SHRUB AREA		TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STILLWATER - SOMERSET

LOOP TRAIL SYSTEM (PED/BIKE FACILITY)

STH 64

ST. CROIX COUNTY

STATE PROJECT NUMBER
8110-02-73

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
8110-02-73	———	—

END PROJECT 8110-02-73
STA 1082+68.66 STA 2078+42.17
OLD STH 64 MAIN STREET
X=502061.478 X=504879.258
Y=374491.757 Y=377546.656

PROJECT BEGIN
STA 1050+00.00 STA 2007+25.76
OLD STH 64 MAIN STREET
X=499838.592 X=502100.208
Y=372350.703 Y=372435.691

LAYOUT
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 2.401 MI

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	NW REGION EAU CLAIRE
Designer	TERESA DAVIS
Project Manager	BETH CUNNINGHAM P.E.
Regional Examiner	JENNIFER OLDENBURG
Regional Supervisor	TIMOTHY MASON P.E.
C.O. Examiner	CO EXAMINER

APPROVED FOR THE DEPARTMENT
DATE: 11/1/17 (Signature)

E

LIST OF STANDARD ABBREVIATIONS

ABUT.	ABUTMENT
AGG.	AGGREGATE
AH.	AHEAD
APPROX.	APPROXIMATE
A.E.W.	APRON ENDWALL
ASPH.	ASPHALTIC
A.D.T.	AVERAGE DAILY TRAFFIC
AZ.	AZIMUTH
BK.	BACK
BEG.	BEGIN
B.M.	BENCH MARK
C/L	CENTER LINE
CONC.	CONCRETE
CONST.	CONSTRUCTION
CO.	COUNTY
C.T.H.	COUNTY TRUNK HIGHWAY
X-SEC.	CROSS SECTION
CR.	CRUSHED
CFS	CUBIC FEET/SECOND
C.Y., CU. YD.	CUBIC YARD
CULV.	CULVERT
C.P.	CULVERT PIPE
D.O.T.	DEPARTMENT OF TRANSPORTATION
D.H.V.	DESIGN HOUR VOLUME
DIA.	DIAMETER
D.	DIRECTIONAL DISTRIBUTION
DISCH. OR DIS.	DISCHARGE
EA.	EACH
ELECT.	ELECTRIC
EL. OR ELEV.	ELEVATION
EMB.	EMBANKMENT
E.B.S.	EXCAVATION BELOW SUBGRADE
EXIST.	EXISTING
FERT.	FERTILIZE
F.E.	FIELD ENTRANCE
FIN.	FINISHED
FT.	FOOT
F.L.	FLOW LINE
GA.	GAUGE
HORIZ.	HORIZONTAL
CWT.	HUNDREDWEIGHT
INL.	INLET
LT.	LEFT
L.H.F.	LEFT-HAND FORWARD
LIN.	LINEAR
LIN. FT.	LINEAR FOOT
L.S.	LUMP SUM
MAX.	MAXIMUM
MI.	MILE
MISC.	MISCELLANEOUS
N.E.	NORTH EAST
N.W.	NORTH WEST
PAV'T	PAVEMENT
P.C.	POINT OF CURVATURE
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENCY
P.O.T.	POINT ON TANGENT
LB.	POUND
P.E.	PRIVATE ENTRANCE
PROJ.	PROJECT
R.	RANGE
REQ'D	REQUIRED
RT.	RIGHT
R.H.F.	RIGHT-HAND FORWARD
R/W	RIGHT OF WAY
RD.	ROAD
SHR.	SHRINKAGE
SL.	SLOPE
STD.	STANDARD
S.D.D.	STANDARD DETAIL DRAWINGS
S.T.H.	STATE TRUNK HIGHWAY
STA.	STATION
S.P.P.A.	STRUCTURAL PLATE PIPE ARCH
STRUCT.	STRUCTURE
SURF.	SURFACE
TEL.	TELEPHONE
TN.	TOWN
T.	TRUCKS (PERCENT OF)
UNCL.	UNCLASSIFIED
U.G.	UNDERGROUND
V.	VELOCITY OR DESIGN SPEED
V.C.	VERTICAL CURVE

UTILTIES

RICK PODOLAK
AT&T WISCONSIN - COMMUNICATION LINE
304 S. DEWEY ST, 4TH FLOOR
EAU CLAIRE, WI 54701
(715) 839-5565 (OFFICE)
(715) 410-0656 (CELL)
RP4514@ATT.COM

DARREN NORDSKOG
XCEL ENERGY - ELECTRIC
1201 LIVINGSTONE ROAD
HUDSON, WI 54016
(715) 386-4798 (OFFICE)
(715) 410-3755 (MOBILE)
DARREN.M.NORDSKOG@XCELENERGY.COM

ROB DOOLEY
ST. CROIX ELECTRIC COOPERATIVE - ELECTRIC
1925 RIDGEWAY ST
HAMMOND, WI 54015
(715) 796-7000 (OFFICE)
800-924-3407 (OFFICE)
ROBD@SCECNET.NET

RANDY RISEN
MIDWEST NATURAL GAS
3600 STATE HIGHWAY 157
PO BOX 429
LA CROSSE, WI 54602
(608) 781-1101 (OFFICE)
(715) 577-1941 (MOBILE)
RANDYR@MIDWESTNATURALGAS.COM

BALDWIN TELECOM INC.
KEN CARLSRUD
930 MAPLE STREET
BALDWIN, WI 54002
(715) 684-3346 (OFFICE)
(715) 760-0966 (MOBILE)
KCARLSRUD@LSWI.NET

WISCONSIN DOT

DEPARTMENT OF TRANSPORTATION
NORTHWEST REGION
718 WEST CLAIREMONT AVE
EAU CLAIRE WI 54701
ATTN.: TIMOTHY MASON
(715) 833-5366

MINNESOTA DOT

DEPARTMENT OF TRANSPORTATION
OAKDALE OFFICE
3485 HADLEY AVENUE NORTH
OAKDALE, MN 55128-3307
ATTN.: ERIC EMBACHER
(651) 366-4302

WISCONSIN DNR - LIASON

DEPARTMENT OF NATURAL RESOURCES
WEST CENTRAL REGION
1300 WEST CLAIREMONT AVE
EAU CLAIRE WI 54701
ATTN.: CHRIS WILLGER
(715) 839-1609

ST. CROIX COUNTY HIGHWAY DEPARTMENT

ROB KREJCI, PE, HIGHWAY COMMISSIONER
ST. CROIX COUNTY HIGHWAY DEPARTMENT
920 THIRD STREET
PO BOX 108
HAMMOND, WI 54015
(715) 245-4200

GENERAL NOTES

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE USC&GS DATUM.

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY GRUBBING OR TOPSOIL STRIPPING OPERATIONS.

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

PRIOR TO TREE, SHRUB AND PLANT INSTALLATION, STAKE LOCATION AND OBTAIN ENGINEER APPROVAL ON STAKED LOCATIONS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL DIGGERS HOTLINE PRIOR TO BEGINNING WORK OPERATIONS.

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.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE SALVAGE TOPSOILED, FERTILIZED, SEEDED, AND MULCHED AS DIRECTED BY THE ENGINEER.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING PAVEMENTS AT REMOVAL LIMITS.

REMOVAL OF GRAVEL DRIVEWAY AND APRONS SHALL BE PAID FOR AS COMMON EXCAVATION.

THE LOCATION OF DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

WHEN THE QUANTITY OF ITEMS OF BASE AGGREGATE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE. THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF MATERIAL AS DIRECTED BY THE ENGINEER.

4-INCH HMA PAVEMENT, INCLUDING SHOULDER PAVEMENT, SHALL BE CONSTRUCTED IN 2 LAYERS: 2.0-INCH (LOWER) AND 2-INCH (UPPER). 2-INCH AND 3-INCH HMA PAVEMENT MAY BE CONSTRUCTED IN ONE LAYER.

BACKFILL FOR THE AREA BEHIND THE CURB AND GUTTER SHALL BE INCIDENTAL.

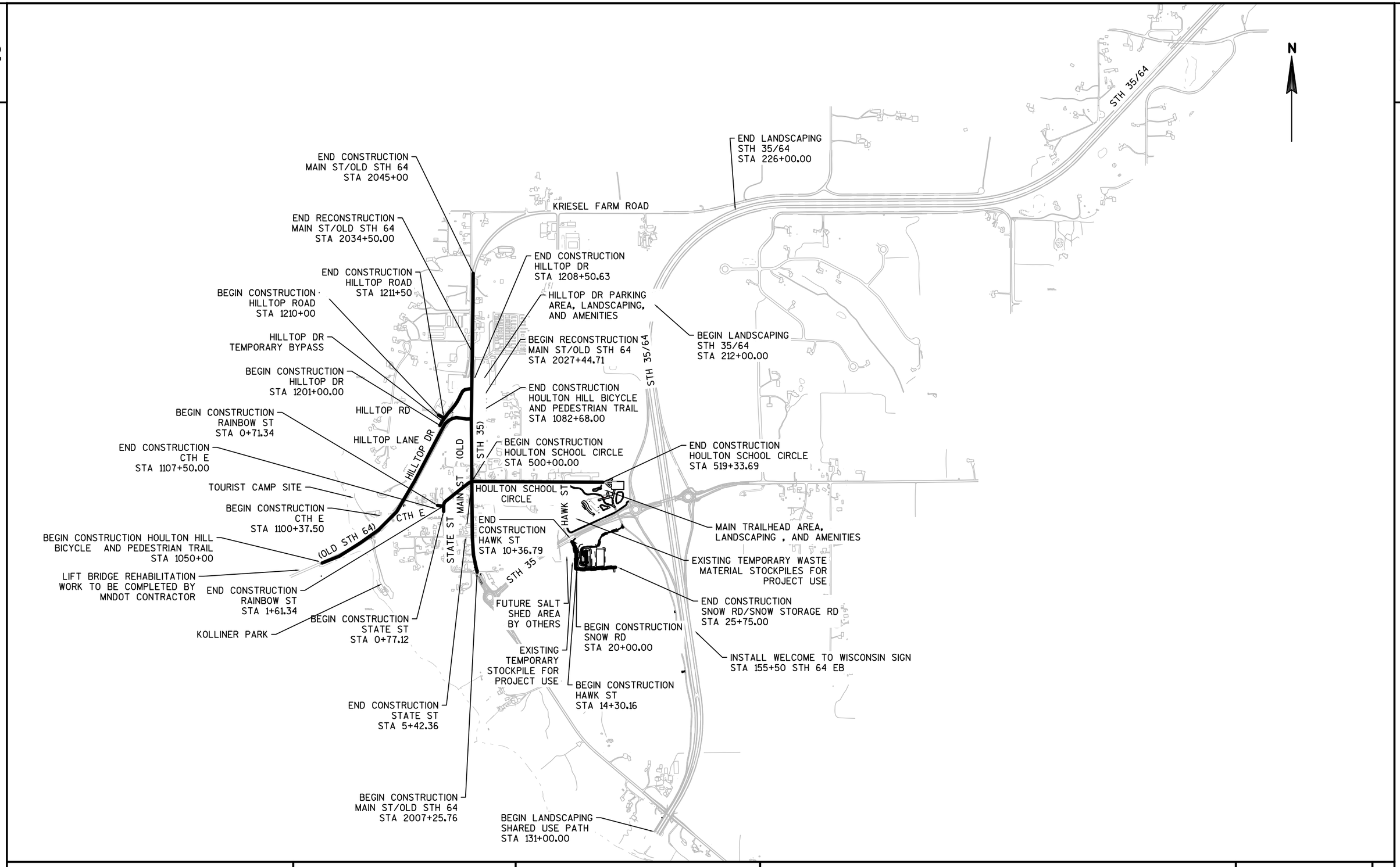
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

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

ORDER OF SHEETS
SECTION NO. 2

-GENERAL NOTES, UTILITIES, ABBREVIATIONS
-PROJECT OVERVIEW
-EXISTING/FINISHED TYPICAL SECTIONS
-CONSTRUCTION DETAILS
-ELEVATION DETAILS
-CONTOUR MAPS
-EROSION CONTROL
-STORM SEWER
-EXISTING SIGN REMOVALS
-PERMANENT SIGNING
-ADVANCED WARNING
-PAVEMENT MARKING
-TRAFFIC CONTROL
-ALIGNMENT DETAILS

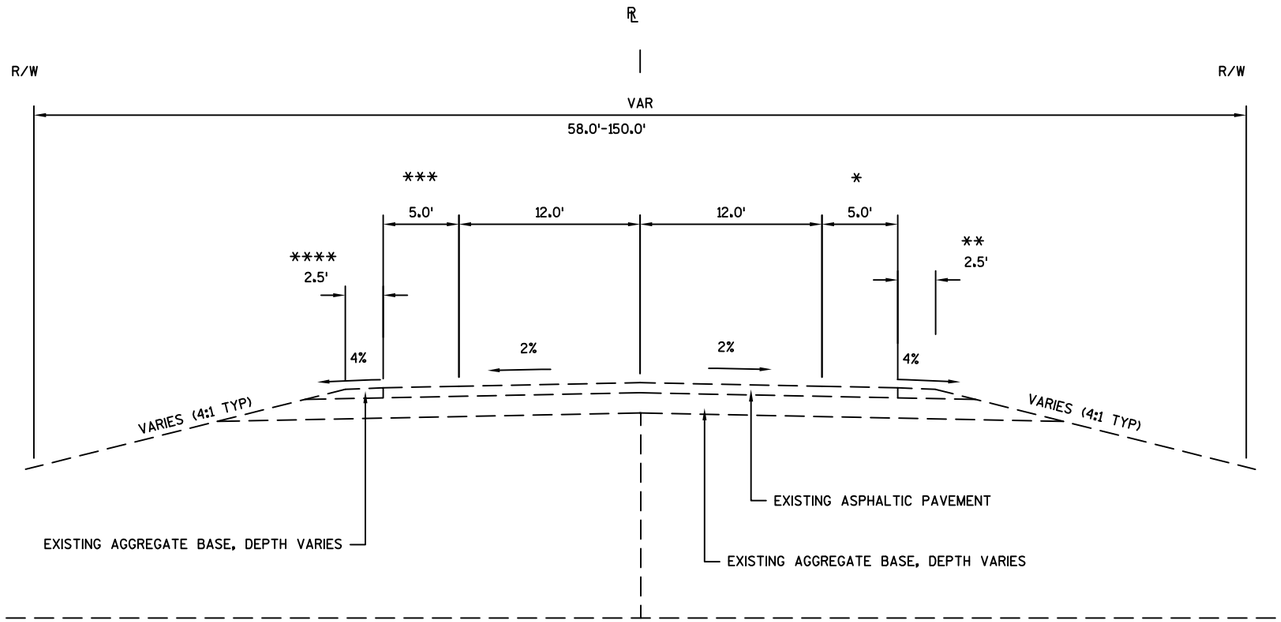
2



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PROJECT OVERVIEW	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\020201_PO_73.DWG
LAYOUT NAME - 020201_PO
PLOT DATE : 12/12/2017 3:57 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 in = 1300 ft
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION
MAIN STREET (OLD STH 35)
STA 2004+01.34 - STA 2007+25.76

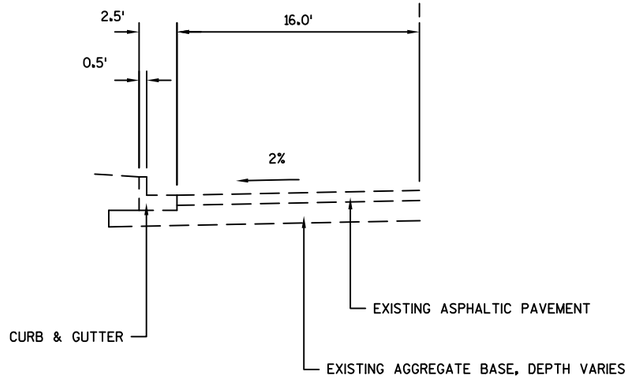
* RIGHT PAVED SHOULDER VARIES FROM 5.0'-12.0' FROM STA 2012+25 TO STA 2014+75.

** RIGHT GRAVEL SHOULDER VARIES FROM 0.5' TO 2.5' FROM STA 2012+25 TO STA 2014+75.

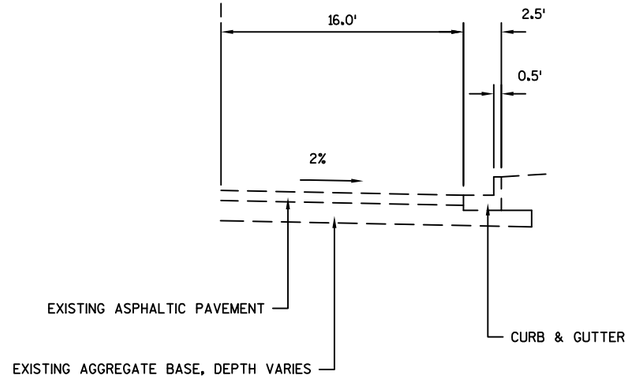
*** LEFT PAVED SHOULDER VARIES FROM 12.0'-5.0' FROM STA 2013+75 TO STA 2018+50.

**** LEFT GRAVEL SHOULDER VARIES FROM 0.5'-2.5' FROM STA 2013+75 TO STA 2018+50.

LEFT GRAVEL SHOULDER IS 7.5' FROM STA 2026+50 TO STA 2029+00.



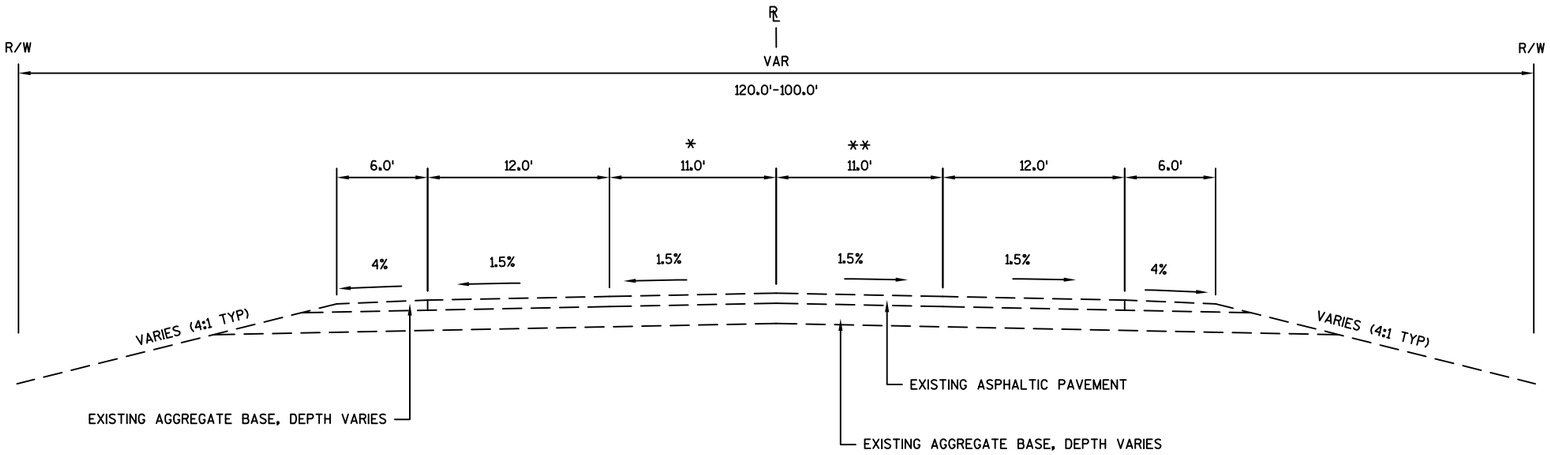
MAIN STREET (OLD STH 35)
STA 2007+25.76 - STA 2029+00.00



MAIN STREET (OLD STH 35)
STA 2007+25.76 - STA 2029+00.00

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EXISTING TYPICAL SECTIONS-MAIN ST	SHEET	E

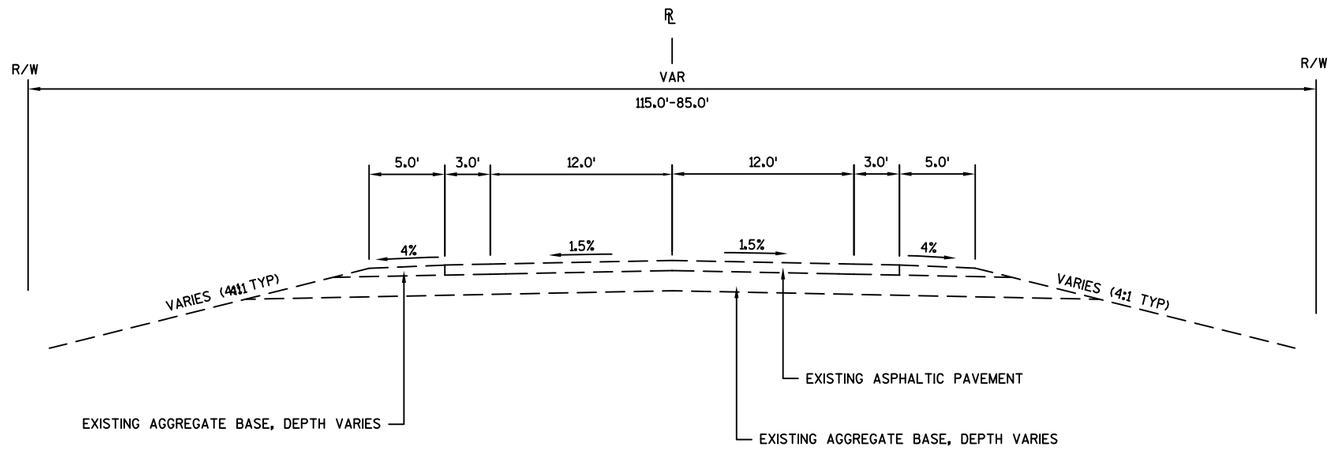
2



EXISTING TYPICAL SECTION
MAIN STREET (OLD STH 35/64)
STA 2029+00.00 - STA 2045+00.00

* LANE WIDTH VARIES FROM 11.0'-0.0' FROM STA 2044+00 TO STA 2045+75.

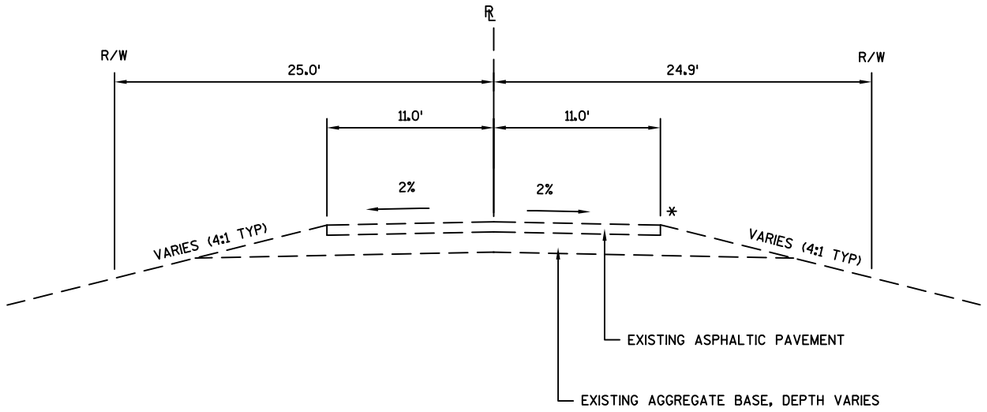
** LANE WIDTH VARIES FROM 11.0'-0.0' FROM STA 2045+75 TO STA 2046+50.



EXISTING TYPICAL SECTION
MAIN STREET (OLD STH 35/64)
STA 2045+00.00 - STA 2078+42.17

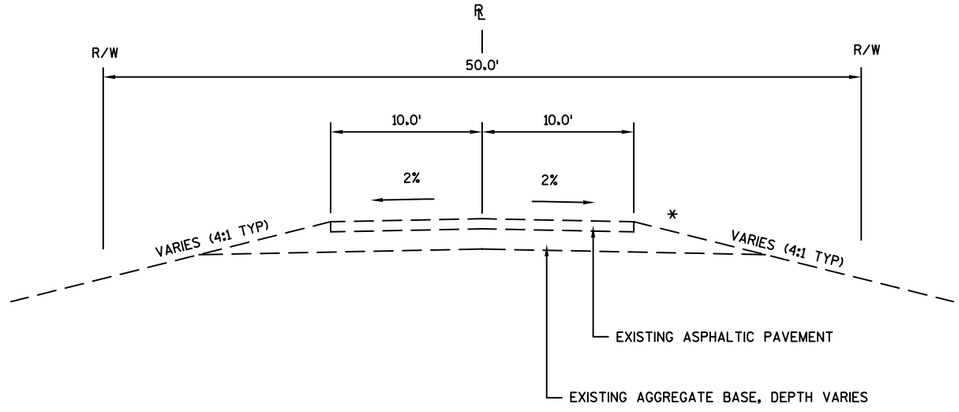
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EXISTING TYPICAL SECTIONS-MAIN ST	SHEET	E

2

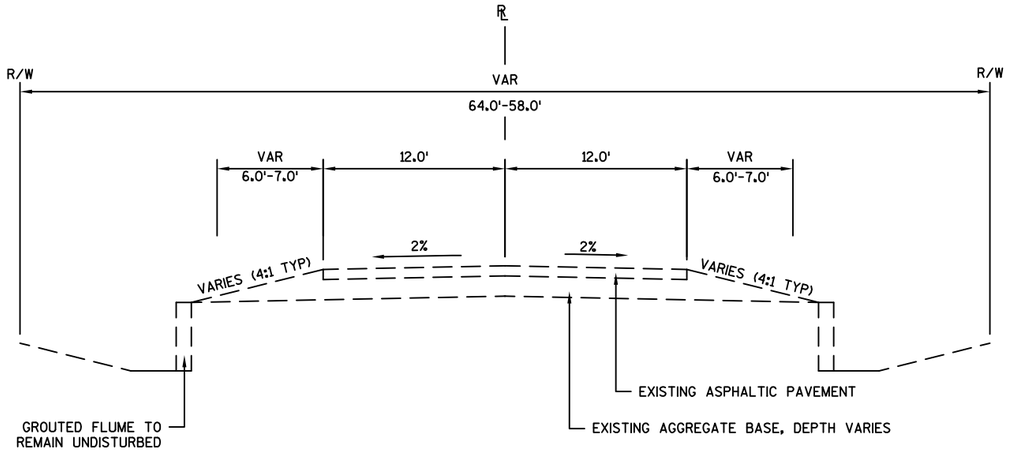


EXISTING TYPICAL SECTION
STATE STREET
STA 00+77.12 - STA 05+42.35

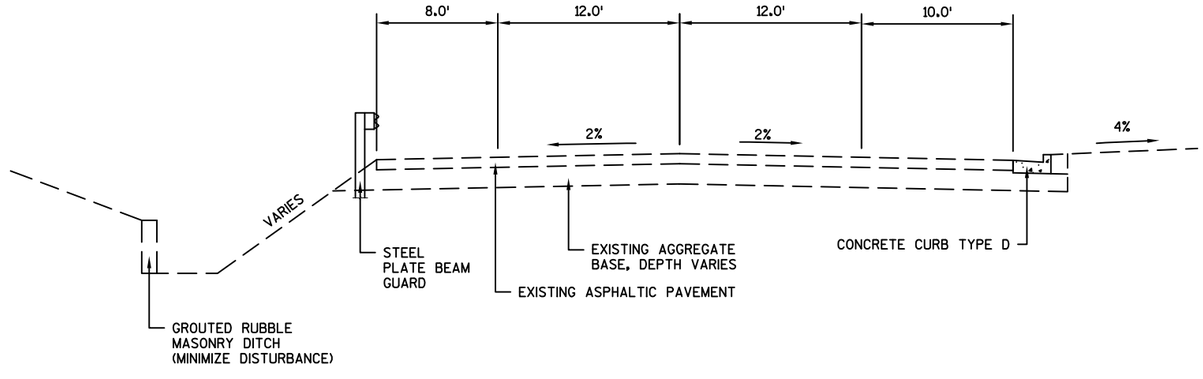
* EXISTING GRASS EXTENDS TO PAVEMENT EDGE (TYP).



EXISTING TYPICAL SECTION
RAINBOW STREET
STA 00+71.34 - STA 01+61.34

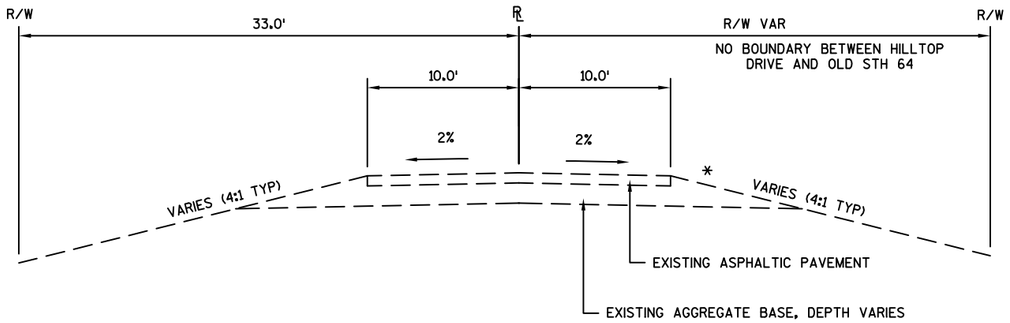


EXISTING TYPICAL SECTION
CTH E
STA 1100+00.00 - STA 1107+92.67

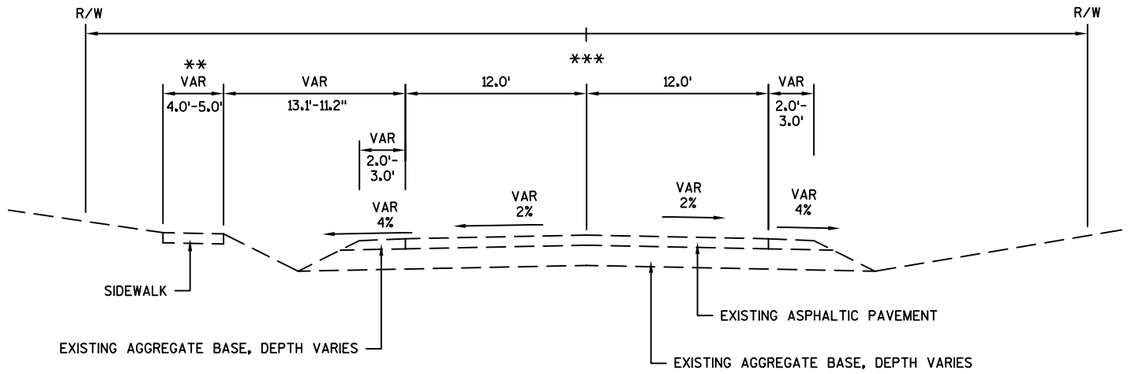


EXISTING TYPICAL SECTION
OLD 64
STA 1062+00 - STA 1082+52.81

PROJECT NO:8110-02-73	HWY:STH 64	COUNTY:ST. CROIX	EXISTING TYPICAL SECTIONS-STATE ST, RAINBOW ST, CTH E	SHEET	E



EXISTING TYPICAL SECTION
HILLTOP DRIVE
STA 1201+00.00 - STA 1208+50.63

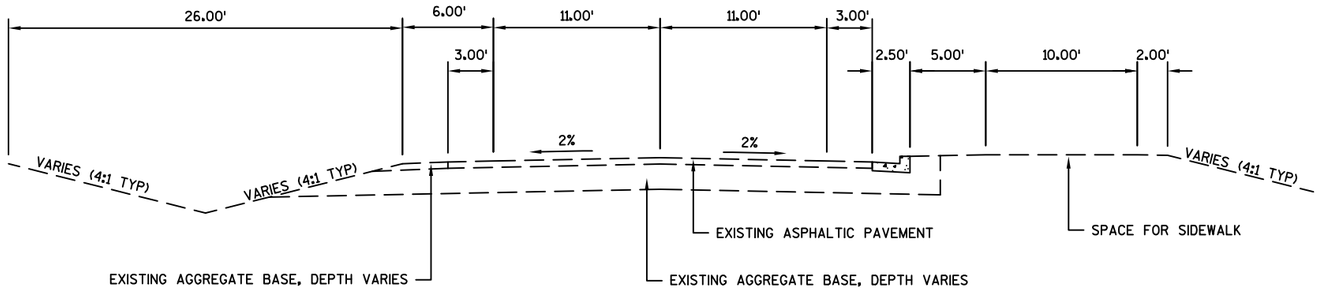


EXISTING TYPICAL SECTION
HOULTON SCHOOL CIRCLE
STA 500+00.00 - STA 519+33.69

* EXISTING GRASS EXTENDS TO PAVEMENT EDGE (TYP).

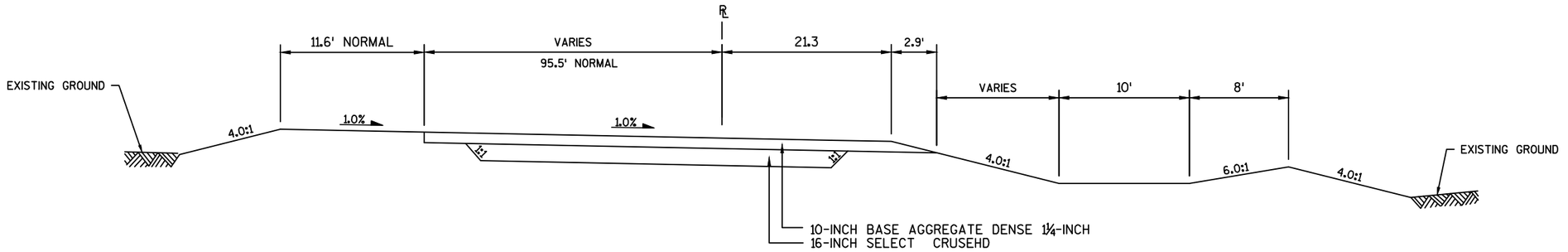
** NO SIDEWALK FROM STA 511+30 TO STA 519+33.69.

*** RIGHT OF WAY IS 66.0' FROM STA 500+00 TO STA 513+00 AND 74.0' FROM STA 513+00 TO STA 519+33.69.

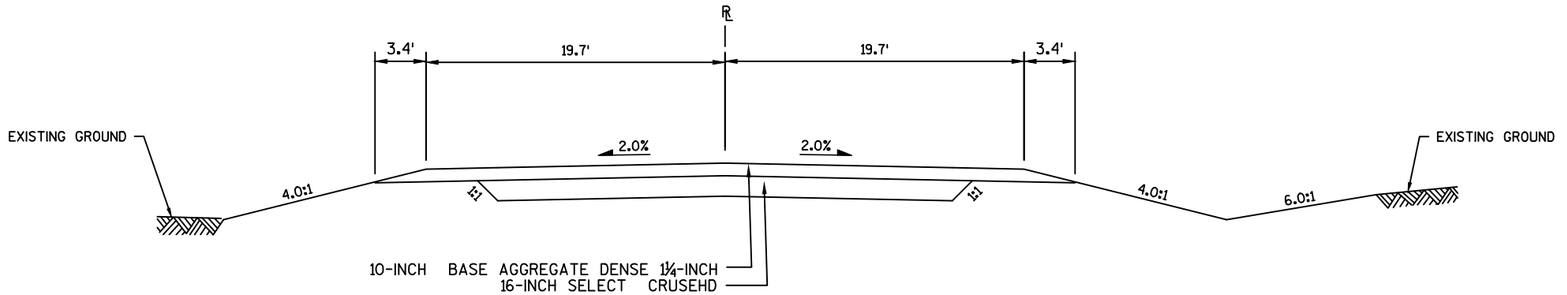


EXISTING TYPICAL SECTION
HAWK STREET
STA 10+59.62 - STA 18+28.99

2

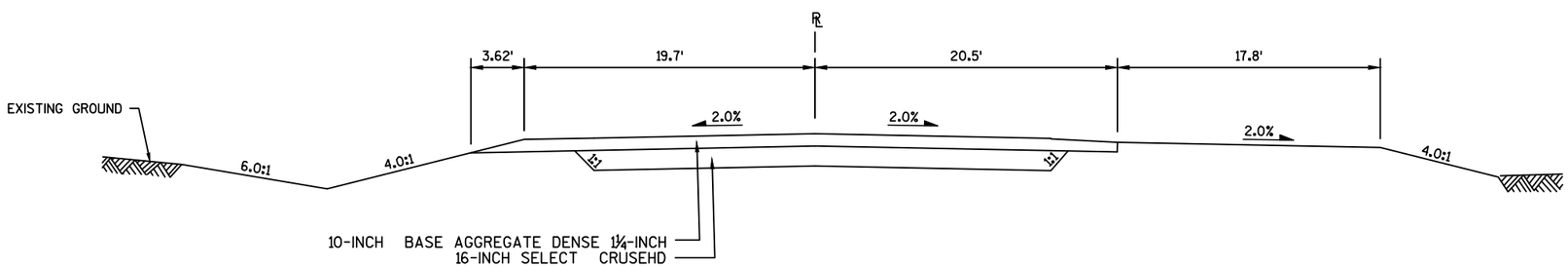


EXISTING TYPICAL SECTION
PARK AND RIDE
STA 50+50C TO STA 53+02C



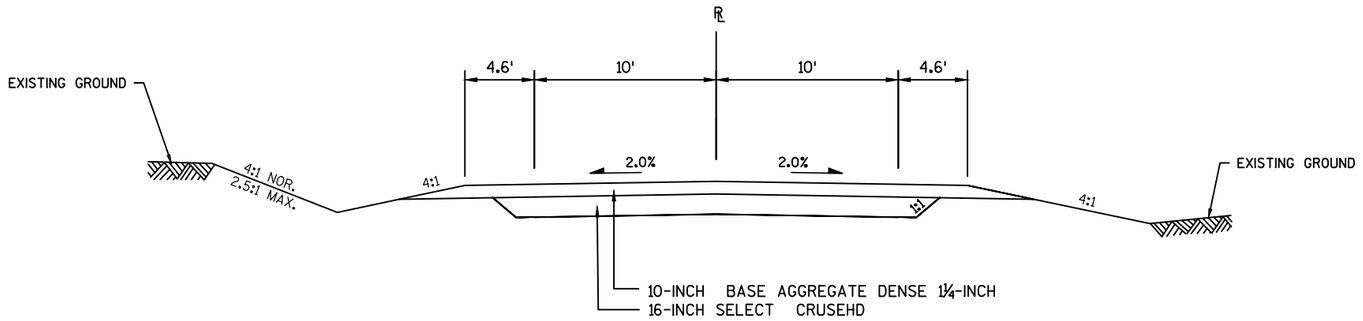
EXISTING TYPICAL SECTION
HAWK STREET SOUTH
STA 10+30A TO STA 12+40A

SNOW ROAD
*STA 20+00B TO STA 21+77B

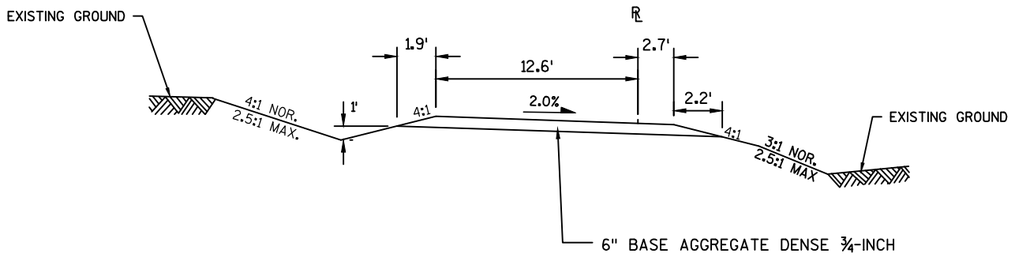


EXISTING TYPICAL SECTION
HAWK STREET SOUTH
STA 12+40A TO STA 14+30A

2



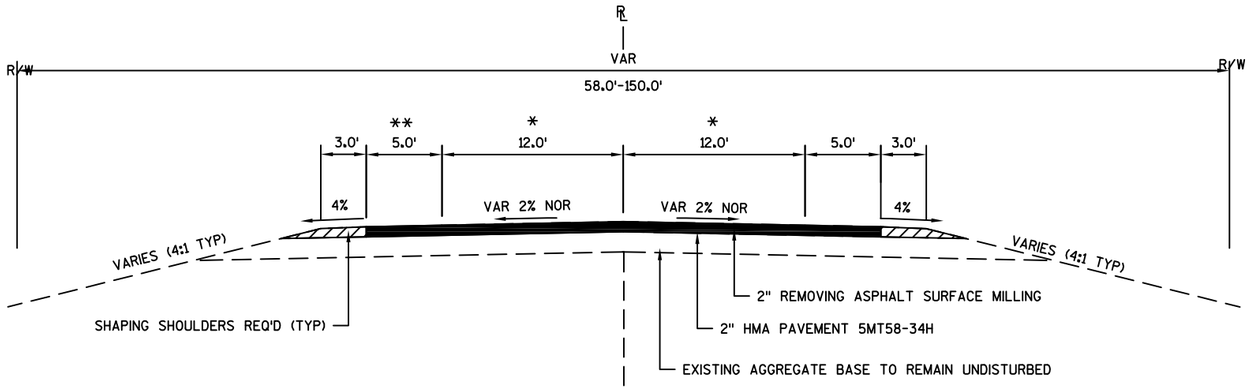
EXISTING TYPICAL SECTION
SNOW ROAD
STA 21+77'B' TO 26+00'B'



EXISTING TYPICAL SECTION
SHARED USE PATH
STA 101+17'D' TO STA 109+00'D'

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EXISTING TYPICAL SECTION	SHEET 9	E

2



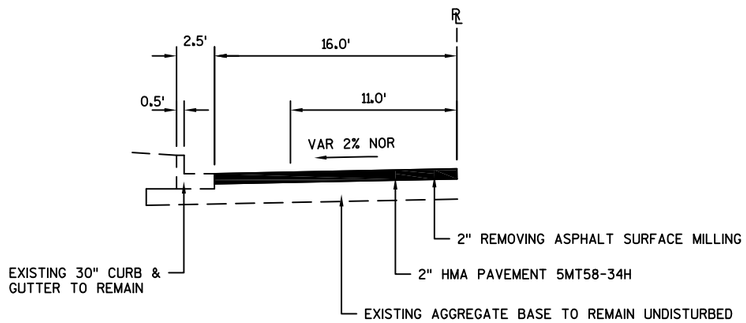
* LANE VARIES FROM 12.0' TO 11.0' FROM STA 2006+00 TO STA 2007+25.76.

** SAWCUT REQ'D. REMOVE EXCESS PAVED SHOULDER.

FINISHED TYPICAL SECTION

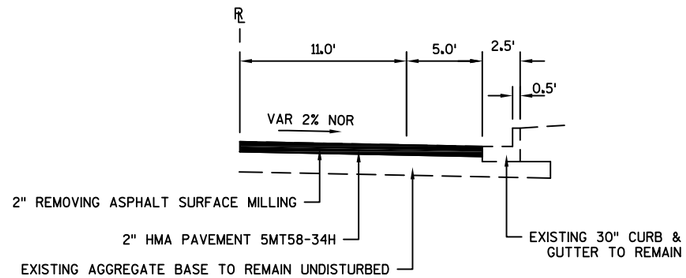
MAIN STREET (OLD STH 35)

STA 2004+01.34 - STA 2007+25.76



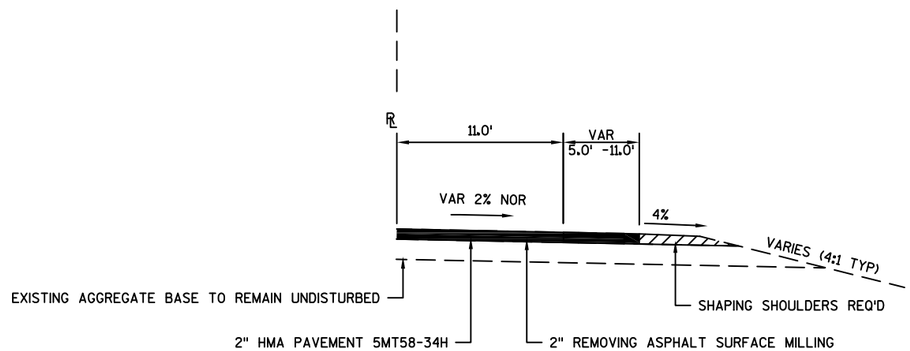
MAIN STREET (OLD STH 35)

STA 2007+25.76 - STA 2015+75.00



MAIN STREET (OLD STH 35)

STA 2007+25.76 - STA 2012+25.00



MAIN STREET (OLD STH 35)

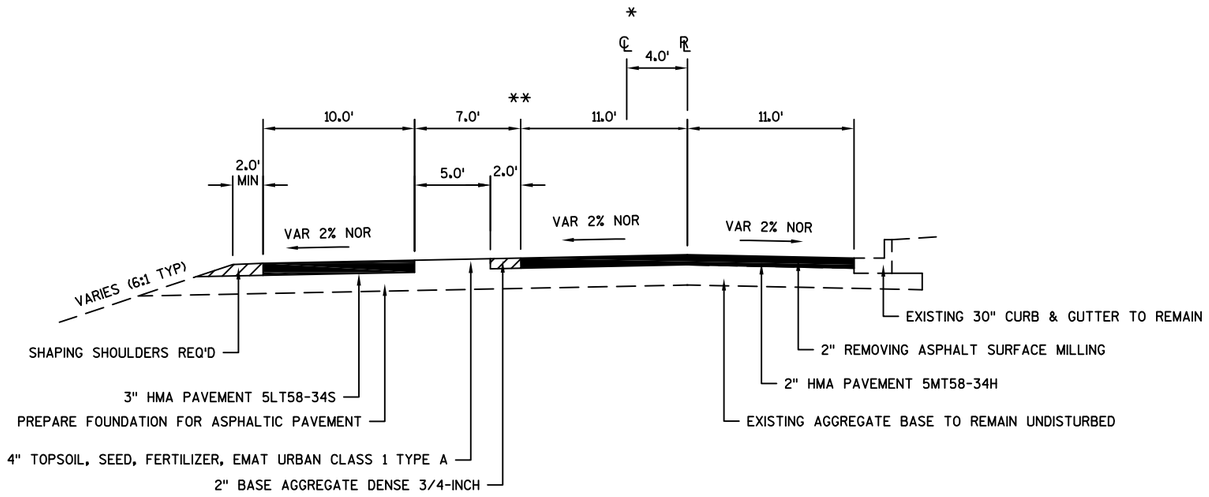
STA 2012+25.00 - STA 2015+75.00

PROJECT NO:8110-02-73	HWY:STH 64	COUNTY:ST. CROIX	FINISHED TYPICAL SECTIONS-MAIN ST (OLD STH 35/64)	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\020300_TS.DWG
LAYOUT NAME - 07
PLOT DATE : 11/22/2017 8:36 AM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

* NEW CENTERLINE SHIFTED 4-FEET EAST. ASPHALT WEDGING REQ'D.

** SAWCUT REQ'D. REMOVE EXCESS PAVED SHOULDER, LT.

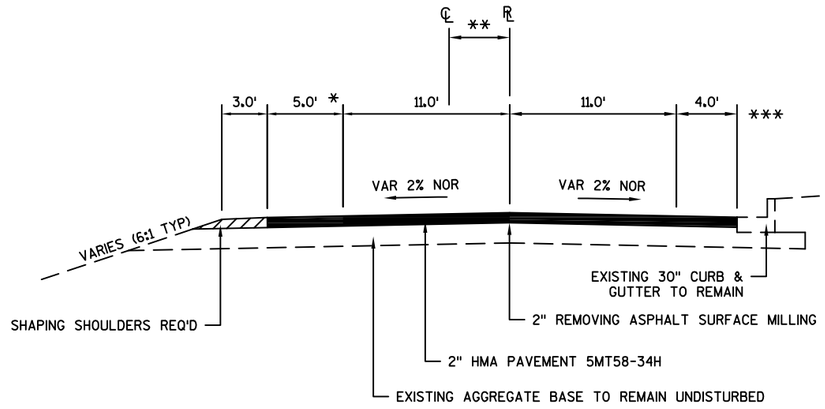


FINISHED TYPICAL SECTION
MAIN STREET (OLD STH 35)
STA 2015+75.00 - STA 2024+59.15

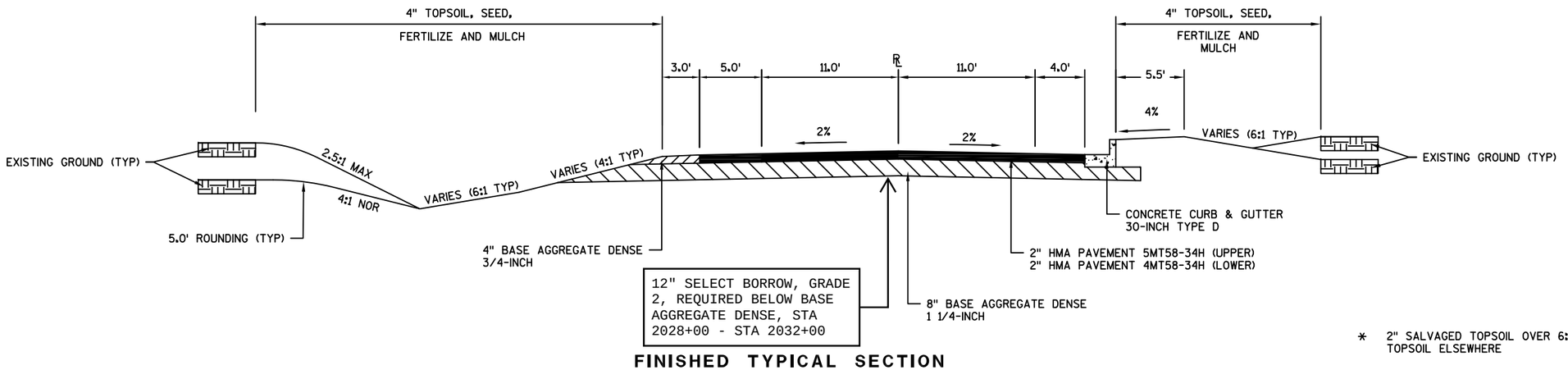
* PAVED SHOULDER VARIES FROM 0.0' TO 5.0' FROM STA 2024+59 TO STA 2025+52.

** NEW CENTERLINE SHIFTS BACK TO EXISTING CENTERLINE FROM 4.0' TO 0.0'.

*** PAVED CURB SHOULDER VARIES FROM 0.0' TO 4.0' FROM STA 2024+59 TO STA 2025+52.



FINISHED TYPICAL SECTION
MAIN STREET (OLD STH 35)
STA 2024+59.15 - STA 2027+44.76

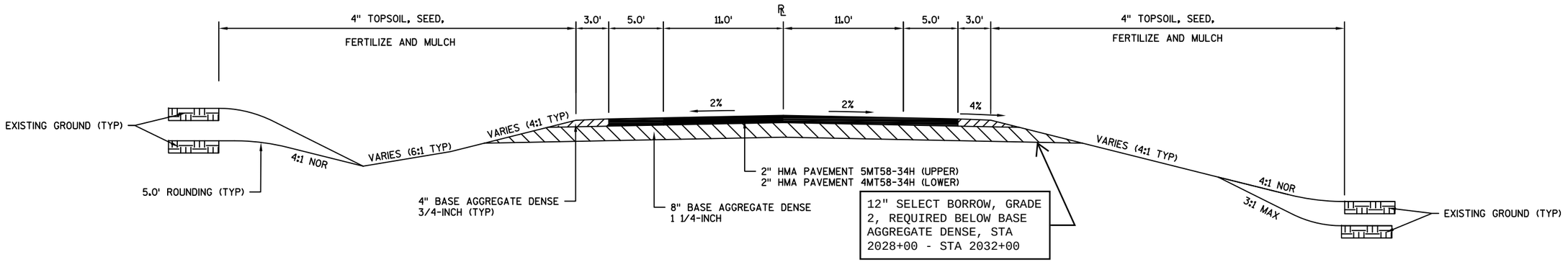


* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

FINISHED TYPICAL SECTION
MAIN STREET (OLD STH 35/64)
STA 2027+44.76 - STA 2029+30.00

PROJECT NO:8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	FINISHED TYPICAL SECTIONS-MAIN ST (OLD STH 35/64)	SHEET	E

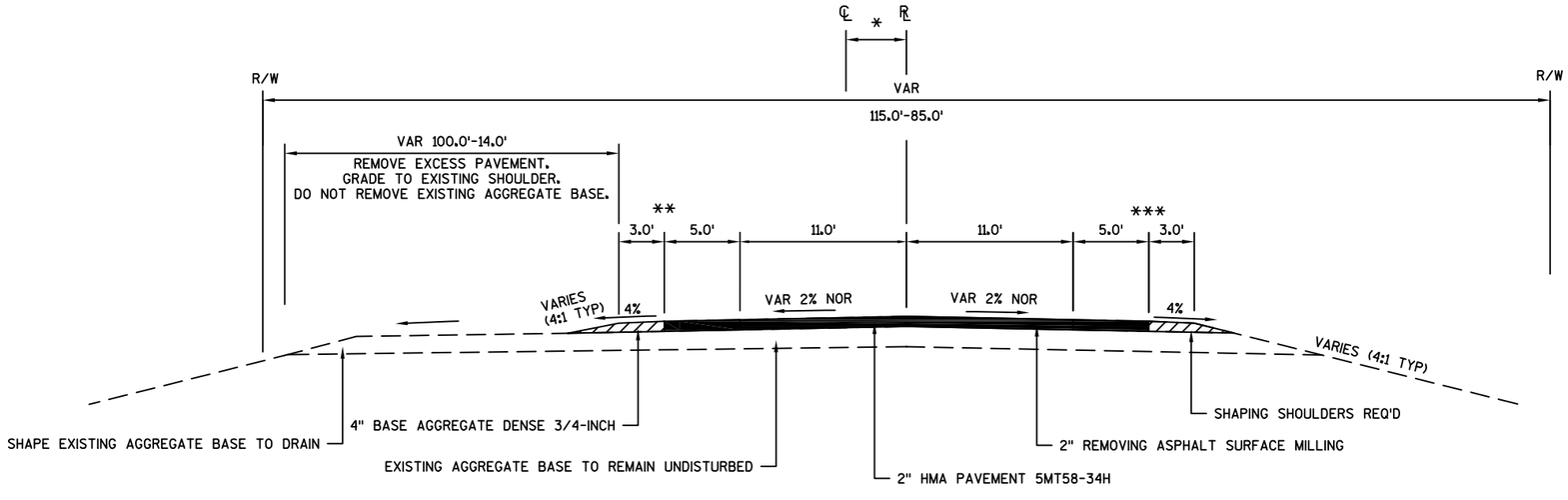
2



FINISHED TYPICAL SECTION
MAIN STREET (OLD STH 35/64)

STA 2029.30 - STA 2034+50.00

* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE



FINISHED TYPICAL SECTION
MAIN STREET (OLD STH 35/64)

STA 2034+50.00 - STA 2045+00.00

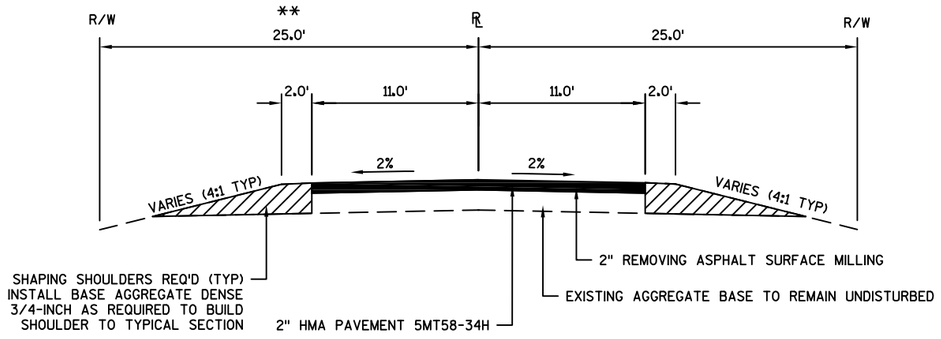
* NEW CENTERLINE SHIFTED 7-FEET EAST. ASPHALT WEDGING REQ'D.

** SAWCUT REQ'D. REMOVE EXCESS PAVEMENT AND PAVED SHOULDER.

*** MAINTAIN EXISTING EDGE OF PAVED SHOULDER AS EDGE OF NEW PAVED SHOULDER.

2

** SAWCUT REQ'D. SEE PLAN SHEET. REMOVE EXCESS PAVEMENT.



FINISHED TYPICAL SECTION

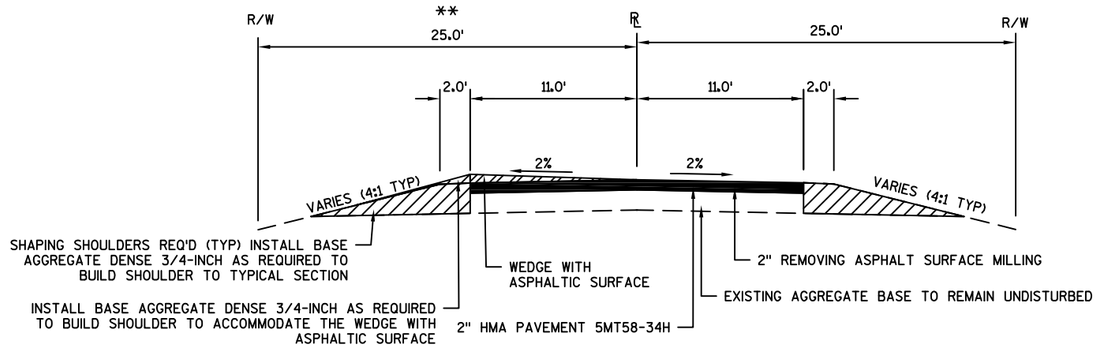
STATE STREET

STA 0+77.12 - STA 1+66.63
STA 2+43.07 - STA 7+24.15

RAINBOW STREET

STA 0+71.34 - STA 1+61.34

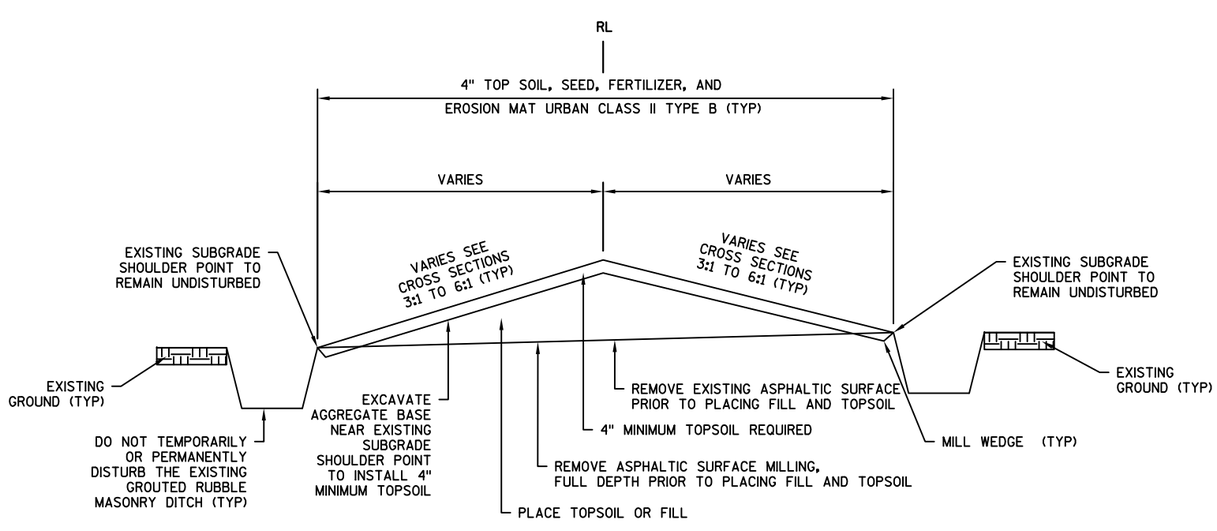
** SAWCUT REQ'D. SEE PLAN SHEET. REMOVE EXCESS PAVEMENT.



FINISHED TYPICAL SECTION

STATE STREET

STA 1+66.64 - STA 2+43.08



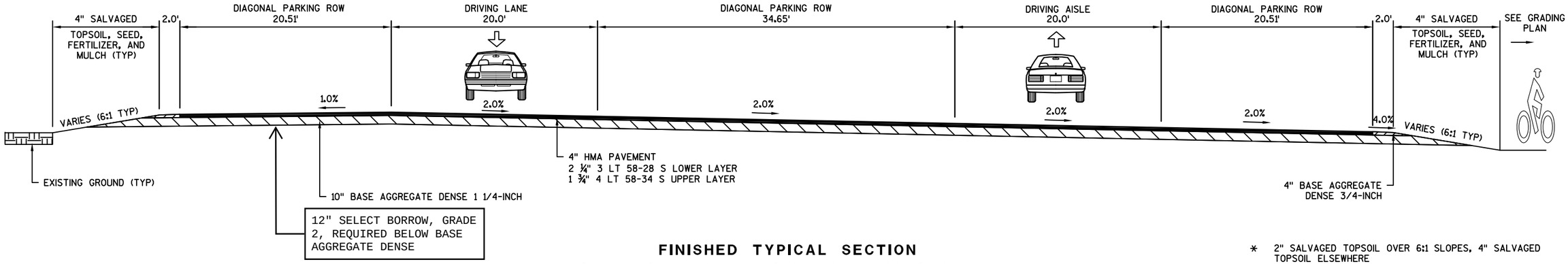
FINISHED TYPICAL SECTION

OLD CTH E HILL

STA 1100+37.50 - STA 1107+50.00

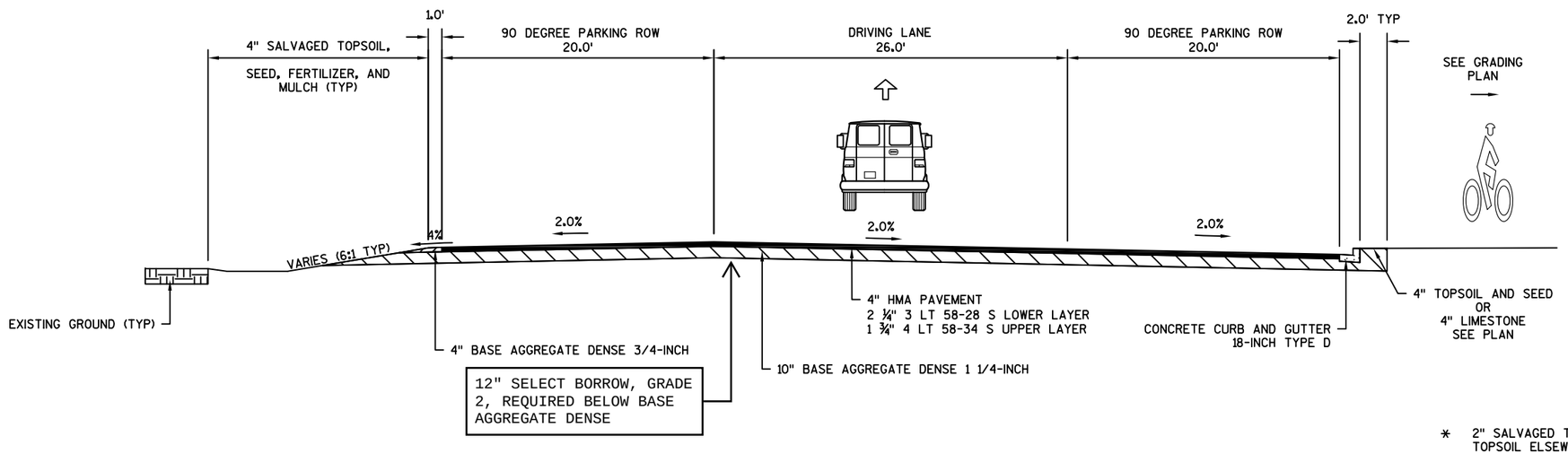
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	FINISHED TYPICAL SECTIONS-STATE ST, RAINBOW ST, CTH E	SHEET	E

2



FINISHED TYPICAL SECTION
MAIN TRAILHEAD PARKING LOT (LOOKING EAST)

* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

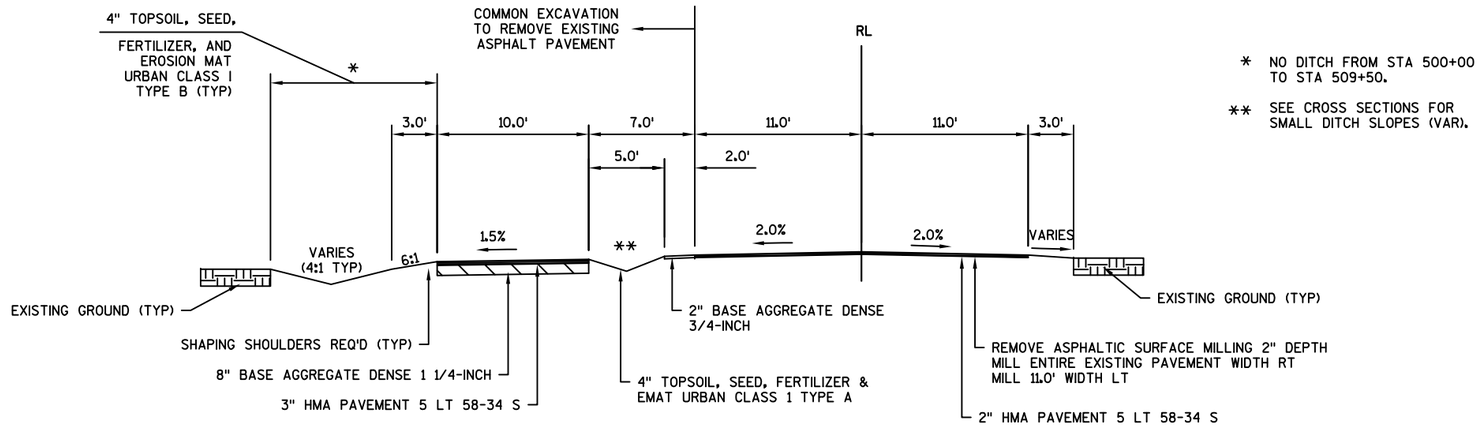


* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

FINISHED TYPICAL SECTION
HILLTOP DRIVE PARKING AREA (LOOKING NORTH)

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	FINISHED TYPICAL SECTIONS-PARKING AREAS	SHEET	E

2



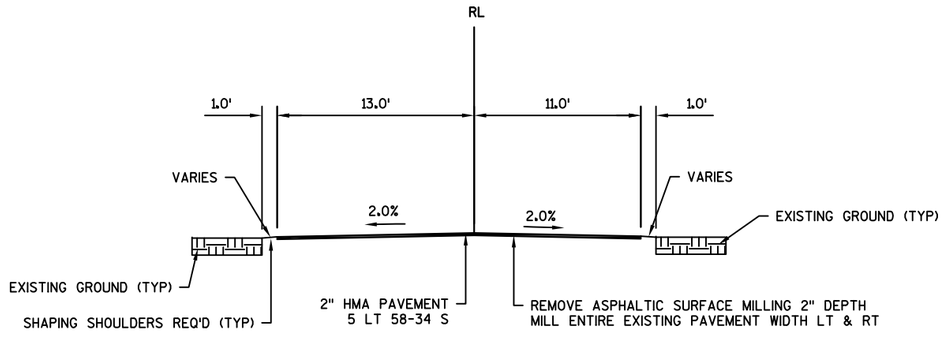
* NO DITCH FROM STA 500+00 TO STA 509+50.

** SEE CROSS SECTIONS FOR SMALL DITCH SLOPES (VAR).

FINISHED TYPICAL SECTION
HOULTON SCHOOL CIRCLE

STA 500+52.50 - STA 513+87.00

* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

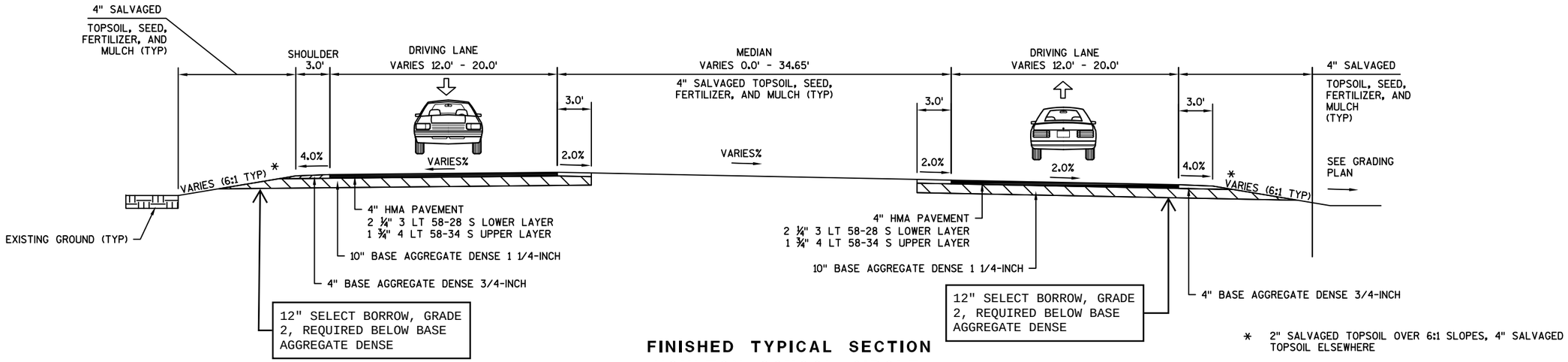


FINISHED TYPICAL SECTION
HOULTON SCHOOL CIRCLE

STA 513+87.00 - STA 519+33.69

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	FINISHED TYPICAL SECTION-HOULTON SCHOOL CIRCLE	SHEET	E

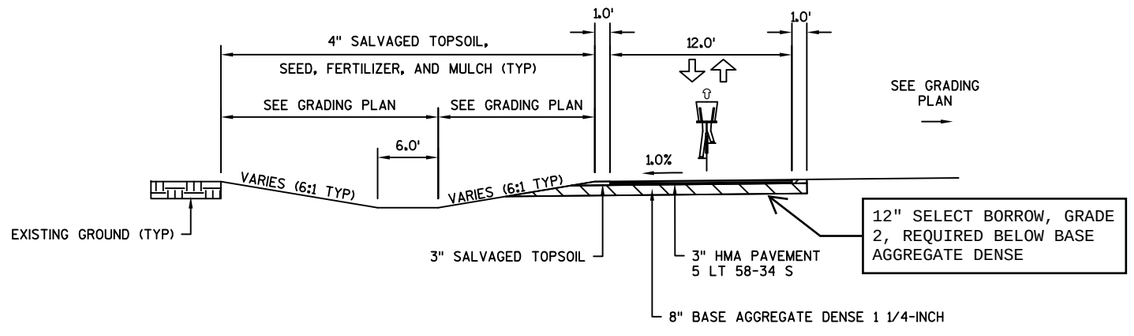
2



FINISHED TYPICAL SECTION
HOULTON SCHOOL CIRCLE

STA 519+33 - STA 520+75

* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

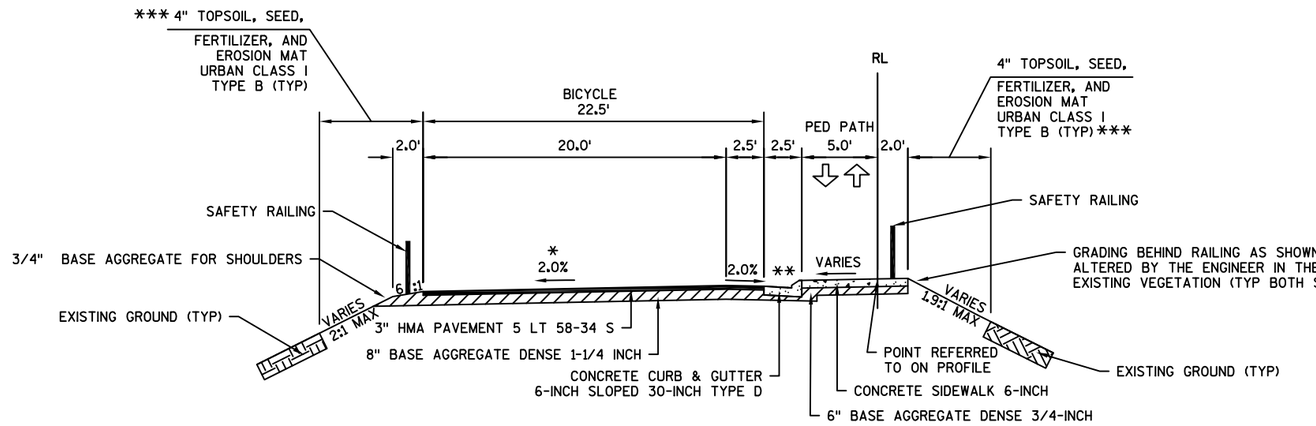


FINISHED TYPICAL SECTION
SHARED USE PATH MAIN TRAILHEAD

STA 183+59 - STA 192+23

* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

2



* TRANSITION FROM EXISTING BRIDE WALK SLOPE AT STA 1050+00.00 TO 2.0% SLOPE AWAY FROM THE CURB AND GUTTER AT STA 1050+00.00 - STA 1050+09.00

** TAPER CURB AND GUTTER FROM FULL HEAD TO NO HEAD STA 1050+00.00 - 1050+09.00

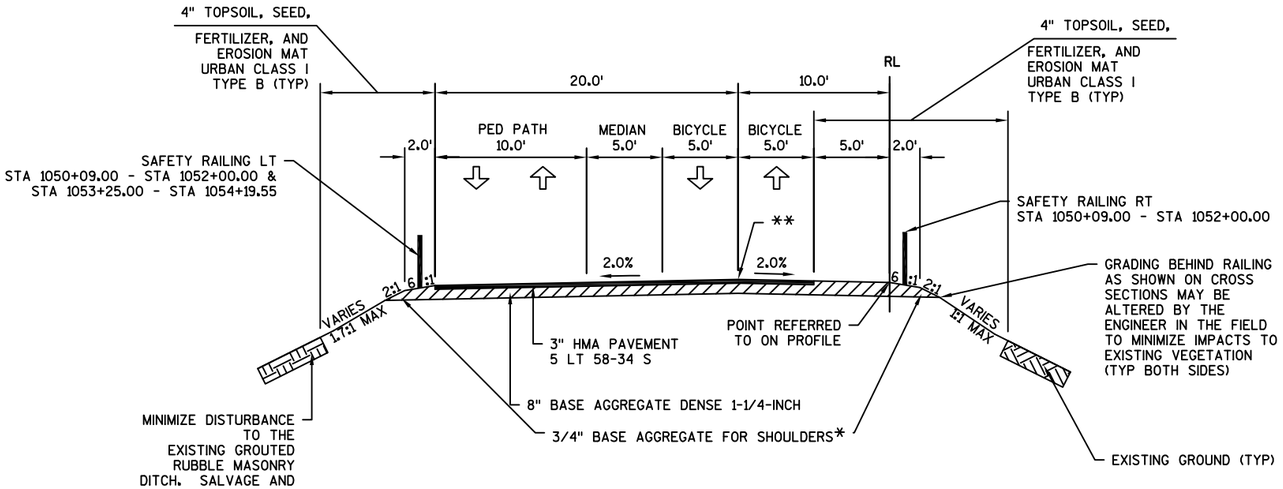
*** 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

PRIOR TO PLACING AGGREGATE BASE, REMOVE ASPHALTIC SURFACE MILLING, FULL DEPTH

EXISTING GRAVEL BASE MAY BE LEFT IN PLACE IN AREAS WITH MINIMAL CUT AND MAY BE USED AS PARTIAL THICKNESS IN AREAS OF FILL. EXISTING GRAVEL TO REMAIN IN AREAS DIRECTED BY THE ENGINEER IN THE FIELD.

FINISHED TYPICAL SECTION
OLD STH 64 MULTI-USE PATH

STA 1050+00.00 - STA 1054+19.55



* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

** CROWN LOCATION SHIFTS FROM 10.0' LT AT STA 1057+50.00 TO 15.0' LT AT STA 1058+00.00

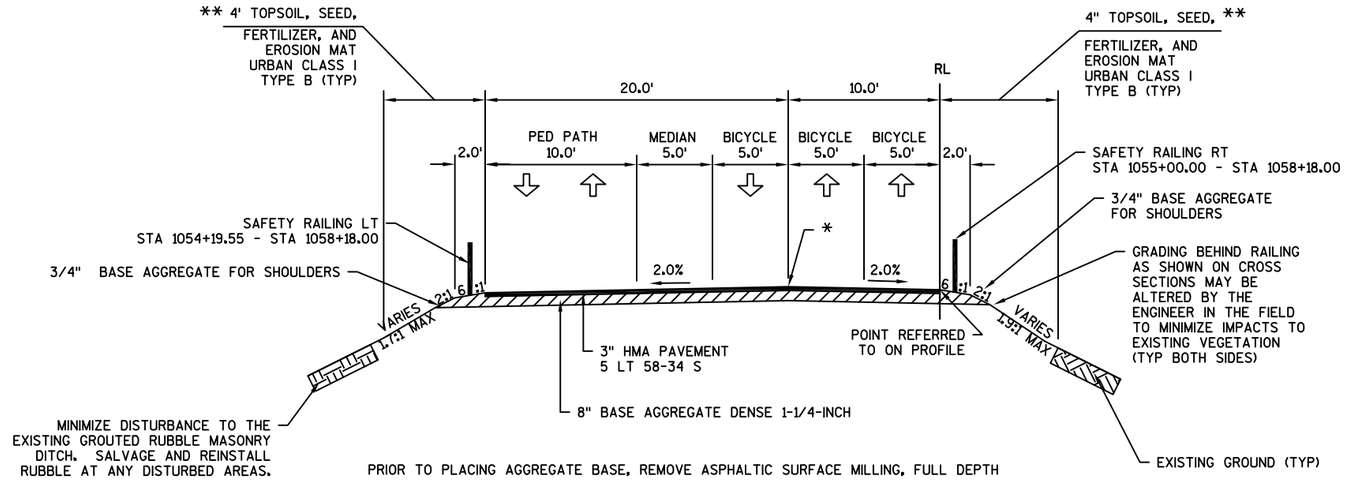
PRIOR TO PLACING AGGREGATE BASE, REMOVE ASPHALTIC SURFACE MILLING, FULL DEPTH

EXISTING GRAVEL BASE MAY BE LEFT IN PLACE IN AREAS WITH MINIMAL CUT AND MAY BE USED AS PARTIAL THICKNESS IN AREAS OF FILL. EXISTING GRAVEL TO REMAIN IN AREAS DIRECTED BY THE ENGINEER IN THE FIELD.

FINISHED TYPICAL SECTION
OLD STH 64 MULTI-USE PATH

STA 1050+09.00 - STA 1054+19.55

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	FINISHED TYPICAL SECTIONS-MULTI USE PATH	SHEET	E



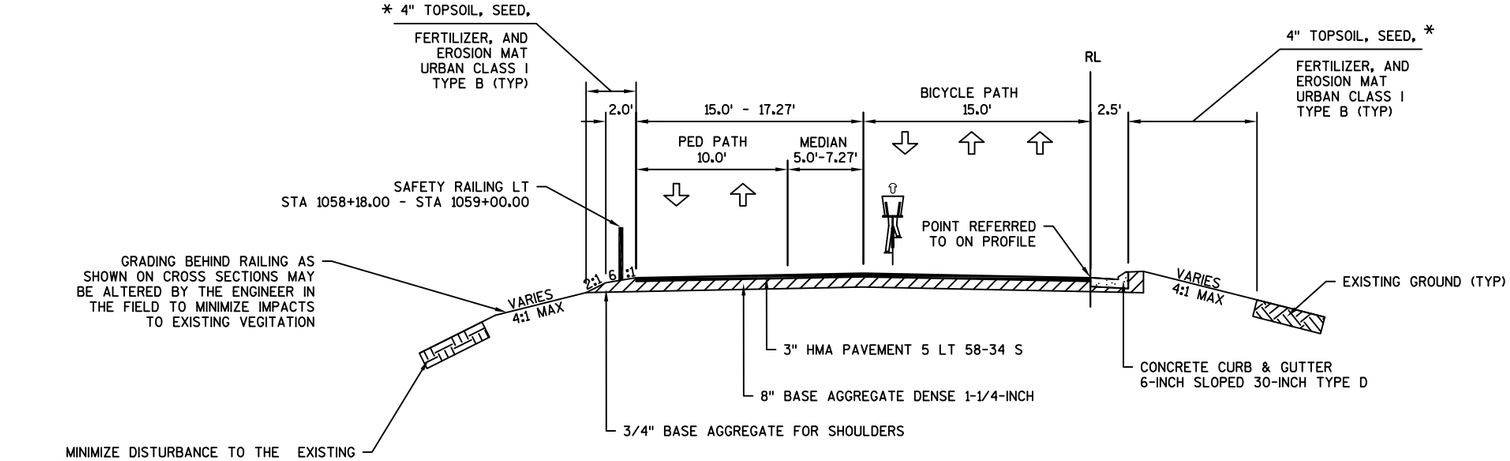
PRIOR TO PLACING AGGREGATE BASE, REMOVE ASPHALTIC SURFACE MILLING, FULL DEPTH

EXISTING GRAVEL BASE MAY BE LEFT IN PLACE IN AREAS WITH MINIMAL CUT AND MAY BE USED AS PARTIAL THICKNESS IN AREAS OF FILL. EXISTING GRAVEL TO REMAIN IN AREAS DIRECTED BY THE ENGINEER IN THE FIELD.

FINISHED TYPICAL SECTION
OLD STH 64 MULTI-USE PATH

STA 1054+19.55 - STA 1058+18.00

* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE



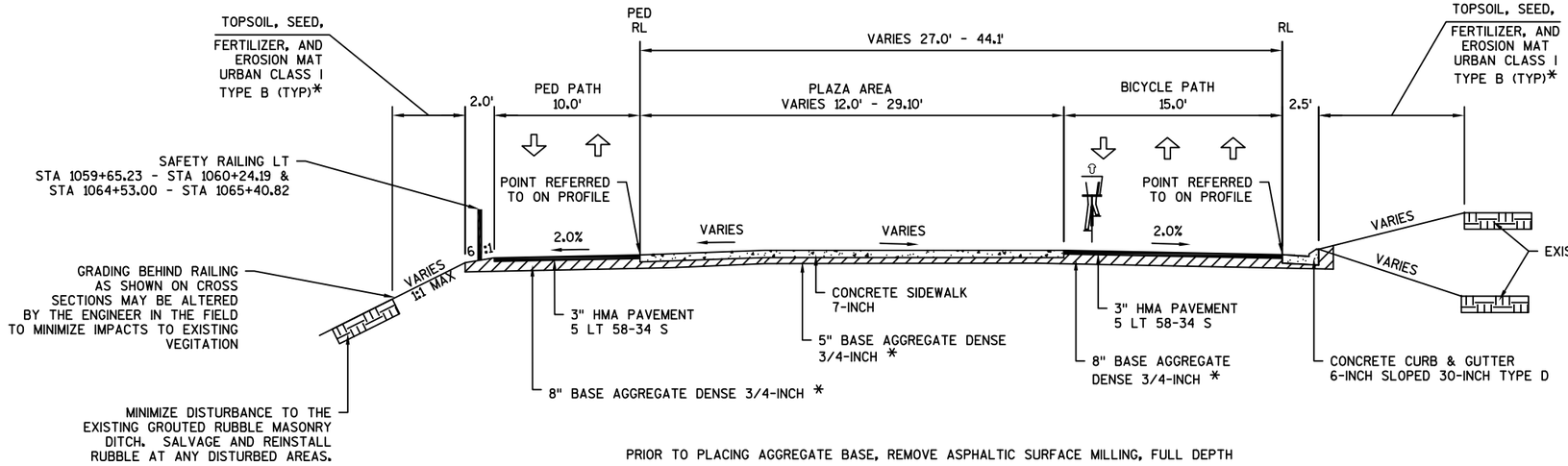
PRIOR TO PLACING AGGREGATE BASE, REMOVE ASPHALTIC SURFACE MILLING, FULL DEPTH

EXISTING GRAVEL BASE MAY BE LEFT IN PLACE IN AREAS WITH MINIMAL CUT AND MAY BE USED AS PARTIAL THICKNESS IN AREAS OF FILL. EXISTING GRAVEL TO REMAIN IN AREAS DIRECTED BY THE ENGINEER IN THE FIELD.

FINISHED TYPICAL SECTION
OLD STH 64 MULTI-USE PATH

STA 1058+18.00 - STA 1059+00.00

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	FINISHED TYPICAL SECTIONS-MULTI USE PATH	SHEET	E



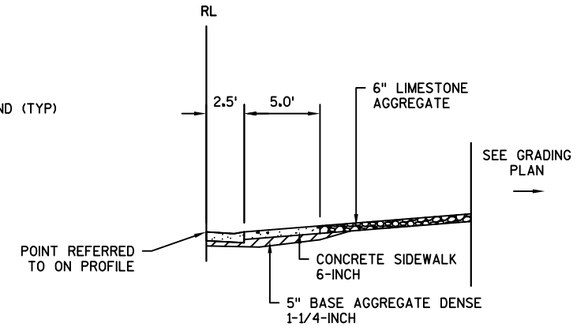
* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

PRIOR TO PLACING AGGREGATE BASE, REMOVE ASPHALTIC SURFACE MILLING, FULL DEPTH

EXISTING GRAVEL BASE MAY BE LEFT IN PLACE IN AREAS WITH MINIMAL CUT AND MAY BE USED AS PARTIAL THICKNESS IN AREAS OF FILL. EXISTING GRAVEL TO REMAIN IN AREAS DIRECTED BY THE ENGINEER IN THE FIELD.

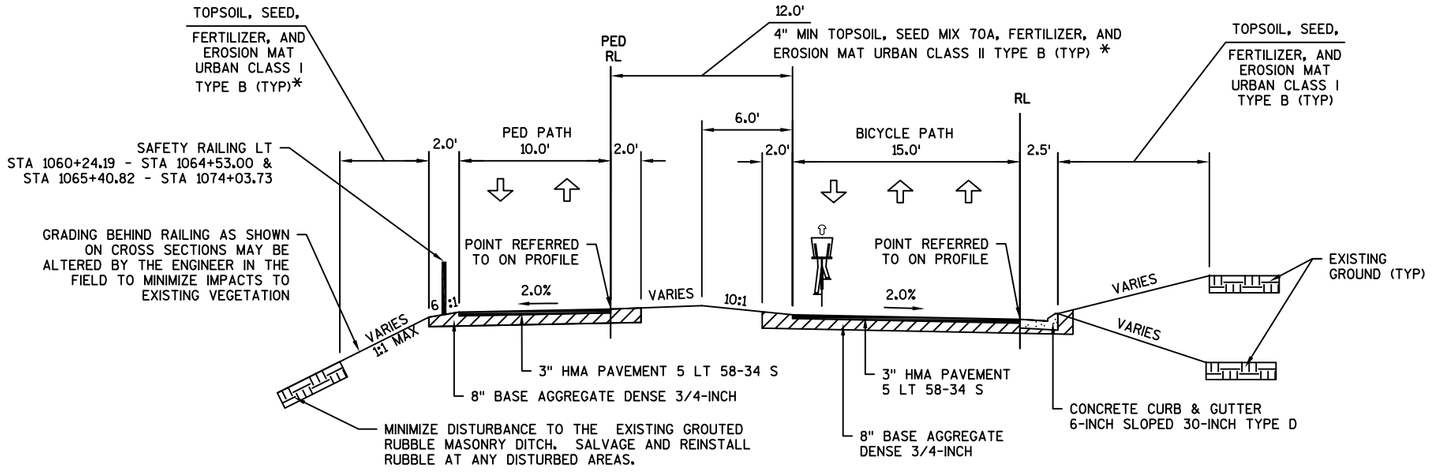
FINISHED TYPICAL SECTION
OLD STH 64 MULTI-USE PATH

STA 1059+00.00 - STA 1060+24.19
STA 1064+53.00 - STA 1065+40.82



WELCOME TO WISCONSIN SIGN PATH RT

STA 1067+74.90 - STA 1064+88.90



* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

PRIOR TO PLACING AGGREGATE BASE, REMOVE ASPHALTIC SURFACE MILLING, FULL DEPTH

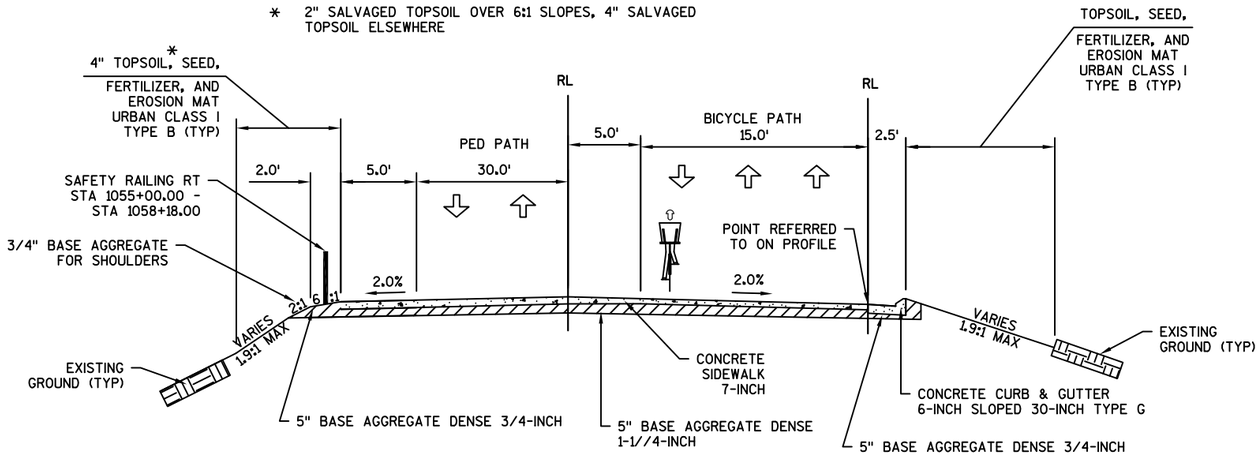
EXISTING GRAVEL BASE MAY BE LEFT IN PLACE IN AREAS WITH MINIMAL CUT AND MAY BE USED AS PARTIAL THICKNESS IN AREAS OF FILL. EXISTING GRAVEL TO REMAIN IN AREAS DIRECTED BY THE ENGINEER IN THE FIELD.

FINISHED TYPICAL SECTION
OLD STH 64 MULTI-USE PATH
EXCLUDING INTERMITTENT REST AREAS

STA 1060+24.19 - STA 1064+53.00
STA 1065+40.82 - STA 1079+55.92

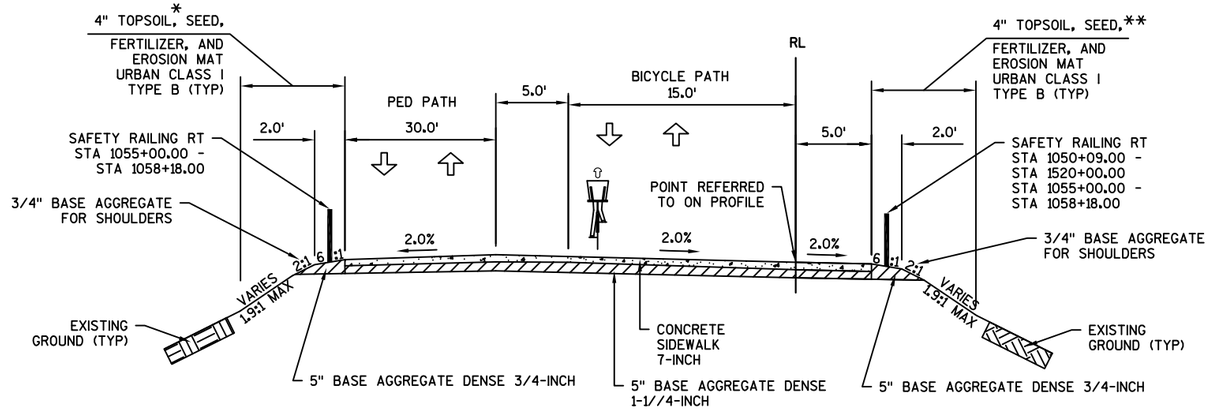
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	FINISHED TYPICAL SECTIONS-MULTI USE PATH	SHEET	E

2



INTERMITTENT REST AREA PED/BIKE LT

STA 1050+95.34 - STA 1051+15.34



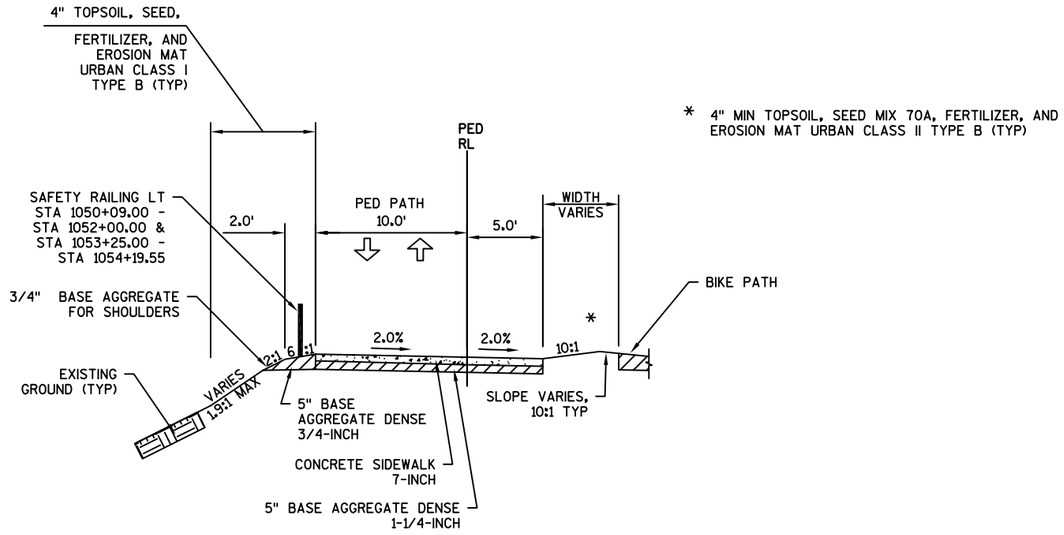
* CROWN LOCATION SHIFTS FROM 10.0' LT AT STA 1057+50.00 TO 15.0' LT AT STA 1058+00.00

** 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

INTERMITTENT REST AREAS BIKE/PED RT

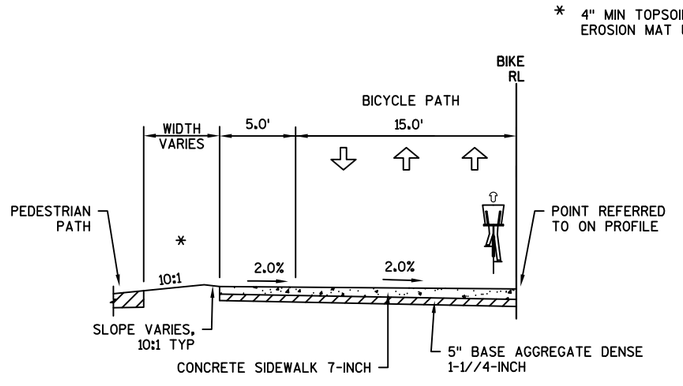
STA 1051+85.04 - STA 1052+05.04
STA 1054+09.58 - STA 1054+19.58
STA 1056+19.09 - STA 1056+29.09
STA 1057+99.95 - STA 1058+09.95

2



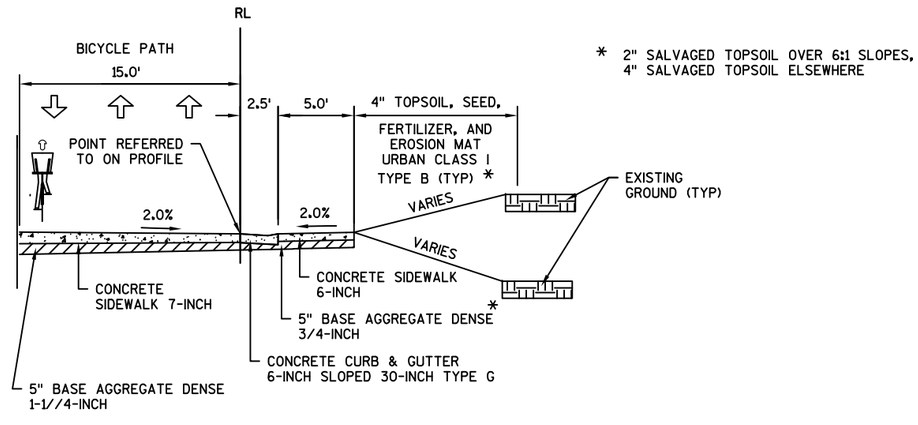
INTERMITTENT REST AREAS PED RT

STA 1062+20.33 - STA 1062+30.33
STA 1064+30.62 - STA 1064+40.62
STA 1067+44.31 - STA 1067+54.31
STA 1069+54.49 - STA 1069+64.49
STA 1071+64.72 - STA 1071+74.72
STA 1073+75.00 - STA 1073+85.00



INTERMITTENT REST AREAS BICYCLE LT

STA 1069+23.14 - STA 1069+33.14
STA 1071+33.18 - STA 1071+43.18
STA 1073+43.18 - STA 1073+53.18

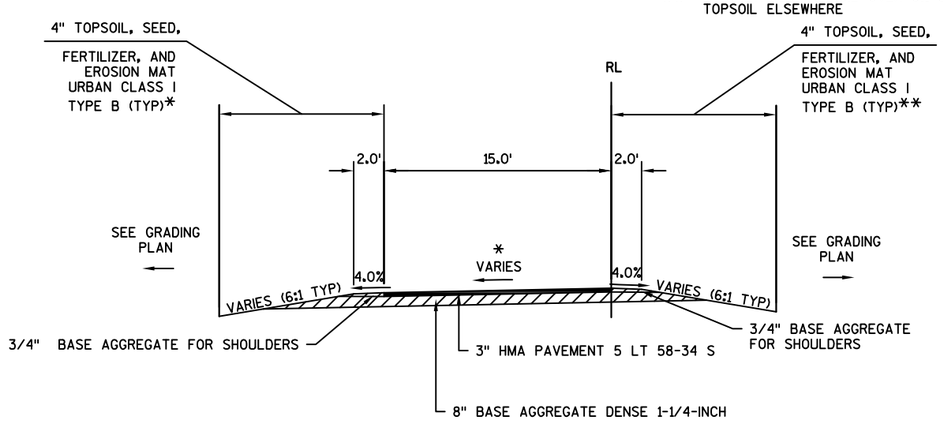


INTERMITTENT REST AREAS BICYCLE RT

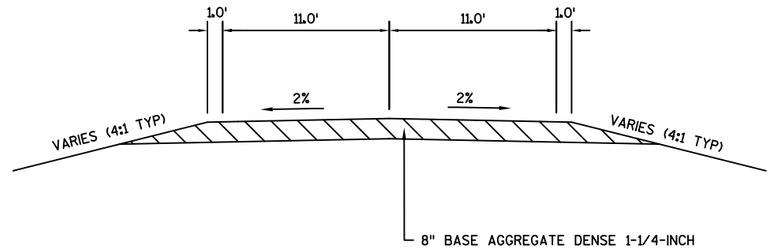
STA 1060+09.95 - STA 1060+19.95
STA 1062+19.93 - STA 1062+29.93
STA 1064+12.29 - STA 1064+22.29
STA 1067+29.61 - STA 1067+39.61

* STA 1079+53.92 - STA 1080+00.00 2% CROSS SLOPE (DRAINS TO RT)
STA 1080+00.00 - STA 1080+50.00 TRANSITION 2.0% CROSS SLOPE TO -2.0 % CROSS SLOPE
STA 1080+50.00 - STA 1082+52.81 -2.0% CROSS SLOPE (DRAINS TO LT)

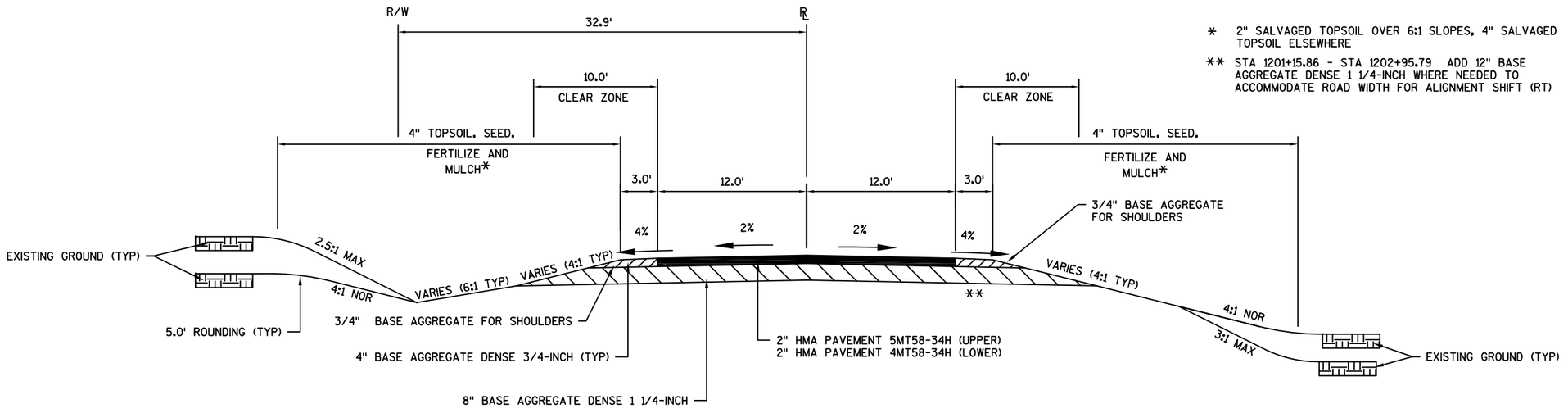
** 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE



FINISHED TYPICAL SECTION
OLD STH 64 MULTI-USE PATH
STA 1079+55.92 - STA 1082+52.81



FINISHED TYPICAL SECTION
HILLTOP DRIVE TEMPORARY BYPASS
STA 00+00 - STA 14+88.91



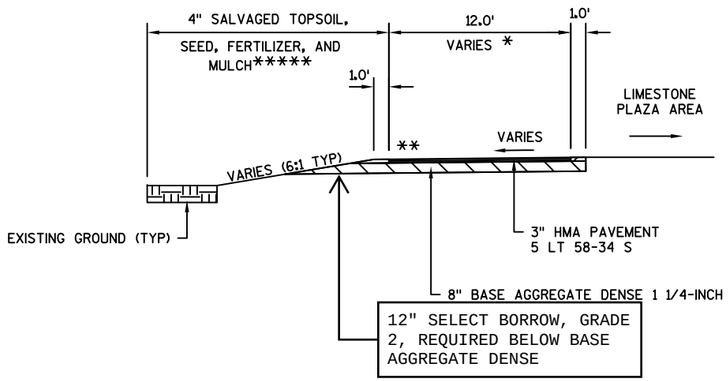
* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

** STA 1201+15.86 - STA 1202+95.79 ADD 12" BASE AGGREGATE DENSE 1 1/4-INCH WHERE NEEDED TO ACCOMMODATE ROAD WIDTH FOR ALIGNMENT SHIFT (RT)

FINISHED TYPICAL SECTION
HILLTOP DRIVE
STA 1201+00.00 - STA 1208+50.63

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	FINISHED TYPICAL SECTIONS-TRAILHEAD SIDE PATHS	SHEET	E

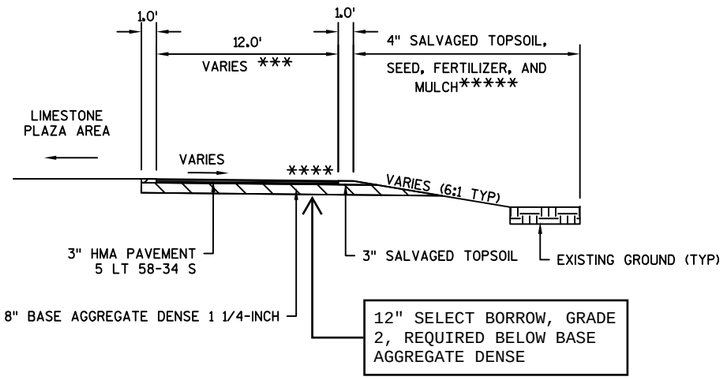
2



FINISHED TYPICAL SECTION

HILLTOP TRAILHEAD SIDE TRAIL (EAST)

STA 00+18.76 - STA 00+92.13



FINISHED TYPICAL SECTION

HILLTOP TRAILHEAD SIDE TRAIL (WEST)

STA 00+18.76 - STA 00+92.13

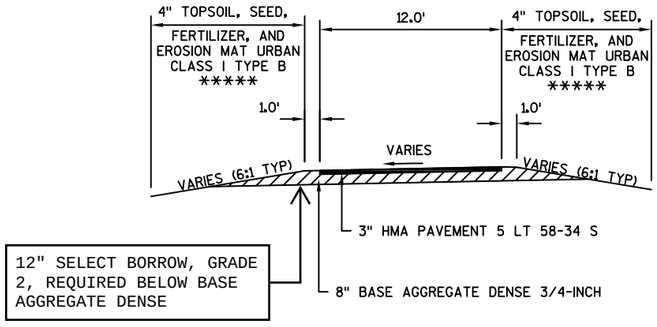
* CONCRETE PLAZA AREA NO SHOULDER STA 00+28.86 - 00+70.32

** PAVEMENT BUMPOUT STA 00+46.18 - 00+66.96

*** CONCRETE PLAZA AREA NO SHOULDER STA 00+27.93 - 00+69.61

**** PAVEMENT BUMPOUT STA 00+71.11 - 00+99.84

***** 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

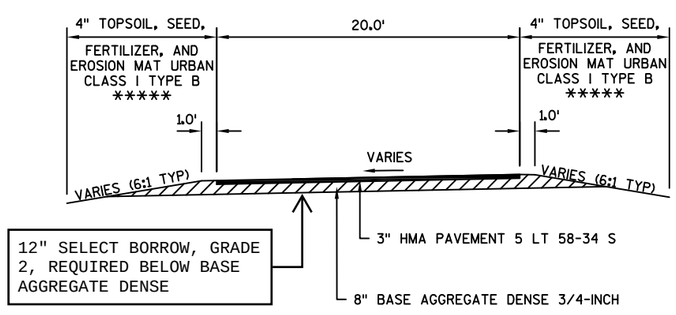


FINISHED TYPICAL SECTION

MAIN TRAILHEAD SIDE TRAIL (N/S)

STA 00+00 - STA 1+36.12

* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE



FINISHED TYPICAL SECTION

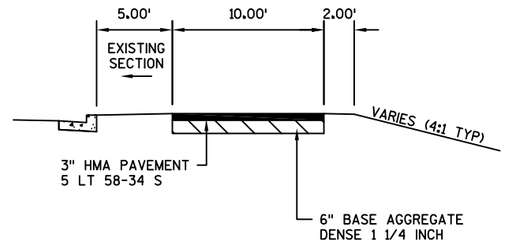
MAIN TRAILHEAD SIDE TRAIL (N/S)

STA 1+99.60 - STA 2+88.10

MAIN TRAILHEAD SIDE TRAIL (E/W)

STA 00+08.04 - STA 1+28.59

* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE



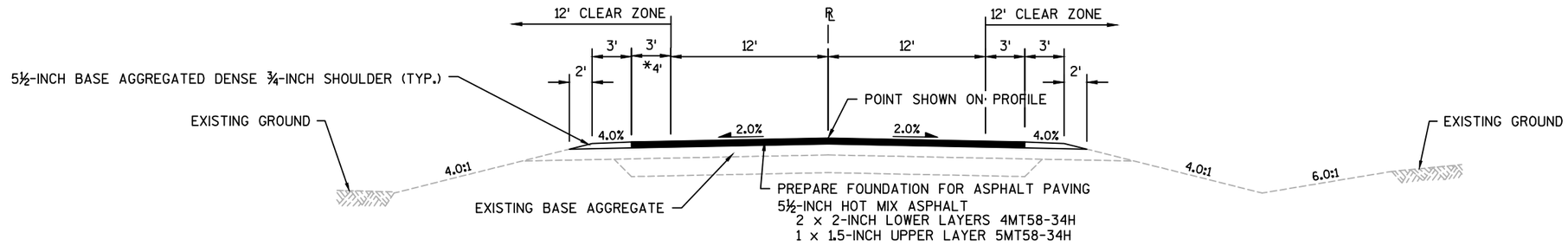
FINISHED TYPICAL SECTION

HAWK STREET

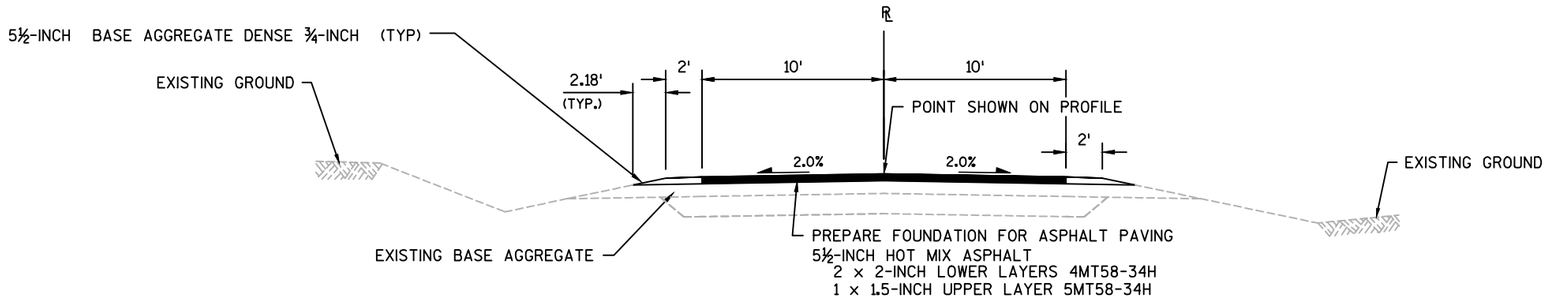
STA 10+59.62 - STA 18+28.99

* 2" SALVAGED TOPSOIL OVER 6:1 SLOPES, 4" SALVAGED TOPSOIL ELSEWHERE

2



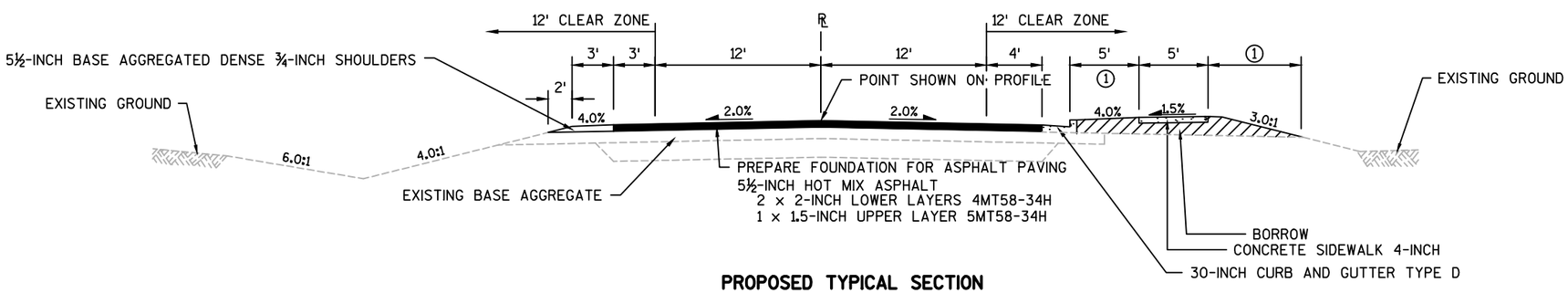
PROPOSED TYPICAL SECTION
HAWK STREET SOUTH
STA 10+30A TO STA 12+40A
SNOW ROAD
*STA 20+00B TO STA 21+77B



LEGEND

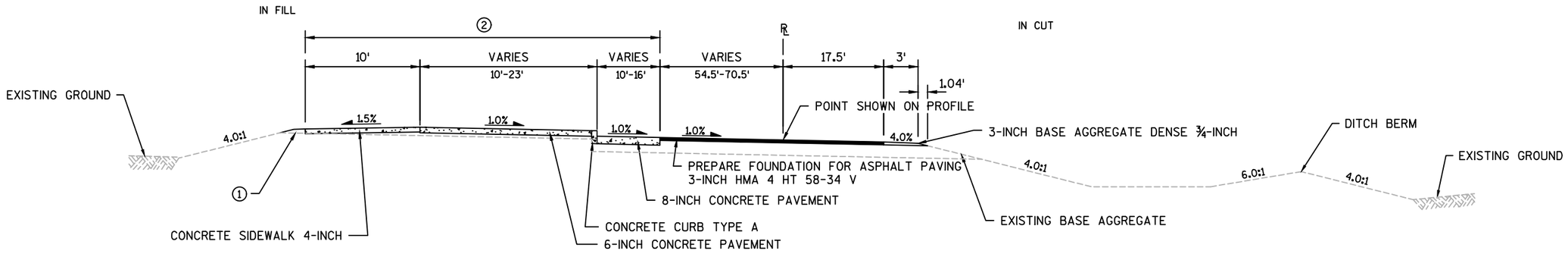
① TOPSOIL, FERTILIZER TYPE B, SEED NO 30, EROSION MAT CLASS I TYPE A

PROPOSED TYPICAL SECTION
SNOW ROAD
STA 21+77'B' TO 26+00'B'

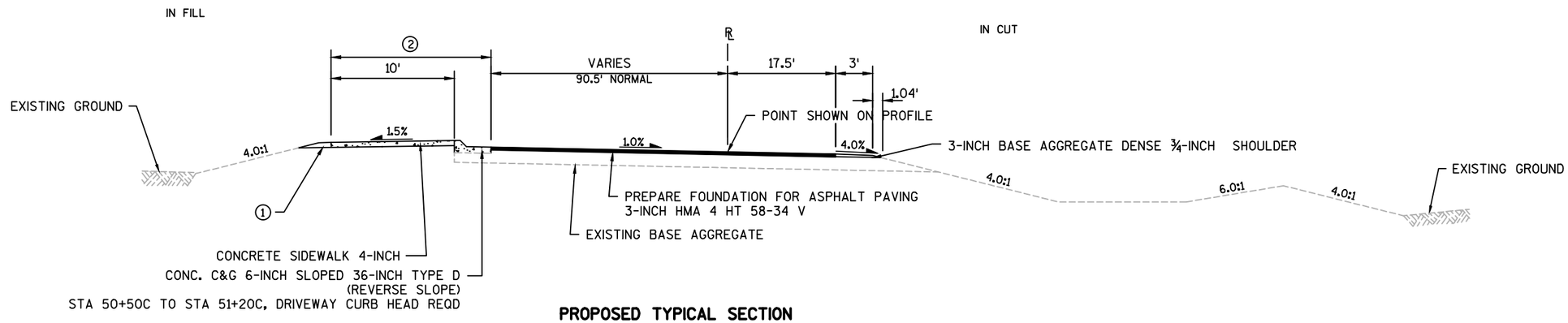


PROPOSED TYPICAL SECTION
HAWK STREET SOUTH
STA 12+40A TO STA 14+30A

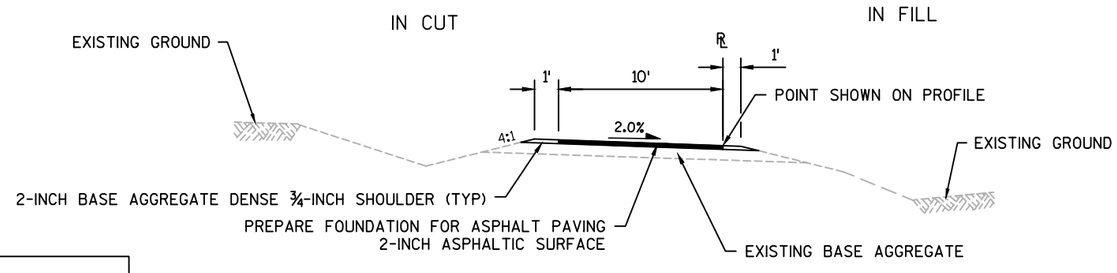
2



PROPOSED TYPICAL SECTION
PARK AND RIDE
STA 51+20C TO STA 51+88C



PROPOSED TYPICAL SECTION
PARK AND RIDE
STA 50+50C TO STA 51+20C
STA 51+88C TO STA 53+02C



LEGEND

① TOPSOIL, FERTILIZER TYPE B, SEED NO 30, EROSION MAT CLASS I TYPE A

② PREPARE FOUNDATION FOR CONCRETE PAVING

PROPOSED TYPICAL SECTION
SHARED USE PATH
STA 101+17'D' TO STA 109+00'D'

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PROPOSED TYPICAL SECTION	SHEET 25	E

GENERAL NOTES (APPLIES TO THIS CONSTRUCTION DETAIL)

THE EXACT LOCATION OF THE ELECTRICAL METER SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. ADJUST ALL LOCATIONS AROUND SITE CONDITIONS INCLUDING TOPOGRAPHY AND UTILITIES.

CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE THE ELECTRICAL SERVICE LATERAL WILL APPROACH.

CONTRACTOR MUST PROVIDE UTILITY APPROVED METER SOCKET AND INSTALL PER UTILITY AND MANUFACTURER'S REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

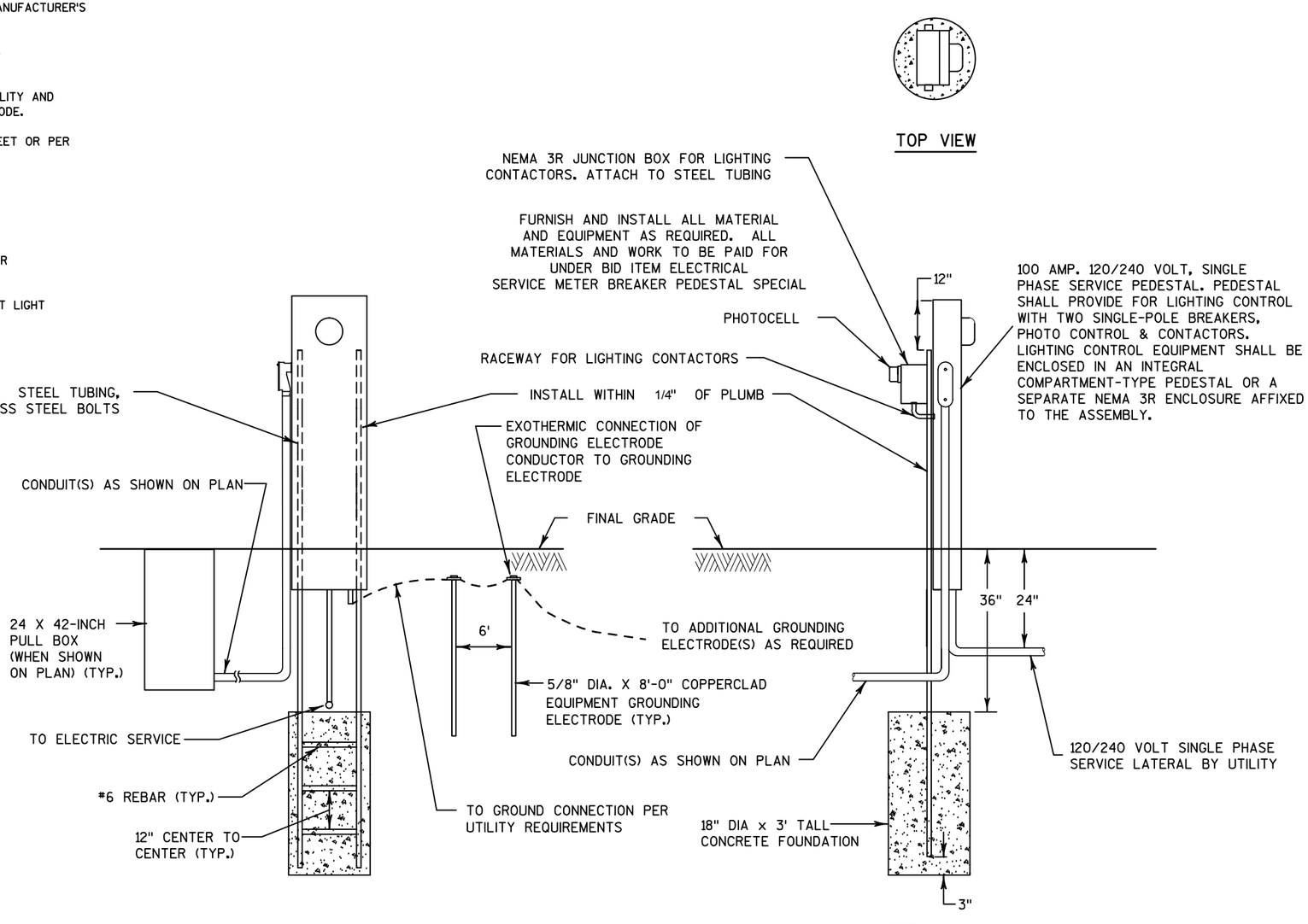
IF MORE THAN TWO GROUNDING ELECTRODES ARE REQUIRED, THE DISTANCE APART SHALL BE 6-FEET OR PER LOCAL UTILITY REGULATIONS.

ALL MOUNTING CHANNEL AND HARDWARE SHALL BE STAINLESS STEEL.

THE LOCATION AND ARRANGEMENT OF ALL EQUIPMENT SHOWN IS APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD.

SEE STANDARD DETAIL DRAWING "CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)" FOR ADDITIONAL INFORMATION NOT SHOWN ON THIS DETAIL.

PROVIDE FOR PHOTOCELL OPERATION ON THE PEDESTAL. ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS.



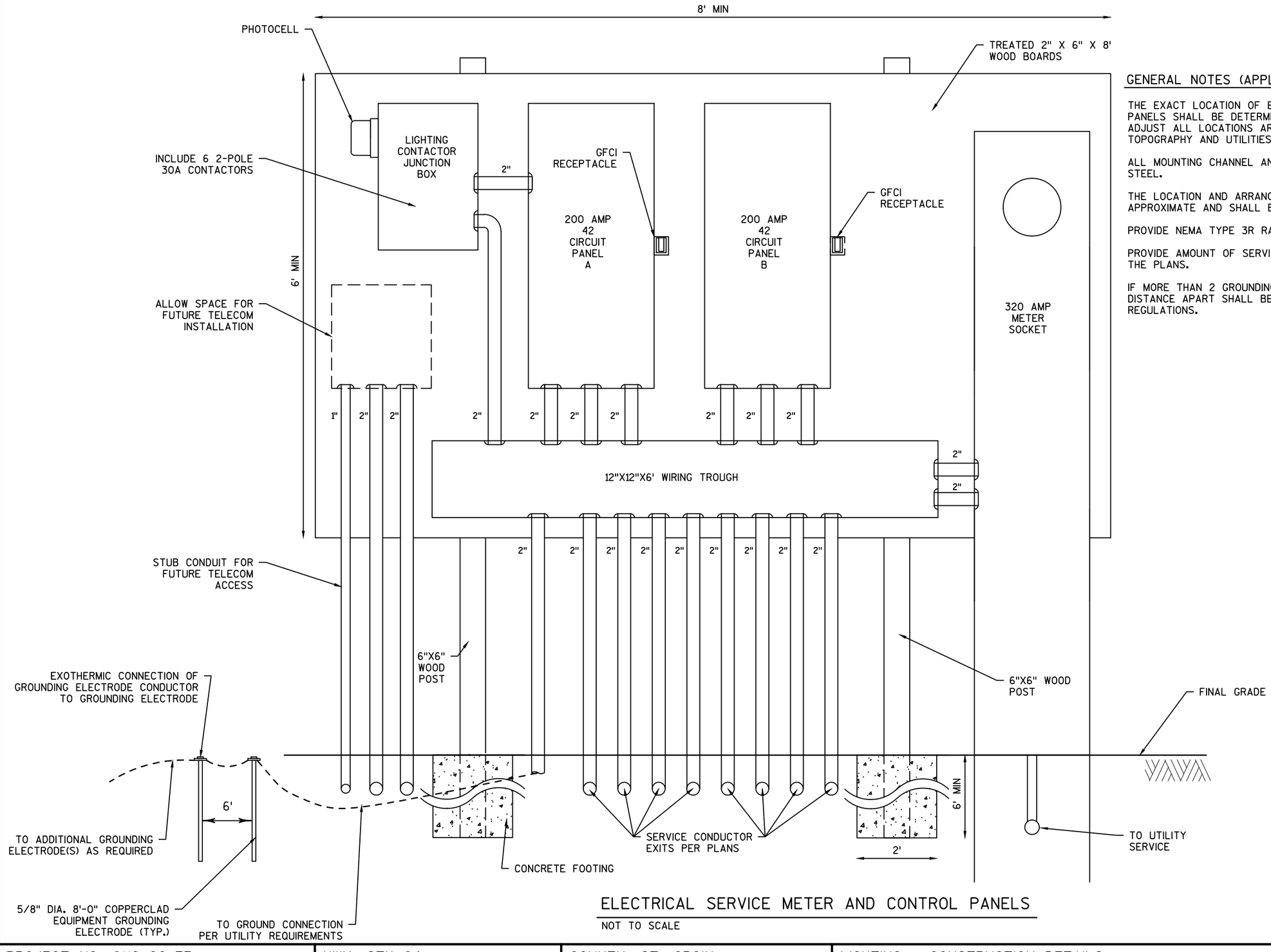
ELECTRICAL SERVICE METER BREAKER PEDESTAL SPECIAL

NOT TO SCALE — PARK AND RIDE - MB100

SHEET 2 OF 11

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	LIGHTING - CONSTRUCTION DETAILS	SHEET 26	E

2



GENERAL NOTES (APPLIES TO THIS CONSTRUCTION DETAIL)

THE EXACT LOCATION OF ELECTRICAL SERVICE METER AND CONTROL PANELS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. ADJUST ALL LOCATIONS AROUND SITE CONDITIONS INCLUDING TOPOGRAPHY AND UTILITIES.

ALL MOUNTING CHANNEL AND HARDWARE SHALL BE STAINLESS STEEL.

THE LOCATION AND ARRANGEMENT OF ALL EQUIPMENT SHOWN IS APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD.

PROVIDE NEMA TYPE 3R RATED WEATHER PROOF ENCLOSURES.

PROVIDE AMOUNT OF SERVICE CONDUCTOR EXITS AS REQUIRED BY THE PLANS.

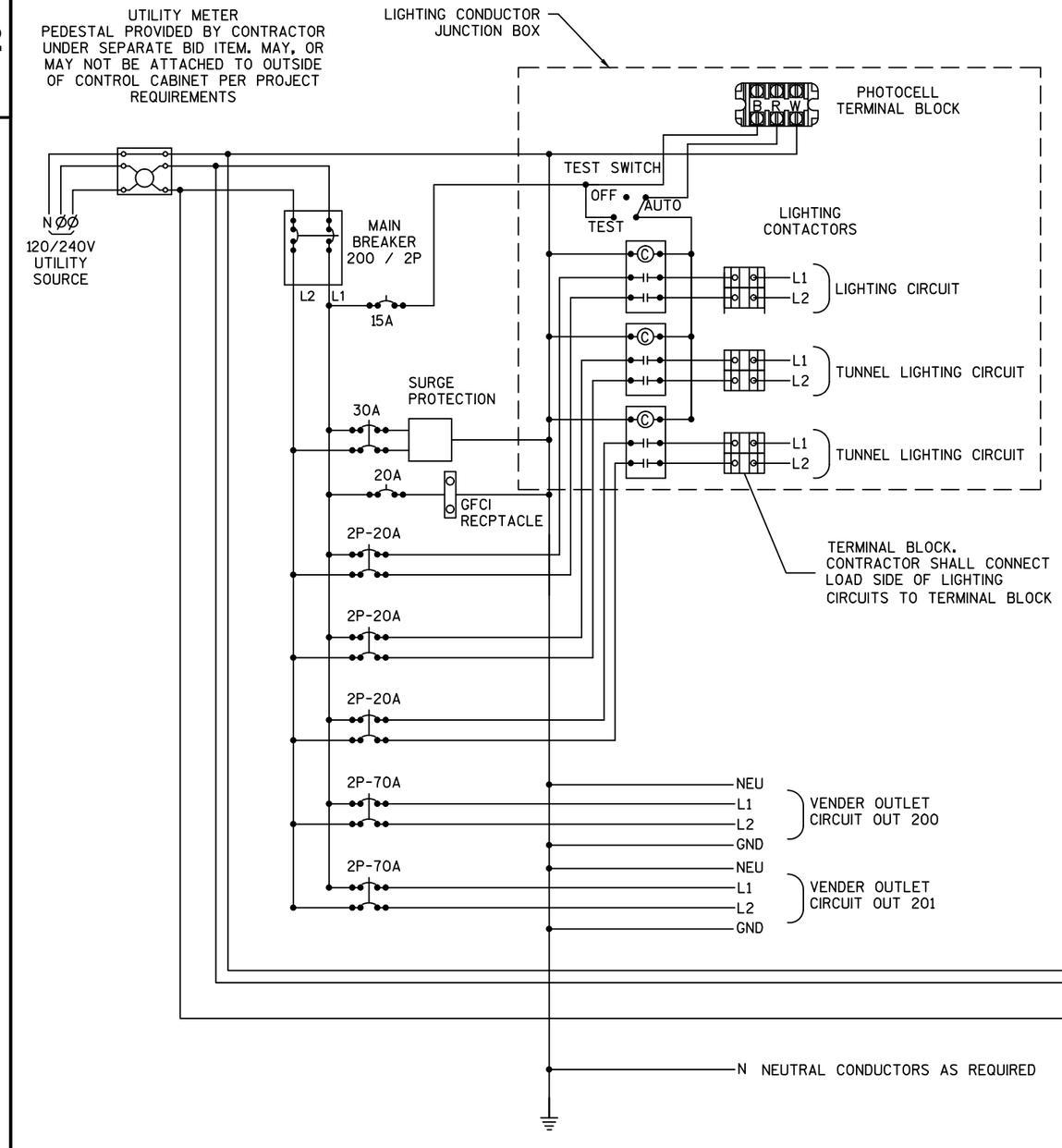
IF MORE THAN 2 GROUNDING ELECTRODES ARE REQUIRED, THE DISTANCE APART SHALL BE 6-FEET OR PER LOCAL UTILITY REGULATIONS.

ELECTRICAL SERVICE METER AND CONTROL PANELS

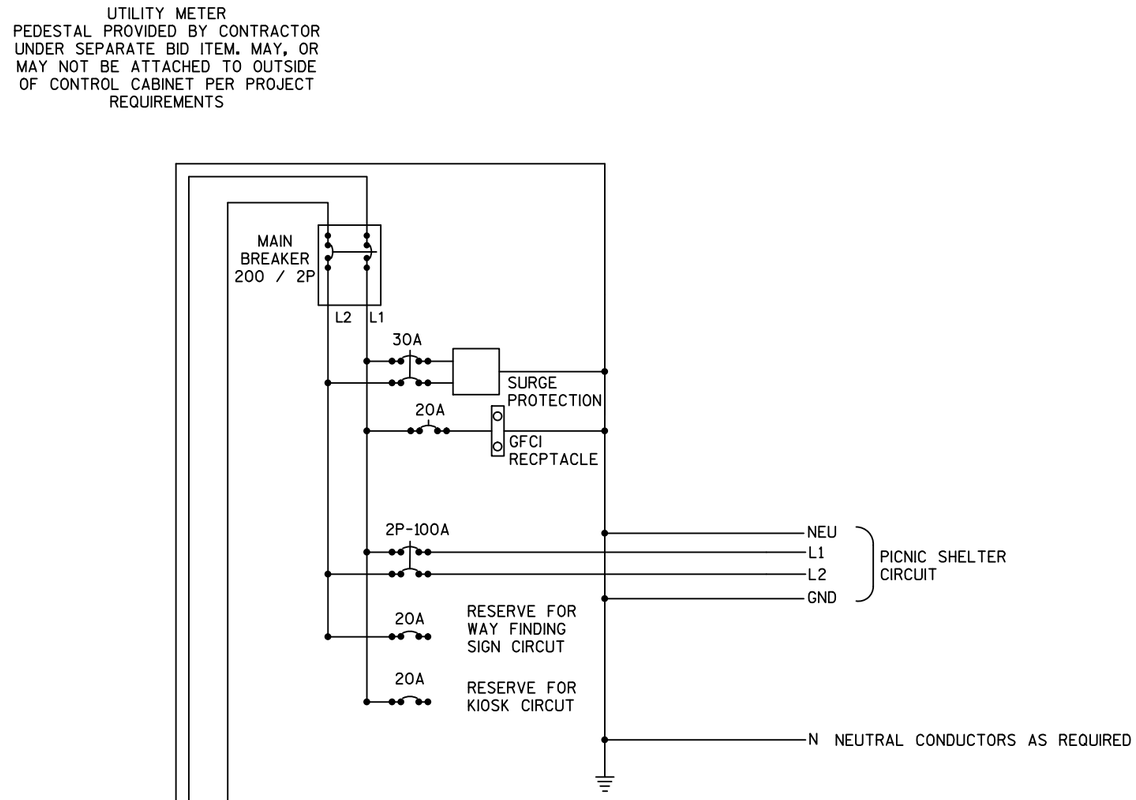
NOT TO SCALE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	LIGHTING - CONSTRUCTION DETAILS	SHEET 27	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CONSTRUCTION DETAILS\LIGHTING\522008_0226_ELECTRICAL SERVICE.DWG PLOT NAME : LAYOUT NAME - ****
PLOT SCALE : Special
© KL ENGINEERING, INC.
WISDOT/CADDS SHEET 42



CONTROL PANEL A



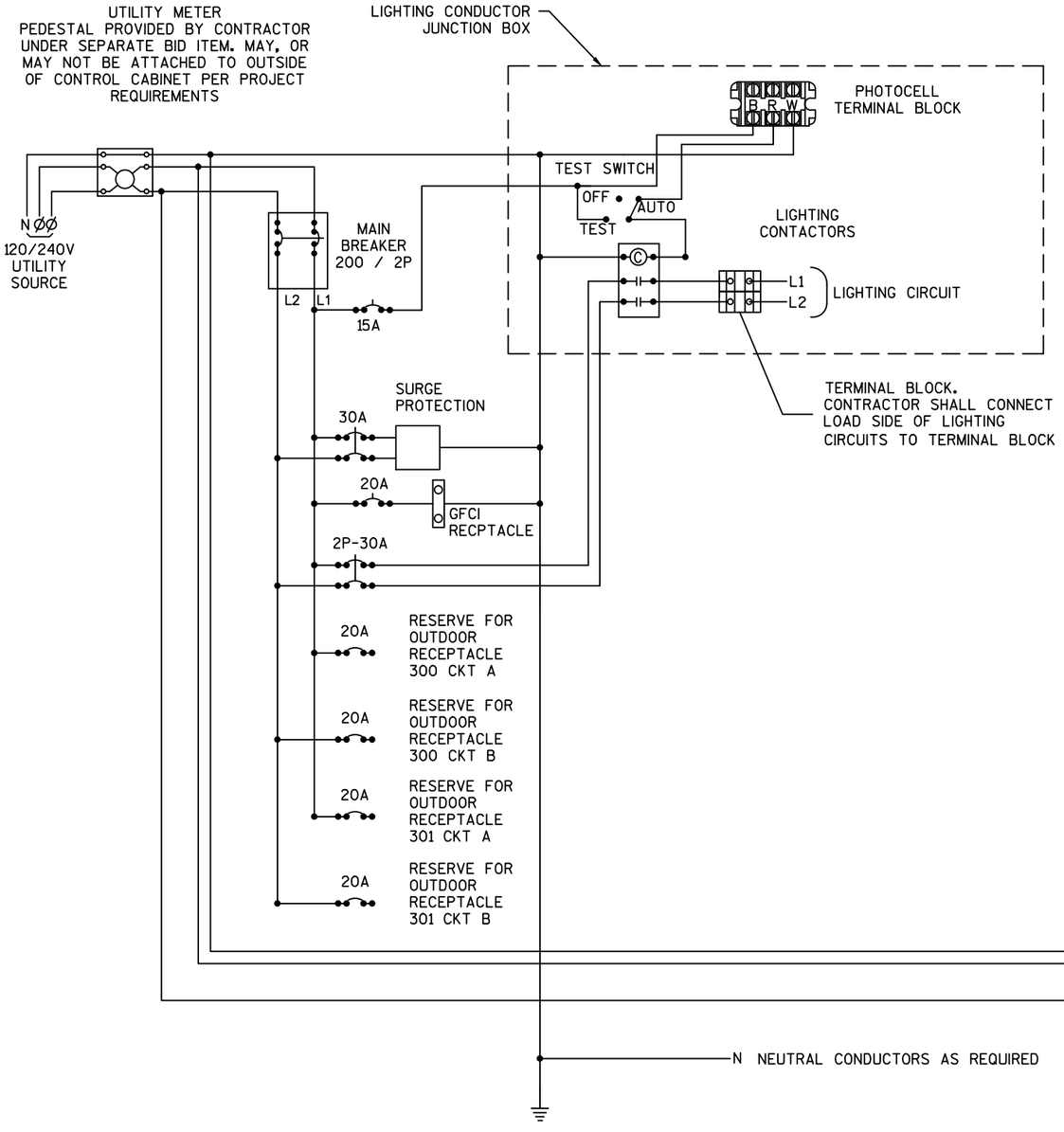
CONTROL PANEL B

ELECTRICAL SERVICE METER AND CONTROL PANELS

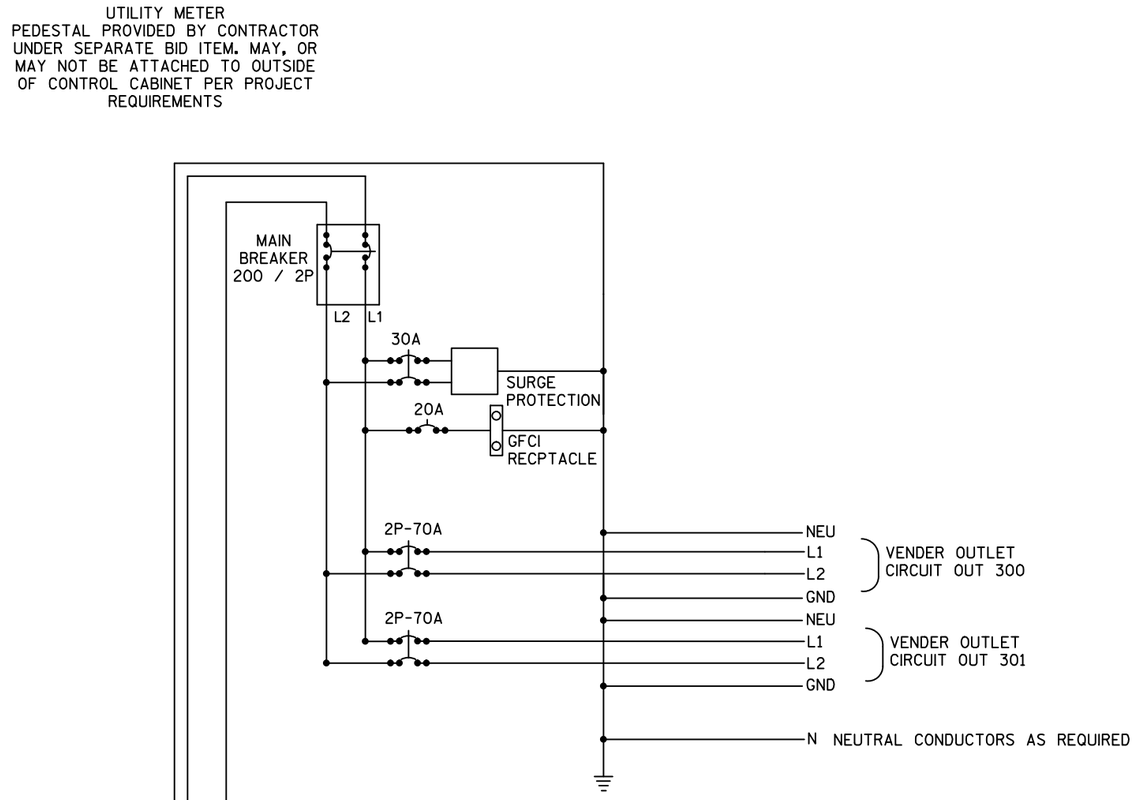
NOT TO SCALE — MAIN TRAIL HEAD - CB200

SHEET 4 OF 11

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	LIGHTING - CONSTRUCTION DETAILS	SHEET 28	E



CONTROL PANEL A



CONTROL PANEL B

ELECTRICAL SERVICE METER AND CONTROL PANELS

NOT TO SCALE — HILLTOP TRAIL HEAD - CB300

SHEET 5 OF 11

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	LIGHTING - CONSTRUCTION DETAILS	SHEET 29	E

GENERAL NOTES (APPLIES TO THIS CONSTRUCTION DETAIL)

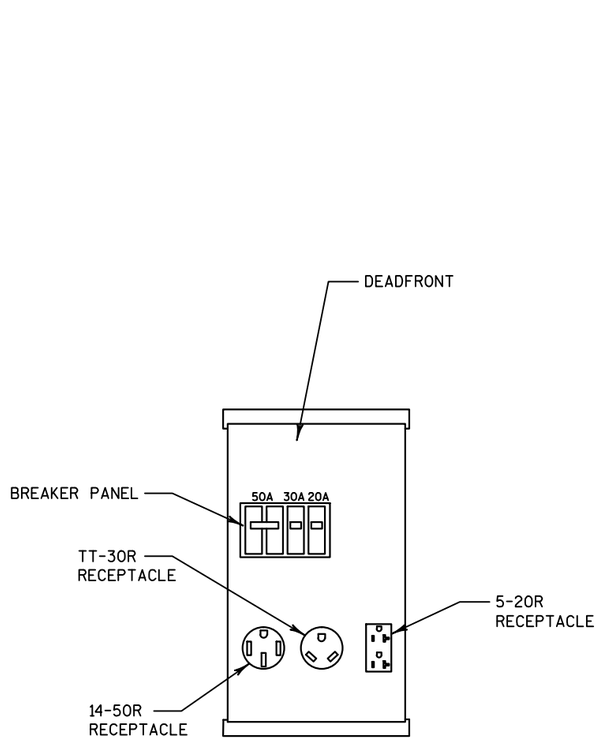
THE EXACT LOCATION OF THE PEDESTAL MOUNTED OUTDOOR OUTLET SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. ADJUST ALL LOCATIONS AROUND SITE CONDITIONS INCLUDING TOPOGRAPHY AND UTILITIES.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

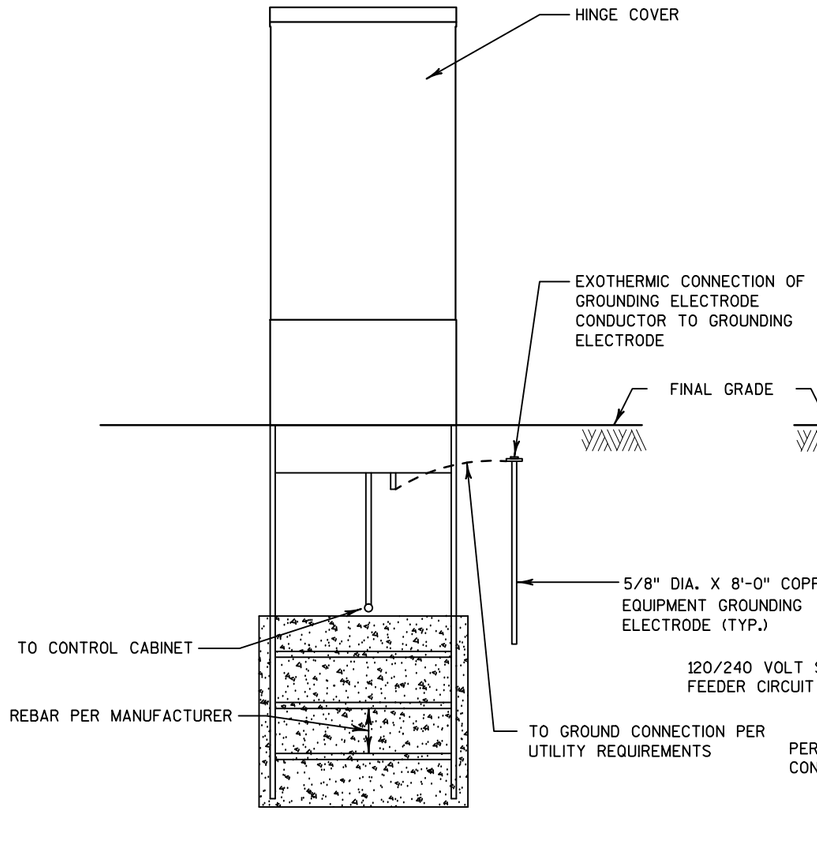
ALL MOUNTING CHANNEL AND HARDWARE SHALL BE STAINLESS STEEL.

THE LOCATION AND ARRANGEMENT OF ALL EQUIPMENT SHOWN IS APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD.

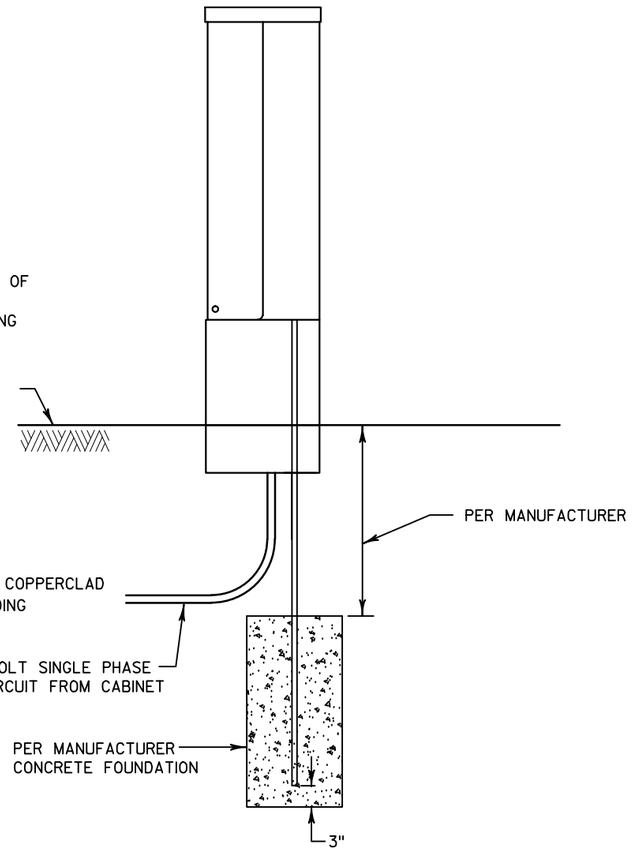
PROVIDE NEMA TYPE 3R RATED WEATHER PROOF ENCLOSURE.



FRONT VIEW - COVER REMOVED



FRONT VIEW

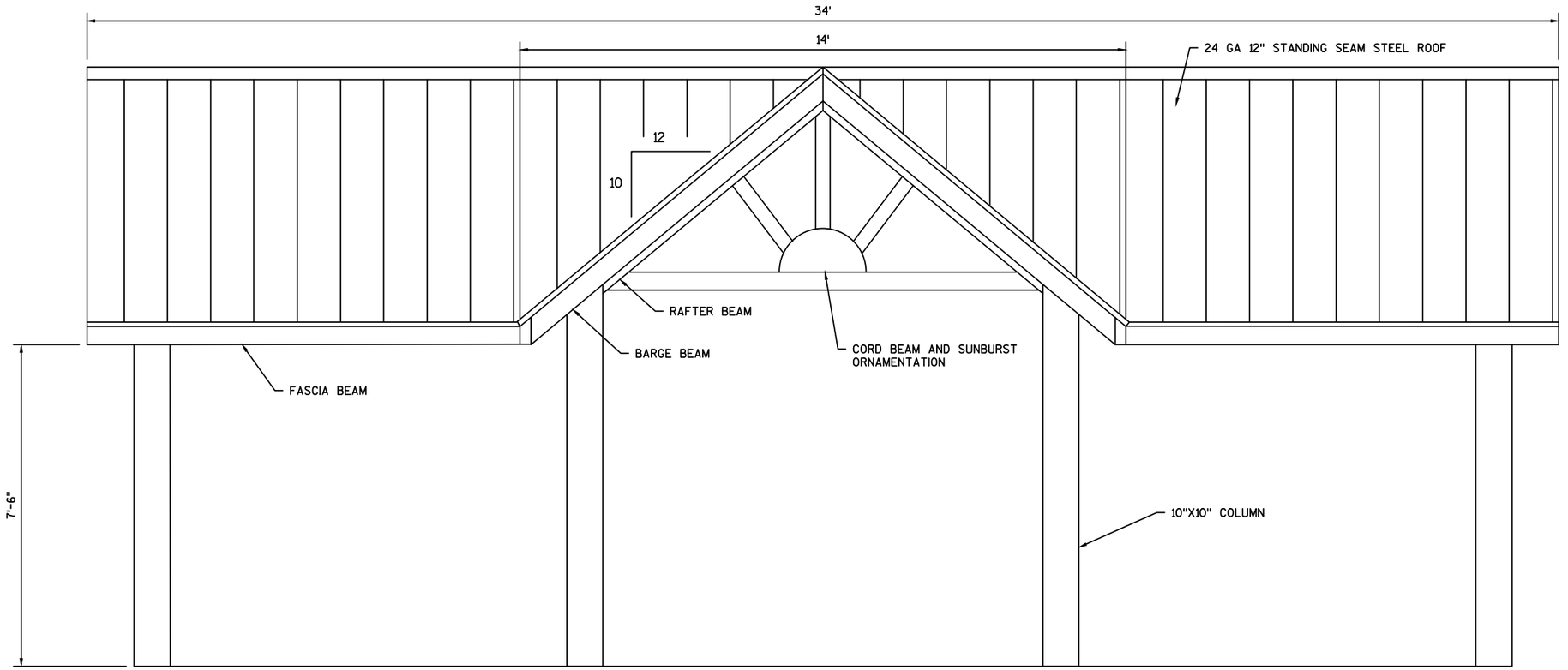


SIDE VIEW

PEDESTAL MOUNTED OUTDOOR OUTLET

NOT TO SCALE

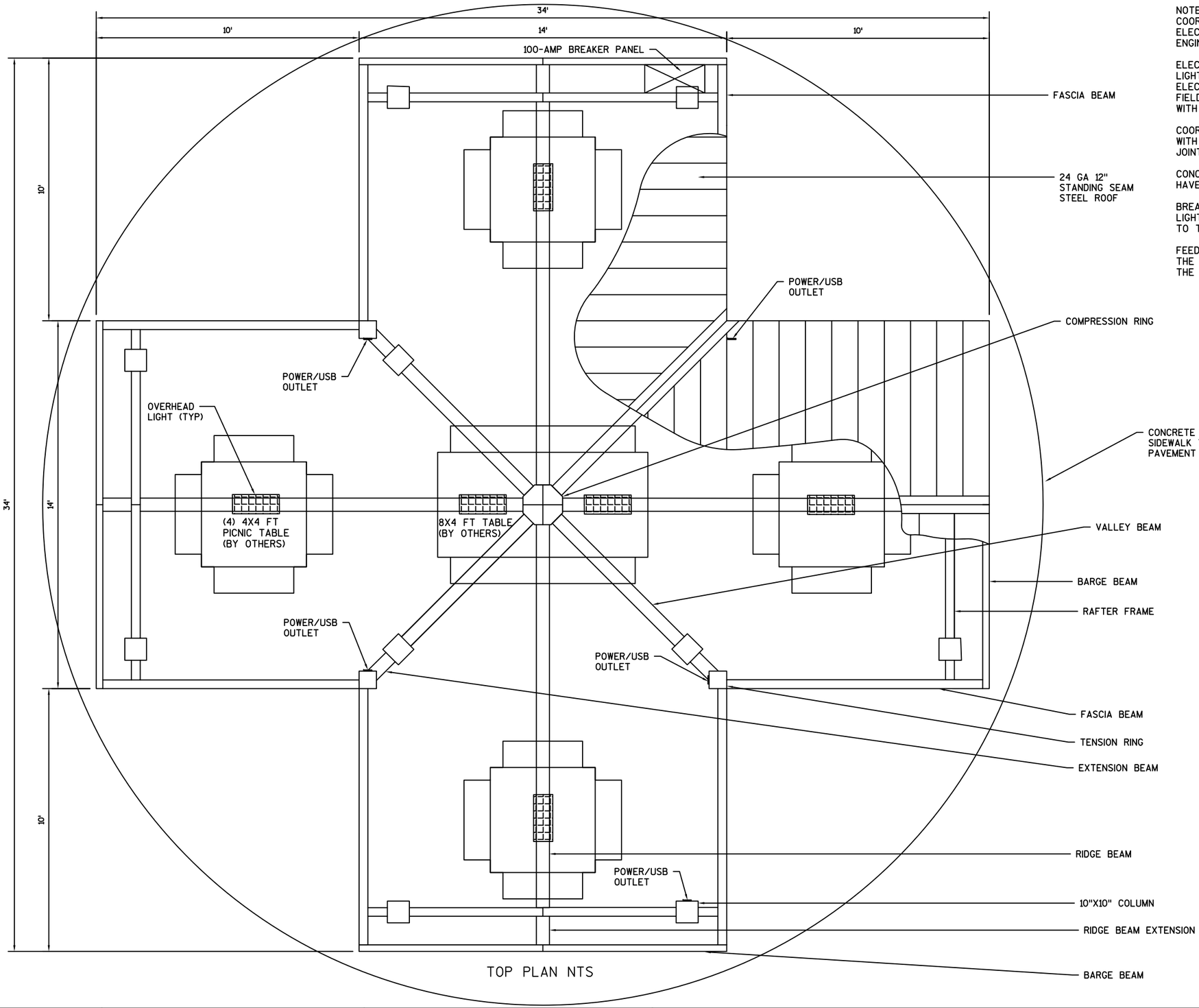
2



ELEVATION NTS

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CONSTRUCTION DETAILS - PICNIC SHELTER ELEVATION	SHEET 31	E

2



TOP PLAN NTS

NOTES:
COORDINATE LOCATIONS AND SIZES OF ELECTRICAL CONDUIT CONNECTION WITH ENGINEER.

ELECTRICAL PROVISIONS TO INCLUDE 5 LIGHTS AND 5 OUTLETS (COMBINATION ELECTRICAL OUTLET AND USB PORT). FIELD LOCATE ALL ELECTRICAL ITEMS WITH ENGINEER.

COORDINATE CONCRETE PAD JOINT LAYOUT WITH ENGINEER. SEE CONCRETE PAVEMENT JOINT LAYOUT SHEET.

CONCRETE SIDEWALK 7-INCH WILL NOT HAVE REINFORCEMENT.

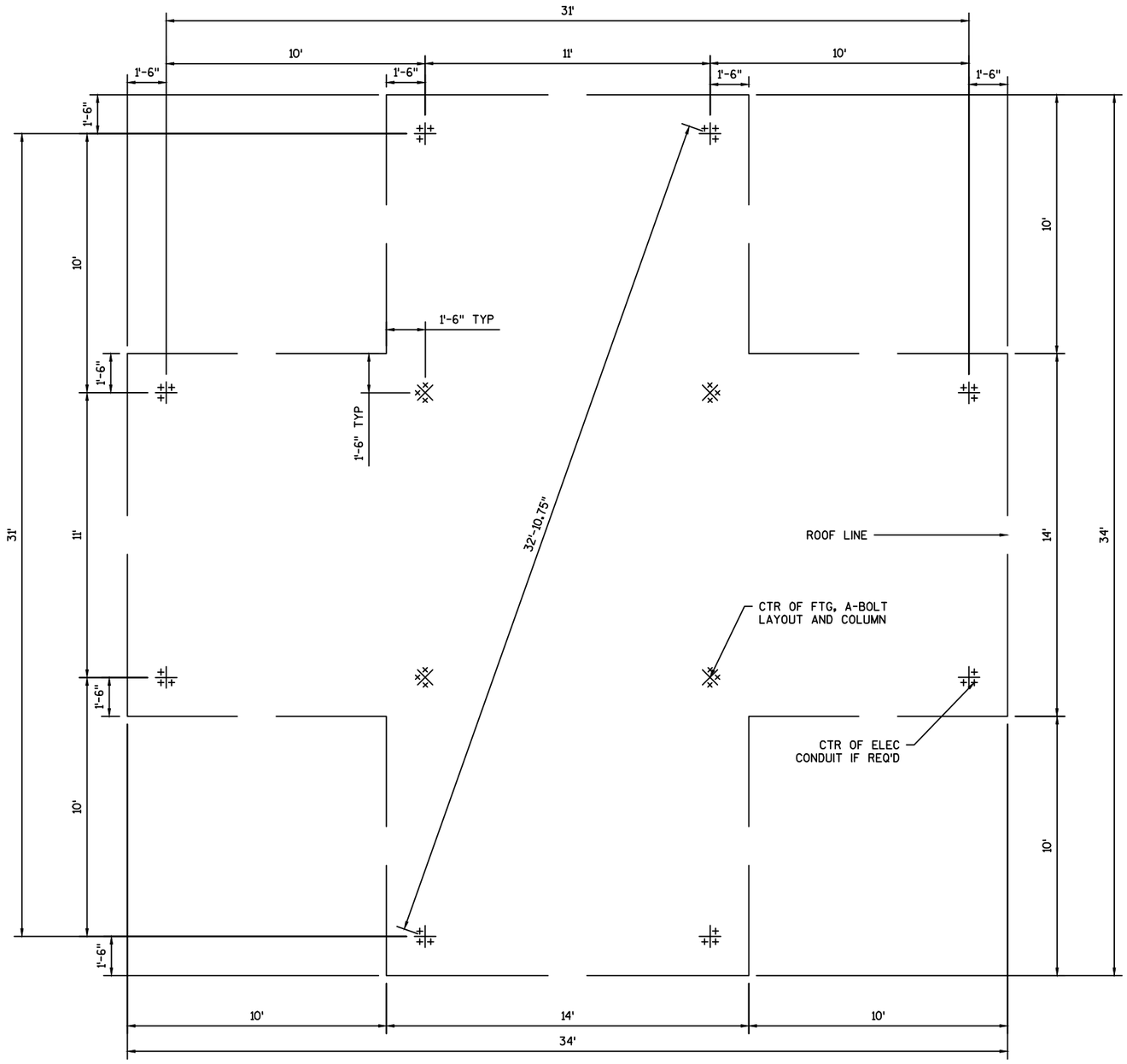
BREAKER PANEL, RACEWAY, CONDUCTORS, LIGHTS AND RECEPTACLES ARE INCIDENTAL TO THE PICNIC SHELTER.

FEEDER CIRCUIT AND CONDUIT OUTSIDE OF THE PICNIC SHELTER TO BE INCLUDED IN THE LIGHTING PLANS.

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN: CONSTRUCTION DETAILS - PICNIC SHELTER	SHEET	E

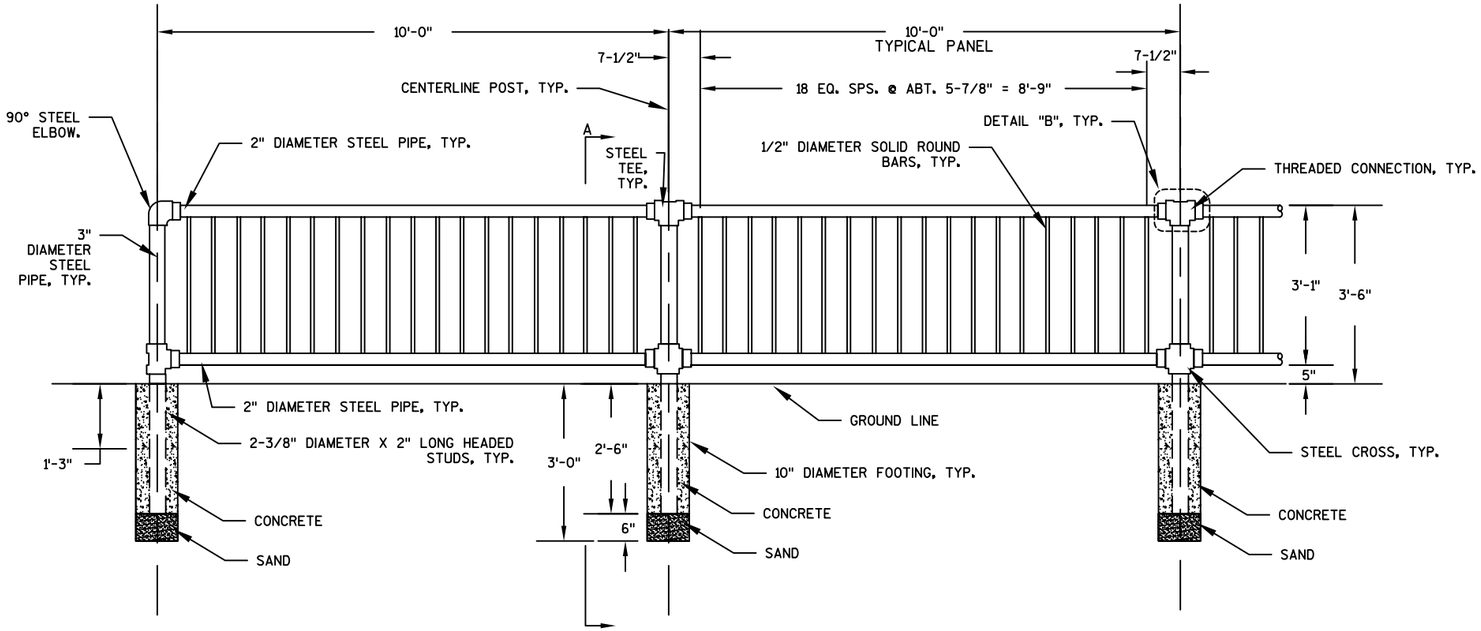
FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021003_CD-PICNICSHELTER_01.DWG PLOT DATE : 1/10/2018 7:49 AM PLOT BY : DAVIS, TERESA L PLOT NAME :
WISDOT/CADDS SHEET 42

2

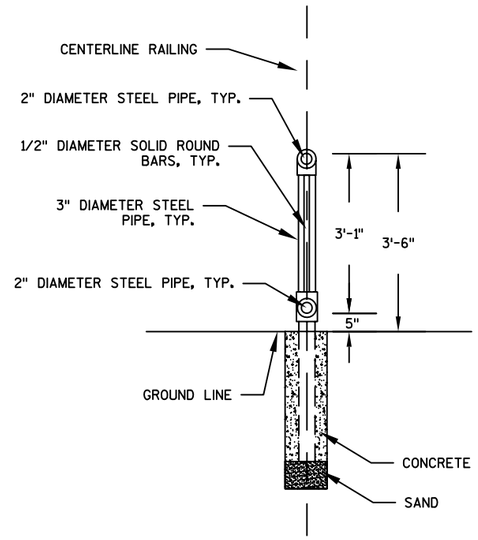


COLUMN LAYOUT PLAN NTS

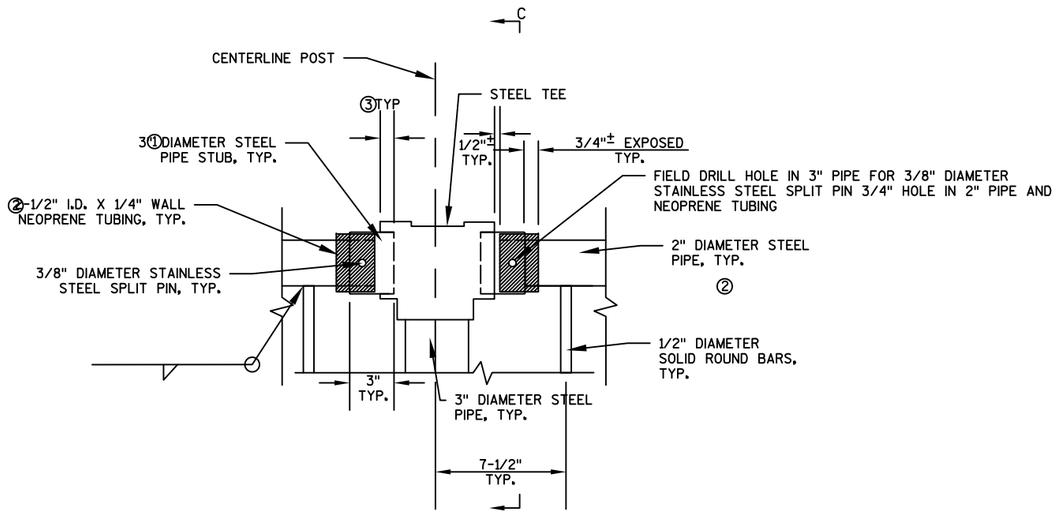
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN: CONSTRUCTION DETAILS - PICNIC SHELTER	SHEET 33	E



RAILING ELEVATION



SECTION A-A



DETAIL "B"

STEEL TEE SHOWN, 90° STEEL ELBOW AND STEEL CROSS SIMILAR

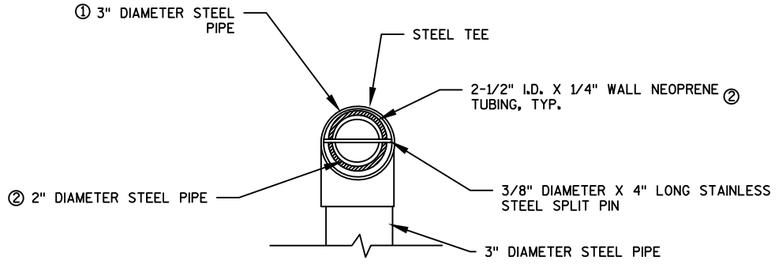
NOTES:
① WITH HOLE FOR 3/8" SS SPLIT PIN.

② WITH 3/4" HOLE FOR SS SPLIT PIN.

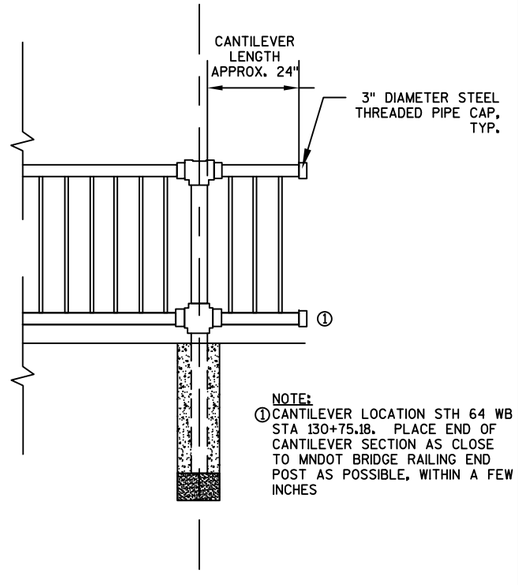
③ 1" TYP. MAX THREAD ENGAGEMENT FOR 3" PIPE. ADJUST AS NECESSARY TO ENGAGE 3/8" DIAMETER SS SPLIT PIN IN 2" PIPE. 3/4" MIN.

SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS AND MATERIAL SPECIFICATIONS.

PAID FOR AS PIPE RAILING DESIGN SPECIAL.



SECTION "C-C"

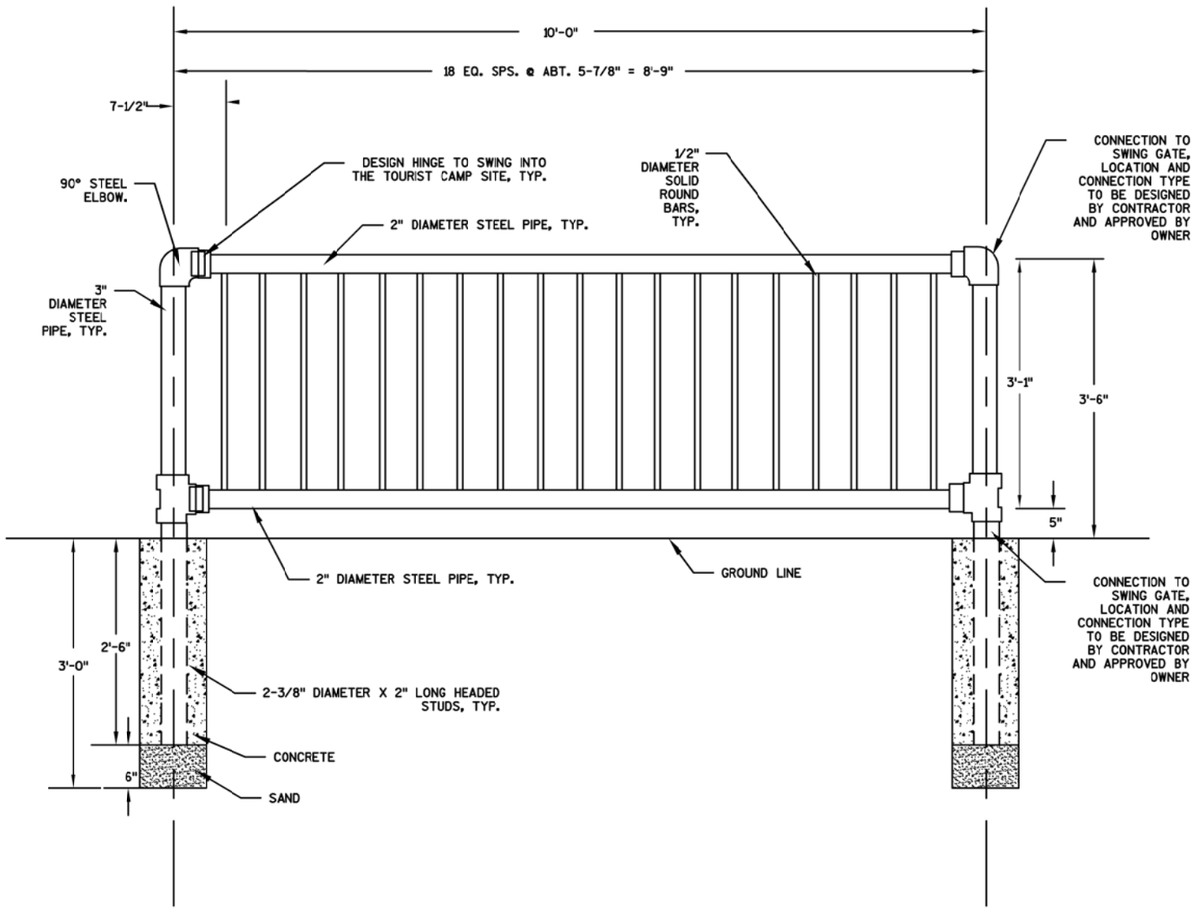


NOTE:
① CANTILEVER LOCATION STH 64 WB STA 130+75.18. PLACE END OF CANTILEVER SECTION AS CLOSE TO MNDOT BRIDGE RAILING END POST AS POSSIBLE, WITHIN A FEW INCHES

DETAIL NEW RIVER CROSSING BRIDGE CANTILEVER SECTION

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CONSTRUCTION DETAILS - PEDESTRIAN SAFETY RAILING	SHEET	E

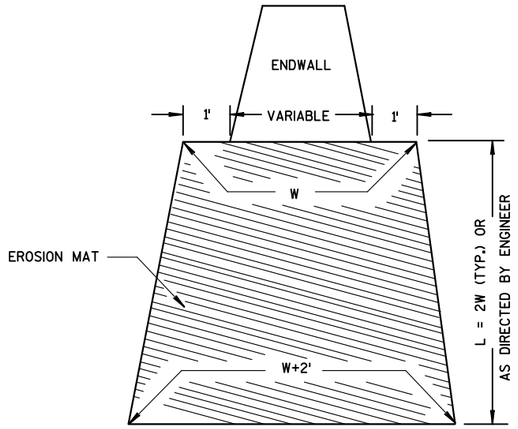
NOTE:
GATE TO BE ALLOWED TO SWING BOTH DIRECTIONS.
HINGE LOCATION TO BE VERIFIED BY ENGINEER PRIOR TO DESIGN AND CONSTRUCTION.



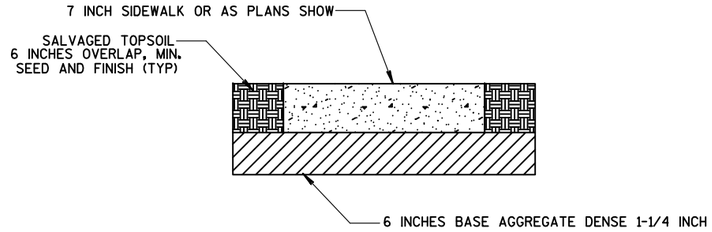
GATE PEDESTRIAN RAILING

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CONSTRUCTION DETAILS - PEDESTRIAN SAFETY RAILING GATE	SHEET	E

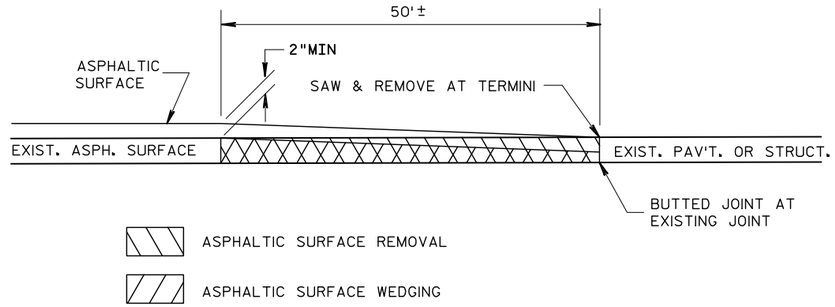
FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021004_CD-PEDESTRIANRAILGATE.DWG PLOT DATE : 12/19/2017 10:40 AM PLOT BY : DAVIS, TERESA L PLOT NAME :



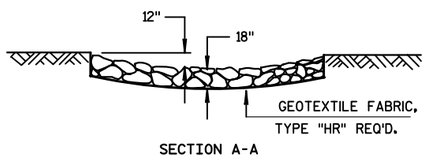
EROSION MAT TREATMENT AT CULVERTS



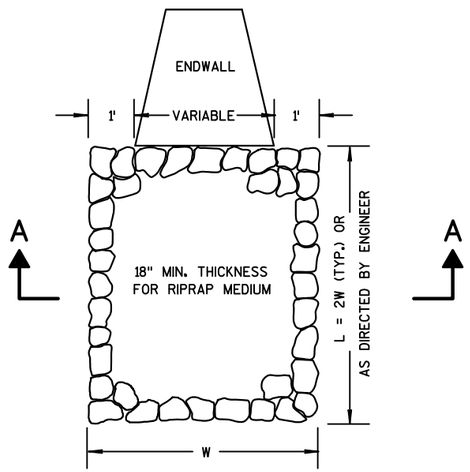
CONSTRUCTION DETAIL SIDEWALK



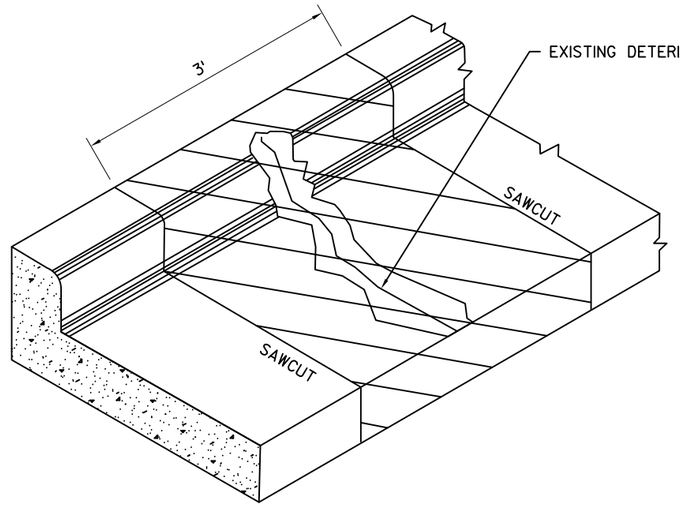
OVERLAP JOINT, BUTTED DETAIL

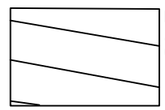


SECTION A-A



RIPRAP MEDIUM TREATMENT AT CULVERTS





REMOVING CURB & GUTTER
AND INSTALL CURB & GUTTER
(TYPE VARIES, SEE TYPICAL SECTIONS)

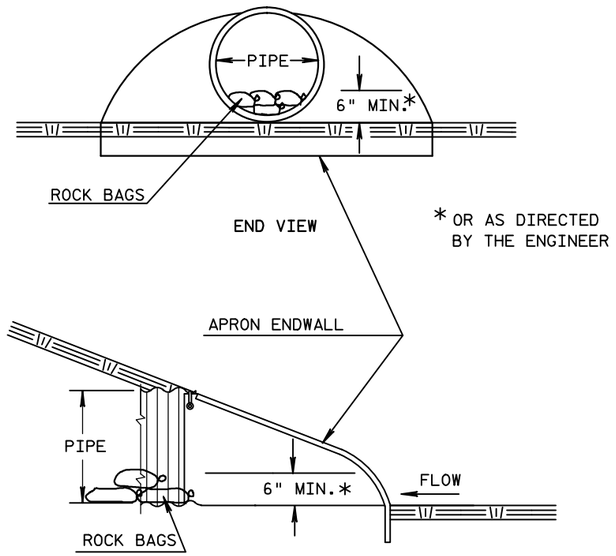
CONCRETE CURB AND GUTTER JOINT REPAIR DETAIL

LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD

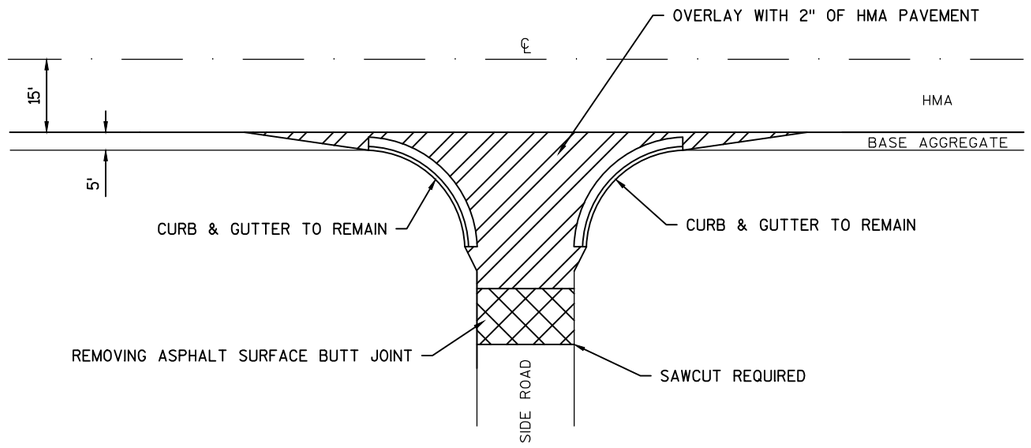
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CONSTRUCTION DETAILS	SHEET _____ E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021001-CD.DWG
LAYOUT NAME - ####
PLOT DATE : 1/10/2018 8:03 AM PLOT BY : DAVIS, TERESA L PLOT NAME : ---------- PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

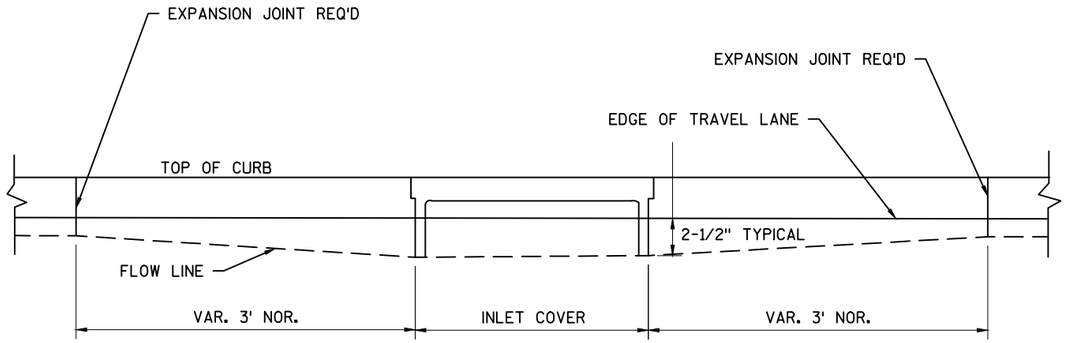
ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NO. OF BAGS
12"	1
15"	2
18"	2
21"	3
14" X 23"	3
24"	3
27"	4
30"	5
19" X 30"	5
36"	7
24" X 38"	8
42"	8
29" X 45"	10
48"	10
34" X 53"	10
38" X 60"	13
60"	13
66"	15
53" X 83"	19



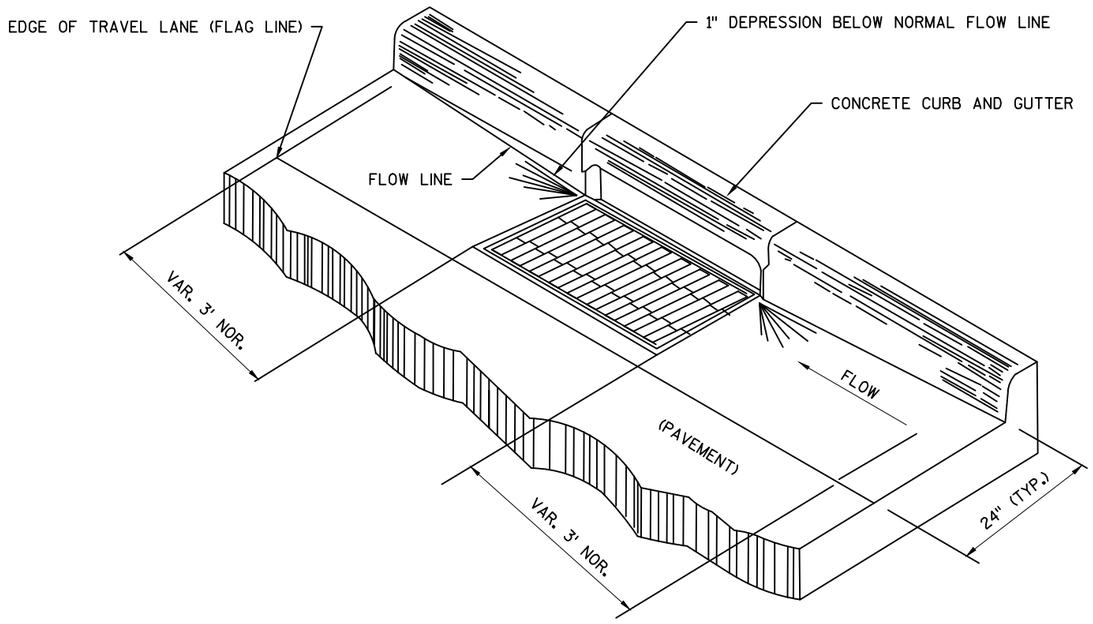
CULVERT PIPE CHECKS



PAVING DETAIL
SIDEROADS WITH EXISTING CURB & GUTTER



ELEVATION



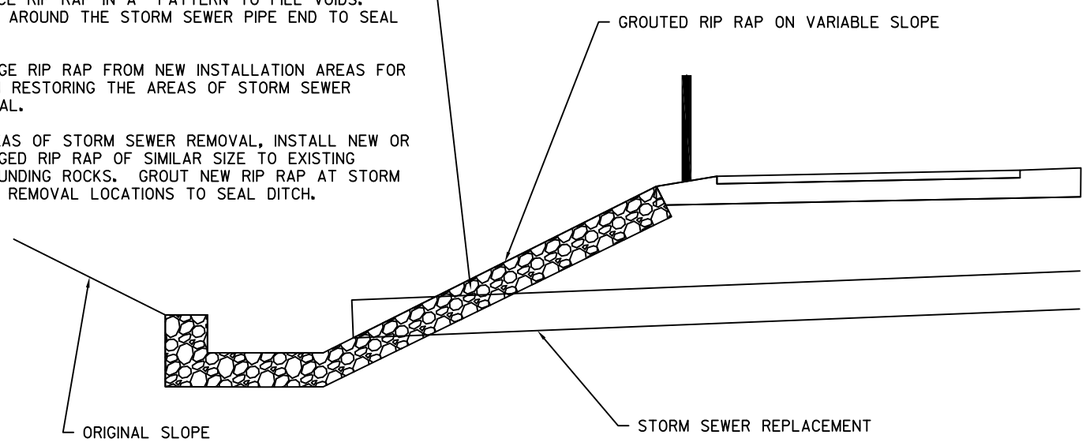
DETAIL OF CONCRETE CURB & GUTTER AT INLETS

2

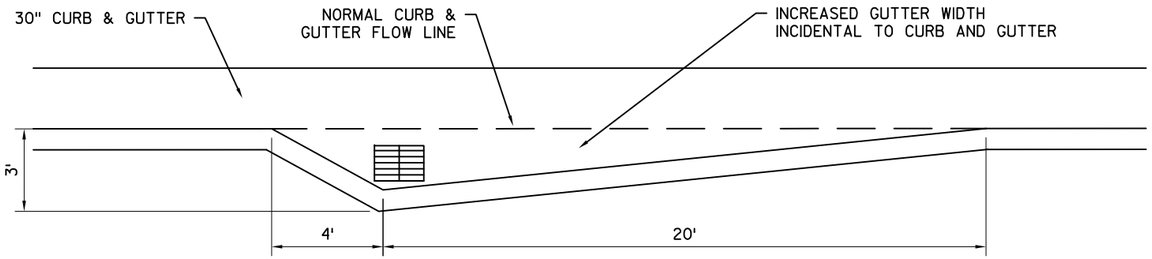
REMOVE GROUTED RIP RAP AND ROCK ONLY AS REQUIRED, AS DIRECTED BY THE ENGINEER, TO INSTALL NEW STORM SEWER OUTLET. DO NOT INSTALL APRON ENDWALL. UPON INSTALLATION OF STORM SEWER, REPLACE RIP RAP IN A PATTERN TO FILL VOIDS. GROUT AROUND THE STORM SEWER PIPE END TO SEAL DITCH.

SALVAGE RIP RAP FROM NEW INSTALLATION AREAS FOR USE IN RESTORING THE AREAS OF STORM SEWER REMOVAL.

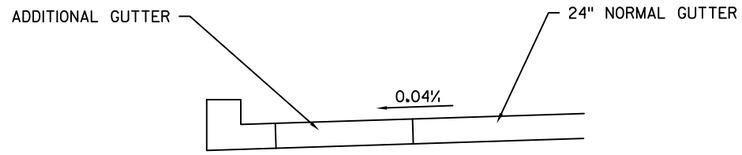
IN AREAS OF STORM SEWER REMOVAL, INSTALL NEW OR SALVAGED RIP RAP OF SIMILAR SIZE TO EXISTING SURROUNDING ROCKS. GROUT NEW RIP RAP AT STORM SEWER REMOVAL LOCATIONS TO SEAL DITCH.



GROUTED RIP RAP RESTORATION

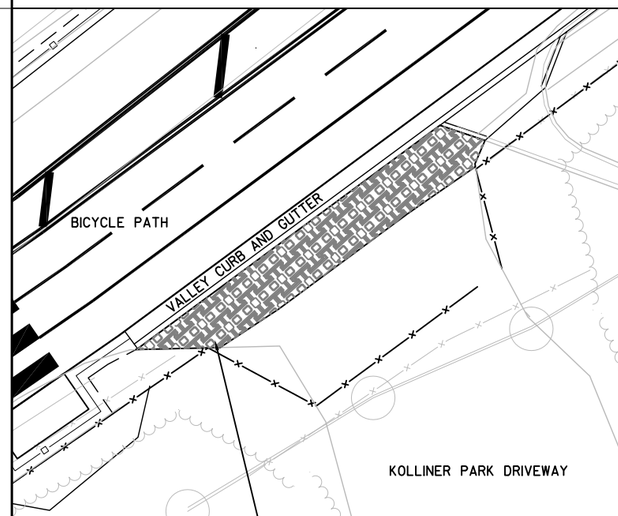


PLAN VIEW



PROFILE VIEW

OFFSET INLET DETAIL



NOTES
SAW CUT ASPHALT ON KOLLINER PARK DRIVEWAY.

REMOVE 6 FEET OF ASPHALTIC SURFACE BETWEEN BACK OF THE VALLEY CURB AND GUTTER (INSTALLED WITH PROJECT) AND THE 6 FEET DISTANCE TO THE ASPHALT SAW CUT

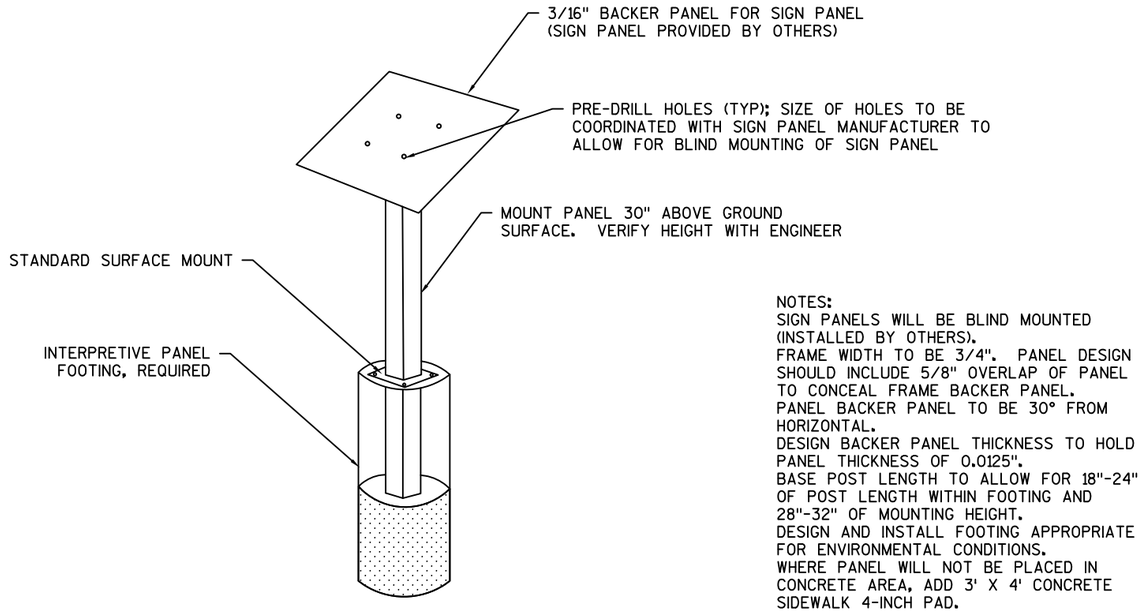
INSTALL CONCRETE REVETMENT BLOCK PER MANUFACTURER'S SPECIFICATIONS.

CONCRETE REVETMENT BLOCK TO EXTEND 6 FEET TO THE SOUTH OF THE BACK OF THE VALLEY CURB AT THE KOLLINER PARK DRIVEWAY THROAT.

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

ALIGNMENT 20-21 COMBINED BIKE-PED PATH BOTTOM OF HILL			
STATION	OFFSET	NORTHING	EASTING
1058+18.23	2.4650	372734.6610	500558.6051
1058+18.46	2.5000	372734.7687	500558.8093
1058+26.16	8.0280	372734.8999	500568.2886
1058+61.69	2.500	372760.4564	500593.5753
1058+62.14	8.7560	372755.6951	500597.6593
1058+62.30	8.4540	372756.0350	500597.6100
1058+64.82	6.9730	372758.7200	500598.7520

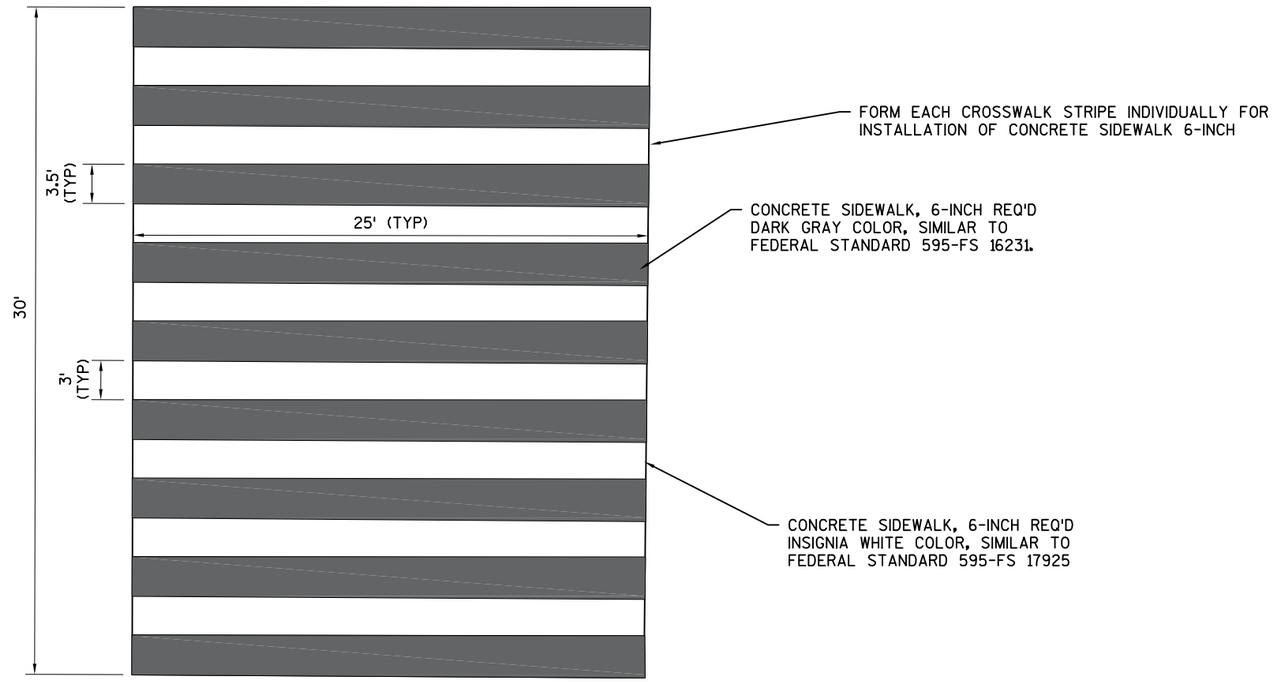
6-INCH FABRIC FORMED ARTICULATED CONCRETE REVETMENT MAT



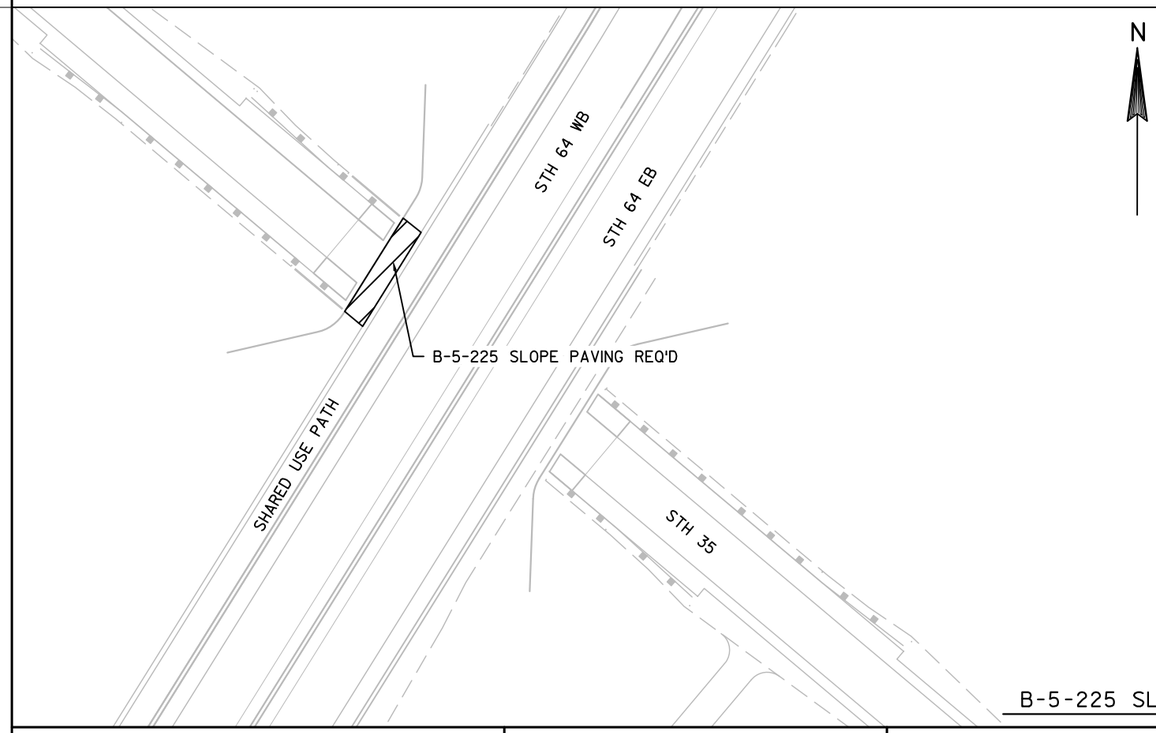
NOTES:
SIGN PANELS WILL BE BLIND MOUNTED (INSTALLED BY OTHERS).
FRAME WIDTH TO BE 3/4". PANEL DESIGN SHOULD INCLUDE 5/8" OVERLAP OF PANEL TO CONCEAL FRAME BACKER PANEL.
PANEL BACKER PANEL TO BE 30° FROM HORIZONTAL.
DESIGN BACKER PANEL THICKNESS TO HOLD PANEL THICKNESS OF 0.0125".
BASE POST LENGTH TO ALLOW FOR 18"-24" OF POST LENGTH WITHIN FOOTING AND 28"-32" OF MOUNTING HEIGHT.
DESIGN AND INSTALL FOOTING APPROPRIATE FOR ENVIRONMENTAL CONDITIONS.
WHERE PANEL WILL NOT BE PLACED IN CONCRETE AREA, ADD 3' X 4' CONCRETE SIDEWALK 4-INCH PAD.

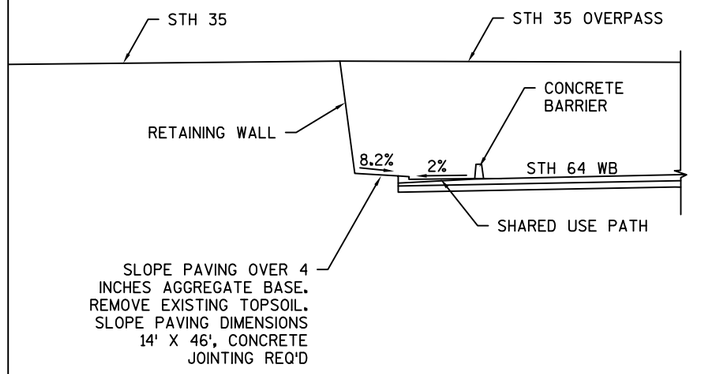
FRAMELESS PEDESTAL FOR SELF-SUPPORTING SIGN PANELS

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CONSTRUCTION DETAILS	SHEET ----- E



CONCRETE SIDEWALK 6-INCH CROSSWALK NEAR LIFT BRIDGE





B-5-225 SLOPE PAVING STA 134+20 STH 64 WB LT

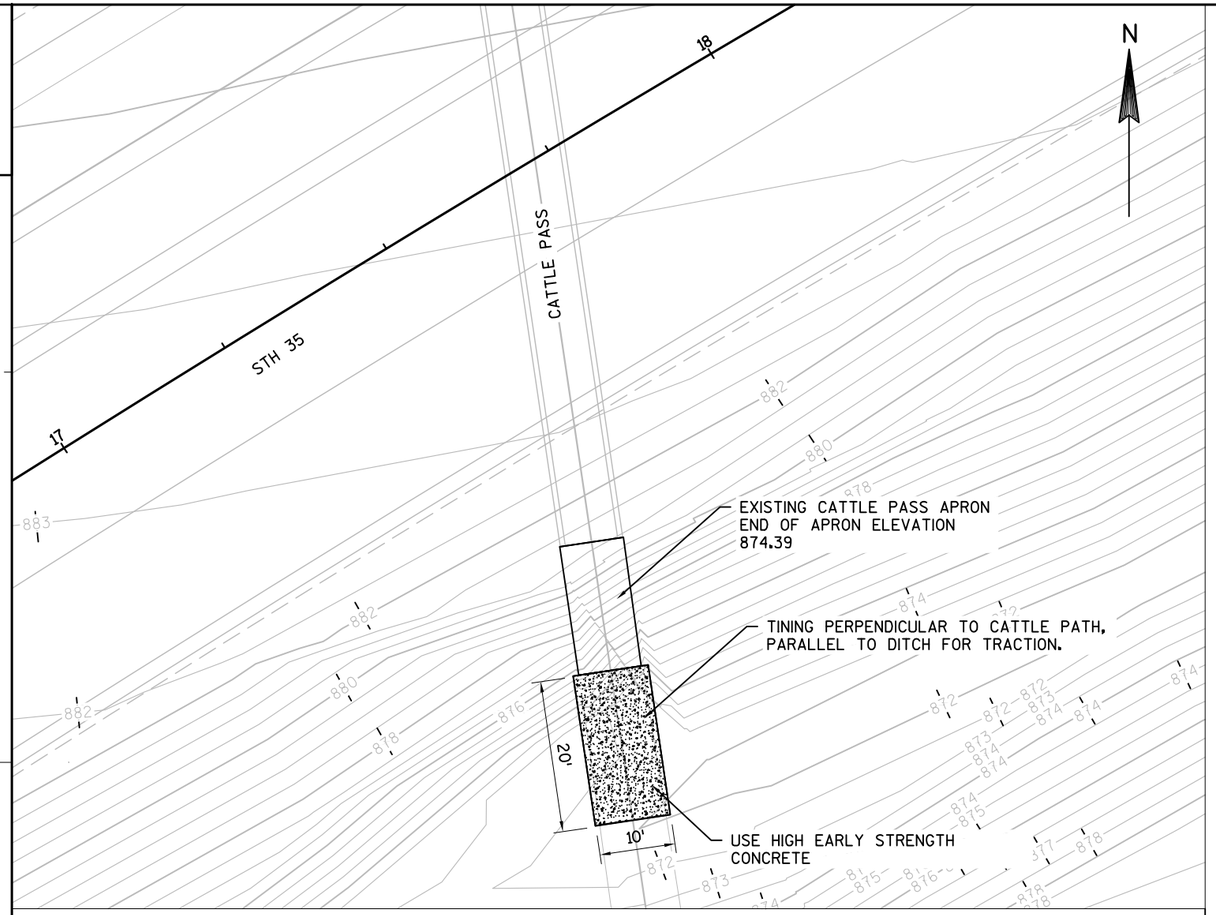
Underpass Points: Curb to Abutment Wall

POINT	STA (STH 64 WB)	OFFSET	ELEVATION	NORTHING	EASTING
A	133+52.25	-98.00	857.16	368668.62	504856.52
B	133+89.80	-62.35	848.96	368681.18	504907.15
C	134+70.95	-61.70	849.90	368749.72	504950.68
D	135+13.28	-86.07	856.73	368798.55	504952.40
E	133+52.54	-50.45	846.86	368643.29	504897.31
F	133+89.44	-50.37	847.61	368674.56	504917.16
G	134+70.60	-50.49	848.85	368743.56	504960.01
H	135+15.12	-50.75	849.23	368781.37	504983.38

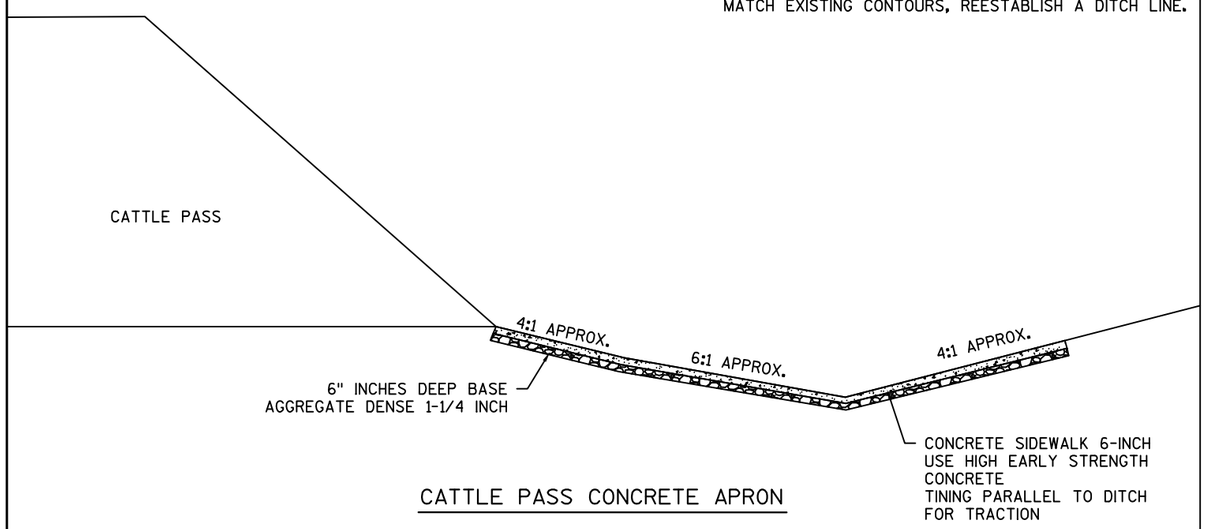
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CONSTRUCTION DETAILS	SHEET ----- E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021001-CD.DWG
LAYOUT NAME - ****
PLOT DATE : 1/10/2018 8:09 AM PLOT BY : DAVIS, TERESA L PLOT NAME : ---------- PLOT SCALE : ******

2



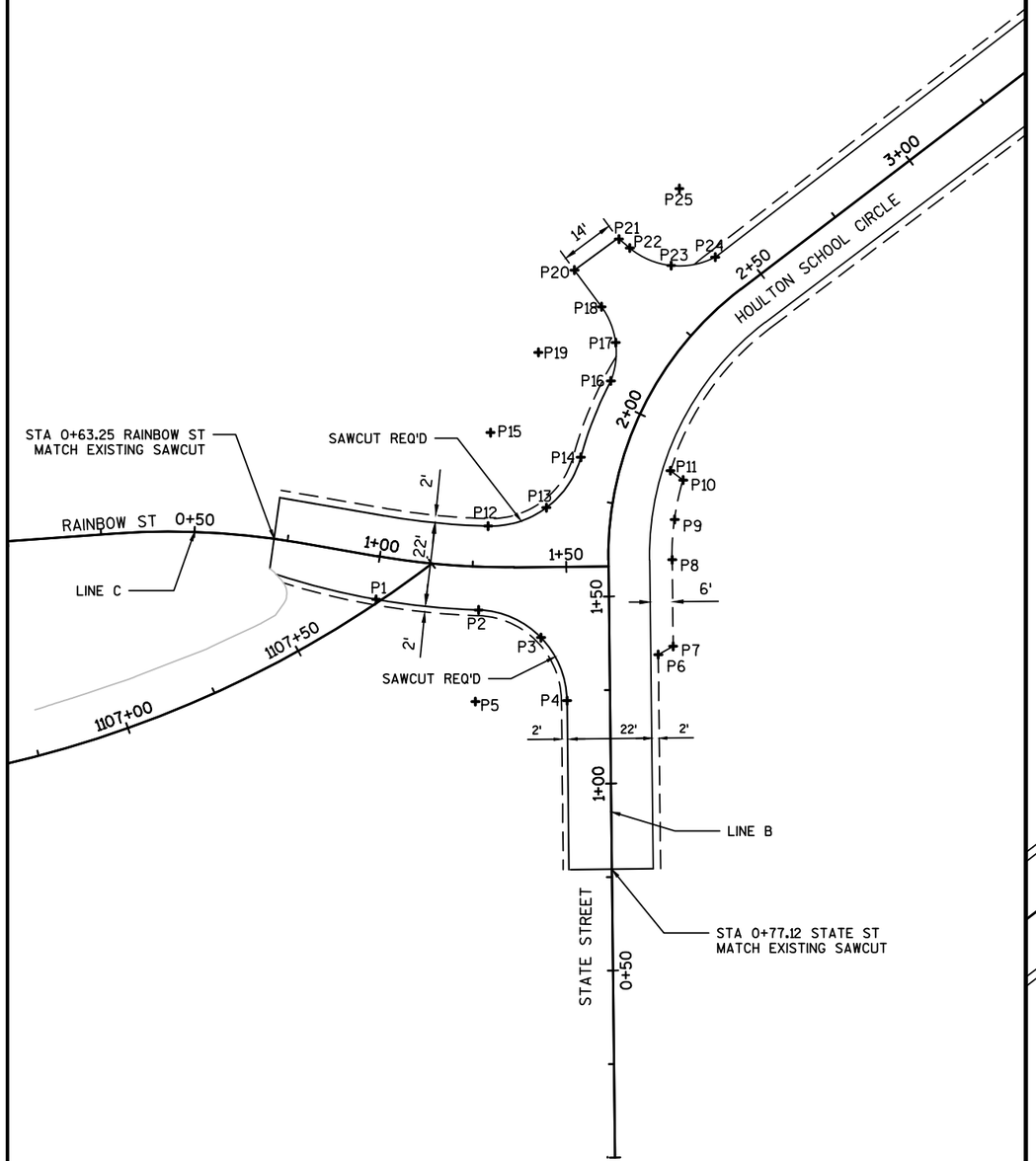
NOTE:
MATCH EXISTING CONTOURS, REESTABLISH A DITCH LINE.

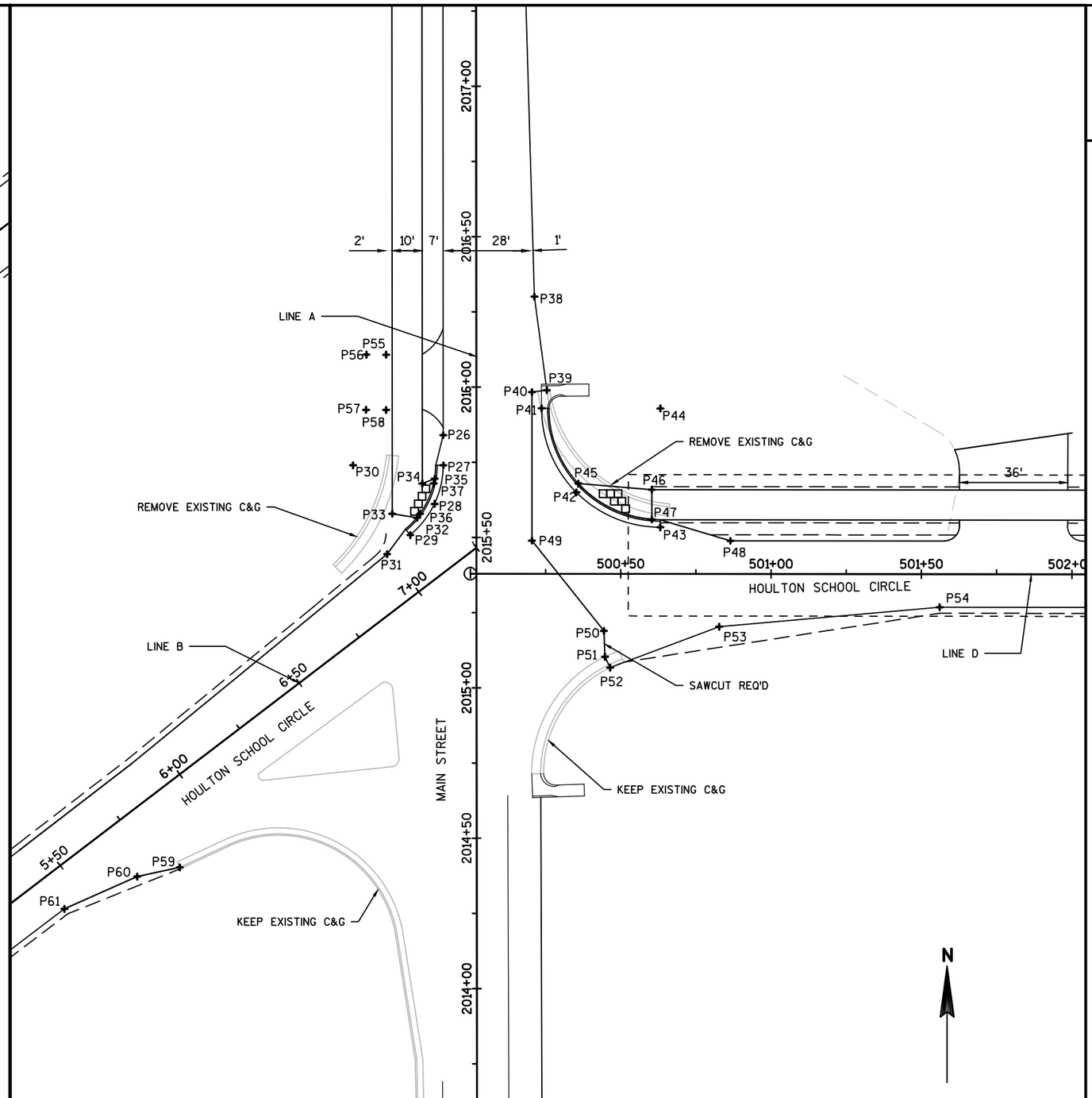


CATTLE PASS CONCRETE APRON

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CONSTRUCTION DETAILS	SHEET ----- E

2





PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	INTERSECTION DETAIL: STATE ST, HOULTON SCHOOL CR, MAIN ST	SHEET 41	E

2

STATION & OFFSET TABLE: RAINBOW STREET, STATE STREET

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P1	1+00.91 RAINBOW ST	11.42	1+49.89 STATE ST	62.24 LT	373204.70	501588.36
P2	1+26.97 RAINBOW ST	11.50	1+46.77 STATE ST	34.89 LT	373201.87	501615.74
P3	1+43.05 RAINBOW ST	18.83	1+39.22 STATE ST	18.29 LT	373194.50	501632.42
P4	1+49.84 RAINBOW ST	35.76	1+22.29 STATE ST	11.50 LT	373177.65	501639.39
P5	1+26.97 RAINBOW ST	36.00	1+22.29 STATE ST	36.00 LT	373177.38	501614.89
P6	0+00.00	0.00	1+34.33 STATE ST	13.00 RT	373189.94	501663.76
P7	0+00.00	0.00	1+36.51 STATE ST	17.00 RT	373192.17	501667.74
P8	0+00.00	0.00	1+59.66 STATE ST	17.00 RT	373215.31	501667.49
P9	0+00.00	0.00	1+72.95 STATE ST	17.00 RT	373226.06	501668.17
P10	0+00.00	0.00	1+86.24 STATE ST	17.00 RT	373236.60	501670.42
P11	0+00.00	0.00	1+87.95 STATE ST	13.00 RT	373239.12	501667.01
P12	1+28.85 RAINBOW ST	11.00	1+66.66 STATE ST	32.46 LT	373224.30	501618.30
P13	1+44.85 RAINBOW ST	15.88	1+71.65 STATE ST	17.44 LT	373229.23	501633.85
P14	1+54.19 RAINBOW ST	29.25	1+84.61 STATE ST	11.00 LT	373242.70	501643.05
P15	1+28.85 RAINBOW ST	36.00	1+84.62 STATE ST	36.00 LT	373249.29	501618.94
P16	0+00.00	0.00	2+04.22 STATE ST	11.00 LT	373263.13	501651.10
P17	0+00.00	0.00	2+12.49 STATE ST	15.07 LT	373273.36	501652.39
P18	1+60.18 RAINBOW ST	69.44	2+17.23 STATE ST	23.63 LT	373282.95	501648.60
P19	1+43.17 RAINBOW ST	57.43	2+02.53 STATE ST	31.72 LT	373270.75	501631.73
P20	1+53.05 RAINBOW ST	79.30	2+19.86 STATE ST	35.28 LT	373292.73	501641.37
P21	0+00.00	0.00	2+30.10 STATE ST	31.75 LT	373301.03	501653.25
P22	0+00.00	0.00	2+30.35 STATE ST	28.02 LT	373298.66	501656.15
P23	0+00.00	0.00	2+34.04 STATE ST	16.94 LT	373293.97	501667.20
P24	0+00.00	0.00	2+43.08 STATE ST	11.00 LT	373296.22	501678.99
P25	0+00.00	0.00	2+46.54 STATE ST	31.39 LT	373314.54	501669.40

STATION & OFFSET TABLE: MAIN STREET, HOULTON SCHOOL CIRCLE

POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P26	2015+83.99 MAIN ST	11.00	0+00.00	0.00	373616.84	502057.03
P27	2015+73.99 MAIN ST	11.00	0+00.00	0.00	373606.84	502057.04
P28	2015+61.15 MAIN ST	13.89	0+00.00	0.00	373593.99	502054.16
P29	2015+50.78 MAIN ST	21.99	0+00.00	0.00	373583.62	502046.06
P30	2015+73.99 MAIN ST	41.00	0+00.00	0.00	373606.82	502027.04
P31	2015+44.44 MAIN ST	29.72	0+00.00	0.00	373577.28	502038.33
P32	2015+56.55 MAIN ST	19.73	0+00.00	0.00	373589.40	502048.31
P33	2015+57.89 MAIN ST	28.00	0+00.00	0.00	373590.73	502040.05
P34	2015+67.89 MAIN ST	18.00	0+00.00	0.00	373600.73	502050.04
P35	2015+69.51 MAIN ST	13.87	0+00.00	0.00	373602.36	502054.17
P36	2015+57.88 MAIN ST	18.71	0+00.00	0.00	373590.73	502049.34
P37	2015+67.88 MAIN ST	14.19	0+00.00	0.00	373600.73	502053.85
P38	2016+30.01 MAIN ST	19.35	500+21.20 HOULTON SCHOOL CI	92.11 LT	373662.88	502087.36
P39	2015+98.92 MAIN ST	23.42	500+25.32 HOULTON SCHOOL CI	61.03 LT	373631.79	502091.44
P40	2015+98.27 MAIN ST	18.54	500+20.44 HOULTON SCHOOL CI	60.37 LT	373631.14	502086.56
P41	2015+92.88 MAIN ST	21.71	500+23.62 HOULTON SCHOOL CI	54.98 LT	373625.75	502089.73
P42	2015+64.94 MAIN ST	33.24	500+35.20 HOULTON SCHOOL CI	27.06 LT	373597.81	502101.28
P43	2015+53.33 MAIN ST	61.15	500+63.12 HOULTON SCHOOL CI	15.50 LT	373586.22	502129.19
P44	2015+92.83 MAIN ST	61.21	500+63.12 HOULTON SCHOOL CI	55.00 LT	373625.72	502129.23
P45	2015+67.87 MAIN ST	33.89	500+35.84 HOULTON SCHOOL CI	30.00 LT	373600.75	502101.93
P46	2015+65.83 MAIN ST	58.33	500+60.29 HOULTON SCHOOL CI	28.00 LT	373598.72	502126.37
P47	2015+55.94 MAIN ST	58.33	500+60.30 HOULTON SCHOOL CI	18.11 LT	373588.83	502126.37
P48	2015+48.79 MAIN ST	84.48	500+86.46 HOULTON SCHOOL CI	11.00 LT	373581.70	502152.53
P49	2015+48.90 MAIN ST	18.46	500+20.44 HOULTON SCHOOL CI	11.00 LT	373581.77	502086.51
P50	2015+18.86 MAIN ST	42.36	500+44.40 HOULTON SCHOOL CI	18.99 RT	373551.75	502110.44
P51	2015+10.26 MAIN ST	42.73	500+44.78 HOULTON SCHOOL CI	27.59 RT	373543.15	502110.81
P52	2015+06.65 MAIN ST	44.46	500+46.52 HOULTON SCHOOL CI	31.19 RT	373539.55	502112.55
P53	2015+20.22 MAIN ST	80.70	500+82.73 HOULTON SCHOOL CI	17.56 RT	373553.15	502148.77
P54	2015+26.63 MAIN ST	154.06	501+56.08 HOULTON SCHOOL CI	11.00 RT	373559.63	502222.13
P55	2016+10.74 MAIN ST	30.00	0+00.00	0.00	373643.58	502038.01
P56	2016+10.78 MAIN ST	36.56	0+00.00	0.00	373643.61	502031.45
P57	2015+92.41 MAIN ST	36.67	0+00.00	0.00	373625.24	502031.35
P58	2015+92.36 MAIN ST	30.00	0+00.00	0.00	373625.20	502038.02
P59	2014+40.38 MAIN ST	98.72	0+00.00	0.00	373473.14	501969.42
P60	2014+37.33 MAIN ST	112.92	0+00.00	0.00	373470.08	501955.23
P61	2014+26.62 MAIN ST	137.12	0+00.00	0.00	373459.35	501931.03

2

*POINT 115 OFF PAGE
(CENTER OF EAST ARC OF PARKING LOT)

N

0 40 80 Feet

1079+50 1080+00 1080+50 1081+00 1081+50 1082+00

MULTI-USE TRAIL

10+50 11+00 11+50 12+00 12+50 13+00 13+50 14+00

1204+00 1204+50 1205+00 1205+50 1206+00 1206+50 1207+00 1207+50 1208+00 1208+50

HILLTOP DRIVE

HILLTOP PARKING

LINE H

LINE J

63'

3' 24' 3'

SAWCUT AND REMOVE CURB RADIUS

SAWCUT

2024+50 2025+00 2025+50 2026+00 2026+50 2027+00 2027+50 2028+00 2028+50 2029+00 2029+50 2030+00

MAIN STREET

5' 22' 4'

LINE A

LINE A

PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	INTERSECTION DETAIL: HILLTOP TRAILHEAD	SHEET 43	E

STATION & OFFSET TABLE: HILLTOP DRIVE, HILLTOP PARKING						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P1	1203+55.12 HILLTOP DR	12.00	0+00.00	0.00	374602.62	501751.92
P2	1203+64.94 HILLTOP DR	15.66	0+00.00	0.00	374607.66	501761.11
P3	1203+69.97 HILLTOP DR	24.86	10+00.83 HILLTOP PARKING	14.00 RT	374605.45	501771.36
P4	1203+55.12 HILLTOP DR	27.00	10+00.83 HILLTOP PARKING	29.00 RT	374592.82	501763.27
P5	1204+11.69 HILLTOP DR	12.00	10+74.09 HILLTOP PARKING	78.35 LT	374645.45	501788.88
P6	1204+00.36 HILLTOP DR	17.18	0+00.00	0.00	374633.48	501785.39
P7	1203+96.85 HILLTOP DR	29.14	10+08.88 HILLTOP PARKING	12.00 LT	374623.01	501792.15
P8	1204+11.69 HILLTOP DR	27.00	10+08.88 HILLTOP PARKING	27.00 LT	374635.65	501800.24
P9	1204+01.53 HILLTOP DR	61.67	10+41.75 HILLTOP PARKING	12.00 LT	374605.30	501819.84
P10	1204+07.54 HILLTOP DR	73.32	10+54.13 HILLTOP PARKING	16.30 LT	374602.25	501832.59
P11	1204+19.49 HILLTOP DR	78.73	10+92.29 HILLTOP PARKING	13.00 LT	374607.75	501844.49
P12	1204+21.32 HILLTOP DR	58.82	10+41.75 HILLTOP PARKING	32.00 LT	374622.15	501830.61
P13	1203+75.79 HILLTOP DR	65.37	10+41.75 HILLTOP PARKING	14.00 RT	374583.40	501805.83
P14	1203+89.63 HILLTOP DR	92.16	13+70.26 HILLTOP PARKING	279.11 LT	374576.38	501835.16
P15	1204+17.10 HILLTOP DR	104.62	10+92.29 HILLTOP PARKING	13.00 RT	374589.03	501862.53
P16	1204+29.44 HILLTOP DR	105.54	11+04.21 HILLTOP PARKING	13.00 RT	374597.78	501871.29
P17	1204+32.40 HILLTOP DR	107.18	11+07.57 HILLTOP PARKING	14.46 RT	374599.30	501874.77
P18	1204+33.45 HILLTOP DR	110.75	11+08.95 HILLTOP PARKING	17.96 RT	374597.95	501878.31
P19	1204+29.26 HILLTOP DR	110.64	11+04.30 HILLTOP PARKING	18.10 RT	374594.30	501875.03
P20	1204+32.91 HILLTOP DR	125.82	11+08.99 HILLTOP PARKING	33.05 RT	374587.66	501889.34
P21	1204+34.43 HILLTOP DR	127.43	11+10.78 HILLTOP PARKING	34.57 RT	374588.07	501891.80
P22	1204+43.99 HILLTOP DR	127.81	11+21.66 HILLTOP PARKING	34.50 RT	374597.05	501899.77
P23	1204+38.16 HILLTOP DR	80.02	11+13.09 HILLTOP PARKING	13.00 LT	374622.06	501858.43
P24	1204+41.29 HILLTOP DR	78.70	11+16.82 HILLTOP PARKING	14.47 LT	374625.69	501859.74
P25	1204+42.70 HILLTOP DR	75.19	11+18.38 HILLTOP PARKING	18.04 LT	374629.17	501858.06
P26	1204+38.35 HILLTOP DR	75.02	11+13.09 HILLTOP PARKING	18.00 LT	374625.43	501854.75
P27	1204+43.21 HILLTOP DR	60.24	11+18.38 HILLTOP PARKING	33.00 LT	374639.10	501846.86
P28	1205+07.42 HILLTOP DR	58.98	11+98.35 HILLTOP PARKING	33.00 LT	374698.20	501887.68
P29	1205+08.37 HILLTOP DR	73.77	11+98.35 HILLTOP PARKING	18.17 LT	374691.30	501900.80
P30	1205+09.91 HILLTOP DR	77.25	11+99.94 HILLTOP PARKING	14.57 LT	374690.98	501904.70
P31	1205+13.14 HILLTOP DR	78.41	12+03.73 HILLTOP PARKING	13.13 LT	374693.55	501907.63
P32	1205+12.72 HILLTOP DR	73.43	12+03.64 HILLTOP PARKING	18.13 LT	374695.73	501903.13

STATION & OFFSET TABLE: HILLTOP DRIVE, HILLTOP PARKING						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P33	1205+22.61 HILLTOP DR	77.46	12+15.18 HILLTOP PARKING	13.13 LT	374703.46	501912.42
P34	1205+25.62 HILLTOP DR	75.67	12+18.97 HILLTOP PARKING	14.57 LT	374707.35	501912.61
P35	1205+26.62 HILLTOP DR	71.94	12+20.56 HILLTOP PARKING	18.17 LT	374710.20	501909.94
P36	1205+22.28 HILLTOP DR	72.47	12+15.27 HILLTOP PARKING	18.13 LT	374705.63	501907.91
P37	1205+25.26 HILLTOP DR	57.19	12+20.57 HILLTOP PARKING	33.00 LT	374716.20	501896.38
P38	1205+15.44 HILLTOP DR	125.97	12+02.94 HILLTOP PARKING	34.50 RT	374671.32	501949.76
P39	1205+25.02 HILLTOP DR	125.02	12+13.82 HILLTOP PARKING	34.50 RT	374682.13	501955.03
P40	1206+01.50 HILLTOP DR	41.40	13+10.53 HILLTOP PARKING	32.97 LT	374793.79	501918.76
P41	1206+05.59 HILLTOP DR	55.56	13+09.88 HILLTOP PARKING	18.24 LT	374791.06	501933.25
P42	1206+08.14 HILLTOP DR	58.64	13+11.40 HILLTOP PARKING	14.51 LT	374791.95	501937.14
P43	1206+12.12 HILLTOP DR	58.87	13+15.26 HILLTOP PARKING	13.00 LT	374795.41	501939.14
P44	1206+10.39 HILLTOP DR	54.18	13+15.17 HILLTOP PARKING	18.00 LT	374795.98	501934.17
P45	1206+22.53 HILLTOP DR	55.02	13+26.80 HILLTOP PARKING	13.00 LT	374806.43	501940.39
P46	1206+32.41 HILLTOP DR	46.95	13+63.10 HILLTOP PARKING	15.92 LT	374818.89	501937.64
P47	1206+35.17 HILLTOP DR	34.50	13+75.24 HILLTOP PARKING	12.00 LT	374826.97	501927.76
P48	1206+15.86 HILLTOP DR	36.76	13+74.82 HILLTOP PARKING	31.44 LT	374808.71	501921.08
P49	1206+34.33 HILLTOP DR	25.58	13+84.20 HILLTOP PARKING	12.00 LT	374830.23	501919.43
P50	1206+29.49 HILLTOP DR	15.90	13+94.29 HILLTOP PARKING	15.90 LT	374830.26	501908.60
P51	1206+19.40 HILLTOP DR	12.00	13+99.13 HILLTOP PARKING	25.58 LT	374823.01	501900.57
P52	1206+19.40 HILLTOP DR	27.00	13+84.20 HILLTOP PARKING	27.00 LT	374816.25	501913.96
P53	1206+71.27 HILLTOP DR	83.58	10+58.37 HILLTOP PARKING	297.78 LT	374837.09	501987.84
P54	1206+63.95 HILLTOP DR	69.10	10+44.71 HILLTOP PARKING	289.03 LT	374837.07	501971.62
P55	1206+62.58 HILLTOP DR	65.63	10+41.40 HILLTOP PARKING	287.32 LT	374837.42	501967.90
P56	1206+61.89 HILLTOP DR	61.96	10+37.82 HILLTOP PARKING	286.25 LT	374838.44	501964.32
P57	1206+81.80 HILLTOP DR	60.08	10+33.92 HILLTOP PARKING	305.87 LT	374857.07	501971.60
P58	1206+61.21 HILLTOP DR	54.86	13+52.52 HILLTOP PARKING	12.00 RT	374841.04	501957.67
P59	1206+60.27 HILLTOP DR	44.90	13+62.52 HILLTOP PARKING	12.00 RT	374844.68	501948.36
P60	1206+70.13 HILLTOP DR	19.72	13+86.66 HILLTOP PARKING	24.19 RT	374864.83	501930.31
P61	1206+97.81 HILLTOP DR	11.99	13+91.18 HILLTOP PARKING	50.86 RT	374891.31	501935.81
P62	1206+97.53 HILLTOP DR	14.98	2028+56.04 MAIN ST	125.50 LT	374889.44	501938.16
P63	1206+93.80 HILLTOP DR	41.85	13+62.52 HILLTOP PARKING	42.00 RT	374872.63	501959.28
P115	1204+65.09 HILLTOP DR	237.48	0+00.00	0.00	374836.74	501623.58

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STATION & OFFSET TABLE: HILLTOP DRIVE, MAIN STREET						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P62	1206+97.53 HILLTOP DR	14.98	2028+56.04 MAIN ST	125.50 LT	374889.44	501938.16
P64	1207+14.74 HILLTOP DR	11.99	2028+69.53 MAIN ST	118.56 LT	374902.89	501945.17
P65	1207+53.14 HILLTOP DR	11.98	2028+89.05 MAIN ST	91.23 LT	374922.27	501972.60
P66	1207+91.54 HILLTOP DR	11.98	2028+96.90 MAIN ST	58.57 LT	374929.96	502005.30
P68	1208+02.07 HILLTOP DR	12.19	2028+96.78 MAIN ST	48.56 LT	374929.78	502015.30
P69	1208+25.23 HILLTOP DR	23.23	2028+85.73 MAIN ST	25.40 LT	374918.62	502038.41
P70	1208+34.63 HILLTOP DR	47.10	2028+61.86 MAIN ST	16.00 LT	374894.70	502047.69
P71	1207+99.63 HILLTOP DR	47.10	2028+61.86 MAIN ST	51.00 LT	374894.88	502012.69
P72	1208+34.63 HILLTOP DR	55.10	2028+53.86 MAIN ST	16.00 LT	374886.70	502047.65
P73	1206+44.85 HILLTOP DR	163.26	2027+44.78 MAIN ST	16.00 LT	374777.61	502047.08
P74	1206+58.66 HILLTOP DR	191.01	2027+44.77 MAIN ST	15.00 RT	374777.45	502078.08
P75	0+00.00	0.00	2029+30.04 MAIN ST	15.00 RT	374962.71	502079.04
P78	1208+35.94 HILLTOP DR	55.45	2029+63.74 MAIN ST	16.00 LT	374997.24	502049.53
P79	1208+35.50 HILLTOP DR	45.46	2029+53.74 MAIN ST	16.00 LT	374987.26	502049.03
P80	1208+24.74 HILLTOP DR	21.71	2029+30.68 MAIN ST	25.90 LT	374963.56	502038.14
P81	1208+00.54 HILLTOP DR	12.00	2029+20.97 MAIN ST	50.10 LT	374953.98	502013.90
P82	1208+00.54 HILLTOP DR	47.00	2029+53.74 MAIN ST	51.00 LT	374988.98	502014.08
P83	1207+91.10 HILLTOP DR	12.02	2029+20.86 MAIN ST	60.12 LT	374953.92	502003.87
P84	1207+72.09 HILLTOP DR	12.02	2029+17.82 MAIN ST	81.15 LT	374950.99	501982.82
P85	1207+59.27 HILLTOP DR	18.07	2029+19.18 MAIN ST	97.03 LT	374952.44	501966.95
P86	1207+53.82 HILLTOP DR	32.47	2029+29.86 MAIN ST	108.86 LT	374963.18	501955.18
P87	1207+72.09 HILLTOP DR	37.02	2029+38.27 MAIN ST	87.32 LT	374975.31	501977.04
P88	1207+52.35 HILLTOP DR	57.86	2029+46.72 MAIN ST	122.00 LT	374985.45	501942.82
P89	1207+52.37 HILLTOP DR	61.93	2029+50.34 MAIN ST	123.86 LT	374989.16	501941.14
P90	1207+52.78 HILLTOP DR	65.95	2029+54.21 MAIN ST	125.11 LT	374993.09	501940.08
P91	1207+67.83 HILLTOP DR	61.70	2029+59.91 MAIN ST	100.77 LT	374997.59	501964.67
P92	1207+57.42 HILLTOP DR	103.91	2029+92.10 MAIN ST	133.98 LT	375031.37	501933.08
P93	1207+55.86 HILLTOP DR	109.62	2029+95.91 MAIN ST	139.31 LT	375035.43	501927.94
P94	1207+29.72 HILLTOP DR	71.22	2029+36.96 MAIN ST	160.24 LT	374977.58	501904.15
P95	1207+33.97 HILLTOP DR	59.00	0+00.00	0.00	374971.92	501917.05
P96	1207+35.95 HILLTOP DR	51.52	2029+34.03 MAIN ST	140.23 LT	374967.51	501923.83
P97	1207+36.37 HILLTOP DR	43.45	2029+27.72 MAIN ST	135.18 LT	374961.16	501928.85
P98	1207+19.42 HILLTOP DR	47.65	2029+15.47 MAIN ST	156.97 LT	374949.03	501906.99
P99	1207+35.68 HILLTOP DR	32.47	2029+18.10 MAIN ST	129.78 LT	374951.53	501934.20
P100	1207+30.23 HILLTOP DR	18.06	2029+02.45 MAIN ST	126.80 LT	374935.86	501937.09
P101	1207+17.41 HILLTOP DR	12.01	2028+88.18 MAIN ST	133.89 LT	374921.62	501929.93
P102	1207+17.40 HILLTOP DR	37.01	2029+05.86 MAIN ST	151.57 LT	374939.39	501912.34

STATION & OFFSET TABLE: MAIN STREET, SHARED USE PATH						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P103	2025+52.41 MAIN ST	16.00	1082+52.89 TRAIL	93.42 LT	374585.24	502046.09
P104	2024+59.86 MAIN ST	11.00	1082+62.49 TRAIL	0.42 LT	374492.21	502055.31
P105	2024+59.97 MAIN ST	17.98	1082+55.51 TRAIL	0.19 LT	374492.00	502048.33
P106	2024+65.14 MAIN ST	18.62	1082+54.62 TRAIL	5.32 LT	374497.14	502047.46
P107	2024+68.60 MAIN ST	20.90	1082+52.17 TRAIL	8.66 LT	374500.49	502045.02
P108	2024+61.48 MAIN ST	27.93	1082+45.51 TRAIL	1.21 LT	374493.06	502038.33
P109	2024+73.68 MAIN ST	28.40	1082+44.43 TRAIL	13.37 LT	374505.23	502037.30
P110	2024+75.74 MAIN ST	37.22	1082+35.51 TRAIL	14.99 LT	374506.89	502028.39
P111	2024+60.86 MAIN ST	37.92	1082+35.55 TRAIL	0.10 LT	374491.99	502028.37
P112	2024+56.29 MAIN ST	30.91	1082+42.62 TRAIL	2.80 RT	374489.06	502035.42
P113	2024+49.23 MAIN ST	28.00	1082+45.58 TRAIL	9.84 RT	374482.01	502038.36
P114	2024+49.23 MAIN ST	38.00	1082+35.58 TRAIL	9.90 RT	374481.99	502028.36

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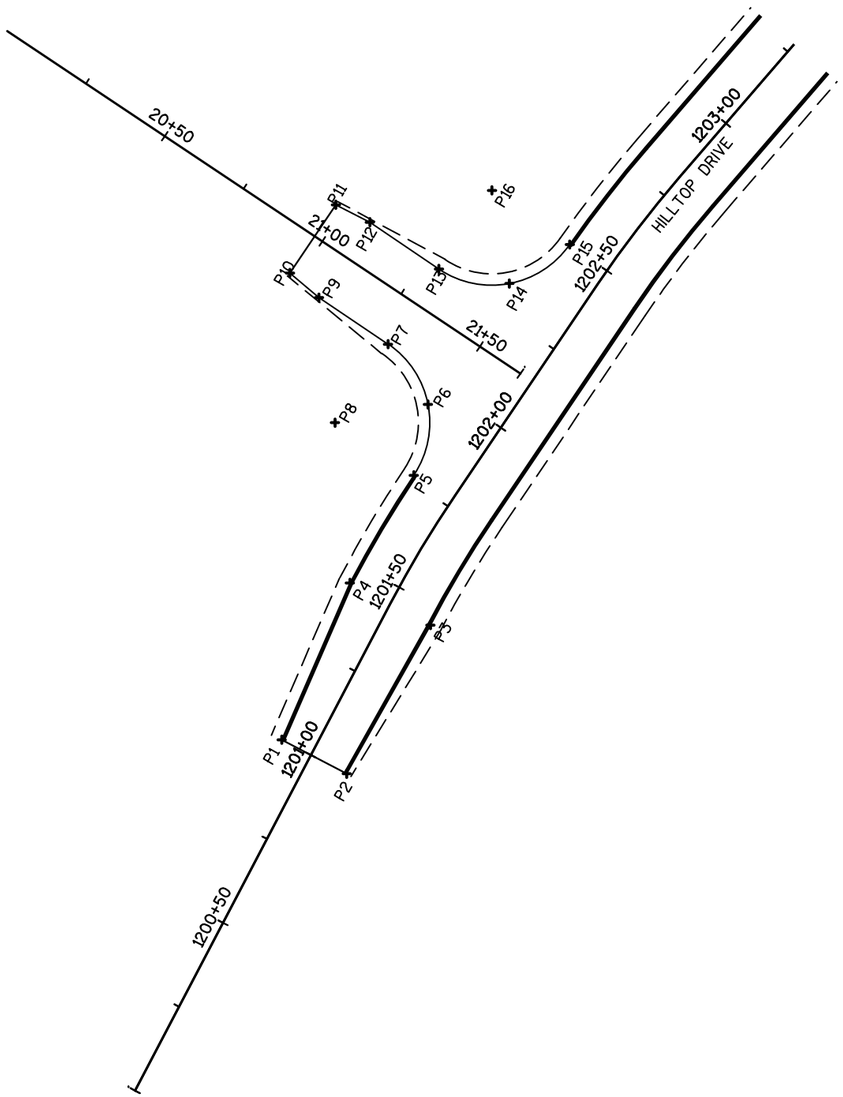
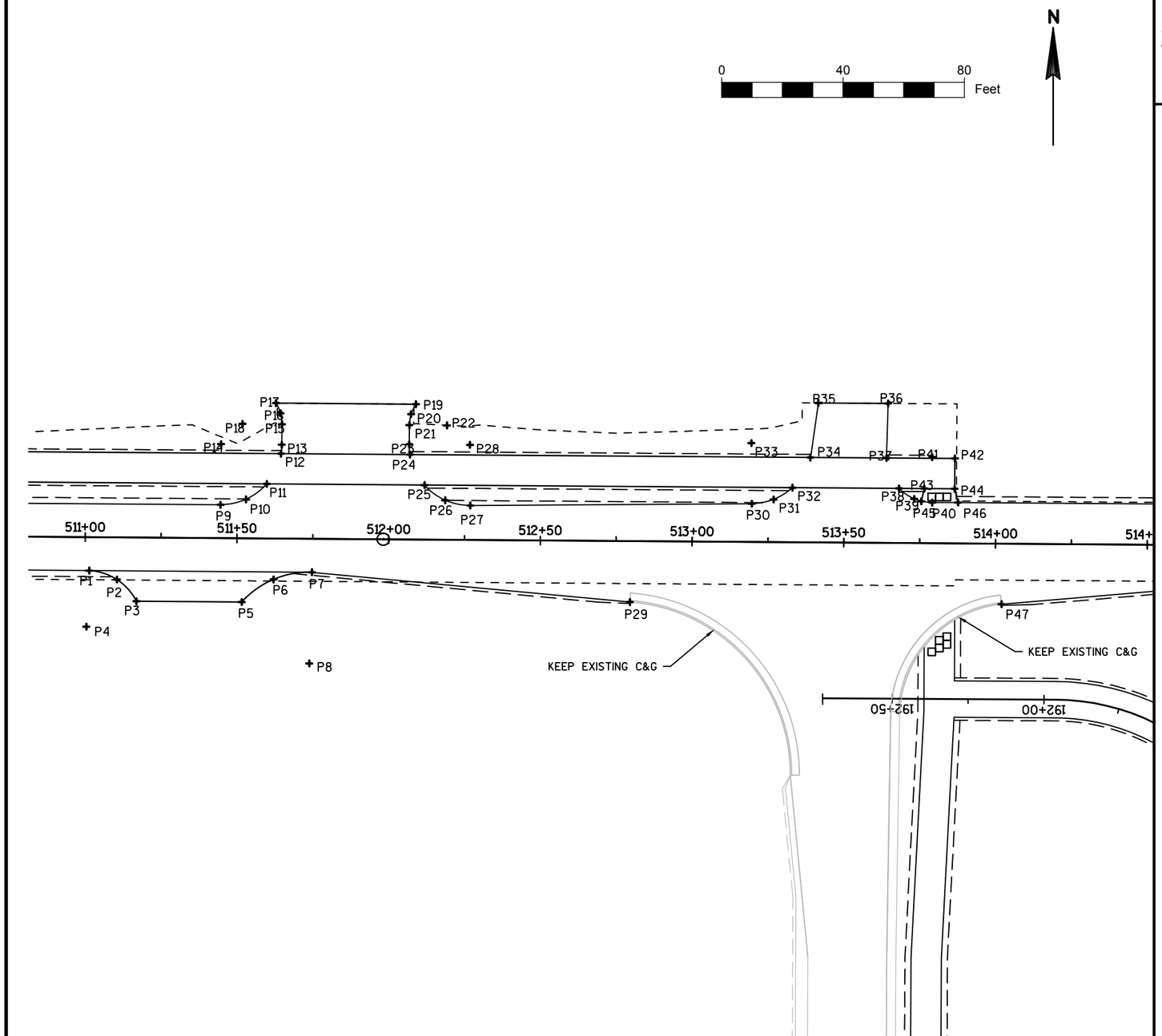
WISDOT/CADDS SHEET 42





PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	INTERSECTION DETAIL: HILLTOP ROAD & HOULTON SCHOOL CIRCLE	SHEET 46 E

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PLOT DATE : 1/2/2018 2:12 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:40 FT

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STATION & OFFSET TABLE: HILLTOP DRIVE, HILLTOP ROAD						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P1	1201+00.00 HILLTOP DR	8.72	0+00.00	0.00	374406.05	501589.62
P2	1201+00.00 HILLTOP DR	10.63	0+00.00	0.00	374397.07	501606.76
P3	1201+45.00 HILLTOP DR	12.00	0+00.00	0.00	374436.29	501628.86
P4	1201+45.00 HILLTOP DR	12.00	21+56.11 HILLTOP RD	70.95 RT	374447.43	501607.60
P5	1201+76.78 HILLTOP DR	12.00	21+54.36 HILLTOP RD	37.95 RT	374475.84	501624.46
P6	1201+94.31 HILLTOP DR	19.36	21+47.08 HILLTOP RD	20.32 RT	374494.55	501628.20
P7	1202+01.59 HILLTOP DR	37.00	21+29.49 HILLTOP RD	12.96 RT	374510.44	501617.66
P8	1201+76.78 HILLTOP DR	37.00	21+29.36 HILLTOP RD	37.96 RT	374489.72	501603.67
P9	1202+01.59 HILLTOP DR	58.97	21+07.52 HILLTOP RD	12.84 RT	374522.74	501599.44
P10	1202+02.68 HILLTOP DR	68.97	20+97.52 HILLTOP RD	11.70 RT	374529.24	501591.77
P11	1202+24.39 HILLTOP DR	68.97	20+97.63 HILLTOP RD	10.01 LT	374547.23	501603.91
P12	1202+25.59 HILLTOP DR	58.97	21+07.64 HILLTOP RD	11.16 LT	374542.63	501612.87
P13	1202+25.59 HILLTOP DR	36.97	21+29.64 HILLTOP RD	11.04 LT	374530.32	501631.11
P14	1202+32.79 HILLTOP DR	19.41	21+47.23 HILLTOP RD	18.15 LT	374526.46	501649.68
P15	1202+50.07 HILLTOP DR	12.00	21+54.76 HILLTOP RD	35.56 LT	374536.76	501665.62
P16	1202+50.07 HILLTOP DR	37.00	21+29.77 HILLTOP RD	36.04 LT	374551.04	501645.10

STATION & OFFSET TABLE: HOULTON SCHOOL CIRCLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
P1	511+01.41 HOULTON SCHOOL CI	11.00 RT	373556.59	503167.38
P2	511+10.58 HOULTON SCHOOL CI	13.90 RT	373553.63	503176.53
P3	511+17.06 HOULTON SCHOOL CI	21.00 RT	373546.48	503182.95
P4	511+00.61 HOULTON SCHOOL CI	29.50 RT	373538.10	503166.44
P5	511+51.74 HOULTON SCHOOL CI	21.00 RT	373546.23	503217.63
P6	511+62.18 HOULTON SCHOOL CI	13.47 RT	373553.68	503228.13
P7	511+74.81 HOULTON SCHOOL CI	11.00 RT	373556.06	503240.78
P8	511+74.14 HOULTON SCHOOL CI	41.07 RT	373526.00	503239.89
P9	511+44.55 HOULTON SCHOOL CI	11.00 LT	373578.28	503210.68
P10	511+52.92 HOULTON SCHOOL CI	12.83 LT	373580.05	503219.06
P11	511+59.75 HOULTON SCHOOL CI	18.00 LT	373585.17	503225.93
P12	511+64.32 HOULTON SCHOOL CI	28.00 LT	373595.13	503230.57
P13	511+64.55 HOULTON SCHOOL CI	30.96 LT	373598.09	503230.82
P14	511+44.55 HOULTON SCHOOL CI	31.00 LT	373598.28	503210.82
P15	511+64.57 HOULTON SCHOOL CI	37.71 LT	373604.84	503230.89
P16	511+64.06 HOULTON SCHOOL CI	41.32 LT	373608.46	503230.41
P17	511+62.57 HOULTON SCHOOL CI	44.65 LT	373611.80	503228.94
P18	511+51.57 HOULTON SCHOOL CI	37.74 LT	373604.96	503217.89
P19	512+08.70 HOULTON SCHOOL CI	44.65 LT	373611.46	503275.06
P20	512+07.11 HOULTON SCHOOL CI	41.34 LT	373608.16	503273.45
P21	512+06.57 HOULTON SCHOOL CI	37.71 LT	373604.54	503272.89
P22	512+18.96 HOULTON SCHOOL CI	37.71 LT	373604.45	503285.27
P23	512+06.57 HOULTON SCHOOL CI	31.38 LT	373598.20	503272.84
P24	512+06.86 HOULTON SCHOOL CI	28.00 LT	373594.82	503273.10

STATION & OFFSET TABLE: HOULTON SCHOOL CIRCLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
P25	512+11.70 HOULTON SCHOOL CI	18.00 LT	373584.79	503277.88
P26	512+18.55 HOULTON SCHOOL CI	13.05 LT	373579.80	503284.69
P27	512+26.84 HOULTON SCHOOL CI	11.38 LT	373578.06	503292.96
P28	512+26.57 HOULTON SCHOOL CI	31.38 LT	373598.06	503292.84
P29	512+79.66 HOULTON SCHOOL CI	20.09 RT	373546.21	503345.56
P30	513+19.59 HOULTON SCHOOL CI	12.61 LT	373578.63	503385.72
P31	513+26.79 HOULTON SCHOOL CI	14.06 LT	373580.03	503392.93
P32	513+32.98 HOULTON SCHOOL CI	18.00 LT	373583.92	503399.15
P33	513+19.33 HOULTON SCHOOL CI	32.61 LT	373598.63	503385.60
P34	513+38.79 HOULTON SCHOOL CI	28.00 LT	373593.88	503405.03
P35	513+41.32 HOULTON SCHOOL CI	46.00 LT	373611.86	503407.69
P36	513+64.27 HOULTON SCHOOL CI	46.00 LT	373611.70	503430.64
P37	513+63.90 HOULTON SCHOOL CI	28.00 LT	373593.70	503430.14
P38	513+68.09 HOULTON SCHOOL CI	18.00 LT	373583.67	503434.26
P39	513+73.12 HOULTON SCHOOL CI	14.56 LT	373580.20	503439.26
P40	513+79.10 HOULTON SCHOOL CI	13.41 LT	373579.00	503445.23
P41	513+78.99 HOULTON SCHOOL CI	28.41 LT	373594.00	503445.23
P42	513+86.44 HOULTON SCHOOL CI	28.00 LT	373593.54	503452.68
P43	513+76.44 HOULTON SCHOOL CI	18.00 LT	373583.61	503442.61
P44	513+86.44 HOULTON SCHOOL CI	18.00 LT	373583.54	503452.61
P45	513+75.44 HOULTON SCHOOL CI	13.81 LT	373579.43	503441.58
P46	513+87.57 HOULTON SCHOOL CI	13.50 LT	373579.04	503453.70
P47	515+00.08 HOULTON SCHOOL CI	11.00 RT	373553.73	503566.04
P47	514+02.14 HOULTON SCHOOL CI	19.90 RT	373545.53	503468.03

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WISDOT/CADDS SHEET 42

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P8

P16

P1 P2 P3 P4 P6 P7 P9 P28 P27

518+50 519+00 519+50 520+00 520+50 521+00 521+50 522+00 522+50

P17 P18 P19 P10 P11 P12 P13 P14 P15

P20 P5 P21 P22 P23 P24 P25 P26

0 30 60 Feet

PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	INTERSECTION DETAIL: MAIN TRAILHEAD	SHEET 49	E

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STATION & OFFSET TABLE: MAIN TRAILHEAD PARKING				
POINT	STATION	OFFSET	Y COORDS	X COORDS
P1	519+33.69 HOULTON SCHOOL CI	13.47 LT	373575.10	503999.81
P2	519+62.40 HOULTON SCHOOL CI	13.80 LT	373574.87	504029.80
P3	519+77.40 HOULTON SCHOOL CI	15.56 LT	373572.65	504048.10
P4	519+92.09 HOULTON SCHOOL CI	17.28 LT	373566.29	504065.41
P5	520+08.33 HOULTON SCHOOL CI	61.38 RT	373494.87	504029.37
P6	520+15.83 HOULTON SCHOOL CI	25.42 LT	373557.17	504090.27
P7	520+51.57 HOULTON SCHOOL CI	34.65 LT	373553.97	504116.56
P8	519+88.67 HOULTON SCHOOL CI	132.08 LT	373668.96	504117.21
P9	520+72.57 HOULTON SCHOOL CI	37.14 LT	373553.89	504130.22
P10	520+05.07 HOULTON SCHOOL CI	0.03 LT	373543.81	504066.61
P11	520+30.22 HOULTON SCHOOL CI	8.52 LT	373536.52	504091.06
P12	520+58.26 HOULTON SCHOOL CI	15.28 LT	373533.97	504116.44
P13	520+74.43 HOULTON SCHOOL CI	17.18 LT	373533.89	504130.11
P14	520+42.03 HOULTON SCHOOL CI	8.86 RT	373515.77	504094.21
P15	520+76.16 HOULTON SCHOOL CI	17.42 RT	373499.24	504129.91
P16	521+02.46 HOULTON SCHOOL CI	89.30 LT	373605.72	504157.53
P17	519+45.67 HOULTON SCHOOL CI	10.96 RT	373550.59	504011.61
P18	519+72.14 HOULTON SCHOOL CI	14.87 RT	373545.04	504034.31
P19	520+03.00 HOULTON SCHOOL CI	20.10 RT	373529.79	504052.01
P20	519+45.83 HOULTON SCHOOL CI	60.96 RT	373500.59	504011.42
P21	520+40.27 HOULTON SCHOOL CI	28.86 RT	373498.13	504084.56
P22	520+76.76 HOULTON SCHOOL CI	37.41 RT	373479.24	504129.80
P23	520+77.21 HOULTON SCHOOL CI	57.90 RT	373458.74	504129.69
P24	521+07.53 HOULTON SCHOOL CI	57.83 RT	373458.56	504161.78
P25	521+27.98 HOULTON SCHOOL CI	57.83 RT	373458.44	504182.23
P26	522+55.04 HOULTON SCHOOL CI	57.83 RT	373457.74	504309.29
P27	522+55.04 HOULTON SCHOOL CI	57.83 LT	373573.40	504309.93
P28	520+68.85 HOULTON SCHOOL CI	57.55 LT	373574.39	504130.33

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021101_ID.DWG
LAYOUT NAME - 021101 - 021101_ID
PLOT DATE : 1/2/2018 2:07 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

2

2

HILLTOP PARKING

N

0 20 40 Feet

1+50

1+00

0+50

0+50

HILLTOP TRAIL 1

HILLTOP TRAIL 2

LINE S

LINE T

LINE F

MULTI-USE TRAIL

1' 12' 1'

1' 12' 1'

P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 P20 P21 P22 P23 P24 P25 P26 P27 P28

1079+50 1080+00 1080+50 1081+00 1081+50 1082+00 1082+50

2' 15' 2'

PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	INTERSECTION DETAIL: HILLTOP TRAILHEAD	SHEET 51	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021102_ID_SIDE TRAILS.DWG
LAYOUT NAME - 021101 - 021101_ID

PLOT DATE : 1/3/2018 1:56 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE: MULTI-USE TRAIL, HILLTOP TRAIL 1						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P1	1080+79.80 MULTI USE	15.00	0+13.82 HILLTOP TRAIL 1	10.38 LT	374521.24	501876.07
P2	1080+83.11 MULTI USE	16.25	0+15.48 HILLTOP TRAIL 1	7.25 LT	374521.95	501879.54
P3	1080+84.76 MULTI USE	19.38	0+18.79 HILLTOP TRAIL 1	6.00 LT	374524.78	501881.66
P4	1080+79.80 MULTI USE	20.00	0+18.79 HILLTOP TRAIL 1	11.00 LT	374526.17	501876.86
P5	1080+88.14 MULTI USE	46.57	0+46.18 HILLTOP TRAIL 1	6.00 LT	374551.08	501889.31
P6	1080+83.47 MULTI USE	57.62	0+56.57 HILLTOP TRAIL 1	12.00 LT	374562.74	501886.45
P7	1080+90.71 MULTI USE	67.19	0+66.96 HILLTOP TRAIL 1	6.00 LT	374571.04	501895.11
P8	1080+95.38 MULTI USE	56.14	0+56.57 HILLTOP TRAIL 1	0.00	374559.39	501897.97
P9	1081+03.08 MULTI USE	69.38	0+70.33 HILLTOP TRAIL 1	6.04 RT	374571.24	501907.67
P10	1080+97.91 MULTI USE	27.90	0+28.86 HILLTOP TRAIL 1	6.00 RT	374531.10	501896.00
P11	1080+97.11 MULTI USE	21.41	0+22.33 HILLTOP TRAIL 1	6.00 RT	374524.83	501894.18
P12	1080+98.22 MULTI USE	16.68	0+17.77 HILLTOP TRAIL 1	7.69 RT	374519.98	501894.53
P13	1081+01.97 MULTI USE	14.99	0+16.55 HILLTOP TRAIL 1	11.62 RT	374517.72	501897.96
P14	1081+01.97 MULTI USE	19.99	0+21.51 HILLTOP TRAIL 1	11.00 RT	374522.65	501898.75

STATION & OFFSET TABLE: MULTI-USE TRAIL, HILLTOP TRAIL 2						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P15	1081+11.21 MULTI USE	14.99	0+14.95 HILLTOP TRAIL 2	11.05 LT	374516.25	501907.08
P16	1081+14.74 MULTI USE	16.45	0+16.42 HILLTOP TRAIL 2	7.53 LT	374517.13	501910.80
P17	1081+16.21 MULTI USE	20.97	0+20.95 HILLTOP TRAIL 2	6.07 LT	374521.37	501912.97
P18	1081+11.21 MULTI USE	19.99	0+19.95 HILLTOP TRAIL 2	11.07 LT	374521.19	501907.87
P19	1081+16.24 MULTI USE	27.95	0+27.93 HILLTOP TRAIL 2	6.06 LT	374528.25	501914.10
P20	1081+16.42 MULTI USE	69.63	0+69.61 HILLTOP TRAIL 2	6.02 LT	374569.38	501920.89
P21	1081+28.43 MULTI USE	71.01	0+71.11 HILLTOP TRAIL 2	5.98 RT	374568.84	501932.96
P22	1081+38.74 MULTI USE	82.22	0+85.47 HILLTOP TRAIL 2	14.99 RT	374578.27	501944.91
P23	1081+33.94 MULTI USE	96.66	0+99.84 HILLTOP TRAIL 2	6.00 RT	374593.29	501942.46
P24	1081+24.08 MULTI USE	85.37	0+85.48 HILLTOP TRAIL 2	0.00	374583.70	501930.94
P25	1081+28.21 MULTI USE	20.01	0+20.03 HILLTOP TRAIL 2	5.93 RT	374518.52	501924.66
P26	1081+29.67 MULTI USE	16.46	0+16.49 HILLTOP TRAIL 2	7.40 RT	374514.78	501925.54
P27	1081+33.21 MULTI USE	14.99	0+15.03 HILLTOP TRAIL 2	10.95 RT	374512.77	501928.80
P28	1081+33.21 MULTI USE	19.99	0+20.03 HILLTOP TRAIL 2	10.93 RT	374517.70	501929.60

2

2

N

SHARED USE PATH

MAIN TRAIL 2

MAIN TRAIL 1

LINE R

LINE E

LINE Q

P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 P20 P21 P22 P23 P24 P25 P26 P27 P28 P29 P30 P31 P32 P33 P34 P35 P36 P37 P38

1' 20' 1'

1' 20' 1'

1' 12' 1'

187+00 186+50 185+50 185+00 184+50 0+00 0+50 1+00 1+50 2+00

0 20 40 Feet

PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	INTERSECTION DETAILL: MAIN TRAILHEAD	SHEET 53	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021102_ID_SIDE TRAILS.DWG
LAYOUT NAME - 021101 - 021102_ID

PLOT DATE : 1/3/2018 8:09 AM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

STATION & OFFSET TABLE: SHARED USE PATH, MAIN SIDE TRAIL 1						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P35	184+22.77 SHARED USE	6.05	0+59.65 MAIN TRAIL 1	21.74 LT	373226.76	504136.93
P36	184+15.44 SHARED USE	11.72	0+58.60 MAIN TRAIL 1	11.84 LT	373229.31	504146.56
P37	184+16.42 SHARED USE	21.62	0+66.33 MAIN TRAIL 1	6.00 LT	373238.91	504149.21
P38	184+23.06 SHARED USE	16.04	0+67.12 MAIN TRAIL 1	15.97 LT	373236.42	504139.53

STATION & OFFSET TABLE: SHARED USE PATH, MAIN SIDE TRAIL 2						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P1	186+12.41 SHARED USE	6.00	0+04.89 MAIN TRAIL 2	13.34 LT	373335.12	504011.84
P2	186+10.04 SHARED USE	6.99	0+06.25 MAIN TRAIL 2	10.95 LT	373333.14	504013.75
P3	186+08.90 SHARED USE	9.43	0+08.84 MAIN TRAIL 2	10.00 LT	373332.87	504016.49
P4	186+12.41 SHARED USE	10.00	0+08.84 MAIN TRAIL 2	14.00 LT	373336.74	504015.49
P5	185+91.19 SHARED USE	10.29	0+09.71 MAIN TRAIL 2	10.00 RT	373313.72	504022.34
P6	185+89.85 SHARED USE	7.32	0+06.56 MAIN TRAIL 2	11.11 RT	373311.86	504019.58
P7	185+87.02 SHARED USE	6.03	0+04.82 MAIN TRAIL 2	13.95 RT	373308.67	504018.60
P8	185+86.86 SHARED USE	11.02	0+09.71 MAIN TRAIL 2	15.00 RT	373308.88	504023.59
P9	186+06.35 SHARED USE	43.29	0+42.87 MAIN TRAIL 2	10.00 LT	373341.39	504049.44
P10	186+07.90 SHARED USE	51.00	0+50.30 MAIN TRAIL 2	13.25 LT	373346.40	504055.82
P11	186+10.28 SHARED USE	58.00	0+56.75 MAIN TRAIL 2	18.16 LT	373352.77	504060.83
P12	186+28.22 SHARED USE	41.12	0+32.99 MAIN TRAIL 2	42.67 LT	373370.55	504031.70
P13	186+12.03 SHARED USE	63.51	0+61.73 MAIN TRAIL 2	22.12 LT	373357.85	504064.67

STATION & OFFSET TABLE: MAIN SIDE TRAIL 2, MAIN SIDE TRAIL 1						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P14	0+90.33 MAIN TRAIL 2	20.05	1+77.90 MAIN TRAIL 1	56.91 LT	373363.00	504092.87
P15	0+86.67 MAIN TRAIL 2	15.04	1+72.91 MAIN TRAIL 1	57.97 LT	373357.24	504090.58
P16	0+88.12 MAIN TRAIL 2	11.48	1+70.89 MAIN TRAIL 1	55.13 LT	373354.15	504092.87
P17	0+91.67 MAIN TRAIL 2	10.00	1+71.02 MAIN TRAIL 1	51.29 LT	373353.61	504096.68
P18	0+94.66 MAIN TRAIL 2	10.00	1+72.05 MAIN TRAIL 1	48.58 LT	373354.36	504099.58
P19	0+91.67 MAIN TRAIL 2	15.00	1+74.59 MAIN TRAIL 1	53.45 LT	373358.45	504095.43
P20	0+94.66 MAIN TRAIL 2	15.00	1+75.65 MAIN TRAIL 1	50.77 LT	373359.20	504098.33
P21	1+14.66 MAIN TRAIL 2	15.00	1+84.38 MAIN TRAIL 1	32.92 LT	373364.21	504117.69
P22	1+14.66 MAIN TRAIL 2	10.00	1+79.92 MAIN TRAIL 1	30.66 LT	373359.37	504118.94
P23	1+28.59 MAIN TRAIL 2	10.00	1+86.21 MAIN TRAIL 1	18.23 LT	373362.86	504132.43
P24	1+36.45 MAIN TRAIL 2	12.22	1+91.74 MAIN TRAIL 1	12.22 LT	373366.97	504139.48
P25	1+41.98 MAIN TRAIL 2	18.23	1+99.60 MAIN TRAIL 1	10.00 LT	373374.17	504143.33
P26	1+28.59 MAIN TRAIL 2	25.00	1+99.60 MAIN TRAIL 1	25.00 LT	373377.38	504128.68
P27	1+15.60 MAIN TRAIL 2	10.00	1+63.87 MAIN TRAIL 1	21.26 LT	373340.24	504124.86
P28	1+17.23 MAIN TRAIL 2	10.00	1+64.45 MAIN TRAIL 1	19.76 LT	373340.65	504126.44
P29	1+25.45 MAIN TRAIL 2	14.34	1+63.75 MAIN TRAIL 1	10.50 LT	373338.50	504135.48
P30	1+26.58 MAIN TRAIL 2	23.56	1+55.94 MAIN TRAIL 1	6.00 LT	373329.86	504138.88
P31	1+25.89 MAIN TRAIL 2	25.39	1+54.04 MAIN TRAIL 1	6.00 LT	373327.91	504138.68
P32	1+17.18 MAIN TRAIL 2	20.03	1+55.90 MAIN TRAIL 1	16.03 LT	373330.92	504128.91
P33	1+15.60 MAIN TRAIL 2	21.58	1+54.04 MAIN TRAIL 1	16.97 LT	373329.03	504127.76
P34	1+31.85 MAIN TRAIL 2	46.11	1+36.12 MAIN TRAIL 1	6.00 RT	373309.35	504149.63

2

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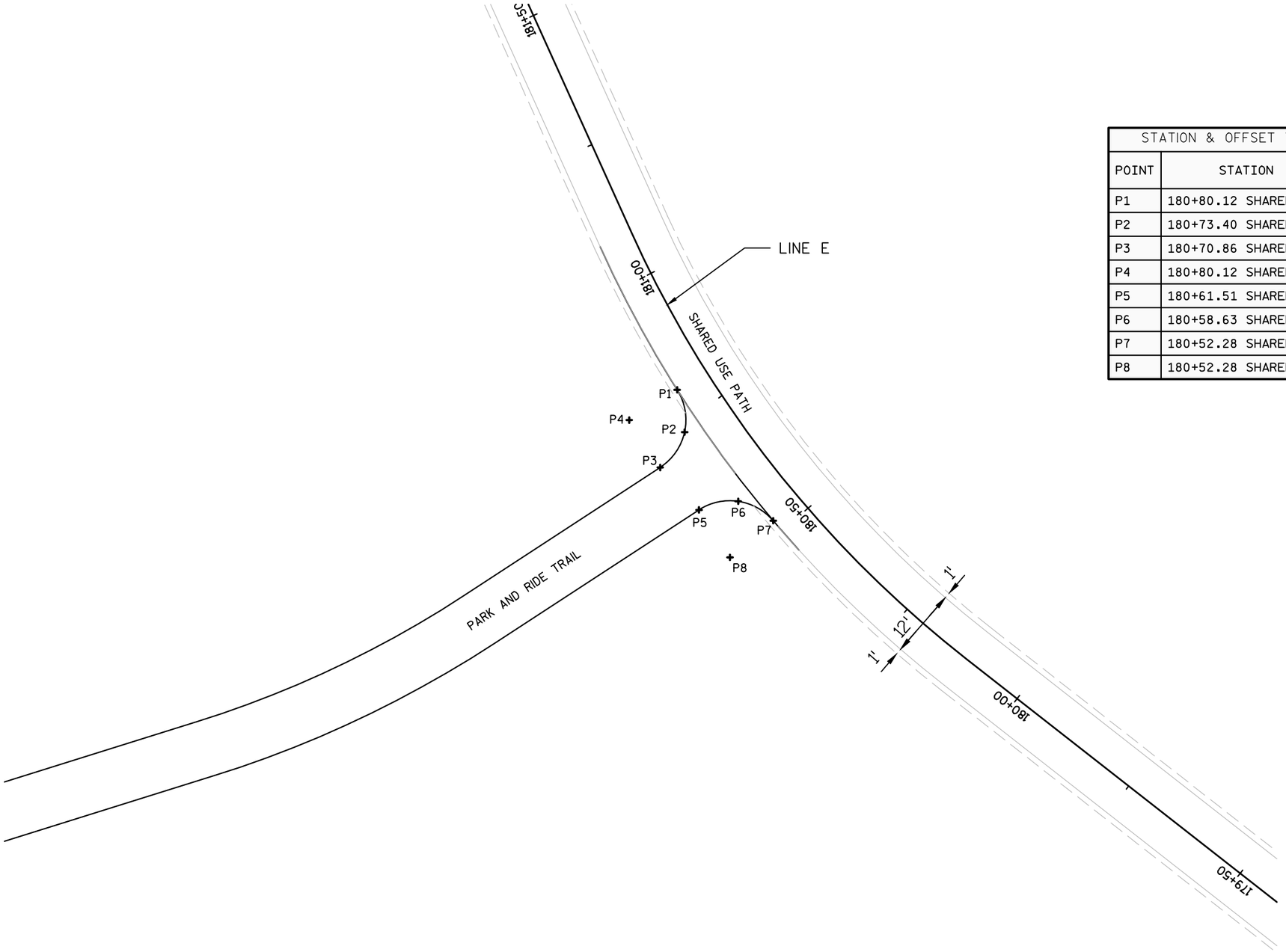


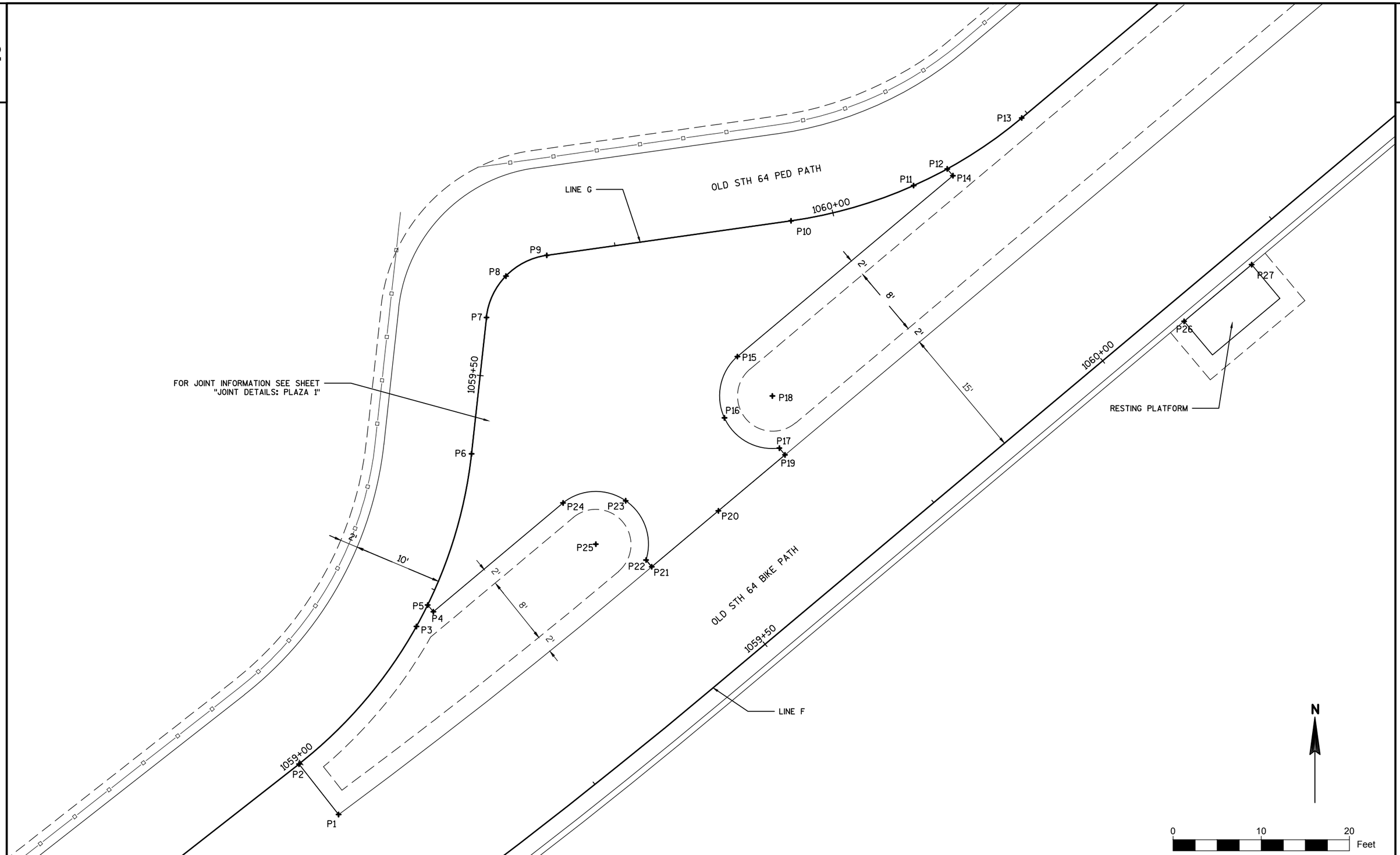
STATION & OFFSET TABLE: PARK AND RIDE CONNECTION				
POINT	STATION	OFFSET	Y COORDS	X COORDS
P1	180+80.12 SHARED USE	6.07 LT	372923.49	504292.89
P2	180+73.40 SHARED USE	9.06 LT	372916.03	504294.21
P3	180+70.86 SHARED USE	16.15 LT	372909.78	504289.90
P4	180+80.12 SHARED USE	16.07 LT	372918.15	504284.44
P5	180+61.51 SHARED USE	15.06 LT	372902.30	504296.74
P6	180+58.63 SHARED USE	8.68 LT	372903.82	504303.65
P7	180+52.28 SHARED USE	6.07 LT	372900.39	504309.84
P8	180+52.28 SHARED USE	16.07 LT	372893.93	504302.21

0 20 40 Feet

PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	INTERSECTION DETAIL: PARK AND RIDE CONNECTION TO MAIN PATH	SHEET 55	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021102_ID_SIDE TRAILS.DWG
LAYOUT NAME - 021101 - 021103_ID
PLOT DATE : 1/3/2018 8:19 AM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : ********
WISDOT/CADDS SHEET 42

2



PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	INTERSECTION DETAIL: OLD STH 64 PLAZA 1	SHEET 56	E

STATION & OFFSET TABLE: OLD STH 64 PLAZA 1						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P1	1058+99.58 BIKE	14.99	1058+99.70 PED	7.27 RT	372797.04	500613.66
P2	1058+99.37 BIKE	22.26	1058+99.70 PED	RT	372802.76	500609.17
P3	1059+20.16 BIKE	26.61	1059+20.37 PED	0.00	372818.38	500622.50
P4	1059+22.79 BIKE	26.74	1059+22.71 PED	0.92 RT	372820.04	500624.41
P5	1059+22.76 BIKE	27.74	1059+23.11 PED	0.00	372820.81	500623.76
P6	1059+38.18 BIKE	37.94	1059+41.07 PED	0.00	372837.97	500628.74
P7	1059+49.65 BIKE	48.70	1059+56.62 PED	0.00	372853.43	500630.44
P8	1059+54.36 BIKE	50.88	1059+61.91 PED	0.00	372858.13	500632.64
P9	1059+59.42 BIKE	49.70	1059+67.19 PED	0.00	372860.48	500637.27
P10	1059+83.16 BIKE	34.89	1059+95.17 PED	0.00	372864.40	500664.97
P11	1059+96.37 BIKE	29.01	1060+09.68 PED	0.00	372868.40	500678.87
P12	1060+00.50 BIKE	28.01	1060+13.94 PED	0.00	372870.29	500682.68
P13	1060+10.69 BIKE	27.00	1060+24.19 PED	0.00	372876.07	500691.13
P14	1060+00.50 BIKE	27.01	1060+14.13 PED	0.98 RT	372869.52	500683.33
P15	1059+68.59 BIKE	27.01	1059+86.99 PED	14.40 RT	372849.00	500658.89
P16	1059+62.99 BIKE	22.62	1059+84.56 PED	21.08 RT	372842.04	500657.42
P17	1059+65.55 BIKE	15.99	1059+90.24 PED	25.35 RT	372838.61	500663.64
P18	1059+68.75 BIKE	21.03	1059+90.29 PED	19.38 RT	372844.53	500662.85
P19	1059+65.55 BIKE	15.00	1059+90.77 PED	26.20 RT	372837.85	500664.28
P20	1059+55.68 BIKE	14.99	1059+38.89 PED	28.60 RT	372831.49	500656.73
P21	1059+45.81 BIKE	14.99	1059+33.70 PED	22.46 RT	372825.15	500649.17
P22	1059+45.81 BIKE	15.99	1059+34.11 PED	21.64 RT	372825.92	500648.53
P23	1059+48.37 BIKE	22.62	1059+38.55 PED	18.04 RT	372832.64	500646.22
P24	1059+42.77 BIKE	27.01	1059+37.43 PED	11.08 RT	372832.40	500639.12
P25	1059+42.61 BIKE	21.03	1059+34.40 PED	15.68 RT	372827.72	500642.83
P26	1060+09.95 BIKE	2.51	1060+23.72 PED	29.51 RT	372853.00	500709.55
P27	1060+19.95 BIKE	2.51	1060+33.45 PED	29.51 RT	372859.43	500717.20

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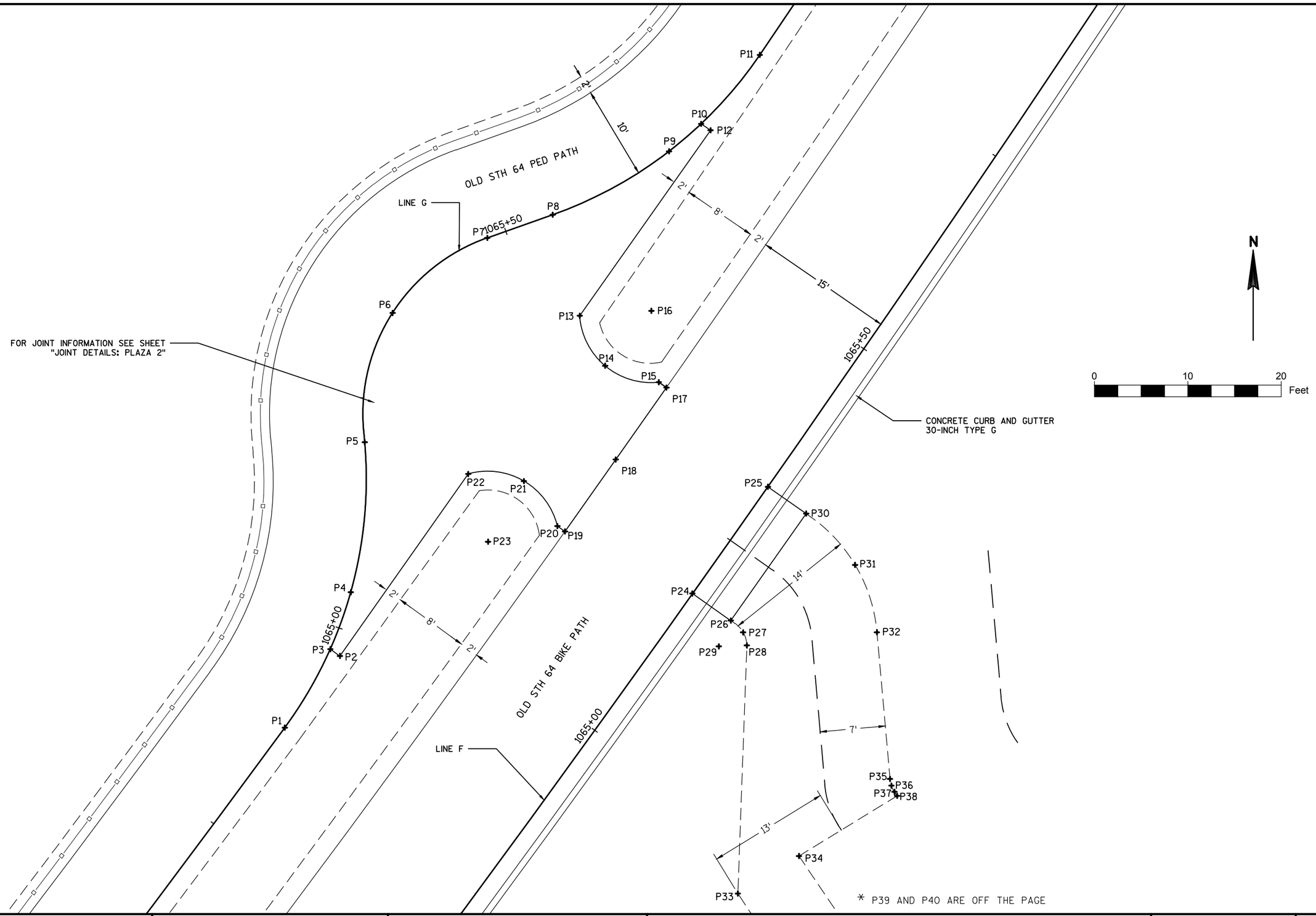


PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	INTERSECTION DETAIL: OLD STH 64 PLAZA 2	SHEET 58	E

2

STATION & OFFSET TABLE: OLD STH 64 PLAZA 2						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P1	1064+80.57 BIKE	27.00	1064+87.80 PED	0.00	373216.72	501003.71
P2	1064+90.37 BIKE	26.77	1064+97.30 PED	1.24 RT	373224.40	501009.62
P3	1064+90.35 BIKE	28.03	1064+97.54 PED	0.00 LT	373225.13	501008.59
P4	1064+96.66 BIKE	29.84	1065+04.03 PED	0.00	373231.23	501010.78
P5	1065+10.79 BIKE	38.01	1065+20.26 PED	0.00	373247.30	501012.27
P6	1065+24.05 BIKE	43.59	1065+34.72 PED	0.00	373261.14	501015.26
P7	1065+36.68 BIKE	39.90	1065+47.90 PED	0.00	373269.18	501025.40
P8	1065+42.75 BIKE	35.57	1065+55.33 PED	0.00	373271.67	501032.41
P9	1065+55.60 BIKE	29.19	1065+69.58 PED	0.00	373278.46	501044.86
P10	1065+60.02 BIKE	28.03	1065+74.11 PED	0.00	373281.40	501048.30
P11	1065+69.78 BIKE	27.00	1065+83.82 PED	0.00	373288.79	501054.58
P12	1065+60.03 BIKE	26.81	1065+74.36 PED	1.19 RT	373280.72	501049.31
P13	1065+35.49 BIKE	27.01	1065+54.45 PED	11.17 RT	373260.85	501035.30
P14	1065+32.63 BIKE	21.71	1065+55.22 PED	17.13 RT	373255.49	501038.02
P15	1065+34.49 BIKE	15.99	1065+58.55 PED	20.88 RT	373253.73	501043.77
P16	1065+40.33 BIKE	21.02	1065+60.35 PED	13.60 RT	373261.37	501042.97
P17	1065+34.49 BIKE	14.99	1065+58.91 PED	21.73 RT	373253.15	501044.59
P18	1065+25.00 BIKE	15.01	1065+17.62 PED	26.74 RT	373245.45	501039.16
P19	1065+15.51 BIKE	14.99	1065+12.51 PED	21.51 RT	373237.74	501033.72
P20	1065+15.51 BIKE	15.99	1065+12.85 PED	20.65 RT	373238.32	501032.91

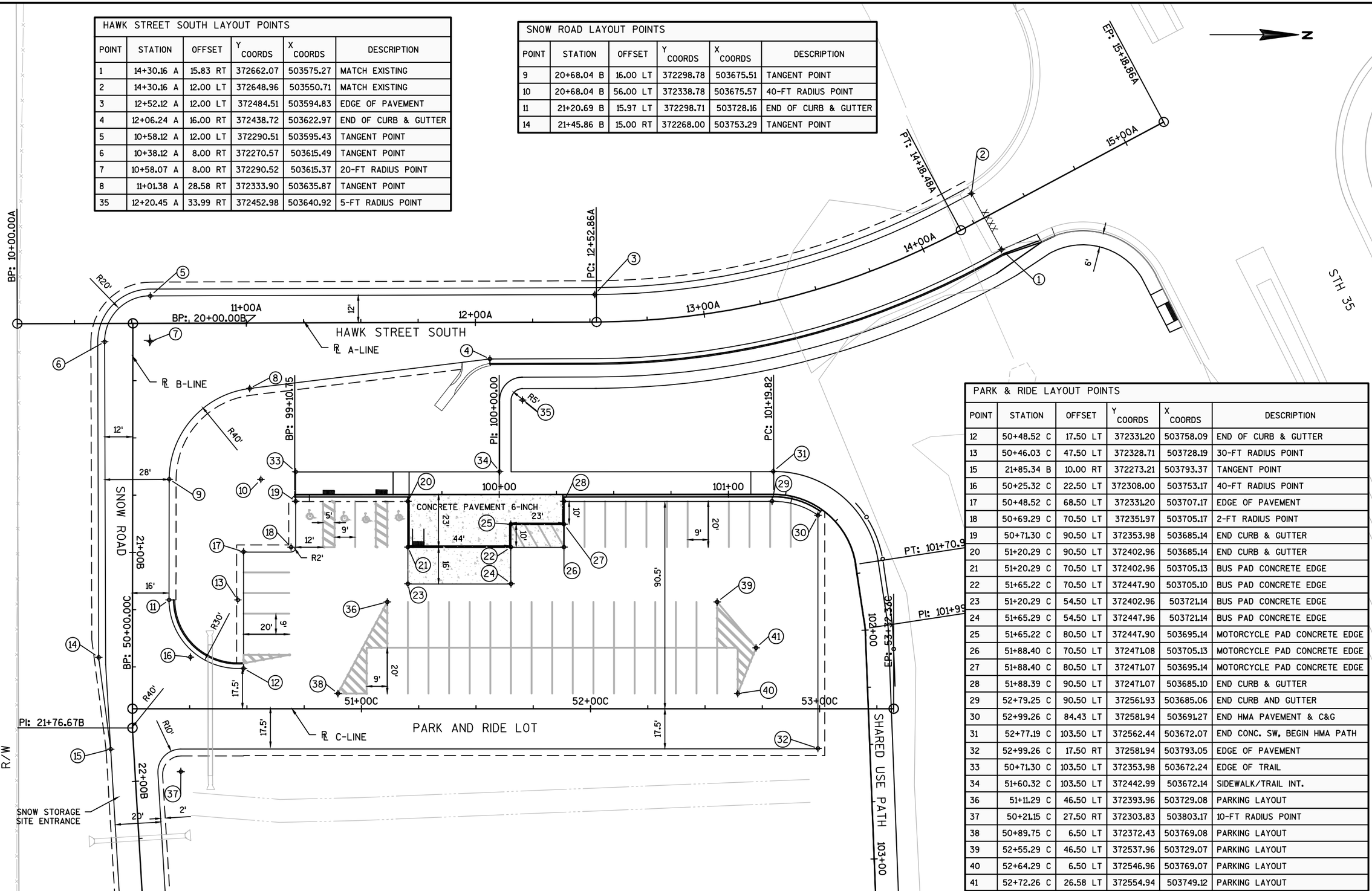
STATION & OFFSET TABLE: OLD STH 64 PLAZA 2						
POINT	STATION	OFFSET	STATION	OFFSET	Y COORDS	X COORDS
P21	1065+17.37 BIKE	21.71	1065+16.15 PED	16.87 RT	373243.13	501029.32
P22	1065+14.51 BIKE	27.01	1065+16.74 PED	10.91 RT	373243.89	501023.36
P23	1065+09.78 BIKE	21.07	1065+11.13 PED	13.42 RT	373236.64	501025.48
P24	1065+18.00 BIKE	0.03	1065+09.46 PED	35.85 RT	373231.10	501047.36
P25	1065+32.00 BIKE	0.01	1065+62.01 PED	36.07 RT	373242.52	501055.46
P26	1065+18.02 BIKE	5.01	1065+08.28 PED	40.39 RT	373228.19	501051.48
P27	1065+17.75 BIKE	6.81	1065+07.76 PED	41.91 RT	373226.93	501052.79
P28	1065+16.84 BIKE	7.96	1065+07.09 PED	42.59 RT	373225.53	501053.20
P29	1065+15.03 BIKE	5.56	1065+06.71 PED	39.67 RT	373225.43	501050.19
P30	1065+32.00 BIKE	5.01	1065+63.20 PED	40.55 RT	373239.65	501059.55
P31	1065+30.51 BIKE	12.45	1065+64.09 PED	47.93 RT	373234.16	501064.78
P32	1065+25.98 BIKE	18.51	1065+63.35 PED	55.35 RT	373226.94	501067.13
P33	1064+94.84 BIKE	22.67	1064+94.61 PED	50.71 RT	373198.96	501052.23
P34	1065+01.85 BIKE	25.62	1064+97.58 PED	54.86 RT	373202.97	501058.78
P35	1065+14.09 BIKE	28.73	1065+02.47 PED	61.06 RT	373211.23	501068.53
P36	1065+13.60 BIKE	29.28	1065+02.19 PED	61.43 RT	373210.51	501068.68
P37	1065+13.26 BIKE	29.93	1065+01.97 PED	61.95 RT	373209.85	501069.01
P38	1065+13.08 BIKE	30.41	1065+01.84 PED	62.35 RT	373209.42	501069.29
P39	1064+87.31 BIKE	42.94	1064+90.49 PED	70.14 RT	373180.85	501064.14
P40	1064+94.63 BIKE	46.02	1064+93.25 PED	73.85 RT	373185.08	501071.02

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021103_ID_PLAZAS.DWG
LAYOUT NAME - 021101 - 021101_ID
PLOT DATE : 1/4/2018 12:09 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

2

HAWK STREET SOUTH LAYOUT POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	DESCRIPTION
1	14+30.16 A	15.83 RT	372662.07	503575.27	MATCH EXISTING
2	14+30.16 A	12.00 LT	372648.96	503550.71	MATCH EXISTING
3	12+52.12 A	12.00 LT	372484.51	503594.83	EDGE OF PAVEMENT
4	12+06.24 A	16.00 RT	372438.72	503622.97	END OF CURB & GUTTER
5	10+58.12 A	12.00 LT	372290.51	503595.43	TANGENT POINT
6	10+38.12 A	8.00 RT	372270.57	503615.49	TANGENT POINT
7	10+58.07 A	8.00 RT	372290.52	503615.37	20-FT RADIUS POINT
8	11+01.38 A	28.58 RT	372333.90	503635.87	TANGENT POINT
35	12+20.45 A	33.99 RT	372452.98	503640.92	5-FT RADIUS POINT

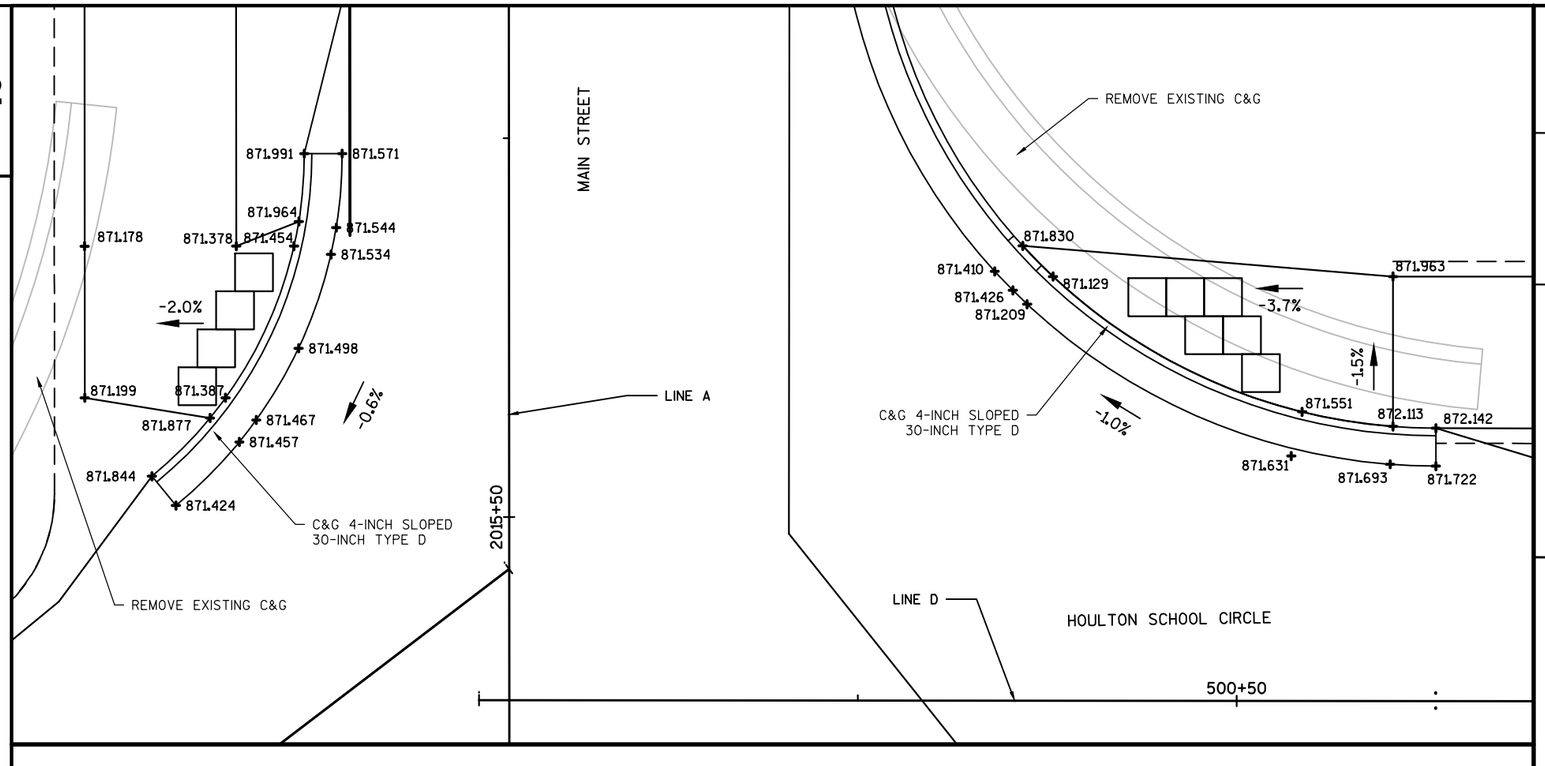
SNOW ROAD LAYOUT POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	DESCRIPTION
9	20+68.04 B	16.00 LT	372298.78	503675.51	TANGENT POINT
10	20+68.04 B	56.00 LT	372338.78	503675.57	40-FT RADIUS POINT
11	21+20.69 B	15.97 LT	372298.71	503728.16	END OF CURB & GUTTER
14	21+45.86 B	15.00 RT	372268.00	503753.29	TANGENT POINT

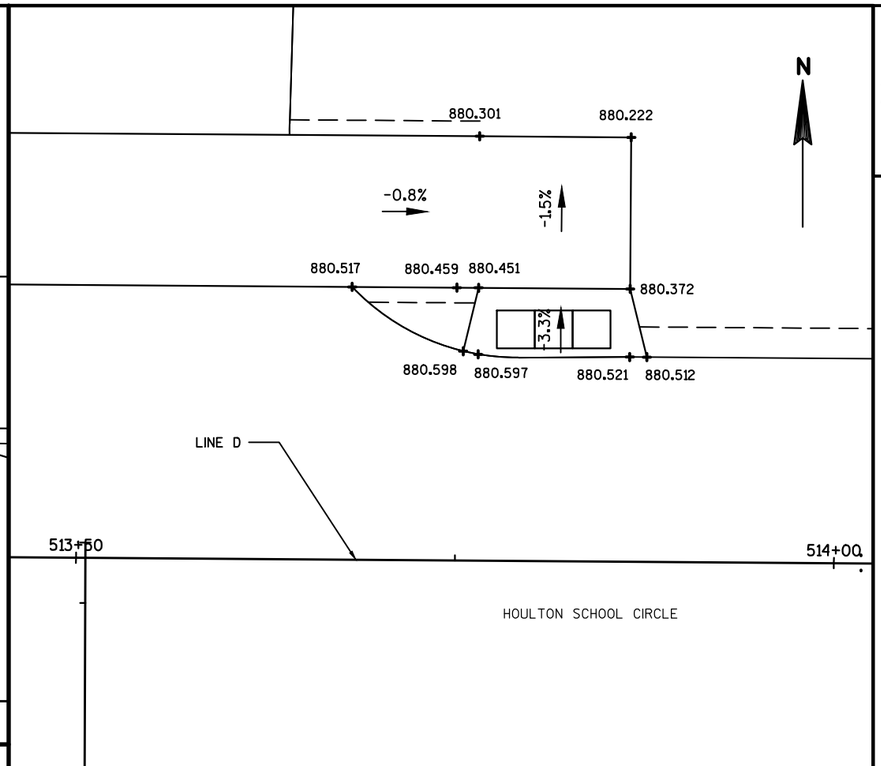


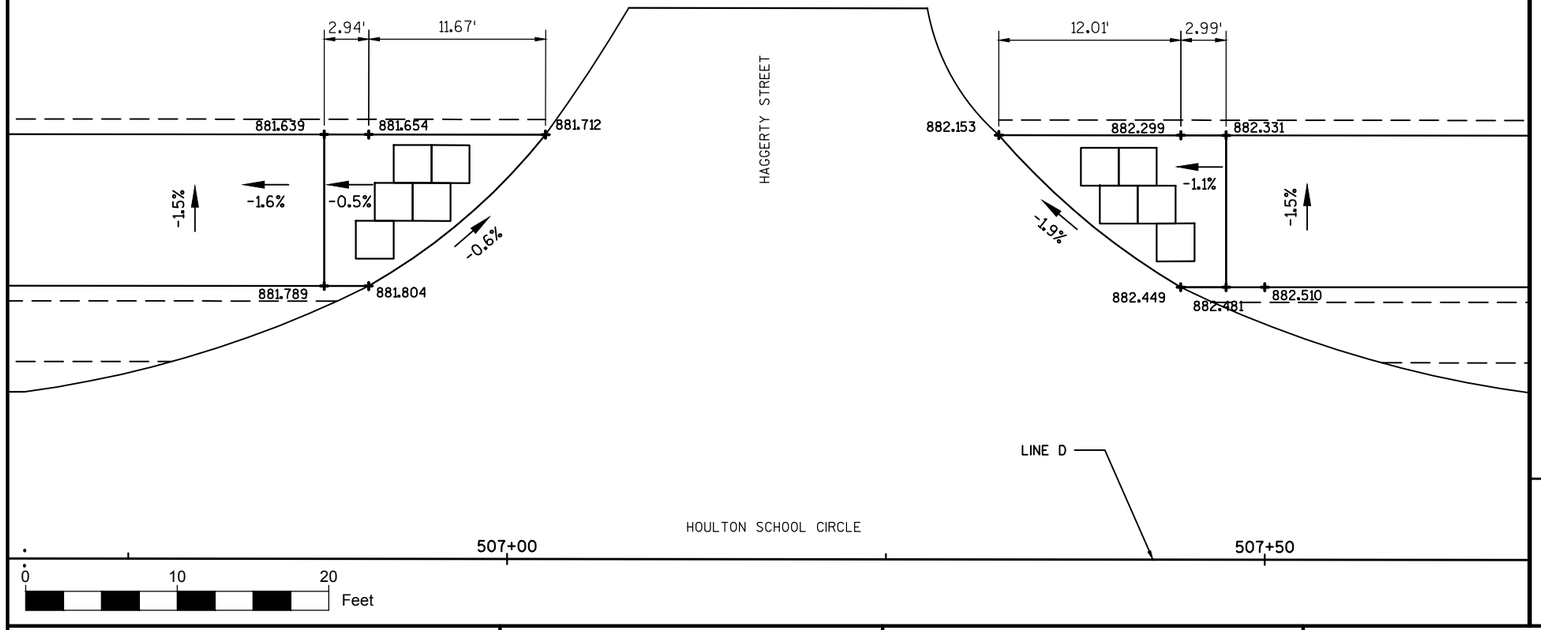
PARK & RIDE LAYOUT POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	DESCRIPTION
12	50+48.52 C	17.50 LT	372331.20	503758.09	END OF CURB & GUTTER
13	50+46.03 C	47.50 LT	372328.71	503728.19	30-FT RADIUS POINT
15	21+85.34 B	10.00 RT	372273.21	503793.37	TANGENT POINT
16	50+25.32 C	22.50 LT	372308.00	503753.17	40-FT RADIUS POINT
17	50+48.52 C	68.50 LT	372331.20	503707.17	EDGE OF PAVEMENT
18	50+69.29 C	70.50 LT	372351.97	503705.17	2-FT RADIUS POINT
19	50+71.30 C	90.50 LT	372353.98	503685.14	END CURB & GUTTER
20	51+20.29 C	90.50 LT	372402.96	503685.14	END CURB & GUTTER
21	51+20.29 C	70.50 LT	372402.96	503705.13	BUS PAD CONCRETE EDGE
22	51+65.22 C	70.50 LT	372447.90	503705.10	BUS PAD CONCRETE EDGE
23	51+20.29 C	54.50 LT	372402.96	503721.14	BUS PAD CONCRETE EDGE
24	51+65.29 C	54.50 LT	372447.96	503721.14	BUS PAD CONCRETE EDGE
25	51+65.22 C	80.50 LT	372447.90	503695.14	MOTORCYCLE PAD CONCRETE EDGE
26	51+88.40 C	70.50 LT	372471.08	503705.13	MOTORCYCLE PAD CONCRETE EDGE
27	51+88.40 C	80.50 LT	372471.07	503695.14	MOTORCYCLE PAD CONCRETE EDGE
28	51+88.39 C	90.50 LT	372471.07	503685.10	END CURB & GUTTER
29	52+79.25 C	90.50 LT	372561.93	503685.06	END CURB AND GUTTER
30	52+99.26 C	84.43 LT	372581.94	503691.27	END HMA PAVEMENT & C&G
31	52+77.19 C	103.50 LT	372562.44	503672.07	END CONC. SW, BEGIN HMA PATH
32	52+99.26 C	17.50 RT	372581.94	503793.05	EDGE OF PAVEMENT
33	50+71.30 C	103.50 LT	372353.98	503672.24	EDGE OF TRAIL
34	51+60.32 C	103.50 LT	372442.99	503672.14	SIDEWALK/TRAIL INT.
36	51+11.29 C	46.50 LT	372393.96	503729.08	PARKING LAYOUT
37	50+21.15 C	27.50 RT	372303.83	503803.17	10-FT RADIUS POINT
38	50+89.75 C	6.50 LT	372372.43	503769.08	PARKING LAYOUT
39	52+55.29 C	46.50 LT	372537.96	503729.07	PARKING LAYOUT
40	52+64.29 C	6.50 LT	372546.96	503769.07	PARKING LAYOUT
41	52+72.26 C	26.58 LT	372554.94	503749.12	PARKING LAYOUT

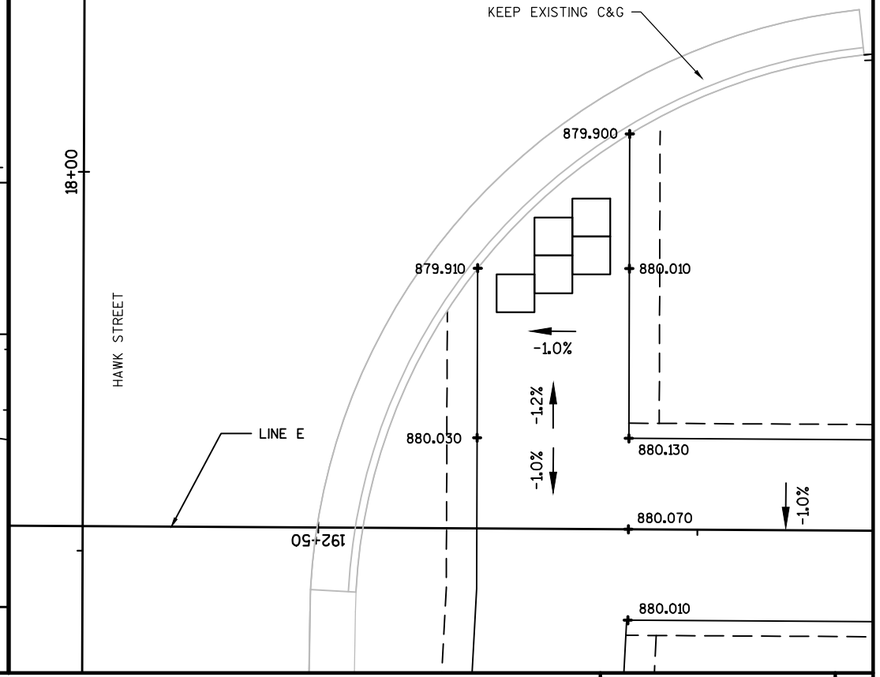
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PARK AND RIDE LAYOUT DETAIL	SHEET 60	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\PKNR ID.DWG PLOT DATE : 12/18/2017 3:55 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
LAYOUT NAME - ID-(1)
WISDOT/CADDS SHEET 42









PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	ELEVATION DETAILS: PEDESTRIAN RAMPS	SHEET 61	E

2

N

878.240

877.340

878.440

520+00

878.040

878.040

520+50

877.730

521+00

521+50

522+00

522+50

877.350

876.900

876.540

876.380

876.280

875.640

0 20 40 Feet

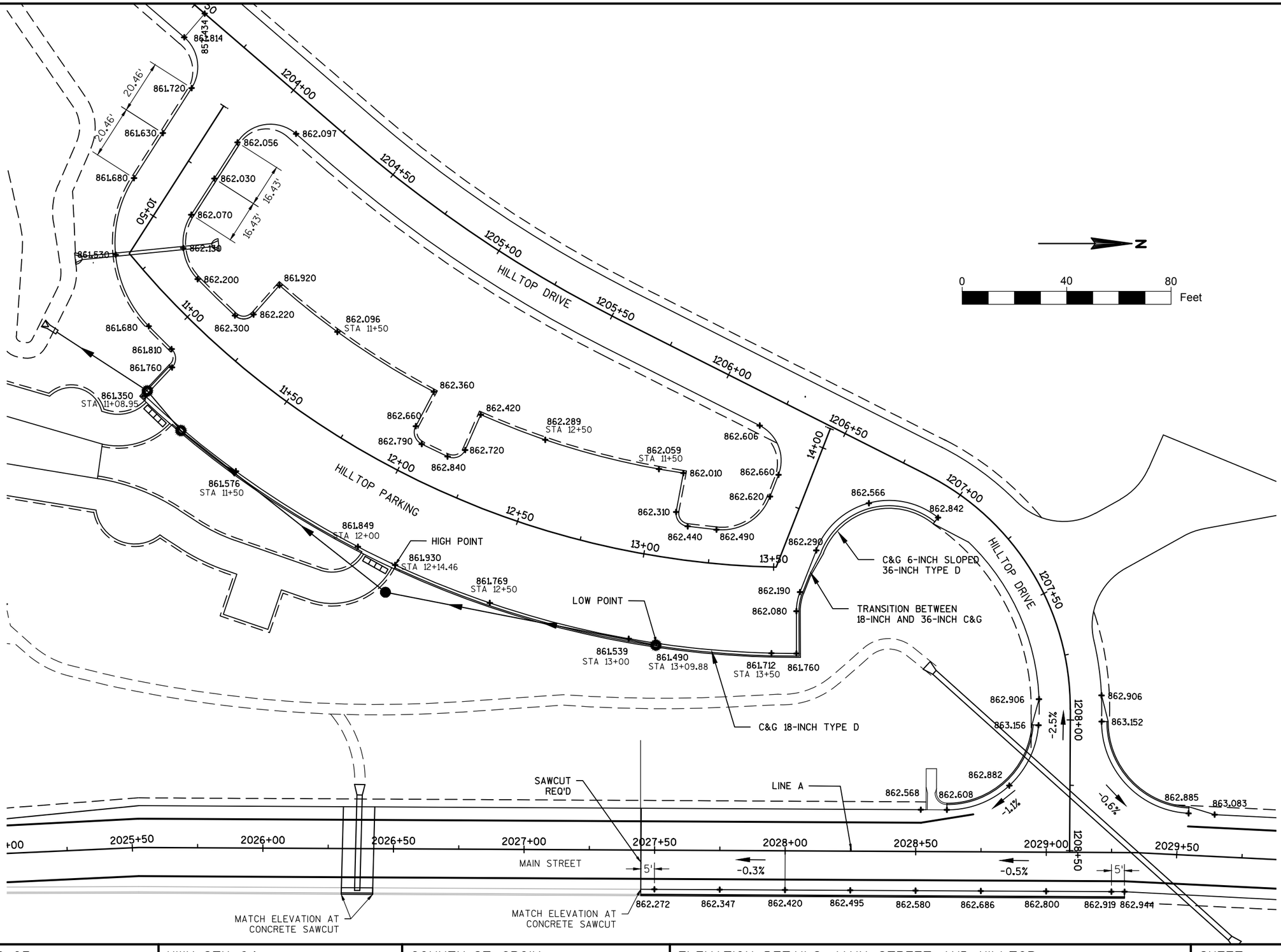
PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	ELEVATION DETAILS: MAIN TRAILHEAD PARKING	SHEET 62	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021151_ED.DWG
LAYOUT NAME - 021101 - 021102_ID

PLOT DATE : 1/5/2018 9:05 AM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 42

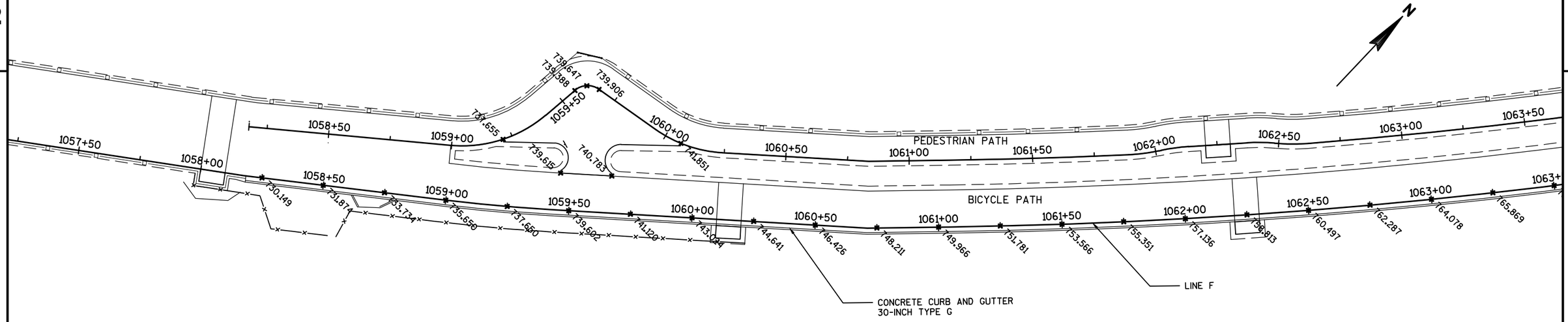
2

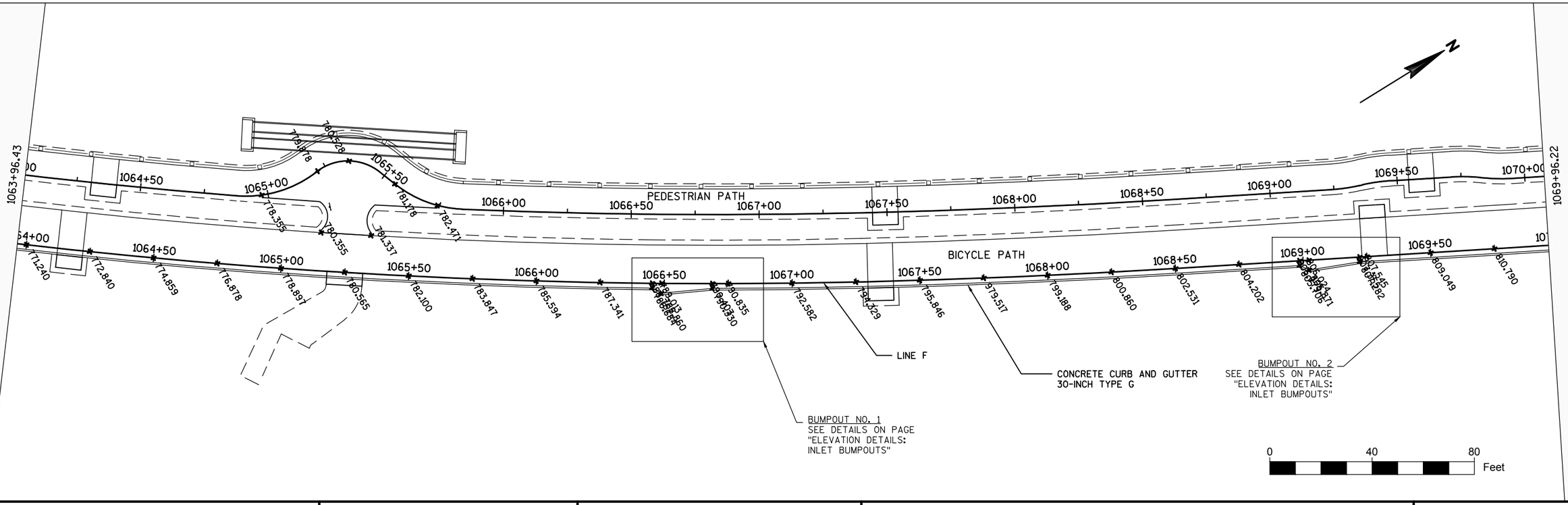


PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	ELEVATION DETAILS: MAIN STREET AND HILLTOP	SHEET 63	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021151_ED.DWG
LAYOUT NAME - 021101 - 021102_ID
PLOT DATE : 1/5/2018 9:03 AM
PLOT BY : MUNDEN, ALLISSA L
PLOT NAME :
PLOT SCALE : **********
WISDOT/CADDS SHEET 42

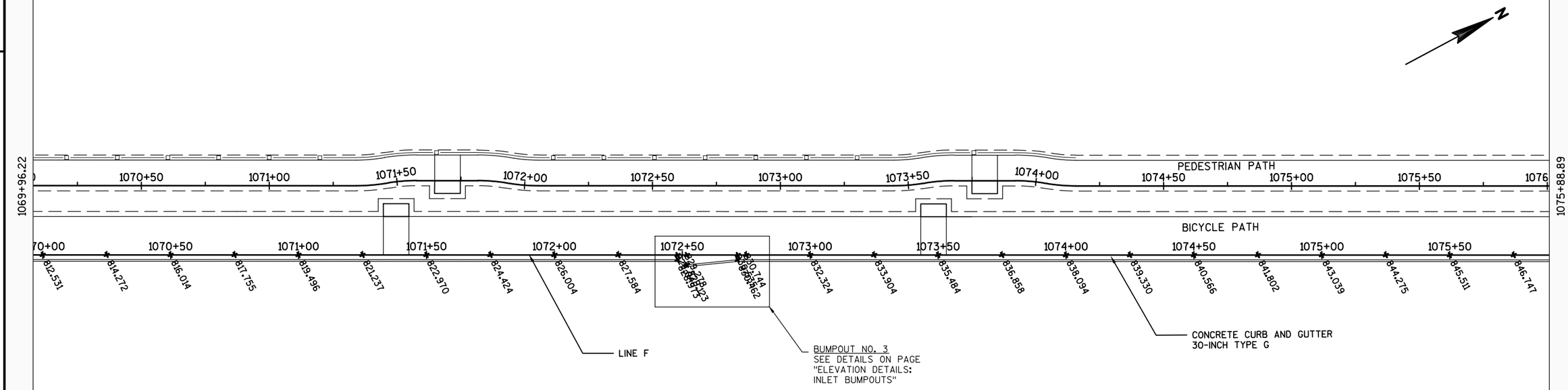
2

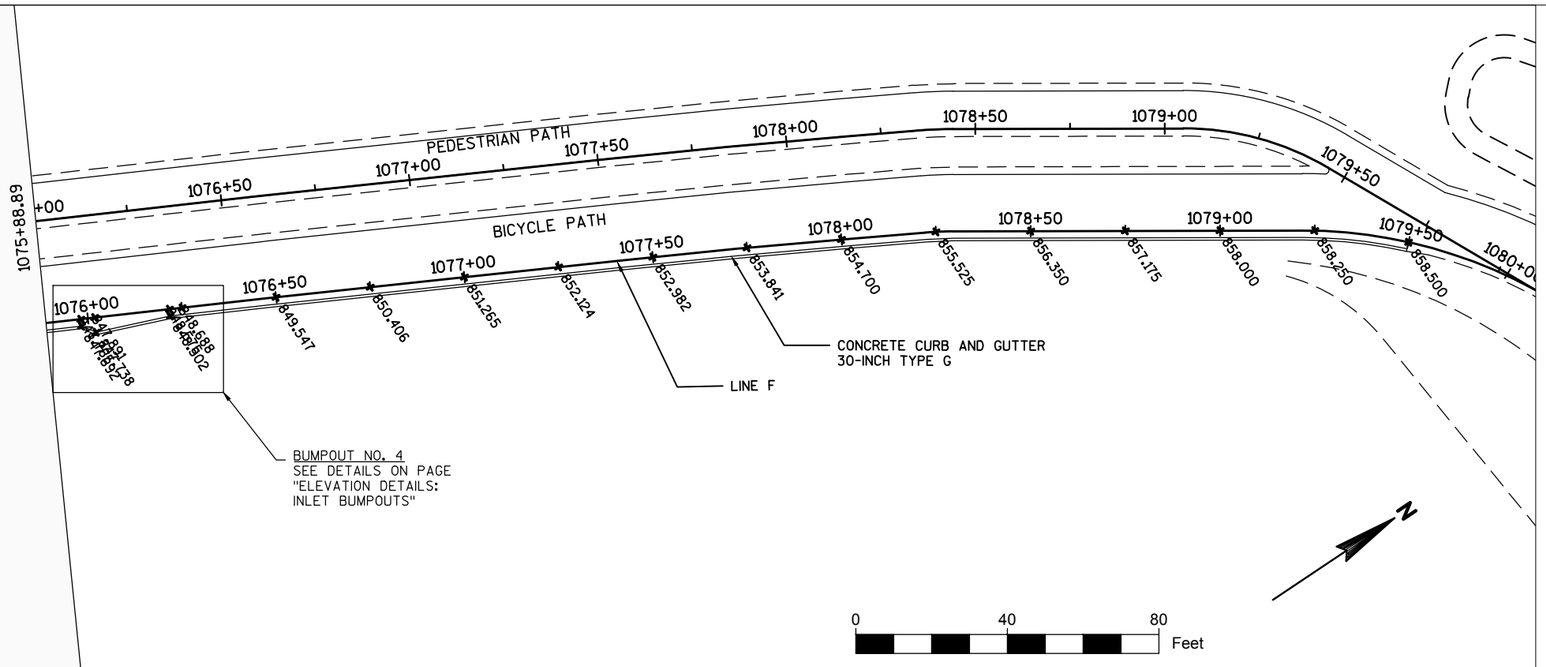




PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	ELEVATION DETAILS: BICYCLE PATH OLD STH 64	SHEET 64	E

2

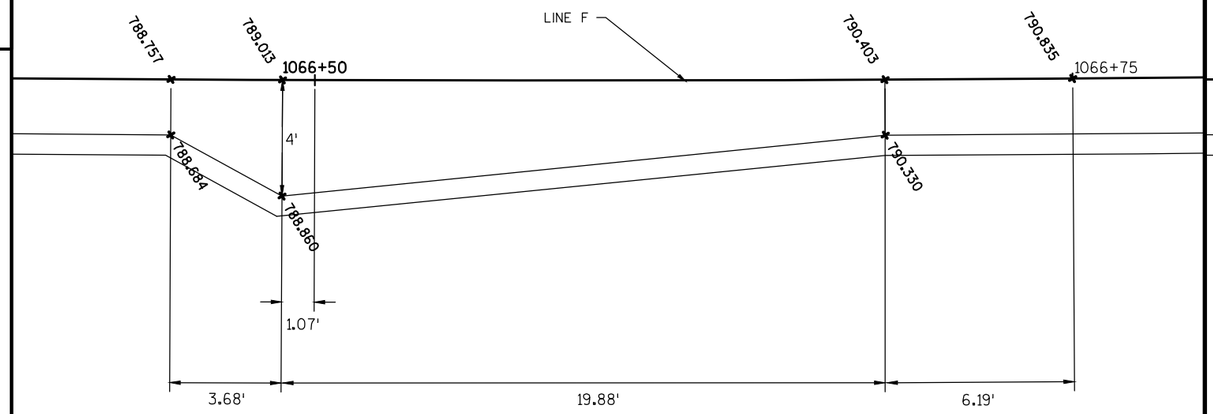




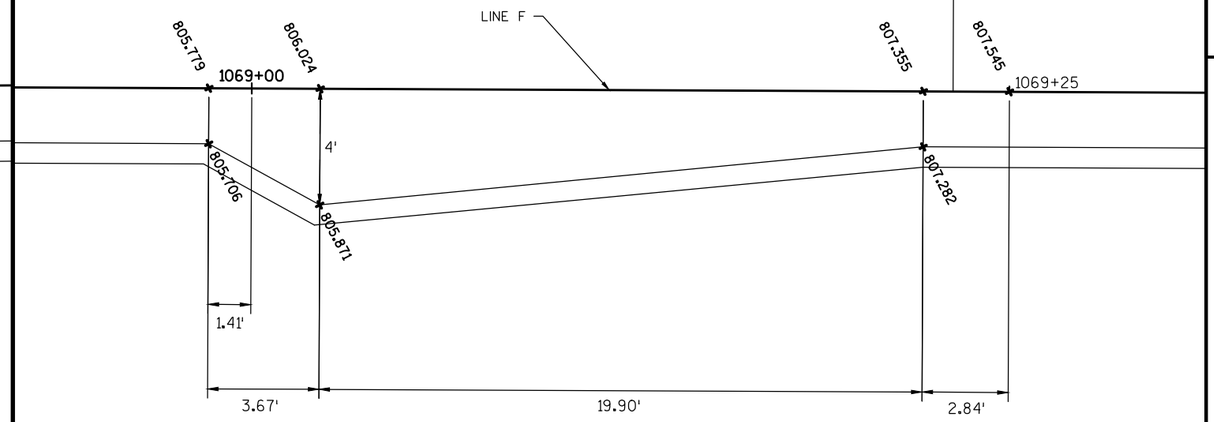
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	ELEVATION DETAILS: BICYCLE PATH OLD STH 64	SHEET 65	E

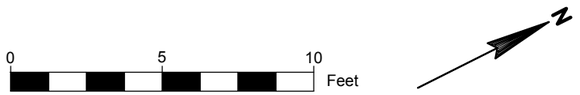
2

BUMPOUT NO. 1

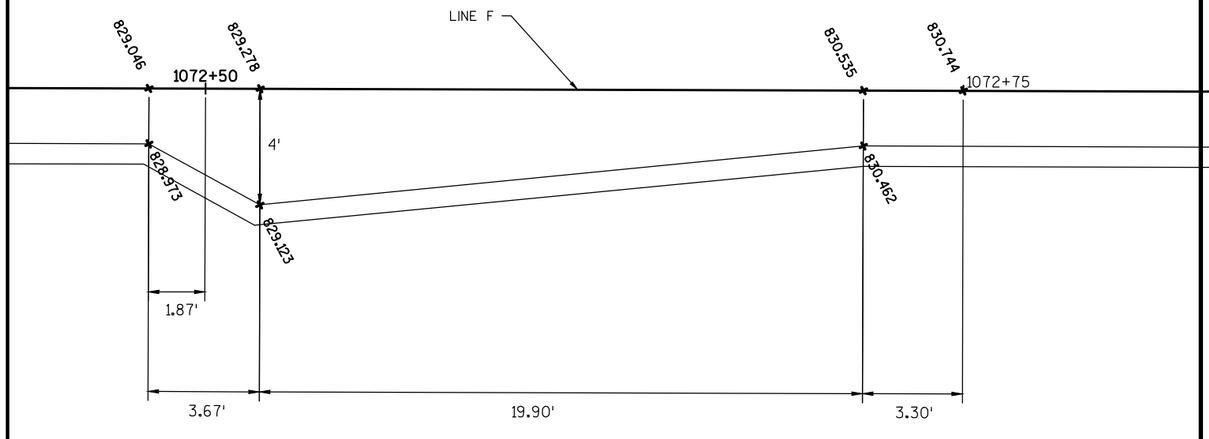


BUMPOUT NO. 2

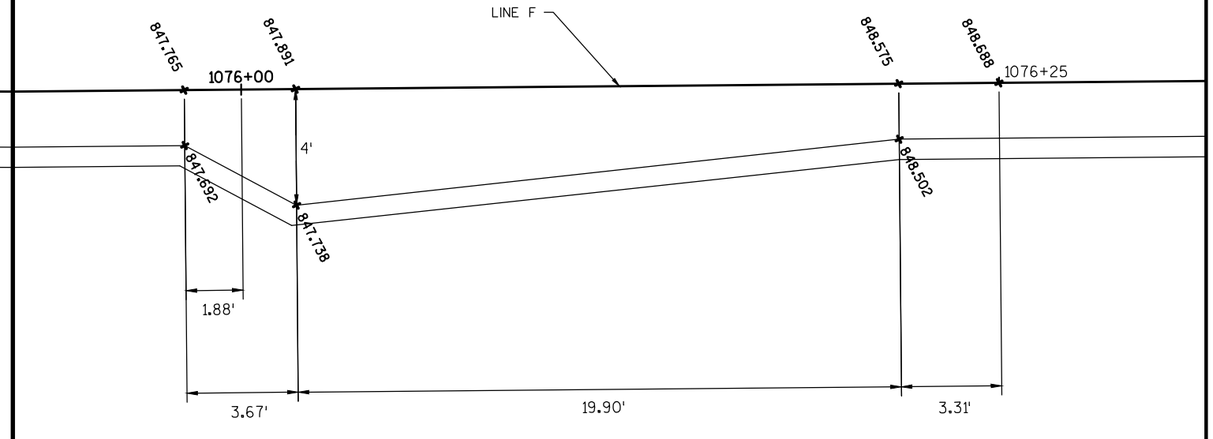




BUMPOUT NO. 3



BUMPOUT NO. 4



PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	ELEVATION DETAILS: BICYCLE PATH OLD STH 64 INLET LOCATIONS	SHEET 66	E

LEGEND

DETECTABLE WARNING FIELD NATURAL PATINA

N

BP: 10+00.00A

3' BAD SHOULDER
3' HMA SHOULDER

PC: 12+52.86A

CONCRETE CURB AND GUTTER 30-INCH TYPE D

EP: 15+18.86A

STA 14+30.16A
SAWING ASPHALT REQUIRED

PT: 14+18.48A

15+00A

SAWING CONCRETE REQUIRED
SAW AND REMOVE CURB & GUTTER TO FULL HEAD HEIGHT, INCIDENTAL TO PREPARE FOUNDATION FOR CONCRETE PAVEMENT

CURB RAMP TYPE 7A REQUIRED
WIDTH TO MATCH EXISTING CURB CUT
WARNING FIELD PLACEMENT TO LINE UP WITH EXISTING CURB CUT

14+00A

882.80
882.34
881.92
881.56
881.25
881.00
880.80
880.66
880.57
881.17
880.54

6'

885.12
884.96
885.05
885.30

6.2'
8.7'

STH 35

11+00A
BP: 20+00.00B
HAWK STREET SOUTH
12+00A
13+00A

ASPHALT FLUME REQUIRED

℄ A-LINE

℄ B-LINE

5' CONCRETE SIDEWALK 4-INCH

TOPSOIL, EROSION MAT CLASS I TYPE A
SEEDING NO 30, FERTILIZER TYPE B REQ'D

3' BAD SHOULDER

881.09
881.21
881.36
881.28

CONCRETE CURB AND GUTTER 6-INCH
SLOPED 36-INCH TYPE D REVERSE SLOPE
SLOPE HEAD TO MATCH SIDEWALK SLOPE

101+19.86A, -10.00' LT

PC: 101+19.82

2" ASPHALTIC SURFACE

CONCRETE SIDEWALK 4-INCH

882.70
883.19
883.17
883.17
883.32
883.16
882.84

CONCRETE SIDEWALK 4-INCH
BEHIND EXISTING BACK OF CURB

882.85
882.85
883.32
100+00
882.80
101+09.84A, 0.00'
101+00
882.80
882.77

3' HMA SHOULDER

882.77
CONCRETE CURB AND GUTTER 6-INCH
SLOPED 36-INCH TYPE D
REVERSE SLOPE, DRIVEWAY CURB

CONCRETE PAVEMENT 6-INCH
883.20
883.31

3' BAD SHOULDER

SNOW ROAD

883.10
883.20
882.59

PT: 101+70.97

CONCRETE CURB TYPE A
AROUND PERIMETER
OF CONCRETE PAVEMENT 6-INCH

882.43

CONCRETE CURB AND GUTTER 6-INCH
SLOPED 36-INCH TYPE D
REVERSE SLOPE

879.76

882.43
CURB RAMP 4B REQ'D

CONCRETE PAVEMENT 8-INCH

PI: 101+99.29

102+00

EP: 53+12.30

BP: 50+00.00C

879.42

TOPSOIL, SEEDING NO 30, FERTILIZER TYPE B REQ'D

880.68

882

CONCRETE CURB AND GUTTER
30-INCH TYPE D

51+00C
52+00C
53+00C

PI: 21+76.67B

℄ C-LINE

PARK AND RIDE LOT

SHARED USE PATH

103+00

R/W

22+00B

3' BAD SHOULDER

NOTE:
ELEVATIONS GIVEN AT FLAG OF CURB AND EDGE OF SIDEWALK AT:
25' INCREMENTS
BREAK POINTS
MIDPOINT OF RADIUS

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PARK AND RIDE SURFACE TYPE & ELEVATION DETAIL	SHEET 67

FILE NAME : G:±WDOTCO±14023 (2014 - 2016 design work orders)±Work Order 08 (STH 64 Park and Ride)±Civil 3D±SheetsPlan±021101-ID.dwg
LAYOUT NAME - ID-(1)
PLOT DATE : 12/18/17
PLOT BY : KL ENGINEERING
PLOT SCALE : 1 IN:40 FT

2

CONTRACTOR TO PREVENT ACCIDENTAL DISTURBANCE AND PROTECT RAIN GARDEN AREA WITH LATHE AND RIBBON AFTER FINAL RESTORATION

STORM WATER RAIN GARDEN BOTTOM EL = 872.50

PICNIC TABLES (BY OTHERS) SEE CONSTRUCTION DETAIL DRAWINGS FOR CONCRETE SLAB DETAILS (BY CONTRACTOR)

NOTE:
FIELD LOCATE INTERPRETIVE PANELS WITH ENGINEER

FIELD LOCATE PICNIC TABLE AND BENCH PADS, CONCRETE SIDEWALK 7-INCH REQUIRED

3'x4' CONCRETE SIDEWALK 4-INCH FOR INTERPRETIVE PANEL

12' WIDE SHARED USE PATH

MAINTAIN SAFETY FENCE SURROUNDING PUMP CHAMBER AS DIRECTED BY ENGINEER IN THE FIELD. REMOVE SAFETY FENCE PRIOR TO FINAL SHAPING AND FINISHING

4" GRAVITY SEWER (BY OTHERS)

PUMP CHAMBER (BY OTHERS)

3" PRESSURE LINE TO DRAIN FIELD (BY OTHERS)

MAINTAIN SAFETY FENCE AROUND DRAIN FIELD AS DIRECTED BY ENGINEER IN THE FIELD. REMOVE SAFETY FENCE PRIOR TO FINAL SHAPING AND FINISHING

CONTRACTOR TO PROTECT DRAIN FIELD

AREA OF TEMPORARY STOCKPIILES OF WASTE MATERIAL. USE MATERIAL AS NEEDED AND SUITED FOR GRADING OPERATIONS. UPON COMPLETION OF PROJECT GRADING OPERATIONS GRADE TO FINAL CONTOURS, REMOVING EXCESS STOCKPILE AS NECESSARY. REMOVE EXISTING SILT FENCE. PLACE SALVAGED TOPSOIL, SEED MIX 70A, FERTILIZE AND MULCH. FINAL CONTOURS WILL BE APPROVED BY ENGINEER AFTER COORDINATION WITH ST. CROIX COUNTY.

VISION OBSTRUCTING BERM AREA

GRASS TRAIL

PICNIC SHELTER FF = 876.20 45.0' DIAMETER CONCRETE PAD

CONCRETE SIDEWALK 7-INCH (BY CONTRACTOR) BICYCLE RACK (BY OTHERS)

2-40 LF CULVERT PIPE CLASS III 12-INCH
4-APRON ENWALLS FOR CULVERT PIPE 12-INCH
INV IN (N) = 872.75
INV OUT (S) = 872.47

20' WIDE LIMESTONE ACCESS POINT

SOIL BORING LOCATION (TYP)

BORE

CURB RAMP DETECTABLE WARNING FIELDS SEE DETAIL DRAWING

MAIN TRAILHEAD PARKING AREA (39 STALLS 9'X20')

TUBULAR STEEL PAINTED GATE STOP WITH CONCRETE BASE (BY OTHERS)

EXISTING WELL LOCATION (PROTECT WELL AND WELLHEAD)

RESTROOM BUILDING 45'X22' PLUS ADD'TL 6' TO ALL SIDES FOR CONCRETE PAD (BY OTHERS) SUBGRADE = 877.00

R/W

MAINTAIN SAFETY FENCE SURROUNDING SEPTIC TANKS AS DIRECTED BY ENGINEER IN THE FIELD. REMOVE SAFETY FENCE PRIOR TO FINAL SHAPING AND FINISHING

SEPTIC TANKS (BY OTHERS)

BENCH (TYP) (BY OTHERS)

(2) 3'x4' CONCRETE SIDWALK 4-INCH FOR INTERPRETIVE PANELS

TUBULAR STEEL PAINTED GATE STOP WITH CONCRETE BASE (BY OTHERS)

28-FT TUBULAR STEEL PAINTED GATE WITH FOOTINGS (BY OTHERS)

SHARED USE PATH 20' WIDE

CONCRETE SIDEWALK 7-INCH (BY CONTRACTOR) BICYCLE RACK (TYP) (BY OTHERS)

CONCRETE SIDEWALK 4-INCH (BY CONTRACTOR) INFORMATIONAL KIOSK (BY OTHERS)

STORM WATER INFILTRATION BASIN BOTTOM EL = 870.00

SHARED USE PATH NARROWS TO 12' PAVED

18-INCH EQUALIZER PIPE

STORM WATER INFILTRATION BASIN BOTTOM EL = 870.00

INSTALL ANTI-GRAFFITI COATING ON PEDESTRIAN UNDERPASS

N

0 50 100 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN DETAILS: MAIN TRAILHEAD AREA	SHEET	E

56 LF - 24" CPRC CL IV
2 - 24" RCP AEW
REMOVE EXISTING 24" CMP
INV IN (S) = 873.00
INV OUT (N) = 871.50

24' WIDE BASE AGGREGATE FIELD ENTRANCE
56 LF - 12" CPCP
2 - 15" STEEL AEWS
INV IN (E) = 874.00
INV OUT (W) = 872.35

179.61

20.00'

9.00

HOULTON SCHOOL CIRCLE

520+00

20.00'

20.00'

LANDSCAPE AREA

521+00

49.00'

522+00

115.66'

38.18'

CONTRACTOR TO PROTECT LANDSCAPE AREA AFTER FINAL RESTORATION TO PREVENT ACCIDENTAL DISTURBANCE

20.00'

MAIN TRAILHEAD PARKING AREA
39 STALLS (9' X 20')

20.00'

LANDSCAPE AREA

R/W

TUBULAR STEEL PAINTED GATE STOP WITH CONCRETE BASE (BY OTHERS)

N

20.00'

CURB RAMP DETECTABLE WARNING FIELDS

TUBULAR STEEL PAINTED GATE STOP WITH CONCRETE BASE (BY OTHERS)

28-FT TUBULAR STEEL PAINTED GATE WITH FOOTINGS (BY OTHERS)

STORM WATER INFILTRATION BASIN
BOTTOM EL = 870.00
SEEDING MIXTURE NO. 70A

SHARED USE PATH

0 20 40 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN DETAILS: MAIN TRAILHEAD AREA	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021201_PD_MAIN TRAILHEAD.DWG PLOT DATE : 12/8/2017 9:46 AM PLOT BY : DAVIST PLOT NAME :

WISDOT/CADDS SHEET 44

2

R/W

HOULTON SCHOOL CIRCLE

11+00

12+00

13+00

14+00

15+00

16+00

17+00

18+00

HAWK STREET

HAWK STREET SHARED USE PATH

4'

12'

14'

3'

5'

10'

TIE INTO EXISTING PATH, ASPHALT SAWCUT REQUIRED

CURB RAMP DETECTABLE WARNING FIELDS. EXISTING PEDESTRIAN CURB RAMP TO REMAIN

STH 35

R/W

RESTORE DISTURBED AREAS WITH 4" SALVAGED TOPSOIL, SEED, FERTILIZER & MULCH

FUTURE MAINTENANCE BUILDING AND PARKING AREA (BY OTHERS)

EXCAVATE EXISTING TOP SOIL
PLACE 6" AGGREGATE BASE DENSE, 1-1/4"
3" HMA PAVEMENT 5 LT 58-34 S

SHARED USE PATH

N

0 50 100 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN DETAILS: HAWK STREET SHARED USE PATH	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021201_PD_HAWK STREET.DWG PLOT DATE : 1/13/2018 12:32 PM PLOT BY : DAVIST PLOT NAME :

NOTE:
FIELD LOCATE INTERPRETIVE PANELS WITH ENGINEER

TUBULAR STEEL PAINTED GATE STOP WITH CONCRETE BASE (BY OTHERS)

36-LF TUBULAR STEEL PAINTED GATE WITH FOOTINGS (BY OTHERS)

TUBULAR STEEL PAINTED GATE STOP WITH CONCRETE BASE (BY OTHERS)

ELECTRICAL SUPPLY PROVIDED BY XCEL ENERGY

TUBULAR STEEL PAINTED GATE STOP WITH CONCRETE BASE (BY OTHERS)

34-LF TUBULAR STEEL PAINTED GATE WITH FOOTINGS (BY OTHERS)

TUBULAR STEEL PAINTED GATE STOP WITH CONCRETE BASE (BY OTHERS)

END CONSTRUCTION HILLTOP ROAD STA 1210+81.03

STORM WATER RAIN GARDEN BOTTOM EL = 856.00

CONTRACTOR TO PROTECT RAIN GARDEN AREAS AFTER FINAL RESTORATION TO PREVENT ACCIDENTAL DISTURBANCE

MATCH EXISTING DITCH EL = 856.01

R/W

LIMESTONE AREA

SHARED USE PATH

INTERPRETIVE PANEL

HILLTOP PARKING AREA (41 STALLS 9'X20')

HILLTOP ROAD

HILLTOP DRIVE

1208+00
1207+00
1206+00
1205+00
1204+00
1203+00
1202+00

2029+00
2028+00
2027+00
2026+00
2025+00
2024+00

MAIN STREET

ELECTRICAL SUPPLY PROVIDED BY XCEL ENERGY

OUTLYING DRAINAGE BYPASS SWALE
4.0' WIDE BOTTOM
0.35% SLOPE

CURB RAMP DETECTABLE WARNING FIELD (TYP)

LIMESTONE AREA

CONCRETE SIDEWALK 6-INCH
CONCRETE PAD FOR PORTABLE RESTROOMS

CURB RAMP DETECTABLE WARNING FIELD (TYP)

INFORMATIONAL KIOSK

CONCRETE SIDEWALK 7-INCH PLAZA AREA. SEE CONSTRUCTION JOINT DETAIL DRAWING FOR CONCRETE FINISHING AND JOINTING

TUBULAR STEEL PAINTED GATE STOP WITH CONCRETE BASE (BY OTHERS)

26-LF TUBULAR STEEL PAINTED GATE WITH FOOTINGS (BY OTHERS)

TUBULAR STEEL PAINTED GATE STOP WITH CONCRETE BASE (BY OTHERS)

N

0 60 120 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN DETAILS: HILLTOP PARKING AREA	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021202_PD_HILLTOP PARKING.DWG PLOT DATE : 11/30/2017 2:07 PM PLOT BY : DAVIST PLOT NAME :

WISDOT/CADDS SHEET 44

2

861.68 FG
860.30 EX

862.03 FG
861.35 EX

36-FT TUBULAR STEEL
PAINTED GATE WITH
FOOTINGS (BY OTHERS)

862.07 FG
860.24 EX

TUBULAR STEEL PAINTED
GATE STOP WITH CONCRETE
BASE (BY OTHERS)

26.00

50 LF - 15" HDPE CULVERT PIPE
2 - 18" STEEL AEWS
INV IN (N) = 858.60
INV OUT (S) = 858.00

862.13 FG
858.05 EX

862.20 FG
857.47 EX

861.53 FG
859.10 EX

861.92 FG
859.22 EX

862.22 FG
857.66 EX

861.99 FG
858.92 EX

861.68 FG
860.63 EX

41 LF 15" SSPRC CL IV
INV UP = 857.05
INV DN = 856.75
SLOPE = 0.70%

1.0' BASE AGGREGATE
DENSE SHOULDER

862.30 FG
858.01 EX

861.81 FG
860.32 EX

170.59

861.76 FG
860.27 EX

INLETS 3-FT DIA-Z
TC = 861.29
INV = 857.05

862.36 FG
858.51 EX

HILLTOP PARKING
AREA (41 STALLS 9'x20')

861.35 FG
860.66 EX

20 LF 12" SSPRC CL IV
INV UP = 857.42
INV DN = 857.30
SLOPE = 0.60%

20.00

862.31 FG
858.48 EX

862.42 FG
858.67 EX

861.40 FG
860.38 EX

12.00

9.00

862.31 FG
859.08 EX

26.00

862.66 FG
858.69 EX

862.79 FG
858.86 EX

862.72 FG
858.64 EX

862.85 FG
858.91 EX

862.84 FG
858.91 EX

862.05 FG
861.59 EX

INLETS 3-FT DIA-Z
TC = 861.37
INV = 857.42

861.47 FG
859.45 EX

20.00

9.60

862.01 FG
862.23 EX

1' BASE AGGREGATE DENSE
3/4-INCH SHOULDER

861.79 FG
859.45 EX

862.62 FG
862.93 EX

862.31 FG
859.30 EX

862.44 FG
858.78 EX

862.49 FG
859.44 EX

26.00

12.00

862.29 FG
860.38 EX

861.93 FG
859.70 EX

9.00

100 LF 12" SSPRC CL IV
INV UP = 857.97
INV DN = 857.42
SLOPE = 0.55%

TRANSITION BETWEEN 18-INCH
AND 36-INCH CURB & GUTTER

861.79 FG
859.85 EX

861.53 FG
859.97 EX

861.49 FG
859.97 EX

862.08 FG
858.70 EX

862.19 FG
858.33 EX

CONCRETE CURB & GUTTER
18-INCH TYPE D

MANHOLES 4-J
TC = 861.94
INV = 857.97

9.52

CURB RAMP
DETECTABLE
WARNING FIELD
(TYP)

106 LF 12" SSPRC CL IV
INV UP = 858.50
INV DN = 857.97
0.50% SLOPE

INLETS 3-FT DIA-Z
TC = 861.42
INV = 858.50

861.76 FG
859.58 EX

862.66 FG
863.04 EX

862.52 FG
863.15 EX

CONCRETE CURB & GUTTER
6-INCH SLOPED 36-INCH
TYPE D

TUBULAR STEEL PAINTED
GATE STOP WITH CONCRETE
BASE (BY OTHERS)

36-FT TUBULAR STEEL
PAINTED GATE WITH
FOOTINGS (BY OTHERS)

HILL TOP DRIVE

1205+00

PT 1205+52.63

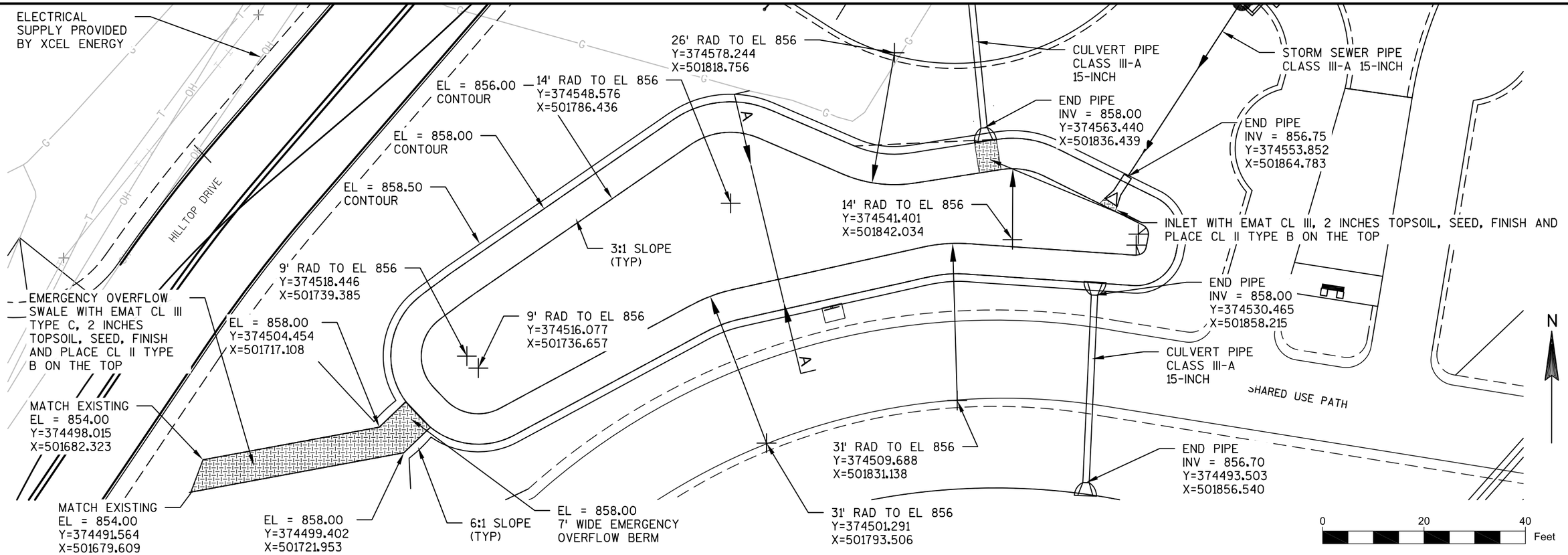
1206+00

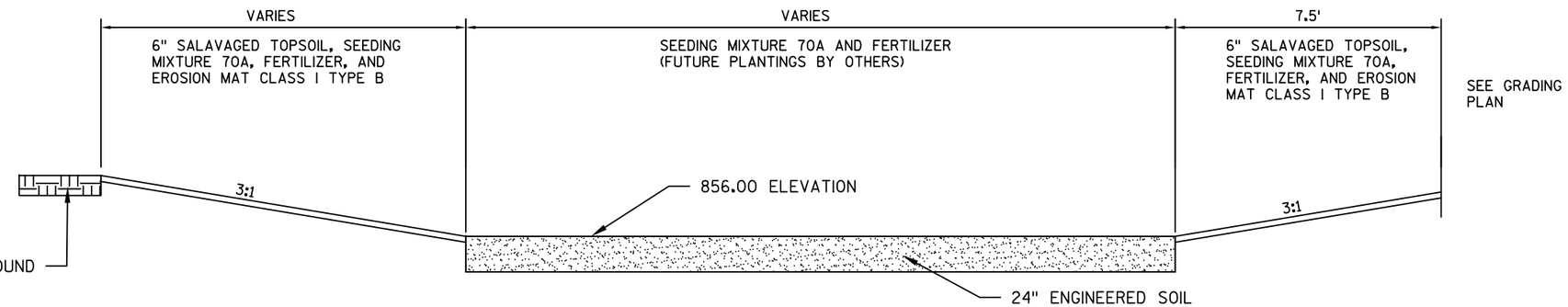
N

0 10 20 30
FEET
SCALE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN DETAILS HILLTOP DRIVE ACCESS AREA	SHEET 72	E

2





NOTES:

THE ENGINEERED SOIL MIX SHALL BE INCORPORATED INTO THE EXISTING SOIL USING A CHISEL PLOW OR ROTARY DEVICE WITH THE CAPABILITY OF REACHING 12 INCHES BELOW THE GRADED SURFACE.

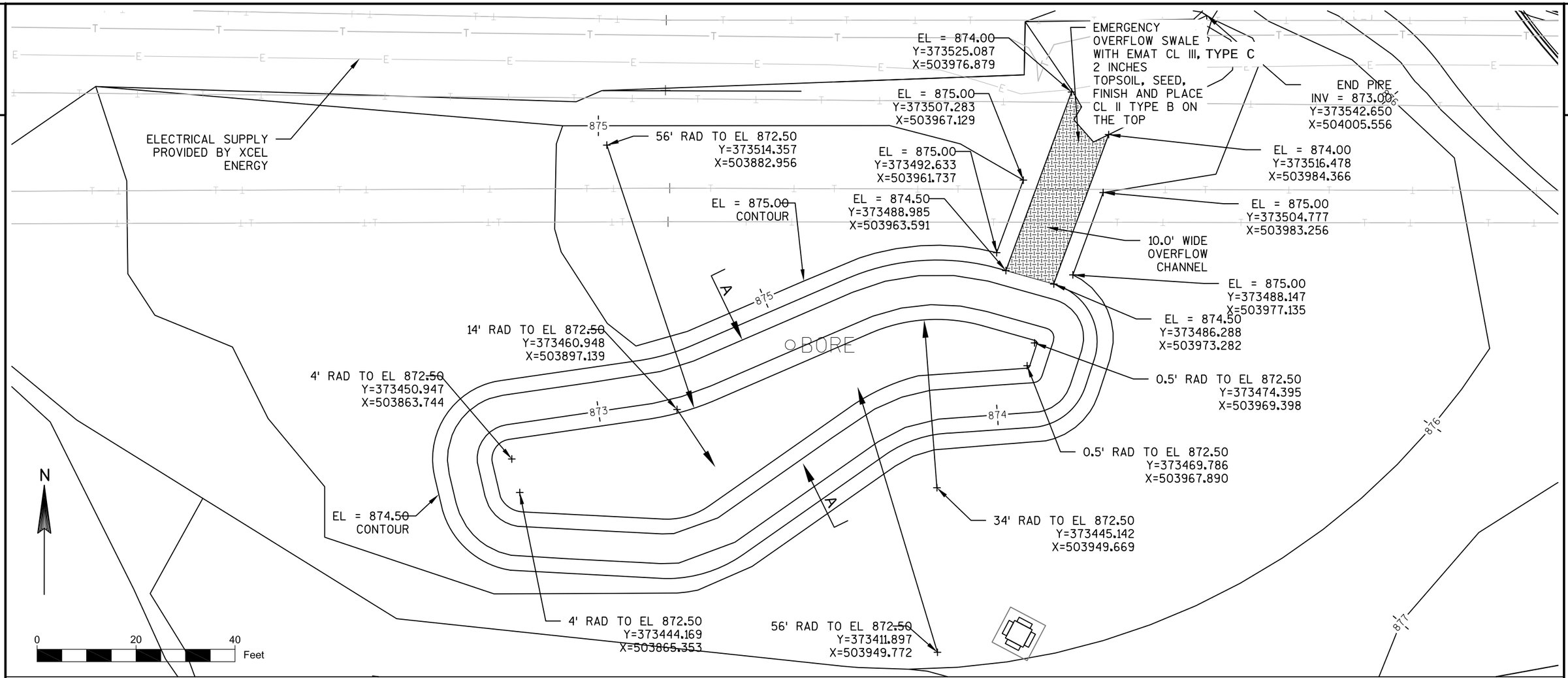
MINIMIZE CONSTRUCTION ACTIVITIES WITHIN THE RAIN GARDEN BASIN, USE TRACK MACHINES TO MINIMIZE COMPACTION.

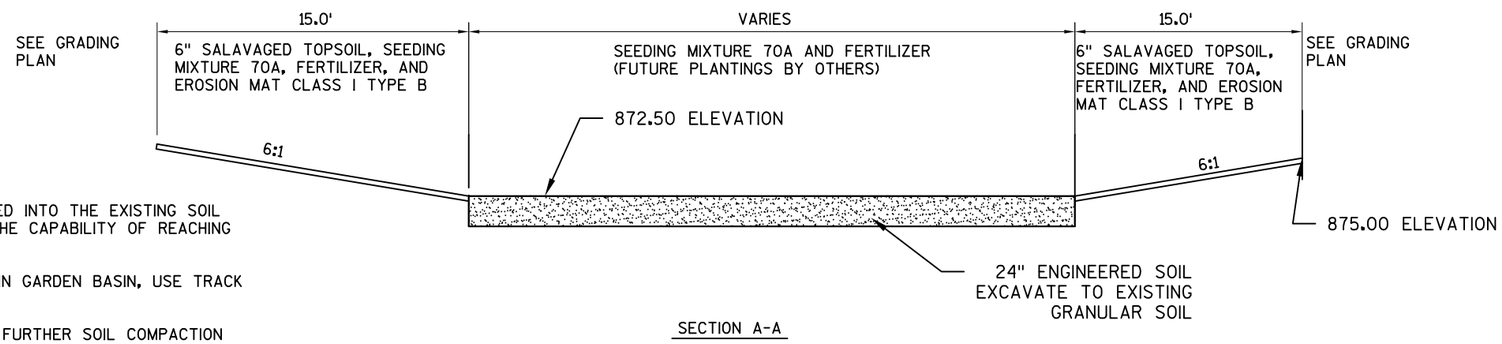
PROTECT AREA ONCE CONSTRUCTED TO PREVENT FURTHER SOIL COMPACTION

SECTION A-A

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN DETAILS: HILLTOP PARKING AREA STORMWATER RAIN GARDEN	SHEET	E

2





SECTION A-A

NOTES:

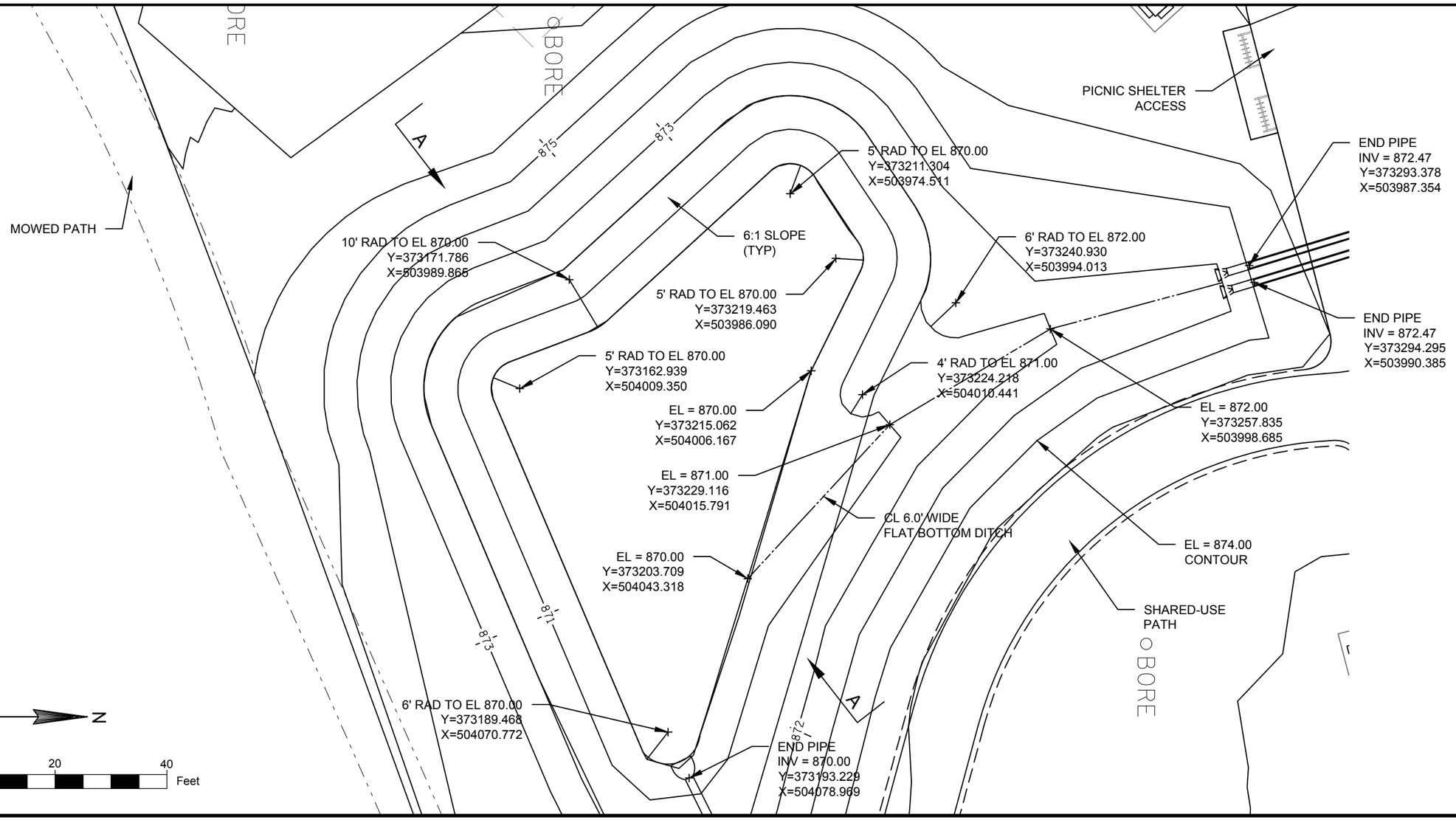
THE ENGINEERED SOIL MIX SHALL BE INCORPORATED INTO THE EXISTING SOIL USING A CHISEL PLOW OR ROTARY DEVICE WITH THE CAPABILITY OF REACHING 12 INCHES BELOW THE GRADED SURFACE.

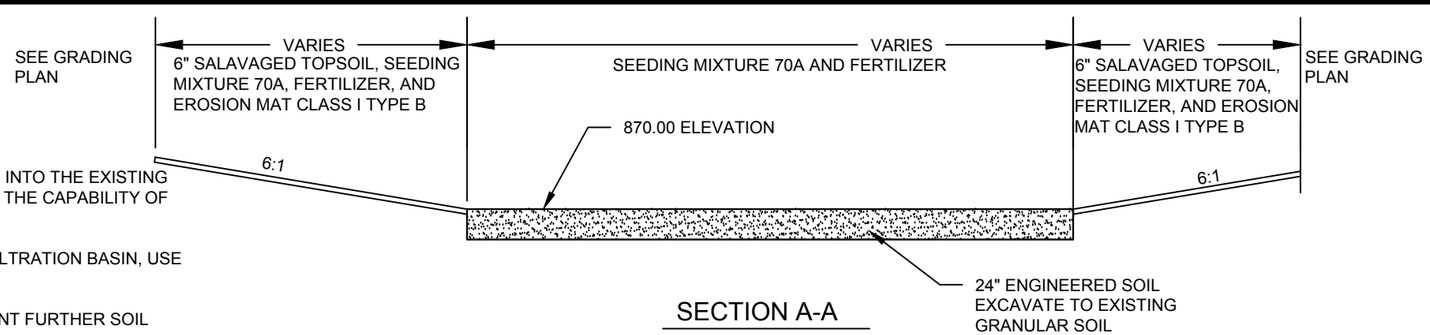
MINIMIZE CONSTRUCTION ACTIVITIES WITHIN THE RAIN GARDEN BASIN, USE TRACK MACHINES TO MINIMIZE COMPACTION.

PROTECT AREA ONCE CONSTRUCTED TO PREVENT FURTHER SOIL COMPACTION AND DAMAGE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN DETAILS: MAIN TRAILHEAD RAIN GARDEN	SHEET E

2





SECTION A-A

NOTES:

THE ENGINEERED SOIL MIX SHALL BE INCORPORATED INTO THE EXISTING SOIL USING A CHISEL PLOW OR ROTARY DEVICE WITH THE CAPABILITY OF REACHING 12 INCHES BELOW THE GRADED SURFACE.

MINIMIZE CONSTRUCTION ACTIVITIES WITHIN THE INFILTRATION BASIN, USE TRACK MACHINES TO MINIMIZE COMPACTION.

PROTECT THIS AREA ONCE CONSTRUCTED TO PREVENT FURTHER SOIL COMPACTION AND DAMAGE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN DETAILS: MAIN TRAILHEAD INFILTRATION BASIN	SHEET 75	E

2

SHARED USE PATH

PEDESTRIAN UNDERPASS

874

875

872

873

A

MAIN TRAILHEAD PARKING AREA

END PIPE
INV = 870.00
Y=373256.944
X=504208.105

6:1 SLOPE (TYP)

870

871

19' RAD TO EL 870.00
Y=373281.894
X=504221.636

4' RAD TO EL 870.00
Y=373259.544
X=504214.235

19' RAD TO EL 870.00
Y=373394.626
X=504236.802

875

873

44' RAD TO EL 870.00
Y=373332.618
X=504247.034

19' RAD TO EL 870.00
Y=373300.369
X=504249.978

O BORE

19' RAD TO EL 870.00
Y=373394.698
X=504273.132

EL = 873.75
Y=373438.420
X=504311.603

870

872

19' RAD TO EL 870.00
Y=373342.199
X=504274.00

EL = 873.00
Y=373426.768
X=504291.585

EL = 874.00
Y=373444.624
X=504315.662

EL = 875.00
Y=373484.753
X=504319.026

56' RAD TO EL 870.00
(NOT SHOWN)
Y=373281.450
X=504322.663

CL GRASS SWALE

A

N

0 20 40 Feet

SEE GRADING PLAN

VARIES
6" SALAVAGED TOPSOIL, SEEDING MIXTURE 70A, FERTILIZER, AND EROSION MAT CLASS I TYPE B

VARIES
SEEDING MIXTURE 70A AND FERTILIZER

VARIES
6" SALAVAGED TOPSOIL, SEEDING MIXTURE 70A, FERTILIZER, AND EROSION MAT CLASS I TYPE B

MATCH EXISTING GROUND

870.00 ELEVATION

6:1

6:1

24" ENGINEERED SOIL EXCAVATE TO EXISTING GRANULAR SOIL

SECTION A-A

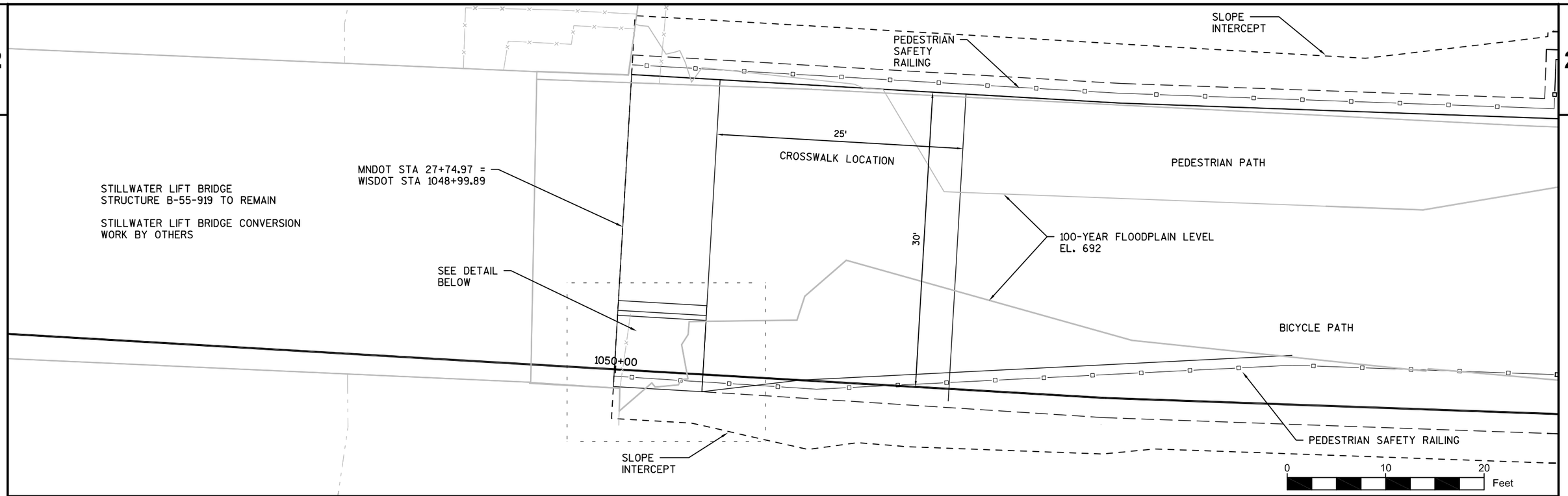
NOTES:

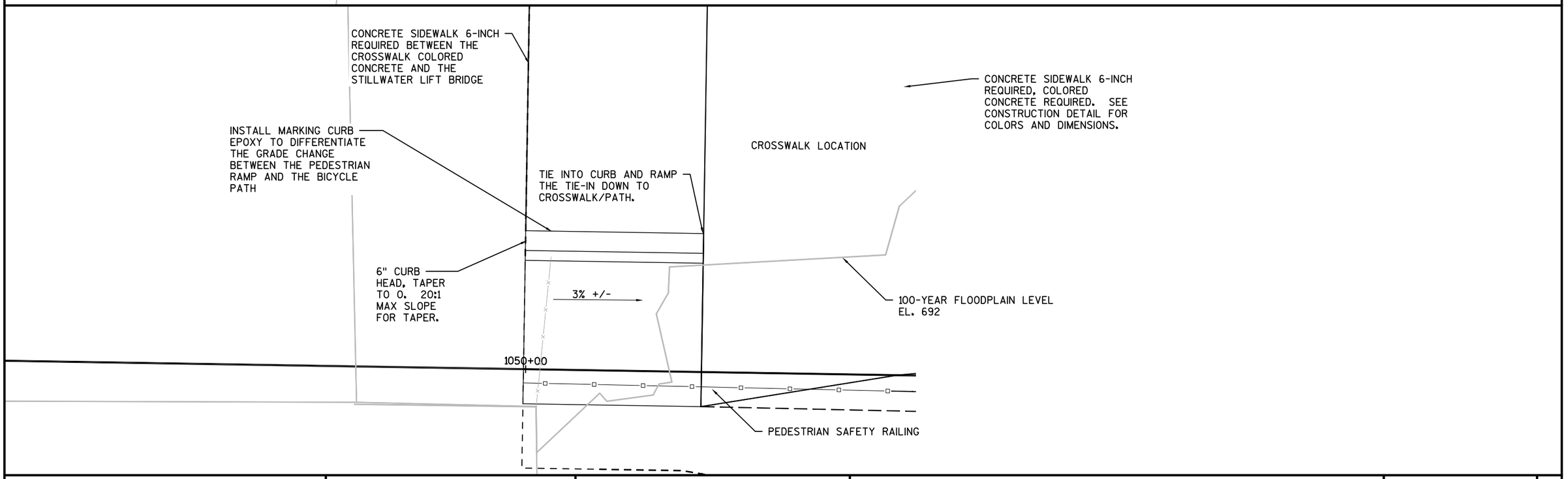
THE ENGINEERED SOIL MIX SHALL BE INCORPORATED INTO THE EXISTING SOIL USING A CHISEL PLOW OR ROTARY DEVICE WITH THE CAPABILITY OF REACHING 12 INCHES BELOW THE GRADED SURFACE.

MINIMIZE CONSTRUCTION ACTIVITIES WITHIN THE INFILTRATION BASIN, USE TRACK MACHINES TO MINIMIZE COMPACTION.

PROTECT THIS AREA ONCE CONSTRUCTED TO PREVENT FURTHER SOIL COMPACTION AND DAMAGE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN DETAILS: MAIN TRAILHEAD INFILTRATION BASIN	SHEET 76	E





PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN DETAIL - LIFT BRIDGE PEDESTRIAN RAMP AND ABUTMENT	SHEET	E

2

ROW

INSTALL PEDESTRIAN RAILING AS CLOSE TO THE NEW RIVER CROSSING BRIDGE AS POSSIBLE BEGINNING AT STH 64 WB STA 130+75.18. EXTEND PEDESTRIAN RAILING OUT 15' IN A PERPENDICULAR DIRECTION, THEN TURN RAILING WEST AND ABUT RAILING TO WISDOT ROW FENCE. WISDOT ROW FENCE IS LOCATED APPROXIMATELY 3' INSIDE OF THE WISDOT ROW.

THE FIRST POST OF THE PEDESTRIAN RAILING WILL LINE UP WITH THE LAST POST OF THE MNDOT DECORATIVE RAILING ON THE NEW ST. CROIX RIVER CROSSING BRIDGE AT STA 130+75.18. PLACE SHORT CANTILEVERED SECTION OF PEDESTRIAN RAILING AS CLOSE TO THE NEW RIVER CROSSING BRIDGE AS POSSIBLE WITHOUT DAMAGING THE BRIDGE. SEE CONSTRUCTION DETAILS FOR CANTILEVER SEGMENT DESIGN.

130

STH 64 WB

132

STH 35

N

0 40 80 Feet

INSTALL 10FT WIDE CONCRETE SIDEWALK 6-INCH FROM BACK OF CURB TO FRONT OF HISTORICAL MARKER, 9 FT WIDE X 10 FT LONG

EXISTING HISTORICAL MARKER

PLACE LIMESTONE AGGREGATE AROUND SIDES AND BACK SIDE OF EXISTING HISTORICAL MARKER, 3 FT X 10 FT

NO MORE THAN 5% SLOPE

1.34%

STA 133+07.72 STH 64 WB

N 368616.32, E 504880.79
EL 845.83

STA 133+17.72 STH 64 WB

EXISTING PEDESTRIAN CURB

N 368603.24, E 504872.53
EL 845.62

SHARED USE PATH

STH 64 WB

N

0 10 20 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN DETAILS - BRIDGE ABUTMENT AND HISTORICAL MARKER	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021206_PD.DWG
LAYOUT NAME - 022001_EC_ - 0225005_EC
PLOT DATE : 1/12/2018 2:37 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 44

HAWK STREET SOUTH LAYOUT POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	DESCRIPTION
1	14+30.16 A	15.83 RT	372662.07	503575.27	MATCH EXISTING
2	14+30.16 A	12.00 LT	372648.96	503550.71	MATCH EXISTING
3	12+52.12 A	12.00 LT	372484.51	503594.83	EDGE OF PAVEMENT
4	12+06.24 A	16.00 RT	372438.72	503622.97	END OF CURB & GUTTER
5	10+58.12 A	12.00 LT	372290.51	503595.43	TANGENT POINT
6	10+38.12 A	8.00 RT	372270.57	503615.49	TANGENT POINT
7	10+58.07 A	8.00 RT	372290.52	503615.37	20-FT RADIUS POINT
8	11+01.38 A	28.58 RT	372333.90	503635.87	TANGENT POINT
35	12+20.45 A	33.99 RT	372452.98	503640.92	5-FT RADIUS POINT

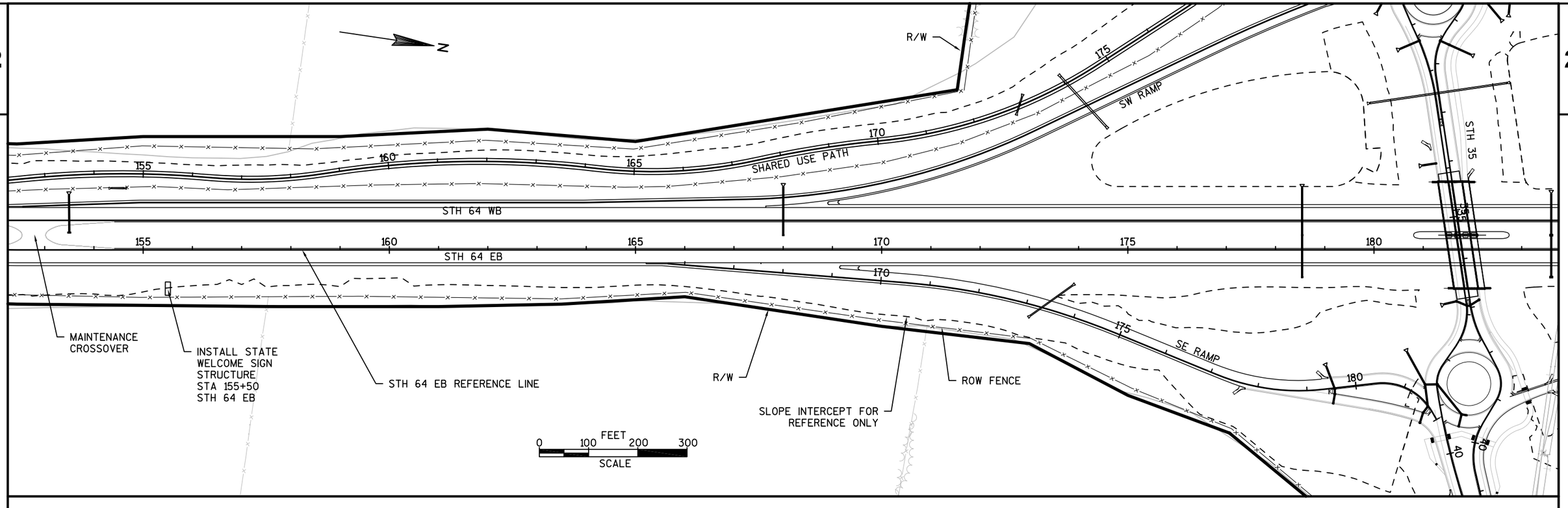
SNOW ROAD LAYOUT POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	DESCRIPTION
9	20+68.04 B	16.00 LT	372298.78	503675.51	TANGENT POINT
10	20+68.04 B	56.00 LT	372338.78	503675.57	40-FT RADIUS POINT
11	21+20.69 B	15.97 LT	372298.71	503728.16	END OF CURB & GUTTER
14	21+45.86 B	15.00 RT	372268.00	503753.29	TANGENT POINT

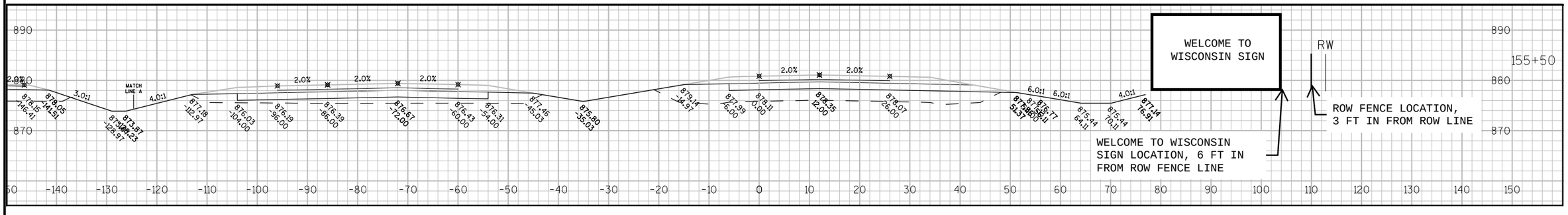
PARK & RIDE LAYOUT POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	DESCRIPTION
12	50+48.52 C	17.50 LT	372331.20	503758.09	END OF CURB & GUTTER
13	50+46.03 C	47.50 LT	372328.71	503728.19	30-FT RADIUS POINT
15	21+85.34 B	10.00 RT	372273.21	503793.37	TANGENT POINT
16	50+25.32 C	22.50 LT	372308.00	503753.17	40-FT RADIUS POINT
17	50+48.52 C	68.50 LT	372331.20	503707.17	EDGE OF PAVEMENT
18	50+69.29 C	70.50 LT	372351.97	503705.17	2-FT RADIUS POINT
19	50+71.30 C	90.50 LT	372353.98	503685.14	END CURB & GUTTER
20	51+20.29 C	90.50 LT	372402.96	503685.14	END CURB & GUTTER
21	51+20.29 C	70.50 LT	372402.96	503705.13	BUS PAD CONCRETE EDGE
22	51+65.22 C	70.50 LT	372447.90	503705.10	BUS PAD CONCRETE EDGE
23	51+20.29 C	54.50 LT	372402.96	503721.14	BUS PAD CONCRETE EDGE
24	51+65.29 C	54.50 LT	372447.96	503721.14	BUS PAD CONCRETE EDGE
25	51+65.22 C	80.50 LT	372447.90	503695.14	MOTORCYCLE PAD CONCRETE EDGE
26	51+88.40 C	70.50 LT	372471.08	503705.13	MOTORCYCLE PAD CONCRETE EDGE
27	51+88.40 C	80.50 LT	372471.07	503695.14	MOTORCYCLE PAD CONCRETE EDGE
28	51+88.39 C	90.50 LT	372471.07	503685.10	END CURB & GUTTER
29	52+79.25 C	90.50 LT	372561.93	503685.06	END CURB AND GUTTER
30	52+99.26 C	84.43 LT	372581.94	503691.27	END HMA PAVEMENT & C&G
31	52+77.19 C	103.50 LT	372562.44	503672.07	END CONC. SW, BEGIN HMA PATH
32	52+99.26 C	17.50 RT	372581.94	503793.05	EDGE OF PAVEMENT
33	50+71.30 C	103.50 LT	372353.98	503672.24	EDGE OF TRAIL
34	51+60.32 C	103.50 LT	372442.99	503672.14	SIDEWALK/TRAIL INT.
36	51+11.29 C	46.50 LT	372393.96	503729.08	PARKING LAYOUT
37	50+21.15 C	27.50 RT	372303.83	503803.17	10-FT RADIUS POINT
38	50+89.75 C	6.50 LT	372372.43	503769.08	PARKING LAYOUT
39	52+55.29 C	46.50 LT	372537.96	503729.07	PARKING LAYOUT
40	52+64.29 C	6.50 LT	372546.96	503769.07	PARKING LAYOUT
41	52+72.26 C	26.58 LT	372554.94	503749.12	PARKING LAYOUT

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PARK AND RIDE LAYOUT DETAIL	SHEET 79	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\PKNR ID.DWG LAYOUT NAME - ID-(1) PLOT DATE : 12/18/2017 3:55 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42



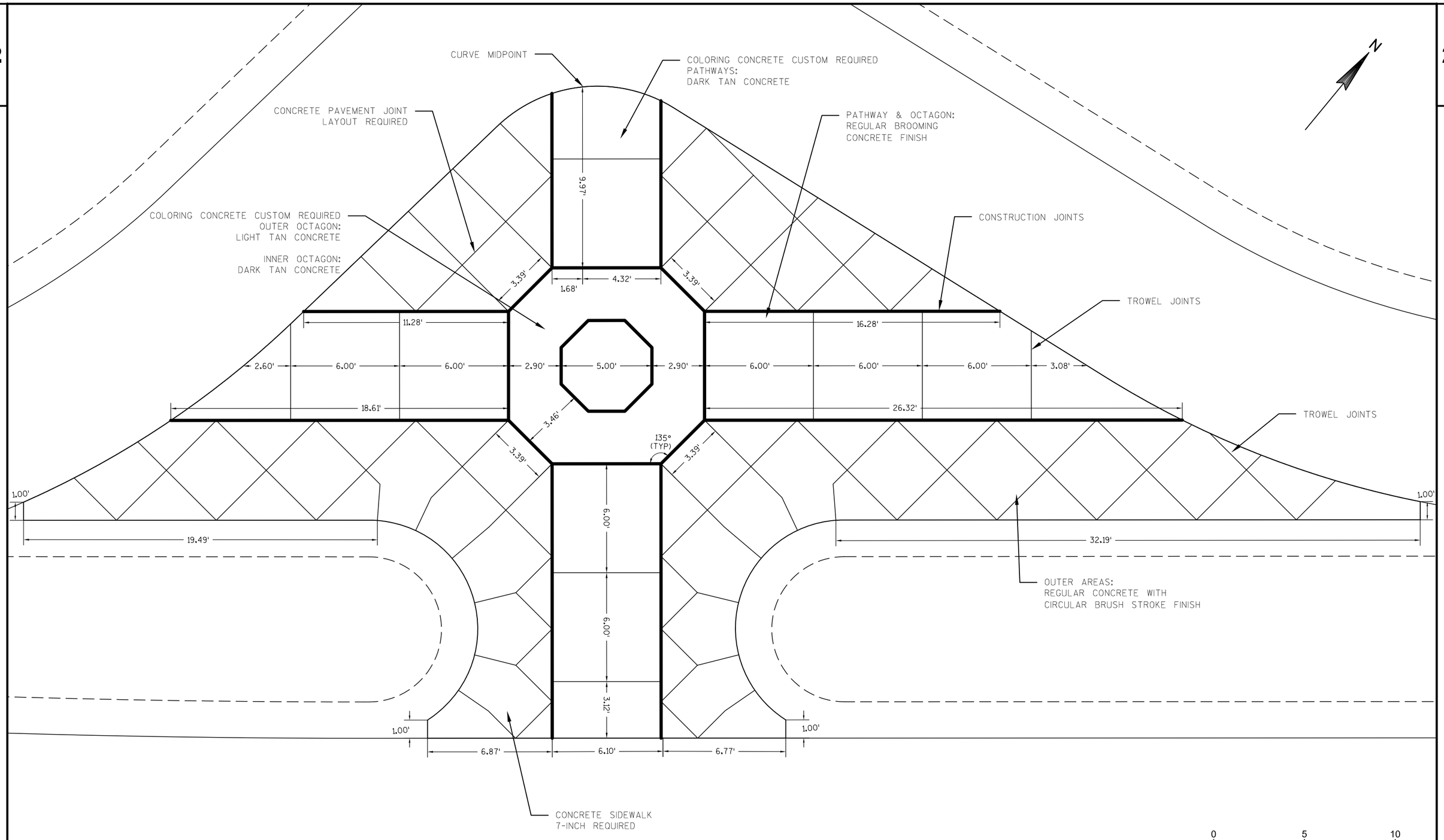


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND CROSS SECTION: WELCOME TO WISCONSIN SIGN	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050115_PP_64EB.DWG
LAYOUT NAME - 050101_PP_64EB_75 - 050102

PLOT DATE : 12/29/2017 3:27 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1" = 200'_XREF

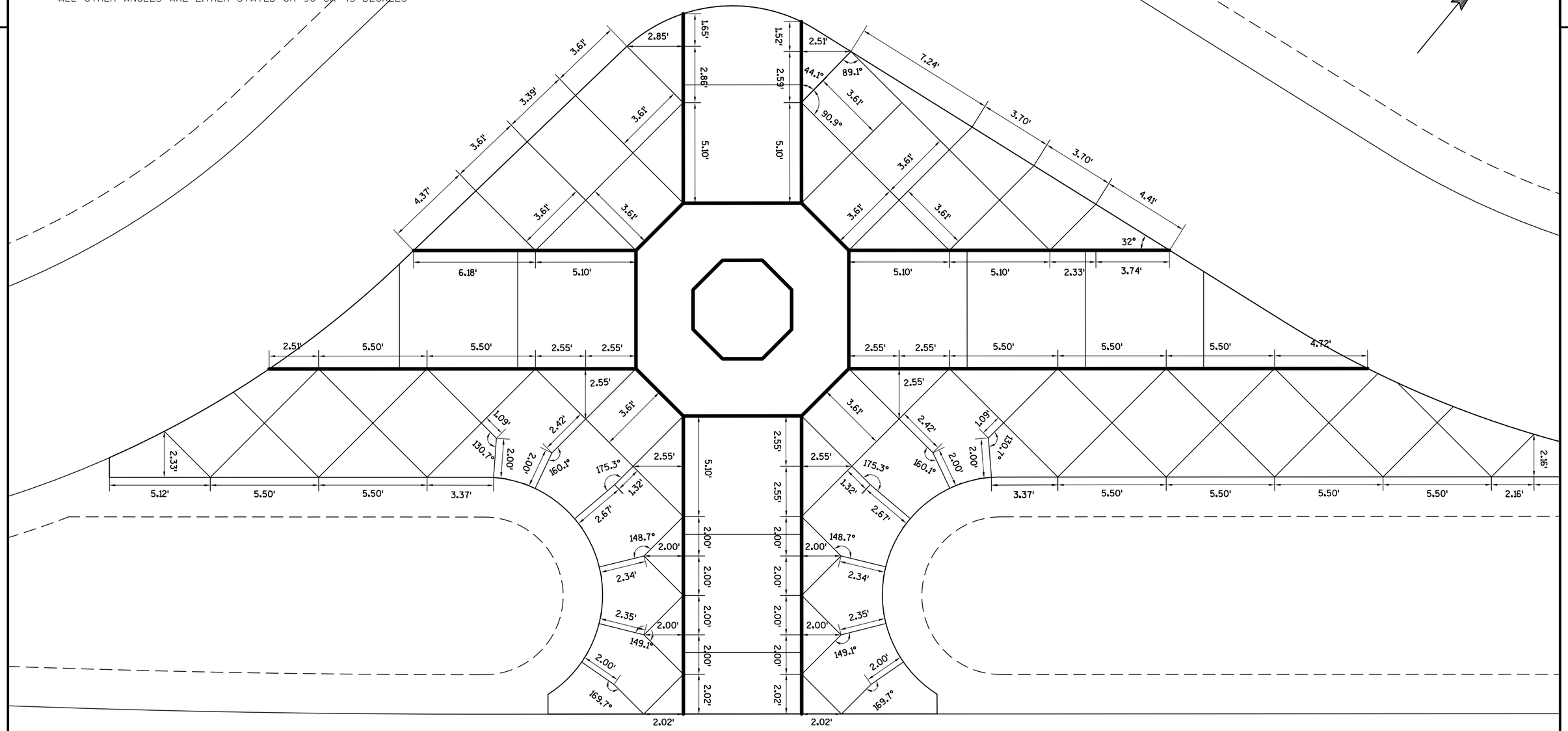
2



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	JOINT DETAILS: OLD STH 64 MULTI-USE PATH PLAZA I	SHEET E

*ANGLES CREATED BY THE INTERSECTION OF A JOINT LINE WITH THE PEDESTRIAN PATH EDGELINE ARE NOT STATED.

*ALL OTHER ANGLES ARE EITHER STATED OR 90 OR 45 DEGREES



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	JOINT DETAILS: OLD STH 64 MULTI-USE PATH PLAZA I	SHEET E

2

N

COLORING CONCRETE CUSTOM REQUIRED
PATHWAYS:
DARK TAN CONCRETE

CURVE MIDPOINT

COLORING CONCRETE CUSTOM REQUIRED
OUTER OCTAGON:
LIGHT TAN CONCRETE

INNER OCTAGON:
DARK TAN CONCRETE

CONSTRUCTION JOINTS

TROWEL JOINTS

CONCRETE PAVEMENT JOINT
LAYOUT REQUIRED

PATHWAY & OCTAGON:
REGULAR BROOMING
CONCRETE FINISH

TROWEL JOINTS

OUTER AREAS:
REGULAR CONCRETE WITH
CIRCULAR BRUSH STROKE FINISH

CONCRETE SIDEWALK
7-INCH REQ'D

4.55'
2.12'
2.12'
1.57'
3.43'
10.59'
10.87'
3.99'
5.00'
5.00'
2.00'
4.00'
5.00'
5.00'
4.42'
18.19'
18.61'
2.55'
135°
(TYP)
2.12'
2.12'
5.00'
6.02'
1.26'
23.86'
24.31'
1.21'
1.00'
1.00'
6.93'
5.00'
6.93'

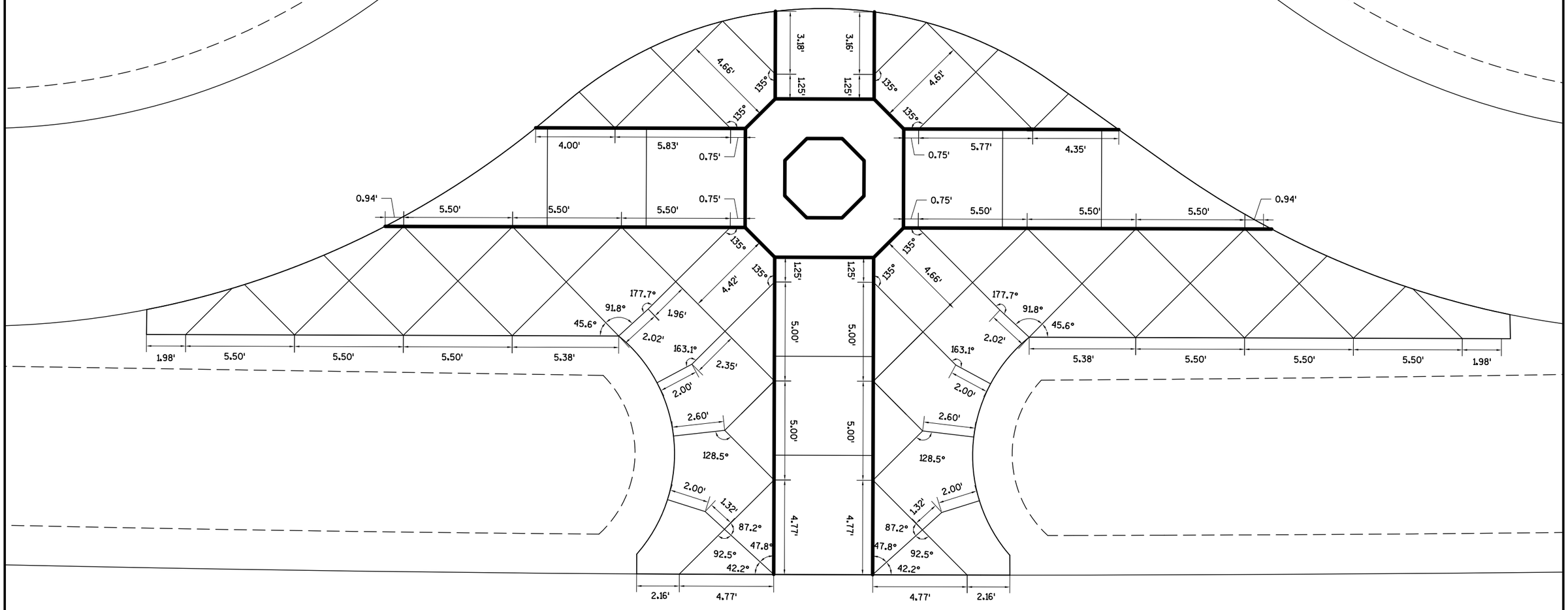
0 5 10 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	JOINT DETAILS: OLD STH 64 MULTI-USE PATH PLAZA II	SHEET E

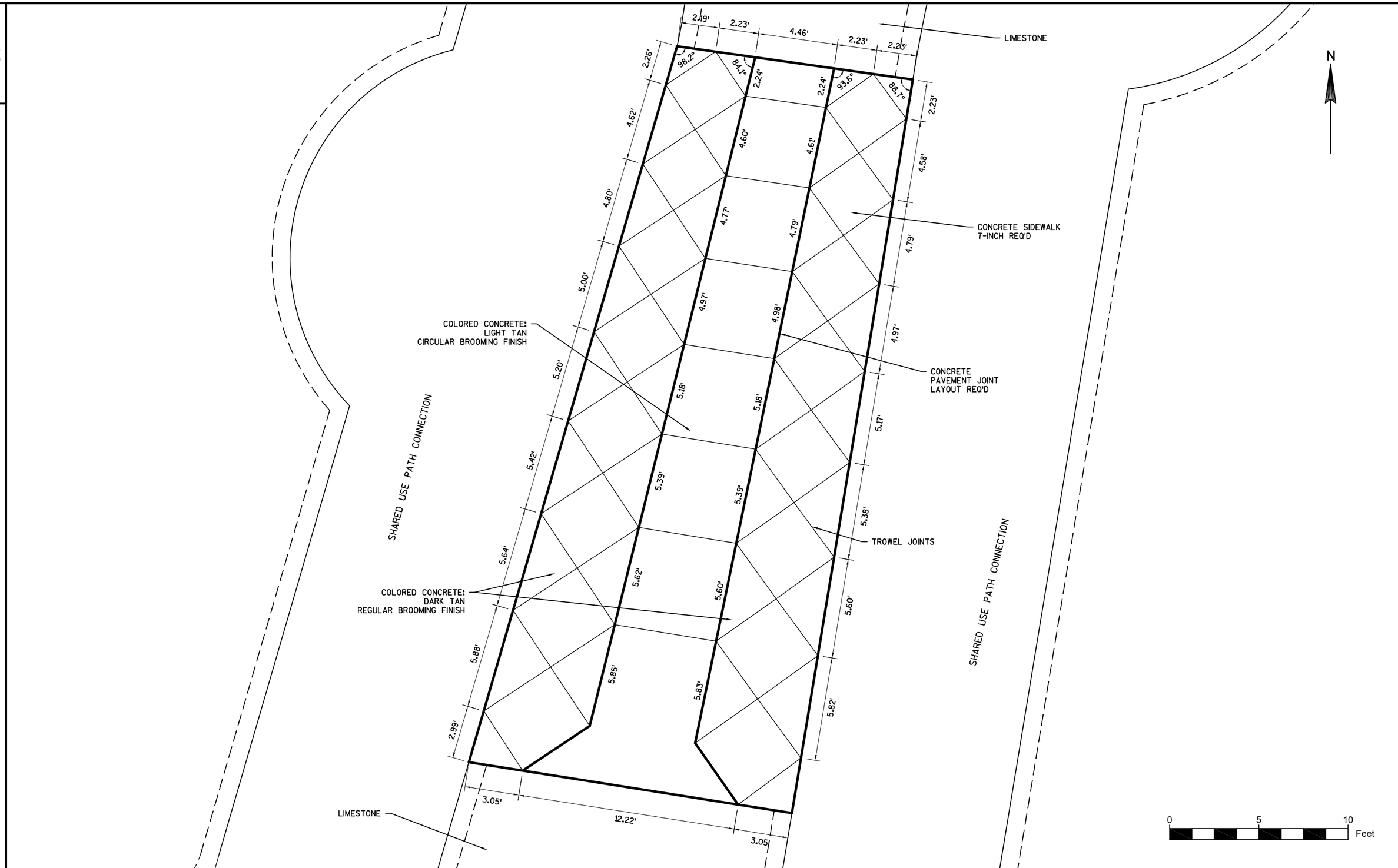
*ANGLES CREATED BY THE INTERSECTION OF A JOINT LINE WITH THE PEDESTRIAN PATH EDGELINE ARE NOT STATED.

*ALL OTHER ANGLES ARE EITHER STATED OR 90 OR 45 DEGREES

2



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	JOINT DETAILS: OLD STH 64 PLAZA 2	SHEET E



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	JOINT DETAILS: HILLTOP PLAZA	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021301-JD_HILLTOP PARKING PATHS.DWG PLOT DATE : 1/12/2018 2:22 PM PLOT BY : DAVIST PLOT NAME :

WISDOT/CADDS SHEET 44

ELECTRICAL SUPPLY PROVIDED BY XCEL ENERGY

56 LF - 24" RCP
INV IN (S) = 873.00
INV OUT (N) = 871.50
2-24" RCP AEW REQ'D
TRASHGUARDS REQ'D

HOULTON SCHOOL CIRCLE

STORM WATER RAIN GARDEN 872.50 BOTTOM EL

MAIN TRAILHEAD PARKING AREA (39 STALLS 9'x20')

24' WIDE LIMESTONE SITE ACCESS

SHARED USE PATH

BASIN OVERFLOW TO 24" RCP

GRASS SWALE DRAINS TO BASIN

AREA OF TEMPORARY WASTE SITE. RESTORE SITE TO ORIGINAL CONTOURS

6:1 SLOPES ON SIDES OF SWALE

GRASS SWALE TO BASIN

STORM WATER INFILTRATION BASIN 870.00 BOTTOM EL

6:1 SLOPE

R/W

FUTURE MAINTENANCE BUILDING AND PARKING AREA (BY OTHERS).

PROPOSED CONTOUR

10:1 SLOPE

SHARED USE PATH

HAWK STREET

EXISTING CONTOUR

144 LF SSP CL III-A 18 INCH
2 EACH AEW FOR CULVERT PIPE 18-INCH
INV EL = 870.00 (BOTH)

PROPOSED VISION OBSTRUCTING BERM AREA
883.00'-884.00' TOP ELEVATION

4:1 SLOPE

PROTECT EXISTING DRAIN FIELD AREA

6:1 SLOPE

STORM WATER INFILTRATION BASIN 870.00 BOTTOM EL

STH 35

RESTROOM BUILDING
48.67' x 28.67'
INCLUDING CONCRETE SIDEWALK AROUND THREE SIDES OF BUILDING

PICNIC TABLE/SHELTER
20' WIDE LIMESTONE ACCESS POINT
2 - 40 LF - CULVERT PIPE CLASS III 12-INCH
4 - APRON ENDWALLS FOR CULVERT PIPE 12-INCH
INV IN (N) = 872.75
INV OUT (S) = 872.47

EXISTING PEDESTRIAN UNDERPASS

SHARED USE PATH CONNECTION TO PARK AND RIDE LOT

N

0 100 200 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CONTOUR MAP: MAIN TRAILHEAD AREA	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021601_CM.DWG PLOT DATE : 1/13/2018 1:18 PM PLOT BY : DAVIST PLOT NAME :

WISDOT/CADDS SHEET 44

2

PROTECT EXISTING
DRAIN FIELD AREA

10:1 SLOPE

6:1
SLOPE

PROPOSED
CONTOUR

EXISTING
CONTOUR

PROPOSED VISION
OBSTRUCTING
BERM AREA
883.00'-884.00' TOP ELEVATION

4:1 SLOPE

881

883

880

882

883

880

BORE

BORE

BORE

BORE

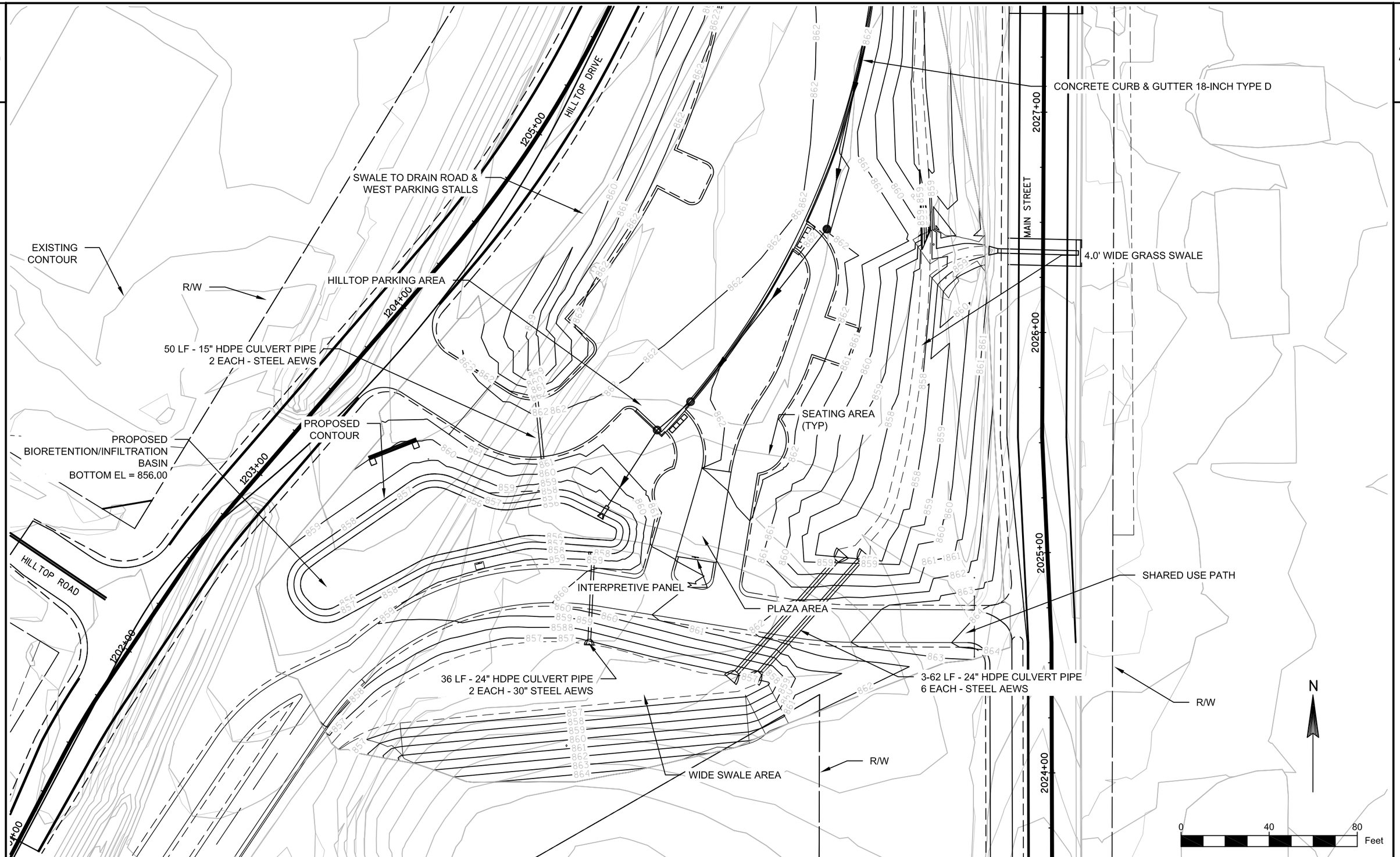
N

0 20 40 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CONTOUR MAP: MAIN TRAILHEAD BERM AREA	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021601_CM.DWG PLOT DATE : 11/30/2017 4:25 PM PLOT BY : DAVIST PLOT NAME :

2



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CONTOUR MAP HILLTOP DRIVE PARKING AREA	SHEET E

2

2

1208+00

2029+00

1207+00

MAIN STREET

SWALE TO DRAIN ROAD &
WEST PARKING STALLS

1206+00

HILLTOP DRIVE

HILLTOP PARKING AREA

R/W

EXISTING
CONTOUR

PROPOSED
CONTOUR

1205+00

CONCRETE CURB & GUTTER 18-INCH TYPE D

4.0' WIDE GRASS SWALE

2028+00

2027+00

50 LF - 15" HDPE CULVERT PIPE
2 EACH - STEEL AEWS

1204+00

2026+00

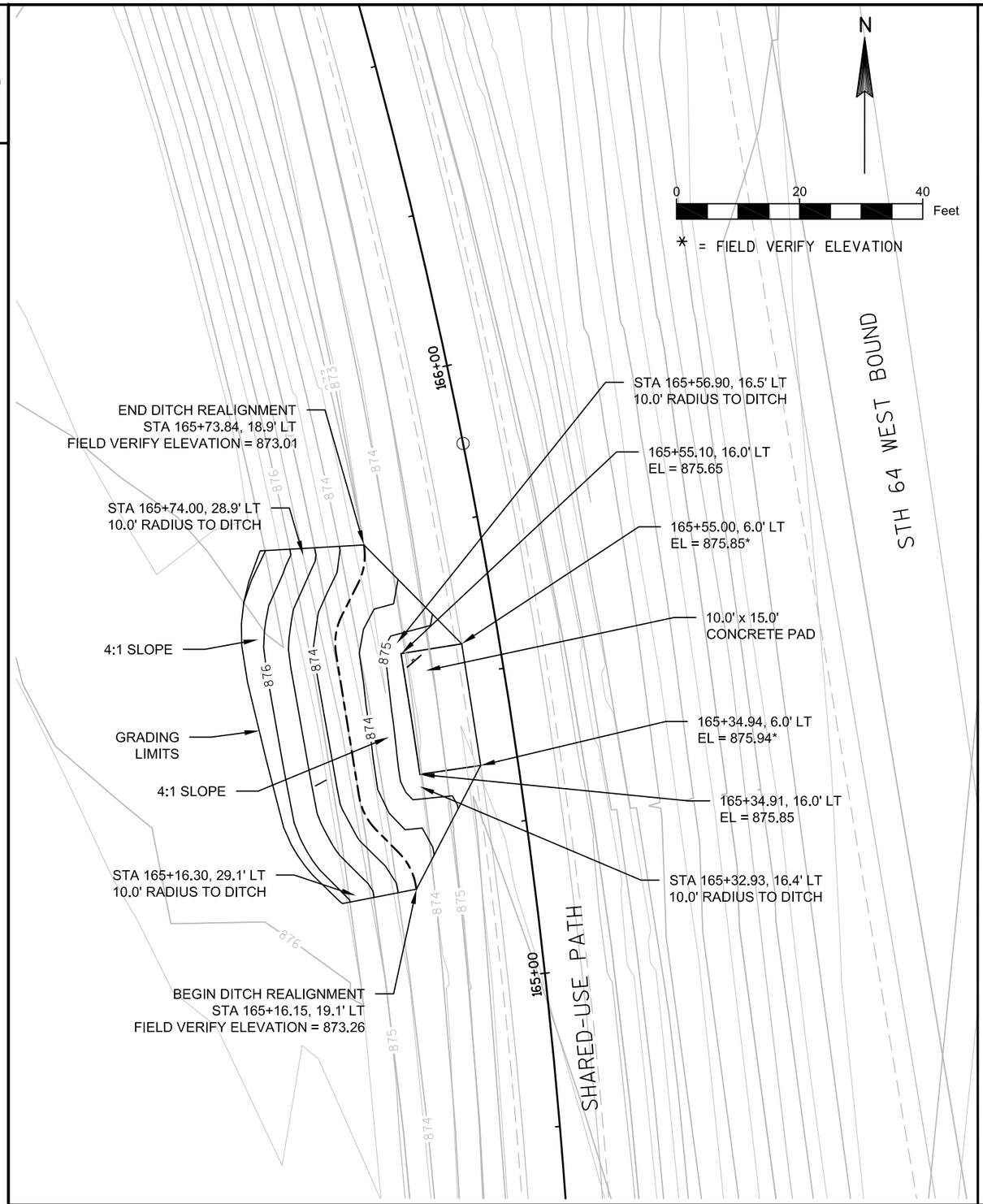
R/W

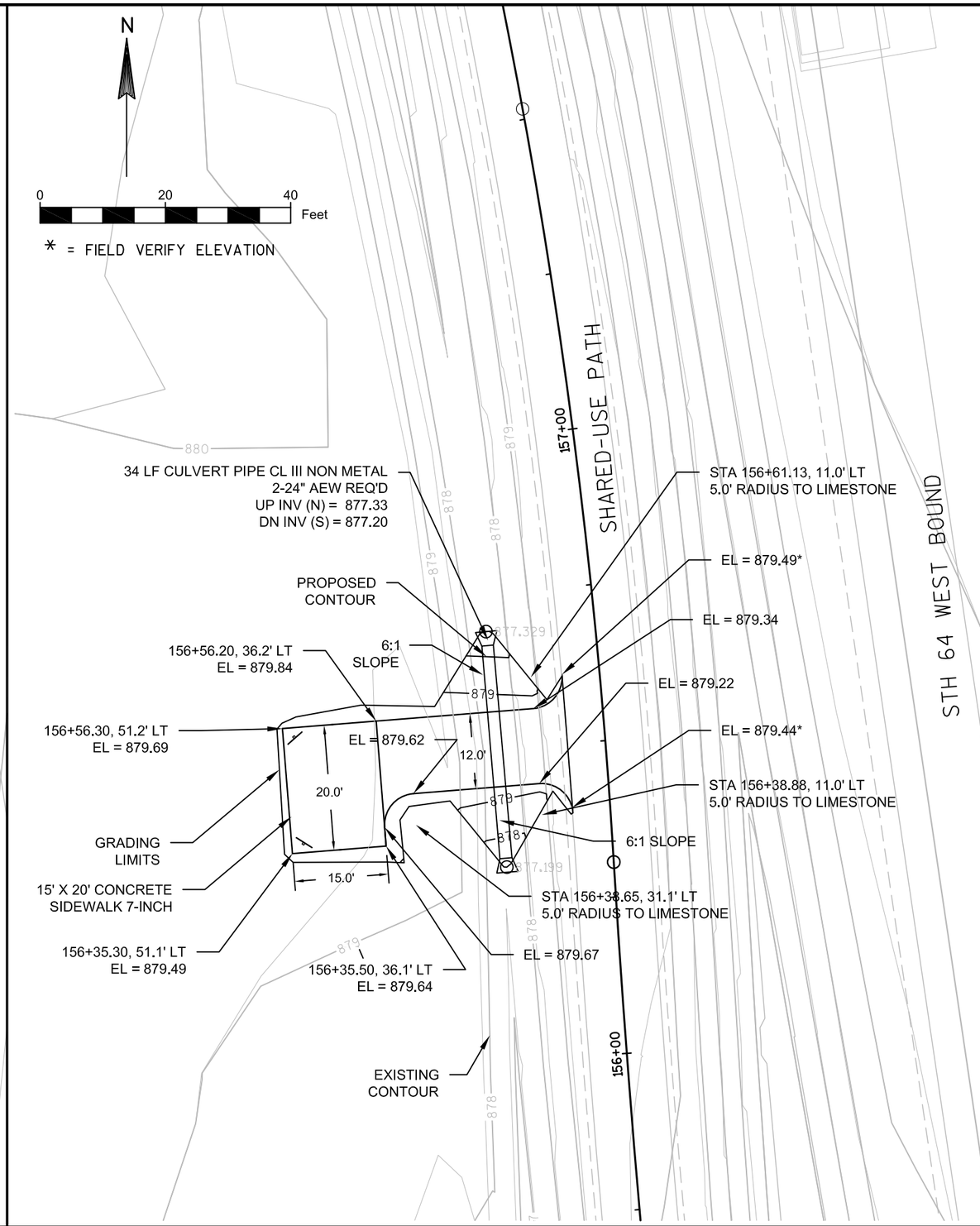
N

0 40 80 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CONTOUR MAP HILLTOP DRIVE PARKING AREA	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\021602_CM.DWG PLOT DATE : 12/15/2017 10:08 AM PLOT BY : DAVIST PLOT NAME :





PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CONTOUR MAP SHARED-USE PATH GRADING APPERTENCES	SHEET E

2

HOULTON SCHOOL CIRCLE

513+50 514+00 514+50 515+00 515+50 516+00 516+50 517+00 517+50 518+00 518+50 519+00 519+50 520+00 520+50 521+00 521+50 522+00 522+50

STA 519+29.24, 15.03' R
HOULTON SCHOOL CIRCLE

STA 519+35.49, 20.86' R
HOULTON SCHOOL CIRCLE

STA 520+48.29, 40.95' R
HOULTON SCHOOL CIRCLE

6.08'

10 'OFFSET FROM EDGE OF LOT

STA 522+55.04, 67.83' R
HOULTON SCHOOL CIRCLE

STA 188+36.18, 16.00' R
SHARED USE PATH

STA 186+72.70, 16.00 R
SHARED USE PATH

STA 2+73.39, 20.00' L
SIDE TRAIL 1

STA 2+82.13, 20.00' R
SIDE TRAIL 1

STA 186+00.04, 16.00 R
SHARED USE PATH

STA 186+33.77, 16.00' L
SHARED USE PATH

STA 1+74.64, 20.00' L
SIDE TRAIL 1

STA 183+96.03, 15.74' R
SHARED USE PATH

STA 184+27.25, 16.00' R
SHARED USE PATH

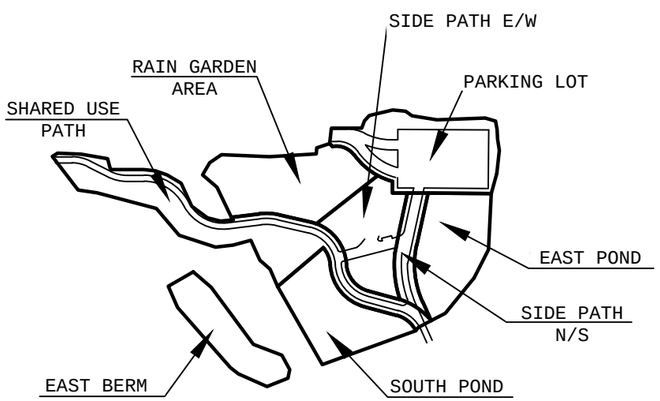
STA 0+08.81, 20.00' R
SIDE TRAIL 1

STA 183+62.90, 16.00' L
SHARED USE PATH

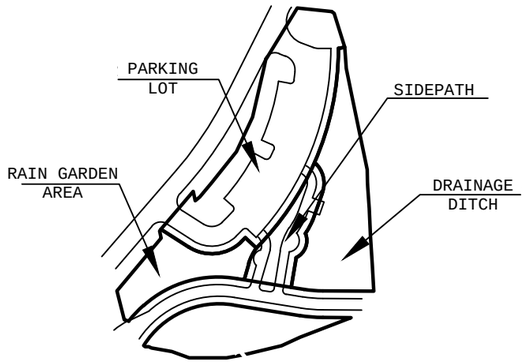
N

NOTE:
EARTHWORK BROKEN DOWN IN AREAS AS INDICATED BELOW.

0 60 120 Feet



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	MATCH LINES: MAIN TRAILHEAD	SHEET 91	E



NOTE:
EARTHWORK BROKEN DOWN IN AREAS AS INDICATED ABOVE.

2

STA 13+50.00, 43.00' R
HILLTOP PARKING LOT

STA 1+85.08, 16.00' R
HILLTOP PATH 2

STA 10+00.00, 24.00' R
HILLTOP PARKING LOT

STA 0+67.91, 12.00' L
HILLTOP PATH 1

STA 0+46.18, 16.00' L
HILLTOP PATH 1

STA 1079+31.61, 25.00' L
OLD 64 HILL PATH

STA 1079+17.83, 10.00' R
OLD 64 HILL PATH

STA 1080+75.38, 25.00' L
OLD 64 HILL PATH

STA 1081+38.23, 25.00' L
OLD 64 HILL PATH

STA 1082+51.24, 25.00' L
OLD 64 HILL PATH

STA 1082+21.66, 10.00' R
OLD 64 HILL PATH

10' OFFSET FROM EDGE OF LOT

8.13'
8.84'

N

0 50 100 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	MATCH LINES: HILLTOP TRAILHEAD	SHEET 92	E

2

2

HOULTON SCHOOL CIRCLE

6+00

PI: 2015+37.93

SHARED-USE PATH

PI: 2018+69.91

MATCHLINE STA 2020+00

2013 2014 2015 2016 2017 2018 2019 20

MAIN ST

SHARED-USE PATH

N

0 50 100 Feet

LEGEND

- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, URBAN TYPE B
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- LIGHT RIP RAP
- EROSION BALE
- CULVERT PIPE CHECK
- Ⓐ INLET PROTECTION TYPE A
- Ⓒ INLET PROTECTION TYPE C
- Ⓓ INLET PROTECTION TYPE D

PARKING LOT

N

SHARED-USE PATH 1082+00

PI: 2022+69.76

PI: 2025+52.41

MATCHLINE STA 2020+00

SHARED-USE PATH

20 2021 2022 2023 2024 2025 2026 20

MAIN ST

MATCHLINE STA 2027+00

Ⓒ Ⓐ

0 50 100 Feet

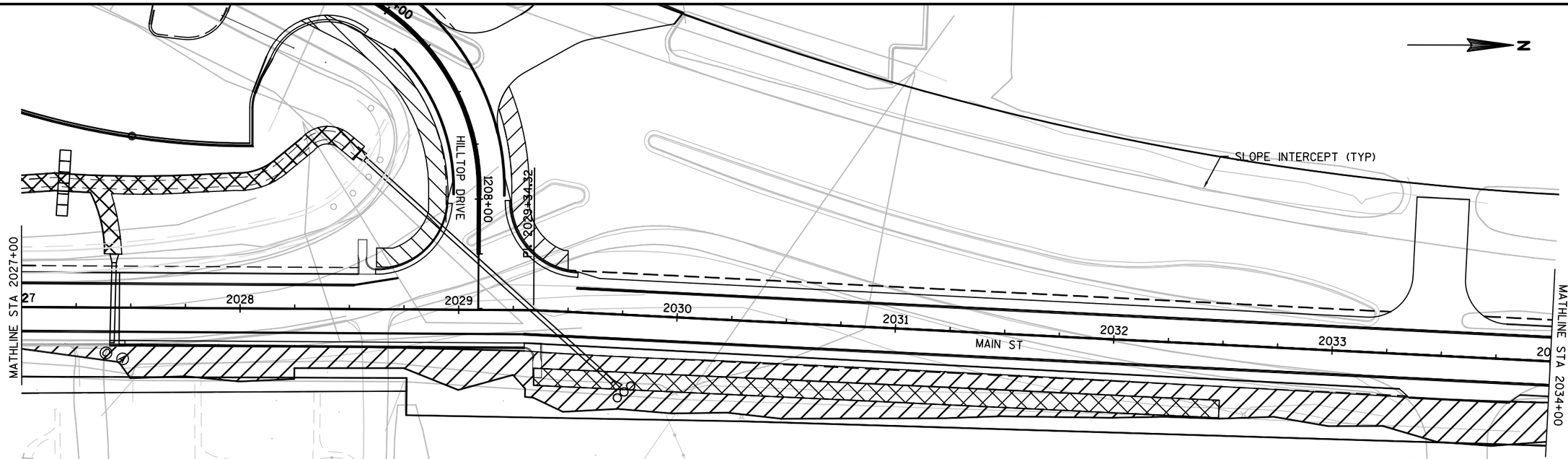
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EROSION CONTROL - MAIN STREET	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022001_EC.DWG
LAYOUT NAME - 022001_EC_ - 0225001_EC

PLOT DATE : 1/13/2018 1:07 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

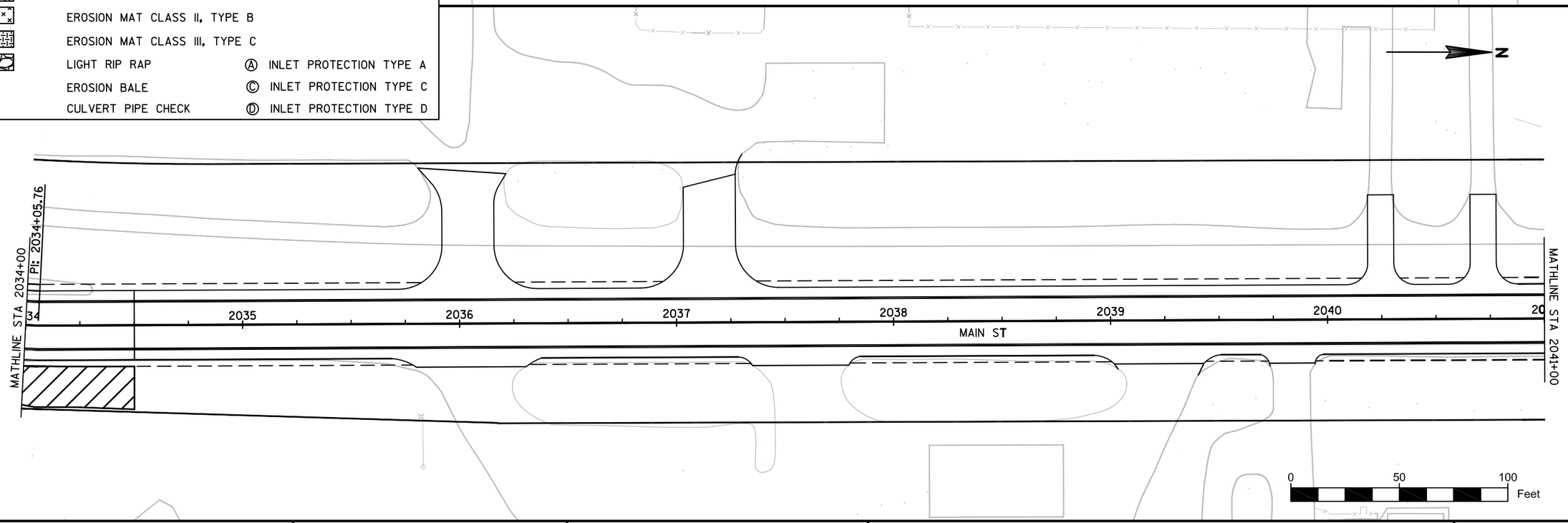
WISDOT/CADDS SHEET 44

2



LEGEND

- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, URBAN TYPE B
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- LIGHT RIP RAP
- EROSION BALE
- CULVERT PIPE CHECK
- Ⓐ INLET PROTECTION TYPE A
- Ⓒ INLET PROTECTION TYPE C
- Ⓓ INLET PROTECTION TYPE D



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EROSION CONTROL - MAIN STREET	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022001_EC.DWG
LAYOUT NAME - 022001_EC_ - 0225002_EC
PLOT DATE : 1/13/2018 1:09 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2

N

MATCHLINE STA 2041+00

41

2042

2043

2044

2045

PC: 2044+56.65

MAIN ST

STA 2045+00 END
OF WISDOT WORK

0 50 100 Feet

LEGEND

- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, URBAN TYPE B
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- LIGHT RIP RAP
- EROSION BALE
- CULVERT PIPE CHECK
- Ⓐ INLET PROTECTION TYPE A
- Ⓒ INLET PROTECTION TYPE C
- Ⓓ INLET PROTECTION TYPE D

N

RAINBOW ST

1+00

1+00

STATE ST

2+00

HOULTON SCHOOL CIRCLE

3+00

0 50 100 Feet

PROJECT NO:8110-02-73	HWY:STH 64	COUNTY:ST. CROIX	EROSION CONTROL - MAIN STREET, STATE/RAINBOW STREET	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022001_EC.DWG
LAYOUT NAME - 022001_EC_ - 0225003_EC

PLOT DATE : 1/13/2018 1:10 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

DITCH CHECKS TO BE PLACED AT A 45° ANGLE

PLACE POLYETHYLENE SHEETING AS DIRECTED BY ENGINEER IN FIELD TO PREVENT EROSION DURING GRADING OPERATIONS

DO NOT TERMPORARILY OR PERMANENTLY DISTURB EXISTING GROUTED RIPRAP DRAINAGE FLUME

REMOVE EXISTING ASPHALT SURFACE, MILLING PRIOR TO GRADING

DO NOT TERMPORARILY OR PERMANENTLY DISTURB EXISTING GROUTED RIPRAP DRAINAGE FLUME

PLACE CLASS II TYPE B EROSION MAT

STH 64

CTH E

RAINBOW ST

1+00

1101+00 1102+00 1103+00 1104+00 1105+00 1106+00 1107+00

0 50 100 Feet

LEGEND

- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, URBAN TYPE B
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- LIGHT RIP RAP
- EROSION BALE
- CULVERT PIPE CHECK
- Ⓐ INLET PROTECTION TYPE A
- Ⓒ INLET PROTECTION TYPE C
- Ⓓ INLET PROTECTION TYPE D

SHARED-USE PATH

2016

2015

2015 37.93+00

501+00 502+00 503+00 504+00 505+00 506+00 507

SHARED-USE PATH

HOULTON SCHOOL CIRCLE

MAIN STREET

MATCHLINE STA 507+00

0 50 100 Feet

PROJECT NO:8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EROSION CONTROL - OLD CTH E HILL, HOULTON SCHOOL CIRCLE	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022001_EC.DWG
LAYOUT NAME - 022001_EC_ - 0225004_EC

PLOT DATE : 1/12/2018 3:16 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2

MATCHLINE STA 507+00

SHARED-USE PATH

+00 508+00 509+00 510+00 511+00 512+00 513+00 514+00

HOULTON SCHOOL CIRCLE

N

0 50 100 Feet

ROW

NEW RIVER CROSSING BRIDGE

REMOVE HEAVY RIP RAP AND SALVAGE AS NECESSARY FOR PEDESTRIAN RAILING INSTALLATION. PLACE FILL FOR PEDESTRIAN RAILING INSTALLATION. PLACE GEOTEXTILE TYPE HR AND PLACE SALVAGED HEAVY RIP RAP.

STH 64 WB

STH 35

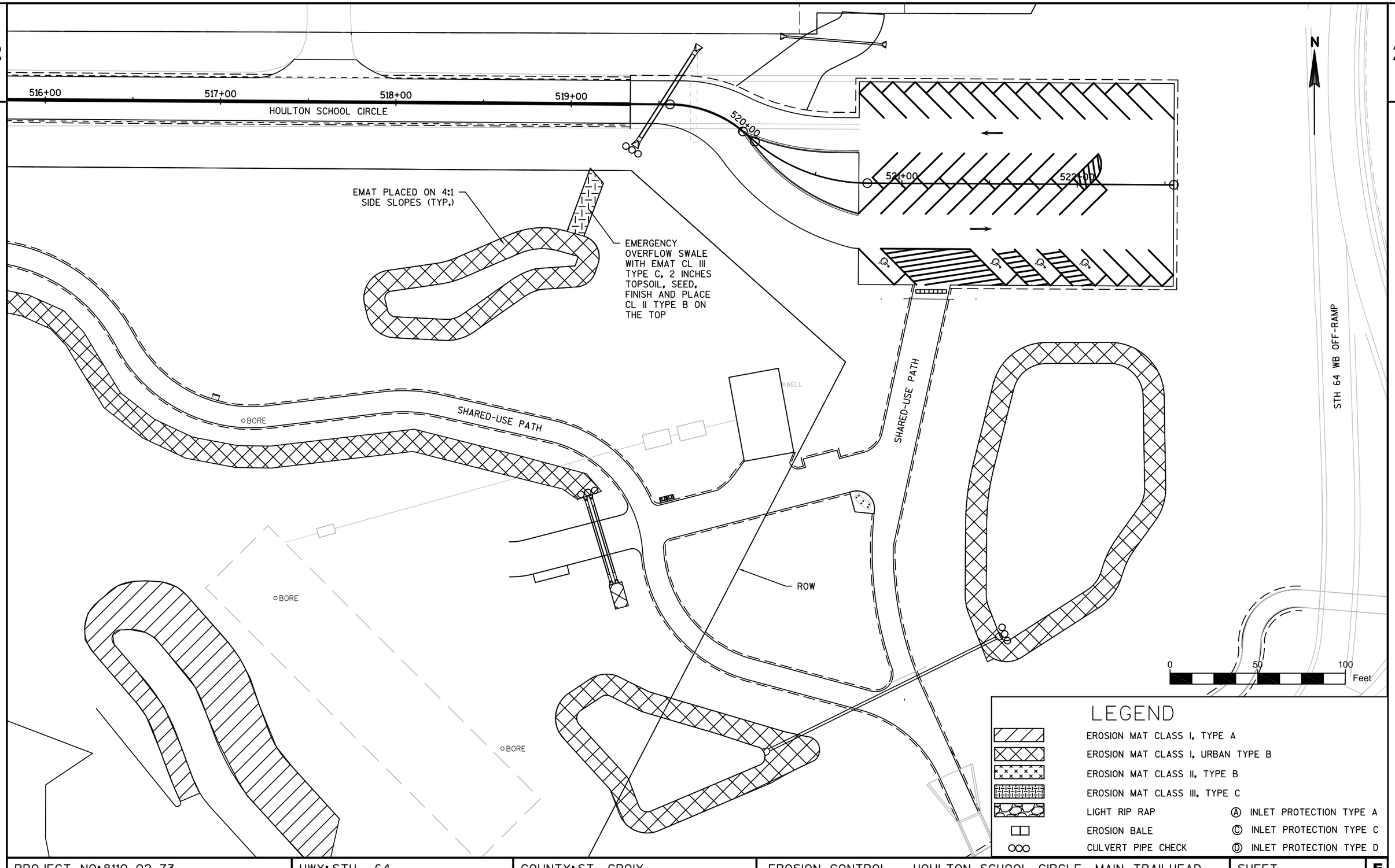
N

0 40 80 Feet

LEGEND

- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, URBAN TYPE B
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- LIGHT RIP RAP
- EROSION BALE
- CULVERT PIPE CHECK
- (A) INLET PROTECTION TYPE A
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EROSION CONTROL - HOULTON SCHOOL CIRCLE; BRIDGE ABUTMENT	SHEET	E



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EROSION CONTROL - HOULTON SCHOOL CIRCLE, MAIN TRAILHEAD	SHEET E

2

2

HAWK STREET

HAWK STREET SHARED USE PATH

MAINTAIN EXISTING SILT FENCE

BORE

BORE

BORE

BORE

ROW

EXISTING TEMPORARY WASTE SITE. UPON COMPLETION OF GRADING OPERATIONS, REMOVE EXCESS WASTE MATERIAL, GRADE TO FINAL CONTOURS, NATURAL TO ADJACENT LAND, PLACE SALVAGED TOPSOIL. SEED DISTURBED AREA WITH SEED MIX 70A, FERTILIZE AND MULCH. REMOVE EXISTING SILT FENCE.

STH 35

N

0 50 100 Feet

LEGEND

- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, URBAN TYPE B
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- LIGHT RIP RAP
- EROSION BALE
- CULVERT PIPE CHECK
- Ⓐ INLET PROTECTION TYPE A
- Ⓒ INLET PROTECTION TYPE C
- Ⓓ INLET PROTECTION TYPE D

8110-02-73 | STH 64 | COUNTY: ST. CROIX | EROSION CONTROL - MAIN TRAILHEAD | SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022001_EC.DWG
LAYOUT NAME - 022001_EC_ - 0225007_EC

PLOT DATE : 1/12/2018 3:22 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

WISDOT SEED MIX 20

WISDOT SEED MIX 70A

WISDOT SEED MIX 80

MEDIAN PLANTING BY OTHERS

RAINGARDEN PLANTING IN ADDITION TO WISDOT 70A SEED MIX BY OTHERS

RESTROOM BUILDING

SHARED USE PATH

HAWK STREET

MOWED PATH

PICNIC SHELTER

FUTURE MAINTENANCE BUILDING AND PARKING AREA (BY OTHERS)

LANDSCAPE BERM

BORE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EROSION CONTROL: MAIN TRAILHEAD SEEDING PLAN	SHEET

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022003_EC_MAINTRAILHEADSEEDINGPLAN.DWG

PLOT BY : DAVIST
PLOT DATE : 6/6/2016

PLOT NAME :

2

2

HILLTOP DRIVE

RAINGARDEN PLANTING IN ADDITION TO WISDOT 70A SEED MIX BY OTHERS

MAIN STREET

SHARED USE PATH

N

0 20 40 60 FEET

SCALE

SEED MIX KEY

WISDOT SEED MIX 70A

WISDOT SEED MIX 80

QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT.	COMMENTS
BO	BURR OAK	*Quercus macrocarpa*	6	AS SHOWN ON PAGE
RO	RED OAK	*Quercus rubra*	2	AS SHOWN ON PAGE
SM	SUGAR MAPLE	*Acer saccharum*	7	AS SHOWN ON PAGE
WO	WHITE OAK	*Quercus alba*	4	AS SHOWN ON PAGE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	HILLTOP PARKING LOT LANDSCAPE PLANTING PLAN	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022003_EC_HILLTOPTRAILHEADSEEDINGPLAN.DWG

PLOT BY : DAVIST PLOT NAME :

PLOT DATE : 11/15/2016

2

2

STH 35

HAWK STREET SOUTH

PARK AND RIDE

SNOW ROAD

BORE

BORE

BORE

BORE

AREA OF TEMPORARY STOCKPILES OF TOPSOIL. USE MATERIAL AS NEEDED AND SUITED FOR TOPSOILING OPERATIONS. UPON COMPLETION OF PROJECT GRADING OPERATIONS, RESTORE TO NATURAL CONTOURS, REMOVING EXCESS STOCKPILE AS NECESSARY. PLACE SALVAGED TOPSOIL, SEED MIX 20A, FERTILIZE AND MULCH. FINAL CONTOURS WILL BE APPROVED BY ENGINEER.

FUTURE SALT SHED STORAGE SITE

EXISTING CONTOUR

N

0 50 100 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EROSION CONTROL: TEMPORARY TOPSOIL STOCKPILE	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022002_EC.DWG PLOT DATE : 1/8/2018 1:07 PM PLOT BY : DAVIST PLOT NAME :

WISDOT/CADDS SHEET 44

2

ST. CROIX RIVER

STILLWATER LIFT BRIDGE

SHARED-USE PATH

1050+00 1051+00 1052+00 1053+00 1054+00 1055+00 1056+00 1057+00

MATCHLINE STA 1057+50

N

0 50 100 Feet

LEGEND

- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, URBAN TYPE B
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- LIGHT RIP RAP
- EROSION BALE
- CULVERT PIPE CHECK
- Ⓐ INLET PROTECTION TYPE A
- Ⓒ INLET PROTECTION TYPE C
- Ⓓ INLET PROTECTION TYPE D

UPON COMPLETION OF REMOVING ASPHALTIC SURFACE, MILLING, PLACE POLYETHYLENE SHEETING AS DIRECTED BY THE ENGINEER IN THE FIELD FOR EROSION CONTROL

CLASS II TYPE B EROSION MAT

PLAZA #1

MATCHLINE STA 1057+50

MATCHLINE STA 1064+50

1058+00 1059+00 1060+00 1061+00 1062+00 1063+00 1064+00

PEDESTRIAN PATH

BICYCLE PATH

KOLLMER PARK DRIVEWAY

INSTALL 6' CONCRETE REVETMENT BLOCK. SEE CONSTRUCTION DETAIL

PLACE CULVERT PIPE CHECK AT EXISTING CULVERT ENDWALL

PLACE CULVERT PIPE CHECK AT EXISTING CULVERT ENDWALL

0 50 100 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EROSION CONTROL - BIKE/PED SHARED USE PATH	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022001_EC.DWG
LAYOUT NAME - 022001_EC_ - 0225008_EC

PLOT DATE : 1/13/2018 12:13 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

GROUTED RIP RAP RESTORATION

GROUTED RIP RAP RESTORATION

PLAZA #2

GROUTED RIP RAP RESTORATION

53'-18" SSPRC CL III

GROUTED RIP RAP RESTORATION

55'-18" SSPRC CL III

MATCHLINE STA 1064+50

1065+00

1066+00

1067+00

1068+00

BICYCLE PATH

1069+00

1070+00

1071+00

PEDESTRIAN PATH

MATCHLINE STA 1071+50

EXISTING WELCOME TO WISCONSIN SIGN TO REMAIN IN PLACE

UPON COMPLETION OF REMOVING ASPHALTIC SURFACE, MILLING, PLACE POLYETHYLENE SHEETING AS DIRECTED BY THE ENGINEER IN THE FIELD FOR EROSION CONTROL

CLASS II TYPE B EROSION MAT

0 50 100 Feet

LEGEND

- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, URBAN TYPE B
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- LIGHT RIP RAP
- EROSION BALE
- CULVERT PIPE CHECK
- Ⓐ INLET PROTECTION TYPE A
- Ⓒ INLET PROTECTION TYPE C
- Ⓓ INLET PROTECTION TYPE D

GROUTED RIP RAP RESTORATION

53'-18" SSPRC CL III

GROUTED RIP RAP RESTORATION

54'-18" SSPRC CL III

GROUTED RIP RAP RESTORATION

59'-24" SSPRC CL III

1201+00

HILLTOP DRIVE

MATCHLINE STA 1071+50

PEDESTRIAN PATH

PEDESTRIAN PATH

1072+00

1073+00

1074+00

1075+00

BICYCLE PATH

1076+00

1077+00

1078+00

BICYCLE PATH

1079

SEE HILLTOP DR PARKING SHEET

UPON COMPLETION OF REMOVING ASPHALTIC SURFACE, MILLING, PLACE POLYETHYLENE SHEETING AS DIRECTED BY THE ENGINEER IN THE FIELD FOR EROSION CONTROL

CLASS II TYPE B EROSION MAT

0 50 100 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EROSION CONTROL - BIKE/PED SHARED USE PATH	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022001_EC.DWG
LAYOUT NAME - 022001_EC_ - 0225009_EC
PLOT DATE : 1/13/2018 12:46 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

HILLTOP ROAD

EMERGENCY OVERFLOW SWALE WITH EMAT CL III TYPE C, 2 INCHES TOPSOIL, SEED, FINISH AND PLACE CL II TYPE B ON THE TOP

GROUTED RIP RAP RESTORATION

1201+00

1202+00

1203+00

1204+00

1205+00

1206+00

1207+00

1208+00

HILLTOP DRIVE

HILLTOP DRIVE

HILLTOP DRIVE

Pk 2023+34.97

2029

2028

2027

2026

2025

2024

PEDESTRIAN PATH

BICYCLE PATH

1078+00

1079+00

1080+00

1081+00

1082+00

HILLTOP PARKING LOT

MAIN ST

2025+52.41

SHARED-USE PATH

Pk 2024+53.19

CLASS II TYPE B EROSION MAT

UPON COMPLETION OF REMOVING ASPHALTIC SURFACE, MILLING, PLACE POLYETHYLENE SHEETING AS DIRECTED BY THE ENGINEER IN THE FIELD FOR EROSION CONTROL

LEGEND

- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS I, URBAN TYPE B
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- LIGHT RIP RAP
- EROSION BALE
- CULVERT PIPE CHECK
- Ⓐ INLET PROTECTION TYPE A
- Ⓒ INLET PROTECTION TYPE C
- Ⓓ INLET PROTECTION TYPE D

N

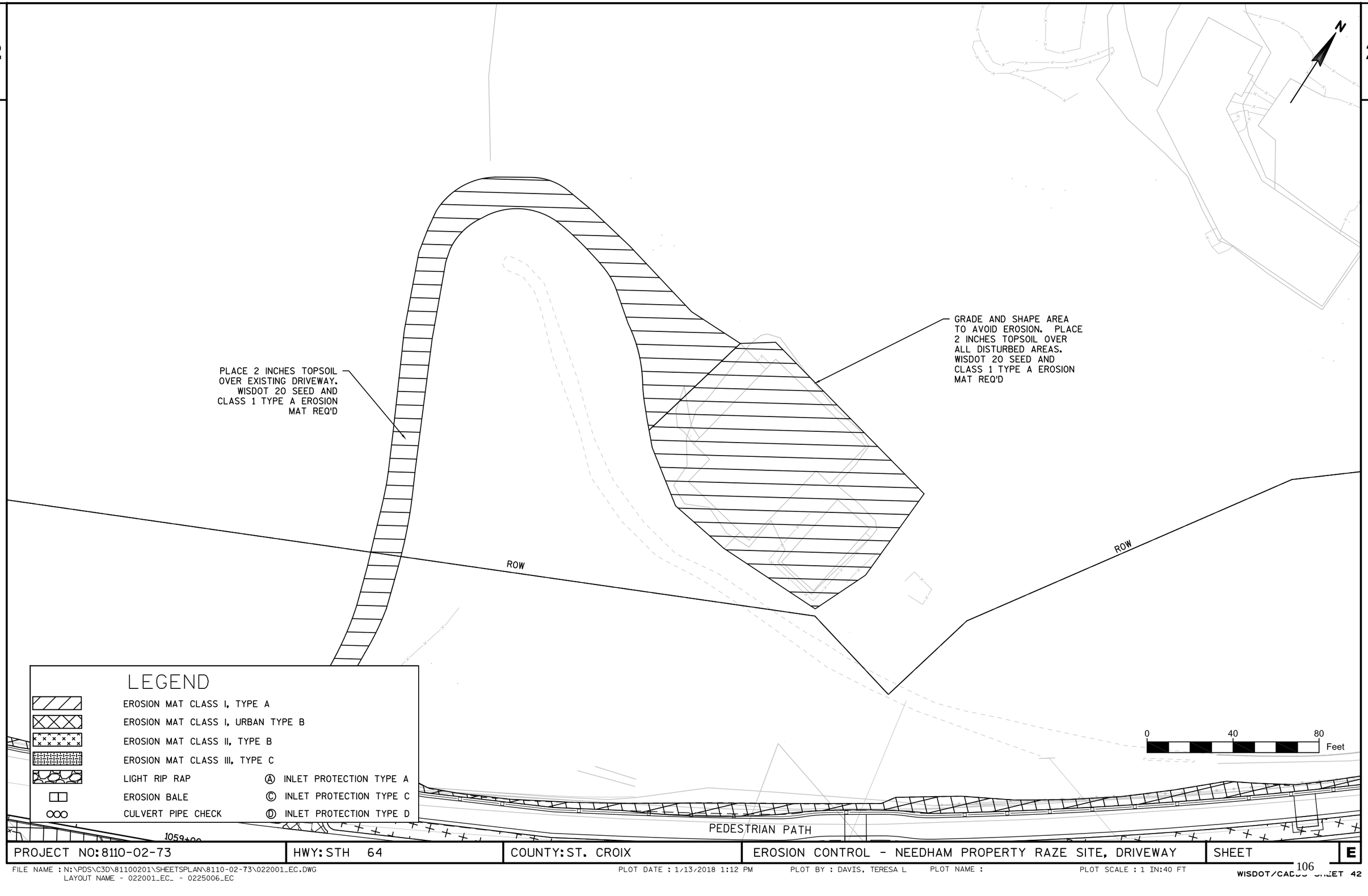
0 50 100 Feet

PROJECT NO:8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EROSION CONTROL - BIKE/PED SHARED USE PATH; HILLTOP TRLHD	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022001_EC.DWG
LAYOUT NAME - 022001_EC_ - 0225006_EC

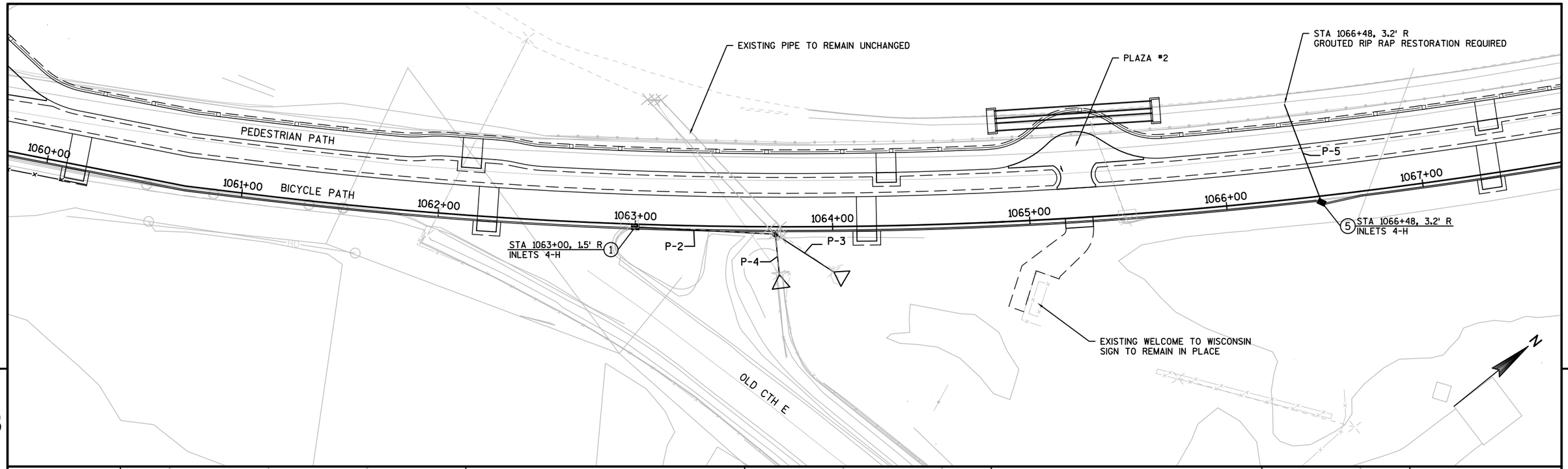
PLOT DATE : 1/13/2018 12:18 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

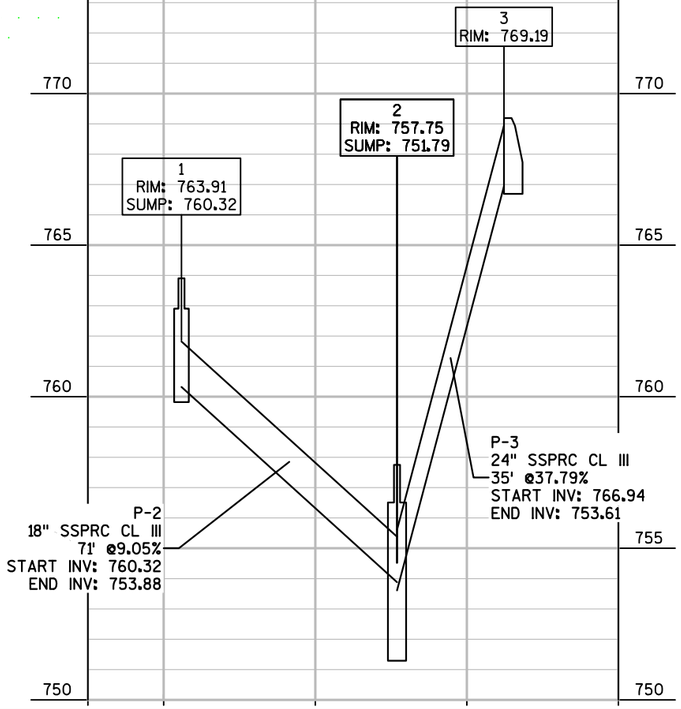
2

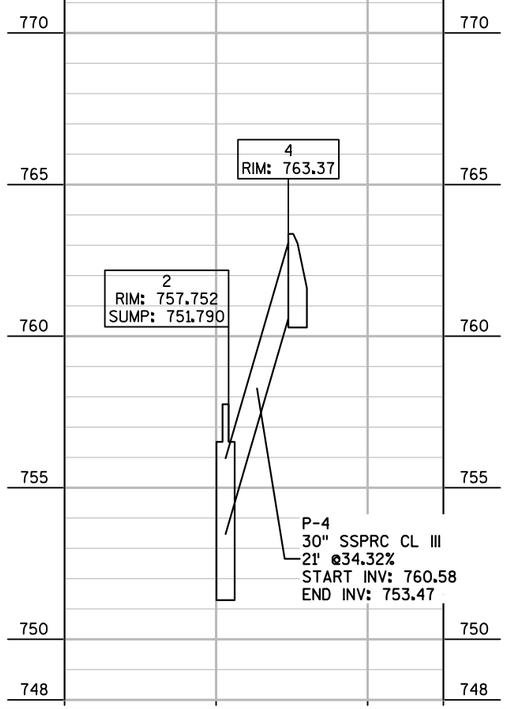


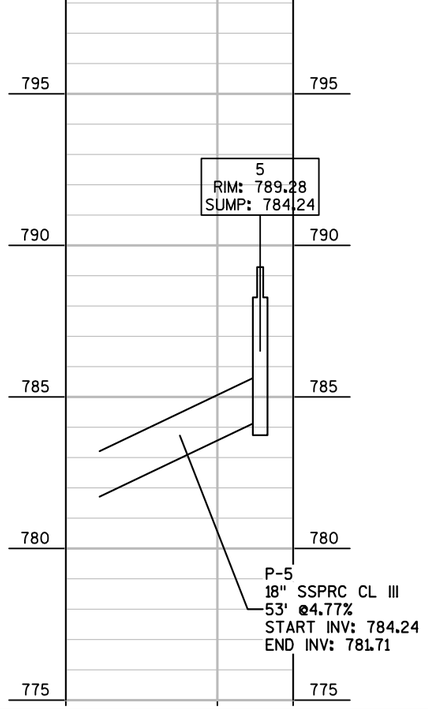
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	EROSION CONTROL - NEEDHAM PROPERTY RAZE SITE, DRIVEWAY	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022001_EC.DWG
LAYOUT NAME - 022001_EC_ - 0225006_EC
PLOT DATE : 1/13/2018 1:12 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42





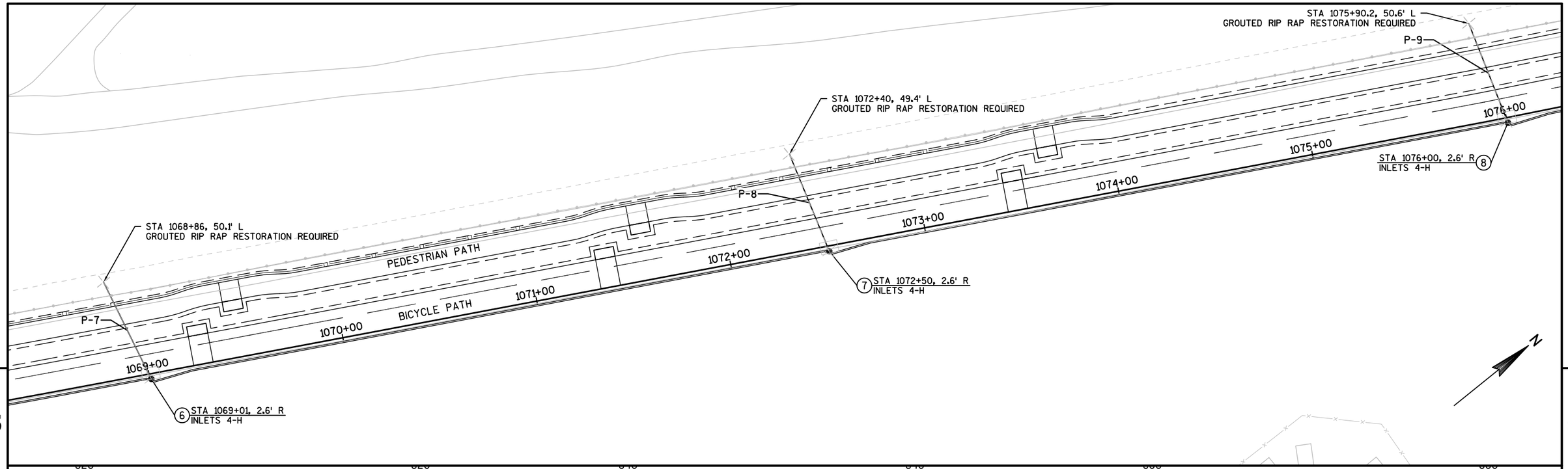


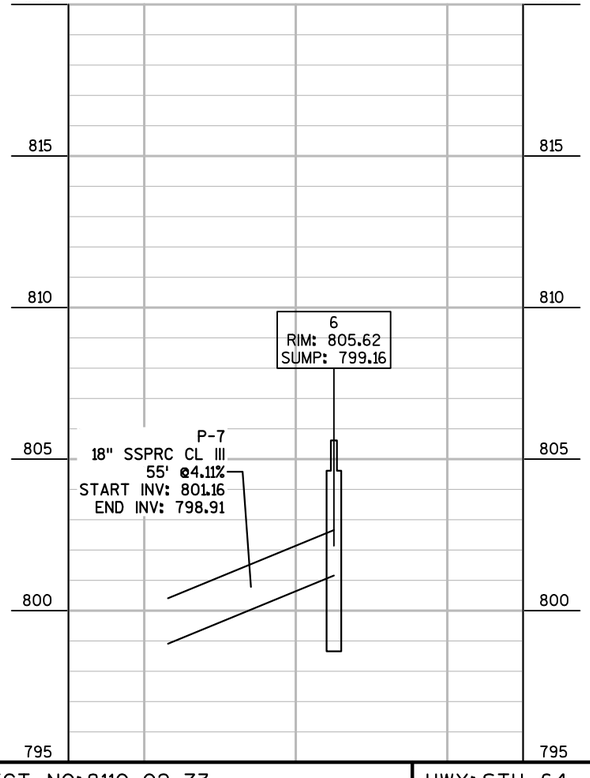


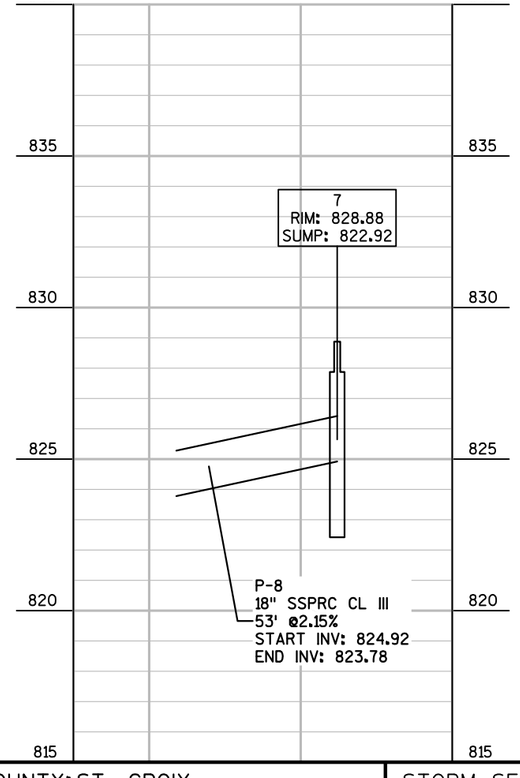
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	STORM SEWER	SHEET	E

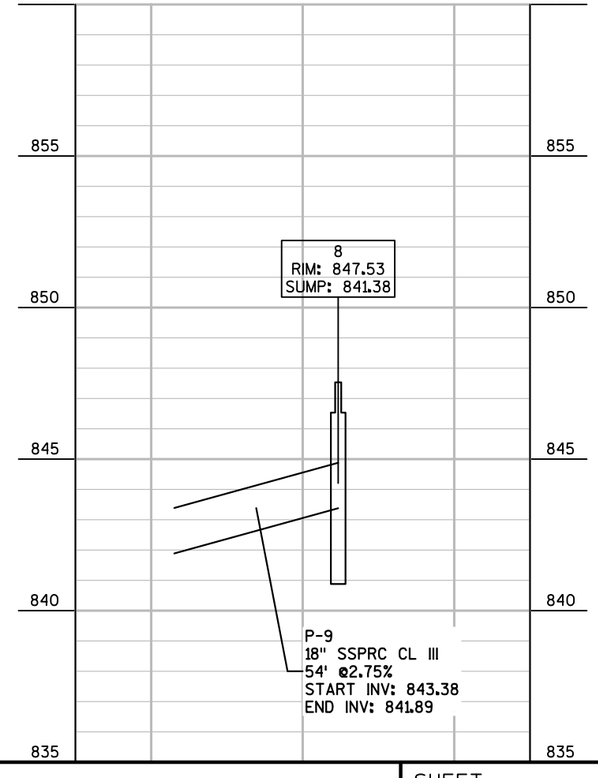
FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022501_SS.DWG
LAYOUT NAME - 022501_SS - 022501

PLOT DATE : 1/16/2018 10:45 AM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT









PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	STORM SEWER	SHEET	E

STA 1077+96.2, 51.9' L
GROUTED RIP RAP RESTORATION REQUIRED

P-10

PEDESTRIAN PATH

BICYCLE PATH

1077+00

1078+00

1079+00

1080+00

1081+00

P-11

STA 1078+22, 1.5' R
INLETS 4-H
9

STA 1078+27.4, 11.9' R

STA 1080+62, 21.4' L
APRON ENDWALLS FOR CULVERT PIPE STEEL 15-INCH
14

CPCPE 15-INCH REQUIRED
SKEW 5° RHF

STA 1080+65, 15.5' R
APRON ENDWALLS FOR CULVERT PIPE STEEL 15-INCH
15

CPCPE 30-INCH REQUIRED
SKEW 34° LHF

STA 1081+33, 19.7' R
APRON ENDWALLS FOR CULVERT PIPE STEEL 30-INCH
12

STA 1081+44, 18.3' R
APRON ENDWALLS FOR CULVERT PIPE STEEL 30-INCH
13

CPCPE 30-INCH REQUIRED
SKEW 36° LHF

HILLTOP PARKING LOT

STA 1082+44, 178.0' L
APRON ENDWALLS FOR CPRC 18-INCH
18

2028+00

2027+00

MAIN STREET

2026+00

10 STA 1081+73, 37.0' L
APRON ENDWALLS FOR CULVERT PIPE STEEL 30-INCH

P-17

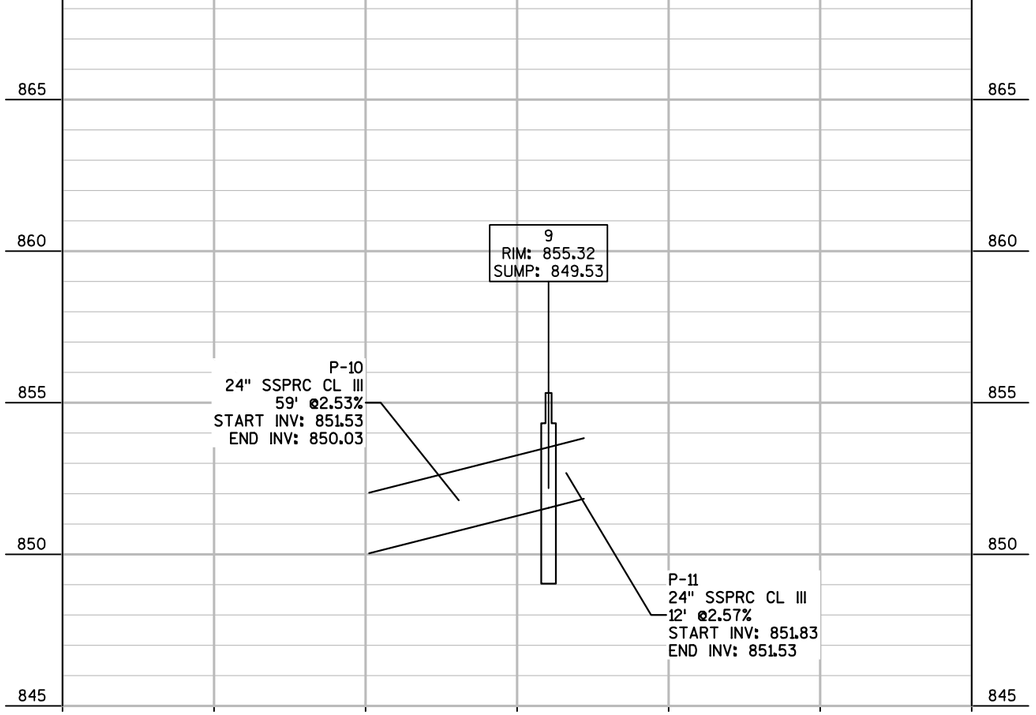
17 STA ???, ???' ???
INLETS 4-H

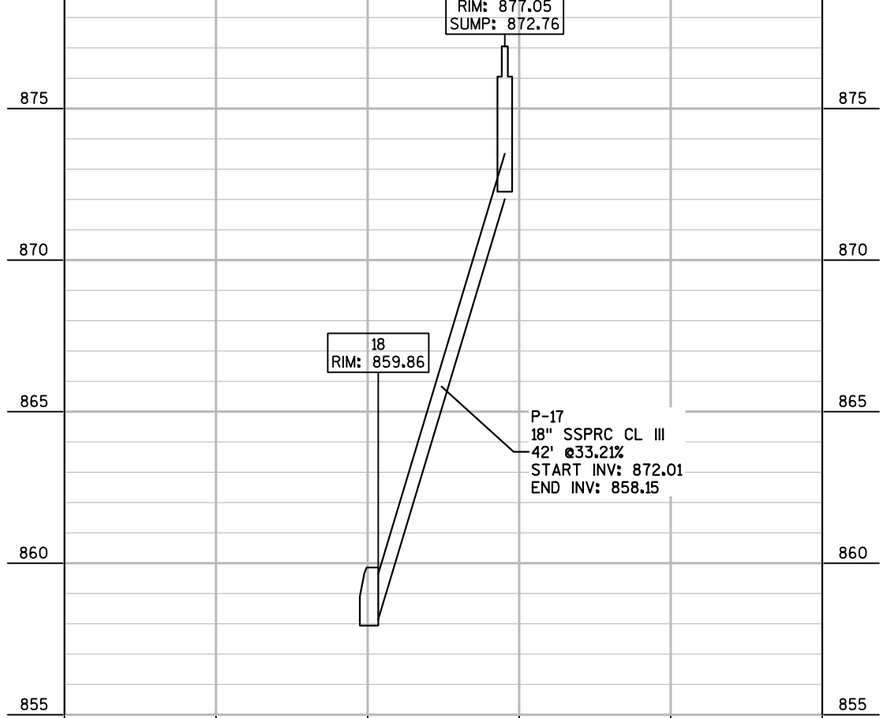
11 STA 1081+86, 37.0' L
APRON ENDWALLS FOR CULVERT PIPE STEEL 30-INCH

N

5

5



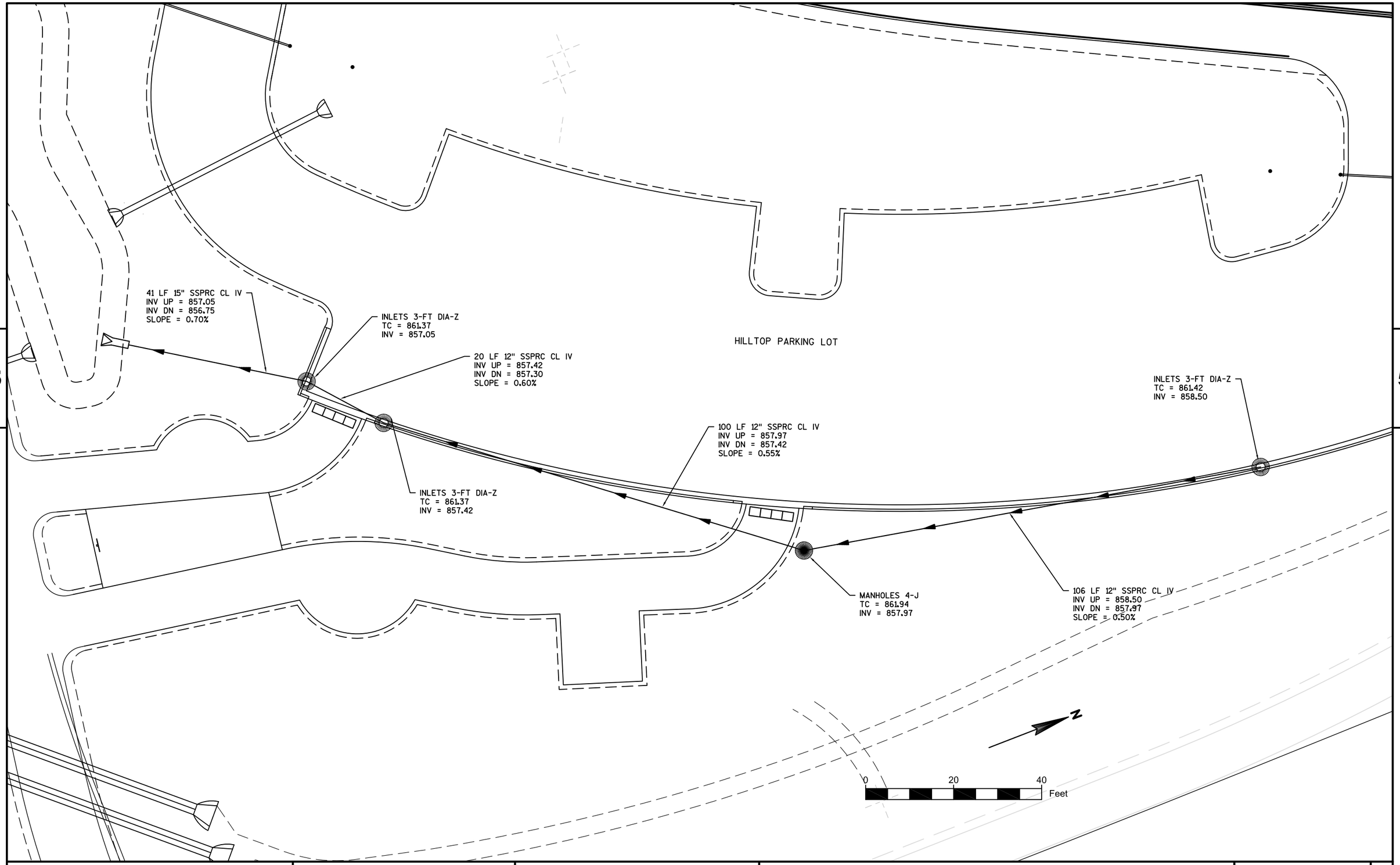


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	STORM SEWER	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022501_SS.DWG
LAYOUT NAME - 022501_SS - 022503

PLOT DATE : 12/12/2017 4:24 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



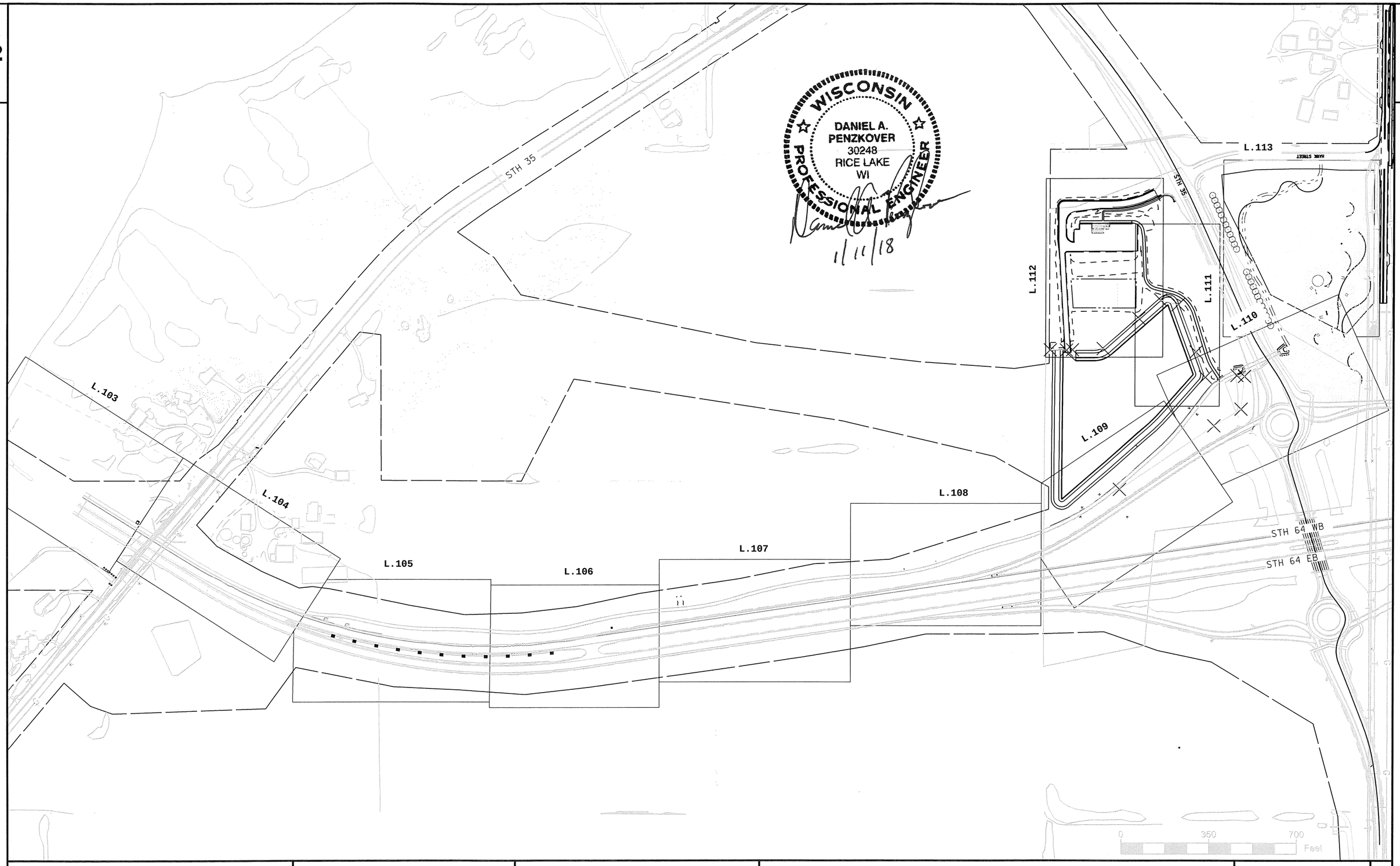
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	STORM SEWER: HILLTOP PARKING AREA	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\022502_SS_HILLTOP PARKING.DWG
LAYOUT NAME - MAIN ST 4

PLOT DATE : 12/14/2017 1:57 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44

2



WISCONSIN
DANIEL A. PENZKOVER
30248
RICE LAKE
WI
PROFESSIONAL ENGINEER
1/11/18

2

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLANTING KEY PLAN	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\ST.CROIX CROSSING_PLANTING PLAN.DWG
PLOT BY : SEH INC.
PLOT DATE : 09/18/2017
PLOT NAME : PLANTING PLAN

2

2

MAIN TRAILHEAD

MARK STREET

L.111

L.110

L.114

L.115

STH 64 WB

STH 64 EB

N

SCALE
0 350 700
FEET

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLANTING KEY PLAN	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\ST.CROIX CROSSING_PLANTING PLAN.DWG

PLOT BY : SEH INC.
PLOT DATE : 09/18/2017

PLOT NAME : PLANTING PLAN

2

2

MAIN STREET

HILLTOP TRAILHEAD

HILLTOP TRAILHEAD

HOULTON SCHOOL CIRCLE

MAIN STREET

STH 35

MAIN TRAILHEAD

MAIN TRAILHEAD

L.112

L.111

L.110

L.114

STH 64 WB

STH 64 EB

SCALE
0 350 700
FEET

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLANTING KEY PLAN	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\ST.CROIX CROSSING_PLANTING PLAN.DWG

PLOT BY : SEH INC.
PLOT DATE : 09/18/2017

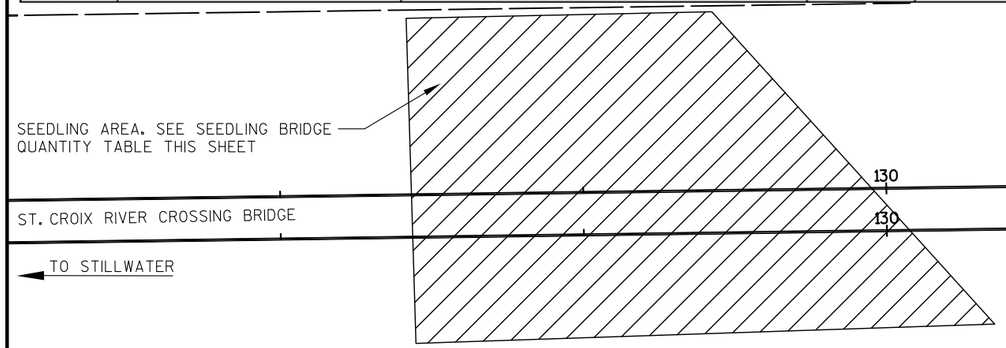
PLOT NAME : PLANTING PLAN

QUANTITY THIS SHEET: TRAIL

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT.	COMMENTS
AB	AMERICAN BASSWOOD	*Tilia americana*	3	AS SHOWN ON PAGE
BC	WILD BLACK CHERRY	*Prunus serotina*	3	AS SHOWN ON PAGE
BO	BUR OAK	*Quercus macrocarpa*	1	AS SHOWN ON PAGE
DH	DWARFBUSH HONEYSUCKLE	*Diervilla lonicera*	9	3' o.c.
FS	FRAGRANT SUMAC	*Rhus aromatica*	9	3' o.c.
RO	RED OAK	*Quercus rubra*	2	AS SHOWN ON PAGE
ROD	RED OSIER DOGWOOD	*Cornus sericea*	5	6' o.c.

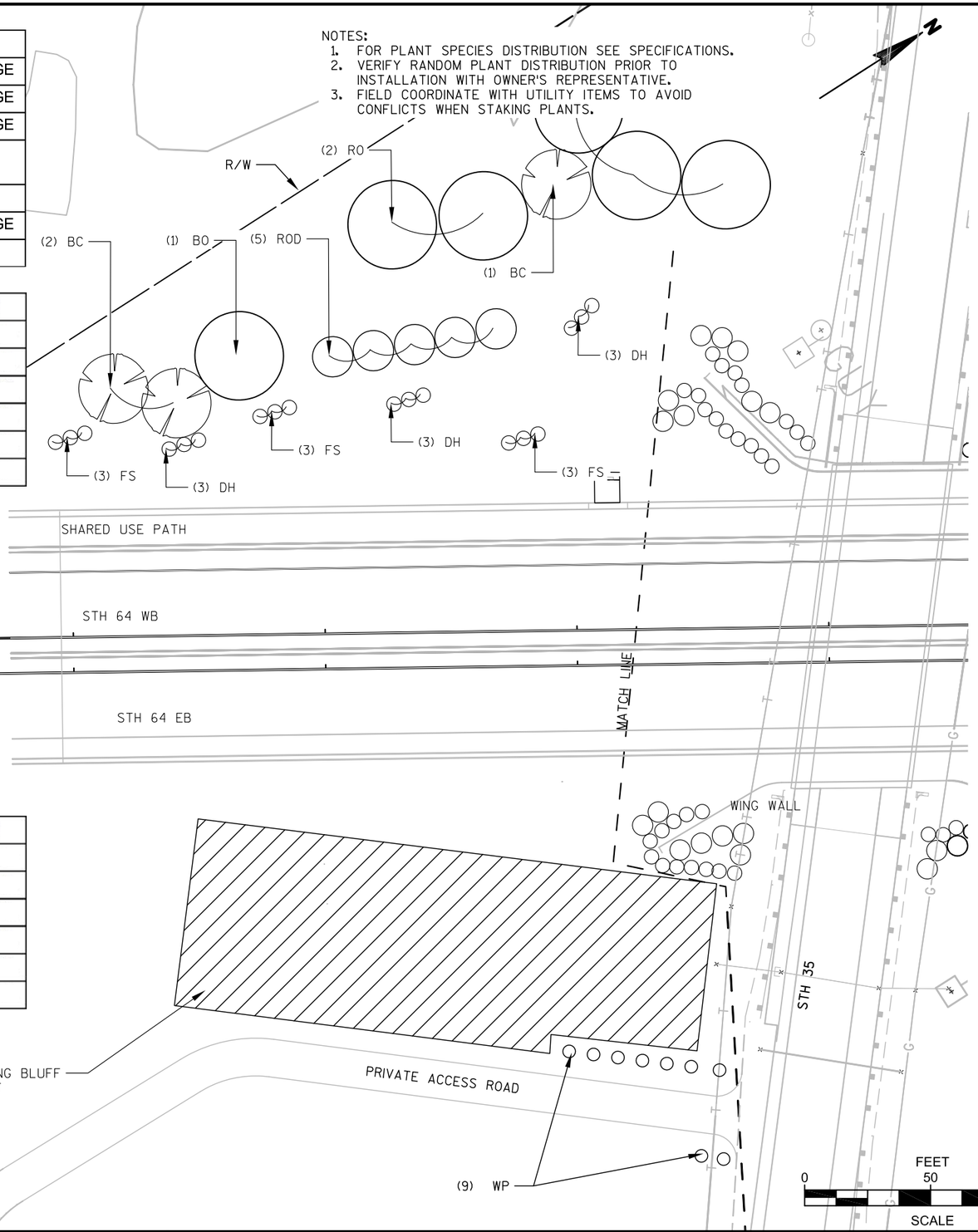
QUANTITY THIS SHEET: SEEDLING BLUFF

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT.	COMMENTS
BO	BUR OAK	*Quercus macrocarpa*	45	
ECW	EASTERN COTTONWOOD	*Populous deltoides ssp. Monilifera*	10	
QA	QUAKING ASPEN	*Populous tremuloides*	20	
RO	NORTHERN RED OAK	*Quercus rubra*	32	
WP	WHITE PINE	*Pinus strobus*	72	
WS	WHITE SPRUCE	*Picea glauca*	28	



QUANTITY THIS SHEET: SEEDLING BRIDGE

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT.	COMMENTS
BO	BUR OAK	*Quercus macrocarpa*	33	
ECW	EASTERN COTTONWOOD	*Populous deltoides ssp. Monilifera*	8	
QA	QUAKING ASPEN	*Populous tremuloides*	16	
RO	NORTHERN RED OAK	*Quercus rubra*	23	
WP	WHITE PINE	*Pinus strobus*	52	
WS	WHITE SPRUCE	*Picea glauca*	20	

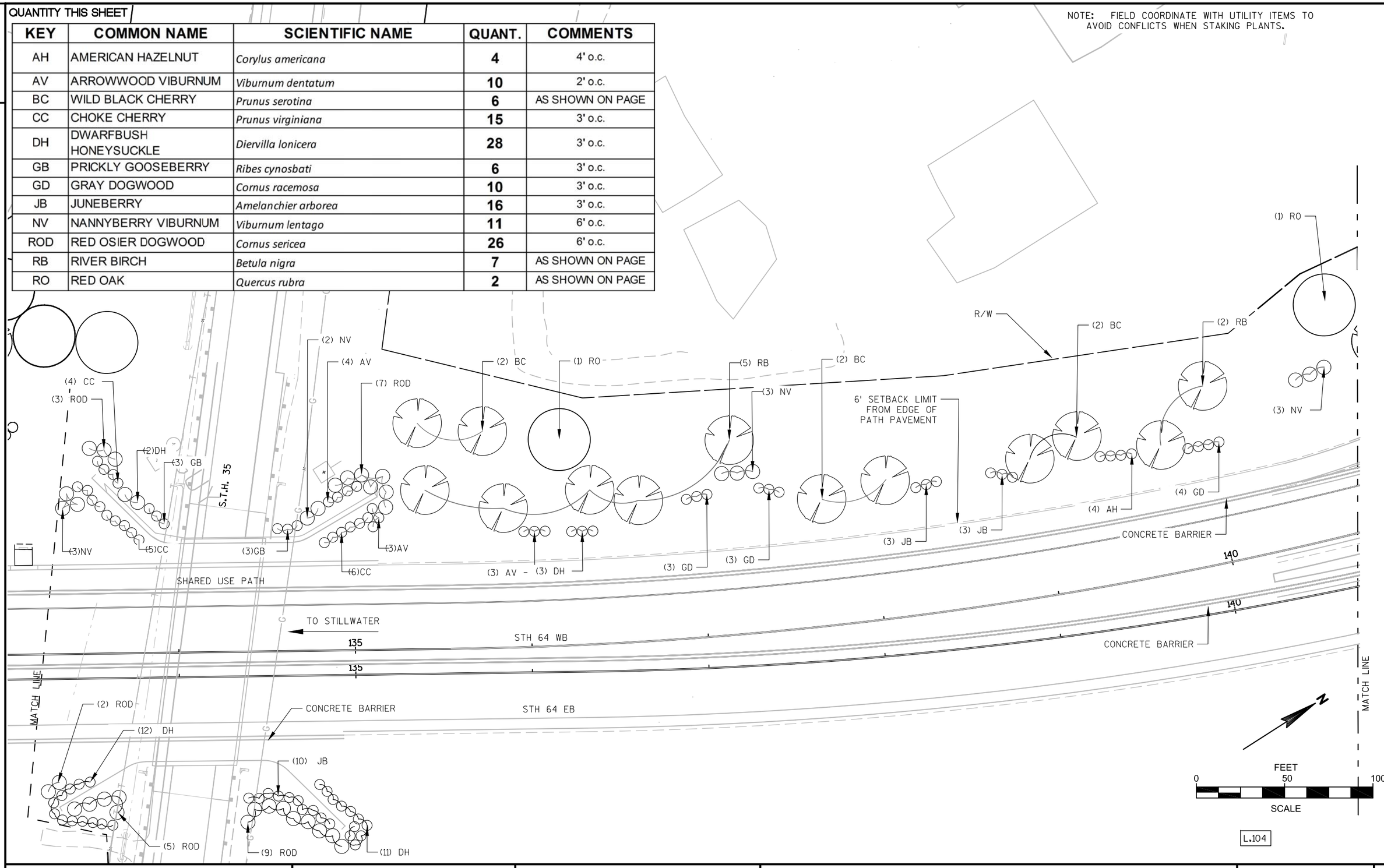


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLANTING PLAN L.103	SHEET E

QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT.	COMMENTS
AH	AMERICAN HAZELNUT	*Corylus americana*	4	4' o.c.
AV	ARROWWOOD VIBURNUM	*Viburnum dentatum*	10	2' o.c.
BC	WILD BLACK CHERRY	*Prunus serotina*	6	AS SHOWN ON PAGE
CC	CHOKE CHERRY	*Prunus virginiana*	15	3' o.c.
DH	DWARFBUSH HONEYSUCKLE	*Diervilla lonicera*	28	3' o.c.
GB	PRICKLY GOOSEBERRY	*Ribes cynosbati*	6	3' o.c.
GD	GRAY DOGWOOD	*Cornus racemosa*	10	3' o.c.
JB	JUNEBERRY	*Amelanchier arborea*	16	3' o.c.
NV	NANNYBERRY VIBURNUM	*Viburnum lentago*	11	6' o.c.
ROD	RED OSIER DOGWOOD	*Cornus sericea*	26	6' o.c.
RB	RIVER BIRCH	*Betula nigra*	7	AS SHOWN ON PAGE
RO	RED OAK	*Quercus rubra*	2	AS SHOWN ON PAGE

NOTE: FIELD COORDINATE WITH UTILITY ITEMS TO AVOID CONFLICTS WHEN STAKING PLANTS.



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLANTING PLAN L.104	SHEET	E

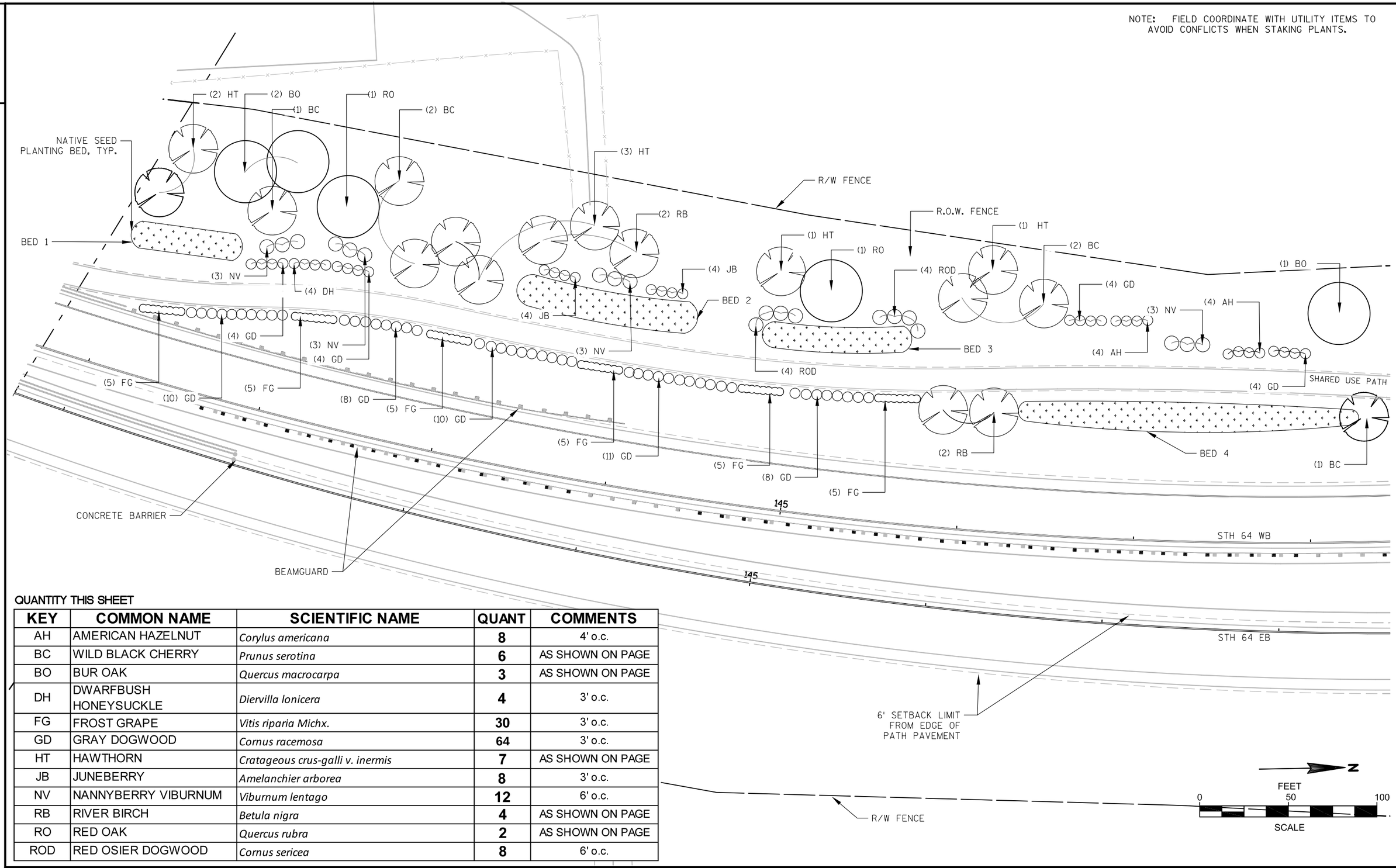
FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\ST.CROIX CROSSING_PLANTING PLAN.DWG

PLOT BY : SEH INC.
PLOT DATE : 09/18/2017

PLOT NAME : PLANTING PLAN

WISDOT/CADDS SHEET 44

NOTE: FIELD COORDINATE WITH UTILITY ITEMS TO AVOID CONFLICTS WHEN STAKING PLANTS.

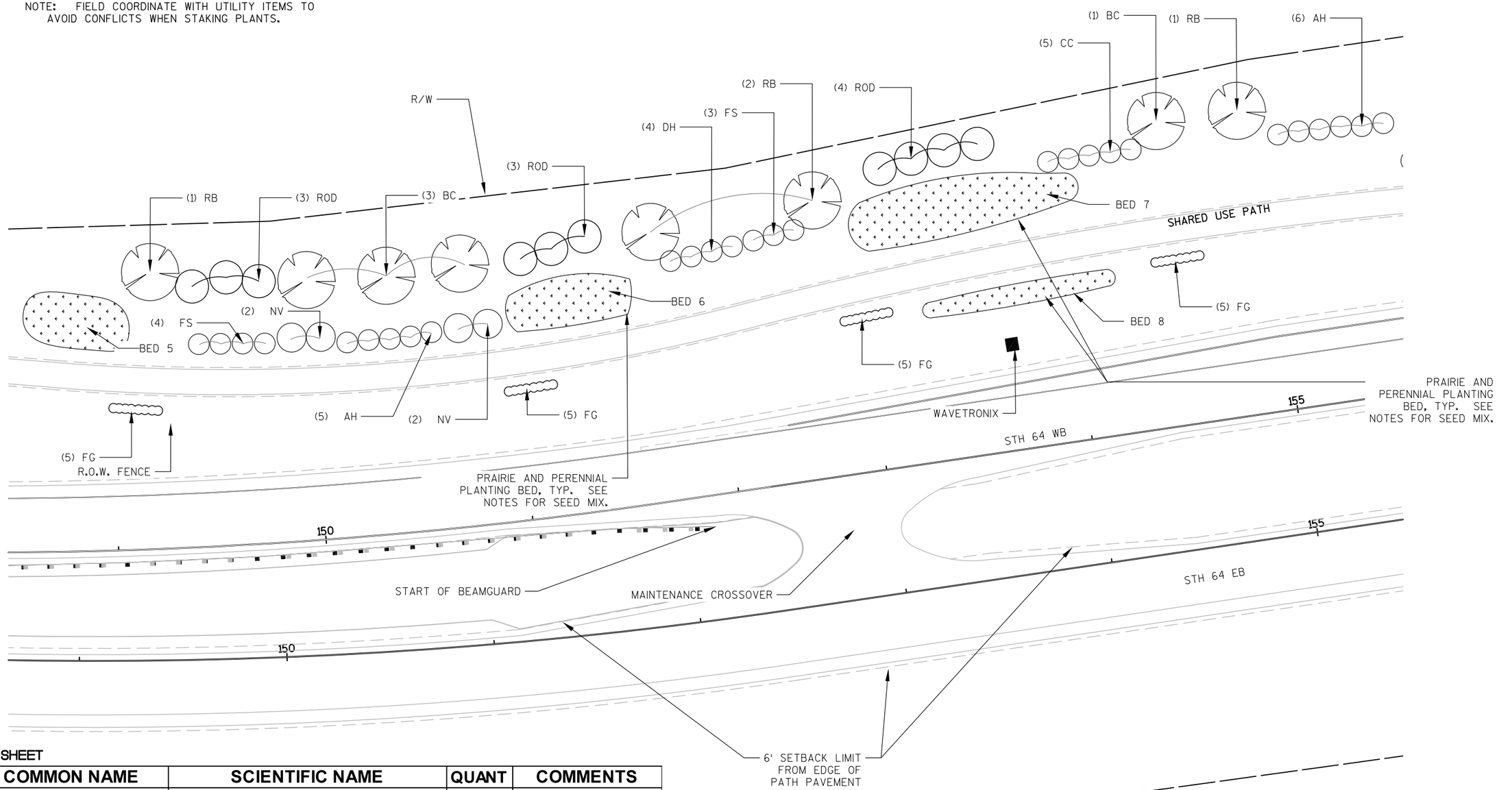


QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT	COMMENTS
AH	AMERICAN HAZELNUT	*Corylus americana*	**8**	4' o.c.
BC	WILD BLACK CHERRY	*Prunus serotina*	**6**	AS SHOWN ON PAGE
BO	BUR OAK	*Quercus macrocarpa*	**3**	AS SHOWN ON PAGE
DH	DWARFBUSH HONEYSUCKLE	*Diervilla lonicera*	**4**	3' o.c.
FG	FROST GRAPE	*Vitis riparia Michx.*	**30**	3' o.c.
GD	GRAY DOGWOOD	*Cornus racemosa*	**64**	3' o.c.
HT	HAWTHORN	*Cratageous crus-galli v. inermis*	**7**	AS SHOWN ON PAGE
JB	JUNEBERRY	*Amelanchier arborea*	**8**	3' o.c.
NV	NANNYBERRY VIBURNUM	*Viburnum lentago*	**12**	6' o.c.
RB	RIVER BIRCH	*Betula nigra*	**4**	AS SHOWN ON PAGE
RO	RED OAK	*Quercus rubra*	**2**	AS SHOWN ON PAGE
ROD	RED OSIER DOGWOOD	*Cornus sericea*	**8**	6' o.c.

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLANTING PLAN L.105	SHEET E

NOTE: FIELD COORDINATE WITH UTILITY ITEMS TO AVOID CONFLICTS WHEN STAKING PLANTS.

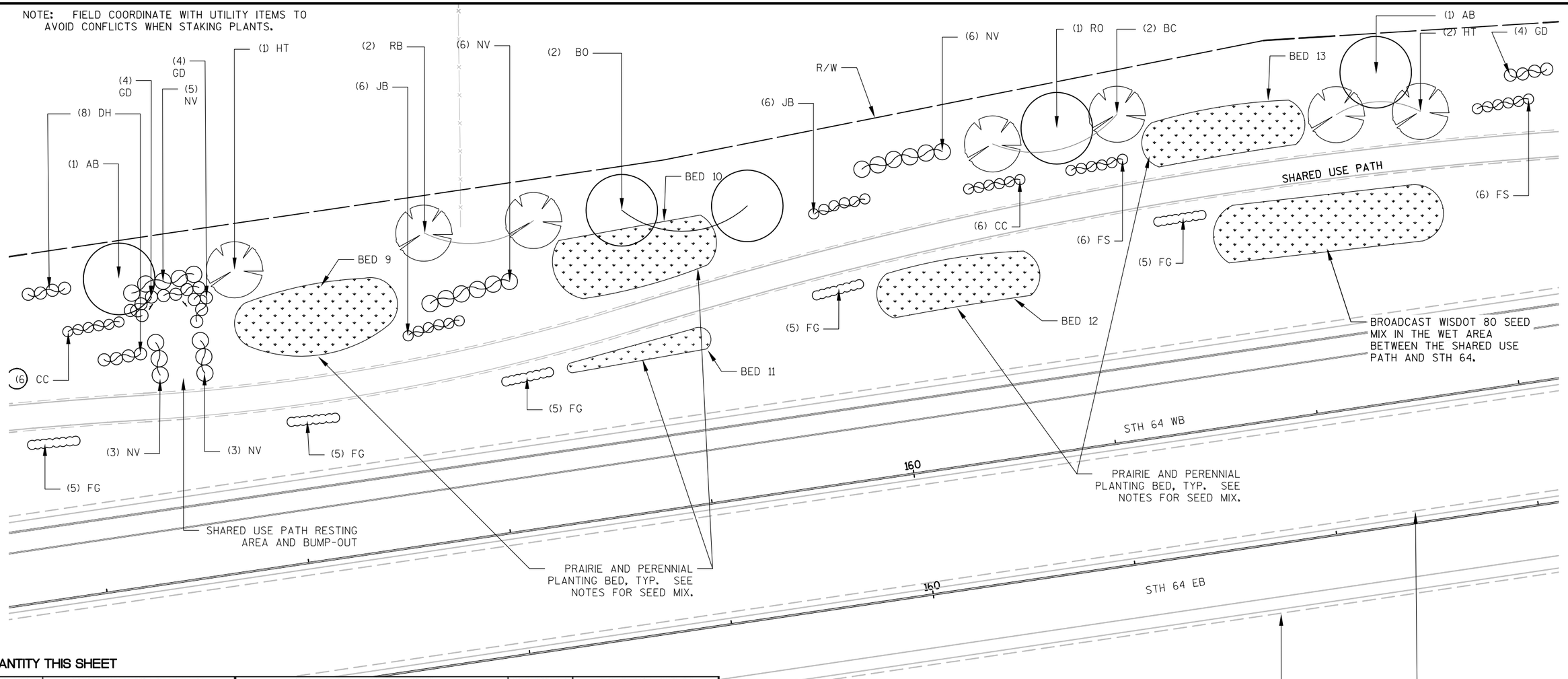


QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT	COMMENTS
AH	AMERICAN HAZELNUT	*Corylus americana*	**11**	4' o.c.
BC	WILD BLACK CHERRY	*Prunus serotina*	**4**	AS SHOWN ON PAGE
CC	CHOKECHERRY	*Prunus virginiana*	**5**	3' o.c.
DH	DWARFBUSH HONEYSUCKLE	*Diervilla lonicera*	**4**	3' o.c.
FG	FROST GRAPE	*Vitis riparia Michx.*	**20**	3' o.c.
FS	FRAGRANT SUMAC	*Rhus aromatica*	**7**	3' o.c.
NV	NANNYBERRY VIBURNUM	*Viburnum lentago*	**4**	6' o.c.
ROD	RED OSIER DOGWOOD	*Cornus sericea*	**10**	AS SHOWN ON PAGE
RB	RIVER BIRCH	*Betula nigra*	**4**	AS SHOWN ON PAGE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLANTING PLAN L.106	SHEET E

NOTE: FIELD COORDINATE WITH UTILITY ITEMS TO AVOID CONFLICTS WHEN STAKING PLANTS.



QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT	COMMENTS
AB	AMERICAN BASSWOOD	*Tilia americana*	2	AS SHOWN ON PAGE
BC	WILD BLACK CHERRY	*Prunus serotina*	2	AS SHOWN ON PAGE
BO	BURR OAK	*Quercus macrocarpa*	2	AS SHOWN ON PAGE
CC	CHOKECHERRY	*Aronia maloncarpa*	12	3' o.c.
DH	DWARFBUSH HONEYSUCKLE	*Diervilla lonicera*	8	3' o.c.
FG	FROST GRAPE	*Vitis riparia Michx.*	25	3' o.c.
FS	FRAGRANT SUMAC	*Rhus aromatica*	12	3' o.c.
GD	GREY DOGWOOD	*Cornus racemosa*	12	3' o.c.
HT	HAWTHORN	*Cratageous crus-galli v. inermis*	3	AS SHOWN ON PAGE
JB	JUNEBERRY	*Amelanchier arborea*	12	3' o.c.
NV	NANNYBERRY VIBURNUM	*Viburnum lentago*	23	6' o.c.
RB	RIVER BIRCH	*Betula nigra*	2	AS SHOWN ON PAGE
RO	RED OAK	*Quercus rubra*	1	AS SHOWN ON PAGE

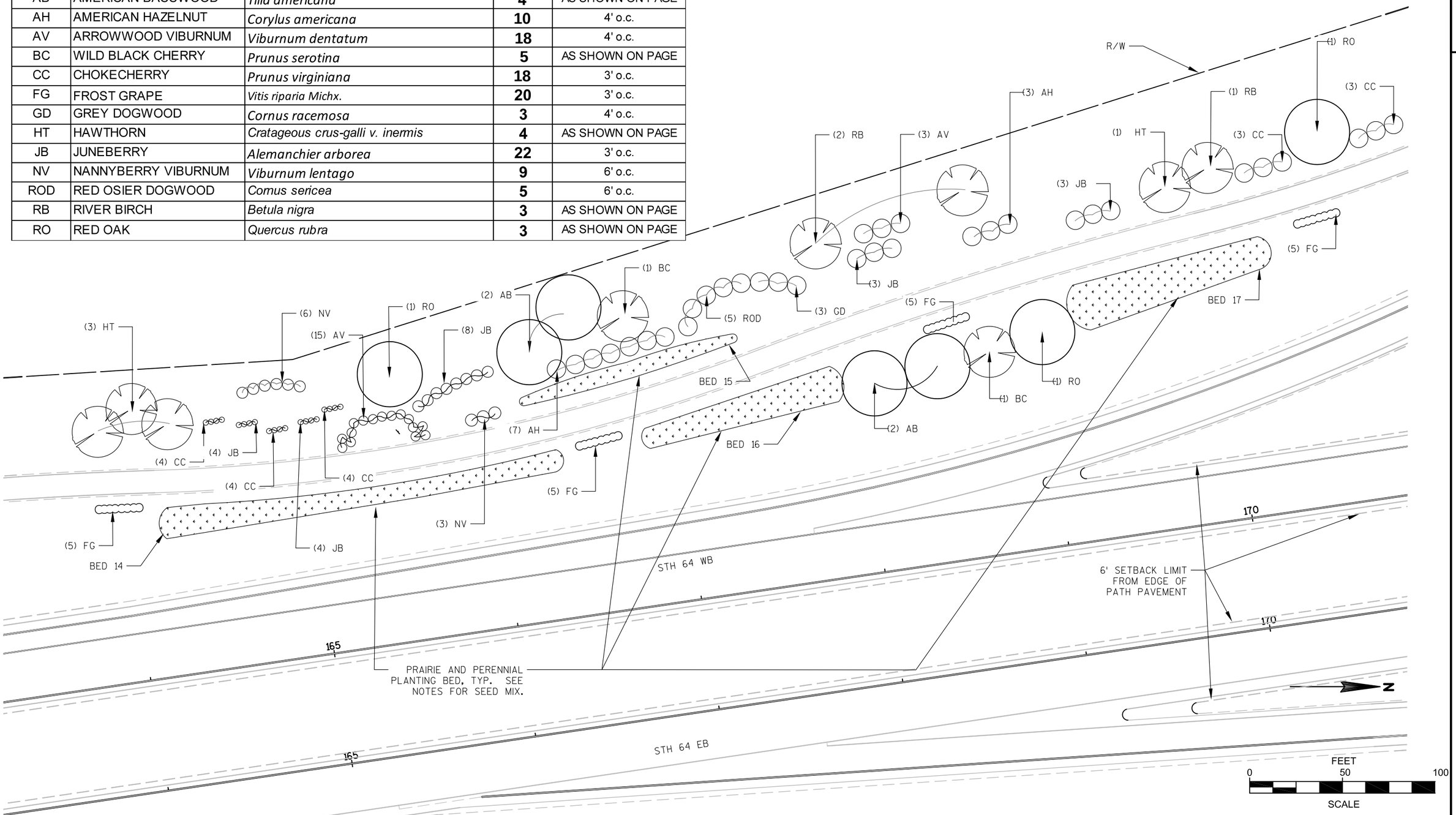
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLANTING PLAN L.107	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\ST.CROIX CROSSING_PLANTING PLAN.DWG
PLOT BY : SEH INC.
PLOT DATE : 09/18/2017
PLOT NAME : PLANTING PLAN

QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT	COMMENTS
AB	AMERICAN BASSWOOD	*Tilia americana*	**4**	AS SHOWN ON PAGE
AH	AMERICAN HAZELNUT	*Corylus americana*	**10**	4' o.c.
AV	ARROWWOOD VIBURNUM	*Viburnum dentatum*	**18**	4' o.c.
BC	WILD BLACK CHERRY	*Prunus serotina*	**5**	AS SHOWN ON PAGE
CC	CHOKECHERRY	*Prunus virginiana*	**18**	3' o.c.
FG	FROST GRAPE	*Vitis riparia Michx.*	**20**	3' o.c.
GD	GREY DOGWOOD	*Cornus racemosa*	**3**	4' o.c.
HT	HAWTHORN	*Cratageous crus-galli v. inermis*	**4**	AS SHOWN ON PAGE
JB	JUNEBERRY	*Alemanchier arborea*	**22**	3' o.c.
NV	NANNYBERRY VIBURNUM	*Viburnum lentago*	**9**	6' o.c.
ROD	RED OSIER DOGWOOD	*Cornus sericea*	**5**	6' o.c.
RB	RIVER BIRCH	*Betula nigra*	**3**	AS SHOWN ON PAGE
RO	RED OAK	*Quercus rubra*	**3**	AS SHOWN ON PAGE

NOTE: FIELD COORDINATE WITH UTILITY ITEMS TO AVOID CONFLICTS WHEN STAKING PLANTS.



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLANTING PLAN L.108	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\ST.CROIX CROSSING_PLANTING PLAN.DWG
PLOT BY : SEH INC.
PLOT DATE : 09/18/2017
PLOT NAME : PLANTING PLAN

WISDOT/CADDS SHEET 44

NOTE: FIELD COORDINATE WITH UTILITY ITEMS TO AVOID CONFLICTS WHEN STAKING PLANTS.

SNOW STORAGE AREA

R/W

(1) RB
(2) BC
(3) NV
(1) BO
(2) RB
(1) BC
(5) JB
(1) RO
(3) NV
(5) JB
(1) RO
(2) HT
(1) BO
(1) BC
(5) FG

SHARED USE PATH

BED 18

FEN

(5) FG
BED 20
(5) FG
(3) GD
(3) AV
(5) FS
(3) GD
(3) AV
(3) GD

(4) DH
(4) AH
(5) FG
R.O.W. FENCE

W.B. ON RAMP

6' SETBACK LIMIT FROM EDGE OF PATH PAVEMENT

PRAIRIE AND PERENNIAL PLANTING BED, TYP. SEE NOTES FOR SEED MIX.

QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT	COMMENTS
AH	AMERICAN HAZELNUT	*Corylus americana*	4	4' o.c.
AV	ARROWWOOD VIBURNUM	*Viburnum dentatum*	6	4' o.c.
BC	WILD BLACK CHERRY	*Prunus serotina*	4	AS SHOWN ON PAGE
BO	BURR OAK	*Quercus macrocarpa*	2	AS SHOWN ON PAGE
DH	DWARFBUSH HONEYSUCKLE	*Diervilla lonicera*	4	3' o.c.
FG	FROST GRAPE	*Vitis riparia Michx.*	20	3' o.c.
FS	FRAGRANT SUMAC	*Rhus aromatica*	5	3' o.c.
GD	GREY DOGWOOD	*Cornus racemosa*	9	3' o.c.
HT	HAWTHORN	*Cratageous crus-galli v. inermis*	2	AS SHOWN ON PAGE
JB	JUNEBERRY	*Amelanchier arborea*	10	3' o.c.
NV	NANNYBERRY VIBURNUM	*Viburnum lentago*	6	6' o.c.
RB	RIVER BIRCH	*Betula nigra*	3	AS SHOWN ON PAGE
RO	RED OAK	*Quercus rubra*	2	AS SHOWN ON PAGE

N

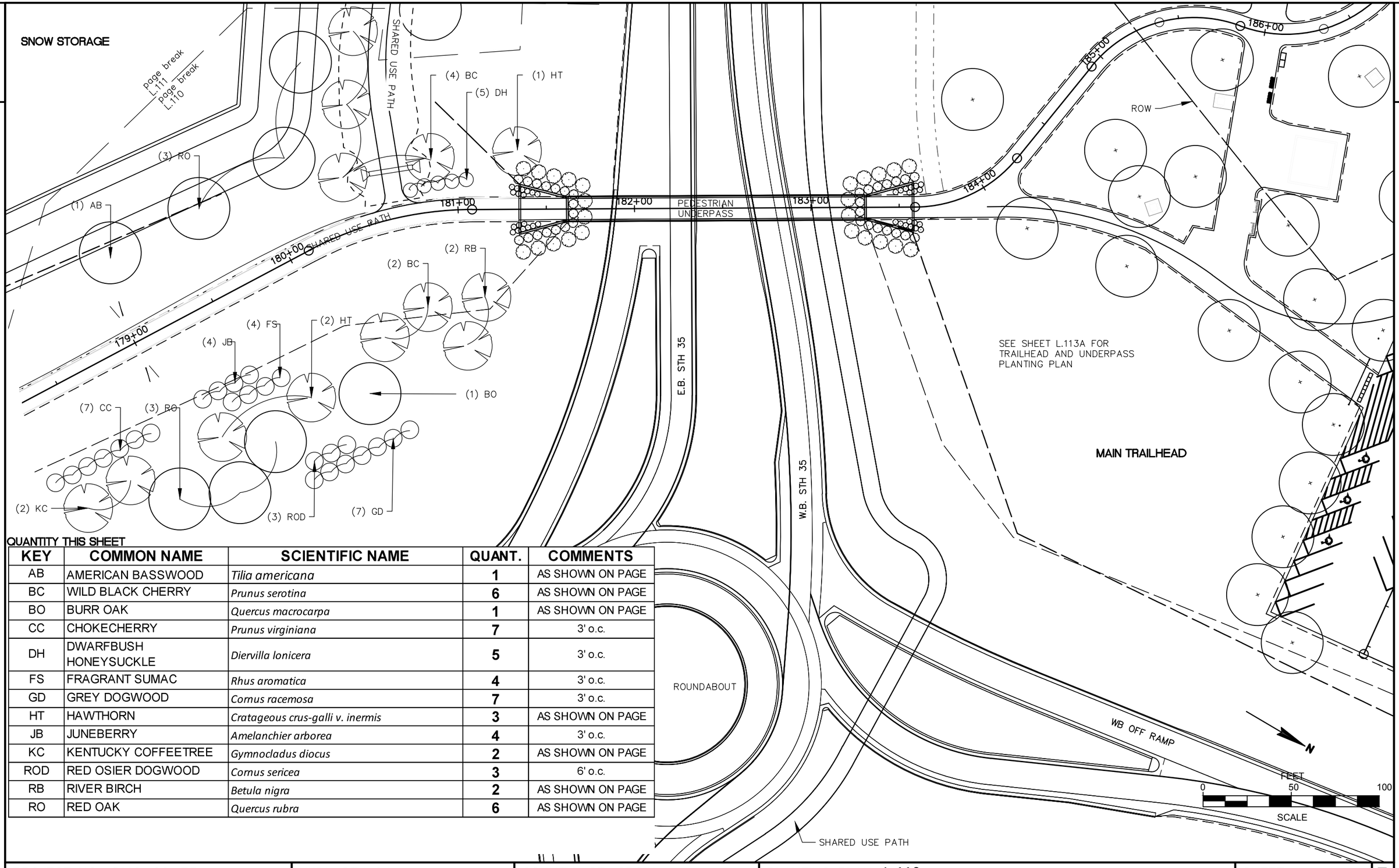
FEET
0 50 100
SCALE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLANTING PLAN L.109	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\ST.CROIX CROSSING_PLANTING PLAN.DWG
PLOT BY : SEH INC.
PLOT DATE : 09/18/2017
PLOT NAME : PLANTING PLAN
WISDOT/CADDS SHEET 44

2

SNOW STORAGE

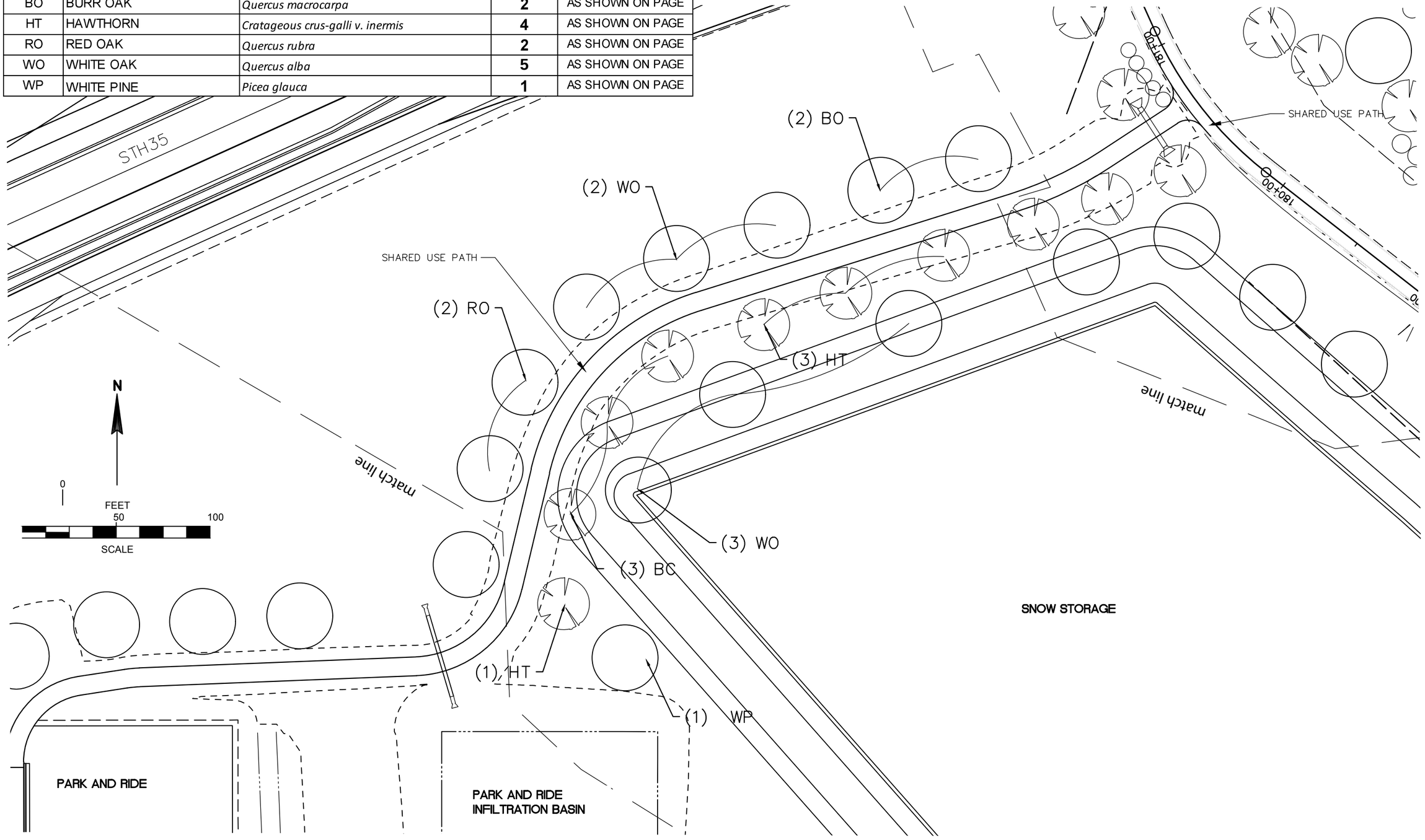


QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT.	COMMENTS
AB	AMERICAN BASSWOOD	*Tilia americana*	1	AS SHOWN ON PAGE
BC	WILD BLACK CHERRY	*Prunus serotina*	6	AS SHOWN ON PAGE
BO	BURR OAK	*Quercus macrocarpa*	1	AS SHOWN ON PAGE
CC	CHOKECHERRY	*Prunus virginiana*	7	3' o.c.
DH	DWARFBUSH HONEYSUCKLE	*Diervilla lonicera*	5	3' o.c.
FS	FRAGRANT SUMAC	*Rhus aromatica*	4	3' o.c.
GD	GREY DOGWOOD	*Cornus racemosa*	7	3' o.c.
HT	HAWTHORN	*Cratageous crus-galli v. inermis*	3	AS SHOWN ON PAGE
JB	JUNEBERRY	*Amelanchier arborea*	4	3' o.c.
KC	KENTUCKY COFFEETREE	*Gymnocladus diocus*	2	AS SHOWN ON PAGE
ROD	RED OSIER DOGWOOD	*Cornus sericea*	3	6' o.c.
RB	RIVER BIRCH	*Betula nigra*	2	AS SHOWN ON PAGE
RO	RED OAK	*Quercus rubra*	6	AS SHOWN ON PAGE

QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT.	COMMENTS
BC	WILD BLACK CHERRY	*Prunus serotina*	**3**	AS SHOWN ON PAGE
BO	BURR OAK	*Quercus macrocarpa*	**2**	AS SHOWN ON PAGE
HT	HAWTHORN	*Cratageous crus-galli v. inermis*	**4**	AS SHOWN ON PAGE
RO	RED OAK	*Quercus rubra*	**2**	AS SHOWN ON PAGE
WO	WHITE OAK	*Quercus alba*	**5**	AS SHOWN ON PAGE
WP	WHITE PINE	*Picea glauca*	**1**	AS SHOWN ON PAGE



2

N

FEET
0 50 100
SCALE

SNOW STORAGE

(2) RO

(1) WP

(3) WO

(3) RO

HAWK STREET SOUTH

PARK AND RIDE

PARK AND RIDE
INFILTRATION BASIN

match line
match line

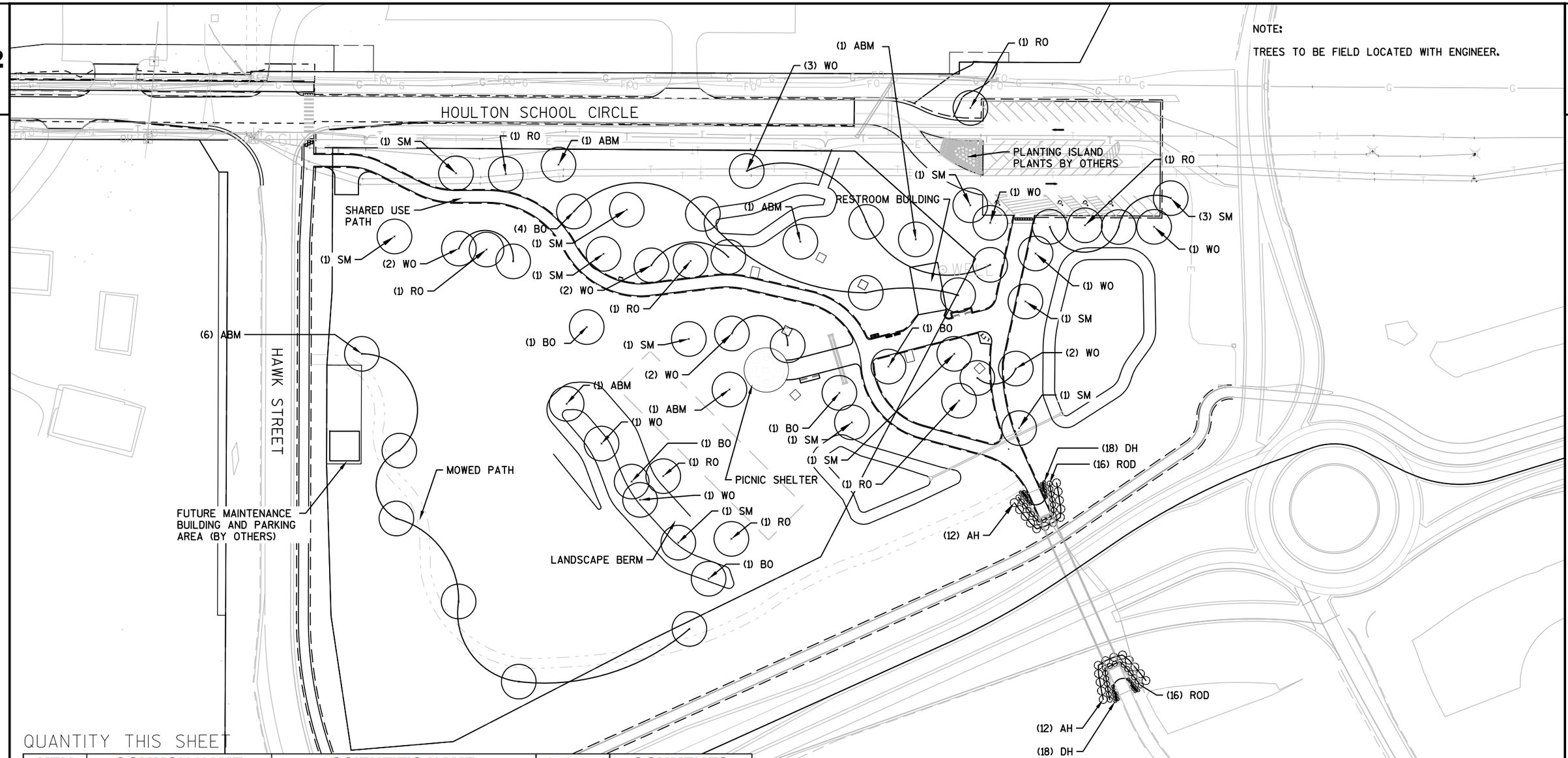
QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT.	COMMENTS
BO	BUR OAK	*Quercus macrocarpa*	4	AS SHOWN ON PAGE
RO	RED OAK	*Quercus rubra*	8	AS SHOWN ON PAGE
WO	WHITE OAK	*Quercus alba*	6	AS SHOWN ON PAGE
WP	WHITE PINE	*Picea glauca*	3	AS SHOWN ON PAGE

(1) WP (2) BO (3) WO SNOW ROAD (3) RO (2) BO (1) WP

NOTE:

TREES TO BE FIELD LOCATED WITH ENGINEER.



QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT.	COMMENTS
AH	AMERICAN HAZELNUT	*Corylus americana*	**24**	4' o.c.
ABM	AUTUMN BLAZE MAPLE	*Acer X. fremanii 'autumn blaze'*	**11**	AS SHOWN ON PAGE
BO	BUR OAK	*Quercus macrocarpa*	**9**	AS SHOWN ON PAGE
DH	DWARFBUSH HONEYSUCKLE	*Diervilla lonicera*	**36**	3' o.c.
RO	RED OAK	*Quercus rubra*	**8**	AS SHOWN ON PAGE
ROD	RED OSIER DOGWOOD	*Cornus sericea*	**32**	6' o.c.
SM	SUGAR MAPLE	*Acer saacharum*	**14**	AS SHOWN ON PAGE
WO	WHITE OAK	*Quercus alba*	**16**	AS SHOWN ON PAGE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	MAIN TRAILHEAD PLANTING PLAN	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\PLANTINGPLANMAINTRAILHEAD.DWG

PLOT BY : SEH INC.
PLOT DATE : 06/01/2017

PLOT NAME :

2

L.114

N

FEET
0 50 100
SCALE

R.O.W. FENCE

(6) NV
(1) BO
(1) RB
(6) JB
(6) ROD
(1) RO
(1) RB
(6) CC
(6) NV
(6) JB
(1) BO
(1) RB
(6) ROD
(6) FS
(1) AB
(1) RB
(6) NV
(6) CC
(1) AB

STH 64 WB

215

match line

215

STH 64 EB

(6) JB
(6) JB
(6) JB
(6) ROD
(6) CC
(3) BC
(6) NV
(6) JB
(6) ROD
(6) JB
(6) NV
(6) CC
(1) RO
(1) AB
(2) RB
(2) RB
(3) BO
(2) BC

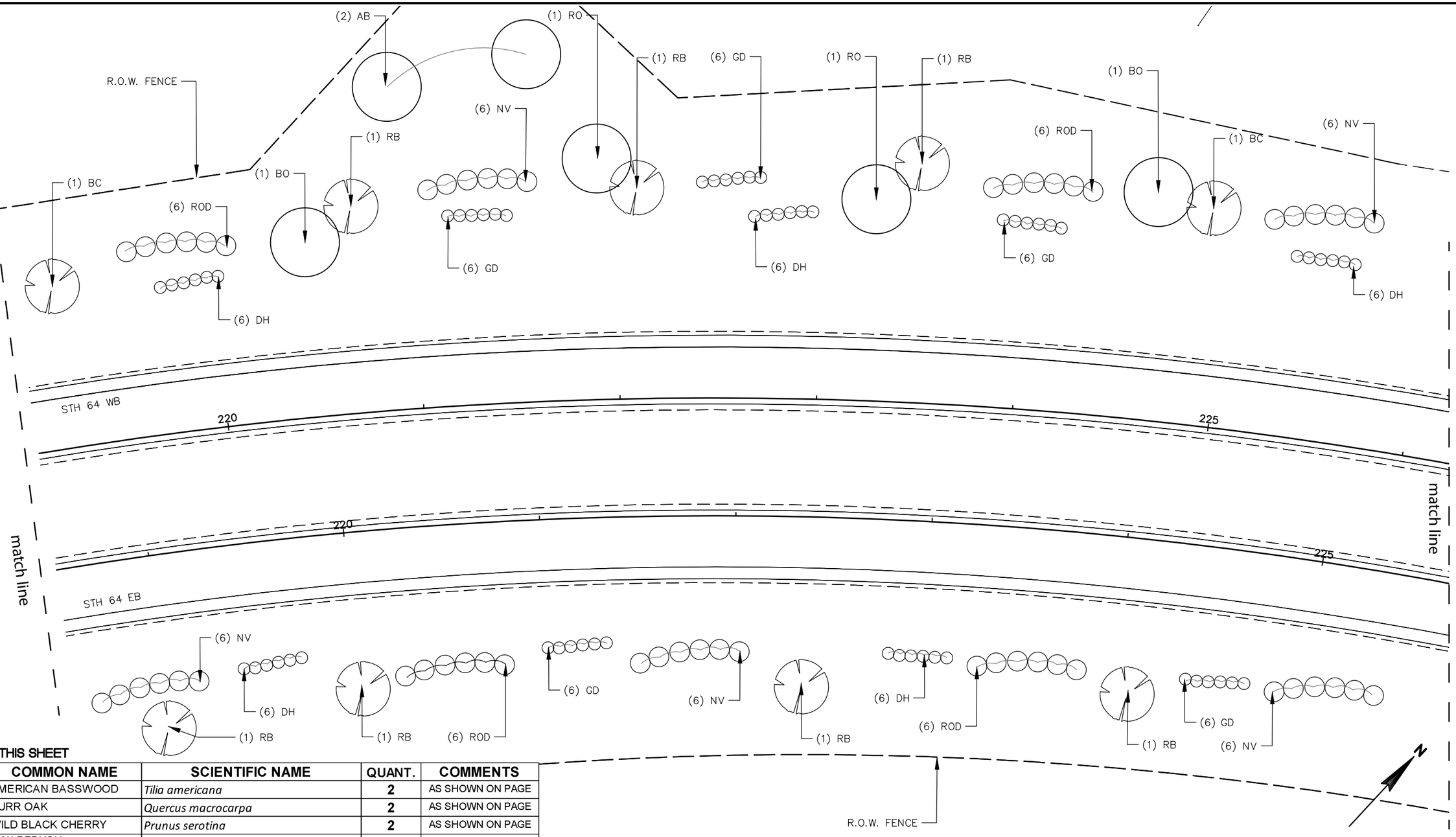
match line

R.O.W. FENCE

QUANTITY THIS SHEET

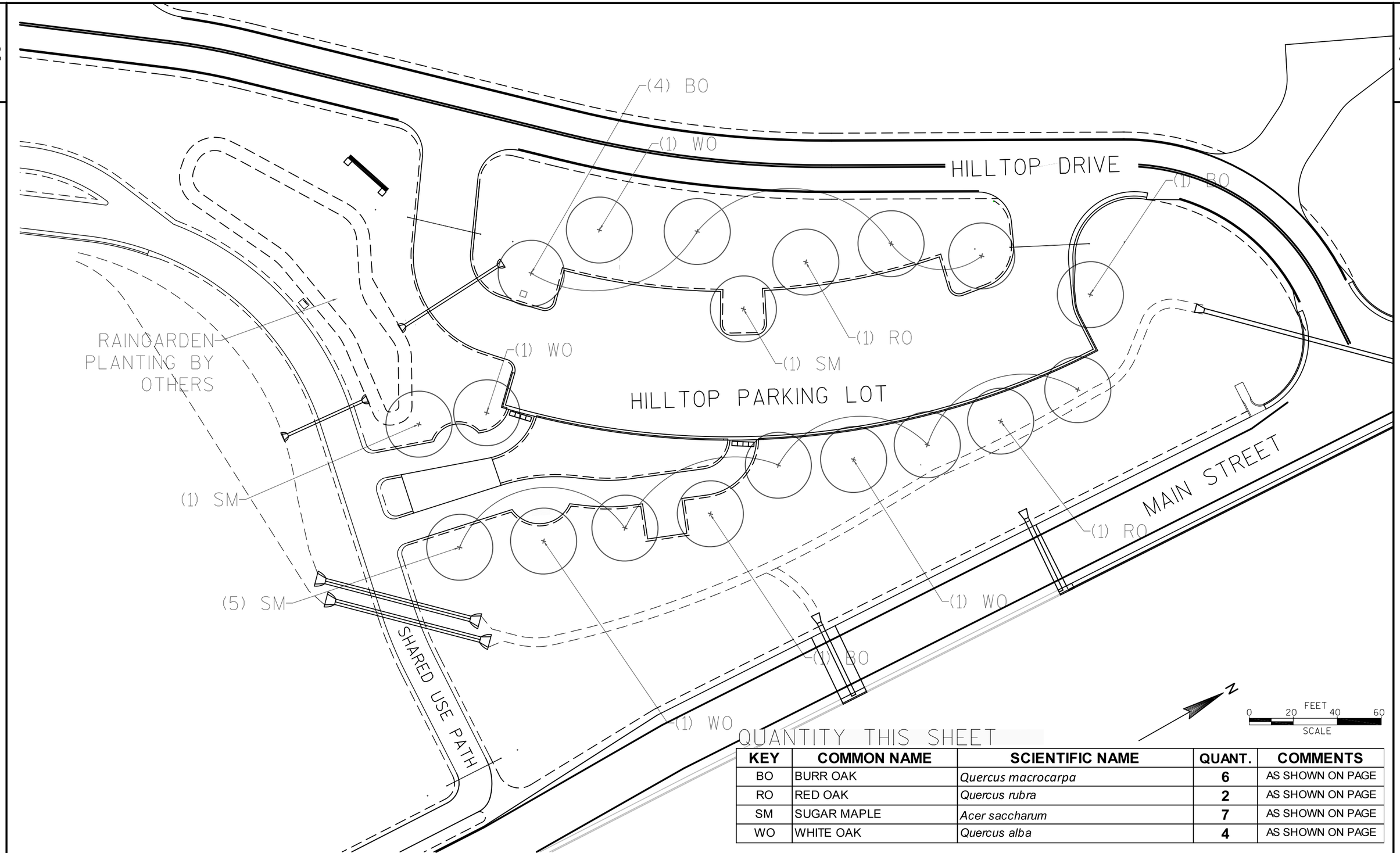
KEY	COMMON NAME	SCIENTIFIC NAME	QUANT.	COMMENTS
AB	AMERICAN BASSWOOD	*Tilia americana*	3	AS SHOWN ON PAGE
BO	BURR OAK	*Quercus macrocarpa*	5	AS SHOWN ON PAGE
BC	WILD BLACK CHERRY	*Prunus serotina*	5	AS SHOWN ON PAGE
CC	CHOKECHERRY	*Prunus virginiana*	24	3' o.c.
FS	FRAGRANT SUMAC	*Rhus aromatica*	6	3' o.c.
JB	JUNEBERRY	*Amelanchier arborea*	42	3' o.c.
NV	NANNYBERRY VIBURNUM	*Viburnum lentago*	30	6' o.c.
ROD	RED OSIER DOGWOOD	*Cornus sericea*	24	6' o.c.
RB	RIVER BIRCH	*Betula nigra*	8	AS SHOWN ON PAGE
RO	RED OAK	*Quercus rubra*	2	AS SHOWN ON PAGE

2



QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT.	COMMENTS
AB	AMERICAN BASSWOOD	*Tilia americana*	**2**	AS SHOWN ON PAGE
BO	BURR OAK	*Quercus macrocarpa*	**2**	AS SHOWN ON PAGE
BC	WILD BLACK CHERRY	*Prunus serotina*	**2**	AS SHOWN ON PAGE
DH	DWARFBUSH HONEYSUCKLE	*Diervilla lonicera*	**30**	3' o.c.
GD	GREY DOGWOOD	*Cornus racemos*	**30**	3' o.c.
NV	NANNYBERRY VIBURNUM	*Viburnum lentago*	**30**	6' o.c.
ROD	RED OSIER DOGWOOD	*Cornus sericea*	**24**	6' o.c.
RB	RIVER BIRCH	*Betula nigra*	**7**	AS SHOWN ON PAGE
RO	RED OAK	*Quercus rubra*	**2**	AS SHOWN ON PAGE



QUANTITY THIS SHEET

KEY	COMMON NAME	SCIENTIFIC NAME	QUANT.	COMMENTS
BO	BURR OAK	*Quercus macrocarpa*	**6**	AS SHOWN ON PAGE
RO	RED OAK	*Quercus rubra*	**2**	AS SHOWN ON PAGE
SM	SUGAR MAPLE	*Acer saccharum*	**7**	AS SHOWN ON PAGE
WO	WHITE OAK	*Quercus alba*	**4**	AS SHOWN ON PAGE

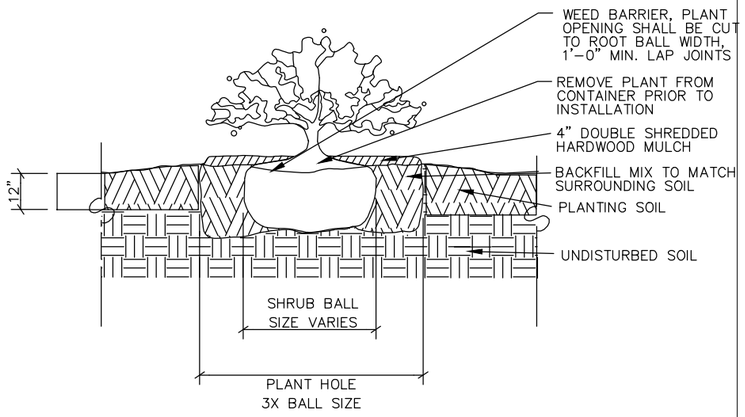
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	HILLTOP TRAILHEAD PLANTING PLAN	SHEET	E

TOTAL QTY	KEY	QTY	COMMON NAME	SCIENTIFIC NAME	SIZE	CONT	COMMENTS
185	**CANOPY TREES**						
	ABM	11	AUTUMN BLAZE MAPLE	*Acer rubrum*	3"	B&B	AS SHOWN ON PAGE
	AB	15	AMERICAN BASSWOOD	*Tilia americana*	4"	B&B	AS SHOWN ON PAGE
	BO	47	BUR OAK	*Quercus macrocarpa*	4"	B&B	AS SHOWN ON PAGE
	RO	42	RED OAK	*Quercus rubra*	4"	B&B	AS SHOWN ON PAGE
	SM	21	SUGAR MAPLE	*Acer saccharum*	3"	B&B	AS SHOWN ON PAGE
	WO	27	WHITE OAK	*Quercus alba*	4"	B&B	AS SHOWN ON PAGE
	WP	8	WHITE PNE	*Picea glauca*	3"	B&B	AS SHOWN ON PAGE
118	**UNDERSTORY TREES**						
	BC	46	WILD BLACK CHERRY	*Prunus serotina*	2.5"	B&B	AS SHOWN ON PAGE
	HT	23	HAWTHORN	*Cratageous crus-galli v. inermis*	2.5"	B&B	AS SHOWN ON PAGE
	KC	2	KENTUCKY COFFEETREE	*Gymnocladus diocus*	2.5"	B&B	AS SHOWN ON PAGE
	RB	40	RIVER BIRCH	*Betula nigra*	2.5"	B&B	AS SHOWN ON PAGE
638	**SHRUBS**						
	AH	61	AMERICAN HAZELNUT	*Corylus americana*	#1	CONT.	4' o.c.
	AV	34	ARROWWOOD VIBURNUM	*Viburnum dentatum*	#1	CONT.	4' o.c.
	CC	81	CHOKE CHERRY	*Prunus virginiana*	#1	CONT.	3' o.c.
	DH	128	DWARFBUSH HONEYSUCKLE	*Diervilla lonicera*	#1	CONT.	3' o.c.
	FS	43	FRAGRANT SUMAC	*Rhus aromatica*	#1	CONT.	3' o.c.
	JB	114	JUNEBERRY	*Amelanchier arborea*	#1	CONT.	3' o.c.
	NV	125	NANNYBERRY VIBURNUM	*Viburnum lentago*	#1	CONT.	6' o.c.
438	**PERENNIALS**						
	FG	115	FROST GRAPE	*Vitis riparia Michaux*	#1	CONT.	3' o.c.
	GB	6	PRICKLY GOOSEBERRY	*Ribes cynosbati*	#1	CONT.	3' o.c.
	GD	135	GRAY DOGWOOD	*Cornus racemosa*	#1	CONT.	3' o.c.
	ROD	137	RED OSIER DOGWOOD	*Cornus sericea*	#1	CONT.	6' o.c.

1 PP9 PLANTING SCHEDULE

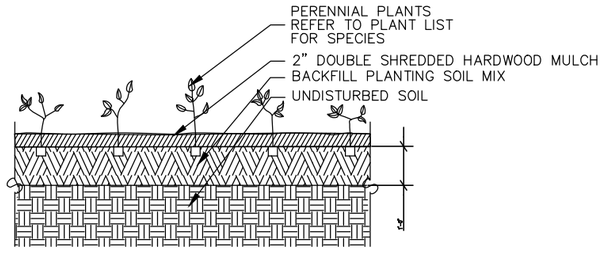
PLANTING NOTES:

- CONTRACTOR SHALL INSPECT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS RELATING TO THE NATURE AND SCOPE OF WORK.
- CONTRACTOR SHALL CONTACT LOCAL UTILITY AGENCIES FOR LOCATION OF UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE IF DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL ASSURE COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK AND/OR MATERIALS SUPPLIED.
- CONTRACTOR SHALL COORDINATE ALL PHASES OF CONSTRUCTION AND PLANTING INSTALLATION WITH OTHER CONTRACTORS WORKING ON SITE.
- EXISTING TREES FOUND ON SITE SHALL BE PROTECTED AND SAVED UNLESS NOTED TO BE REMOVED OR ARE LOCATED IN AN AREA TO BE GRADED. QUESTIONS REGARDING EXISTING PLANT MATERIAL SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO REMOVAL.
- WORK LIMITS AS INDICATED ON PLANS ARE ONLY APPROXIMATE AND MAY BE ADJUSTED IN FIELD BY OWNER'S REPRESENTATIVE. WORK OUTSIDE OF THESE LIMITS WILL BE DONE AT CONTRACTORS EXPENSE UNLESS DIRECTED BY OWNER'S REPRESENTATIVE IN WRITING.
- REFER TO CIVIL DRAWINGS FOR EXISTING UTILITIES, GRADING AND SPOT ELEVATIONS, EROSION CONTROL MEASURES, ALIGNMENT AND GRADES OF THE PROPOSED WORK, RESTORATION AND SEEDING LIMITS.
- NO PLANTS WILL BE INSTALLED UNTIL FINAL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- CONTRACTOR SHALL MARK LOCATIONS OF ALL TREES TO BE INSTALLED ON SITE WITH ST. CROIX COUNTY AND THE LANDSCAPE ARCHITECT PRESENT PRIOR TO PLANTING.
- WHERE TURF ABUTS PAVED SURFACES, FINISHED GRADE OF SOD SHALL BE HELD 1" BELOW SURFACE ELEVATION OF DOWNHILL SIDE OF WALK, SLAB, CURB, ETC.
- PLAN TAKES PRECEDENCE OVER PLANT SCHEDULE IF DISCREPANCIES IN QUANTITIES EXIST. SPECIFICATIONS AND DETAILS TAKE PRECEDENCE OVER NOTES.
- PLANT MATERIALS TO BE INSTALLED PER PLANTING DETAILS AND SPECIFICATIONS.
- CONFORM TO THE WISCONSIN STATUTES AND WISCONSIN ADMINISTRATIVE CODE CHAPTER ATCP 20 REGARDING NOXIOUS WEED SEED CONTENT AND LABELING.
- SEED MIXTURES FOR USE ON THE RIGHT OF WAY AND EASEMENTS SHALL, UNLESS SPECIFIED OTHERWISE, BE COMPOSED OF SEEDS OF THE PURITY, GERMINATION, AND PROPORTIONS, BY WEIGHT, AS GIVEN IN THE TABLE OF HIGHWAY SEED MIXTURES AND THE TABLE OF NATIVE SEED MIXTURES.
- AVOID EXPOSURE OF THE CULTURE OR INOCULATED SEED TO THE SUNLIGHT, AND IN NO CASE SHALL ANY EXPOSURE EXCEED 1/2 HOUR.
- STORE ANY SEED DELIVERED BEFORE USE IN A WAY THAT PROTECTS IT FROM DAMAGE BY HEAT, MOISTURE, RODENTS, OR OTHER CAUSES. DISCARD AND REPLACE ANY PREVIOUSLY TESTED AND ACCEPTED SEED THAT BECOMES DAMAGED.
- MATERIAL SHALL BE LOCATED AND STAKED AS SHOWN ON PLAN. LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE TO APPROVE STAKING OF PLANT MATERIAL PRIOR TO DIGGING.
- NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL IS REQUESTED OF THE LANDSCAPE ARCHITECT BY THE CONTRACTOR PRIOR TO THE SUBMISSION OF BID AND/OR QUOTATION.
- CONTRACTOR SHALL PREPARE AND SUBMIT A WRITTEN REQUEST FOR THE OWNER ACCEPTANCE INSPECTION OF LANDSCAPE AND SITE IMPROVEMENTS PRIOR TO SUBMITTING FINAL PAY REQUEST.
- SEED TYPE SPECIFICATION FOR PRAIRIE SEED MIX: USE NO.30 HIGHWAY SEED MIXTURE. AS SPECIFIED IN SECTION 630: SEEDING, TABLE 630-1 OF 2018 STANDARD SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL PROVISIONS WITHIN WIS.DOT SECTION 630 SPECIFICATIONS.
- SEED TYPE SPECIFICATION FOR NATIVE SEED MIX: USE NO.70A NATIVE SEED MIXTURE. SEED MIX NO.75 CAN BE USED AS A SUBSTITUTE AS NEEDED FOR EROSION CONTROL. AS SPECIFIED IN SECTION 630: SEEDING, TABLE 630-2 OF 2018 STANDARD SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL PROVISIONS WITHIN WIS.DOT SECTION 630 SPECIFICATIONS.
- SEED TYPE SPECIFICATION FOR MOW AREA SEED MIX: USE NO.20 HIGHWAY SEED MIXTURE. AS SPECIFIED IN SECTION 630: SEEDING, TABLE 630-1 OF 2018 STANDARD SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL PROVISIONS WITHIN WIS.DOT SECTION 630 SPECIFICATIONS.



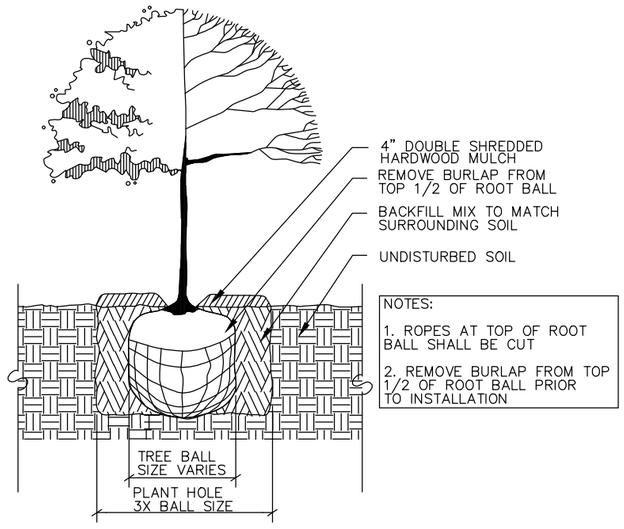
1 SHRUB PLANTING DETAIL

NTS



2 GROUNDCOVER/PERENNIAL DETAIL

NTS



3 TREE PLANTING DETAIL

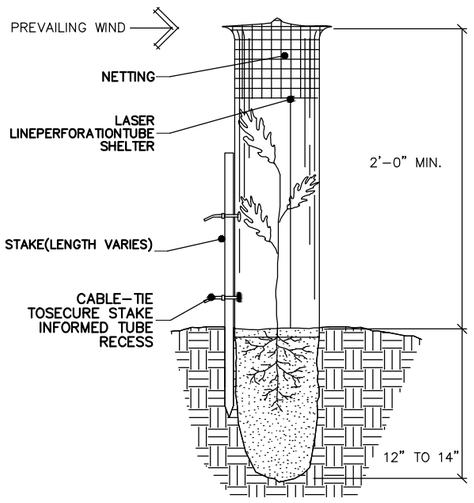
NTS

1.USE SEAMLESS, EXTRUDED, TWIN–WALL, RIGID AND SEMI TRANSLUCENT POLYPROPYLENE TUBES WITH A LASER LINE PERFORATION AND AN OUTWARD–FLARED TOP RIM.

2.SECURE SHELTER WITH NYLON CABLE–TIES ATTACHED TO A 1" x 1" WHITE OAK STAKE TO PREVENT DISLODGING OR TWISTING.

3.EMBED THE BOTTOM OF THE TUBE A MINIMUM OF 1" BELOW THE SOIL SURFACE WITHOUT DISTURBING THE TREE ROOTS.

4.PLACE A PLASTIC PHOTODEGRADABLE NETTING COVER AND SLEEVE OVER THE TOP OF THE TUBE. PULL NETTING DOWN AS SHOWN.



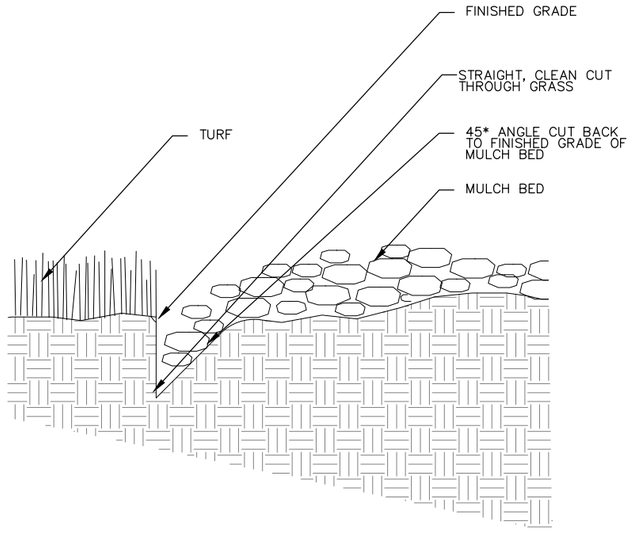
6 SEEDLING TREE SHELTERS

NTS

PRAIRIE AND PERENNIAL PLANTING BEDS

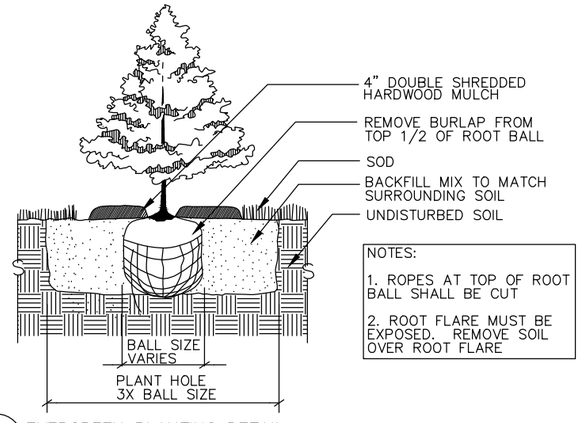
LOCATION	SEED MIX	AREA (acres)	TOTAL
BED 1	**perennial seed mix #70A**	0.02	
BED 2	**perennial seed mix #70A**	0.04	
BED 3	**perennial seed mix #70A**	0.03	
BED 4	**perennial seed mix #70A**	0.06	
BED 5	**perennial seed mix #70A**	0.03	
BED 6	**perennial seed mix #70A**	0.03	
BED 7	**perennial seed mix #70A**	0.06	
BED 8	**perennial seed mix #70A**	0.02	
BED 9	**perennial seed mix #70A**	0.05	
BED 10	**perennial seed mix #70A**	0.05	
BED 11	**perennial seed mix #70A**	0.01	
BED 12	**perennial seed mix #70A**	0.04	
BED 13	**perennial seed mix #70A**	0.04	
BED 14	**perennial seed mix #70A**	0.06	
BED 15	**perennial seed mix #70A**	0.02	
BED 16	**perennial seed mix #70A**	0.04	
BED 17	**perennial seed mix #70A**	0.05	
BED 18	**perennial seed mix #70A**	0.01	
BED 19	**perennial seed mix #70A**	0.07	
BED 20	**mow seed mix #20**	0.27	
BED 21	**mow seed mix #20**	0.37	
BED 22	**mow seed mix #20**	0.23	
			1.62

7 SEED MIX PLANTING BED QUANTITIES



4 EDGE DETAIL

NTS



5 EVERGREEN PLANTING DETAIL

NTS

2

2

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

CHURCH STREET

N

2004+00

2005+00

2006+00

2007+00

2008+00

2009+00

2010

MAIN STREET

2010+00.00 MATCH LINE

BEGIN CONSTRUCTION
STA 2004+01.34

SIGN LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON 2X2-INCH TUBULAR POST(S)

(X-Y) 'X' DENOTES SIGN SHEET NO.; 'Y' DENOTES SIGN NO.

N

INSTALL SPEED LIMIT 35 R2-1 24"X30" 1-1

REMOVE SPEED LIMIT 35 1-2

INSTALL TO 35 TO 64 TO COUNTY E J22-3 72"X57" MOVE 1-3

REMOVE DO NOT ENTER 1-5

INSTALL DO NOT ENTER R5-1 30"X30" 1-4

REMOVE STOP 1-6

1-7

INSTALL STOP R1-1 30"X30" 1-9

INSTALL STOP R1-1 30"X30" 1-8

6+00.00 MATCH LINE

HOULTON SCHOOL CIRCLE

7+00

INSTALL W11-15 30"X30" W16-7L 24"X12" 1-10

INSTALL STOP R1-1 18"X18" 1-11

SHARED USE PATH

TO 35 TO 64 TO COUNTY E J22-3 72"X57" MOVE 1-3

2010+00.00 MATCH LINE

2011+00

2012+00

2013+00

2014+00

2015+00

2016

MAIN STREET

2016+00.00 MATCH LINE

REMOVE AHEAD 1-12

INSTALL SPEED LIMIT 25 R2-1 24"X30" 1-13

INSTALL W11-15 30"X30" AHEAD W16-9P 24"X12" 1-14

INSTALL W11-15 30"X30" W16-7L 24"X12" 1-15

HOULTON SCHOOL CIRCLE

501+00

SHARED USE PATH

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PERMANENT SIGNING: MAIN STREET	SHEET 130	E

2

2

2016+00.00 MATCH LINE

2022+00.00 MATCH LINE

INSTALL

2-1

W11-15
30"X30"
AHEAD
W16-9P
24"X12"

2-2

REMOVE

AHEAD

N

SHARED USE PATH

+00 2017+00 2018+00 2019+00 2020+00 2021+00 2022

MAIN STREET

REMOVE

SPEED LIMIT 35

2-3

2-4

INSTALL

SPEED LIMIT 25

R2-1
24"X30"

EXISTING SIGN TO REMAIN

REMOVE

2-5

INSTALL

SPEED LIMIT 25

R2-1
24"X30"

2-6

2-7

REMOVE

SPEED LIMIT 35

SIGN LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON 2X2-INCH TUBULAR POST(S)

(X-Y) 'X' DENOTES SIGN SHEET NO.; 'Y' DENOTES SIGN NO.

HILLTOP PARKING LOT

N

SEE SHEET 11 FOR ADDITIONAL SIGNING ON SHARED USE PATH AND HILLTOP PARKING LOT.

SHARED USE PATH

SHARED USE PATH

2022+00.00 MATCH LINE

+00 2023+00 2024+00 2025+00 2026+00 2027+00 2028

MAIN STREET

2028+00.00 MATCH LINE

REMOVE

Houlton
UNINCORPORATED

2-8

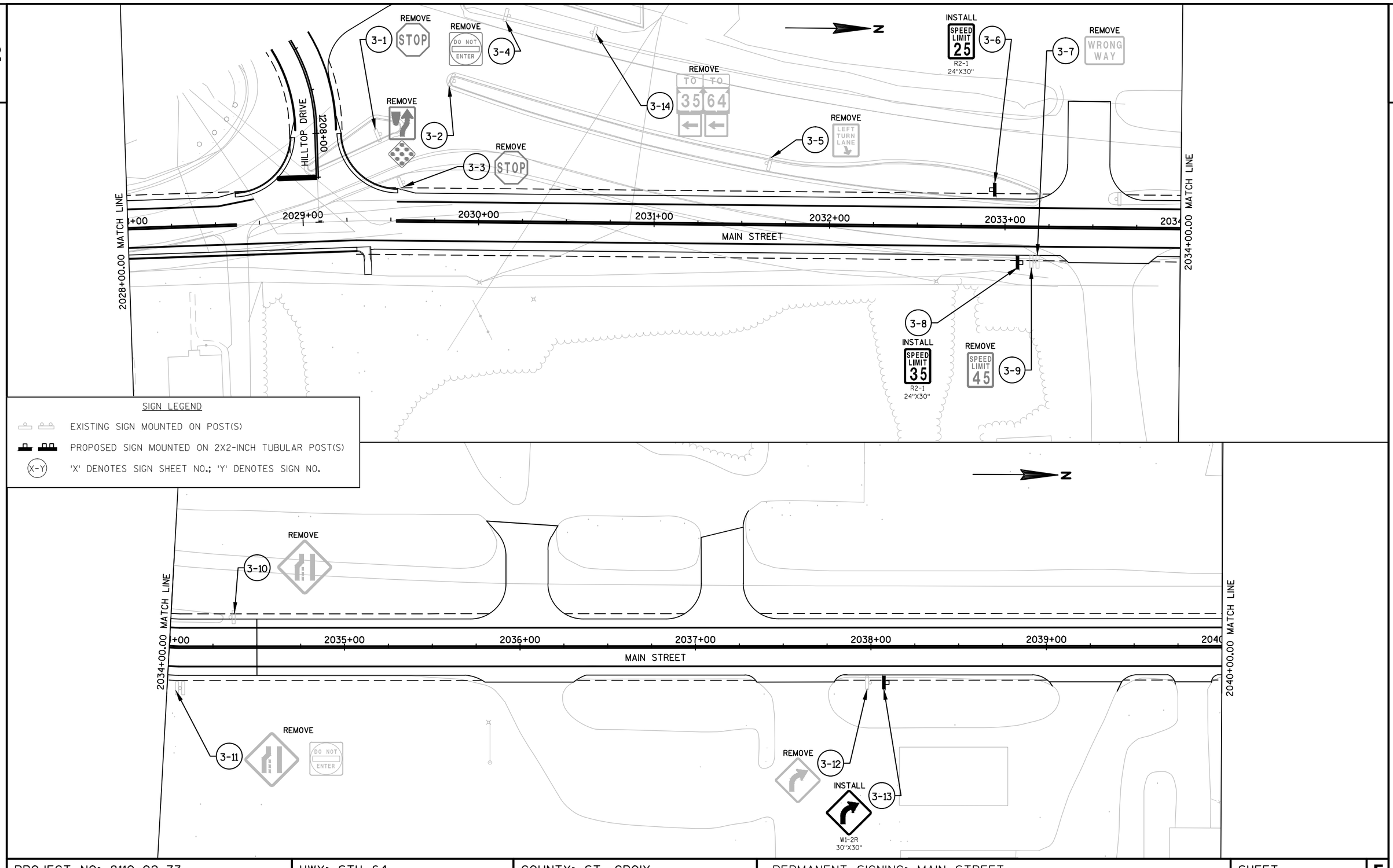
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PERMANENT SIGNING: MAIN STREET	SHEET 131	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING_PATH_MAIN STREET.DWG PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:50 FT

LAYOUT NAME - MAIN ST 2

WISDOT/CADDS SHEET 42

2



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PERMANENT SIGNING: MAIN STREET	SHEET 132	E

2

2

N

2040+00.00 MATCH LINE

2041+00

2042+00

2043+00

2044+00

2045+00

MAIN STREET

2046+00.00 MATCH LINE

REMOVE

4-1

RIGHT LANE ENDS

END CONSTRUCTION
STA 2045+00.00

SIGN LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON 2X2-INCH TUBULAR POST(S)

(X-Y) 'X' DENOTES SIGN SHEET NO.; 'Y' DENOTES SIGN NO.

N

EXISTING SIGN TO REMAIN

STOP

TRIANGLE DRIVE

REMOVE

SPEED LIMIT 45

4-2

INSTALL

4-3

SPEED LIMIT 35

R2-1
24"X30"

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

EXISTING SIGN TO REMAIN

2046+00.00 MATCH LINE

2047+00

2048+00

2049+00

2050+00

MAIN STREET

2051+00

2052+00

2053

EXISTING SIGN TO REMAIN

REMOVE

4-4

SPEED LIMIT 45

INSTALL

4-5

SPEED LIMIT 45

R2-1
24"X30"

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PERMANENT SIGNING: MAIN STREET	SHEET 133	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING_PATH\C212128SIGNSHEET.DWG PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:50 FT

LAYOUT NAME - MAIN ST 4

WISDOT/CADDS SHEET 42

2

N

INSTALL
SPEED LIMIT 25
R2-1
24"X30"
5-3

6+00.00 MATCH LINE

6+

5+00

4+00

3+00

2+00

1+00

HOULTON SCHOOL CIRCLE

INSTALL
W1-1L
30"X30"
15 M.P.H.
W13-1
24"X24"
5-2

REMOVE
SPEED LIMIT 35
5-4

INSTALL
W1-6
48"X24"
5-9

INSTALL
W1-6
48"X24"
5-6

BEGIN CONSTRUCTION
STA 0+71.34

RAINBOW STREET

REMOVE
STOP
5-1

1107+00

1106+00

CTH E (TO BE REMOVED)

INSTALL
STOP
R1-1
30"X30"
5-5

REMOVE
STOP
5-7

5-8

REMOVE

INSTALL
W1-1R
30"X30"
15 M.P.H.
W13-1
24"X24"
5-10

STATE STREET

BEGIN CONSTRUCTION
STA 0+77.12

SIGN LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON 2X2-INCH TUBULAR POST(S)

(X-Y) 'X' DENOTES SIGN SHEET NO.; 'Y' DENOTES SIGN NO.

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PERMANENT SIGNING: STATE ST/RAINBOW ST/HOULTON SCHOOL CIR	SHEET 134	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING_PATH\02-13-07_PERMSIGN_STATE-RAINBOW.DWG PLOT BY : JENNIFER LAUER
LAYOUT NAME - Plan_State-Rainbow_01

PLOT NAME :

PLOT SCALE : 1 IN:50 FT

2

2016+00

2015+00

MAIN STREET

REMOVE

6-1

INSTALL

STOP

R1-1
18"X18"

6-1

INSTALL

STOP

R1-1
30"X30"

6-2

MOVE TO NEW
GRASS TERRACE

6-3

NO PARKING HERE TO CORNER

N

REMOVE

6-6

REMOVE

STOP

6-8

INSTALL

STOP

R1-1
30"X30"

6-8

HAGGERTY
STREET

INSTALL

YIELD

R1-2
18"X15.5"

6-7

SHARED USE PATH

501+00 502+00 503+00 504+00 505+00 506+00 507+00

HOULTON SCHOOL CIRCLE

NO PARKING HERE TO CORNER

EXISTING
SIGN TO
REMAIN

INSTALL

SPEED LIMIT 25

R2-1
24"X30"

6-4

6-5

REMOVE

SPEED LIMIT 35

NEIGHBORHOOD COMMUNITY WATCH

EXISTING
SIGN TO
REMAIN

EXISTING
SIGN TO
REMAIN

INSTALL

YIELD

R1-2
18"X15.5"

6-9

507+50.00 MATCH LINE

SIGN LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON 2X2-INCH TUBULAR POST(S)

X-Y 'X' DENOTES SIGN SHEET NO.; 'Y' DENOTES SIGN NO.

507+50.00 MATCH LINE

N

STOP

EXISTING
SIGN TO
REMAIN

NO OUTLET

EXISTING
SIGN TO
REMAIN

INSTALL

6-16

W11-15
30"X30"

W16-7L
24"X12"

SHARED USE PATH

508+00 509+00 510+00 511+00 512+00 513+00 514+00 515+

HOULTON SCHOOL CIRCLE

INSTALL

SPEED LIMIT 25

R2-1
24"X30"

6-10

6-11

REMOVE

SPEED LIMIT 35

6-12

MOVE

SCHOOL
SPEED LIMIT 15
WHEN CHILDREN ARE PRESENT

INSTALL

6-13

W11-15
30"X30"

AHEAD

W16-9P
24"X12"

INSTALL

6-14

W11-15
30"X30"

W16-7L
24"X12"

INSTALL

STOP

6-15

R1-1
18"X18"

HAWK STREET

SHARED USE PATH

INSTALL

6-17

STOP

R1-1
30"X30"

515+00.00 MATCH LINE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PERMANENT SIGNING: HOULTON SCHOOL CIRCLE/SHARED USE PATH	SHEET 135	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING PLAN\C212032PS1HOULTON SCHOOL CIRCLESHARED.DWG
LAYOUT NAME - PS 1 HOULTON

PLOT NAME : JENNIFER LAUER

PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

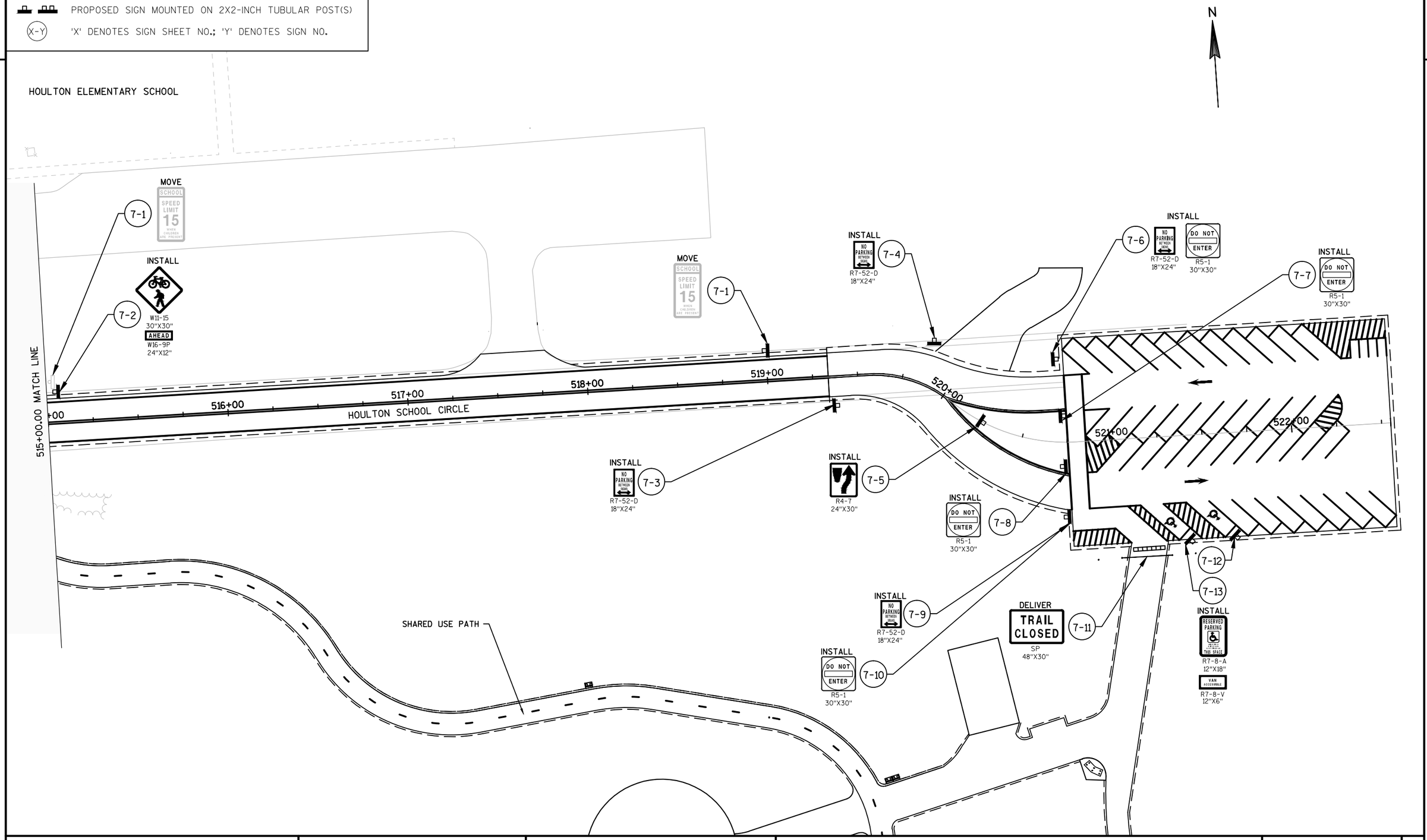
2

SIGN LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON 2X2-INCH TUBULAR POST(S)

(X-Y) 'X' DENOTES SIGN SHEET NO.; 'Y' DENOTES SIGN NO.

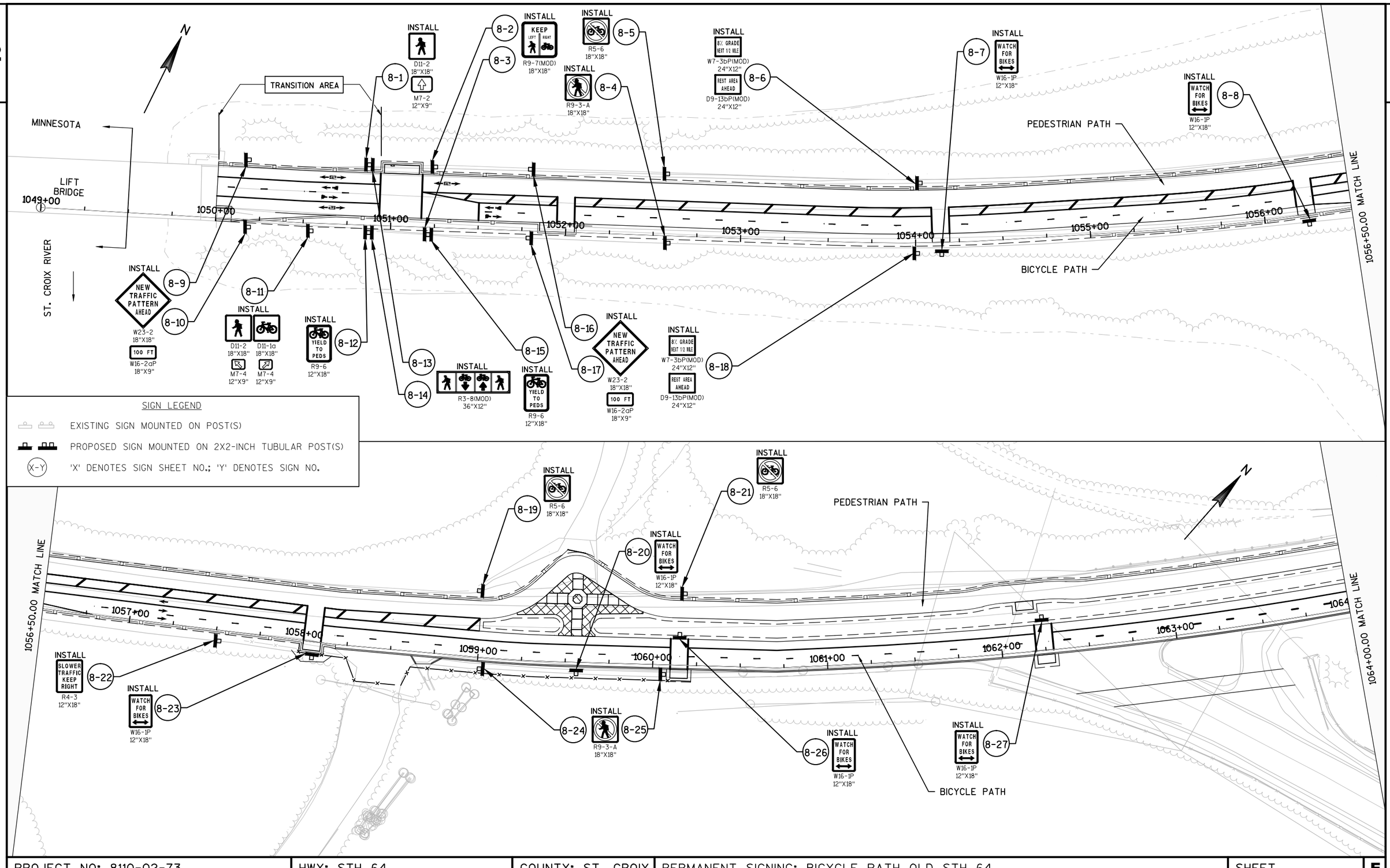


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PERMANENT SIGNING: HOULTON SCHOOL CIRCLE	SHEET	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING_PATH\C2132PS18HOULTONSCHOOL CIRCLE SHARED.DWG
LAYOUT NAME - PS 2 HOULTON

USER NAME = JENNIFER LAUER PLOT NAME : PLOT SCALE = 1 IN:50 FT

2

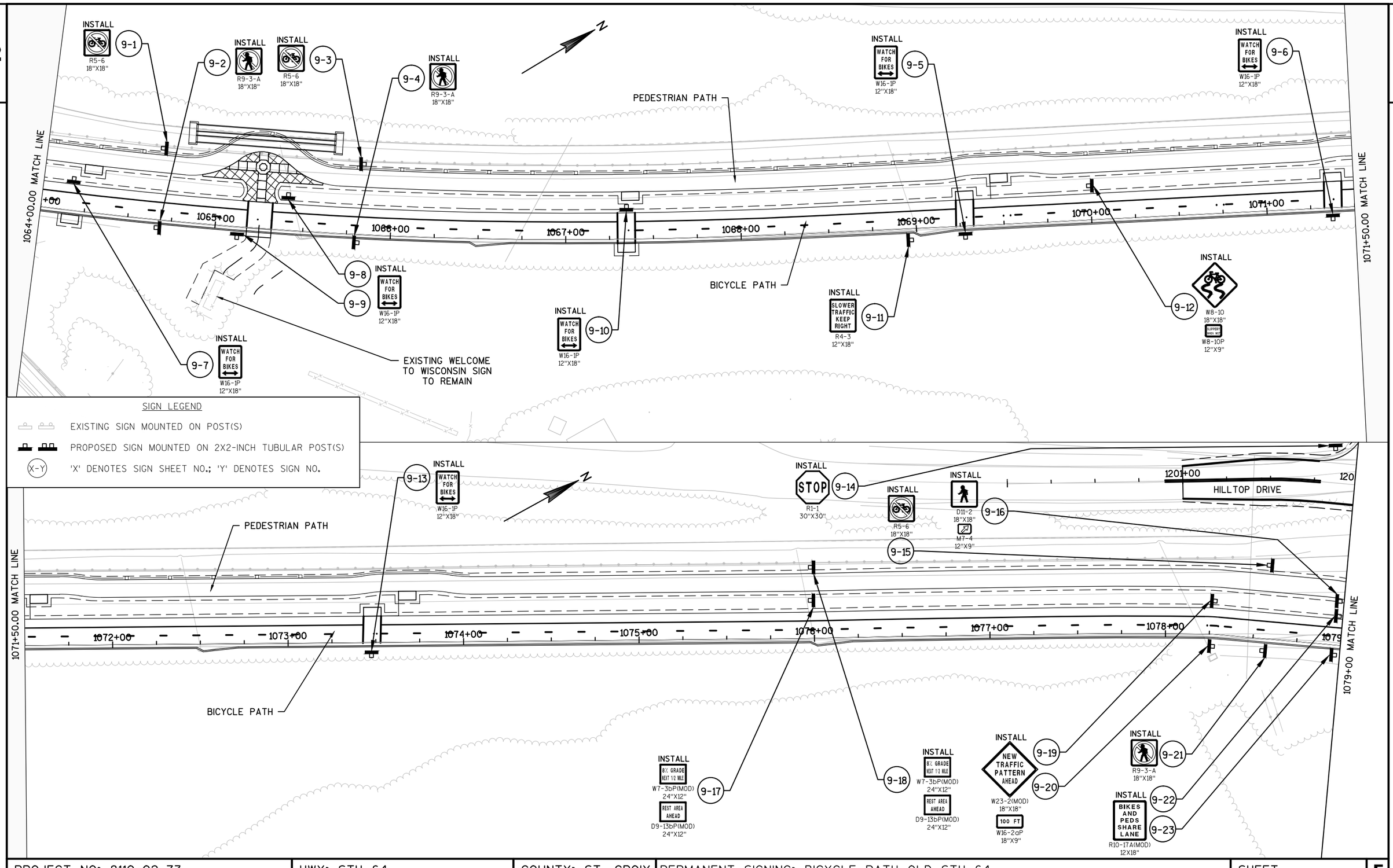


SIGN LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON 2X2-INCH TUBULAR POST(S)
- (X-Y) 'X' DENOTES SIGN SHEET NO.; 'Y' DENOTES SIGN NO.

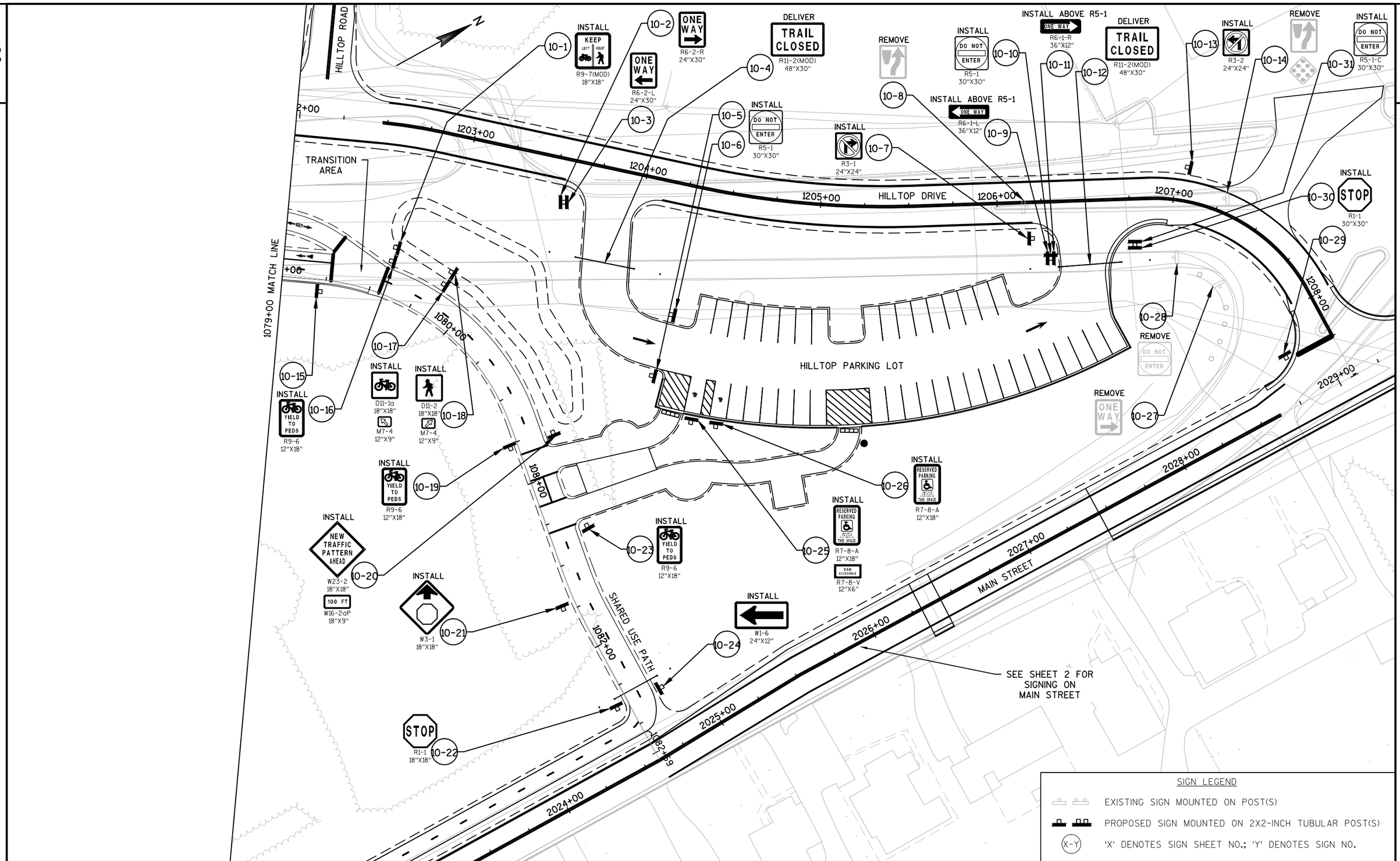
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PERMANENT SIGNING: BICYCLE PATH OLD STH 64	SHEET 137	E

2



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PERMANENT SIGNING: BICYCLE PATH OLD STH 64	SHEET 138	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING_PATH_C21242_PSS_STH64_BIKE-PED PATH_SHEET.DWG PLOT NAME : PLOT SCALE : 1 IN:50 FT
LAYOUT NAME - PM 2



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PERMANENT SIGNING: BICYCLE PATH OLD STH 64/HILLTOP DRIVE	SHEET 139	E

SIGN LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON 2X2-INCH TUBULAR POST(S)

(X-Y) 'X' DENOTES SIGN SHEET NO.; 'Y' DENOTES SIGN NO.

N

INSTALL
W1-6
48"X24"
11-7

INSTALL
W1-6
48"X24"
11-8

INSTALL
RESERVED PARKING
R7-8-A
12"X18"
VAN ACCESSIBLE
R7-8-V
12"X6"
11-6

INSTALL
RESERVED PARKING
R7-8-A
12"X18"
11-3

INSTALL
RESERVED PARKING
R7-8-A
12"X18"
11-4

INSTALL
RESERVED PARKING
R7-8-A
12"X18"
11-5

INSTALL
NO MOTOR VEHICLES
R5-3
24"X24"
11-1
11-9

INSTALL
AUTHORIZED VEHICLES ONLY
R5-11
30"X24"
11-2

STOP
R1-1
EXISTING SIGN TO REMAIN

11+00A
12+00A
13+00A
14+00A
15+00A
HAWK STREET SOUTH

STH 35

SNOW ROAD
21+00B
22+00B

100+00
101+00
102+00
103

51+00C
52+00C
53+00C
PARK AND RIDE LOT

MULTI-USE TRAIL

103+00.00 MATCH LINE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PERMANENT SIGNING - PARK AND RIDE	SHEET 140	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING PATH C2126528SIGNPLAN.DWG PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

LAYOUT NAME - ID-(1)

WISDOT/CADDS SHEET 42

2

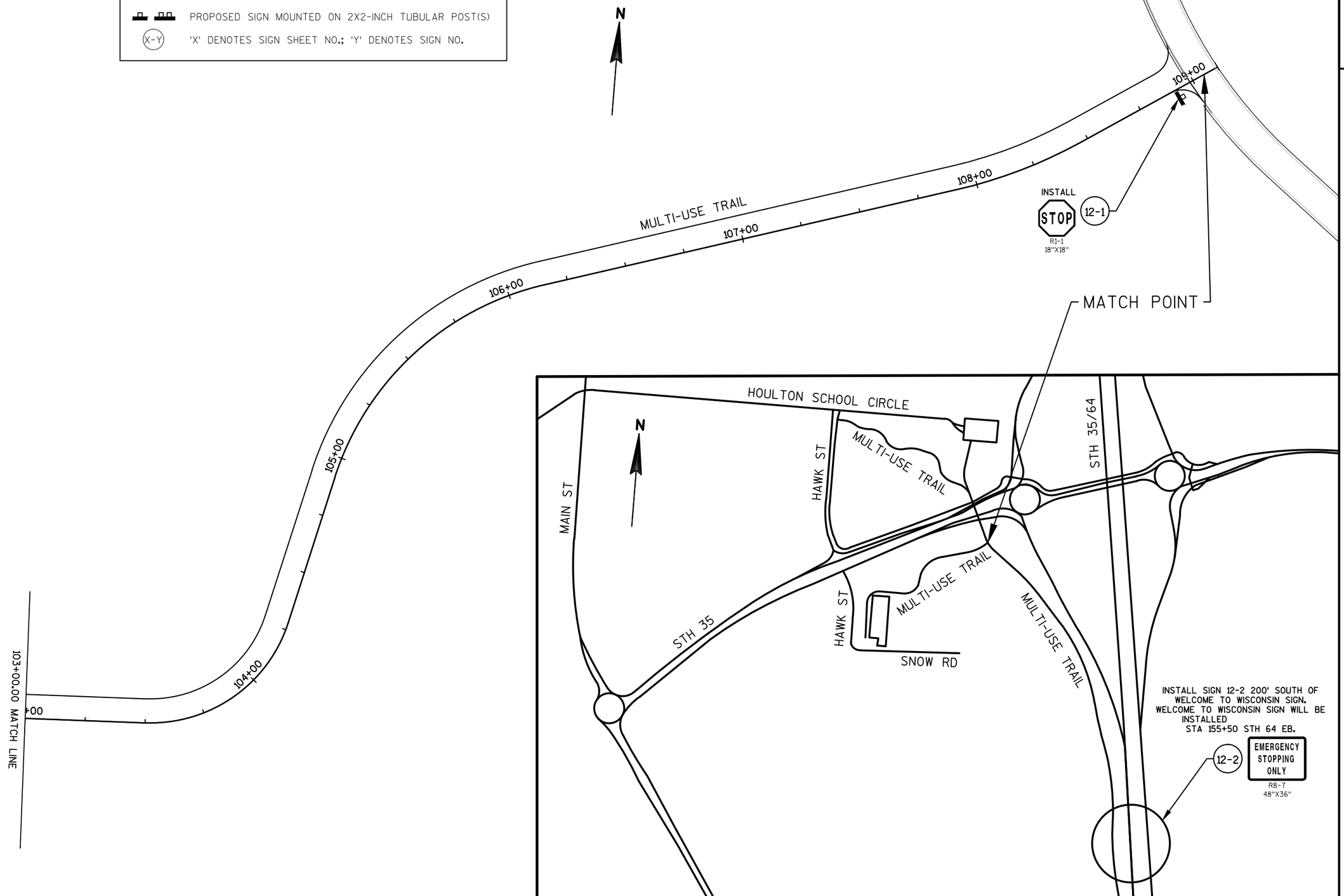
2

SIGN LEGEND

EXISTING SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON 2X2-INCH TUBULAR POST(S)

(X-Y) 'X' DENOTES SIGN SHEET NO.; 'Y' DENOTES SIGN NO.



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PERMANENT SIGNING - MULTI-USE TRAIL	SHEET 141	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING_PATH_C2165-18-SIGNSHEET01.DWG PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ********** WISDOT/CADDS SHEET 42

LAYOUT NAME - ID-(1)

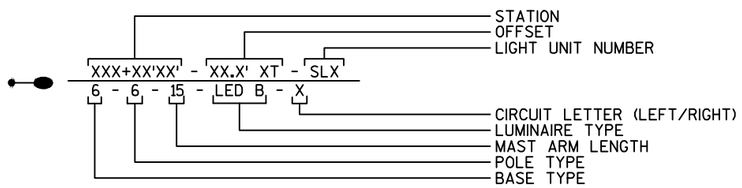
2

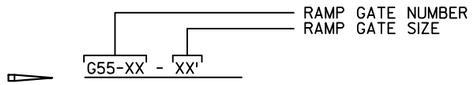
STREET LIGHTING PLANS PREPARED BY:

1/11/2018 (DATE) (SIGNATURE)

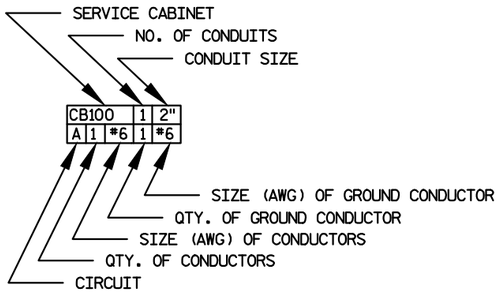
LIGHTING PLAN LEGEND:

- STREET LIGHT
- EXISTING STREET LIGHT
- TUNNEL LUMINAIRE
- ELECTRICAL SERVICE METER AND CONTROL PANELS
- ELECTRICAL SERVICE METER BREAKER PEDESTAL SPECIAL
- PEDESTAL MOUNTED OUTDOOR OUTLETS
- PULL BOXES STEEL 24X42-INCH
- EXISTING PULL BOXES STEEL 24X42-INCH
- RAMP GATE
- LIGHTING CONDUIT (2" SCHEDULE 40 PVC UNLESS NOTED)
- EXISTING LIGHTING CONDUIT (2" SCHEDULE 40 PVC UNLESS NOTED)





CONDUIT/CONDUCTOR LEGEND



PWO = PULL/TRACER WIRE ONLY

NEU = NEUTRAL

CONDUCTOR COLOR LEGEND

MP100	CB200	CB300	EXCB400
LIGHTING CONDUCTORS A - BLACK	LIGHTING CONDUCTORS A - BLACK	LIGHTING CONDUCTORS A - RED	RAMP GATE CONDUCTORS G - BLACK & NEUTRAL
240V PHASE TO PHASE	TUNNEL LIGHTING CONDUCTORS B - RED C - BLACK	240V PHASE TO PHASE	120V PHASE TO NEUTRAL
	240V PHASE TO PHASE	VENDOR OUTLET CONDUCTORS B - BLACK & NEUTRAL C - RED & NEUTRAL	
	PICNIC SHELTER CONDUCTORS D - RED & NEUTRAL	120V PHASE TO NEUTRAL	
	VENDOR OUTLET CONDUCTORS E - BLACK & NEUTRAL F - RED & NEUTRAL		
	120V PHASE TO NEUTRAL		

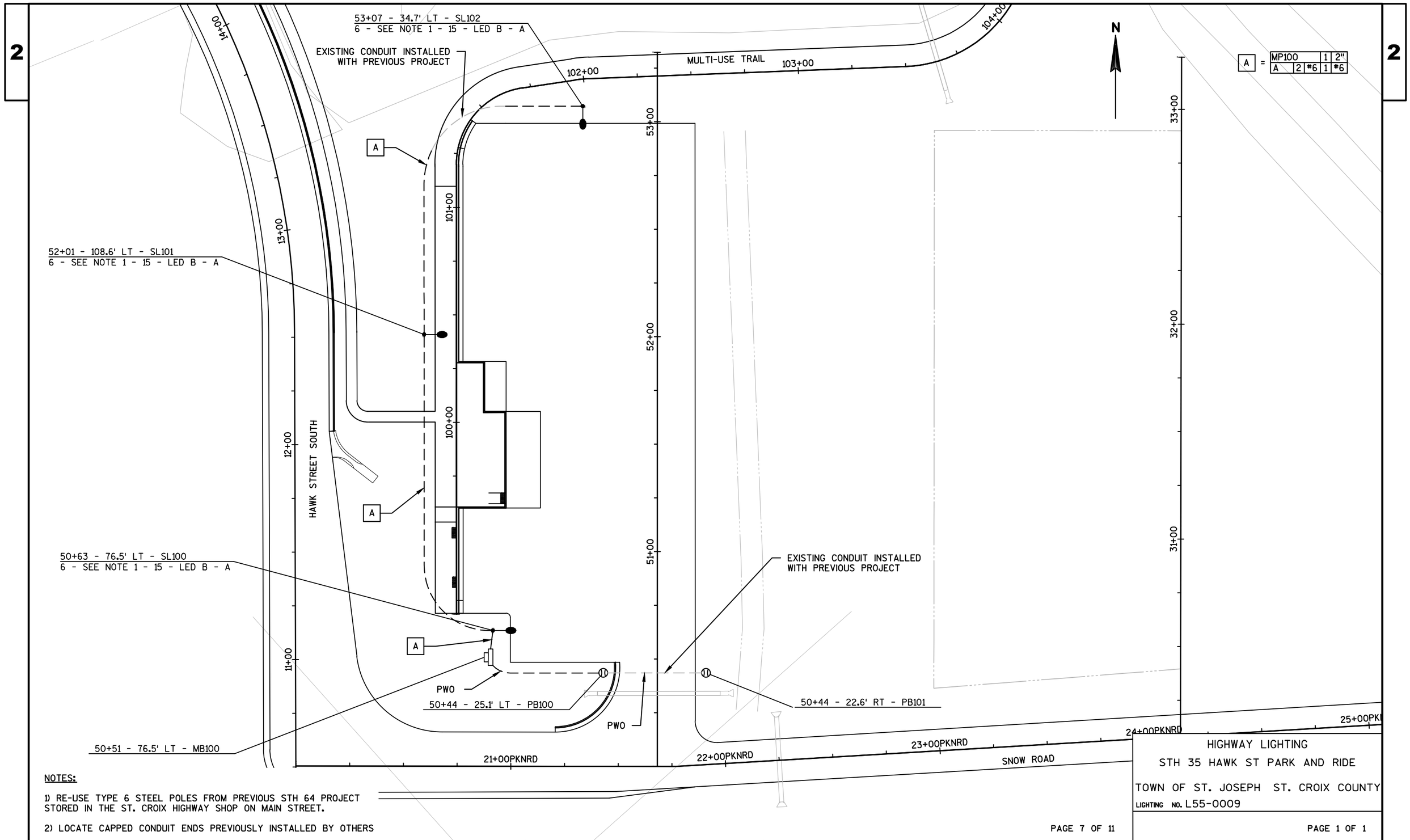
GENERAL STREET LIGHTING NOTES:

1) THE ENGINEER SHALL APPROVE THE FINAL LOCATION FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION.

2) THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

3) NO SPLICES ALLOWED IN PULL BOXES.

4) ENSURE THE PEDESTAL MOUNTED OUTDOOR OUTLETS ARE SPACED FAR ENOUGH APART TO ALLOW MULTIPLE VENDORS TO SIMULTANEOUSLY ACCESS THE ELECTRICAL SERVICE.



NOTES:

1) RE-USE TYPE 6 STEEL POLES FROM PREVIOUS STH 64 PROJECT STORED IN THE ST. CROIX HIGHWAY SHOP ON MAIN STREET.

2) LOCATE CAPPED CONDUIT ENDS PREVIOUSLY INSTALLED BY OTHERS

PAGE 7 OF 11

HIGHWAY LIGHTING

STH 35 HAWK ST PARK AND RIDE

TOWN OF ST. JOSEPH ST. CROIX COUNTY

LIGHTING NO. L55-0009

PAGE 1 OF 1

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST CROIX	LIGHTING PLANS - PARK AND RIDE	SHEET 143 E

NOTES:

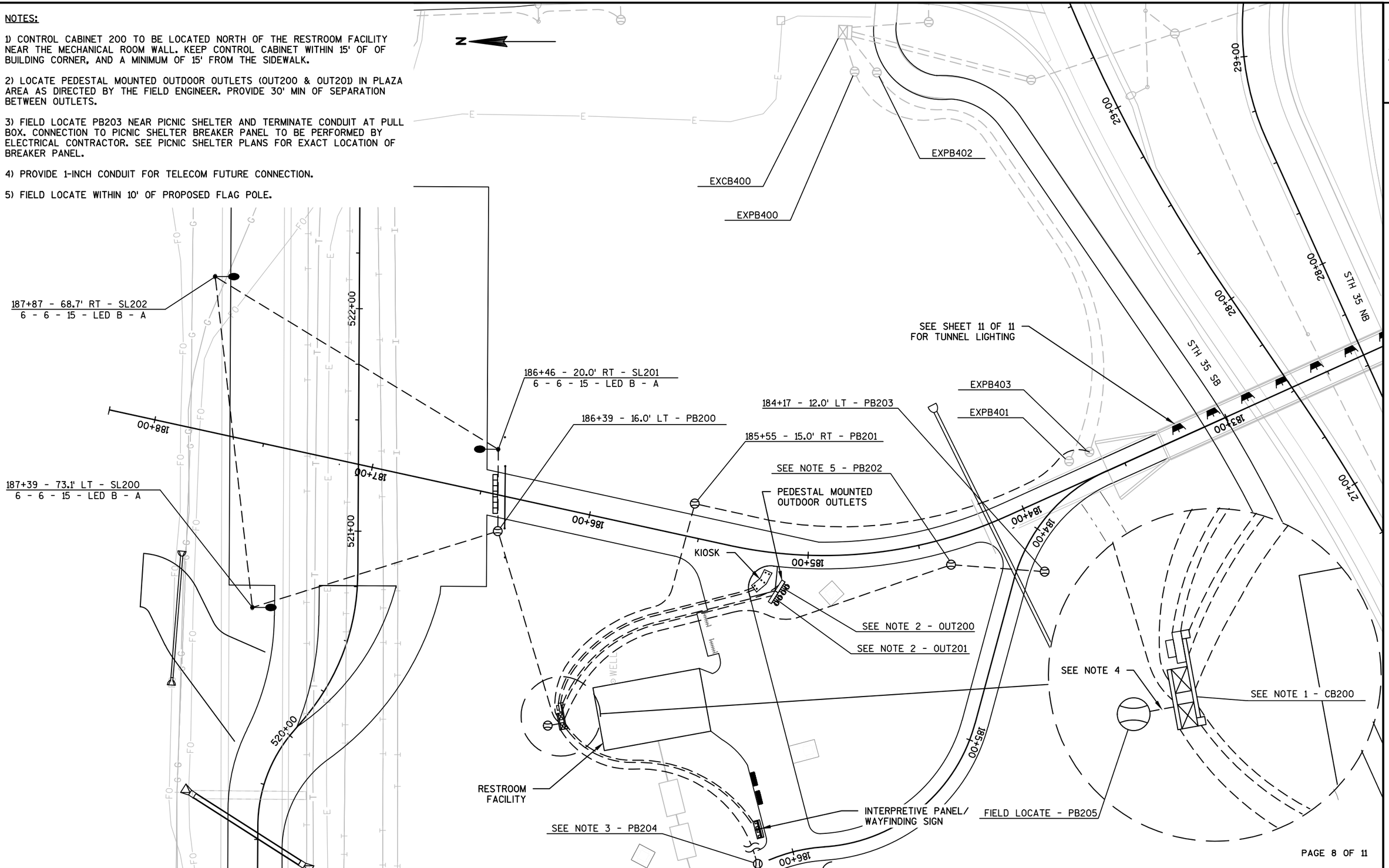
1) CONTROL CABINET 200 TO BE LOCATED NORTH OF THE RESTROOM FACILITY NEAR THE MECHANICAL ROOM WALL. KEEP CONTROL CABINET WITHIN 15' OF OF BUILDING CORNER, AND A MINIMUM OF 15' FROM THE SIDEWALK.

2) LOCATE PEDESTAL MOUNTED OUTDOOR OUTLETS (OUT200 & OUT201) IN PLAZA AREA AS DIRECTED BY THE FIELD ENGINEER. PROVIDE 30' MIN OF SEPARATION BETWEEN OUTLETS.

3) FIELD LOCATE PB203 NEAR PICNIC SHELTER AND TERMINATE CONDUIT AT PULL BOX. CONNECTION TO PICNIC SHELTER BREAKER PANEL TO BE PERFORMED BY ELECTRICAL CONTRACTOR. SEE PICNIC SHELTER PLANS FOR EXACT LOCATION OF BREAKER PANEL.

4) PROVIDE 1-INCH CONDUIT FOR TELECOM FUTURE CONNECTION.

5) FIELD LOCATE WITHIN 10' OF PROPOSED FLAG POLE.



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	LIGHTING PLANS - MAIN TRAILHEAD	SHEET 144	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\023601_LP.DWG PLOT DATE : 1/15/2018 4:14 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
LAYOUT NAME - SHEET - (5)
WISDOT/CADDS SHEET 42

NOTES:

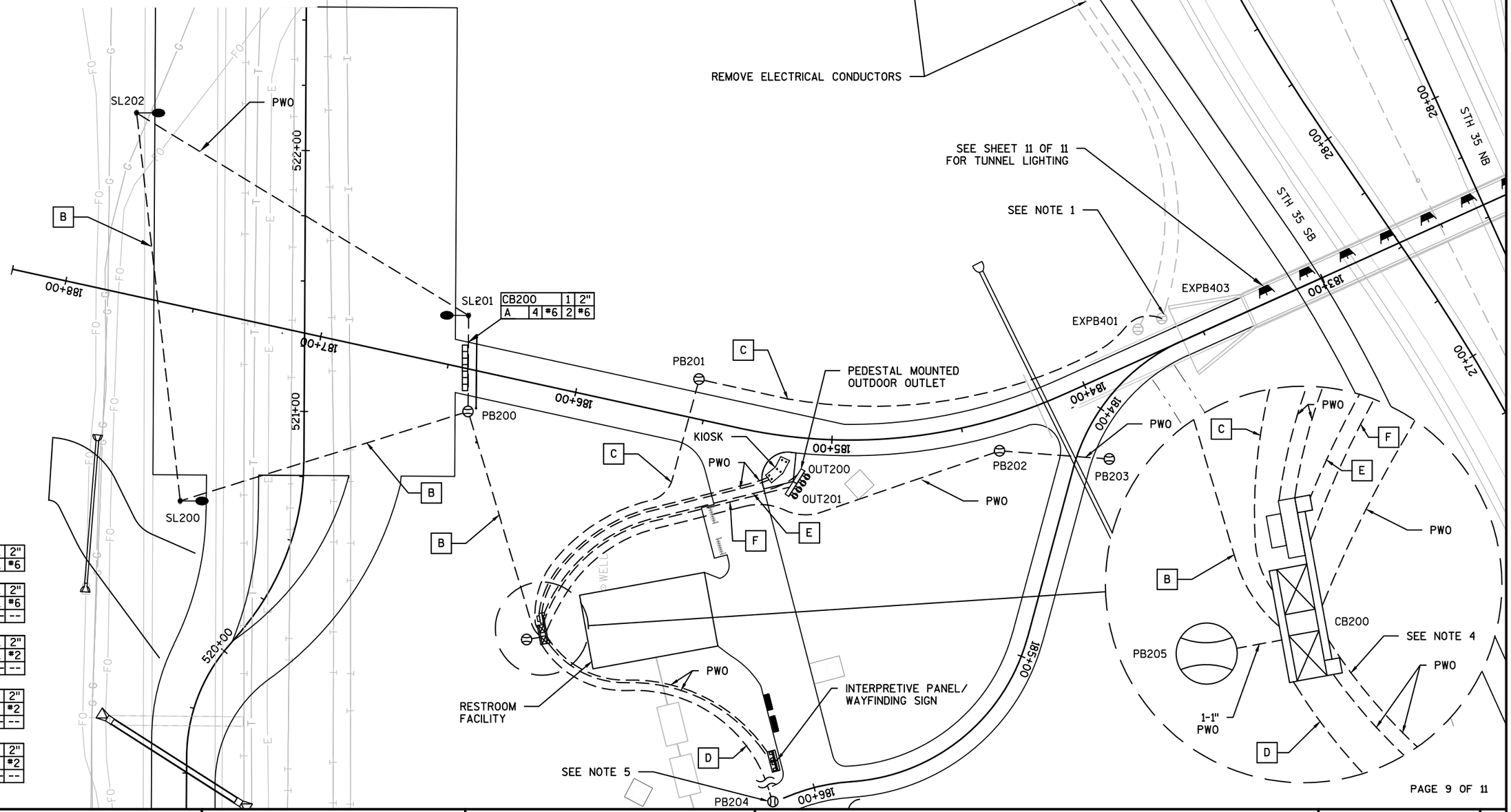
1) PULL NEW CONDUCTORS TO NEAREST SPLICE POINT OF TUNNEL LIGHTING IN ORDER TO CONNECT TO EXISTING CIRCUITRY.

2) CONDUCTORS FOR THE KIOSK AND INTERPRETIVE PANEL TO BE INSTALLED BY OTHERS UPON FUTURE FACILITY INSTALLATIONS.

3) INSTALL TRACER WIRE IN ALL EMPTY CONDUIT. FURNISH, FIELD LOCATE AND INSTALL A LOCATOR POST FOR BOTH COMMUNICATIONS AND ELECTRIC LINES.

4) CONDUIT DESIGNATED FOR TELECOMMUNICATIONS.

5) COIL 50' OF EXTRA WIRE IN PULL BOX FOR CONNECTION TO PICNIC SHELTER



B =

CB200			1	2"
A	2	#6	1	#6

C =

CB200			1	2"
B	2	#6	1	#6
C	2	#6	--	--

D =

CB200			1	2"
D	2	#2	1	#2
NEU	1	#2	--	--

E =

CB200			1	2"
E	2	#2	1	#2
NEU	1	#2	--	--

F =

CB200			1	2"
F	2	#2	1	#2
NEU	1	#2	--	--

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\023601_LP.DWG PLOT DATE : 1/15/2018 4:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
LAYOUT NAME - SHEET - (5)

WISDOT/CADDS SHEET 42

NOTES:

1) LOCATE PEDESTAL MOUNTED OUTDOOR OUTLETS (OUT300 & OUT301) IN PLAZA AREAS AS DIRECTED BY THE FIELD ENGINEER. PROVIDE 30' MIN OF SEPARATION BETWEEN OUTLETS.

2) INSTALL TRACER WIRE IN ALL EMPTY CONDUIT. FURNISH, FIELD LOCATE AND INSTALL A LOCATOR POST FOR BOTH COMMUNICATIONS AND ELECTRIC LINES.

3) CONDUIT DESIGNATED FOR TELECOMMUNICATIONS.

10+52 - 19.0' RT - SL302
6 - 6 - 15 - LED B - A

12+09 - 24.2' LT - SL301
6 - 6 - 15 - LED B - A

11+05 - 38.2' RT - PB304

11+25 - 43.6' RT - PB303

13+54 - 18.8' RT - SL300
6 - 6 - 15 - LED B - A

FIELD LOCATE - PB305

FIELD LOCATE - PB306

FIELD LOCATE - PB307

SEE NOTE 1 - OUT300

SEE NOTE 1 - OUT301

PWO

1-1" PWO
SEE NOTE 3

FIELD LOCATE - PB308

FIELD LOCATE - CB300

PWO
SEE NOTE 3

FIELD LOCATE - PB300

FIELD LOCATE - PB301

FIELD LOCATE - PB302

1080+00

1081+00

1082+00

MAIN STREET

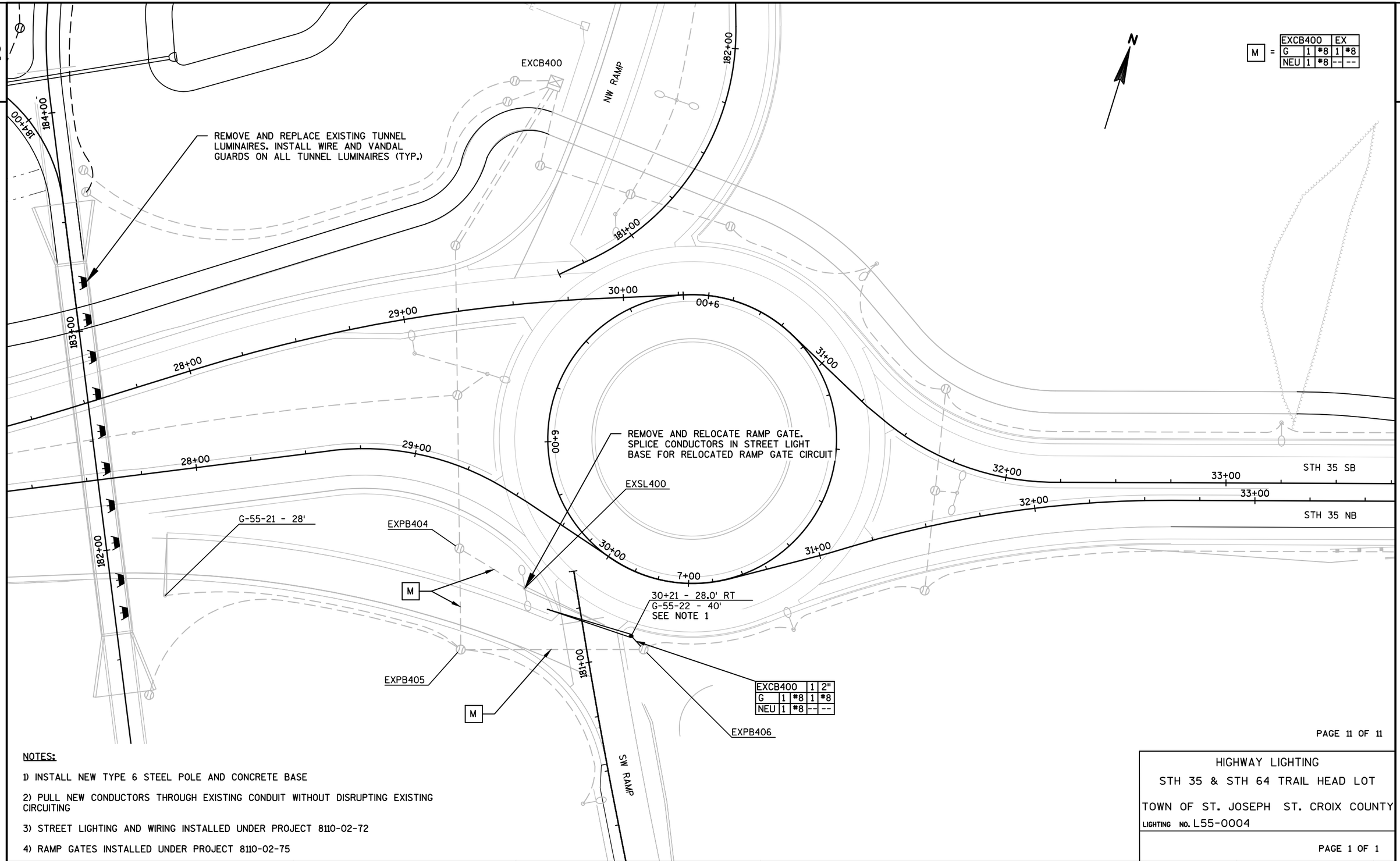
G =	CB300			1	2"
	A	2	#6	1	#6

H =	CB300			1	2"
	B	2	#2	1	#2
	NEU	1	#2	--	--

I =	CB300			1	2"
	C	2	#2	1	#2
	NEU	1	#2	--	--

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	LIGHTING PLANS - HILLTOP TRAILHEAD	SHEET 146 E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\023601_LP.DWG PLOT DATE : 1/15/2018 4:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
LAYOUT NAME - SHEET - (6)
WISDOT/CADDS SHEET 42



NOTES:

1) INSTALL NEW TYPE 6 STEEL POLE AND CONCRETE BASE

2) PULL NEW CONDUCTORS THROUGH EXISTING CONDUIT WITHOUT DISRUPTING EXISTING CIRCUITING

3) STREET LIGHTING AND WIRING INSTALLED UNDER PROJECT 8110-02-72

4) RAMP GATES INSTALLED UNDER PROJECT 8110-02-75

HIGHWAY LIGHTING
STH 35 & STH 64 TRAIL HEAD LOT
TOWN OF ST. JOSEPH ST. CROIX COUNTY
LIGHTING NO. L55-0004

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST CROIX	RAMP GATE PLANS	SHEET 147	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\023601_LP.DWG PLOT DATE : 1/15/2018 4:15 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
LAYOUT NAME - SHEET - (8)
WISDOT/CADDS SHEET 42

2

2

CHURCH STREET

N

2004+00

2005+00

2006+00

2007+00

2008+00

2009+00

2010

MAIN STREET

2010+00.00 MATCH LINE

BEGIN CONSTRUCTION
STA 2004+01.34

R/W

PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH

SEE ADDITIONAL SHEETS FOR PAVEMENT MARKING ON STATE ST/RAINBOW ST/ HOULTON SCHOOL CIRCLE

6+00.00 MATCH LINE

12'

12'

HOULTON SCHOOL CIRCLE

SHARED-USE PATH

7+00

2010+00.00 MATCH LINE

2011+00

2012+00

2013+00

2014+00

2015+00

2016

MAIN STREET

SHARED-USE PATH

2016+00.00 MATCH LINE

R/W

SEE ADDITIONAL SHEETS FOR PAVEMENT MARKING ON HOULTON SCHOOL CIRCLE

HOULTON SCHOOL CIRCLE

501+00

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: MAIN STREET/SHARED USE PATH	SHEET 148	E

2

2

N

SHARED-USE PATH

2016+00.00 MATCH LINE

2017+00

2018+00

2019+00

2020+00

2021+00

2022+00.00 MATCH LINE

MAIN STREET

R/W

PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH

HILLTOP PARKING LOT

SEE ADDITIONAL SHEETS FOR PAVEMENT MARKING ON HILLTOP DRIVE AND HILLTOP PARKING LOT

N

1082+00

SHARED-USE PATH

SHARED-USE PATH

2022+00.00 MATCH LINE

2023+00

2024+00

2025+00

2026+00

2027+00

2028+00.00 MATCH LINE

MAIN STREET

R/W

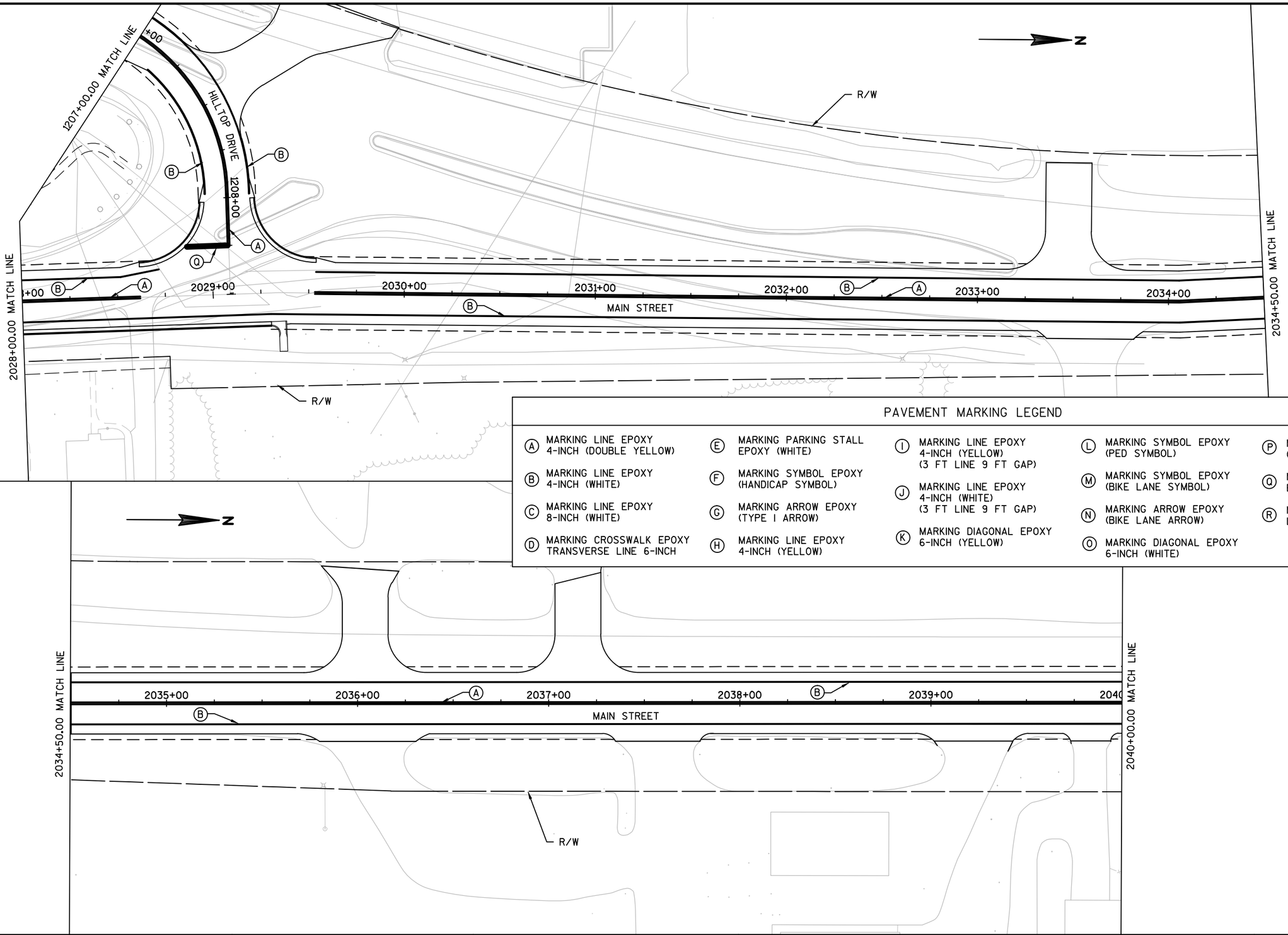
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: MAIN STREET/SHARED USE PATH	SHEET 149 E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING_PATH\C24561208MAIN STREET.DWG PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:50 FT

LAYOUT NAME - MAIN ST 2

WISDOT/CADDS SHEET 42

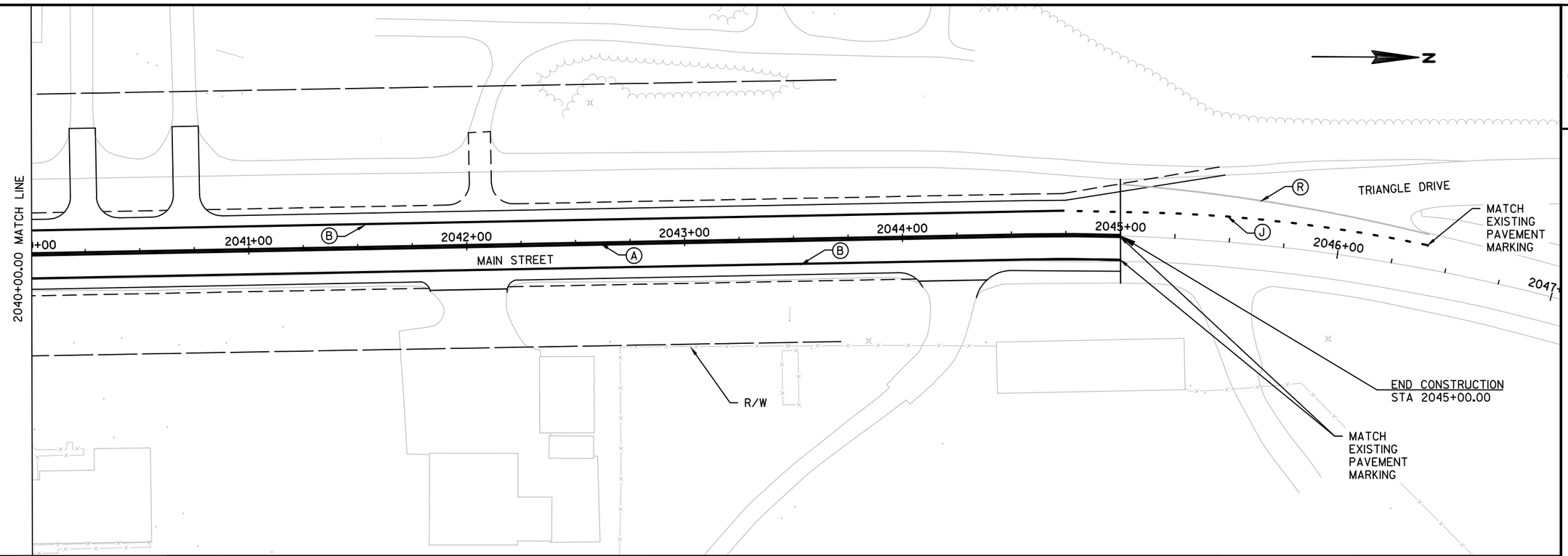
2



PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: MAIN STREET	SHEET 150	E



2

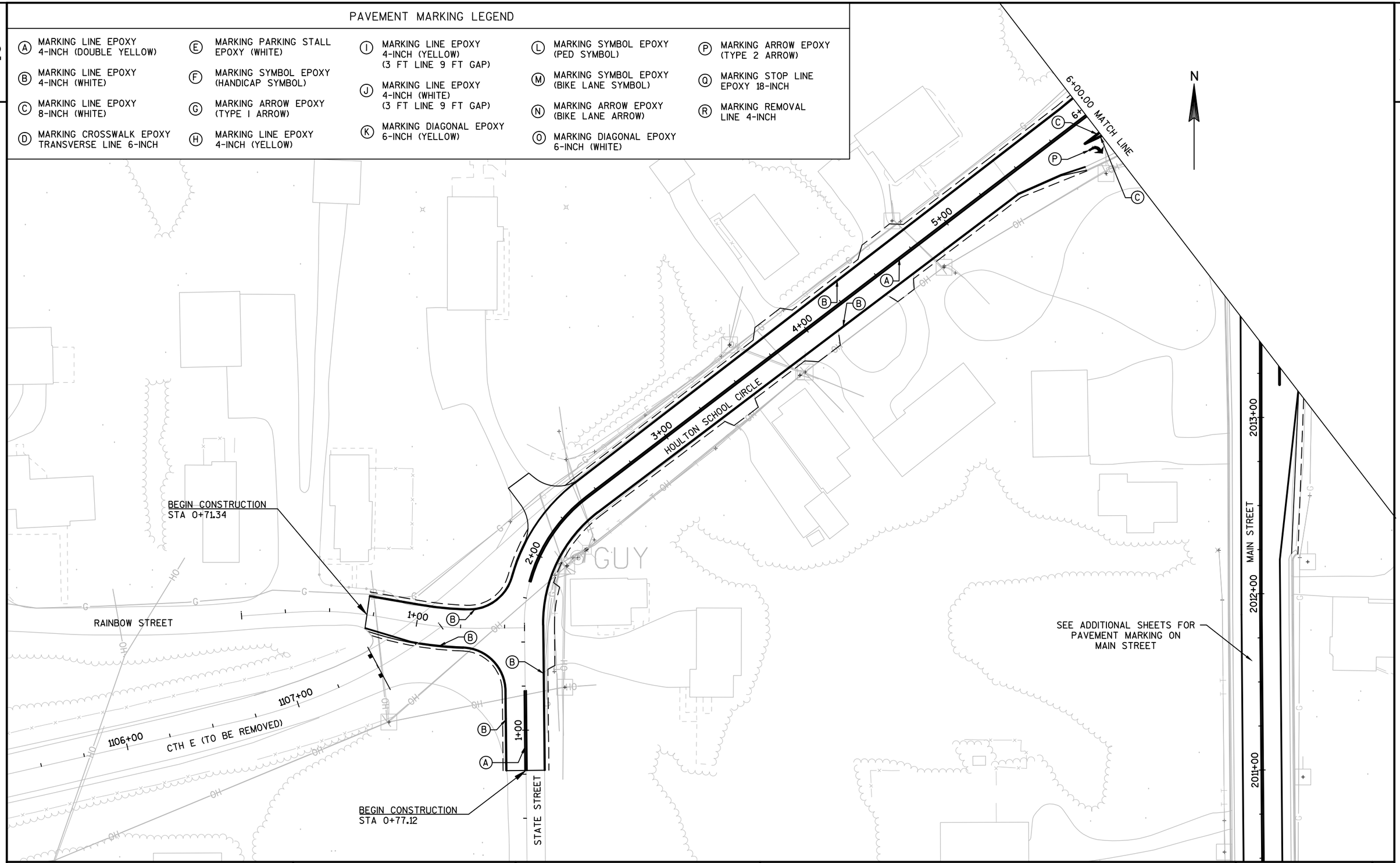
PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: MAIN STREET	SHEET 151	E

PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: STATE ST/RAINBOW ST/HOULTON SCHOOL CIR	SHEET 152 E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLANS\SIGNING AND MARKING_PATH\02452201MSTA04-RAINBOW.DWG PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:50 FT
LAYOUT NAME - Plan_State-Rainbow_01

WISDOT/CADDS SHEET 42

2

SEE ADDITIONAL SHEETS FOR PAVEMENT MARKING ON MAIN STREET

2016+00

MAIN STREET

2015+00

HAGGERTY STREET

SHARED-USE PATH

501+00 502+00 503+00 504+00 505+00 506+00 507+00

HOULTON SCHOOL CIRCLE

507+50.00 MATCH LINE

PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH

507+50.00 MATCH LINE

SHARED-USE PATH

508+00 509+00 510+00 511+00 512+00 513+00 514+00 515

HOULTON SCHOOL CIRCLE

HAWK STREET

515+00.00 MATCH LINE

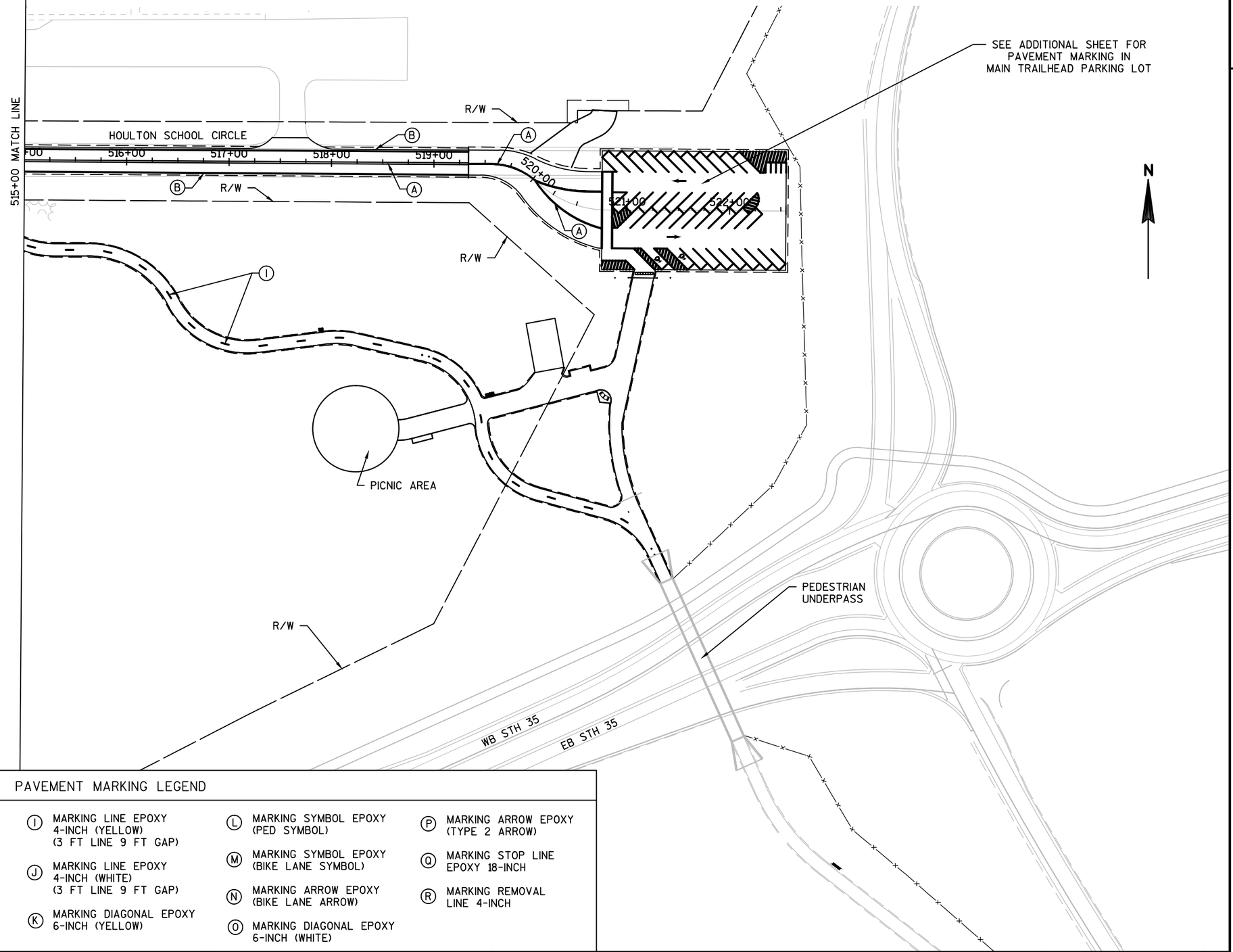
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: HOULTON SCHOOL CIRCLE/SHARED USE PATH	SHEET 153	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING_PATH_C24523208_HOULTON SCHOOL CIRCLE.DWG LAYOUT NAME - PM 1 HOULTON

USER NAME : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: MAIN TRAIL HEAD AREA/SHARED USE PATH	SHEET 154	E

PAVEMENT MARKING LEGEND

(A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	(E) MARKING PARKING STALL EPOXY (WHITE)	(I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)	(L) MARKING SYMBOL EPOXY (PED SYMBOL)	(P) MARKING ARROW EPOXY (TYPE 2 ARROW)
(B) MARKING LINE EPOXY 4-INCH (WHITE)	(F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)	(J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)	(M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)	(Q) MARKING STOP LINE EPOXY 18-INCH
(C) MARKING LINE EPOXY 8-INCH (WHITE)	(G) MARKING ARROW EPOXY (TYPE I ARROW)	(K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)	(N) MARKING ARROW EPOXY (BIKE LANE ARROW)	(R) MARKING REMOVAL LINE 4-INCH
(D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH	(H) MARKING LINE EPOXY 4-INCH (YELLOW)		(O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)	

N

520+00

521+00

522+00

SEE ADDITIONAL SHEETS FOR PAVEMENT MARKING ON HOULTON SCHOOL CIRCLE

SEE PLAN DETAILS - MAIN TRAILHEAD RESTROOM AREA FOR DETAILS NOT SHOWN.

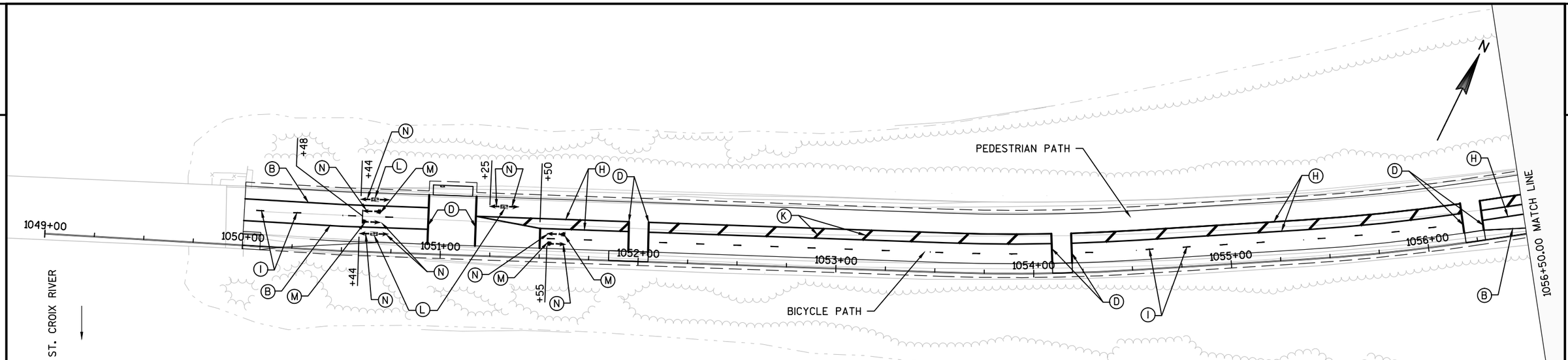
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: MAIN TRAILHEAD PARKING AREA	SHEET 155 E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING PATH\C24523218HOULTONSCHOOL CIRCLE.DWG LAYOUT NAME - PM 2 HOULTON

PLOTTED : 23 JUL 2018 BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

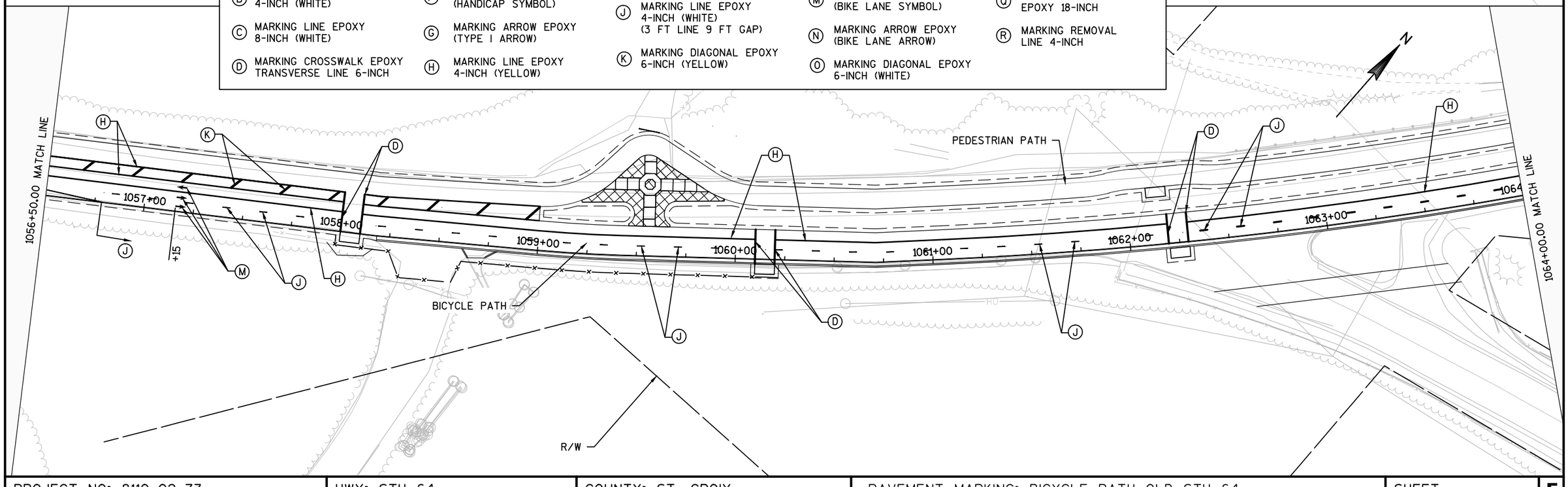
WISDOT/CADDS SHEET 42

2



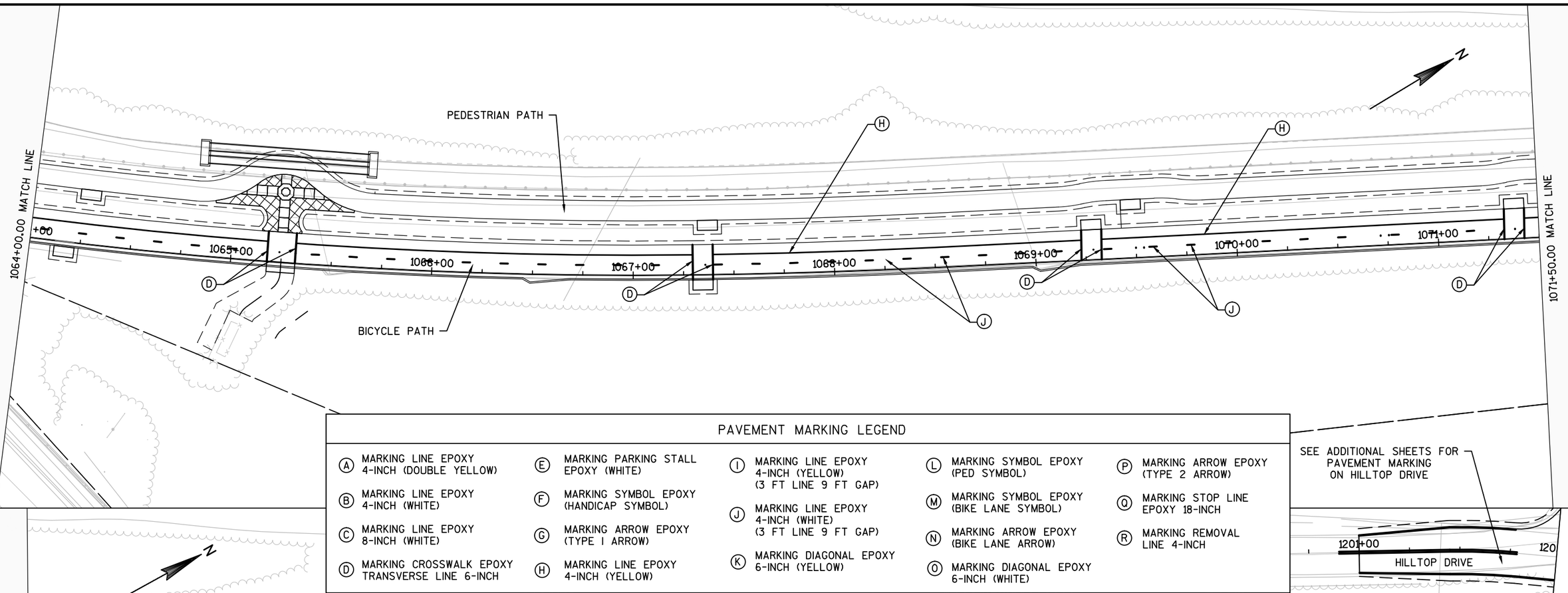
PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: BICYCLE PATH OLD STH 64	SHEET 156	E

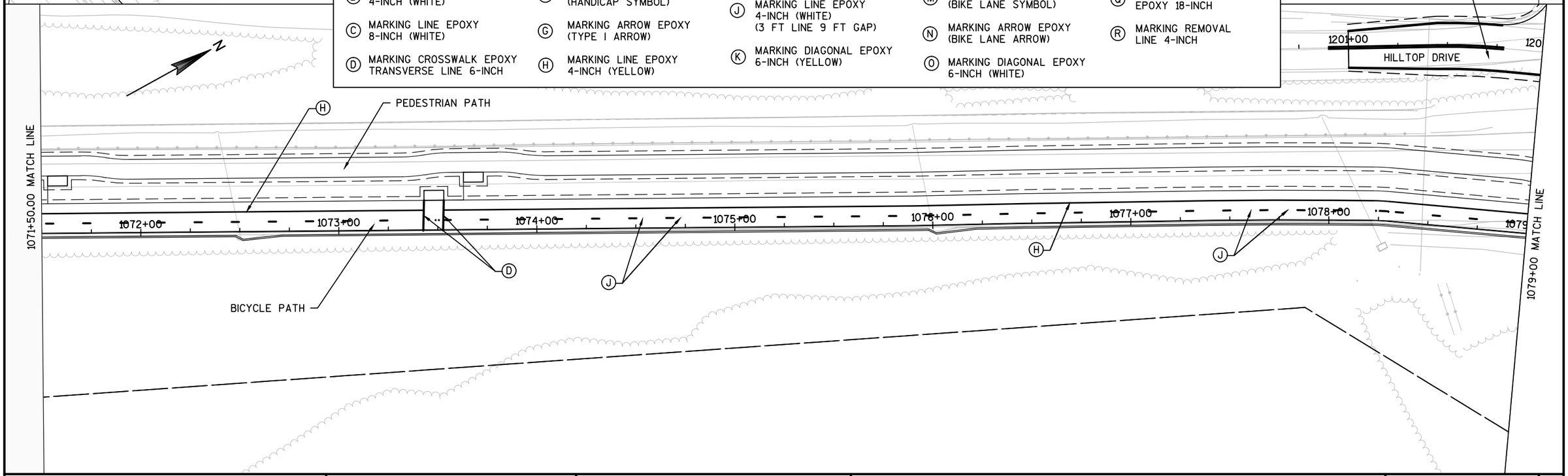
2



PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH

SEE ADDITIONAL SHEETS FOR PAVEMENT MARKING ON HILLTOP DRIVE

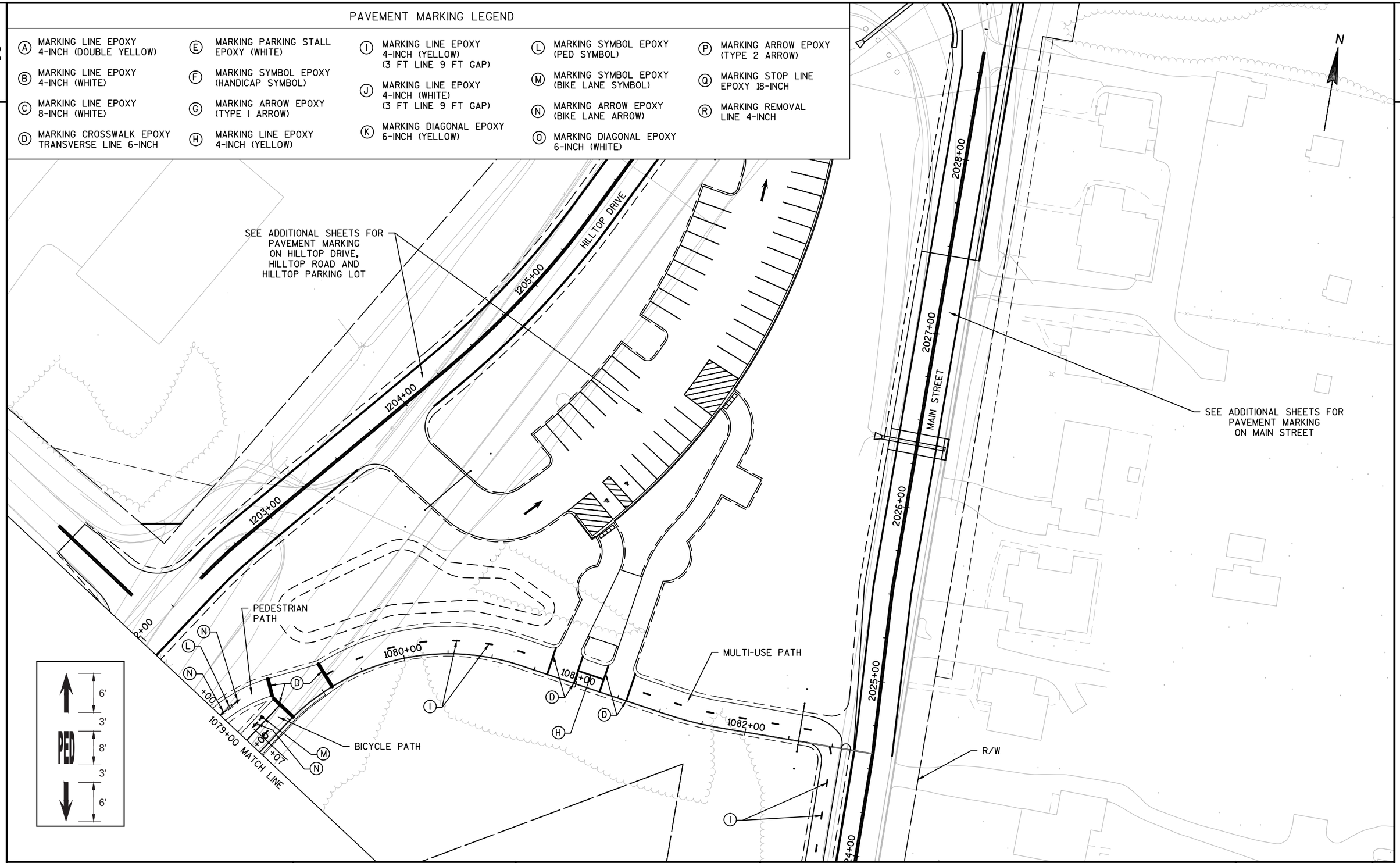


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: BICYCLE PATH OLD STH 64	SHEET 157	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING_PATH_C21542DMSTH064_BIKE-PED PATH.DWG
LAYOUT NAME - PM 2
PLOTTED BY : JENNIFER LAUER
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: BICYCLE PATH OLD STH 64	SHEET 158 E

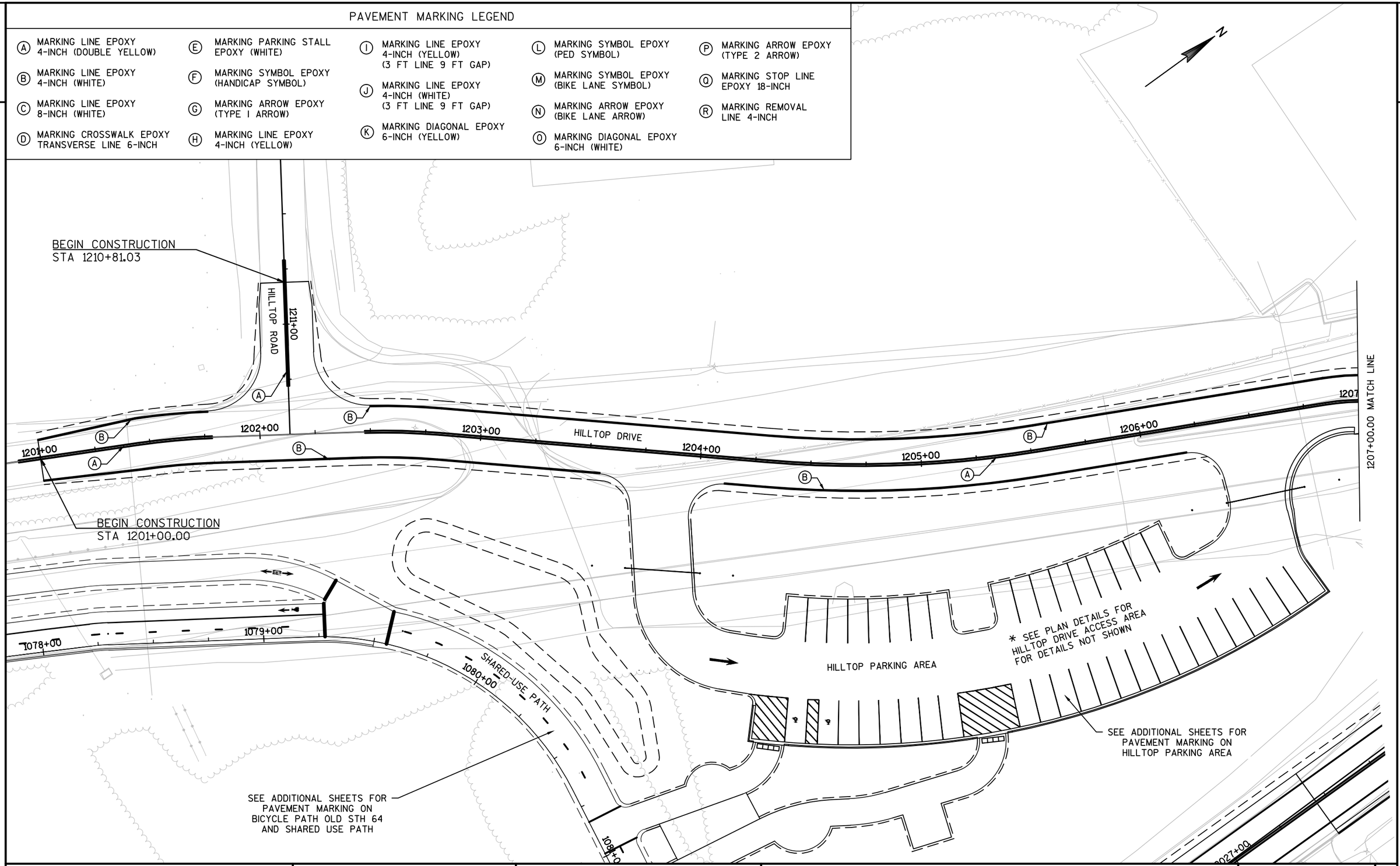
FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING_PATH_C21542DMSTH064_BIKE-PED PATH.DWG
LAYOUT NAME - PM 3
PLOTTED BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH



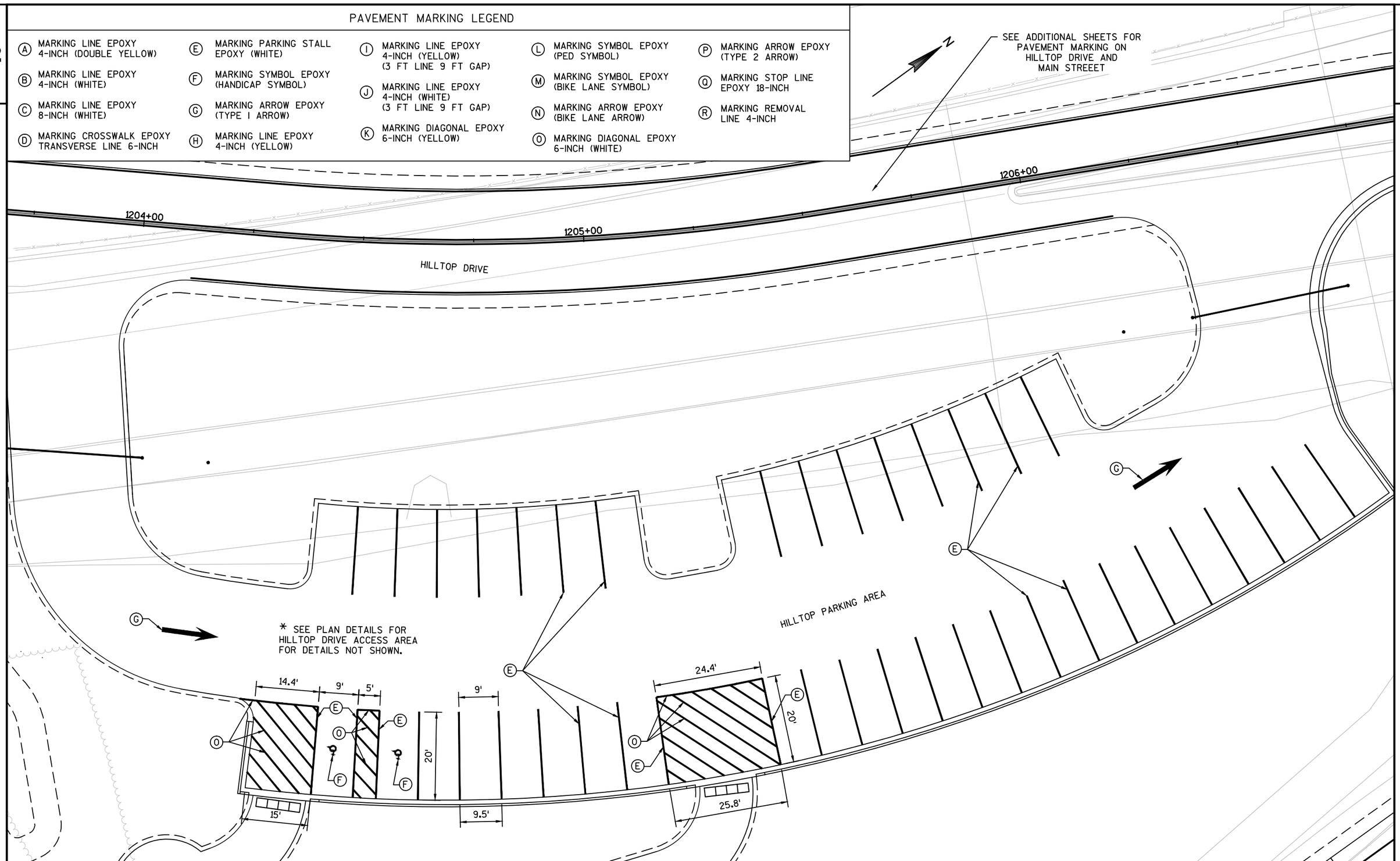
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: HILLTOP DRIVE	SHEET 159 E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING_PATH_C215352M18_HILLTOP.DWG PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT
LAYOUT NAME - PM HILLTOP

WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH



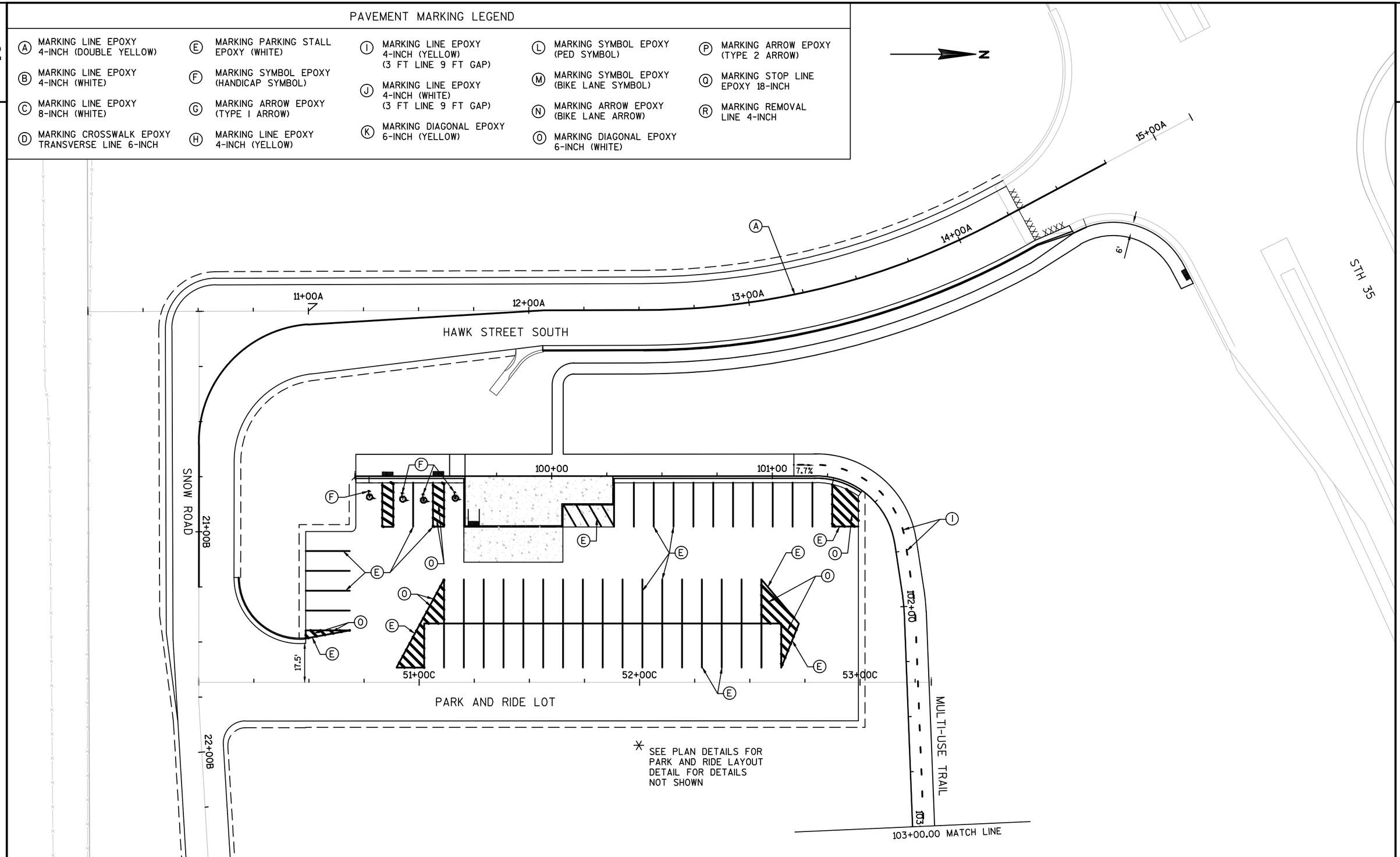
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING: HILLTOP DRIVE	SHEET 160 E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING PATH C2153520M8 HILLTOP DR.DWG PLOT BY : JENNIFER LAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - PM HILLTOP

WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

- (A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
- (B) MARKING LINE EPOXY 4-INCH (WHITE)
- (C) MARKING LINE EPOXY 8-INCH (WHITE)
- (D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
- (E) MARKING PARKING STALL EPOXY (WHITE)
- (F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)
- (G) MARKING ARROW EPOXY (TYPE I ARROW)
- (H) MARKING LINE EPOXY 4-INCH (YELLOW)
- (I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)
- (J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)
- (K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)
- (L) MARKING SYMBOL EPOXY (PED SYMBOL)
- (M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)
- (N) MARKING ARROW EPOXY (BIKE LANE ARROW)
- (O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)
- (P) MARKING ARROW EPOXY (TYPE 2 ARROW)
- (Q) MARKING STOP LINE EPOXY 18-INCH
- (R) MARKING REMOVAL LINE 4-INCH

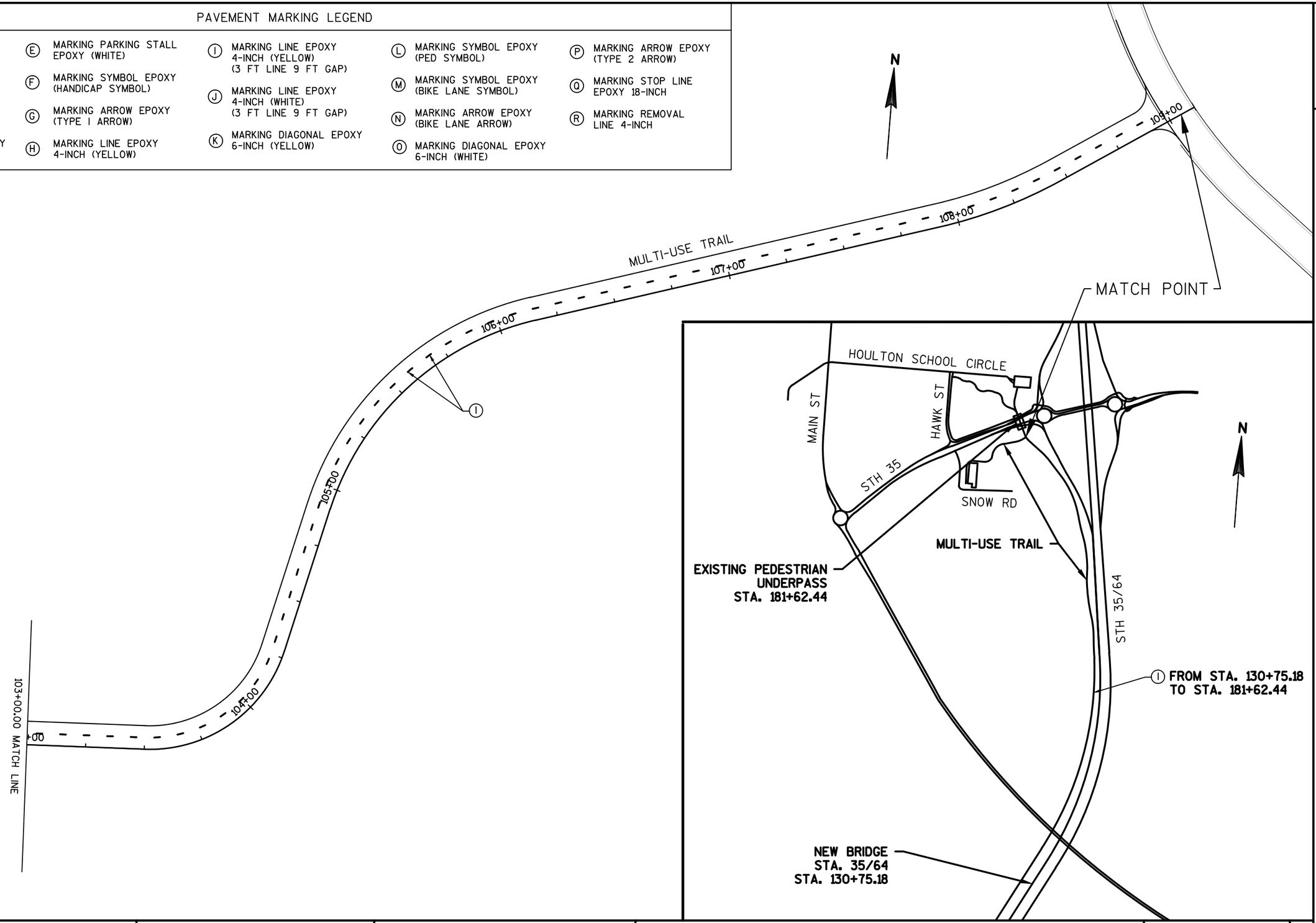


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING - PARK AND RIDE	SHEET 161 E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\SIGNING AND MARKING_PARK AND RIDE.DWG PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
LAYOUT NAME - ID-(1)

PAVEMENT MARKING LEGEND

(A) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	(E) MARKING PARKING STALL EPOXY (WHITE)	(I) MARKING LINE EPOXY 4-INCH (YELLOW) (3 FT LINE 9 FT GAP)	(L) MARKING SYMBOL EPOXY (PED SYMBOL)	(P) MARKING ARROW EPOXY (TYPE 2 ARROW)
(B) MARKING LINE EPOXY 4-INCH (WHITE)	(F) MARKING SYMBOL EPOXY (HANDICAP SYMBOL)	(J) MARKING LINE EPOXY 4-INCH (WHITE) (3 FT LINE 9 FT GAP)	(M) MARKING SYMBOL EPOXY (BIKE LANE SYMBOL)	(Q) MARKING STOP LINE EPOXY 18-INCH
(C) MARKING LINE EPOXY 8-INCH (WHITE)	(G) MARKING ARROW EPOXY (TYPE I ARROW)	(K) MARKING DIAGONAL EPOXY 6-INCH (YELLOW)	(N) MARKING ARROW EPOXY (BIKE LANE ARROW)	(R) MARKING REMOVAL LINE 4-INCH
(D) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH	(H) MARKING LINE EPOXY 4-INCH (YELLOW)		(O) MARKING DIAGONAL EPOXY 6-INCH (WHITE)	

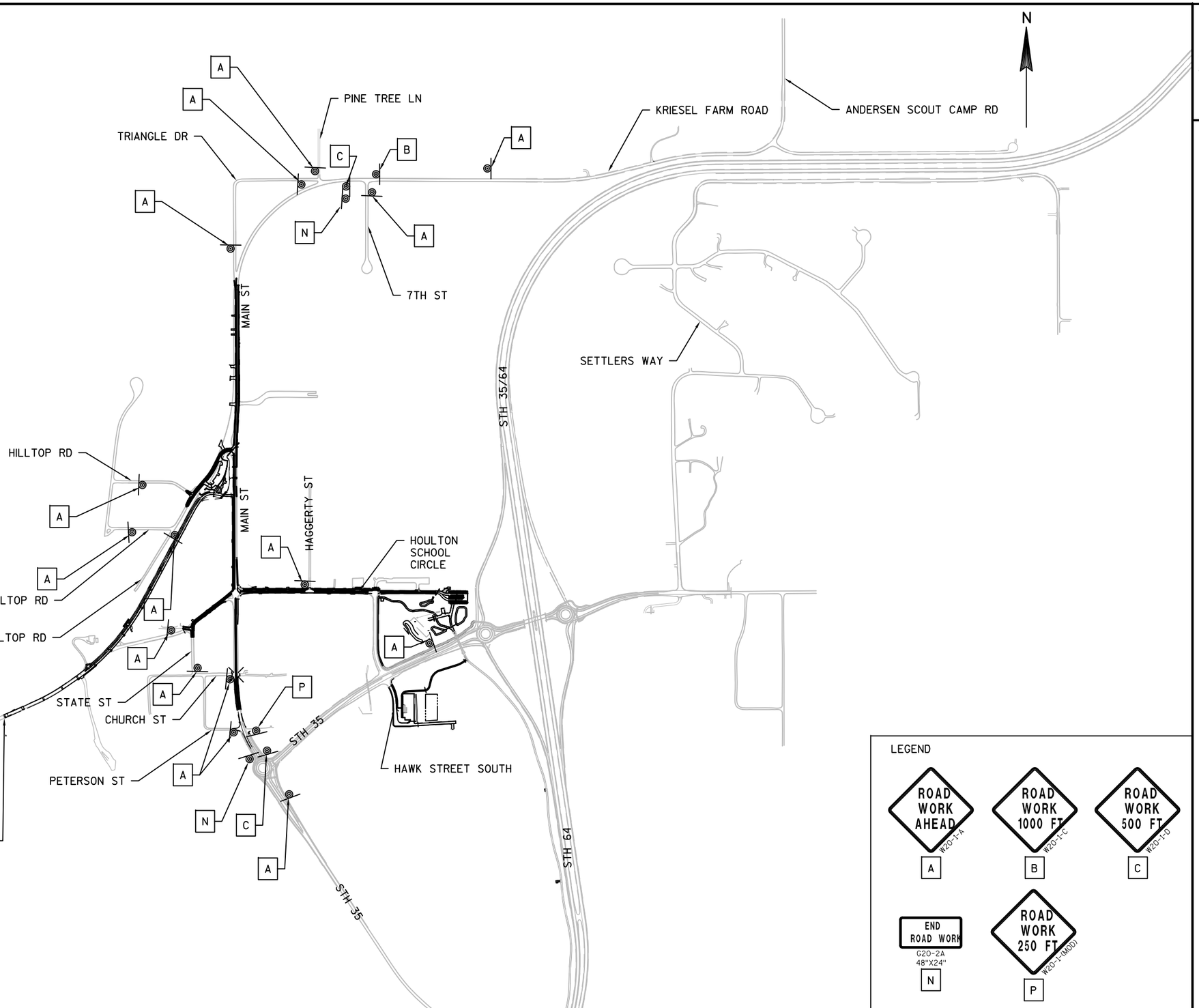


2

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PAVEMENT MARKING - MULTI-USE TRAIL	SHEET 162	E

GENERAL NOTES FOR ALL TRAFFIC CONTROL

- ALL SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER IN ACCORDANCE WITH ALL STANDARD DETAIL DRAWINGS.
- DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTORS METHODS OR SEQUENCE OF OPERATIONS.
- TEMPORARY OR PERMANENT SIGNS WHICH CONFLICT WITH THE STAGED TRAFFIC CONTROL PLAN SHALL BE REMOVED OR COVERED.
- 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.
- EXISTING AND ADVANCED WARNING TRAFFIC SIGNS MAY REQUIRE RELOCATION DURNING STAGES OF CONSTRUCTION AND SHALL BE LOCATED AS REQUIRED BY THE ENGINEER IN THE FIELD. INCIDENTAL TO CONTRACT.
- ROAD MACHINERY, TRUCK ENTRANCE, FLAGMAN AHEAD, ETC., SIGNS SHALL BE USED AS NEEDED AND SHALL BE REMOVED OR COVERED WHEN THE ACTIVITY OR CONDITION DOES NOT EXIST. NO FLASHER SHALL BE USED WITH A COVERED SIGN.
- "W0" SERIES SIGNS ARE "W" SERIES EXCEPT THE BACKGROUND IS ORANGE.
- DETAILS FOR MAINTENANCE OR TRAFFIC THROUGH MINOR INTERSECTIONS ARE NOT SHOWN.
- LOCAL ACCESS SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE NOTED IN THE TRAFFIC CONTROL PLANS.
- SIGNS FOR ADVANCED WARNING OR CONSTRUCTION SHALL BE PLACED IN STAGE 1 OF CONSTRUCTION.
- TEMPORARY MARKING PAINT 4-INCH SHALL BE USED WHERE TEMPORARY MARKINGS ARE PLACED ON PERMANENT PAVEMENT.
- ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36" X 36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.
- ALL W20-1 SIGNS SHALL BE PLACED IN ACCORDANCE WITH SDD 15C4, "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" AND SDD 15C5 "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC", AND AS DIRECTED BY THE ENGINEER.
- DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



LEGEND

PROJECT NO: 8110-02-73	HWY: STH 35/64	COUNTY: ST. CROIX	TRAFFIC CONTROL: ADVANCED WARNING	SHEET	E

2

STAGE 1A CONSTRUCTION OVERVIEW

-PLANT SEEDLINGS AT RIVER BRIDGE ABUTMENT AREA, BLUFF RESTORATION IN THE SPRING OF 2018 AS DIRECTED BY THE ENGINEER TO COMPLY WITH THE ST. CROIX CROSSING BRIDGE ACOE PERMIT
-CONSTRUCT TEMPORARY BYPASS ROAD AT HILLTOP DRIVE AND MAIN STREET
-CONSTRUCT MAIN TRAILHEAD AND PARKING LOT
-COMPLETE REQUIRED MODIFICATIONS TO PEDESTRIAN UNDERPASS

OPTIONAL:
-MILL AND OVERLAY LOCAL ROADWAYS

STAGE 1B CONSTRUCTION OVERVIEW

-CONSTRUCT THE INTERSECTION OF HILLTOP DRIVE AND HILLTOP ROAD
-CONSTRUCT THE ROAD REALIGNMENTS OF HILLTOP DRIVE AND MAIN STREET

OPTIONAL:
-MILL AND OVERLAY LOCAL ROADWAYS

GENERAL NOTES

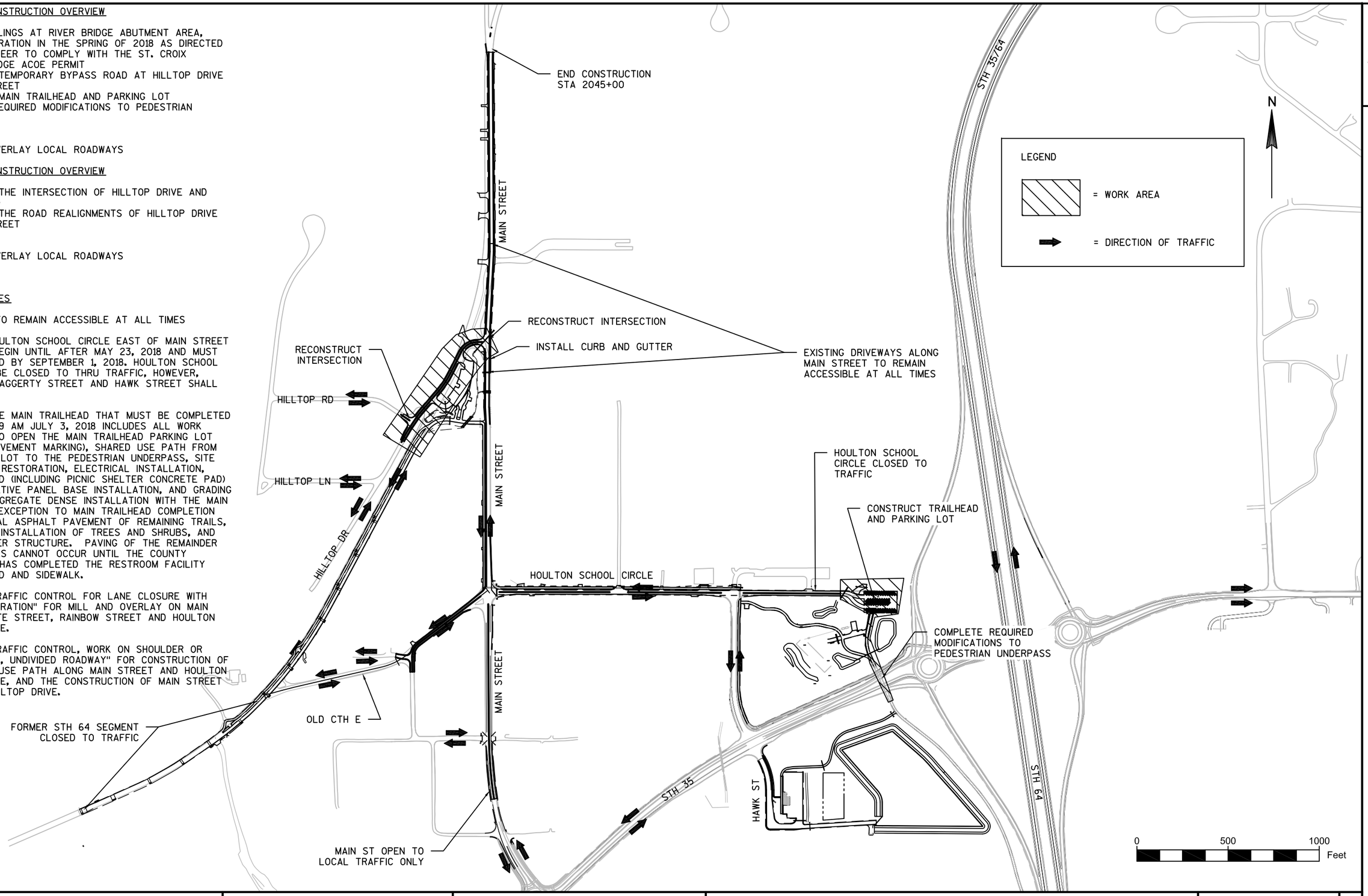
-DRIVEWAYS TO REMAIN ACCESSIBLE AT ALL TIMES

-WORK ON HOULTON SCHOOL CIRCLE EAST OF MAIN STREET SHALL NOT BEGIN UNTIL AFTER MAY 23, 2018 AND MUST BE COMPLETED BY SEPTEMBER 1, 2018. HOULTON SCHOOL CIRCLE MAY BE CLOSED TO THRU TRAFFIC, HOWEVER, ACCESS TO HAGGERTY STREET AND HAWK STREET SHALL REMAIN OPEN.

-WORK AT THE MAIN TRAILHEAD THAT MUST BE COMPLETED PRIOR TO 11:59 AM JULY 3, 2018 INCLUDES ALL WORK NECESSARY TO OPEN THE MAIN TRAILHEAD PARKING LOT (INCLUDING PAVEMENT MARKING), SHARED USE PATH FROM THE PARKING LOT TO THE PEDESTRIAN UNDERPASS, SITE GRADING AND RESTORATION, ELECTRICAL INSTALLATION, CONCRETE PAD (INCLUDING PICNIC SHELTER CONCRETE PAD) AND INTERPRETIVE PANEL BASE INSTALLATION, AND GRADING AND BASE AGGREGATE DENSE INSTALLATION WITH THE MAIN TRAILHEAD. EXCEPTION TO MAIN TRAILHEAD COMPLETION INCLUDES FINAL ASPHALT PAVEMENT OF REMAINING TRAILS, LANDSCAPING INSTALLATION OF TREES AND SHRUBS, AND PICNIC SHELTER STRUCTURE. PAVING OF THE REMAINDER OF THE TRAILS CANNOT OCCUR UNTIL THE COUNTY CONTRACTOR HAS COMPLETED THE RESTROOM FACILITY CONCRETE PAD AND SIDEWALK.

-SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR MILL AND OVERLAY ON MAIN STREET, STATE STREET, RAINBOW STREET AND HOULTON SCHOOL CIRCLE.

-SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR CONSTRUCTION OF THE SHARED USE PATH ALONG MAIN STREET AND HOULTON SCHOOL CIRCLE, AND THE CONSTRUCTION OF MAIN STREET NORTH OF HILLTOP DRIVE.



PROJECT NO: 8110-02-73	HWY: STH 35/64	COUNTY: ST. CROIX	TRAFFIC CONTROL OVERVIEW - STAGE 1	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\026001_TC_OV_S1.DWG PLOT DATE : 1/15/2018 1:09 PM PLOT BY : DAVIS, TERESA L PLOT NAME :

2

STAGE 2 CONSTRUCTION OVERVIEW

-CONSTRUCT HILLTOP TRAILHEAD AND PARKING LOT
-CONSTRUCT OLD STH 64 HILL BICYCLE AND PEDESTRIAN TRAILS
-CONSTRUCT OLD CTH E HILL
-CONSTRUCT HAWK STREET NORTH SHARED USE PATH
-CONSTRUCT THE SHARED USE PATHS ALONG HOULTON SCHOOL CIRCLE AND MAIN STREET
-MILL AND OVERLAY LOCAL ROADWAYS

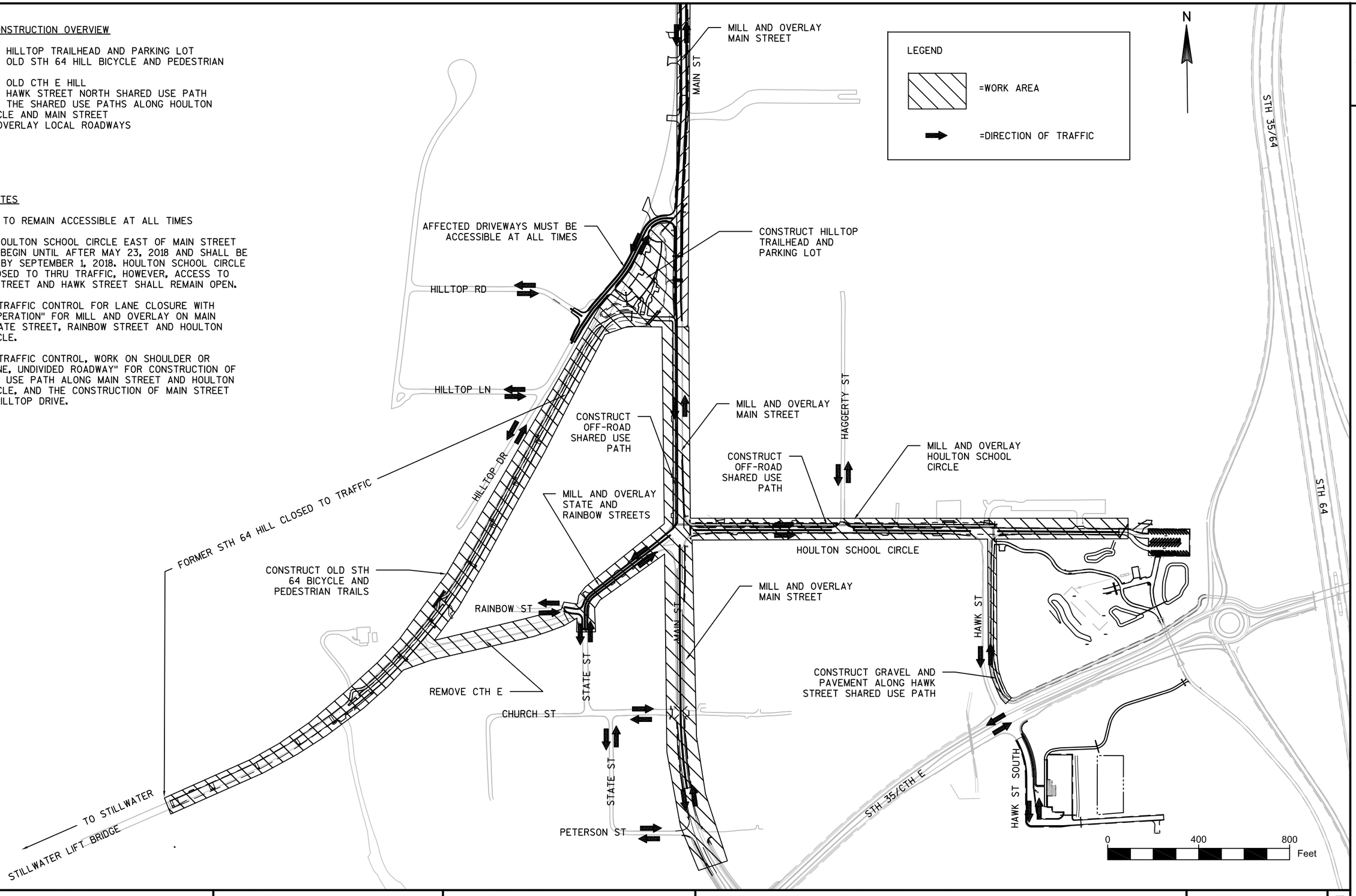
GENERAL NOTES

-DRIVEWAYS TO REMAIN ACCESSIBLE AT ALL TIMES

-WORK ON HOULTON SCHOOL CIRCLE EAST OF MAIN STREET SHALL NOT BEGIN UNTIL AFTER MAY 23, 2018 AND SHALL BE COMPLETED BY SEPTEMBER 1, 2018. HOULTON SCHOOL CIRCLE MAY BE CLOSED TO THRU TRAFFIC, HOWEVER, ACCESS TO HAGGERTY STREET AND HAWK STREET SHALL REMAIN OPEN.

-SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR MILL AND OVERLAY ON MAIN STREET, STATE STREET, RAINBOW STREET AND HOULTON SCHOOL CIRCLE.

-SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR CONSTRUCTION OF THE SHARED USE PATH ALONG MAIN STREET AND HOULTON SCHOOL CIRCLE, AND THE CONSTRUCTION OF MAIN STREET NORTH OF HILLTOP DRIVE.



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	TRAFFIC CONTROL OVERVIEW - STAGE 2	SHEET	E

STAGE 3 CONSTRUCTION OVERVIEW

-COMPLETE CONSTRUCTION OF HAWK STREET SOUTH, SNOW ROAD, THE PARK AND RIDE, AND THE CONNECTING TRAIL
-FINISH ALL MILL AND OVERLAY OPERATIONS

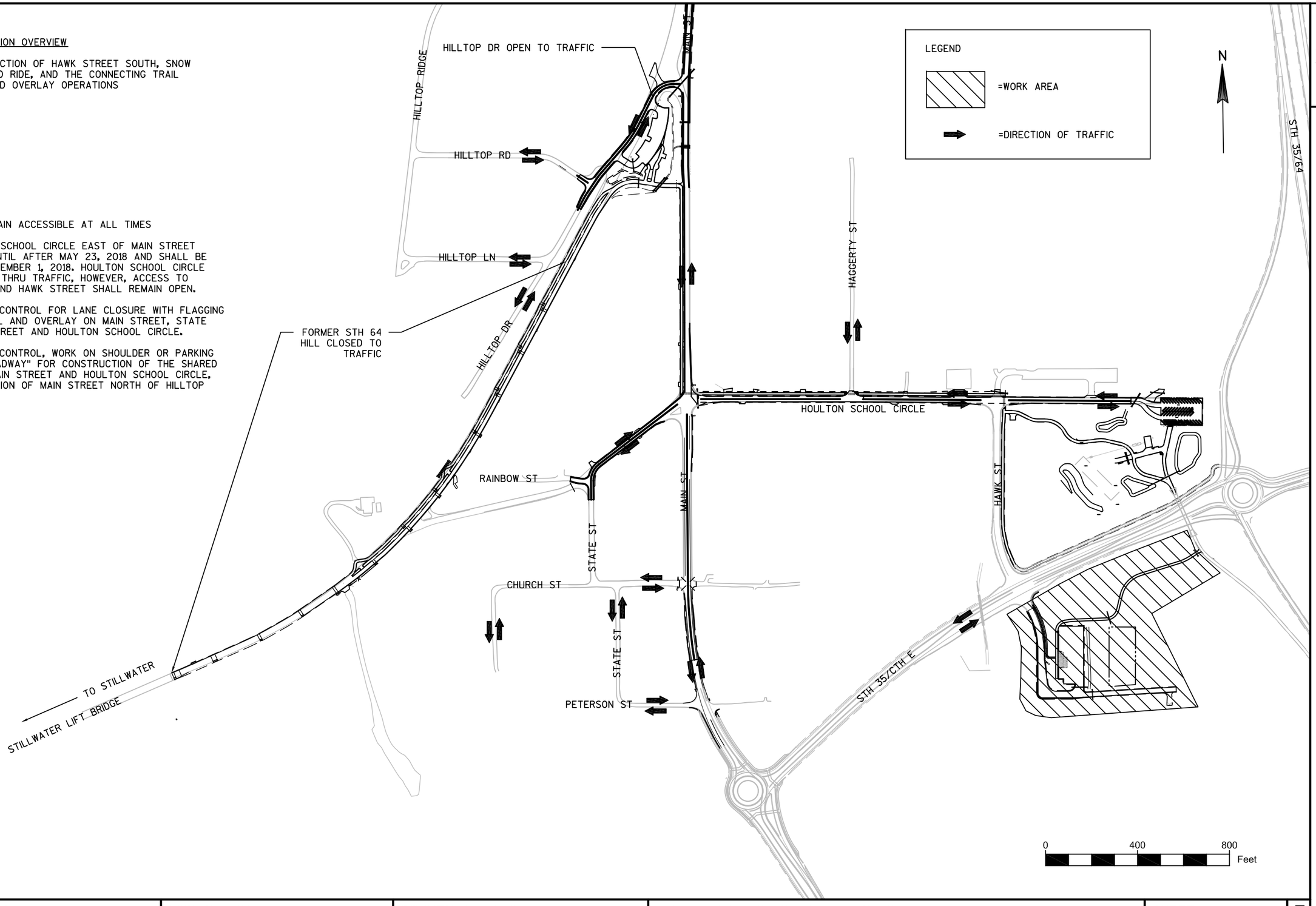
GENERAL NOTES

-DRIVEWAYS TO REMAIN ACCESSIBLE AT ALL TIMES

-WORK ON HOULTON SCHOOL CIRCLE EAST OF MAIN STREET SHALL NOT BEGIN UNTIL AFTER MAY 23, 2018 AND SHALL BE COMPLETED BY SEPTEMBER 1, 2018. HOULTON SCHOOL CIRCLE MAY BE CLOSED TO THRU TRAFFIC, HOWEVER, ACCESS TO HAGGERTY STREET AND HAWK STREET SHALL REMAIN OPEN.

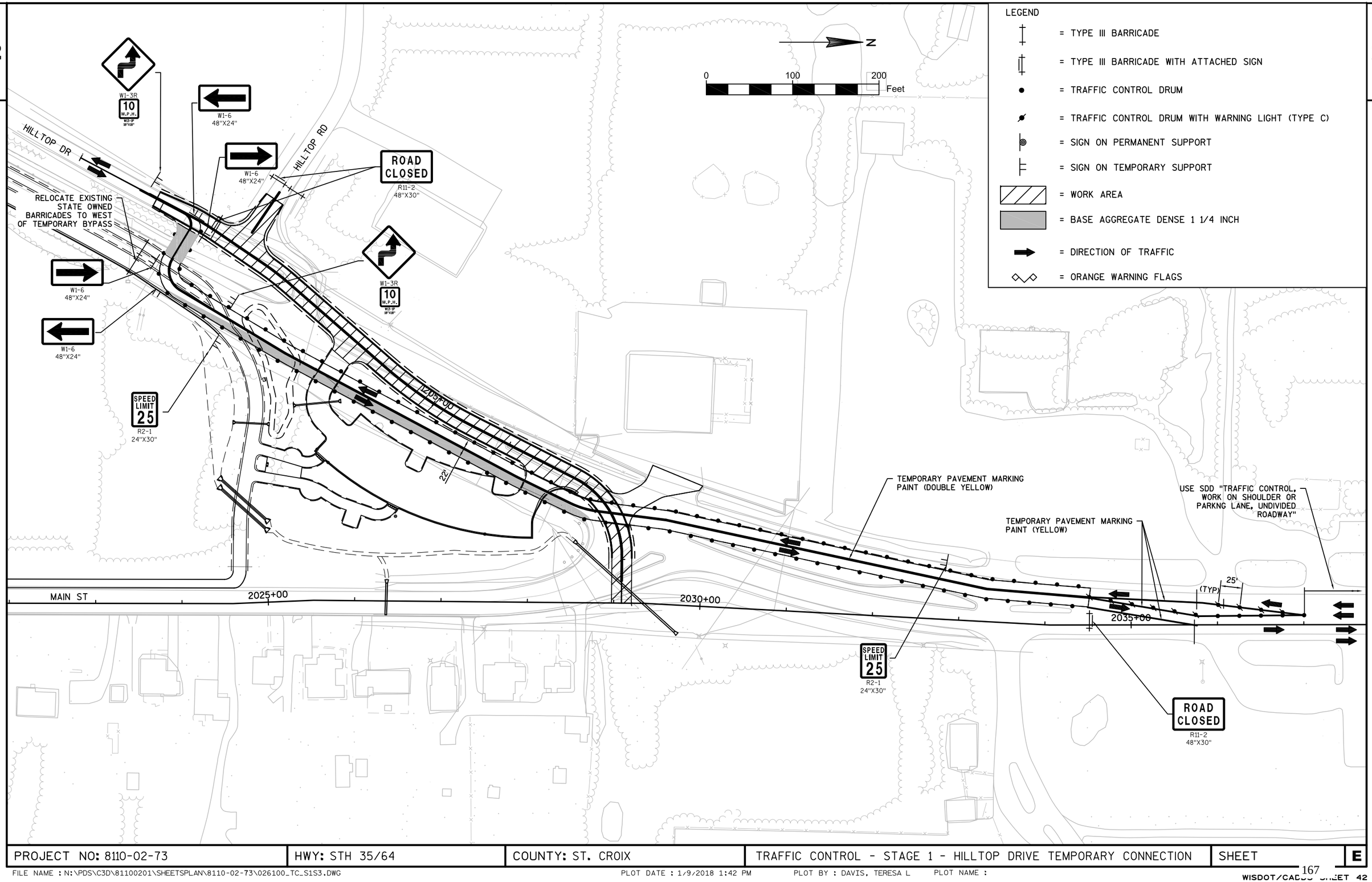
-SEE SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR MILL AND OVERLAY ON MAIN STREET, STATE STREET, RAINBOW STREET AND HOULTON SCHOOL CIRCLE.

-SEE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" FOR CONSTRUCTION OF THE SHARED USE PATH ALONG MAIN STREET AND HOULTON SCHOOL CIRCLE, AND THE CONSTRUCTION OF MAIN STREET NORTH OF HILLTOP DRIVE.



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	TRAFFIC CONTROL OVERVIEW - STAGE 3	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\026002_TC_OV_S2S3.DWG PLOT DATE : 1/15/2018 1:16 PM PLOT BY : DAVIS, TERESA L PLOT NAME :



PROJECT NO: 8110-02-73	HWY: STH 35/64	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 - HILLTOP DRIVE TEMPORARY CONNECTION	SHEET	E

2

N

0 100 200 Feet

LEGEND

= TYPE III BARRICADE

= TYPE III BARRICADE WITH ATTACHED SIGN

= TRAFFIC CONTROL DRUM

= TRAFFIC CONTROL DRUM WITH WARNING LIGHT (TYPE C)

= SIGN ON PERMANENT SUPPORT

= SIGN ON TEMPORARY SUPPORT

= WORK AREA

= BASE AGGREGATE DENSE 1 1/4 INCH

= DIRECTION OF TRAFFIC

= ORANGE WARNING FLAGS

HOULTON ELEMENTARY SCHOOL

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

509+00 510+00 511+00 512+00 513+00 514+00 515+00 516+00 517+00 518+00 519+00 520+00 521+00 522+00

HOULTON SCHOOL CIRCLE

HAWK STREET

SHARED USE PATH

MAIN TRAILHEAD PARKING AREA

PEDESTRIAN UNDERPASS

PROJECT NO: 8110-02-73	HWY: STH 35/64	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 1 - MAIN TRAILHEAD	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\026100_TC_S1S3.DWG PLOT DATE : 1/15/2018 1:20 PM PLOT BY : DAVIS, TERESA L PLOT NAME :

2

2

LEGEND

= TYPE III BARRICADE

= TYPE III BARRICADE WITH ATTACHED SIGN

= TRAFFIC CONTROL DRUM

= TRAFFIC CONTROL DRUM WITH WARNING LIGHT (TYPE C)

= SIGN ON PERMANENT SUPPORT

= SIGN ON TEMPORARY SUPPORT

= WORK AREA

= BASE AGGREGATE DENSE 1 1/4 INCH

= DIRECTION OF TRAFFIC

= ORANGE WARNING FLAGS

HILLTOP DR

HILLTOP RD

ROAD CLOSED
R11-2
48"X30"

ROAD CLOSED
R11-2
48"X30"

2025+00

2030+00

2035+00

MAIN ST

MAIN STREET

22'

25'
(TYP)

USE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKNG LANE, UNDIVIDED ROADWAY"

USE SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKNG LANE, UNDIVIDED ROADWAY"

N

0 100 200 Feet

PROJECT NO: 8110-02-73	HWY: STH 35/64	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 2 - HILLTOP DRIVE	SHEET	E

2

2

LEGEND

= TYPE III BARRICADE

= TYPE III BARRICADE WITH ATTACHED SIGN

= TRAFFIC CONTROL DRUM

= TRAFFIC CONTROL DRUM WITH WARNING LIGHT (TYPE C)

= SIGN ON PERMANENT SUPPORT

= SIGN ON TEMPORARY SUPPORT

= WORK AREA

= BASE AGGREGATE DENSE 1 1/4 INCH

= DIRECTION OF TRAFFIC

= ORANGE WARNING FLAGS

OLD STH 64 MULTI-USE TRAIL

HOULTON SCHOOL CIRCLE

2015+00

HOULTON SCHOOL CIRCLE

MAIN STREET

RAINBOW STREET

ROAD CLOSED
R11-2
48"X30"

STATE STREET

0+00

N

0 100 200 Feet

PROJECT NO: 8110-02-73	HWY: STH 35/64	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 2 - CTH E REMOVAL	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\026102_TC_S2.DWG PLOT DATE : 1/9/2018 1:56 PM PLOT BY : DAVIS, TERESA L PLOT NAME :

2

LEGEND

= TYPE III BARRICADE

= TYPE III BARRICADE WITH ATTACHED SIGN

= TRAFFIC CONTROL DRUM

= TRAFFIC CONTROL DRUM WITH WARNING LIGHT (TYPE C)

= SIGN ON PERMANENT SUPPORT

= SIGN ON TEMPORARY SUPPORT

= WORK AREA

= BASE AGGREGATE DENSE 1 1/4 INCH

= DIRECTION OF TRAFFIC

= ORANGE WARNING FLAGS

HAWK STREET

STH 35

ROAD CLOSED
R11-2
48"X30"

SHARED USE PATH

PARK AND RIDE

HAWK STREET SOUTH

SNOW ROAD

N

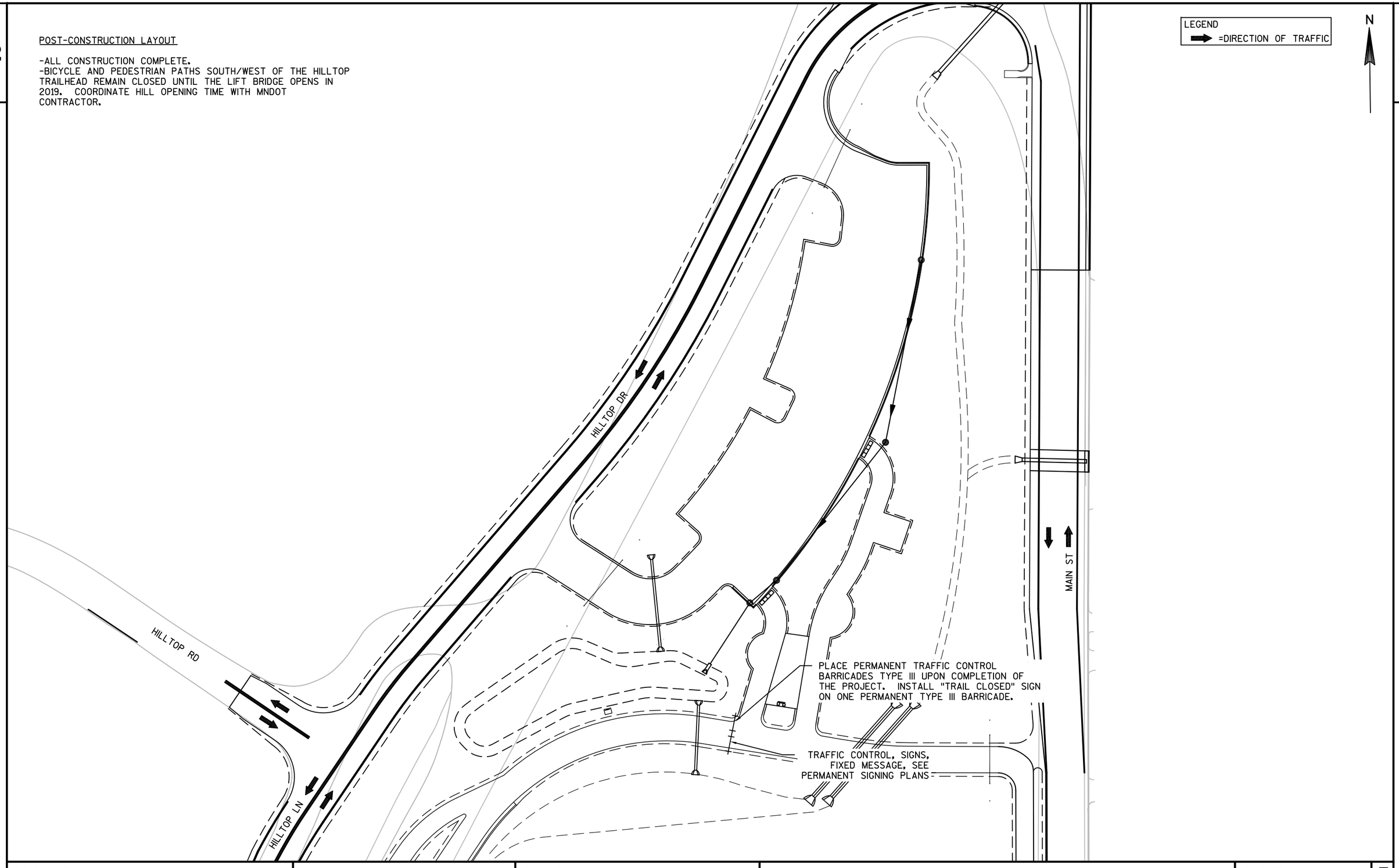
0 100 200 Feet

PROJECT NO: 8110-02-73	HWY: STH 35/64	COUNTY: ST. CROIX	TRAFFIC CONTROL - STAGE 3 - HAWK STREET SOUTH	SHEET E

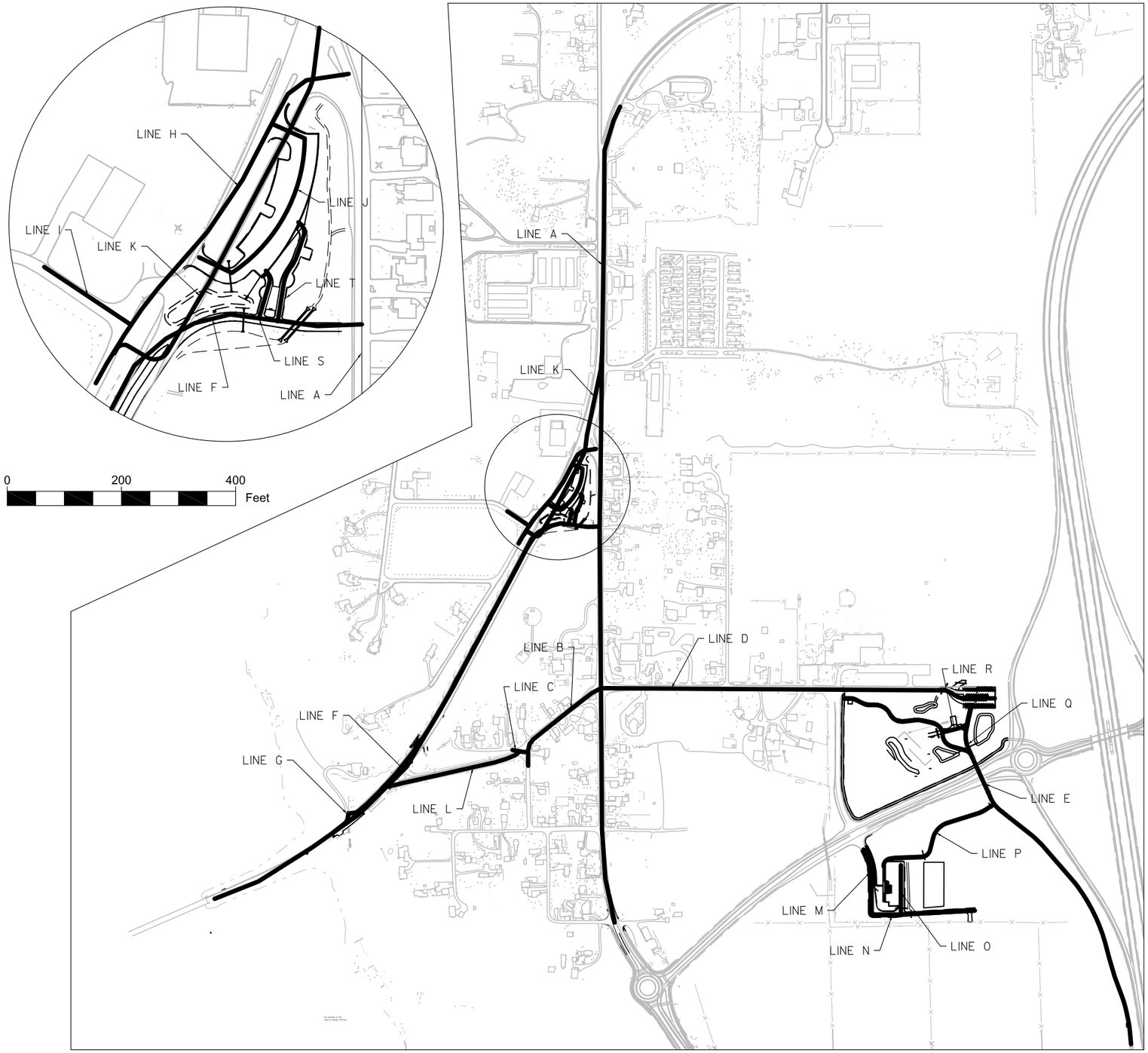
2

POST-CONSTRUCTION LAYOUT

-ALL CONSTRUCTION COMPLETE.
-BICYCLE AND PEDESTRIAN PATHS SOUTH/WEST OF THE HILLTOP TRAILHEAD REMAIN CLOSED UNTIL THE LIFT BRIDGE OPENS IN 2019. COORDINATE HILL OPENING TIME WITH MNDOT CONTRACTOR.



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	TRAFFIC CONTROL OVERVIEW - POST-CONSTRUCTION LAYOUT	SHEET	E



N

LINE	ROAD NAME	BEGIN/END STATION
A	MAIN STREET (OLD STH 35/64)	2007+25.76-2045+00.00
B	STATE STREET/HOULTON SCHOOL CIRCLE	0+77.12-5+42.36
C	RAINBOW STREET	0+71.34-1+61.34
D	HOULTON SCHOOL CIRCLE	500+00.00-519+33.69
E	SHARED USE PATH	
F	OLD STH 64 BIKE/PED PATH	1050+00.00-1082+68.00
G	OLD STH 64 PED PATH	1050+00.00-1082+68.00
H	HILLTOP DRIVE	1201+00.00-1208+50.63
I	HILLTOP ROAD	1210+00.00-1211+50.00
J	HILLTOP PARKING	
K	TEMP BYPASS	
L	OLD CTH E HILL	1100+37.50-1107+50.00
M	HAWK STREET	14+30.16-10+36.79
N	SNOW STREET	20+00.00-25+75.00
O	PARK AND RIDE	
P	PARK AND RIDE SHARED USE PATH	
Q	MAIN PARKING SIDE TRAIL	
R	MAIN PARKING SIDE TRAIL	
S	HILLTOP PARKING SIDE TRAIL	
T	HILLTOP PARKING SIDE TRAIL	

0 650 1300 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	ALIGNMENT DETAILS-OVERVIEW	SHEET	E

Alignment: Line A (Main Street)

Tangent Data

Description	PT Station	Northing	Easting
Start:	2000+00.000	372046.123	502195.696
End:	2002+00.000	372239.042	502142.949

Parameter	Value	Parameter	Value
Length:	200	Course:	N 15° 17' 30.6171" W

Curve Point Data

Description	Station	Northing	Easting
PC:	2002+00.000	372239.042	502142.949
RP:		372744.958	503993.304
PT:	2005+59.285	372592.432	502081.106

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	10° 43' 52.6320"	Type:	RIGHT
Radius:	1918.272		
Length:	359.285	Tangent:	180.17
Mid-Ord:	8.405	External:	8.442
Chord:	358.76	Course:	N 09° 55' 34.3010" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	2005+59.285	372592.432	502081.106
End:	2005+98.113	372631.137	502078.019

Tangent Data

Parameter	Value	Parameter	Value
Length:	38.828	Course:	N 04° 33' 37.9850" W

Curve Point Data

Description	Station	Northing	Easting
PC:	2005+98.113	372631.137	502078.019
RP:		372774.259	503872.319
PT:	2007+25.761	372758.634	502072.387

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	04° 03' 47.3957"	Type:	RIGHT
Radius:	1800		
Length:	127.648	Tangent:	63.851
Mid-Ord:	1.131	External:	1.132
Chord:	127.621	Course:	N 02° 31' 44.2872" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	2007+25.761	372758.634	502072.387
End:	2011+88.179	373221.034	502068.373

Alignment: Line A (Main Street) Continued

Tangent Data

Parameter	Value	Parameter	Value
Length:	462.418	Course:	N 00° 29' 50.5894" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	2011+88.179	373221.034	502068.373
End:	2015+37.933	373570.788	502068.057

Tangent Data

Parameter	Value	Parameter	Value
Length:	349.754	Course:	N 00° 03' 06.2664" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	2015+37.933	373570.788	502068.057
End:	2018+69.907	373902.762	502067.859

Tangent Data

Parameter	Value	Parameter	Value
Length:	331.974	Course:	N 00° 02' 03.0896" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	2018+69.907	373902.762	502067.859
End:	2024+59.193	374492.046	502066.331

Tangent Data

Parameter	Value	Parameter	Value
Length:	589.286	Course:	N 00° 08' 54.8569" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	2024+59.193	374492.046	502066.331
End:	2025+52.405	374585.161	502062.09

Tangent Data

Parameter	Value	Parameter	Value
Length:	93.212	Course:	N 02° 36' 29.0066" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	2025+52.405	374585.161	502062.09
End:	2029+34.322	374967.073	502064.061

Tangent Data

Parameter	Value	Parameter	Value
Length:	381.917	Course:	N 00° 17' 44.6303" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	2029+34.322	374967.073	502064.061
End:	2034+05.762	375437.943	502087.239

Alignment: Line A (Main Street) Continued

Tangent Data

Parameter	Value	Parameter	Value
Length:	471.44	Course:	N 02° 49' 05.0187" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	2034+05.762	375437.943	502087.239
End:	2044+56.649	376488.813	502081.179

Tangent Data

Parameter	Value	Parameter	Value
Length:	1050.887	Course:	N 00° 19' 49.4511" W

Curve Point Data

Description	Station	Northing	Easting
PC:	2044+56.649	376488.813	502081.179
RP:		376494.003	502981.164
PCC:	2047+61.448	376788.109	502130.575

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	19° 24' 14.7804"	Type:	RIGHT
Radius:	900		
Length:	304.799	Tangent:	153.873
Mid-Ord:	12.872	External:	13.059
Chord:	303.344	Course:	N 09° 22' 17.9391" E

Curve Point Data

Description	Station	Northing	Easting
PCC:	2047+61.448	376788.109	502130.575
RP:		376417.45	503202.565
PT:	2061+68.973	377551.707	503205.989

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	71° 05' 57.2821"	Type:	RIGHT
Radius:	1134.262	Superelevation	6.0%
Length:	1407.524	Tangent:	810.545
Mid-Ord:	211.413	External:	259.844
Chord:	1318.938	Course:	N 54° 37' 23.9703" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	2061+68.973	377551.707	503205.989
End:	2080+60.890	377545.996	505097.898

Tangent Data

Parameter	Value	Parameter	Value
Length:	1891.917	Course:	S 89° 49' 37.3886" E

Alignment: Line B (State Street)			
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	0+00.000	373055.484	501652.198
End:	1+59.656	373215.131	501650.49
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	159.656	Course:	N 00° 36' 46.7374" W
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	1+59.656	373215.131	501650.49
RP:		373216.093	501740.485
PT:	2+43.303	373287.627	501685.869
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	53° 15' 04.1708"	Type:	RIGHT
Radius:	90	Superelevation	RC
Length:	83.647	Tangent:	45.119
Mid-Ord:	9.544	External:	10.676
Chord:	80.668	Course:	N 26° 00' 45.3480" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	2+43.303	373287.627	501685.869
End:	5+42.360	373469.109	501923.565
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	299.057	Course:	N 52° 38' 17.4334" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	5+42.360	373469.109	501923.565
End:	7+24.146	373579.425	502068.052
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	181.786	Course:	N 52° 38' 17.4334" E

Alignment: Line C (Rainbow Street)			
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	0+00.000	373220.23	501489.922
End:	0+28.890	373222.33	501518.735
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	28.89	Course:	N 85° 49' 47.9533" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	0+28.890	373222.33	501518.735
RP:		373022.86	501533.278
PT:	0+77.878	373219.9	501567.54
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	14° 02' 02.6082"	Type:	RIGHT
Radius:	200		
Length:	48.988	Tangent:	24.617
Mid-Ord:	1.498	External:	1.509
Chord:	48.866	Course:	S 87° 09' 10.7426" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	0+77.878	373219.9	501567.54
End:	0+99.498	373216.2	501588.841
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	21.621	Course:	S 80° 08' 09.4385" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	0+99.498	373216.2	501588.841
RP:		373413.24	501623.103
PT:	1+36.070	373213.25	501625.243
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	10° 28' 37.2989"	Type:	LEFT
Radius:	200		
Length:	36.572	Tangent:	18.337
Mid-Ord:	0.835	External:	0.839
Chord:	36.521	Course:	S 85° 22' 28.0879" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1+36.070	373213.25	501625.243
End:	1+61.336	373213.52	501650.507
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	25.266	Course:	N 89° 23' 13.2626" E

Alignment - Line D (Houghton School Circle)			
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	500+00.000	373570.787	502066.057
End:	507+70.330	373569.995	502836.387
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	770.33	Course:	S 89° 56' 28.0366" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	507+70.330	373569.995	502836.387
End:	511+98.290	373566.886	503264.335
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	427.96	Course:	S 89° 35' 01.8044" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	511+98.290	373566.886	503264.335
End:	519+56.318	373561.47	504022.344
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	758.028	Course:	S 89° 35' 25.9994" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	519+56.318	373561.47	504022.344
RP:		373496.471	504021.88
PT:	520+01.580	373546.04	504063.927
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	39° 53' 50.6027"	Type:	RIGHT
Radius:	65		
Length:	45.262	Tangent:	23.592
Mid-Ord:	3.9	External:	4.149
Chord:	44.353	Course:	S 69° 38' 30.6980" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	520+01.580	373546.04	504063.927
End:	520+10.488	373540.277	504070.72
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	8.908	Course:	S 49° 41' 35.3966" E

2

Alignment - Line D (Houghton School Circle) Continued			
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	520+10.488	373540.277	504070.72
RP:		373616.537	504135.408
PT:	520+80.282	373516.538	504134.854
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	39° 59' 21.6034"	Type:	LEFT
Radius:	100		
Length:	69.795	Tangent:	36.386
Mid-Ord:	6.028	External:	6.414
Chord:	68.387	Course:	S 69° 41' 16.1983" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	520+80.282	373516.538	504134.854
End:	522+55.044	373515.57	504309.613
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	174.762	Course:	S 89° 40' 57.0000" E

Alignment: Line E (Shared-use Path)			
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	140+72.950	369212.83	505210.252
End:	140+78.165	369217.72	505212.064
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	5.215	Course:	N 20° 20' 02.4136" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	140+78.165	369217.72	505212.064
RP:		369391.47	504743.223
PCC:	142+43.004	369378.86	505243.064
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	18° 53' 20.8921"	Type:	LEFT
Radius:	500		
Length:	164.839	Tangent:	83.174
Mid-Ord:	6.778	External:	6.871
Chord:	164.093	Course:	N 10° 53' 21.9676" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PCC:	142+43.004	369378.86	505243.064
RP:		369366.25	505742.905
PCC:	143+48.116	369482.89	505256.699
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	12° 02' 41.9834"	Type:	RIGHT
Radius:	500		
Length:	105.112	Tangent:	52.751
Mid-Ord:	2.76	External:	2.775
Chord:	104.919	Course:	N 07° 28' 02.5132" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PCC:	143+48.116	369482.89	505256.699
RP:		369999.74	503102.167
PCC:	144+66.137	369598.33	505281.161

Alignment: Line E (Shared-use Path) Continued			
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	03° 03' 07.0196"	Type:	LEFT
Radius:	2215.66		
Length:	118.021	Tangent:	59.024
Mid-Ord:	0.786	External:	0.786
Chord:	118.007	Course:	N 11° 57' 49.9951" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PCC:	144+66.137	369598.33	505281.161
RP:		369779.5	504297.71
PCC:	146+49.611	369780.8	505297.709
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	10° 30' 44.2195"	Type:	LEFT
Radius:	1000		
Length:	183.474	Tangent:	91.995
Mid-Ord:	4.205	External:	4.223
Chord:	183.217	Course:	N 05° 10' 54.3756" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PCC:	146+49.611	369780.8	505297.709
RP:		369784.7	508297.706
PCC:	149+05.639	370036.53	505308.295
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	04° 53' 23.2136"	Type:	RIGHT
Radius:	3000		
Length:	256.028	Tangent:	128.092
Mid-Ord:	2.731	External:	2.733
Chord:	255.951	Course:	N 02° 22' 13.8726" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PCC:	149+05.639	370036.53	505308.295
RP:		370120.48	504311.825
PCC:	152+43.336	370371.42	505279.827

2

Alignment: Line E (Shared-use Path) Continued

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	19° 20' 54.8789"	Type:	LEFT
Radius:	1000		
Length:	337.696	Tangent:	170.471
Mid-Ord:	14.221	External:	14.426
Chord:	336.094	Course:	N 04° 51' 31.9600" W

Curve Point Data

Description	Station	Northing	Easting
PCC:	152+43.336	370371.42	505279.827
RP:		370873.3	507215.833
PCC:	156+30.588	370753.32	505219.435

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	11° 05' 38.2671"	Type:	RIGHT
Radius:	2000		
Length:	387.252	Tangent:	194.233
Mid-Ord:	9.365	External:	9.41
Chord:	386.648	Course:	N 08° 59' 10.2659" W

Curve Point Data

Description	Station	Northing	Easting
PCC:	156+30.588	370753.32	505219.435
RP:		370693.33	504221.236
PCC:	158+72.761	370990.95	505175.92

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	13° 52' 31.8259"	Type:	LEFT
Radius:	1000		
Length:	242.173	Tangent:	121.682
Mid-Ord:	7.322	External:	7.376
Chord:	241.582	Course:	N 10° 22' 37.0454" W

Curve Point Data

Description	Station	Northing	Easting
PCC:	158+72.761	370990.95	505175.92
RP:		371586.19	507085.289
PCC:	164+19.255	371528.3	505086.127

Alignment: Line E (Shared-use Path) Continued

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	15° 39' 21.2270"	Type:	RIGHT
Radius:	2000		
Length:	546.494	Tangent:	274.96
Mid-Ord:	18.637	External:	18.812
Chord:	544.795	Course:	N 09° 29' 12.3448" W

Curve Point Data

Description	Station	Northing	Easting
PCC:	164+19.255	371528.3	505086.127
RP:		371499.35	504086.546
PCC:	167+54.966	371855.98	505020.79

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	19° 14' 05.3594"	Type:	LEFT
Radius:	1000		
Length:	335.711	Tangent:	169.45
Mid-Ord:	14.055	External:	14.255
Chord:	334.137	Course:	N 11° 16' 34.4110" W

Curve Point Data

Description	Station	Northing	Easting
PCC:	167+54.966	371855.98	505020.79
RP:		372569.25	506889.278
PCC:	170+00.512	372090.18	504947.504

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	07° 02' 03.7314"	Type:	RIGHT
Radius:	2000		
Length:	245.546	Tangent:	122.927
Mid-Ord:	3.767	External:	3.774
Chord:	245.392	Course:	N 17° 22' 35.2250" W

Curve Point Data

Description	Station	Northing	Easting
PCC:	170+00.512	372090.18	504947.504
RP:		371850.64	503976.617
PT:	174+78.705	372510.08	504728.368

Alignment: Line E (Shared-use Path) Continued

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	27° 23' 54.3563"	Type:	LEFT
Radius:	1000		
Length:	478.193	Tangent:	243.759
Mid-Ord:	28.448	External:	29.281
Chord:	473.65	Course:	N 27° 33' 30.5375" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	174+78.705	372510.08	504728.368
End:	176+84.285	372664.63	504592.799

Tangent Data

Parameter	Value	Parameter	Value
Length:	205.58	Course:	N 41° 15' 27.7156" W

Curve Point Data

Description	Station	Northing	Easting
PC:	176+84.285	372664.63	504592.799
RP:		372170.04	504028.986
PT:	178+24.150	372760.59	504491.323

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	10° 41' 05.8160"	Type:	LEFT
Radius:	750		
Length:	139.866	Tangent:	70.136
Mid-Ord:	3.258	External:	3.272
Chord:	139.663	Course:	N 46° 36' 00.6236" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	178+24.150	372760.59	504491.323
End:	180+11.483	372876.07	504343.819

Tangent Data

Parameter	Value	Parameter	Value
Length:	187.333	Course:	N 51° 56' 33.5316" W

Curve Point Data

Description	Station	Northing	Easting
PC:	180+11.483	372876.07	504343.819
RP:		373033.55	504467.109
PT:	181+07.975	372951.25	504284.828

2

Alignment: Line E (Shared-use Path) Continued

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	27° 38' 34.1543"	Type:	RIGHT
Radius:	200		
Length:	96.492	Tangent:	49.204
Mid-Ord:	5.791	External:	5.964
Chord:	95.559	Course:	N 38° 07' 16.4545" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	181+07.975	372951.25	504284.828
End:	183+59.133	373180.15	504181.473

Tangent Data

Parameter	Value	Parameter	Value
Length:	251.158	Course:	N 24° 17' 59.3773" W

Curve Point Data

Description	Station	Northing	Easting
PC:	183+59.133	373180.15	504181.473
RP:		373149.29	504113.118
PT:	184+25.377	373221.7	504132.648

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	50° 36' 24.0188"	Type:	LEFT
Radius:	75		
Length:	66.244	Tangent:	35.458
Mid-Ord:	7.196	External:	7.959
Chord:	64.112	Course:	N 49° 36' 11.3867" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	184+25.377	373221.7	504132.648
End:	184+92.327	373239.14	504068.007

Tangent Data

Parameter	Value	Parameter	Value
Length:	66.95	Course:	N 74° 54' 23.3961" W

Curve Point Data

Description	Station	Northing	Easting
PC:	184+92.327	373239.14	504068.007
RP:		373311.55	504087.537
PCC:	185+85.699	373306.87	504012.683

Alignment: Line E (Shared-use Path) Continued

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	71° 19' 50.7840"	Type:	RIGHT
Radius:	75		
Length:	93.372	Tangent:	53.824
Mid-Ord:	14.067	External:	17.315
Chord:	87.458	Course:	N 39° 14' 28.0041" W

Curve Point Data

Description	Station	Northing	Easting
PCC:	185+85.699	373306.87	504012.683
RP:		373302.19	503937.829
PT:	186+82.013	373375.32	503954.503

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	73° 34' 44.3369"	Type:	LEFT
Radius:	75		
Length:	96.315	Tangent:	56.086
Mid-Ord:	14.937	External:	18.652
Chord:	89.832	Course:	N 40° 21' 54.7805" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	186+82.013	373375.32	503954.503
End:	187+47.226	373389.82	503890.922

Tangent Data

Parameter	Value	Parameter	Value
Length:	65.212	Course:	N 77° 09' 16.9490" W

Curve Point Data

Description	Station	Northing	Easting
PC:	187+47.226	373389.82	503890.922
RP:		373298.17	503870.024
PT:	187+79.610	373391.49	503858.742

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	19° 44' 20.4984"	Type:	LEFT
Radius:	94		
Length:	32.384	Tangent:	16.354
Mid-Ord:	1.391	External:	1.412
Chord:	32.224	Course:	N 87° 01' 27.1982" W

Alignment: Line E (Shared-use Path) Continued

Tangent Data

Description	PT Station	Northing	Easting
Start:	187+79.610	373391.49	503858.742
End:	188+45.526	373383.58	503793.302

Tangent Data

Parameter	Value	Parameter	Value
Length:	65.917	Course:	S 83° 06' 22.5526" W

Curve Point Data

Description	Station	Northing	Easting
PC:	188+45.526	373383.58	503793.302
RP:		373463.99	503783.579
PT:	189+41.319	373424.56	503712.828

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	67° 45' 32.7714"	Type:	RIGHT
Radius:	81		
Length:	95.792	Tangent:	54.388
Mid-Ord:	13.753	External:	16.566
Chord:	90.307	Course:	N 63° 00' 51.0617" W

Tangent Data

Description	PT Station	Northing	Easting
Start:	189+41.319	373424.56	503712.828
End:	189+46.922	373429.45	503710.1

Tangent Data

Parameter	Value	Parameter	Value
Length:	5.604	Course:	N 29° 08' 04.6761" W

Curve Point Data

Description	Station	Northing	Easting
PC:	189+46.922	373429.45	503710.1
RP:		373383.68	503627.993
PT:	190+46.778	373477.68	503627.993

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	60° 51' 55.3239"	Type:	LEFT
Radius:	94		
Length:	99.856	Tangent:	55.222
Mid-Ord:	12.951	External:	15.02
Chord:	95.227	Course:	N 59° 34' 02.3380" W

Alignment: Line E (Shared-use Path) Continued			
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	190+46.778	373477.68	503627.993
End:	190+79.952	373477.68	503594.819
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	33.173	Course:	N 90° 00' 00.0000" W
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	190+79.952	373477.68	503594.819
RP:		373557.68	503594.819
PT:	191+16.984	373486.1	503559.096
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	26° 31' 19.8731"	Type:	RIGHT
Radius:	80		
Length:	37.032	Tangent:	18.854
Mid-Ord:	2.133	External:	2.192
Chord:	36.702	Course:	N 76° 44' 20.0635" W
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	191+16.984	373486.1	503559.096
End:	191+61.878	373506.15	503518.926
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	44.894	Course:	N 63° 28' 40.1269" W
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	191+61.878	373506.15	503518.926
RP:		373439.04	503485.435
PT:	191+96.169	373514.04	503485.862
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	26° 11' 47.1833"	Type:	LEFT
Radius:	75		
Length:	34.291	Tangent:	17.451
Mid-Ord:	1.951	External:	2.003
Chord:	33.993	Course:	N 76° 34' 33.7186" W

Alignment: Line E (Shared-use Path) Continued			
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	191+96.169	373514.04	503485.862
End:	192+72.950	373514.48	503409.082
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	76.781	Course:	N 89° 40' 27.3102" W

Alignment - Line F (Old STH 64 Bike PED Path)			
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1048+99.890	372312.044	499746.247
End:	1050+49.890	372369.969	499884.612
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	150	Course:	N 67° 17' 02.1622" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1050+49.890	372369.969	499884.612
End:	1053+54.797	372494.104	500163.106
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	304.907	Course:	N 65° 58' 32.8146" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	1053+54.797	372494.104	500163.106
RP:		373407.477	499755.983
PT:	1054+52.523	372538.185	500250.281
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	05° 35' 57.3301"	Type:	LEFT
Radius:	1000		
Length:	97.725	Tangent:	48.902
Mid-Ord:	1.194	External:	1.195
Chord:	97.687	Course:	N 63° 10' 34.1496" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1054+52.523	372538.185	500250.281
End:	1055+37.175	372580.028	500323.869

Alignment - Line F (Old STH 64 Bike PED Path) Continued			
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	84.652	Course:	N 60° 22' 35.4845" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	1055+37.175	372580.028	500323.869
RP:		373449.32	499829.57
PT:	1056+25.088	372626.784	500398.284
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	05° 02' 13.4033"	Type:	LEFT
Radius:	1000		
Length:	87.913	Tangent:	43.985
Mid-Ord:	0.966	External:	0.967
Chord:	87.885	Course:	N 57° 51' 28.7829" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1056+25.088	372626.784	500398.284
End:	1058+17.610	372736.274	500556.64
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	192.522	Course:	N 55° 20' 22.0813" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1058+17.610	372736.274	500556.64
End:	1059+00.066	372785.274	500622.957
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	82.456	Course:	N 53° 32' 24.9548" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	1059+00.066	372785.274	500622.957
RP:		373332.182	500218.862
PT:	1059+42.314	372811.419	500656.134
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	03° 33' 34.8884"	Type:	LEFT
Radius:	680.001		
Length:	42.247	Tangent:	21.13
Mid-Ord:	0.328	External:	0.328
Chord:	42.241	Course:	N 51° 45' 37.5106" E

Alignment - Line F (Old STH 64 Bike PED Path) Continued

Tangent Data

Description	PT Station	Northing	Easting
Start:	1059+42.314	372811.419	500656.134
End:	1060+71.139	372894.266	500754.788

Tangent Data

Parameter	Value	Parameter	Value
Length:	128.826	Course:	N 49° 58' 38.2691" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1060+71.139	372894.266	500754.788
End:	1061+04.902	372917.797	500778.999

Tangent Data

Parameter	Value	Parameter	Value
Length:	33.763	Course:	N 45° 49' 00.0730" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1061+04.902	372917.797	500778.999
RP:		374540.239	499202.162
PT:	1065+37.752	373247.24	501058.741

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	10° 57' 42.1823"	Type:	LEFT
Radius:	2262.462		
Length:	432.85	Tangent:	217.087
Mid-Ord:	10.344	External:	10.391
Chord:	432.19	Course:	N 40° 20' 08.9818" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1065+37.752	373247.24	501058.741
End:	1065+42.326	373250.993	501061.355

Tangent Data

Parameter	Value	Parameter	Value
Length:	4.574	Course:	N 34° 51' 17.8907" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1065+42.326	373250.993	501061.355
RP:		374614.585	499103.415
PT:	1067+27.095	373406.55	501160.978

Alignment - Line F (Old STH 64 Bike PED Path) Continued

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	04° 26' 13.0361"	Type:	LEFT
Radius:	2385.983		
Length:	184.769	Tangent:	92.431
Mid-Ord:	1.788	External:	1.79
Chord:	184.723	Course:	N 32° 38' 11.3726" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1067+27.095	373406.55	501160.978
End:	1067+27.836	373407.189	501161.353

Tangent Data

Parameter	Value	Parameter	Value
Length:	0.741	Course:	N 30° 25' 04.8546" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1067+27.836	373407.189	501161.353
RP:		375044.722	498372.256
PT:	1068+50.055	373513.729	501221.227

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	02° 09' 54.4582"	Type:	LEFT
Radius:	3234.281		
Length:	122.219	Tangent:	61.117
Mid-Ord:	0.577	External:	0.577
Chord:	122.212	Course:	N 29° 20' 07.6255" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1068+50.055	373513.729	501221.227
End:	1069+71.990	373621.137	501278.947

Tangent Data

Parameter	Value	Parameter	Value
Length:	121.935	Course:	N 28° 15' 10.3964" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1069+71.990	373621.137	501278.947
RP:		375931.471	496979.728
PT:	1069+78.774	373627.115	501282.154

Alignment - Line F (Old STH 64 Bike PED Path) Continued

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	00° 04' 46.6984"	Type:	LEFT
Radius:	4880.668		
Length:	6.784	Tangent:	3.392
Mid-Ord:	0.001	External:	0.001
Chord:	6.784	Course:	N 28° 12' 47.0472" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1069+78.774	373627.115	501282.154
End:	1075+90.595	374166.45	501571.019

Tangent Data

Parameter	Value	Parameter	Value
Length:	611.821	Course:	N 28° 10' 23.6980" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1075+90.595	374166.45	501571.019
End:	1076+47.320	374216.772	501597.2

Tangent Data

Parameter	Value	Parameter	Value
Length:	56.725	Course:	N 27° 29' 11.3595" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1076+47.320	374216.772	501597.2
RP:		374018.957	501977.418
PT:	1076+49.826	374218.992	501598.363

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	00° 20' 06.0054"	Type:	RIGHT
Radius:	428.598		
Length:	2.506	Tangent:	1.253
Mid-Ord:	0.002	External:	0.002
Chord:	2.506	Course:	N 27° 39' 14.3622" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1076+49.826	374218.992	501598.363
End:	1077+41.125	374299.738	501640.974

Tangent Data

Parameter	Value	Parameter	Value
Length:	91.299	Course:	N 27° 49' 17.3649" E

Alignment - Line F (Old STH 64 Bike PED Path) Continued

Curve Point Data

Description	Station	Northing	Easting
PC:	1077+41.125	374299.738	501640.974
RP:		373090.787	503931.869
PT:	1078+02.765	374353.905	501670.388

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	01° 21' 48.3397"	Type:	RIGHT
Radius:	2590.321		
Length:	61.64	Tangent:	30.821
Mid-Ord:	0.183	External:	0.183
Chord:	61.639	Course:	N 28° 30' 11.5348" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1078+02.765	374353.905	501670.388
End:	1078+22.212	374370.883	501679.871

Tangent Data

Parameter	Value	Parameter	Value
Length:	19.447	Course:	N 29° 11' 05.7046" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1078+22.212	374370.883	501679.871
RP:		374325.643	501760.868
PT:	1078+29.653	374377.227	501683.756

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	04° 35' 42.8678"	Type:	RIGHT
Radius:	92.775		
Length:	7.441	Tangent:	3.722
Mid-Ord:	0.075	External:	0.075
Chord:	7.439	Course:	N 31° 28' 57.1385" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1078+29.653	374377.227	501683.756
End:	1079+21.834	374453.846	501735.009

Tangent Data

Parameter	Value	Parameter	Value
Length:	92.181	Course:	N 33° 46' 48.5724" E

Alignment - Line F (Old STH 64 Bike PED Path) Continued

Curve Point Data

Description	Station	Northing	Easting
PC:	1079+21.834	374453.846	501735.009
RP:		374383.341	501840.407
PT:	1080+66.429	374508.545	501860.493

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	65° 20' 02.7450"	Type:	RIGHT
Radius:	126.806		
Length:	144.596	Tangent:	81.305
Mid-Ord:	20.058	External:	23.827
Chord:	136.888	Course:	N 66° 26' 49.9449" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1080+66.429	374508.545	501860.493
End:	1081+55.297	374494.468	501948.239

Tangent Data

Parameter	Value	Parameter	Value
Length:	88.867	Course:	S 80° 53' 08.6826" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1081+55.297	374494.468	501948.239
RP:		374679.678	501977.952
PT:	1081+84.369	374492.102	501977.185

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	08° 52' 47.9800"	Type:	LEFT
Radius:	187.578		
Length:	29.072	Tangent:	14.565
Mid-Ord:	0.563	External:	0.565
Chord:	29.043	Course:	S 85° 19' 32.6725" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1081+84.369	374492.102	501977.185
End:	1082+73.516	374491.737	502066.332

Tangent Data

Parameter	Value	Parameter	Value
Length:	89.148	Course:	S 89° 45' 56.6625" E

Alignment: Line G (Old STH 64 PED Path)

Tangent Data

Description	PT Station	Northing	Easting
Start:	1058+17.580	372752.09	500544.548
End:	1058+99.666	372802.74	500609.142

Tangent Data

Parameter	Value	Parameter	Value
Length:	82.086	Course:	N 51° 53' 48.7400" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1058+99.666	372802.74	500609.142
RP:		372843.66	500577.054
PT:	1059+41.069	372837.97	500628.742

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	45° 37' 11.1888"	Type:	LEFT
Radius:	52		
Length:	41.403	Tangent:	21.869
Mid-Ord:	4.067	External:	4.412
Chord:	40.318	Course:	N 29° 05' 13.1456" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1059+41.069	372837.97	500628.742
End:	1059+56.621	372853.43	500630.436

Tangent Data

Parameter	Value	Parameter	Value
Length:	15.551	Course:	N 06° 15' 14.3891" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1059+56.621	372853.43	500630.436
RP:		372852.56	500638.389
PT:	1059+67.190	372860.48	500637.268

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	75° 41' 38.9945"	Type:	RIGHT
Radius:	8		
Length:	10.569	Tangent:	6.216
Mid-Ord:	1.683	External:	2.131
Chord:	9.817	Course:	N 44° 06' 03.8863" E

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Alignment: Line G (Old STH 64 PED Path) Continued

Tangent Data

Description	PT Station	Northing	Easting
Start:	1059+67.190	372860.48	500637.268
End:	1059+95.172	372864.4	500664.975

Tangent Data

Parameter	Value	Parameter	Value
Length:	27.983	Course:	N 81° 56' 53.3836" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1059+95.172	372864.4	500664.975
RP:		372915.89	500657.691
PT:	1060+24.188	372876.07	500691.132

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	31° 58' 15.1145"	Type:	LEFT
Radius:	52		
Length:	29.016	Tangent:	14.896
Mid-Ord:	2.011	External:	2.092
Chord:	28.641	Course:	N 65° 57' 45.8263" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1060+24.188	372876.07	500691.132
End:	1060+83.657	372914.31	500736.673

Tangent Data

Parameter	Value	Parameter	Value
Length:	59.469	Course:	N 49° 58' 38.2691" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1060+83.657	372914.31	500736.673
End:	1061+16.440	372937.16	500760.182

Tangent Data

Parameter	Value	Parameter	Value
Length:	32.782	Course:	N 45° 49' 00.0730" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1061+16.440	372937.16	500760.182
RP:		374540.24	499202.162
PCC:	1061+89.002	372988.57	500811.387

Alignment: Line G (Old STH 64 PED Path) Continued

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	01° 51' 35.2605"	Type:	LEFT
Radius:	2235.462		
Length:	72.562	Tangent:	36.284
Mid-Ord:	0.294	External:	0.294
Chord:	72.559	Course:	N 44° 53' 12.4427" E

Curve Point Data

Description	Station	Northing	Easting
PCC:	1061+89.002	372988.57	500811.387
RP:		373040.63	500757.397
PT:	1062+01.335	372998.11	500819.181

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	09° 25' 18.2780"	Type:	LEFT
Radius:	75		
Length:	12.333	Tangent:	6.18
Mid-Ord:	0.253	External:	0.254
Chord:	12.319	Course:	N 39° 14' 45.6735" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1062+01.335	372998.11	500819.181
End:	1062+02.281	372998.89	500819.717

Tangent Data

Parameter	Value	Parameter	Value
Length:	0.947	Course:	N 34° 32' 06.5349" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1062+02.281	372998.89	500819.717
RP:		372956.37	500881.501
PT:	1062+13.399	373007.55	500826.674

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	08° 29' 34.6342"	Type:	RIGHT
Radius:	75		
Length:	11.117	Tangent:	5.569
Mid-Ord:	0.206	External:	0.206
Chord:	11.107	Course:	N 38° 46' 53.8520" E

Alignment: Line G (Old STH 64 PED Path) Continued

Tangent Data

Description	PT Station	Northing	Easting
Start:	1062+13.399	373007.55	500826.674
End:	1062+37.261	373024.99	500842.957

Tangent Data

Parameter	Value	Parameter	Value
Length:	23.862	Course:	N 43° 01' 41.1691" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1062+37.261	373024.99	500842.957
RP:		372973.81	500897.783
PT:	1062+48.325	373032.49	500851.074

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	08° 27' 07.9266"	Type:	RIGHT
Radius:	75		
Length:	11.064	Tangent:	5.542
Mid-Ord:	0.204	External:	0.204
Chord:	11.054	Course:	N 47° 15' 15.1324" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1062+48.325	373032.49	500851.074
End:	1062+49.325	373033.12	500851.857

Tangent Data

Parameter	Value	Parameter	Value
Length:	1	Course:	N 51° 31' 11.8907" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1062+49.325	373033.12	500851.857
RP:		373091.84	500805.178
PCC:	1062+61.658	373041.55	500860.839

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	09° 25' 10.4520"	Type:	LEFT
Radius:	75.017		
Length:	12.333	Tangent:	6.18
Mid-Ord:	0.253	External:	0.254
Chord:	12.319	Course:	N 46° 48' 36.6647" E

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Alignment: Line G (Old STH 64 PED Path) Continued

Curve Point Data

Description	Station	Northing	Easting
PCC:	1062+61.658	373041.55	500860.839
RP:		374539.71	499202.812
PCC:	1064+87.803	373216.72	501003.712

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	05° 47' 54.1544"	Type:	LEFT
Radius:	2234.625		
Length:	226.146	Tangent:	113.169
Mid-Ord:	2.86	External:	2.864
Chord:	226.049	Course:	N 39° 12' 04.3615" E

Curve Point Data

Description	Station	Northing	Easting
PCC:	1064+87.803	373216.72	501003.712
RP:		373243.36	500967.445
PT:	1065+20.261	373247.3	501012.274

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	41° 19' 25.9487"	Type:	LEFT
Radius:	45.002		
Length:	32.457	Tangent:	16.971
Mid-Ord:	2.895	External:	3.094
Chord:	31.758	Course:	N 15° 38' 24.3100" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1065+20.261	373247.3	501012.274
End:	1065+21.546	373248.58	501012.162

Tangent Data

Parameter	Value	Parameter	Value
Length:	1.286	Course:	N 05° 01' 22.5749" W

Curve Point Data

Description	Station	Northing	Easting
PC:	1065+21.546	373248.58	501012.162
RP:		373250.33	501032.085
PT:	1065+47.899	373269.18	501025.399

Alignment: Line G (Old STH 64 PED Path) Continued

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	75° 29' 40.2481"	Type:	RIGHT
Radius:	20		
Length:	26.353	Tangent:	15.484
Mid-Ord:	4.186	External:	5.293
Chord:	24.487	Course:	N 32° 43' 27.5491" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1065+47.899	373269.18	501025.399
End:	1065+55.333	373271.67	501032.406

Tangent Data

Parameter	Value	Parameter	Value
Length:	7.434	Course:	N 70° 28' 17.6732" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1065+55.333	373271.67	501032.406
RP:		373314.08	501017.364
PCC:	1065+83.824	373288.79	501054.584

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	36° 16' 33.3335"	Type:	LEFT
Radius:	45		
Length:	28.491	Tangent:	14.741
Mid-Ord:	2.236	External:	2.353
Chord:	28.018	Course:	N 52° 20' 01.0064" E

Curve Point Data

Description	Station	Northing	Easting
PCC:	1065+83.824	373288.79	501054.584
RP:		374614.59	499103.415
PT:	1067+39.357	373420.22	501137.694

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	03° 46' 39.4857"	Type:	LEFT
Radius:	2358.983		
Length:	155.533	Tangent:	77.795
Mid-Ord:	1.282	External:	1.282
Chord:	155.505	Course:	N 32° 18' 24.5968" E

Alignment: Line G (Old STH 64 PED Path) Continued

Tangent Data

Description	PT Station	Northing	Easting
Start:	1067+39.357	373420.22	501137.694
End:	1067+40.099	373420.86	501138.07

Tangent Data

Parameter	Value	Parameter	Value
Length:	0.741	Course:	N 30° 25' 04.8546" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1067+40.099	373420.86	501138.07
RP:		375044.72	498372.256
PT:	1068+61.297	373526.51	501197.444

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	02° 09' 54.4582"	Type:	LEFT
Radius:	3207.281		
Length:	121.199	Tangent:	60.607
Mid-Ord:	0.572	External:	0.573
Chord:	121.191	Course:	N 29° 20' 07.6255" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1068+61.297	373526.51	501197.444
End:	1069+23.814	373581.58	501227.037

Tangent Data

Parameter	Value	Parameter	Value
Length:	62.517	Course:	N 28° 15' 10.3964" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1069+23.814	373581.58	501227.037
RP:		373614.72	501165.377
PT:	1069+34.920	373591.74	501231.498

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	09° 05' 24.9969"	Type:	LEFT
Radius:	70		
Length:	11.106	Tangent:	5.565
Mid-Ord:	0.22	External:	0.221
Chord:	11.094	Course:	N 23° 42' 27.8979" E

Alignment: Line G (Old STH 64 PED Path) Continued			
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1069+34.920	373591.74	501231.498
End:	1069+36.450	373593.18	501232
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	1.53	Course:	N 19° 09' 45.3995" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	1069+36.450	373593.18	501232
RP:		373570.21	501298.122
PT:	1069+47.556	373603.34	501236.461
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	09° 05' 24.9969"	Type:	RIGHT
Radius:	70		
Length:	11.106	Tangent:	5.565
Mid-Ord:	0.22	External:	0.221
Chord:	11.094	Course:	N 23° 42' 27.8979" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1069+47.556	373603.34	501236.461
End:	1069+71.448	373624.39	501247.771
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	23.892	Course:	N 28° 15' 10.3964" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	1069+71.448	373624.39	501247.771
RP:		373591.25	501309.431
PT:	1069+82.511	373633.68	501253.754
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	09° 03' 19.7724"	Type:	RIGHT
Radius:	70		
Length:	11.063	Tangent:	5.543
Mid-Ord:	0.218	External:	0.219
Chord:	11.052	Course:	N 32° 46' 50.2826" E

Alignment: Line G (Old STH 64 PED Path) Continued			
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1069+82.511	373633.68	501253.754
End:	1069+84.029	373634.89	501254.674
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	1.518	Course:	N 37° 18' 30.1688" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	1069+84.029	373634.89	501254.674
RP:		373677.31	501198.997
PT:	1069+95.190	373644.26	501260.704
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	09° 08' 06.4708"	Type:	LEFT
Radius:	70		
Length:	11.161	Tangent:	5.592
Mid-Ord:	0.222	External:	0.223
Chord:	11.149	Course:	N 32° 44' 26.9334" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1069+95.190	373644.26	501260.704
End:	1071+34.040	373766.66	501326.261
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	138.851	Course:	N 28° 10' 23.6980" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	1071+34.040	373766.66	501326.261
RP:		373799.71	501264.554
PT:	1071+45.146	373776.83	501330.707
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	09° 05' 24.9969"	Type:	LEFT
Radius:	70		
Length:	11.106	Tangent:	5.565
Mid-Ord:	0.22	External:	0.221
Chord:	11.094	Course:	N 23° 37' 41.1996" E

Alignment: Line G (Old STH 64 PED Path) Continued			
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1071+45.146	373776.83	501330.707
End:	1071+46.676	373778.27	501331.207
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	1.53	Course:	N 19° 04' 58.7011" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	1071+46.676	373778.27	501331.207
RP:		373755.39	501397.361
PT:	1071+57.782	373788.44	501335.654
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	09° 05' 24.9969"	Type:	RIGHT
Radius:	70		
Length:	11.106	Tangent:	5.565
Mid-Ord:	0.22	External:	0.221
Chord:	11.094	Course:	N 23° 37' 41.1995" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1071+57.782	373788.44	501335.654
End:	1071+81.653	373809.48	501346.924
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	23.871	Course:	N 28° 10' 23.6980" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	1071+81.653	373809.48	501346.924
RP:		373776.43	501408.631
PT:	1071+92.758	373818.81	501352.921
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	09° 05' 24.9969"	Type:	RIGHT
Radius:	70		
Length:	11.106	Tangent:	5.565
Mid-Ord:	0.22	External:	0.221
Chord:	11.094	Course:	N 32° 43' 06.1965" E

Alignment: Line G (Old STH 64 PED Path) Continued

Tangent Data

Description	PT Station	Northing	Easting
Start:	1071+92.758	373818.81	501352.921
End:	1071+94.288	373820.03	501353.847

Tangent Data

Parameter	Value	Parameter	Value
Length:	1.53	Course:	N 37° 15' 48.6949" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1071+94.288	373820.03	501353.847
RP:		373862.42	501298.137
PT:	1072+05.394	373829.37	501359.844

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	09° 05' 24.9969"	Type:	LEFT
Radius:	70		
Length:	11.106	Tangent:	5.565
Mid-Ord:	0.22	External:	0.221
Chord:	11.094	Course:	N 32° 43' 06.1965" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1072+05.394	373829.37	501359.844
End:	1073+44.281	373951.8	501425.418

Tangent Data

Parameter	Value	Parameter	Value
Length:	138.887	Course:	N 28° 10' 23.6980" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1073+44.281	373951.8	501425.418
RP:		373984.85	501363.711
PT:	1073+55.413	373961.99	501429.873

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	09° 06' 40.3971"	Type:	LEFT
Radius:	70		
Length:	11.131	Tangent:	5.577
Mid-Ord:	0.221	External:	0.222
Chord:	11.12	Course:	N 23° 37' 03.4994" E

Alignment: Line G (Old STH 64 PED Path) Continued

Tangent Data

Description	PT Station	Northing	Easting
Start:	1073+55.413	373961.99	501429.873
End:	1073+56.888	373963.38	501430.354

Tangent Data

Parameter	Value	Parameter	Value
Length:	1.475	Course:	N 19° 03' 43.3009" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1073+56.888	373963.38	501430.354
RP:		373940.64	501496.164
PT:	1073+68.019	373973.57	501434.813

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	09° 09' 34.3860"	Type:	RIGHT
Radius:	69.628		
Length:	11.131	Tangent:	5.577
Mid-Ord:	0.222	External:	0.223
Chord:	11.119	Course:	N 23° 38' 30.4939" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1073+68.019	373973.57	501434.813
End:	1073+91.877	373994.6	501446.074

Tangent Data

Parameter	Value	Parameter	Value
Length:	23.858	Course:	N 28° 09' 43.1794" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1073+91.877	373994.6	501446.074
RP:		373961.64	501507.635
PT:	1074+02.983	374003.93	501452.07

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	09° 06' 46.0332"	Type:	RIGHT
Radius:	69.827		
Length:	11.106	Tangent:	5.565
Mid-Ord:	0.221	External:	0.221
Chord:	11.094	Course:	N 32° 43' 06.1960" E

Alignment: Line G (Old STH 64 PED Path) Continued

Tangent Data

Description	PT Station	Northing	Easting
Start:	1074+02.983	374003.93	501452.07
End:	1074+04.513	374005.15	501452.996

Tangent Data

Parameter	Value	Parameter	Value
Length:	1.53	Course:	N 37° 15' 48.6949" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1074+04.513	374005.15	501452.996
RP:		374047.54	501397.286
PT:	1074+15.618	374014.49	501458.993

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	09° 05' 24.9969"	Type:	LEFT
Radius:	70		
Length:	11.106	Tangent:	5.565
Mid-Ord:	0.22	External:	0.221
Chord:	11.094	Course:	N 32° 43' 06.1965" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1074+15.618	374014.49	501458.993
End:	1076+02.310	374179.06	501547.137

Tangent Data

Parameter	Value	Parameter	Value
Length:	186.691	Course:	N 28° 10' 23.6980" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1076+02.310	374179.06	501547.137
End:	1076+58.867	374229.23	501573.241

Tangent Data

Parameter	Value	Parameter	Value
Length:	56.557	Course:	N 27° 29' 11.3595" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1076+58.867	374229.23	501573.241
End:	1077+52.836	374312.34	501617.098

Tangent Data

Parameter	Value	Parameter	Value
Length:	93.969	Course:	N 27° 49' 17.3649" E

Alignment: Line G (Old STH 64 PED Path) Continued

Curve Point Data

Description	Station	Northing	Easting
PC:	1077+52.836	374312.34	501617.098
RP:		373085.6	503941.706
PT:	1078+15.097	374367.05	501646.805

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	01° 21' 25.8874"	Type:	RIGHT
Radius:	2628.44		
Length:	62.261	Tangent:	31.132
Mid-Ord:	0.184	External:	0.184
Chord:	62.26	Course:	N 28° 30' 00.3086" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1078+15.097	374367.05	501646.805
End:	1078+34.565	374384.05	501656.299

Tangent Data

Parameter	Value	Parameter	Value
Length:	19.468	Course:	N 29° 11' 05.6807" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1078+34.565	374384.05	501656.299
RP:		374325.64	501760.868
PT:	1078+44.172	374392.24	501661.314

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	04° 35' 42.9157"	Type:	RIGHT
Radius:	119.775		
Length:	9.606	Tangent:	4.806
Mid-Ord:	0.096	External:	0.096
Chord:	9.604	Course:	N 31° 28' 57.1385" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1078+44.172	374392.24	501661.314
End:	1079+04.912	374442.73	501695.086

Tangent Data

Parameter	Value	Parameter	Value
Length:	60.74	Course:	N 33° 46' 48.5724" E

Curve Point Data

Description	Station	Northing	Easting
PC:	1079+04.912	374442.73	501695.086
RP:		374401.02	501757.424
PT:	1079+44.990	374468.66	501725.016

Alignment: Line G (Old STH 64 PED Path) Continued

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	30° 37' 04.6590"	Type:	RIGHT
Radius:	75		
Length:	40.079	Tangent:	20.53
Mid-Ord:	2.661	External:	2.759
Chord:	39.604	Course:	N 49° 05' 20.9019" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	1079+44.990	374468.66	501725.016
End:	1080+12.184	374497.7	501785.612

Tangent Data

Parameter	Value	Parameter	Value
Length:	67.194	Course:	N 64° 23' 53.2315" E

Alignment - Line H (HILLTOP DR)

Tangent Data

Description	PT Station	Northing	Easting
Start:	10+00.000	374356.24	501575.031
End:	11+54.323	374492.76	501647.003

Tangent Data

Parameter	Value	Parameter	Value
Length:	154.323	Course:	N 27° 47' 57.9112" E

Curve Point Data

Description	Station	Northing	Easting
PC:	11+54.323	374492.76	501647.003
RP:		374399.48	501823.921
PT:	12+30.443	374551.8	501694.313

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	21° 48' 24.3283"	Type:	RIGHT
Radius:	200		
Length:	76.12	Tangent:	38.526
Mid-Ord:	3.61	External:	3.677
Chord:	75.661	Course:	N 38° 42' 10.0753" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	12+30.443	374551.8	501694.313
End:	12+54.320	374567.28	501712.498

Tangent Data

Parameter	Value	Parameter	Value
Length:	23.877	Course:	N 49° 36' 22.2394" E

Alignment - Line H (HILLTOP DR) Continued

Curve Point Data

Description	Station	Northing	Easting
PC:	12+54.320	374567.28	501712.498
RP:		374984.14	501357.797
PT:	14+78.685	374743.17	501849.246

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	23° 29' 10.9181"	Type:	LEFT
Radius:	547.346		
Length:	224.365	Tangent:	113.78
Mid-Ord:	11.456	External:	11.701
Chord:	222.797	Course:	N 37° 51' 46.7804" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	14+78.685	374743.17	501849.246
End:	15+78.944	374833.19	501893.385

Tangent Data

Parameter	Value	Parameter	Value
Length:	100.259	Course:	N 26° 07' 11.3213" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	15+78.944	374833.19	501893.385
End:	16+07.773	374859.03	501906.173

Tangent Data

Parameter	Value	Parameter	Value
Length:	28.829	Course:	N 26° 20' 02.7980" E

Curve Point Data

Description	Station	Northing	Easting
PC:	16+07.773	374859.03	501906.173
RP:		374786.65	502052.404
PT:	17+88.045	374949.81	502051.372

Circular Curve Data

Parameter	Value	Parameter	Value
Delta:	63° 18' 13.3915"	Type:	RIGHT
Radius:	163.163		
Length:	180.272	Tangent:	100.582
Mid-Ord:	24.27	External:	28.511
Chord:	171.242	Course:	N 57° 59' 09.4937" E

Tangent Data

Description	PT Station	Northing	Easting
Start:	17+88.045	374949.81	502051.372
End:	17+96.536	374949.86	502059.864

Tangent Data

Parameter	Value	Parameter	Value
Length:	8.492	Course:	N 89° 38' 16.1894" E

2

Alignment - Line J (Hilltop Parking)			
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	10+00.000	374617.69	501778.204
End:	10+67.031	374581.57	501834.67
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	67.031	Course:	S 57° 23' 34.9457" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	10+67.031	374581.57	501834.67
RP:		374836.74	501623.84
PT:	13+50.955	374829.3	501954.756
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	49° 08' 49.3681"	Type:	LEFT
Radius:	331		
Length:	283.924	Tangent:	151.359
Mid-Ord:	29.979	External:	32.965
Chord:	275.3	Course:	N 25° 51' 42.2052" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	13+50.955	374829.3	501954.756
End:	14+07.899	374850.03	501901.721
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	56.944	Course:	N 68° 38' 55.1140" W

Alignment - Line K (Temp Bypass)			
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	0+00.000	374426.71	501610.859
End:	0+07.910	374433.72	501614.53
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	7.91	Course:	N 27° 39' 09.7205" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	0+07.910	374433.72	501614.53
RP:		374426.99	501627.374
PT:	0+31.458	374439.46	501634.776
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	93° 02' 42.6182"	Type:	RIGHT
Radius:	14.5		
Length:	23.547	Tangent:	15.292
Mid-Ord:	4.523	External:	6.573
Chord:	21.044	Course:	N 74° 10' 31.0296" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	0+31.458	374439.46	501634.776
End:	0+69.886	374419.84	501667.82
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	38.428	Course:	S 59° 18' 07.6613" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	0+69.886	374419.84	501667.82
RP:		374442.2	501681.093
PT:	1+10.692	374428.9	501703.432
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	89° 55' 25.0784"	Type:	LEFT
Radius:	26		
Length:	40.806	Tangent:	25.965
Mid-Ord:	7.603	External:	10.745
Chord:	36.745	Course:	N 75° 44' 09.7995" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	1+10.692	374428.9	501703.432
End:	2+52.874	374551.06	501776.181

Alignment - Line K (Temp Bypass) Continued			
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	142.182	Course:	N 30° 46' 27.2603" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	2+52.874	374551.06	501776.181
End:	5+56.836	374819.82	501918.164
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	303.962	Course:	N 27° 50' 48.0901" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	5+56.836	374819.82	501918.164
End:	6+25.680	374881.73	501948.275
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	68.843	Course:	N 25° 56' 15.9653" E
Curve Point Data			
Description	**Station**	**Northing**	**Easting**
PC:	6+25.680	374881.73	501948.275
RP:		374925.47	501858.348
PT:	6+58.699	374913.25	501957.599
Circular Curve Data			
Parameter	**Value**	**Parameter**	**Value**
Delta:	18° 55' 07.2467"	Type:	LEFT
Radius:	100		
Length:	33.019	Tangent:	16.661
Mid-Ord:	1.36	External:	1.378
Chord:	32.87	Course:	N 16° 28' 42.3419" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	6+58.699	374913.25	501957.599
End:	7+38.652	374992.6	501967.369
Tangent Data			
Parameter	**Value**	**Parameter**	**Value**
Length:	79.953	Course:	N 07° 01' 08.7185" E
Tangent Data			
Description	**PT Station**	**Northing**	**Easting**
Start:	7+38.652	374992.6	501967.369
End:	11+19.491	375365.26	502045.879

Project information		Coordinate System	
Name:	C:\Projects\Nordln\Stillwater\TBC \Stillwater.vce	Name:	WI County Coordinate System
Size:	2 MB	Datum:	WCCS St. Croix
Modified:	10/26/2012 1:59:50 PM (UTC:-5)	Zone:	St. Croix
Time zone:	Central Standard Time	Geoid:	Wisconsin GEOID09
Reference number:		Vertical datum:	NAVD88
Description:			

Point List

ID	Northing (US survey foot)	Easting (US survey foot)	Elevation (US survey foot)	Feature Code
0101 E FARMINGTON	422743.009	530768.853	941.760	COUNTY HARN 83 (91)
0102 STAR PRAIRIE W	412297.440	550887.982	952.082	COUNTY HARN 83 (91)
0105 BURSCH 1934 (RM)	385546.617	513413.617	1037.822	NO COORDS AVAIL
0106 ST JOE N	375125.970	543943.728	959.808	COUNTY HARN 83 (91)
0107 ST JOE W	361749.722	513443.075	908.647	COUNTY HARN 83 (91)
1001	377504.570	504035.251	866.523	NEW CP
1002	376216.903	510103.495	909.969	NEW CP
1003	373532.230	507882.839	922.142	NEW CP
1004	373527.157	504428.532	878.348	NEW CP
1005	371065.399	502796.338	874.028	NEW CP
1006	367180.788	506721.279	877.052	NEW CP
3685 OSGOOD	364371.488	498037.960	903.148	WISCON 83 (91)
3736 SHELDON	381125.503	502255.901	733.686	MNDT 83 (96)
4293 SOMERSET S GPS	380072.692	512900.816	930.658	WIHMP ELEV ONLY
4310 6N02	371596.908	515223.328	885.500	WIHMP ELEV ONLY
8888 BUCKHORN RESET	369750.294	503681.378	873.297	NO COORDS AVAIL
9999 CARLSON	368774.341	504900.778	869.549	NO COORDS AVAIL
T074	380229.775	513792.429	940.762	WISCON 83 (91)
T079	376445.364	510024.461	912.782	WISCON 83 (91)
T100	365848.169	508867.751	854.160	WISCON 83 (91)
T102	376050.523	502036.272	856.878	WISCON 83 (91)
T112	378984.523	507365.225	918.898	WISCON 83 (91)
T118	373581.768	510247.589	918.225	WISCON 83 (91)
T121	373578.502	507339.447	918.566	WISCON 83 (91)
T124	373575.538	504309.173	879.881	WISCON 83 (91)
T135	369433.457	504108.873	868.914	WISCON 83 (91)

NOTICE:
TO ENSURE PROPER SITE CALIBRATION OF SURVEY EQUIPMENT AND GPS MACHINE CONTROL EQUIPMENT TO THE PROJECT PLAN AND PREVIOUS PROJECT GRADING BY OTHERS, ONLY POINTS 1001-1006 AND 1010-1013 OF THE CONTROL POINTS PLAN SHEET SHALL BE INCLUDED. PRIOR TO CONDUCTING EACH SITE CALIBRATION, THE CONTRACTOR SHALL CONFIRM WHICH CONTROL POINTS TO USE WITH THE PROJECT ENGINEER, MIKE PILLER OR DENNIS DANOWSKI.

MIKE PILLER, TECHNICAL SERVICES SUPERVISOR, 715-395-3021
DENNIS DANOWSKI, SURVEYOR, 715-635-4994

ID	Northing (US survey foot)	Easting (US survey foot)	Elevation (US survey foot)	Feature Code
1010	372072.65	502420.14	876.74	NEW CP
1011	381738.34	514114.72	962.62	NEW CP
1012	378145.82	510885.58	943.07	NEW CP
1013	378000.04	506326.43	898.12	NEW CP

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PROJECT NO: 8110-02-73 | HWY: STH 64 | COUNTY: ST. CROIX | CONTROL POINTS | SHEET E

8110-02-73

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	12.000	12.000
0004	201.0205	Grubbing	STA	12.000	12.000
0006	202.0105	Roadside Clearing	STA	12.000	12.000
0008	203.0100	Removing Small Pipe Culverts	EACH	7.000	7.000
0010	204.0115	Removing Asphaltic Surface Butt Joints	SY	1,200.000	1,200.000
0012	204.0120	Removing Asphaltic Surface Milling	SY	28,810.000	28,810.000
0014	204.0150	Removing Curb & Gutter	LF	3,765.000	3,765.000
0016	204.0155	Removing Concrete Sidewalk	SY	580.000	580.000
0018	204.0165	Removing Guardrail	LF	3,620.000	3,620.000
0020	204.0170	Removing Fence	LF	1,457.000	1,457.000
0022	204.0180	Removing Delineators and Markers	EACH	11.000	11.000
0024	204.0190	Removing Surface Drains	EACH	1.000	1.000
0026	204.0220	Removing Inlets	EACH	9.000	9.000
0028	204.0245	Removing Storm Sewer (size) 01. 18-Inch	LF	315.000	315.000
0030	204.9060.S	Removing (item description) 01. Cable Guard Terminals	EACH	2.000	2.000
0032	204.9060.S	Removing (item description) 02. Removing Traffic Control Barricades Type III Permanent	EACH	9.000	9.000
0034	204.9090.S	Removing (item description) 01. Cable Guard 3 Strand	LF	365.000	365.000
0036	204.9090.S	Removing (item description) 02. Electrical Conductors From Existing Conduit	LF	310.000	310.000
0038	205.0100	Excavation Common	CY	19,455.000	19,455.000
0040	208.0100	Borrow	CY	3,750.000	3,750.000
0042	208.1100	Select Borrow	CY	4,027.000	4,027.000
0044	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 8110-02-73	LS	1.000	1.000
0046	211.0200	Prepare Foundation for Concrete Pavement (project) 01. 8110-02-73	LS	1.000	1.000
0048	213.0100	Finishing Roadway (project) 01. 8110-02-73	EACH	1.000	1.000
0050	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,758.000	1,758.000
0052	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	16,823.000	16,823.000
0054	305.0500	Shaping Shoulders	STA	55.000	55.000
0056	305.0502.S	Shaping Roadway	STA	11.000	11.000
0058	405.0200	Coloring Concrete Custom 01. Light Tan	CY	9.000	9.000
0060	405.0200	Coloring Concrete Custom 02. White	CY	8.000	8.000
0062	405.0200	Coloring Concrete Custom 03. Dark Tan	CY	132.000	132.000
0064	405.0200	Coloring Concrete Custom 04. Dark Grey	CY	8.000	8.000
0066	415.0060	Concrete Pavement 6-Inch	SY	142.000	142.000
0068	415.0080	Concrete Pavement 8-Inch	SY	105.000	105.000
0070	415.5110.S	Concrete Pavement Joint Layout	LS	1.000	1.000
0072	416.0260	Concrete Driveway HES 6-Inch	SY	30.000	30.000
0074	455.0605	Tack Coat	GAL	2,074.000	2,074.000

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Line	Item	Item Description	Unit	Total	Qty
0076	460.2000	Incentive Density HMA Pavement	DOL	4,540.000	4,540.000
0078	460.5223	HMA Pavement 3 LT 58-28 S	TON	2,581.000	2,581.000
0080	460.5224	HMA Pavement 4 LT 58-28 S	TON	289.000	289.000
0082	460.5244	HMA Pavement 4 LT 58-34 S	TON	1,732.000	1,732.000
0084	460.5245	HMA Pavement 5 LT 58-34 S	TON	3,028.000	3,028.000
0086	460.6444	HMA Pavement 4 MT 58-34 H	TON	1,158.000	1,158.000
0088	460.6445	HMA Pavement 5 MT 58-34 H	TON	2,519.000	2,519.000
0090	460.7644	HMA Pavement 4 HT 58-34 V	TON	475.000	475.000
0092	465.0105	Asphaltic Surface	TON	95.000	95.000
0094	465.0110	Asphaltic Surface Patching	TON	500.000	500.000
0096	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	116.000	116.000
0098	465.0315	Asphaltic Flumes	SY	112.000	112.000
0100	504.0900	Concrete Masonry Endwalls	CY	20.000	20.000
0102	517.1010.S	Concrete Staining (structure) 01. B-55-226	SF	480.000	480.000
0104	520.1015	Apron Endwalls for Culvert Pipe 15-Inch	EACH	6.000	6.000
0106	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	4.000	4.000
0108	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	10.000	10.000
0110	520.1030	Apron Endwalls for Culvert Pipe 30-Inch	EACH	2.000	2.000
0112	520.2024	Culvert Pipe Temporary 24-Inch	LF	70.000	70.000
0114	520.3412	Culvert Pipe Class III-A Non-metal 12-Inch	LF	56.000	56.000
0116	520.3415	Culvert Pipe Class III-A Non-metal 15-Inch	LF	137.000	137.000
0118	520.3418	Culvert Pipe Class III-A Non-metal 18-Inch	LF	211.000	211.000
0120	520.3424	Culvert Pipe Class III-A Non-metal 24-Inch	LF	261.000	261.000
0122	520.3430	Culvert Pipe Class III-A Non-metal 30-Inch	LF	152.000	152.000
0124	522.0112	Culvert Pipe Reinforced Concrete Class III 12-Inch	LF	80.000	80.000
0126	522.0142	Culvert Pipe Reinforced Concrete Class III 42-Inch	LF	80.000	80.000
0128	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	56.000	56.000
0130	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	4.000	4.000
0132	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	2.000	2.000
0134	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	2.000	2.000
0136	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	3.000	3.000
0138	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	1.000	1.000
0140	601.0105	Concrete Curb Type A	LF	113.000	113.000
0142	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	301.000	301.000
0144	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	897.000	897.000
0146	601.0413	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	LF	200.000	200.000

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Line	Item	Item Description	Unit	Total	Qty
0148	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	1,939.000	1,939.000
0150	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	217.000	217.000
0152	601.0600	Concrete Curb Pedestrian	LF	125.000	125.000
0154	602.0405	Concrete Sidewalk 4-Inch	SF	4,543.000	4,543.000
0156	602.0415	Concrete Sidewalk 6-Inch	SF	1,354.000	1,354.000
0158	602.0420	Concrete Sidewalk 7-Inch	SF	7,217.000	7,217.000
0160	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	165.000	165.000
0162	604.0400	Slope Paving Concrete	SY	54.000	54.000
0164	606.0100	Riprap Light	CY	64.000	64.000
0166	606.0300	Riprap Heavy	CY	82.600	82.600
0168	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	53.000	53.000
0170	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	399.000	399.000
0172	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	71.000	71.000
0174	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	21.000	21.000
0176	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	226.000	226.000
0178	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	41.000	41.000
0180	611.0530	Manhole Covers Type J	EACH	1.000	1.000
0182	611.0624	Inlet Covers Type H	EACH	9.000	9.000
0184	611.0666	Inlet Covers Type Z	EACH	3.000	3.000
0186	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0188	611.3003	Inlets 3-FT Diameter	EACH	3.000	3.000
0190	611.3004	Inlets 4-FT Diameter	EACH	9.000	9.000
0192	611.3253	Inlets 2.5x3-FT	EACH	1.000	1.000
0194	614.0920	Salvaged Rail	LF	60.000	60.000
0196	616.0700.S	Fence Safety	LF	500.000	500.000
0198	618.0100	Maintenance And Repair of Haul Roads (project) 01. 8110-02-73	EACH	1.000	1.000
0200	619.1000	Mobilization	EACH	1.000	1.000
0202	624.0100	Water	MGAL	10.000	10.000
0204	625.0105	Topsoil	CY	620.000	620.000
0206	625.0500	Salvaged Topsoil	SY	45,978.000	45,978.000
0208	627.0200	Mulching	SY	50,332.000	50,332.000
0210	628.1104	Erosion Bales	EACH	105.000	105.000
0212	628.1504	Silt Fence	LF	500.000	500.000
0214	628.1520	Silt Fence Maintenance	LF	500.000	500.000

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Line	Item	Item Description	Unit	Total	Qty
0216	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000
0218	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0220	628.1920	Cleaning Sediment Basins	CY	12.000	12.000
0222	628.2002	Erosion Mat Class I Type A	SY	6,999.300	6,999.300
0224	628.2008	Erosion Mat Urban Class I Type B	SY	9,753.400	9,753.400
0226	628.2023	Erosion Mat Class II Type B	SY	2,768.000	2,768.000
0228	628.2037	Erosion Mat Class III Type C	SY	82.000	82.000
0230	628.5505	Polyethylene Sheeting	SY	2,500.000	2,500.000
0232	628.7005	Inlet Protection Type A	EACH	9.000	9.000
0234	628.7015	Inlet Protection Type C	EACH	2.000	2.000
0236	628.7020	Inlet Protection Type D	EACH	7.000	7.000
0238	628.7504	Temporary Ditch Checks	LF	180.000	180.000
0240	628.7555	Culvert Pipe Checks	EACH	119.000	119.000
0242	628.7560	Tracking Pads	EACH	2.000	2.000
0244	629.0205	Fertilizer Type A	CWT	12.700	12.700
0246	629.0210	Fertilizer Type B	CWT	7.100	7.100
0248	630.0110	Seeding Mixture No. 10	LB	22.000	22.000
0250	630.0120	Seeding Mixture No. 20	LB	1,373.000	1,373.000
0252	630.0130	Seeding Mixture No. 30	LB	16.000	16.000
0254	630.0171	Seeding Mixture No. 70A	LB	104.000	104.000
0256	630.0180	Seeding Mixture No. 80	LB	103.000	103.000
0258	630.0200	Seeding Temporary	LB	64.000	64.000
0260	630.0300	Seeding Borrow Pit	LB	5.000	5.000
0262	632.0101	Trees (species) (size) (root) 01. Autumn Blaze Maple 3" B&B	EACH	11.000	11.000
0264	632.0101	Trees (species) (size) (root) 02. American Basswood 4" B&B	EACH	15.000	15.000
0266	632.0101	Trees (species) (size) (root) 03. Bur Oak 4" B&B	EACH	47.000	47.000
0268	632.0101	Trees (species) (size) (root) 04. Red Oak 4" B&B	EACH	42.000	42.000
0270	632.0101	Trees (species) (size) (root) 05. Sugar Maple 3" B&B	EACH	21.000	21.000
0272	632.0101	Trees (species) (size) (root) 06. White Oak 4" B&B	EACH	27.000	27.000
0274	632.0101	Trees (species) (size) (root) 07. White Pine 3" B&B	EACH	8.000	8.000
0276	632.0101	Trees (species) (size) (root) 08. Wild Black Cherry 2.5" B&B	EACH	46.000	46.000
0278	632.0101	Trees (species) (size) (root) 09. Hawthorn 2.5" B&B	EACH	23.000	23.000
0280	632.0101	Trees (species) (size) (root) 10. Kentucky Coffeetree 2.5" B&B	EACH	2.000	2.000
0282	632.0101	Trees (species) (size) (root) 11. River Birch 2.5" B&B	EACH	40.000	40.000
0284	632.0101	Trees (species) (size) (root) 12. Bur Oak 12-Inch Height BR	EACH	78.000	78.000
0286	632.0101	Trees (species) (size) (root) 13. Eastern Cottonwood	EACH	18.000	18.000

Line	Item	Item Description	Unit	Total	Qty
		12-Inch Height BR			
0288	632.0101	Trees (species) (size) (root) 14. Quaking Aspen 12-Inch Height BR	EACH	36.000	36.000
0290	632.0101	Trees (species) (size) (root) 15. Red Oak 12-Inch Height BR	EACH	55.000	55.000
0292	632.0101	Trees (species) (size) (root) 16. White Pine 12-Inch Height BR	EACH	124.000	124.000
0294	632.0101	Trees (species) (size) (root) 17. White Spruce 12-Inch Height BR	EACH	48.000	48.000
0296	632.0201	Shrubs (species) (size) (root) 01. American Hazelnut #1 Cont.	EACH	61.000	61.000
0298	632.0201	Shrubs (species) (size) (root) 02. Arrowwood Viburnum #1 Cont.	EACH	34.000	34.000
0300	632.0201	Shrubs (species) (size) (root) 03. Choke Cherry #1 Cont.	EACH	81.000	81.000
0302	632.0201	Shrubs (species) (size) (root) 04. Dwarfbush Honeysuckle #1 Cont.	EACH	128.000	128.000
0304	632.0201	Shrubs (species) (size) (root) 05. Fragrant Sumac #1 Cont.	EACH	43.000	43.000
0306	632.0201	Shrubs (species) (size) (root) 06. Junberry #1 Cont.	EACH	114.000	114.000
0308	632.0201	Shrubs (species) (size) (root) 07. Nannyberry Viburnum #1 Cont.	EACH	125.000	125.000
0310	632.0201	Shrubs (species) (size) (root) 08. Frost Grape #1 Cont.	EACH	115.000	115.000
0312	632.0201	Shrubs (species) (size) (root) 09. Prickly Gooseberry #1 Cont.	EACH	6.000	6.000
0314	632.0201	Shrubs (species) (size) (root) 10. Gray Dogwood #1 Cont.	EACH	135.000	135.000
0316	632.0201	Shrubs (species) (size) (root) 11. Red Osier Dogwood #1 Cont.	EACH	137.000	137.000
0318	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	2.000	2.000
0320	633.5200	Markers Culvert End	EACH	44.000	44.000
0322	634.0809	Posts Tubular Steel 2x2-Inch X 9.5-FT	EACH	57.000	57.000
0324	634.0810	Posts Tubular Steel 2x2-Inch X 10-FT	EACH	19.000	19.000
0326	634.0811	Posts Tubular Steel 2x2-Inch X 11-FT	EACH	34.000	34.000
0328	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	11.000	11.000
0330	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	4.000	4.000
0332	634.0885	Posts Tubular Steel 2x2-Inch X 8.5-FT	EACH	1.000	1.000
0334	637.2210	Signs Type II Reflective H	SF	408.790	408.790
0336	637.2230	Signs Type II Reflective F	SF	188.380	188.380
0338	638.2102	Moving Signs Type II	EACH	4.000	4.000
0340	638.2602	Removing Signs Type II	EACH	37.000	37.000
0342	638.3000	Removing Small Sign Supports	EACH	38.000	38.000

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Line	Item	Item Description	Unit	Total	Qty
0344	642.5201	Field Office Type C	EACH	1.000	1.000
0346	643.0300	Traffic Control Drums	DAY	7,700.000	7,700.000
0348	643.0420	Traffic Control Barricades Type III	DAY	1,040.000	1,040.000
0350	643.0705	Traffic Control Warning Lights Type A	DAY	1,920.000	1,920.000
0352	643.0715	Traffic Control Warning Lights Type C	DAY	720.000	720.000
0354	643.0900	Traffic Control Signs	DAY	4,800.000	4,800.000
0356	643.5000	Traffic Control	EACH	1.000	1.000
0358	645.0120	Geotextile Type HR	SY	235.000	235.000
0360	645.0130	Geotextile Type R	SY	40.000	40.000
0362	646.1020	Marking Line Epoxy 4-Inch	LF	33,971.000	33,971.000
0364	646.3020	Marking Line Epoxy 8-Inch	LF	318.000	318.000
0366	646.5020	Marking Arrow Epoxy	EACH	23.000	23.000
0368	646.5220	Marking Symbol Epoxy	EACH	17.000	17.000
0370	646.6120	Marking Stop Line Epoxy 18-Inch	LF	35.000	35.000
0372	646.7020	Marking Diagonal Epoxy 6-Inch	LF	1,406.000	1,406.000
0374	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	943.000	943.000
0376	646.8120	Marking Curb Epoxy	LF	9.000	9.000
0378	646.8320	Marking Parking Stall Epoxy	LF	4,168.000	4,168.000
0380	646.9000	Marking Removal Line 4-Inch	LF	144.000	144.000
0382	649.0105	Temporary Marking Line Paint 4-Inch	LF	3,200.000	3,200.000
0384	650.4000	Construction Staking Storm Sewer	EACH	17.000	17.000
0386	650.5000	Construction Staking Base	LF	11,806.000	11,806.000
0388	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	3,792.000	3,792.000
0390	650.6000	Construction Staking Pipe Culverts	EACH	16.000	16.000
0392	650.7000	Construction Staking Concrete Pavement	LF	136.000	136.000
0394	650.8000	Construction Staking Resurfacing Reference	LF	7,102.000	7,102.000
0396	650.8500	Construction Staking Electrical Installations (project) 01. 8110-02-73	LS	1.000	1.000
0398	650.9000	Construction Staking Curb Ramps	EACH	8.000	8.000
0400	650.9910	Construction Staking Supplemental Control (project) 01. 8110-02-73	LS	1.000	1.000
0402	650.9920	Construction Staking Slope Stakes	LF	7,538.000	7,538.000
0404	652.0210	Conduit Rigid Nonmetallic Schedule 40 1-Inch	LF	40.000	40.000
0406	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	3,555.000	3,555.000
0408	653.0140	Pull Boxes Steel 24x42-Inch	EACH	17.000	17.000
0410	654.0106	Concrete Bases Type 6	EACH	10.000	10.000
0412	655.0610	Electrical Wire Lighting 12 AWG	LF	1,701.000	1,701.000
0414	655.0625	Electrical Wire Lighting 6 AWG	LF	6,031.000	6,031.000
0416	655.0635	Electrical Wire Lighting 2 AWG	LF	2,852.000	2,852.000
0418	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	10.000	10.000

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Line	Item	Item Description	Unit	Total	Qty
0420	657.0326	Poles Type 6-Steel	EACH	1.000	1.000
0422	657.0327	Poles Type 6-Aluminum	EACH	6.000	6.000
0424	657.0714	Luminaire Arms Truss Type 4-Inch Clamp 15-FT	EACH	3.000	3.000
0426	657.0715	Luminaire Arms Truss Type 4 1/2-Inch Clamp 15-FT	EACH	6.000	6.000
0428	659.1120	Luminaires Utility LED B	EACH	9.000	9.000
0430	659.1205	Luminaires Underdeck LED A	EACH	10.000	10.000
0432	690.0150	Sawing Asphalt	LF	5,593.000	5,593.000
0434	690.0250	Sawing Concrete	LF	103.000	103.000
0436	715.0415	Incentive Strength Concrete Pavement	DOL	500.000	500.000
0438	SPV.0060	Special 01. Interpretive Panel Support Posts and Bases	EACH	10.000	10.000
0440	SPV.0060	Special 02. Interpretive Panel Support Post, Delivered	EACH	2.000	2.000
0442	SPV.0060	Special 03. Gate Pedestrian Railing	EACH	1.000	1.000
0444	SPV.0060	Special 04. Install Light Pole, State Owned	EACH	3.000	3.000
0446	SPV.0060	Special 05. Pedestal Mounted Outdoor Outlet	EACH	4.000	4.000
0448	SPV.0060	Special 06. Grouted Riprap Restoration	EACH	7.000	7.000
0450	SPV.0060	Special 07. Remove And Replace Tunnel Luminaire	EACH	10.000	10.000
0452	SPV.0060	Special 08. Remove and Reinstall Ramp Closure Gates Hardwired 40-FT	EACH	1.000	1.000
0454	SPV.0060	Special 09. Gate Chain Link (26 Ft. Width) Special	EACH	1.000	1.000
0456	SPV.0060	Special 10. Install Wire And Vandal Guards	EACH	10.000	10.000
0458	SPV.0060	Special 11. Traffic Control Removing Sign Covers	EACH	4.000	4.000
0460	SPV.0075	Special 01. Polyethylene Sheeting Mobilization	HRS	25.000	25.000
0462	SPV.0085	Special 01. Infiltration Basin Seeding	LB	21.000	21.000
0464	SPV.0090	Special 01. Pedestrian Railing	LF	3,550.000	3,550.000
0466	SPV.0090	Special 02. Fence Chain Link Coated 6-FT	LF	230.000	230.000
0468	SPV.0090	Special 03. Concrete Curb and Gutter Cure and Seal Treatment	LF	3,792.000	3,792.000
0470	SPV.0090	Special 04. Safety Fence Maintenance	LF	800.000	800.000
0472	SPV.0090	Special 05. Cleaning, Grading and Shaping Existing Ditch	LF	50.000	50.000
0474	SPV.0105	Special 02. Electrical Service Meter Breaker Pedestal Special (MB100)	LS	1.000	1.000
0476	SPV.0105	Special 03. Electrical Service Meter and Control Panels (CB200)	LS	1.000	1.000
0478	SPV.0105	Special 03. Picnic Shelter	LS	1.000	1.000
0480	SPV.0105	Special 04. Electrical Service Meter and Control Panels (CB300)	LS	1.000	1.000
0482	SPV.0105	Special 05. State Welcome Sign Structure	LS	1.000	1.000
0484	SPV.0165	Special 01. Anti-Graffiti Coating	SF	8,664.000	8,664.000
0486	SPV.0165	Special 02. Concrete Sidewalk Cure and Seal Treatment	SF	13,114.000	13,114.000

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Line	Item	Item Description	Unit	Total	Qty
0488	SPV.0180	Special 01. Infiltration Basin Soil Mix	SY	3,807.000	3,807.000
0490	SPV.0180	Special 02. 6-Inch Fabric Formed Articulated Concrete Revetment Mat	SY	27.000	27.000
0492	SPV.0195	Special 01. Limestone Aggregate	TON	387.000	387.000

3

CLEARING

CATEGORY	LOCATION	201.0105 STA	REMARKS
0010	HILLTOP BYPASS	3	
0010	MAIN ST	5	
	TOTAL 0010	8	
0020	OLD STH 64 MULTI-USE PATH	4	
	TOTAL 0020	4	

GRUBBING

CATEGORY	LOCATION	201.0205 STA	REMARKS
0010	HILLTOP BYPASS	3	
0010	MAIN ST	5	
	TOTAL 0010	8	
0020	OLD STH 64 MULTI-USE PATH	4	
	TOTAL 0020	4	

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION	LOCATION	203.0100 EACH	REMARKS
0010	2018+40	MAIN STREET	1	24"X74'
0010	2028+50	MAIN STREET	1	24"X152'
0010	2028+75	MAIN STREET	1	18"X40'
0010	1203+25	HILLTOP DRIVE	1	24"X45'
0010	500+48	HOULTON SCHOOL CIRCLE	1	24"X70'
0010	513+50	HOULTON SCHOOL CIRCLE	1	24"X55'
0010	519+50	HOULTON SCHOOL CIRCLE	1	18"X55'
		TOTAL 0010	7	

3

ROADSIDE CLEARING

CATEGORY	STATION TO	STATION	LOCATION	202.0105 STA	REMARKS
0010	502+00	- 514+00	HOULTON SCHOOL CIRCLE	12	
			TOTAL 0010	12	

REMOVING ASPHALTIC SURFACE BUTT JOINTS

CATEGORY	LOCATION	204.0115 SY	REMARKS
0010	STATE ST	150	
0010	RAINBOW ST	150	
0010	HOULTON SCHOOL CIRCLE	150	
0010	HILLTOP DRIVE	150	
0010	CTH E	150	
	TOTAL 0010	750	
0020	OLD STH 64 MULTI-USE PATH	150	
	TOTAL 0020	150	
0060	MAIN ST	150	
0060	MAIN ST	150	
	TOTAL 0060	300	

REMOVING ASPHALTIC SURFACE MILLING

CATEGORY	STATION TO	STATION	LOCATION	204.0120 SY	REMARKS
0010	500+52	- 519+33	HOULTON SCHOOL CIRCLE	4720	
0010	1100+38	1107+50	CTH E	1900	
0010	0+63	1+61	RAINBOW ST	240	
0010	0+77	7+24	STATE ST	1800	
			TOTAL 0010	8660	
0020	1050+00	- 1082+53	OLD STH 64 MULTI USE PATH	8982	
			TOTAL 0020	8982	
0060	2004+01	- 2027+45	MAIN ST	7435	
0060	2034+50	- 2045+00	MAIN ST	3733	
			TOTAL 0060	11168	

REMOVING CURB & GUTTER

CATEGORY	STATION TO	STATION	LOCATION	204.0150 LF	REMARKS
0010			HOULTON SCHOOL CIRCLE	165	
0010			HILLTOP DRIVE	200	
0010	2029+70	2033+15	MAIN ST	690	
			TOTAL 0010	1055	
0020	1058+40	1062+00	OLD STH 64 MULTI-USE PATH	360	
0020	1063+50	1078+00	OLD STH 64 MULTI-USE PATH	1450	
0020			OLD STH 64 MULTI-USE PATH	600	INTERSECTION
			TOTAL 0020	2410	
0060			MAIN ST	300	UNDISTRIBUTED
			TOTAL 0060	300	

REMOVING GUARDRAIL

CATEGORY	STATION TO	STATION	LOCATION	204.0165 LF	REMARKS
0020	1050+00	1058+00	OLD STH 64 MULTI-USE PATH	800	LT
0020	1050+00	1078+20	OLD STH 64 MULTI-USE PATH	2820	LT
			TOTAL 0020	3620	

REMOVING DELINEATORS AND MARKERS

CATEGORY	LOCATION	204.0180 EACH	REMARKS
0010	MAIN ST	6	
0010	HILLTOP DRIVE	5	
	TOTAL 0010	11	

REMOVING CONCRETE SIDEWALK

CATEGORY	LOCATION	204.0155 SY	REMARKS
0010	HOULTON SCHOOL CIRCLE	580	
	TOTAL 0010	580	

REMOVING FENCE

CATEGORY	LOCATION	204.0170 LF	REMARKS
0010	HOULTON SCHOOL CIRCLE	500	
0010	STH 35	30	CATTLE PASS
	TOTAL 0010	530	
0020	TOURIST PARK	150	INCLUDES GATE REMOVAL
0020	MAIN TRAILHEAD	700	SAFETY FENCE
0020	MAIN RIVER BRIDGE	77	SAFETY FENCE
	TOTAL 0020	927	

REMOVING SURFACE DRAINS

CATEGORY	LOCATION	204.0190 EACH	REMARKS
0020	OLD STH 64 MULTI-USE PATH	1	
	TOTAL 0020	1	

REMOVING INLETS

CATEGORY	STATION	LOCATION	204.0220 EACH	REMARKS
0010	2026+30	MAIN ST	1	
0010	2033+10	MAIN ST	1	
0010	2034+25	MAIN ST	1	
0010	1207+40	HILLTOP DRIVE	1	
		TOTAL 0010	4	
0020	1066+46	OLD STH 64 MULTI-USE PATH	1	
0020	1069+01	OLD STH 64 MULTI-USE PATH	1	
0020	1072+50	OLD STH 64 MULTI-USE PATH	1	
0020	1076+00	OLD STH 64 MULTI-USE PATH	1	
0020	1078+22	OLD STH 64 MULTI-USE PATH	1	
		TOTAL 0020	5	

3

REMOVING STORM SEWER (SIZE) 01. 18-INCH

CATEGORY	STATION	LOCATION	204.0245.01 LF	REMARKS
0010		HILLTOP DRIVE	55	
		TOTAL 0010	55	
0020	1066+48	OLD STH 64 MULTI-USE PATH	52	
0020	1069+01	OLD STH 64 MULTI-USE PATH	52	
0020	1072+50	OLD STH 64 MULTI-USE PATH	52	
0020	1076+00	OLD STH 64 MULTI-USE PATH	52	
0020	1078+22	OLD STH 64 MULTI-USE PATH	52	
		TOTAL 0020	260	

REMOVING (ITEM DESCRIPTION) 01. REMOVING CABLE GUARD TERMINALS

CATEGORY	STATION	LOCATION	204.9060.S.01 EACH	REMARKS
0010	1203+70	HILLTOP DRIVE	1	
0010	1207+50	HILLTOP DRIVE	1	
		TOTAL 0010	2	

REMOVING (ITEM DESCRIPTION) 02. REMOVING TRAFFIC CONTROL BARRICADES TYPE III PERMANENT

CATEGORY	LOCATION	204.9060.S.02 EACH	REMARKS
0010	OLD STH 64 MULTI-USE PATH	5	
0010	CTH E	4	
	TOTAL 0010	9	

REMOVING (ITEM DESCRIPTION) 01. REMOVING CABLE GUARD 3 STRAND

CATEGORY	STATION TO	STATION	LOCATION	204.9090.S.01 LF	REMARKS
0010	1203+70	- 1207+50	HILLTOP DRIVE	365	
			TOTAL 0010	365	

3

EXCAVATION COMMON

CATEGORY	LOCATION	205.0100 CY	REMARKS
0010	PROJECT WIDE	2260	SEE TABLE
	TOTAL 0010	2260	
0020	PROJECT WIDE	17195	SEE TABLE
	TOTAL 0020	17195	

BORROW

* *EXPANDED THE FILL BY 25%

CATEGORY	LOCATION	208.0100 * CY	REMARKS
0020	MAIN TRAILHEAD	3750	STAGE 1
	TOTAL 0020	3750	

SELECT BORROW

CATEGORY	LOCATION	208.1100 CY	REMARKS
0010	MAIN STREET	595	STA 2028+00 - 2032+00
	TOTAL 0010	595	
0020	MAIN TRAILHEAD PARKING LOT	786	
0020	HOULTON SCHOOL CIRCLE	210	STA 519+33 - 520+75
0020	MAIN TRAILHEAD SIDEPATHS	370	
0020	SHARED USE PATH	460	STA 183+59 - 192+23
0020	HILLTOP TRAILHEAD PARTKING LOT	586	
0020	HILLTOP TRAILHEAD SIDEPATHS	650	
0020	SHARED USE PATH	370	STA 1079+55 - 1082+50
	TOTAL 0020	3432	

Category	Division	From / To Station	Common Excavation (1,7)		Salvaged / Unusable Pavement Material	Available Material	Unexpanded Fill	Expanded Fill (5)	Mass Ordinate + / - (6)	Waste	Borrow (7)	Comment:
			Cut	EBS Excavation (2)				Factor 1.25				
	Stage 1A											
0010	Hilltop Temporary Bypass	0+00 - 14+88	46			46	476	595	-549	0	549	
0020	Main Trailhead Parking lot	519+33 - 522+55	487	0	135	352	392	490	-138	0	138	
0020	Main Trailhead Rain Garden Area		107	0	0	107	1,543	1,929	-1,822	0	1,822	
0020	Main Trailhead Shared Use Path	183+59 - 192+30	556	0	0	556	775	969	-413	0	413	
0020	Main Trailhead East Berm		0	0	0	0	1,736	2,170	-2,170	0	2,170	
0020	Main Trailhead South Pond		1,750	0	0	1,750	182	227	1,523	1,523	0	
0020	Main Trailhead East Pond		1,790	0	0	1,790	391	489	1,301	1,301	0	
0020	Main Trailhead Sidepath EW	0+00 - 1+44	0	0	0	0	2,258	2,823	-2,823	0	2,823	
0020	Main Trailhead Sidepath NS	0+50 - 2+88	0	0	0	0	774	968	-968	0	968	
0020	Temp Waste Site Main Trailhead		2,300	0	0	2,300	0	0	2,300	2,300	0	
	Stage 1 Subtotal		7,036	0	135	6,901	8,527	10,659	-3,758	5,124	8,882	
	Stage 1B											
0020	Hilltop Drive/Hilltop Road	1201+00 - 1208+50	1,351	0	220	1,131	945	1,181	-50	0	50	
0020	Houlton School Circle	500+29 - 514+02	821	0	0	821	109	136	685	685	0	
0020	Main Street	2027+44 - 2034+50	1,820	0	1,426	395	557	696	-302	0	302	
	Stage 1B Subtotal		3,992	0	1,646	2,347	1,611	2,014	333	685	352	
	Stage 2											
0020	CTH E hill removal	1100+37 - 1107+20	0	0	0	0	1,014	1,268	-1,268	0	1,268	
0020	STH 64 hill shared use path	1050+00 - 1082+63	3,105		1,996	1,109	470	588	522	522	0	
0020	Hilltop Trailhead Parking Lot		334	0	0	334	1,231	1,539	-1,205	0	1,205	
0020	Hilltop Trailhead Rain Garden Area		691	0	0	691	17	21	670	670	0	
0020	Hilltop Trailhead Sidepath		10	0	0	10	352	440	-430	0	430	
0020	Hilltop Trailhead drainage ditch		1,163	0	0	1,163	73	91	1,072	1,072	0	
0010	Hawk Street N shared use path	10+50 - 18+00	214	0	0	214	0	0	214	214	0	
0020	Main Street	2016+25 - 2024+50	910	0	45	865		0	865	865	0	
0010	Remove Remaining Topsoil Stockpile		2,000	0	0	2,000	0	0	2,000	2,000	0	
	Stage 2 Subtotal		8,427	0	2,041	6,386	3,157	3,946	2,440	5,343	2,902	
	Stage 3											
0010	Hawk Street South		0	0	0	0	32	40	-40	0	40	behind curb
0010	Park & Ride Lot		0	0	0	0	168	210	-210	0	210	behind curb
	Stage 3 Subtotal		0	0	0	0	200	250	-250	0	250	
	Grand Total		19,455.00	0.00	3,821.50	15,633.50	13,494.40	16,868.00	-1,234.50	11,151.50	12,386.00	
		Total Common Exc	19,455.00									

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) EBS Excavation to be backfilled with Cut material.
3) Reduced EBS in Fill - Excavated EBS material is usable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
4) Expanded EBS Backfill - This is to be filled with Select Borrow material. EBS Backfill Factor = 1.3.
5) Expanded Fill. Factor = 1.25

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

6) 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.
7) Use waste material on site for borrow material.

PREPARE FOUNDATION FOR ASPHALTIC PAVING (PROJECT) 01.8110-02-73

CATEGORY	LOCATION	211.0100 LS	REMARKS
0010	PARK AND RIDE	1	
	TOTAL 0010	1	

PREPARE FOUNDATION FOR CONCRETE PAVEMENT (PROJECT) 01. 8110-02-73

CATEGORY	LOCATION	211.0200 LS	REMARKS
0010	PARK AND RIDE	1	
	TOTAL 0010	1	

FINISHING ROADWAY (PROJECT) 01.8110-02-73

CATEGORY	LOCATION	213.0100 EACH	REMARKS
0010	PROJECT WIDE	0.25	
	TOTAL 0010	0.25	
0020	PROJECT WIDE	0.55	
	TOTAL 0020	0.55	
0040	PROJECT WIDE	0.05	
	TOTAL 0040	0.05	
0050	PROJECT WIDE	0.10	
	TOTAL 0050	0.10	
0060	PROJECT WIDE	0.05	
	TOTAL 0060	0.05	

BASE AGGREGATE DENSE 3/4-INCH

CATEGORY	STATION TO	STATION	LOCATION	305.0110 TON	REMARKS
0010	2027+45	- 2034+50	MAIN ST	211	
0010	1201+00	- 1208+51	HILLTOP DRIVE	260	
0010	10+00	- 14+30	HAWK STREET	70	
0010	50+00	- 53+00	PARK AND RIDE	66	
0010			UNDISTRIBUTED	100	
0010	20+00	- 25+90	SNOW ROAD	124	
0010	101+18	- 109+00	MULTI-USE TRAIL	15	
0010	183+59	- 192+23	SHARED-USE PATH	32	
0010	500+52	- 520+75	HOULTON SCHOOL CIRCLE	181	
			TOTAL 0010	1059	
0020			HILLTOP PARKING LOT	38	
0020	519+34	- 520+75	MAIN TRAIL HEAD PARKING LOT	21	
0020	520+75	- 522+55	MAIN TRAIL HEAD PARKING LOT	30	
0020	1050+00	- 1082+53	OLD STH 64 MULTI-USE PATH	340	
			TOTAL 0020	429	
0060	2015+75	- 2027+45	MAIN ST	125	
0060	2034+50	- 2045+00	MAIN ST	145	
			TOTAL 0060	270	

BASE AGGREGATE DENSE 1 1/4-INCH

CATEGORY	STATION TO	STATION	LOCATION	305.0120 TON	REMARKS
0010	2027+45	2034+50	MAIN ST	1340	
0010	519+33	520+75	HOULTON SCHOOL CIRCLE	486	
0010	500+52	513+87	PATH	748	
0010	1201+00	- 1208+51	HILLTOP DRIVE	1770	
0010	0+00	- 14+89	HILLTOP DRIVE BYPASS	2010	
0010	10+59	- 18+29	HAWK ST PATH	314	
0010	17+50		STH 35	6	
0010	17+50		STH 35	6	
0010			PARK AND RIDE/PATH	500	
0010			UNDISTRIBUTED	50	
			TOTAL 0010	7230	
0020			HILLTOP PARKING LOT	1214	
0020			MAIN TRAILHEAD PARKING LOT	1283	
0020	0+00	- 2+88	MAIN TRAILHEAD SIDE TRAIL	403	
0020	183+59	- 192+23	SHARED-USE PATH	783	
0020	1050+00	1082+53	OLD STH 64 MULTI-USE PATH	5910	
			TOTAL 0020	9593	

SHAPING SHOULDERS

CATEGORY	STATION TO	STATION	LOCATION	305.0500 STA	REMARKS
0010	500+52 -	513+87	HOULTON SCHOOL CIRCLE	4	LT
0010	0+77	7+24	STATE ST	14	LT AND RT
0010	0+71	1+61	RAINBOW ST	2	LT AND RT
			TOTAL 0010	20	
0060	2004+01 -	2027+45	MAIN ST	24	
0060	2034+50	2045+00	MAIN ST	11	
			TOTAL 0050	35	

SHAPING ROADWAY

CATEGORY	STATION TO	STATION	LOCATION	305.0502.S STA	REMARKS
0060	2034+50 -	2045+00	MAIN ST	11	
			TOTAL 0050	11	

COLORING CONCRETE CUSTOM 01. LIGHT TAN

CATEGORY	STATION	LOCATION	405.0200.01 CY	REMARKS
0020	PLAZA I	OLD STH 64 MULTI-USE PATH	2	
0020	PLAZA II	OLD STH 64 MULTI-USE PATH	1	
0020		HILLTOP TRAILHEAD	6	
		TOTAL 0020	9	

COLORING CONCRETE CUSTOM 02. WHITE

CATEGORY	STATION	LOCATION	405.0200.02 CY	REMARKS
0020	CROSSWALK	OLD STH 64 MULTI-USE PATH	8	
		TOTAL 0020	8	

COLORING CONCRETE CUSTOM 03. DARK TAN

CATEGORY	STATION	LOCATION	405.0200.03 CY	REMARKS
0010		STH 35 OVERPASS	54	
0010		STH 35 OVERPASS	54	
		TOTAL 0010	108	
0020	PLAZA I	OLD STH 64 MULTI-USE PATH	8	
0020	PLAZA II	OLD STH 64 MULTI-USE PATH	8	
0020		HILLTOP TRAILHEAD	8	
		TOTAL 0020	24	

COLORING CONCRETE CUSTOM 04. DARK GREY

CATEGORY	STATION	LOCATION	405.0200.04 CY	REMARKS
0020	CROSSWALK	OLD STH 64 MULTI-USE PATH	8	
		TOTAL 0020	8	

CONCRETE PAVEMENT 6-INCH

CATEGORY	STATION TO	STATION	LOCATION	415.0060 SY	REMARKS
0010	50+00 -	53+00	PARK AND RIDE	142	
			TOTAL 0010	142	

CONCRETE DRIVEWAY HES 6-INCH

CATEGORY	STATION	LOCATION	416.0260 SY	REMARKS
0010	17+50	STH 35	15	CATTLE PASS
0010	17+50	STH 35	15	CATTLE PASS
		TOTAL 0010	30	

CONCRETE PAVEMENT 8-INCH

CATEGORY	STATION TO	STATION	LOCATION	415.0080 SY	REMARKS
0010	50+00 -	53+00	PARK AND RIDE	105	
			TOTAL 0010	105	

HMA PAVEMENT 3 LT 58-28 S

CATEGORY	STATION TO	STATION	LOCATION	460.5223 TON	REMARKS
0010	519+33 -	520+75	HOULTON SCHOOL CIRCLE	32	
0010	519+33 -	520+75	HOULTON SCHOOL CIRCLE	32	
			TOTAL 0010	64	
0020			HILLTOP PARKING AREA	1224	
0020			MAIN TRAILHEAD PARKING	1293	
			TOTAL 0020	2517	

TACK COAT

CATEGORY	STATION TO	STATION	LOCATION	455.0605 GAL	REMARKS
0010			HOULTON SCHOOL CIRCLE	45	
0010			RAINBOW ST	10	
0010			HOULTON SCHOOL CIRCLE	229	
0010			HAWK STREET	153	
0010			SNOW ROAD	147	
0010			PARK AND RIDE	232	
0010			MAIN ST	199	
			TOTAL 0010	1015	
0020			MAIN PARKING	92	
0020	101+17 -	109+00	MULTI USE TRAIL	35	
0020	1050+00 -	1082+53	OLD STH 64 MULTI-USE PATH	359	
0020			HILLTOP PARKING	87	
			TOTAL 0020	573	
0060	2004+01 -	2027+45	MAIN ST	337	
0060	2034+50 -	2045+00	MAIN ST	149	
			TOTAL 0060	486	

HMA PAVEMENT 4 LT 58-34 S

CATEGORY	LOCATION	460.5244 TON	REMARKS
0020	MAIN TRAILHEAD PARKING LOT	962	
0020	HILLTOP DRIVE PARKING LOT	770	
	TOTAL 0020	1732	

HMA PAVEMENT 4 LT 58-28 S

CATEGORY	STATION TO	STATION	LOCATION	460.5224 TON	REMARKS
0010	519+33 -	520+75	HOULTON SCHOOL CIRCLE	25	
0010	519+33 -	520+75	HOULTON SCHOOL CIRCLE	25	
			TOTAL 0010	50	
0020			HILLTOP PARKING AREA	239	
			TOTAL 0020	239	

HMA PAVEMENT 5 LT 58-34 S

CATEGORY	STATION TO	STATION	LOCATION	460.5245 TON	REMARKS
0010	500+52 -	519+34	HOULTON SCHOOL CIRCLE	529	
0010	500+52 -	513+87	HOULTON SCHOOL PATH	249	
0010	183+59 -	192+23	MAIN TRAILHEAD PATH	194	
0010	0+18 -	0+92	HILLTOP TRAILHEAD SIDE TRAIL	32	
0010	0+00 -	2+88	MAIN TRAILHEAD SIDE TRAIL	109	
0010	10+59 -	18+29	HAWK STREET PATH	144	
0010	101+17 -	109+00	MULTI-USE TRAIL	97	
			TOTAL 0010	1354	
0020	1050+00 -	1082+53	OLD STH 64 MULTI-USE PATH	1509	
			TOTAL 0020	1509	
0060	2015+75 -	2024+59	MAIN STREET	165	
			TOTAL 0060	165	

HMA PAVEMENT 5 MT 58-34 H

CATEGORY	STATION TO	STATION	LOCATION	460.6445 TON	REMARKS
0010	0+77 -	7+24	STATE ST	250	INCLUDES WEDGING
0010	0+63 -	1+61	RAINBOW ST	50	INCLUDES WEDGING
0010	1201+00 -	1208+51	HILLTOP DRIVE	224	
0010	10+30 -	14+30	HAWK STREET	125	
0010	20+00 -	26+00	SNOW ROAD	120	
0010	2027+44 -	2034+50	MAIN ST	279	
0010	2015+75	2024+59	MAIN ST	220	SIDE TRAIL
			TOTAL 0010	1268	
0060	2004+01 -	2027+45	MAIN ST	833	
0060	2034+50 -	2045+00	MAIN ST	418	
			TOTAL 0060	1251	

HMA PAVEMENT 4 MT 58-34 H

CATEGORY	STATION TO	STATION	LOCATION	460.6444 TON	REMARKS
0010	1201+00 -	1208+51	HILLTOP DRIVE	224	
0010	10+30 -	14+30	HAWK STREET	335	
0010	20+00 -	26+00	SNOW ROAD	320	
0010	2027+44 -	2034+50	MAIN ST	279	
			TOTAL 0010	1158	

HMA PAVEMENT 4 HT 58-34 V

CATEGORY	STATION TO	STATION	LOCATION	460.7644 TON	REMARKS
0010	50+00 -	53+00	PARK AND RIDE	475	
			TOTAL 0010	475	

ASPHALTIC SURFACE

CATEGORY	STATION TO	STATION	LOCATION	465.0105 TON	REMARKS
0020	101+17 -	109+00	MULTI-USE TRAIL	95	
			TOTAL 0020	95	

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ASPHALTIC SURFACE PATCHING

CATEGORY	LOCATION	465.0110 TON	REMARKS
0060	UNDISTRIBUTED	500	FOR MILLED SURFACE PATCHING
	TOTAL 0060	500	

ASPHALTIC FLUMES

CATEGORY	STATION TO	STATION	LOCATION	465.0315 SY	REMARKS
0010	10+00	- 14+30	HAWK STREET	15	
0010	512+72		HOULTON SCHOOL CIRCLE	15	
0010	514+02		HOULTON SCHOOL CIRCLE	15	
			TOTAL 0010	45	
0020	1058+11		OLD STH 64 MULTI-USE PATH	15	
			TOTAL 0020	15	
0060	2007+20		MAIN ST	13	
0060	2007+48		MAIN ST	13	
0060	2015+90		MAIN ST	13	
0060	2029+30		MAIN ST	13	
			TOTAL 0060	52	

CONCRETE STAINING (STRUCTURE) 01. B-55-226

CATEGORY	LOCATION	517.1010.S SF	REMARKS
0010	STH 35 OVERPASS	480	
	TOTAL 0010	480	

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

CATEGORY	STATION	LOCATION	465.0120 TON	REMARKS
0010	501+80	HOULTON SCHOOL CIRCLE	7	
0010	503+03	HOULTON SCHOOL CIRCLE	3	
0010	509+54	HOULTON SCHOOL CIRCLE	1	
0010	511+87	HOULTON SCHOOL CIRCLE	9	
0010	513+53	HOULTON SCHOOL CIRCLE	5	
		TOTAL 0010	26	
0060		MAIN ST	90	
		TOTAL 0060	90	

CONCRETE MASONRY ENDWALLS

CATEGORY	STATION TO	STATION	LOCATION	504.0900 CY	REMARKS
0020	1064+75	- 1065+65	OLD STH 64 MULTI-USE PATH	20	
			TOTAL 0020	20	

APRON ENDWALLS FOR CULVERT PIPE 15-INCH

CATEGORY	STATION TO	STATION	LOCATION	520.1015 EACH	REMARKS
0010	511+85		HOULTON SCHOOL CIRCLE	2	
			TOTAL 0010	2	
0020			HILLTOP PARKING	2	
0020			HILLTOP PARKING	2	
			TOTAL 0020	4	

APRON ENDWALLS FOR CULVERT PIPE 18-INCH

CATEGORY	STATION	LOCATION	520.1018 EACH	REMARKS
0010	513+65	HOULTON SCHOOL CIRCLE	2	
		TOTAL 0010	2	
0020		MAIN TRAILHEAD	2	
		TOTAL 0020	2	

APRON ENDWALLS FOR CULVERT PIPE 24-INCH

CATEGORY	STATION	LOCATION	520.1024 EACH	REMARKS
0010	500+48	HOULTON SCHOOL CIRCLE	2	
0010		HILLTOP DRIVE TEMP PIPE	2	
0010		HILLTOP DRIVE	2	
0010		HILLTOP DRIVE	2	
0010	2018+40	MAIN STREET	2	
		TOTAL 0010	10	

CULVERT PIPE TEMPORARY 24-INCH

CATEGORY	LOCATION	520.2024 LF	REMARKS
0010	HILLTOP DRIVE	70	
	TOTAL 0010	70	

CULVERT PIPE CLASS III-A NON-METAL 12-INCH

CATEGORY	LOCATION	520.3412 LF	REMARKS
0010	HOULTON SCHOOL CIRCLE	56	
	TOTAL 0010	56	

CULVERT PIPE CLASS III-A NON-METAL 18-INCH

CATEGORY	STATION	LOCATION	520.3418 LF	REMARKS
0010	513+65	HOULTON SCHOOL CIRCLE	67	
		TOTAL 0010	67	
0020		MAIN TRAILHEAD	144	
		TOTAL 0020	144	

APRON ENDWALLS FOR CULVERT PIPE 30-INCH

CATEGORY	STATION	LOCATION	520.1030 EACH	REMARKS
0010	2029+34	MAIN ST	2	
		TOTAL 0010	2	

CULVERT PIPE CLASS III-A NON-METAL 15-INCH

CATEGORY	STATION TO	STATION	LOCATION	520.3415 LF	REMARKS
0010	511+60 -	512+15	HOULTON SCHOOL CIRCLE	50	
			TOTAL 0010	50	
0020			HILLTOP PARKING	50	
0020			HILLTOP PARKING	37	
			TOTAL 0020	87	

CULVERT PIPE CLASS III-A NON-METAL 24-INCH

CATEGORY	STATION	LOCATION	520.3424 LF	REMARKS
0010	500+48	HOULTON SCHOOL CIRCLE	75	
0010		HILLTOP DRIVE	62	
0010		HILLTOP DRIVE	62	
0010	2018+40	MAIN STREET	62	
		TOTAL 0010	261	

CULVERT PIPE CLASS III-A NON-METAL 30-INCH

CATEGORY	STATION	LOCATION	520.3430 LF	REMARKS
0010	2029+34	MAIN ST	152	
		TOTAL 0010	152	

CULVERT PIPE REINFORCED CONCRETE CLASS III 12-INCH

CATEGORY	LOCATION	522.0112 LF	REMARKS
0020	MAIN PARKING	40	
0020	MAIN PARKING	40	
	TOTAL 0020	80	

CULVERT PIPE REINFORCED CONCRETE CLASS III 42-INCH

CATEGORY	STATION TO	STATION	LOCATION	522.0142 LF	REMARKS
0020	1064+75 -	1065+65	OLD STH 64 MULTI-USE PATH	40	
0020	1064+75 -	1065+65	OLD STH 64 MULTI-USE PATH	40	
			TOTAL 0020	80	

CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH

CATEGORY	STATION	LOCATION	522.0424 LF	REMARKS
0010	519+51	HOULTON SCHOOL CIRCLE	56	
		TOTAL 0010	56	

APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH

CATEGORY	LOCATION	522.1012 EACH	REMARKS
0020	MAIN PARKING	2	
0020	MAIN PARKING	2	
	TOTAL 0020	4	

APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH

CATEGORY	LOCATION	522.1015 EACH	REMARKS
0010	MAIN STREET	1	
	TOTAL 0010	1	
0020	HILLTOP PARKING	1	
	TOTAL 0020	1	

APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH

CATEGORY	STATION	LOCATION	522.1018 EACH	REMARKS
0020	1066+47	OLD STH 64 MULTI-USE PATH	1	
0020	2026+36	MAIN ST	1	
		TOTAL 0020	2	

APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH

CATEGORY	STATION	LOCATION	522.1030 EACH	REMARKS
0020	1066+47	OLD STH 64 MULTI-USE PATH	1	
		TOTAL 0020	1	

CONCRETE CURB & GUTTER 18-INCH TYPE D

CATEGORY	LOCATION	601.0407 LF	REMARKS
0020	HILLTOP PARKING	301	
	TOTAL 0020	301	

CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G

CATEGORY	STATION TO	STATION	LOCATION	601.0413 LF	REMARKS
0020	1058+18 -	1079+50	OLD STH 64 MULTI-USE PATH	200	REST AREAS
			TOTAL 0020	200	

APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH

CATEGORY	STATION	LOCATION	522.1024 EACH	REMARKS
0010	519+51	HOULTON SCHOOL CIRCLE	2	
		TOTAL 0010	2	
0020	1064+00	OLD STH 64 MULTI-USE PATH	1	
		TOTAL 0020	1	

CONCRETE CURB TYPE A

CATEGORY	STATION TO	STATION	LOCATION	601.0105 LF	REMARKS
0010	50+00 -	53+00	PARK AND RIDE	113	
			TOTAL 0010	113	

CONCRETE CURB & GUTTER 30-INCH TYPE D

CATEGORY	STATION TO	STATION	LOCATION	601.0411 LF	REMARKS
0010	2015+55 -	2015+92	MAIN ST	58	
0010	2015+52 -	2015+74	MAIN ST	24	
0010	2018+40	2018+63	MAIN ST	23	
0010	2026+30 -	2026+42	MAIN ST	12	
0010	2027+44 -	2029+30	MAIN ST	185	
0010	2028+62 -	2028+94	MAIN ST	49	
0010	2029+34 -	2029+54	MAIN ST	50	
0010	10+00 -	14+30	HAWK STREET SOUTH	250	
0010	50+00 -	53+00	PARK AND RIDE	46	
0010			UNDISTRIBUTED	200	
			TOTAL 0010	897	

CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J

CATEGORY	STATION TO	STATION	LOCATION	601.0415 LF	REMARKS
0020	1058+18 -	1079+50	OLD STH 64 MULTI-USE PATH	1939	
			TOTAL 0020	1939	

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D

CATEGORY	STATION TO	STATION	LOCATION	601.0557 LF	REMARKS
0010	50+00	- 53+00	PARK AND RIDE	162	
			TOTAL 0010	162	
0020			HILLTOP PARKING	55	
			TOTAL 0020	55	

CONCRETE SIDEWALK 4-INCH

CATEGORY	STATION TO	STATION	LOCATION	602.0405 SF	REMARKS
0010	10+00	- 14+30	HAWK STREET SOUTH	1900	
0010	50+00	- 53+00	PARK AND RIDE	2075	
			TOTAL 0010	3975	
0020			MAIN TRAILHEAD	100	
0020			MAIN TRAILHEAD	100	
0020			MAIN TRAILHEAD	100	
0020			MAIN TRAILHEAD	100	
0020			MAIN TRAILHEAD	142	
0020			MAIN TRAILHEAD	12	
0020			MAIN TRAILHEAD	12	
0020			MAIN TRAILHEAD	12	
0020	133+08		OLD STH 64 MULTI-USE PATH	90	
			TOTAL 0020	568	

CONCRETE SIDEWALK 7-INCH

CATEGORY	STATION	LOCATION	602.0420 SF	REMARKS
0020		HILLTOP PARKING	74	
0020		HILLTOP PARKING	663	
0020		OLD STH 64 MULTI-USE PATH	3900	REST ARES
0020		MAIN TRAILHEAD	1590	CONCRETE JOINT LAYOUT REQUIRED
0020	165+50	SHARED USE PATH	200	
0020	PLAZA I	OLD STH 64 MULTI-USE PATH	85	LIGHT TAN
0020	PLAZA I	OLD STH 64 MULTI-USE PATH	390	DARK TAN
0020	PLAZA II	OLD STH 64 MULTI-USE PATH	50	LIGHT TAN
0020	PLAZA II	OLD STH 64 MULTI-USE PATH	265	DARK TAN
		TOTAL 0020	7217	

CONCRETE CURB PEDESTRIAN

CATEGORY	STATION TO	STATION	LOCATION	601.0600 LF	REMARKS
0010	2015+60	- 2015+75	MAIN ST	15	
0010	2015+50	- 2015+65	MAIN ST	25	
0010	513+50	- 513+60	HOULTON SCHOOL CIRCLE	10	
0010			HAWK STREET	30	
			TOTAL 0010	80	
0020			HILLTOP PARKING	25	
0020			MAIN TRAILHEAD	20	
			TOTAL 0020	45	

CONCRETE SIDEWALK 6-INCH

CATEGORY	STATION TO	STATION	LOCATION	602.0415 SF	REMARKS
0020			HILLTOP PARKING	288	
0020	165+16	- 165+57	SHARED USE PATH	150	
0020	156+38	- 156+61	SHARED USE PATH	24	
0020	133+00		STH 64 WB	92	
0020		CROSSWALK	OLD STH 64 MULTI-USE PATH	400	DARK GREY
0020		CROSSWALK	OLD STH 64 MULTI-USE PATH	400	WHITE
			TOTAL 0020	1354	

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CATEGORY	LOCATION	602.0515 SF	REMARKS
0010	PARK AND ROAD	30	
0010	HAWK STREET SOUTH	17	
	TOTAL 0010	47	
0020	HILLTOP PARKING	88	
0020	MAIN PARKING	30	
	TOTAL 0020	118	

SLOPE PAVING CONCRETE

CATEGORY	LOCATION	604.0400 SY	REMARKS
0010	STH 35 OVERPASS	54	
	TOTAL 0010	54	

RIPRAP LIGHT

CATEGORY	STATION	LOCATION	606.0100 CY	REMARKS
0010	1101+00	CTH E	9	
0010	1101+90	CTH E	9	
0010	1103+90	CTH E	9	
0010	1105+90	CTH E	9	
0010		PARK AND RIDE	15	
		TOTAL 0010	51	
0020		HILLTOP RAIN GARDEN	13	
		TOTAL 0020	13	

RIPRAP HEAVY

CATEGORY	STATION TO	STATION	LOCATION	606.0300 CY	REMARKS
0010	1101+89 -	1100+82	CTH E	14	
0010	1101+98 -	1102+05	CTH E	14	
0010	1103+96 -	1104+05	CTH E	14	
			TOTAL 0010	43	
0020			MAIN RIVER BRIDGE	40	
			TOTAL 0020	40	

STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH

CATEGORY	STATION	LOCATION	608.0318 LF	REMARKS
0010	2026+36	MAIN STREET	42	
		TOTAL 0010	42	
0020	1063+00	OLD STH 64 MULTI-USE PATH	71	
0020	1066+48	OLD STH 64 MULTI-USE PATH	53	
0020	1069+01	OLD STH 64 MULTI-USE PATH	55	
0020	1072+50	OLD STH 64 MULTI-USE PATH	53	
0020	1076+00	OLD STH 64 MULTI-USE PATH	54	
0020	1078+22	OLD STH 64 MULTI-USE PATH	59	
0020	1078+22	OLD STH 64 MULTI-USE PATH	12	
		TOTAL 0020	357	

STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH

CATEGORY	STATION	LOCATION	608.0315 LF	REMARKS
0010	2027+45	MAIN STREET	53	
		TOTAL 0010	53	

STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH

CATEGORY	STATION	LOCATION	608.0324 LF	REMARKS
0020	1064+00	OLD STH 64 MULTI-USE PATH	35	
		TOTAL 0020	35	
0060	2026+36	MAIN ST	36	
		TOTAL 0060	36	

STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH

CATEGORY	STATION	LOCATION	608.0330 LF	REMARKS
0020	1063+73	OLD STH 64 MULTI-USE PATH	21	
		TOTAL 0020	21	

STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH

CATEGORY	LOCATION	608.0412 LF	REMARKS
0020	HILLTOP PARKING	20	
0020	HILLTOP PARKING	100	
0020	HILLTOP PARKING	106	
	TOTAL 0020	226	

STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH

CATEGORY	LOCATION	608.0415 LF	REMARKS
0020	HILLTOP PARKING	41	
	TOTAL 0020	41	

MANHOLE COVERS TYPE J

CATEGORY	LOCATION	611.0530 EACH	REMARKS
0020	HILLTOP PARKING	1	
	TOTAL 0020	1	

INLET COVERS TYPE H

CATEGORY	STATION TO	STATION	LOCATION	611.0624 EACH	REMARKS
0010	2026+36		MAIN STREET	1	
0010	2027+45		MAIN STREET	1	
			TOTAL 0010	2	
0020	1066+46		OLD STH 64 MULTI-USE PATH	1	
0020	1063+00	- 1065+49	OLD STH 64 MULTI-USE PATH	2	
0020	1069+01		OLD STH 64 MULTI-USE PATH	1	
0020	1072+50		OLD STH 64 MULTI-USE PATH	1	
0020	1076+00		OLD STH 64 MULTI-USE PATH	1	
0020	1078+22		OLD STH 64 MULTI-USE PATH	1	
			TOTAL 0020	7	

MANHOLES 4-FT DIAMETER

CATEGORY	LOCATION	611.2004 EACH	REMARKS
0020	HILLTOP PARKING	1	
	TOTAL 0020	1	

INLETS 4-FT DIAMETER

CATEGORY	STATION TO	STATION	LOCATION	611.3004 EACH	REMARKS
0010	2026+36		MAIN STREET	1	
0010	2027+45		MAIN STREET	1	
			TOTAL 0010	2	
0020	1066+46		OLD STH 64 MULTI-USE PATH	1	
0020	1063+00	- 1065+49	OLD STH 64 MULTI-USE PATH	2	
0020	1069+01		OLD STH 64 MULTI-USE PATH	1	
0020	1072+50		OLD STH 64 MULTI-USE PATH	1	
0020	1076+00		OLD STH 64 MULTI-USE PATH	1	
0020	1078+22		OLD STH 64 MULTI-USE PATH	1	
			TOTAL 0020	7	

SALVAGED RAIL

CATEGORY	STATION	LOCATION	614.0920 LF	REMARKS
0010	1107+50	CTH E	30	
0010	1104+50	CTH E	30	
		TOTAL 0010	60	

FENCE SAFETY

CATEGORY	STATION	LOCATION	616.0700.S LF	REMARKS
0010	505+50	HOULTON SCHOOL CIRCLE	500	EXISTING LANDSCAPE PROTECTION
		TOTAL 0010	500	

INLET COVERS TYPE Z

CATEGORY	LOCATION	611.0666 EACH	REMARKS
0020	HILLTOP PARKING	3	
	TOTAL 0020	3	

INLETS 3-FT DIAMETER

CATEGORY	LOCATION	611.3003 EACH	REMARKS
0020	HILLTOP PARKING	3	
	TOTAL 0020	3	

INLETS 2.5X3-FT

CATEGORY	STATION	LOCATION	611.3253 EACH	REMARKS
0060	2026+36	MAIN ST	1	
		TOTAL 0060	1	

MOBILIZATION

CATEGORY	LOCATION	619.1000 EACH	REMARKS
0010	PROJECT WIDE	0.25	
	TOTAL 0010	0.25	
0020	PROJECT WIDE	0.55	
	TOTAL 0020	0.55	
0040	PROJECT WIDE	0.05	
	TOTAL 0040	0.05	
0050	PROJECT WIDE	0.10	
	TOTAL 0050	0.10	
0060	PROJECT WIDE	0.05	
	TOTAL 0060	0.05	

WATER

CATEGORY	LOCATION	624.0100 MGAL	REMARKS
0010	UNDISTRIBUTED	10	DUST CONTOL
	TOTAL 0010	10	

TOPSOIL

CATEGORY	LOCATION	625.0105 CY	REMARKS
0010	CTH E	280	SOURCE: WISDOT STOCK PILE
	TOTAL 0010	280	
0020	OLD STH 64 MULTI-USE PATH	200	SOURCE: WISDOT STOCK PILE
	TOTAL 0020	200	
0030	TOURIST PARK	140	SOURCE: WISDOT STOCK PILE
	TOTAL 0030	140	

MULCHING

CATEGORY	STATION TO	STATION	LOCATION	627.0200 SY	REMARKS
0010	2027+44 -	2034+50	MAIN ST	6874	
0010	500+52 -	513+87	HOULTON SCHOOL CIRCLE	1724	
0010	500+52 -	513+88	HOULTON SCHOOL CIRCLE	644	
0010	1201+00 -	1208+51	HILLTOP DRIVE	3161	
0010			HAWK STREET SOUTH	30	
0010			PARK AND RIDE	70	
0010			HAWK STREET	2900	
0010			UNDISTRIBUTED	160	
			TOTAL 0010	15563	
0020			HILLTOP PARKING LOT	6776	
0020			MAIN TRAIL HEAD PARKING LOT	19844	
0020			MAIN TRAIL HEAD PARKING LOT	1315	TEMP STOCK PILE
0020	1050+00 -	1082+68	OLD STH 64 MULTI-USE PATH	3723	
0020	1050+00 -	1082+68	OLD STH 64 MULTI-USE PATH	3111	
			TOTAL 0020	34769	

SALVAGED TOPSOIL

CATEGORY	STATION TO	STATION	LOCATION	625.0500 SY	REMARKS
0010	500+52 -	513+87	HOULTON SCHOOL CIRCLE	1724	
0010	500+52 -	513+88	HOULTON SCHOOL CIRCLE	644	
0010	1100+37 -	1107+50	CTH E	360	
0010			HAWK STREET	2900	
0010	2027+44 -	2034+50	MAIN ST	6874	
0010	1201+00 -	1208+50	HILLTOP DRIVE	3161	
0010			HAWK STREET SOUTH	470	
0010			PARK AND RIDE	70	
0010			UNDISTRIBUTED	60	
			TOTAL 0010	16263	
0020			MAIN TRAILHEAD PARKING LOT	19844	
0020			MAIN TRAILHEAD PARKING LOT	1315	TEMP WASTE SITE STOCK PILE
0020			HILLTOP PARKING LOT	6776	
0020			TOURIST CAMP/NEEDHAM RAZING	1780	
			TOTAL 0020	29715	

EROSION BALES

CATEGORY	STATION	LOCATION	628.1104 EACH	REMARKS
0010	2026+00	MAIN ST	15	
0010	2027+25	MAIN ST	15	
		TOTAL 0010	30	
0020	1080+07	OLD STH 64 MULTI-USE PATH	15	
0020		HILLTOP PARKING	30	
0020		MAIN RIVER BRIDGE	30	PED RAILING
		TOTAL 0020	75	

3

SILT FENCE

CATEGORY	LOCATION	628.1504 LF	REMARKS
0010	HAWK STREET SOUTH	200	
0010	UNDISTRIBUTED	300	
	TOTAL 0010	500	

SILT FENCE MAINTENANCE

CATEGORY	LOCATION	628.1520 LF	REMARKS
0010	HAWK STREET SOUTH	200	
0010	UNDISTRIBUTED	300	
	TOTAL 0010	500	

MOBILIZATIONS EROSION CONTROL

CATEGORY	LOCATION	628.1905 EACH	REMARKS
0010	STH 64	3	
	TOTAL 0010	3	

MOBILIZATIONS EMERGENCY EROSION CONTROL

CATEGORY	LOCATION	628.1910 EACH	REMARKS
0010	STH 64	3	
	TOTAL 0010	3	

CLEANING SEDIMENT BASINS

CATEGORY	LOCATION	628.1920 CY	REMARKS
0010	UNDISTRIBUTED	12	
	TOTAL 0010	12	

EROSION MAT CLASS I TYPE A

CATEGORY	STATION TO	STATION	LOCATION	628.2002 SY	REMARKS
0010	500+52 -	513+87	HOULTON SCHOOL CIRCLE	850	
0010			STATE ST/RAINBOW ST	221	
0010	1206+68 -	1208+77	HILLTOP RD	136	
0010	1207+56 -	1208+30	HILLTOP RD	77	
0010	2015+58 -	2024+60	MAIN ST	458	
			TOTAL 0010	1742	
0020	1060+00 -	1063+66	OLD STH 64 MULTI-USE PATH	386	
0020			HILLTOP TRAILHEAD	646	
0020			TOURIST CAMP/NEEDHAM RAZING	1780	
			TOTAL 0020	2812	
0030			TOURIST PARK	2445	
			TOTAL 0030	2445	

EROSION MAT URBAN CLASS I TYPE B

CATEGORY	STATION TO	STATION	LOCATION	628.2008 SY	REMARKS
0010	517+83 -	519+16	HOULTON SCHOOL CIRCLE	419	
0010	520+40 -	520+75	HOULTON SCHOOL CIRCLE	894	
0010	521+37 -	522+51	HOULTON SCHOOL CIRCLE	1816	
0010	2025+03 -	2028+54	MAIN ST	357	
0010	2026+94 -	2034+50	MAIN ST	1164	
0010			HAWK STREET SOUTH	470	
0010			UNDISTRIBUTED	200	
			TOTAL 0010	5319	
0020	1050+00 -	1080+85	OLD STH 64 MULTI-USE PATH	1780	
0020	1050+00 -	1058+99	OLD STH 64 MULTI-USE PATH	517	
0020	1079+51 -	1080+74	OLD STH 64 MULTI-USE PATH	305	
0020			HILLTOP PARKING	360	
0020			MAIN TRAILHEAD	1472	
			TOTAL 0020	4434	

EROSION MAT CLASS II TYPE B

CATEGORY	STATION TO	STATION	LOCATION	628.2023 SY	REMARKS
0010	1100+37 -	1107+50	CTH E	360	
0010				200	UNDISTRIBUTED
			TOTAL 0010	560	
0020	1050+00 -	1080+85	OLD STH 64 MULTI-USE PATH	1740	
0020	1062+00 -	1063+70	OLD STH 64 MULTI-USE PATH	386	
0020			MAIN TRAILHEAD	40	RAIN GARDEN OUTLET
0020			HILLTOP TRAILHEAD	35	RAIN GARDEN OUTLET
0020			HILLTOP TRAILHEAD	5	RAIN GARDEN INLET PARKING LOT
0020			HILLTOP TRAILHEAD	2	RAIN GARDEN INLET STORM SEWER
			TOTAL 0020	2208	

EROSION MAT CLASS III TYPE C

CATEGORY	LOCATION	628.2037 SY	REMARKS
0020	MAIN TRAILHEAD	40	RAIN GARDEN OUTLET
0020	HILLTOP TRAILHEAD	35	RAIN GARDEN OUTLET
0020	HILLTOP TRAILHEAD	5	RAIN GARDEN INLET PARKING LOT
0020	HILLTOP TRAILHEAD	2	RAIN GARDEN INLET STORM SEWER
	TOTAL 0020	82	

3

POLYETHYLENE SHEETING

CATEGORY	LOCATION	628.5505 SY	REMARKS
0010	CTH E	500	
	TOTAL 0010	500	
0020	OLD STH 64 MULTI-USE PATH	2000	
	TOTAL 0020	2000	

INLET PROTECTION TYPE C

CATEGORY	STATION	LOCATION	628.7015 EACH	REMARKS
0010	2026+30	MAIN ST	1	
0010	2027+45	MAIN ST	1	
		TOTAL 0010	2	

INLET PROTECTION TYPE D

CATEGORY	STATION	LOCATION	628.7020 EACH	REMARKS
0020	1062+50	OLD STH 64 MULTI-USE PATH	1	
0020	1063+50	OLD STH 64 MULTI-USE PATH	1	
0020	1066+46	OLD STH 64 MULTI-USE PATH	1	
0020	1069+00	OLD STH 64 MULTI-USE PATH	1	
0020	1072+50	OLD STH 64 MULTI-USE PATH	1	
0020	1076+00	OLD STH 64 MULTI-USE PATH	1	
0020	1078+29	OLD STH 64 MULTI-USE PATH	1	
		TOTAL 0020	7	

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH	REMARKS
0010	HOULTON SCHOOL CIRCLE	1	
0010`	HILLTOP DRIVE	1	
	TOTAL 0010	2	

TEMPORARY DITCH CHECKS

CATEGORY	LOCATION	628.7504 LF	REMARKS
0020	MAIN TRAILHEAD	60	
0020	HILLTOP PARKING	120	
	TOTAL 0020	180	

INLET PROTECTION TYPE A

CATEGORY	STATION	LOCATION	628.7005 EACH	REMARKS
0010	2026+30	MAIN ST	1	
0010	2027+45	MAIN ST	1	
		TOTAL 0010	2	
0020	1069+00	OLD STH 64 MULTI-USE PATH	1	
0020	1072+50	OLD STH 64 MULTI-USE PATH	1	
0020	1076+00	OLD STH 64 MULTI-USE PATH	1	
0020	1078+29	OLD STH 64 MULTI-USE PATH	1	
0020		HILLTOP PARKING	3	
		TOTAL 0020	7	

CULVERT PIPE CHECKS

CATEGORY	STATION	LOCATION	628.7555 EACH	REMARKS
0010	519+20	HOULTON SCHOOL CIRCLE	7	
0010	520+29	HOULTON SCHOOL CIRCLE	7	
0010	521+58	HOULTON SCHOOL CIRCLE	7	
0010	1202+50	HILLTOP RD	7	
0010	2029+75	MAIN ST	7	
0010	2015+00	MAIN ST	7	
0010	2029+75	MAIN ST	7	
0010	511+50	HOULTON SCHOOL CIRCLE	7	
0010	513+25	HOULTON SCHOOL CIRCLE	7	
		TOTAL 0010	63	
0020	1062+00	OLD STH 64 MULTI-USE PATH	7	
0020	1063+60	OLD STH 64 MULTI-USE PATH	7	
0020	1065+75	OLD STH 64 MULTI-USE PATH	7	
0020	1081+80	OLD STH 64 MULTI-USE PATH	7	
0020	1081+90	OLD STH 64 MULTI-USE PATH	7	
0020		HILLTOP PARKING	7	
0020		MAIN TRAILLEAD	14	
		TOTAL 0020	56	

FERTILIZER TYPE A

CATEGORY	STATION TO	STATION	LOCATION	629.0205 CWT	REMARKS
0010	2027+44	2034+50	MAIN ST	4	
0010	500+52	513+87	HOULTON SCHOOL CIRCLE	1	
0010	500+52	513+88	HOULTON SCHOOL CIRCLE	1	
0010	1201+00	1208+50	HILLTOP DRIVE	2	
			TOTAL 0010	8.4	
0020	1050+00	1082+68	OLD STH 64 MULTI-USE PATH	2	
0020	1050+00	1082+68	OLD STH 64 MULTI-USE PATH	2	
			TOTAL 0020	4.3	

SEEDING MIXTURE NO. 20

CATEGORY	STATION TO	STATION	LOCATION	630.0120 LB	REMARKS
0010	2027+44	2034+50	MAIN ST	186	
0010	500+52	513+87	HOULTON SCHOOL CIRCLE	47	
0010	500+52	513+88	HOULTON SCHOOL CIRCLE	17	
0010	1201+00	1208+50	HILLTOP DRIVE	85	
0010	1100+37	1107+50	CTH E	20	
0010			HAWK STREET SOUTH	13	
0010			PARK AND RIDE	4	
			TOTAL 0010	372	
0020	1050+00	1082+68	OLD STH 64 MULTI-USE PATH	101	
0020	1050+00	1082+68	OLD STH 64 MULTI-USE PATH	84	
0020			TOURIST CAMP/NEEDHAM RAZING	6	
0020			MAIN TRAILHEAD	44	SALT SHED
0020			HILLTOP TRAILHEAD	350	UNDISTRIBUTED
0020			MAIN TRAILHEAD	350	UNDISTRIBUTED
			TOTAL 0020	935	
0030			TOURIST PARK	66	
			TOTAL 0030	66	

FERTILIZER TYPE B

CATEGORY	LOCATION	629.0210 CWT	REMARKS
0010	HAWK STREET SOUTH	0.6	
0010	PARK AND RIDE	0.1	
0010	BORROW PIT	0.4	
0010	UNDISTRIBUTED	2.0	
	TOTAL 0010	3.1	
0020	MAIN TRAIL HEAD PARKING LOT	2	TEMP STOCK PILE
	TOTAL 0020	2	
0030	TOURIST PARK	2	
	TOTAL 0030	2	

SEEDING MIXTURE NO. 10

CATEGORY	STATION TO	STATION	LOCATION	630.0110 LB	REMARKS
0010	1100+37	1107+50	CTH E	12	
0010			UNDISTRIBUTED	10	
			TOTAL 0010	22	

SEEDING MIXTURE NO. 30

CATEGORY	LOCATION	630.0130 LB	REMARKS
0010	HAWK STREET	2	
0010	PARK AND RIDE	1	
0010	UNDISTRIBUTED	13	
	TOTAL 0010	16	

SEEDING MIXTURE NO. 70A

CATEGORY	LOCATION	630.0171 LB	REMARKS
0020	HILLTOP PARKING LOT	61	
0020	MAIN TRAILHEAD	26	WASTE SITE
0020	MAIN TRAILHEAD	8	BERM BY DRAINFIELD
0020	MAIN TRAILHEAD	2	RAINGARDEN
0020	MAIN TRAILHEAD	2	WEST STORMWATER POND
0020	MAIN TRAILHEAD	5	EAST STORMWATER POND
	TOTAL 0020	104	

SEEDING MIXTURE NO. 80

CATEGORY	STATION	LOCATION	630.0180 LB	REMARKS
0020		HILLTOP PARKING LOT	40	
0020		MAIN TRAIL HEAD PARKING LOT	50	
0020		OLD STH 64 MULTI-USE PATH	6	
0020	162+50	STH 64	7	
		TOTAL 0020	103	

SEEDING TEMPORARY

CATEGORY	STATION TO	STATION	LOCATION	630.0200 LB	REMARKS
0010	500+52 -	513+87	HOULTON SCHOOL CIRCLE	47	
0010	500+52 -	513+88	HOULTON SCHOOL CIRCLE	17	
			TOTAL 0010	64	

SEEDING BORROW PIT

CATEGORY	LOCATION	630.0300 LB	REMARKS
0010	BORROW PIT	2	
0010	UNDISTRIBUTED	3	
	TOTAL 0010	5	

TREES (SPECIES) (SIZE) (ROOT) 01. (AUTUMN BLAZE MAPLE) (3") (B&B)

CATEGORY	LOCATION	632.0101.01 EACH	REMARKS
0050	PROJECT WIDE	11	SEE LANDSCAPE PLAN
	TOTAL 0050	11	

TREES (SPECIES) (SIZE) (ROOT) 02. (AMERICAN BASSWODD) (4") (B&B)

CATEGORY	LOCATION	632.0101.02 EACH	REMARKS
0050	PROJECT WIDE	15	SEE LANDSCAPE PLAN
	TOTAL 0050	15	

TREES (SPECIES) (SIZE) (ROOT) 03. (BUR OAK) (4") (B&B)

632.0101.03

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	47	SEE LANDSCAPE PLAN
	TOTAL 0050	47	

TREES (SPECIES) (SIZE) (ROOT) 04. (RED OAK) (4") (B&B)

632.0101.04

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	42	SEE LANDSCAPE PLAN
	TOTAL 0050	42	

TREES (SPECIES) (SIZE) (ROOT) 05. (SUGAR MAPLE) (3") (B&B)

632.0101.05

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	21	SEE LANDSCAPE PLAN
	TOTAL 0050	21	

3

TREES (SPECIES) (SIZE) (ROOT) 06. (WHITE OAK) (4") (B&B)

632.0101.06

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	27	SEE LANDSCAPE PLAN
	TOTAL 0050	27	

TREES (SPECIES) (SIZE) (ROOT) 07. (WHITE PINE) (3") (B&B)

632.0101.07

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	8	SEE LANDSCAPE PLAN
	TOTAL 0050	8	

TREES (SPECIES) (SIZE) (ROOT) 08. (WILD BLACK CHERRY) (2.5") (B&B)

632.0101.08

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	46	SEE LANDSCAPE PLAN
	TOTAL 0050	46	

TREES (SPECIES) (SIZE) (ROOT) 09. (HAWTHORN) (2.5") (B&B)

632.0101.09

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	23	SEE LANDSCAPE PLAN
	TOTAL 0050	23	

TREES (SPECIES) (SIZE) (ROOT) 10. (KENTUCKY COFFEETREE) (2.5") (B&B)

632.0101.10

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	2	SEE LANDSCAPE PLAN
	TOTAL 0050	2	

TREES (SPECIES) (SIZE) (ROOT) 11. (RIVER BIRCH) (2.5") (B&B)

632.0101.11

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	40	SEE LANDSCAPE PLAN
	TOTAL 0050	40	

TREES (SPECIES) (SIZE) (ROOT) 12. (BUR OAK) (12-INCH HEIGHT) (BR)

632.0101.12

CATEGORY	LOCATION	EACH	REMARKS
0020	RIVER BRIDGE ABUTMENT	45	BLUFF RESTORATION
0020	RIVER BRIDGE ABUTMENT	33	UNDER BRIDGE RESTORATION
	TOTAL 0020	78	

TREES (SPECIES) (SIZE) (ROOT) 13. (EASTERN COTTONWOOD) (12-INCH HEIGHT) (BR)

632.0101.13

CATEGORY	LOCATION	EACH	REMARKS
0020	RIVER BRIDGE ABUTMENT	10	BLUFF RESTORATION
0020	RIVER BRIDGE ABUTMENT	8	UNDER BRIDGE RESTORATION
	TOTAL 0020	18	

TREES (SPECIES) (SIZE) (ROOT) 14. (QUAKING ASPEN) (12-INCH HEIGHT) (BR)

CATEGORY	LOCATION	632.0101.14 EACH	REMARKS
0020	RIVER BRIDGE ABUTMENT	20	BLUFF RESTORATION
0020	RIVER BRIDGE ABUTMENT	16	UNDER BRIDGE RESTORATION
	TOTAL 0020	36	

TREES (SPECIES) (SIZE) (ROOT) 15. (RED OAK) (12-INCH HEIGHT) (BR)

CATEGORY	LOCATION	632.0101.15 EACH	REMARKS
0020	RIVER BRIDGE ABUTMENT	32	BLUFF RESTORATION
0020	RIVER BRIDGE ABUTMENT	23	UNDER BRIDGE RESTORATION
	TOTAL 0020	55	

TREES (SPECIES) (SIZE) (ROOT) 16. (WHITE PINE) (12-INCH HEIGHT) (BR)

CATEGORY	LOCATION	632.0101.16 EACH	REMARKS
0020	RIVER BRIDGE ABUTMENT	72	BLUFF RESTORATION
0020	RIVER BRIDGE ABUTMENT	52	UNDER BRIDGE RESTORATION
	TOTAL 0020	124	

TREES (SPECIES) (SIZE) (ROOT) 17. (WHITE SPRUCE) (12-INCH HEIGHT) (BR)

CATEGORY	LOCATION	632.0101.17 EACH	REMARKS
0020	RIVER BRIDGE ABUTMENT	28	BLUFF RESTORATION
0020	RIVER BRIDGE ABUTMENT	20	UNDER BRIDGE RESTORATION
	TOTAL 0020	48	

SHRUBS (SPECIES) (SIZE) (ROOT) 01. (AMERICAN HAZELNUT) (#1) (CONT.)

CATEGORY	LOCATION	632.0201.01 EACH	REMARKS
0050	PROJECT WIDE	61	SEE LANDSCAPE PLAN
	TOTAL 0050	61	

3

SHRUBS (SPECIES) (SIZE) (ROOT) 02. (ARROWWOOD VIBURNUM) (#1) (CONT.)

632.0201.02

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	34	SEE LANDSCAPE PLAN
	TOTAL 0050	34	

SHRUBS (SPECIES) (SIZE) (ROOT) 03. (CHOKE CHERRY) (#1) (CONT.)

632.0201.03

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	81	SEE LANDSCAPE PLAN
	TOTAL 0050	81	

SHRUBS (SPECIES) (SIZE) (ROOT) 04. (DWARFBUSH HONEYSUCKLE) (#1) (CONT.)

632.0201.04

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	128	SEE LANDSCAPE PLAN
	TOTAL 0050	128	

SHRUBS (SPECIES) (SIZE) (ROOT) 05. (FRAGRANT SUMAC) (#1) (CONT.)

632.0201.05

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	43	SEE LANDSCAPE PLAN
	TOTAL 0050	43	

SHRUBS (SPECIES) (SIZE) (ROOT) 06. (JUNBERRY) (#1) (CONT.)

632.0201.06

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	114	SEE LANDSCAPE PLAN
	TOTAL 0050	114	

SHRUBS (SPECIES) (SIZE) (ROOT) 07. (NANNYBERRY VIBURNUM) (#1) (CONT.)

632.0201.07

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	125	SEE LANDSCAPE PLAN
	TOTAL 0050	125	

SHRUBS (SPECIES) (SIZE) (ROOT) 08. (FROST GRAPE) (#1) (CONT.)

632.0201.08

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	115	SEE LANDSCAPE PLAN
	TOTAL 0050	115	

SHRUBS (SPECIES) (SIZE) (ROOT) 09. (PRICKLY GOOSEBERRY) (#1) (CONT.)

632.0201.09

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	6	SEE LANDSCAPE PLAN
	TOTAL 0050	6	

SHRUBS (SPECIES) (SIZE) (ROOT) 10. (GRAY DOGWOOD) (#1) (CONT.)

632.0201.10

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	135	SEE LANDSCAPE PLAN
	TOTAL 0050	135	

SHRUBS (SPECIES) (SIZE) (ROOT) 11. (RED OSIER DOGWOOD) (#1) (CONT.)

632.0201.11

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	137	SEE LANDSCAPE PLAN
	TOTAL 0050	137	

LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES

632.9101

CATEGORY	LOCATION	EACH	REMARKS
0050	PROJECT WIDE	2	
	TOTAL 0050	2	

3

PERMANENT SIGNING TYPE II

SIGN #	SIGN CODE	SIGN SIZE W IN X H IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0809 POSTS TUBULAR STEEL 2X2-INCH 9.5 FT EACH	634.0810 10 FT EACH	634.0811 11 FT EACH	634.0812 12 FT EACH	634.0814 14 FT EACH	634.0885 8.5 FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
CATEGORY 0010															
1-1	R2-1	24 X 30	5.00	---	---	---	1	---	---	---	---	---	---	---	SPEED LIMIT 35 MPH
1-2	R2-1	24 X 30	---	---	---	---	---	---	---	---	---	1	1	---	SPEED LIMIT 25 MPH
1-3	J22-3	72 X 57	---	---	---	---	---	---	2	---	1	---	---	---	TRAILBLAZER (ADVANCE TURN)
1-4	R5-1	30 X 30	6.25	---	---	---	1	---	---	---	---	---	---	---	DO NOT ENTER
1-5	R5-1	30 X 30	---	---	---	---	---	---	---	---	---	1	1	---	DO NOT ENTER
1-6	R1-1	30 X 30	---	---	---	---	---	---	---	---	---	1	1	---	STOP SIGN
1-7	R1-1	30 X 30	---	---	---	---	---	---	---	---	---	1	1	---	STOP SIGN
1-8	R1-1	30 X 30	5.18	---	---	---	1	---	---	---	---	---	---	---	STOP SIGN
1-9	R1-1	30 X 30	5.18	---	---	---	1	---	---	---	---	---	---	---	STOP SIGN
1-12	S1-1	30 X 30	---	---	---	---	---	---	---	---	---	1	1	---	SCHOOL ADVANCE
1-13	R2-1	24 X 30	5.00	---	---	---	1	---	---	---	---	---	---	---	SPEED LIMIT 25 MPH
2-2	S1-1	30 X 30	---	---	---	---	---	---	---	---	---	1	1	---	SCHOOL ADVANCE
2-3	R2-1	24 X 30	---	---	---	---	---	---	---	---	---	1	1	---	SPEED LIMIT 35 MPH
2-4	R2-1	24 X 30	5.00	---	---	---	1	---	---	---	---	---	---	---	SPEED LIMIT 25 MPH
2-5	W3-1	36 X 36	---	---	---	---	---	---	---	---	---	1	1	---	STOP AHEAD
2-6	R2-1	24 X 30	5.00	---	---	---	1	---	---	---	---	---	---	---	SPEED LIMIT 25 MPH
2-7	R2-1	24 X 30	---	---	---	---	---	---	---	---	---	1	1	---	SPEED LIMIT 35 MPH
2-8	I2-3U	60 X 30	---	---	---	---	---	---	---	---	---	1	2	---	HOULTON UNINCORPORATED
3-1	R1-1	30 X 30	---	---	---	---	---	---	---	---	---	1	1	---	STOP SIGN
3-2	R4-7	24 X 30	---	---	---	---	---	---	---	---	---	1	1	---	KEEP RIGHT
3-3	R1-1	30 X 30	---	---	---	---	---	---	---	---	---	1	1	---	STOP SIGN
3-4	R5-1	30 X 30	---	---	---	---	---	---	---	---	---	1	1	---	DO NOT ENTER
3-5	R3-20L	24 X 36	---	---	---	---	---	---	---	---	---	1	1	---	BEGIN LEFT TURN LANE
3-6	R2-1	24 X 30	5.00	---	---	---	1	---	---	---	---	---	---	---	SPEED LIMIT 25 MPH
3-7	R5-1A	36 X 24	---	---	---	---	---	---	---	---	---	1	1	3-9	WRONG WAY
3-8	R2-1	24 X 30	5.00	---	---	---	1	---	---	---	---	---	---	---	SPEED LIMIT 35 MPH
3-9	R2-1	24 X 30	---	---	---	---	---	---	---	---	---	---	---	3-7	SPEED LIMIT 45 MPH
3-10	W4-2L	36 X 36	---	---	---	---	---	---	---	---	---	1	1	---	LANE REDUCTION TRANSITION SYMBOL (LEFT)
3-11	W4-2L	36 X 36	---	---	---	---	---	---	---	---	---	1	1	---	LANE REDUCTION TRANSITION SYMBOL (LEFT)
3-12	W1-2R	30 X 30	---	---	---	---	---	---	---	---	---	1	1	---	RIGHT CURVE
3-13	W1-2R	30 X 30	---	6.25	---	---	---	1	---	---	---	1	1	---	RIGHT CURVE
3-14	J22-2	48 X 57	---	---	---	---	---	---	---	---	---	1	1	---	TRAILBLAZER (ADVANCE TURN)
4-1	W9-1R	36 X 36	---	---	---	---	---	---	---	---	---	1	1	---	RIGHT LANE ENDS
4-2	R2-1	24 X 30	---	---	---	---	---	---	---	---	---	1	1	---	SPEED LIMIT 45 MPH
4-3	R2-1	24 X 30	5.00	---	---	---	1	---	---	---	---	---	---	---	SPEED LIMIT 35 MPH
4-4	R2-1	24 X 30	---	---	---	---	---	---	---	---	---	1	1	---	SPEED LIMIT 45 MPH
4-5	R2-1	24 X 30	5.00	---	---	---	1	---	---	---	---	---	---	---	SPEED LIMIT 45 MPH
5-1	R1-1	30 X 30	---	---	---	---	---	---	---	---	---	1	1	---	STOP SIGN
5-2	W1-1L	30 X 30	---	6.25	---	---	---	---	1	---	---	---	---	---	LEFT TURN
	W13-1	24 X 24	---	4.00	---	---	---	---	---	---	---	---	---	---	ADVISORY SPEED (YELLOW BACK)
5-3	R2-1	24 X 30	5.00	---	---	---	1	---	---	---	---	---	---	---	SPEED LIMIT 25 MPH
5-4	R2-1	24 X 30	---	---	---	---	---	---	---	---	---	1	1	---	SPEED LIMIT 35 MPH
5-5	R1-1	30 X 30	5.18	---	---	---	1	---	---	---	---	---	---	---	STOP SIGN
5-6	W1-6	48 X 24	---	8.00	---	1	---	---	---	---	---	---	---	---	NIGHT ARROW (SINGLE)
5-7	R1-1	30 X 30	---	---	---	---	---	---	---	---	---	1	1	---	STOP SIGN
5-8	W3-1	36 X 36	---	---	---	---	---	---	---	---	---	1	1	---	STOP AHEAD
5-9	W1-6	48 X 24	---	8.00	---	1	---	---	---	---	---	---	---	---	NIGHT ARROW (SINGLE)
5-10	W1-1R	30 X 30	---	6.25	---	---	---	---	1	---	---	---	---	---	RIGHT TURN
	W13-1	24 X 24	---	4.00	---	---	---	---	---	---	---	---	---	---	ADVISORY SPEED (YELLOW BACK)
6-1	R1-1	30 X 30	---	---	---	---	---	---	---	---	---	1	1	---	STOP SIGN
6-2	R1-1	30 X 30	5.18	---	---	---	1	---	---	---	---	---	---	---	STOP SIGN
6-3	R7-51L	18 X 24	---	---	---	1	---	---	---	---	1	---	---	---	NO PARKING HERE TO CORNER (LEFT ARROW)
6-4	R2-1	24 X 30	5.00	---	---	---	1	---	---	---	---	---	---	---	SPEED LIMIT 25 MPH
6-5	R2-1	24 X 30	---	---	---	---	---	---	---	---	---	1	1	---	SPEED LIMIT 35 MPH
6-6	W3-1	36 X 36	---	---	---	---	---	---	---	---	---	1	1	---	STOP AHEAD
CATEGORY 0010 SHEET 1 SUBTOTALS:			76.97	42.75	---	3	15	1	4	---	2	31	32		

PERMANENT SIGNING TYPE II (2) (CONTINUED)

SIGN #	SIGN CODE	SIGN SIZE W IN	X	H IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0809 POSTS TUBULAR STEEL 2X2-INCH 9.5 FT EACH	634.0810 10 FT EACH	634.0811 11 FT EACH	634.0812 12 FT EACH	634.0814 14 FT EACH	634.0885 8.5 FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
CATEGORY 0010 SHEET 1 SUBTOTALS:					76.97	42.75	---	3	15	1	4	---	2	31	32		
CATEGORY 0010																	
6-8	R1-1	30	X	30	5.18	---	---	---	1	---	---	---	---	1	1	---	STOP SIGN
6-10	R2-1	24	X	30	5.00	---	---	---	1	---	---	---	---	---	---	---	SPEED LIMIT 25 MPH
6-11	R2-1	24	X	30	---	---	---	---	---	---	---	---	---	1	1	---	SPEED LIMIT 35 MPH
6-12	S4-51	24	X	48	---	---	---	---	1	---	---	---	1	---	---	---	SCHOOL SPEED LIMIT
6-17	R1-1	30	X	30	5.18	---	---	---	1	---	---	---	---	---	---	---	STOP SIGN
7-1	S4-51	24	X	48	---	---	---	---	1	---	---	---	1	---	---	---	SCHOOL SPEED LIMIT
9-14	R1-1	30	X	30	5.18	---	---	---	1	---	---	---	---	---	---	---	STOP SIGN
10-7	R3-1	24	X	24	4.00	---	1	---	---	---	---	---	---	---	---	---	NO RIGHT TURN SYMBOL
10-8	R4-7	24	X	30	---	---	---	---	---	---	---	---	---	1	1	---	KEEP RIGHT
10-13	R3-2	24	X	24	4.00	---	1	---	---	---	---	---	---	---	---	---	NO LEFT TURN SYMBOL
10-14	R4-7	24	X	30	---	---	---	---	---	---	---	---	---	1	1	---	KEEP RIGHT
10-27	R6-2L	24	X	30	---	---	---	---	---	---	---	---	---	1	1	---	ONE WAY LEFT ARROW
10-28	R5-1	30	X	30	---	---	---	---	---	---	---	---	---	1	1	---	DO NOT ENTER
10-29	R1-1	30	X	30	5.18	---	---	---	1	---	---	---	---	---	---	---	STOP SIGN
11-1	R5-3	24	X	24	4.00	---	---	1	---	---	---	---	---	---	---	---	NO MOTOR VEHICLES
11-3	R7-8A	12	X	18	1.50	---	---	---	1	---	---	---	---	---	---	---	RESERVED PARKING HANDICAPPED, THIS SPACE
11-4	R7-8A	12	X	18	1.50	---	---	---	1	---	---	---	---	---	---	---	RESERVED PARKING HANDICAPPED, THIS SPACE
11-5	R7-8A	12	X	18	1.50	---	---	---	1	---	---	---	---	---	---	---	RESERVED PARKING HANDICAPPED, THIS SPACE
11-6	R7-8A	12	X	18	1.50	---	1	---	---	---	---	---	---	---	---	---	RESERVED PARKING HANDICAPPED, THIS SPACE
	R7-8V	12	X	6	0.50	---	---	---	---	---	---	---	---	---	---	---	VAN ACCESSIBLE
11-7	W1-6	48	X	24	---	8.00	---	1	---	---	---	---	---	---	---	---	NIGHT ARROW (SINGLE)
11-8	W1-6	48	X	24	---	8.00	---	1	---	---	---	---	---	---	---	---	NIGHT ARROW (SINGLE)
11-9	R5-3	24	X	24	4.00	---	---	1	---	---	---	---	---	---	---	---	NO MOTOR VEHICLES
12-1	R1-1	18	X	18	1.86	---	1	---	---	---	---	---	---	---	---	---	STOP SIGN
12-2	R8-7	48	X	36	12.00	---	---	---	1	---	---	---	---	---	---	---	EMERGENCY STOPPING ONLY
CATEGORY 0010 TOTAL:					139.05	58.75	4	7	26	1	4	---	4	37	38		
CATEGORY 0020																	
1-10	W11-15	30	X	30	---	6.25	---	---	---	1	---	---	---	---	---	---	BICYCLE/PEDESTRIAN CROSSING
	W16-7L	24	X	12	---	2.00	---	---	---	---	---	---	---	---	---	---	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
1-11	R1-1	18	X	18	1.86	---	1	---	---	---	---	---	---	---	---	---	STOP SIGN
1-14	W11-15	30	X	30	---	6.25	---	---	---	1	---	---	---	---	---	---	BICYCLE/PEDESTRIAN CROSSING
	W16-7L	24	X	12	---	2.00	---	---	---	---	---	---	---	---	---	---	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
1-15	W11-15	30	X	30	---	6.25	---	---	---	1	---	---	---	---	---	---	BICYCLE/PEDESTRIAN CROSSING
	W16-7L	24	X	12	---	2.00	---	---	---	---	---	---	---	---	---	---	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
2-1	W11-15	30	X	30	---	6.25	---	---	---	1	---	---	---	---	---	---	BICYCLE/PEDESTRIAN CROSSING
	W16-9P	24	X	12	---	2.00	---	---	---	---	---	---	---	---	---	---	AHEAD PLAQUE (YELLOW)
6-1	R1-1	18	X	18	1.86	---	1	---	---	---	---	---	---	---	---	---	STOP SIGN
6-7	R1-2	18	X	16	0.97	---	1	---	---	---	---	---	---	---	---	---	YIELD
6-9	R1-2	18	X	16	0.97	---	1	---	---	---	---	---	---	---	---	---	YIELD
6-13	W11-15	30	X	30	---	6.25	---	---	---	1	---	---	---	---	---	---	BICYCLE/PEDESTRIAN CROSSING
	W16-9P	24	X	12	---	2.00	---	---	---	---	---	---	---	---	---	---	AHEAD PLAQUE (YELLOW)
6-14	W11-15	30	X	30	---	6.25	---	---	---	1	---	---	---	---	---	---	BICYCLE/PEDESTRIAN CROSSING
	W16-7L	24	X	12	---	2.00	---	---	---	---	---	---	---	---	---	---	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
6-15	R1-1	18	X	18	1.86	---	1	---	---	---	---	---	---	---	---	---	STOP SIGN
6-16	W11-15	30	X	30	---	6.25	---	---	---	1	---	---	---	---	---	---	BICYCLE/PEDESTRIAN CROSSING
	W16-7L	24	X	12	---	2.00	---	---	---	---	---	---	---	---	---	---	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)
7-2	W11-15	30	X	30	---	6.25	---	---	---	1	---	---	---	---	---	---	BICYCLE/PEDESTRIAN CROSSING
	W16-9P	24	X	12	---	2.00	---	---	---	---	---	---	---	---	---	---	AHEAD PLAQUE (YELLOW)
7-3	R7-52D	18	X	24	3.00	---	---	1	---	---	---	---	---	---	---	---	NO PARKING BETWEEN SIGNS (DOUBLE ARROW)
7-4	R7-52D	18	X	24	3.00	---	---	1	---	---	---	---	---	---	---	---	NO PARKING BETWEEN SIGNS (DOUBLE ARROW)
7-5	R4-7	24	X	30	5.00	---	---	---	1	---	---	---	---	---	---	---	KEEP RIGHT
CATEGORY 0020 SHEET 2 SUBTOTALS:					18.52	66.00	5	2	1	8	---	---	---	---	---		

PERMANENT SIGNING TYPE II (3) (CONTINUED)

SIGN #	SIGN CODE	SIGN SIZE W IN	X	H IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0809 POSTS TUBULAR STEEL 2X2-INCH 9.5 FT EACH	634.0810 10 FT EACH	634.0811 11 FT EACH	634.0812 12 FT EACH	634.0814 14 FT EACH	634.0885 8.5 FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
CATEGORY 0020 SHEET 2 SUBTOTALS:					18.52	66.00	5	2	1	8	---	---	---	---	---		
CATEGORY 0020																	
7-6	R5-1	30	X	30	6.25	---	---	---	---	1	---	---	---	---	---	---	DO NOT ENTER
	R7-52D	18	X	24	3.00	---	---	---	---	---	---	---	---	---	---	---	NO PARKING BETWEEN SIGNS (DOUBLE ARROW)
7-7	R5-1	30	X	30	6.25	---	---	---	1	---	---	---	---	---	---	---	DO NOT ENTER
7-8	R5-1	30	X	30	6.25	---	---	---	1	---	---	---	---	---	---	---	DO NOT ENTER
7-9	R7-52D	18	X	24	3.00	---	---	---	---	---	---	---	---	---	---	7-10	NO PARKING BETWEEN SIGNS (DOUBLE ARROW)
7-10	R5-1	30	X	30	6.25	---	---	---	---	1	---	---	---	---	---	7-9	DO NOT ENTER
7-11	CUSTOM	48	X	30	10.00	---	---	---	---	---	---	---	---	---	---	---	TRAIL CLOSED (DO NOT INSTALL)
7-12	R7-8A	12	X	18	1.50	---	1	---	---	---	---	---	---	---	---	---	RESERVED PARKING HANDICAPPED, THIS SPACE
	R7-8V	12	X	6	0.50	---	---	---	---	---	---	---	---	---	---	---	VAN ACCESSIBLE
7-13	R7-8A	12	X	18	1.50	---	1	---	---	---	---	---	---	---	---	---	RESERVED PARKING HANDICAPPED, THIS SPACE
	R7-8V	12	X	6	0.50	---	---	---	---	---	---	---	---	---	---	---	VAN ACCESSIBLE
8-1	D11-2	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	8-13	TRAIL PEDESTRIAN SYMBOL
	M7-2	12	X	9	0.75	---	---	---	---	---	---	---	---	---	---	---	TRAIL AHEAD ARROW
8-2	R9-7(MOD)	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	TRAIL LANE CONTROL
8-3	R9-7(MOD)	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	8-15	TRAIL LANE CONTROL
8-4	R9-3A	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	NO PEDESTRIANS SYMBOL
8-5	R5-6	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	NO BICYCLES SYMBOL
8-6	W7-3bP(MOD)	24	X	12	---	2.00	1	---	---	---	---	---	---	---	---	---	8% GRADE NEXT 1/2 MILE
	D9-13bP(MOD)	24	X	12	2.00	---	---	---	---	---	---	---	---	---	---	---	REST AREA AHEAD
8-7	W16-1P	12	X	18	---	1.50	---	---	1	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
8-8	W16-1P	12	X	18	---	1.50	---	---	1	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
8-9	W23-2	18	X	18	---	2.25	---	1	---	---	---	---	---	---	---	---	NEW TRAFFIC PATTERN AHEAD
	W16-2aP	18	X	9	---	1.13	---	---	---	---	---	---	---	---	---	---	100 FT
8-10	W23-2	18	X	18	---	2.25	---	1	---	---	---	---	---	---	---	---	NEW TRAFFIC PATTERN AHEAD
	W16-2aP	18	X	9	---	1.13	---	---	---	---	---	---	---	---	---	---	100 FT
8-11	D11-2	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	TRAIL PEDESTRIAN SYMBOL
	M7-4	12	X	9	0.75	---	---	---	---	---	---	---	---	---	---	---	TRAIL ADVANCE TURN ARROW LEFT DIAGONAL
	D11-1a	18	X	18	2.25	---	---	---	---	---	---	---	---	---	---	---	TRAIL BIKE SYMBOL
	M7-4	12	X	9	0.75	---	---	---	---	---	---	---	---	---	---	---	TRAIL ADVANCE TURN ARROW RIGHT DIAGONAL
8-12	R9-6	12	X	18	1.50	---	1	---	---	---	---	---	---	---	---	8-14	BIKE SYMBOL YIELD TO PEDS
8-13	R3-8(MOD)	36	X	12	3.00	---	---	---	---	---	---	---	---	---	---	8-1	TRAIL LANE CONTROL
8-14	R3-8(MOD)	36	X	12	3.00	---	---	---	---	---	---	---	---	---	---	8-12	TRAIL LANE CONTROL
8-15	R9-6	12	X	18	1.50	---	---	---	---	---	---	---	---	---	---	8-3	BIKE SYMBOL YIELD TO PEDS
8-16	W23-2	18	X	18	---	2.25	---	1	---	---	---	---	---	---	---	---	NEW TRAFFIC PATTERN AHEAD
	W16-2aP	18	X	9	---	1.13	---	---	---	---	---	---	---	---	---	---	100 FT
8-17	W23-2	18	X	18	---	2.25	---	1	---	---	---	---	---	---	---	---	NEW TRAFFIC PATTERN AHEAD
	W16-2aP	18	X	9	---	1.13	---	---	---	---	---	---	---	---	---	---	100 FT
8-18	W7-3bP(MOD)	24	X	12	---	2.00	1	---	---	---	---	---	---	---	---	---	8% GRADE NEXT 1/2 MILE
	D9-13bP(MOD)	24	X	12	2.00	---	---	---	---	---	---	---	---	---	---	---	REST AREA AHEAD
8-19	R5-6	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	NO BICYCLES SYMBOL
8-20	W16-1P(MOD)	12	X	18	---	1.50	1	---	---	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
8-21	R5-6	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	NO BICYCLES SYMBOL
8-22	R4-3	12	X	18	1.50	---	1	---	---	---	---	---	---	---	---	---	SLOWER TRAFFIC KEEP RIGHT
8-23	W16-1P(MOD)	12	X	18	---	1.50	1	---	---	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
8-24	R9-3A	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	NO PEDESTRIANS SYMBOL
8-25	R9-3A	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	NO PEDESTRIANS SYMBOL
8-26	W16-1P(MOD)	12	X	18	---	1.50	1	---	---	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
8-27	W16-1P(MOD)	12	X	18	---	1.50	1	---	---	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
9-1	R5-6	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	NO BICYCLES SYMBOL
9-2	R9-3A	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	NO PEDESTRIANS SYMBOL
CATEGORY 0020 SHEET 3 SUBTOTALS:					109.52	92.50	27	6	5	10	---	---	---	---	---		

PERMANENT SIGNING TYPE II (4) (CONTINUED)

SIGN #	SIGN CODE	SIGN SIZE W IN	X	H IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0809 POSTS TUBULAR STEEL 2X2-INCH 9.5 FT EACH	634.0810 10 FT EACH	634.0811 11 FT EACH	634.0812 12 FT EACH	634.0814 14 FT EACH	634.0885 8.5 FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
CATEGORY 0020 SHEET 3 SUBTOTALS:					109.52	92.50	27	6	5	10	---	---	---	---	---		
CATEGORY 0020																	
9-3	R5-6	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	NO BICYCLES SYMBOL
9-4	R9-3A	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	NO PEDESTRIANS SYMBOL
9-5	W16-1P(MOD)	12	X	18	---	1.50	1	---	---	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
9-6	W16-1P(MOD)	12	X	18	---	1.50	1	---	---	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
9-7	W16-1P(MOD)	12	X	18	---	1.50	1	---	---	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
9-8	W16-1P(MOD)	12	X	18	---	1.50	1	---	---	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
9-9	W16-1P(MOD)	12	X	18	---	1.50	1	---	---	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
9-10	W16-1P(MOD)	12	X	18	---	1.50	1	---	---	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
9-11	R4-3	12	X	18	1.50	---	1	---	---	---	---	---	---	---	---	---	SLOWER TRAFFIC KEEP RIGHT
9-12	W8-10	18	X	18	---	2.25	1	---	---	---	---	---	---	---	---	---	BIKE SYMBOL SLIPPERY ROAD
	W8-10P	12	X	9	---	0.75	---	---	---	---	---	---	---	---	---	---	SLIPPERY WHEN WET PLAQUE
9-13	W16-1P(MOD)	12	X	18	---	1.50	1	---	---	---	---	---	---	---	---	---	WATCH FOR BIKES ARROW
9-15	R5-6	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	NO BICYCLES SYMBOL
9-16	D11-2	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	TRAIL PEDESTRIAN SYMBOL
	M7-4	12	X	9	0.75	---	---	---	---	---	---	---	---	---	---	---	TRAIL ADVANCE TURN ARROW LEFT DIAGONAL
9-17	W7-3bP(MOD)	24	X	12	---	2.00	1	---	---	---	---	---	---	---	---	---	8% GRADE NEXT 1/2 MILE
	D9-13b(MOD)	24	X	12	2.00	---	---	---	---	---	---	---	---	---	---	---	REST AREA AHEAD
9-18	W7-3bP(MOD)	24	X	12	---	2.00	1	---	---	---	---	---	---	---	---	---	8% GRADE NEXT 1/2 MILE
	D9-13b(MOD)	24	X	12	2.00	---	---	---	---	---	---	---	---	---	---	---	REST AREA AHEAD
9-19	W23-2	18	X	18	---	2.25	1	---	---	---	---	---	---	---	---	---	NEW TRAFFIC PATTERN AHEAD
	W16-2aP	18	X	9	---	1.13	---	---	---	---	---	---	---	---	---	---	100 FT
9-20	W23-2	24	X	24	---	4.00	---	---	1	---	---	---	---	---	---	---	NEW TRAFFIC PATTERN AHEAD
	W16-2aP	24	X	12	---	2.00	---	---	---	---	---	---	---	---	---	---	100 FT
9-21	R9-3A	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	NO PEDESTRIANS SYMBOL
9-22	R10-17A(MOD)	12	X	18	1.50	---	1	---	---	---	---	---	---	---	---	---	BIKES AND PEDS SHARE LANE
9-23	R10-17A(MOD)	12	X	18	1.50	---	1	---	---	---	---	---	---	---	---	---	BIKES AND PEDS SHARE LANE
10-1	R9-7(MOD)	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	TRAIL LANE CONTROL
10-2	R6-2R	24	X	30	5.00	---	---	1	---	---	---	---	---	---	---	10-3	ONE WAY RIGHT ARROW
10-3	R6-2L	24	X	30	5.00	---	---	---	---	---	---	---	---	---	---	10-2	ONE WAY LEFT ARROW
10-4	CUSTOM	48	X	30	10.00	---	---	---	---	---	---	---	---	---	---	---	TRAIL CLOSED (DO NOT INSTALL)
10-5	R5-1	30	X	30	6.25	---	---	1	---	---	---	---	---	---	---	---	DO NOT ENTER
10-6	R5-1	30	X	30	6.25	---	---	1	---	---	---	---	---	---	---	---	DO NOT ENTER
10-9	R6-1L	36	X	12	3.00	---	---	---	1	---	---	---	---	---	---	10-10, 10-11	ONE WAY LEFT FOR ROUNDABOUTS
10-10	R5-1	30	X	30	6.25	---	---	---	---	---	---	---	---	---	---	10-9, 10-11	DO NOT ENTER
10-11	R6-1R	36	X	12	3.00	---	---	---	---	---	---	---	---	---	---	10-9, 10-10	ONE WAY RIGHT FOR ROUNDABOUTS
10-12	CUSTOM	48	X	30	10.00	---	---	---	---	---	---	---	---	---	---	---	TRAIL CLOSED (DO NOT INSTALL)
10-15	R9-6	12	X	18	1.50	---	---	---	---	---	---	---	---	---	---	8-3	BIKE SYMBOL YIELD TO PEDS
10-16	R9-6	12	X	18	1.50	---	---	---	---	---	---	---	---	---	---	8-3	BIKE SYMBOL YIELD TO PEDS
10-17	D11-1a	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	TRAIL BIKE SYMBOL
	M7-4(MOD)	12	X	9	0.75	---	---	---	---	---	---	---	---	---	---	---	TRAIL ADVANCE TURN ARROW LEFT DIAGONAL
10-18	D11-2	18	X	18	2.25	---	1	---	---	---	---	---	---	---	---	---	TRAIL PEDESTRIAN SYMBOL
	M7-4	12	X	9	0.75	---	---	---	---	---	---	---	---	---	---	---	TRAIL ADVANCE TURN ARROW LEFT DIAGONAL
10-19	R9-6	12	X	18	1.50	---	---	---	---	---	---	---	---	---	---	8-3	BIKE SYMBOL YIELD TO PEDS
10-20	W23-2	24	X	24	---	4.00	---	---	1	---	---	---	---	---	---	---	NEW TRAFFIC PATTERN AHEAD
	W16-2aP	24	X	12	---	2.00	---	---	---	---	---	---	---	---	---	---	100 FT
10-21	W3-1	18	X	18	---	2.25	---	1	---	---	---	---	---	---	---	---	STOP AHEAD
10-22	R1-1	18	X	18	1.86	---	1	---	---	---	---	---	---	---	---	---	STOP SIGN
10-23	R9-6	12	X	18	1.50	---	1	---	---	---	---	---	---	---	---	---	BIKE SYMBOL YIELD TO PEDS
10-24	W1-6	24	X	12	---	2.00	---	---	---	---	---	1	---	---	---	---	NIGHT ARROW (SINGLE)
10-25	R7-8A	12	X	18	1.50	---	---	1	---	---	---	---	---	---	---	---	RESERVED PARKING HANDICAPPED, THIS SPACE
	R7-8V	12	X	6	0.50	---	---	---	---	---	---	---	---	---	---	---	VAN ACCESSIBLE
CATEGORY 0020 SHEET 4 SUBTOTALS:					202.88	129.63	51	11	8	10	---	1	---	---	---		

PERMANENT SIGNING TYPE II (5) (CONTINUED)

SIGN #	SIGN CODE	SIGN SIZE W IN	X	H IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0809 POSTS TUBULAR STEEL 2X2-INCH 9.5 FT EACH	634.0810 POSTS TUBULAR STEEL 2X2-INCH 10 FT EACH	634.0811 POSTS TUBULAR STEEL 2X2-INCH 11 FT EACH	634.0812 POSTS TUBULAR STEEL 2X2-INCH 12 FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH 14 FT EACH	634.0885 POSTS TUBULAR STEEL 2X2-INCH 8.5 FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
CATEGORY 0020 SHEET 4 SUBTOTALS:					202.88	129.63	51	11	8	10	---	1	---	---	---		
CATEGORY 0020																	
10-26	R7-8A	12	X	18	1.50	---	1	---	---	---	---	---	---	---	---	---	RESERVED PARKING HANDICAPPED, THIS SPACE
10-30	R1-1	30	X	30	5.18	---	---	1	---	---	---	---	---	---	---	10-31	STOP SIGN
10-31	R5-1-C	30	X	30	5.18	---	---	---	---	---	---	---	---	---	---	10-30	DO NOT ENTER (CLIPPED CORNERS)
11-2	R5-11	30	X	24	5.00	---	1	---	---	---	---	---	---	---	---	---	AUTHORIZED VEHICLES ONLY
	CUSTOM	48	X	30	10.00	---	---	---	---	---	---	---	---	---	---	---	TRAIL CLOSED (DO NOT INSTALL)
	CUSTOM	48	X	30	10.00	---	---	---	---	---	---	---	---	---	---	---	TRAIL CLOSED (DO NOT INSTALL)
	CUSTOM	48	X	30	10.00	---	---	---	---	---	---	---	---	---	---	---	TRAIL CLOSED (DO NOT INSTALL)
	CUSTOM	48	X	30	10.00	---	---	---	---	---	---	---	---	---	---	---	TRAIL CLOSED (DO NOT INSTALL)
	CUSTOM	48	X	30	10.00	---	---	---	---	---	---	---	---	---	---	---	TRAIL CLOSED (DO NOT INSTALL)
CATEGORY 0020 TOTAL:					269.74	129.63	53	12	8	10	---	1	---	---	---		
CATEGORY 0010 TOTAL:					139.05	58.75	4	7	26	1	4	—	4	37	38		
PROJECT 8110-02-73 TOTAL					**408.79**	**188.38**	**57**	**19**	**34**	**11**	**4**	**1**	**4**	**37**	**38**		

3

MARKERS CULVERT END

633.5200

CATEGORY	STATION TO	STATION	LOCATION	EACH	REMARKS
0010	511+60	- 512+15	HOULTON SCHOOL CIRCLE	2	
0010	511+85		HOULTON SCHOOL CIRCLE	2	
0010			HOULTON SCHOOL CIRCLE	2	
0010	513+65		HOULTON SCHOOL CIRCLE	2	
0010			PARK AND RIDE	2	
0010			HOULTON SCHOOL CIRCLE	2	
0010			HILLTOP DRIVE	2	
0010			HILLTOP DRIVE	2	
0010			MAIN ST	2	
0010			MAIN ST	2	
0010			HOULTON SCHOOL CIRCLE	2	
			TOTAL 0010	22	
0020			HILLTOP PARKING	2	
0020			HILLTOP PARKING	2	
0020			MAIN TRAILHEAD	2	
0020			OLD STH 64 MULTI-USE PATH	2	
0020			OLD STH 64 MULTI-USE PATH	2	
0020			MAIN PARKING	2	
0020			MAIN PARKING	2	
0020			MAIN PARKING	2	
0020			OLD STH 64 MULTI-USE PATH	2	
0020	1064+75	- 1065+65	OLD STH 64 MULTI-USE PATH	2	
0020	1064+75	- 1065+65	OLD STH 64 MULTI-USE PATH	2	
			TOTAL 0020	22	

TRAFFIC CONTROL DRUMS

643.0300

CATEGORY	LOCATION	DAY	REMARKS
0010	HILLTOP DRIVE	7700	
	TOTAL 0010	7700	

FIELD OFFICE TYPE C

642.5201

CATEGORY	LOCATION	EACH	REMARKS
0010	PROJECT WIDE	0.25	
	TOTAL 0010	0.25	
0020	PROJECT WIDE	0.55	
	TOTAL 0020	0.55	
0040	PROJECT WIDE	0.05	
	TOTAL 0040	0.05	
0050	PROJECT WIDE	0.10	
	TOTAL 0050	0.10	
0060	PROJECT WIDE	0.05	
	TOTAL 0060	0.05	

TRAFFIC CONTROL BARRICADES TYPE III

643.0420

CATEGORY	LOCATION	DAY	REMARKS
0010	HILLTOP DRIVE	360	
0010	MAIN TRAILHEAD	200	
0010	HILLTOP PARKING	240	
0010	CTH E REMOVAL	120	
0010	HAWK STREET	120	
	TOTAL 0010	1040	

TRAFFIC CONTROL WARNING LIGHTS TYPE A

CATEGORY	LOCATION	643.0705 DAY	REMARKS
0010	HILLTOP DRIVE	720	
0010	MAIN TRAILHEAD	240	
0010	HILLTOP PARKING	480	
0010	CTH E REMOVAL	240	
0010	HAWK STREET	240	
	TOTAL 0010	1920	

TRAFFIC CONTROL SIGNS

CATEGORY	LOCATION	643.0900 DAY	REMARKS
0010	ADVANCE WARNING	3600	
0010	HILLTOP DRIVE	720	
0010	MAIN TRAILHEAD	180	
0010	HILLTOP PARKING	180	
0010	CTH E REMOVAL	60	
0010	HAWK STREET	60	
	TOTAL 0010	4800	

GEOTEXTILE TYPE R

CATEGORY	LOCATION	645.0130 SY	REMARKS
0020	HILLTOP RAIN GARDEN	40	
	TOTAL 0020	40	

TRAFFIC CONTROL WARNING LIGHTS TYPE C

CATEGORY	LOCATION	643.0715 DAY	REMARKS
0010	HILLTOP DRIVE	720	
	TOTAL 0010	720	

GEOTEXTILE TYPE HR

CATEGORY	STATION TO	STATION	LOCATION	645.0120 SY	REMARKS
0010	1101+89	- 1100+82	CTH E	45	
0010	1101+98	- 1102+05	CTH E	45	
0010	1103+96	- 1104+05	CTH E	45	
			TOTAL 0010	135	
0020			MAIN RIVER BRIDGE	100	
			TOTAL 0020	100	

MARKING CURB EPOXY

CATEGORY	STATION	LOCATION	646.8120 LF	REMARKS
0020	1050+00	OLD STH 64 MULTI-USE PATH	9	
		TOTAL 0020	9	

TEMPORARY MARKING LINE PAINT 4-INCH

CATEGORY	LOCATION	649.0105 LF	REMARKS
0010	HILLTOP DRIVE	3200	DOUBLE YELLOW
	TOTAL 0010	3200	

PAVEMENT MARKING

	646.1020				646.3020	646.5020			646.5220			646.6120	646.7020		646.7420	646.8320	646.9000
	MARKING LINE EPOXY 4-INCH												MARKING DIAGONAL EPOXY 6-INCH		MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH		
	YELLOW		WHITE														
	SOLID (LF)	3' SEG, 9' GAP (LF)	SOLID (LF)	3' SEG, 9' GAP (LF)	MARKING LINE EPOXY 8-INCH WHITE (LF)	(TYPE 1) (EACH)	MARKING ARROW EPOXY (TYPE 2) (EACH)	(BIKE LANE ARROW) (EACH)	(HANDICAP SYMBOL) (EACH)	MARKING SYMBOL EPOXY (PED SYMBOL) (EACH)	(BIKE LANE SYMBOL) (EACH)	MARKING STOP LINE EPOXY 18-INCH (LF)	WHITE (LF)	YELLOW (LF)		MARKING PARKING STALL EPOXY WHITE (LF)	MARKING REMOVAL LINE 4-INCH (LF)
CATEGORY 0010																	
MAIN STREET																	
STA. 2015+57- 2027+44	2356	---	1713	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STA. 2027+44- 2034+50	1232	---	1333	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STA. 2034+50- 2046+50	2366	---	2273	36	---	---	---	---	---	---	---	13	---	---	---	---	144
STATE STREET																	
STA. 0+77 - 2+43	92	---	209	---	---	---	---	---	---	---	---	---	---	---	---	---	---
RAINBOW STREET																	
STA. 0+71 - 1+33	---	---	170	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HOULTON SCHOOL CIRCLE																	
STA. 2+44 - 7+25	974	---	951	---	156	---	1	---	---	---	---	---	---	---	---	---	---
STA. 500+00 - 519+33.69	3164	---	3472	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HILLTOP ROAD																	
STA. 1210+81.03 - 1211+28.02	114	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HILLTOP DRIVE																	
STA. 1201+00.00 - 1208+50.63	1,336	---	1,179	---	---	---	---	---	---	---	---	22	---	---	---	---	---
HAWK STREET SOUTH																	
STA. 10+50.49A - 14+30.16A	1044	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PARK AND RIDE																	
STA. 50+00.00C - 53+00.00C	---	---	---	---	---	---	---	---	4	---	---	---	365	---	---	1,598	---
MULTI-USE TRAIL																	
STA. 99+10.75 - 108+97.47	---	199	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL 0010			24,213		156		1			4		35	365		---	1598	144
CATEGORY 0020																	
MAIN STREET																	
STA. 2015+57- 2027+44	---	226	---	---	---	---	---	---	---	---	---	---	---	---	111	---	---
STA. 2027+45- 2034+50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
STA. 2034+50- 2046+50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
HOULTON SCHOOL CIRCLE																	
STA. 500+00 - 519+33.69	---	532	---	---	---	---	---	---	---	---	---	---	---	---	168	---	---
MAIN TRAILHEAD PARKING & PATH																	
STA. 519+33.69 - 522+55	440	---	---	---	---	2	---	---	2	---	---	---	537	---	150	1703	---
BIKE PATH OLD STH 64																	
STA. 1050+00 - 1082+68	3,702	203	188	553	---	---	---	16	---	4	5	---	---	203	515	---	---
HILLTOP DRIVE																	
PARKING AREA	---	---	---	---	---	2	---	---	2	---	---	---	301	---	---	867	---
TOTAL 0020			5,845		---		20			13		---	1,041		943	2,570	---
CATEGORY 0060																	
MAIN STREET																	
STA. 2004+01- 2014+71	2006	---	1908	---	153	---	2	---	---	---	---	---	---	---	---	---	---
TOTAL 0060			3,914		153		2			---		---	---		---	---	---
PROJECT 8110-02-73 TOTAL			**33,971**		**309**		**23**			**17**		**35**	**1,406**		**943**	**4,168**	**144**

CONSTRUCTION STAKING STORM SEWER

CATEGORY	STATION	LOCATION	650.4000 EACH	REMARKS
0020	1063+00	OLD STH 64 MULTI-USE PATH	1	
0020	1066+48	OLD STH 64 MULTI-USE PATH	1	
0020	1069+01	OLD STH 64 MULTI-USE PATH	1	
0020	1072+50	OLD STH 64 MULTI-USE PATH	1	
0020	1076+00	OLD STH 64 MULTI-USE PATH	1	
0020	1078+22	OLD STH 64 MULTI-USE PATH	1	
0020	1078+22	OLD STH 64 MULTI-USE PATH	1	
0020	2026+36	OLD STH 64 MULTI-USE PATH	1	
0020	1064+00	OLD STH 64 MULTI-USE PATH	1	
0020	2026+36	OLD STH 64 MULTI-USE PATH	1	
0020	1063+73	OLD STH 64 MULTI-USE PATH	1	
0020		HILLTOP PARKING	1	
0020		HILLTOP PARKING	1	
0020		HILLTOP PARKING	1	
0020		HILLTOP PARKING	1	
		TOTAL 0020	15	
0060	2026+36	MAIN ST	1	
0060	2026+36	MAIN ST	1	
		TOTAL 0060	2	

CONSTRUCTION STAKING PIPE CULVERTS

CATEGORY	STATION TO	STATION	LOCATION	650.6000 EACH	REMARKS
0010			HILLTOP DRIVE	1	
0010	511+60	- 512+15	HOULTON SCHOOL CIRCLE	1	
0010			HOULTON SCHOOL CIRCLE	1	
0010	513+65		HOULTON SCHOOL CIRCLE	1	
0010	500+48		HOULTON SCHOOL CIRCLE	1	
0010			HILLTOP DRIVE	1	
0010			HILLTOP DRIVE	1	
0010	2029+34		MAIN ST	1	
0010	519+51		HOULTON SCHOOL CIRCLE	1	
			TOTAL 0010	9	
0020			HILLTOP PARKING	1	
0020			HILLTOP PARKING	1	
0020			MAIN TRAILHEAD	1	
0020			MAIN PARKING	1	
0020			MAIN PARKING	1	
0020	1064+75	1065+65	OLD STH 64 MULTI-USE PATH	1	
0020	1064+75	1065+65	OLD STH 64 MULTI-USE PATH	1	
			TOTAL 0020	7	

CONSTRUCTION STAKING BASE

CATEGORY	STATION TO	STATION	LOCATION	650.5000 LF	REMARKS
0010	2027+45	- 2034+50	MAIN ST	705	
0010	500+52	- 513+87	PATH	1335	
0010	1201+00	- 1208+51	HILLTOP DRIVE	751	
0010	10+59	- 18+29	HAWK ST PATH	770	
0010			PARK AND RIDE	1033	PARKING LOT, 30' WIDTH
0010	20+00	25+00	SNOW RD	500	
0010	10+00	14+30	HAWK STREET	430	
			TOTAL 0010	5524	
0020			HILLTOP PARKING	930	PARKING LOT, 30' WIDTH
0020			MAIN TRAILHEAD PARKING	947	PARKING LOT, 30' WIDTH
0020	0+00	- 2+88	MAIN TRAILHEAD TRAIL	288	
0020	183+59	192+23	SHARED-USE PATH	864	
0020	1050+00	1082+53	OLD STH 64 MULTI-USE PATH	3253	
			TOTAL 0020	6282	

CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER

CATEGORY	STATION TO	STATION	LOCATION	650.5500 LF	REMARKS
0010	50+00	- 53+00	PARK AND RIDE	113	
0010	2015+55	- 2015+92	MAIN ST	58	
0010	2015+52	- 2015+74	MAIN ST	24	
0010	2018+40	2018+63	MAIN ST	23	
0010	2026+30	- 2026+42	MAIN ST	12	
0010	2027+44	- 2029+30	MAIN ST	185	
0010	2028+62	- 2028+94	MAIN ST	49	
0010	2029+34	2029+54	MAIN ST	50	
0010	10+00	14+30	HAWK STREET SOUTH	250	
0010			HAWK STREET	30	
0010	50+00	53+00	PARK AND RIDE	162	
0010	50+00	53+00	PARK AND RIDE	46	
0010	2015+60	2015+75	MAIN ST	15	
0010	2015+50	2015+65	MAIN ST	25	
0010	513+50	513+60	HOULTON SCHOOL CIRCLE	10	
0010			UNDISTRIBUTED	200	
			TOTAL 0010	1252	
0020			HILLTOP PARKING	301	
0020	1058+18	1079+50	OLD STH 64 MULTI-USE PATH	2139	
0020			HILLTOP PARKING	55	
0020			HILLTOP PARKING	25	
0020			MAIN TRAILHEAD	20	
			TOTAL 0020	2540	

CONSTRUCTION STAKING CONCRETE PAVEMENT

CATEGORY	STATION TO	STATION	LOCATION	650.7000 LF	REMARKS
0010	50+00	- 53+00	PARK AND RIDE	136	
			TOTAL 0010	136	

CONSTRUCTION STAKING CURB RAMPS

CATEGORY	STATION TO	STATION	LOCATION	650.9000 EACH	REMARKS
0010	2015+60	- 2015+75	MAIN ST	1	
0010	2015+50	- 2015+65	MAIN ST	1	
0010			HOULTON SCHOOL CIRCLE	1	
0010			HAWK STREET SOUTH	1	
0010	50+00	53+00	PARK AND RIDE	2	
			TOTAL 0010	6	
0020			HILLTOP PARKING	1	
0020			MAIN TRAILHEAD	1	
			TOTAL 0020	2	

CONSTRUCTION STAKING RESURFACING REFERENCE

CATEGORY	STATION TO	STATION	LOCATION	650.8000 LF	REMARKS
0010			HOULTON SCHOOL CIRLCE	1640	
			TOTAL 0010	1640	
0060	2004+01	- 2014+71	MAIN ST	1070	
0060	2034+50	- 2078+42	MAIN ST	4392	
			TOTAL 0060	5462	

CONSTRUCTION STAKING SLOPE STAKES

CATEGORY	STATION TO	STATION	LOCATION	650.9920 LF	REMARKS
0010	0+77	- 2+43	STATE ST	166	
0010	0+71	- 1+61	RAINBOW ST	90	
0010	500+00	- 519+33	HOULTON SCHOOL CIRCLE	1934	
0010	1201+00	- 1208+50	HILLTOP DRIVE	751	
0010	12+00	14+50	HAWK STREET SOUTH	250	
			TOTAL 0010	3191	
0020	1050+00	- 1082+68	OLD STH 64 MULTI-USE PATH	2368	
			TOTAL 0020	2368	
0060	2014+71	- 2034+50	MAIN ST	1979	
			TOTAL 0060	1979	

LIGHTING CONDUIT AND WIRE

FROM	-	TO	652.0210 CONDUIT RIGID NONMETALLIC SCHEDULE 40 1-INCH LF	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG LF	204.9090.S.02 REMOVING ELECTRICAL CONDUCTORS FROM EXISTING CONDUIT LF	REMARKS
ALL ITEMS ARE CATEGORY 0010								
PARK AND RIDE								
MP 100	-	PB 100	--	60	--	--	--	PULL WIRE ONLY
PB 100	-	PB 101	--	50	--	--	--	PULL WIRE ONLY
MP 100	-	SL 100	--	15	90	--	--	--
SL 100	-	SL 101	--	160	510	--	--	--
SL 101	-	SL 102	--	120	540	--	--	EXISTING CONDUIT
PARK AND RIDE SUBTOTAL			0	405	1,140	0	0	
MAIN TRAILHEAD								
CB 200	-	PB 200	--	100	354	--	--	--
PB 200	-	SL 200	--	120	399	--	--	--
SL 200	-	SL 202	--	150	480	--	--	--
SL 202	-	SL 201	--	150	--	--	--	PULL WIRE ONLY
SL 201	-	PB 200	--	40	318	--	--	--
CB 200	-	PB 201	--	130	740	--	--	--
PB 201	-	EXPB 403	--	190	1,280	--	--	--
CB 200	-	KIOSK	--	120	--	--	--	PULL WIRE ONLY
CB 200	-	KIOSK	--	120	--	--	--	PULL WIRE ONLY
CB 200	-	OUT 200	--	120	--	520	--	--
CB 200	-	OUT 201	--	120	--	520	--	--
CB 200	-	PB 202	--	200	--	--	--	PULL WIRE ONLY
PB 202	-	PB 203	--	50	--	--	--	PULL WIRE ONLY
CB 200	-	SIGN	--	110	--	--	--	PULL WIRE ONLY
CB 200	-	SIGN	--	110	--	--	--	PULL WIRE ONLY
CB 200	-	PB 204	--	265	--	1,332	--	COIL 50' OF WIRE IN PB203
CB 200	-	PB 205	20	--	--	--	--	PULL WIRE ONLY
EXCB 400	-	EXPB 402	--	--	--	--	20	EXISTING CONDUIT
EXPB 402	-	EXPB 403	--	--	--	--	250	EXISTING CONDUIT
EXPB 403	-	TUNNEL	--	--	--	--	40	EXISTING CONDUIT
MAIN TRAILHEAD SUBTOTAL			20	2095	3571	2372	310	
HILLTOP TRAILHEAD								
CB 300	-	SL 301	--	85	300	--	--	--
SL 301	-	SL 300	--	160	510	--	--	--
SL 301	-	SL 302	--	160	510	--	--	--
CB 300	-	OUT 300	--	50	--	240	--	--
CB 300	-	OUT 301	--	50	--	240	--	--
CB 300	-	PB 300	--	120	--	--	--	PULL WIRE ONLY
PB 300	-	PB 305	--	25	--	--	--	PULL WIRE ONLY
CB 300	-	PB 301	--	160	--	--	--	PULL WIRE ONLY
PB 301	-	PB 306	--	25	--	--	--	PULL WIRE ONLY
CB 300	-	PB 302	--	160	--	--	--	PULL WIRE ONLY
PB 302	-	PB 307	--	25	--	--	--	PULL WIRE ONLY
PB 303	-	PB 304	--	25	--	--	--	PULL WIRE ONLY
CB 300	-	PB 308	20	--	--	--	--	PULL WIRE ONLY
HILLTOP TRAILHEAD SUBTOTAL			20	1045	1320	480	0	
RAMP GATE								
EXSL 400	-	EXPB 404	--	--	--	--	--	EXISTING CONDUIT
EXPB 404	-	EXPB 405	--	--	--	--	--	EXISTING CONDUIT
EXSL 405	-	EXPB 406	--	--	--	--	--	EXISTING CONDUIT
EXPB 406	-	G55 22	--	10	--	--	--	--
RAMP GATE SUBTOTAL			0	10	0	0	0	
PRJOECT TOTALS			40	3555	6031	2852	310	

LIGHTING PULLBOXES

PULLBOX NUMBER	STATION	OFFSET	R/L	653.0140 PULL BOXES STEEL 24X42-INCH EACH
ALL ITEMS ARE CATEGORY 0010				
PARK AND RIDE				
PB 100	50+44	25.1'	LT	1
PB 101	50+44	22.6'	RT	1
PARK AND RIDE SUBTOTAL				2
MAIN TRAILHEAD				
PB 200	186+39	16.0'	LT	1
PB 201	185+55	15.0'	RT	1
PB 202	FIELD LOCATE			1
PB 203	184+17	12.0'	LT	1
PB 204	FIELD LOCATE			1
PB 205	FIELD LOCATE			1
MAIN TRAILHEAD SUBTOTAL				6
HOULTON HILL TRAILHEAD				
PB 300	FIELD LOCATE			1
PB 301	FIELD LOCATE			1
PB 302	FIELD LOCATE			1
PB 303	11+25	43.6'	RT	1
PB 304	11+05	38.2'	RT	1
PB 305	FIELD LOCATE			1
PB 306	FIELD LOCATE			1
PB 307	FIELD LOCATE			1
PB 308	FIELD LOCATE			1
HOULTON HILL TRAILHEAD				9
PRJECT TOTALS				17

MISCELANEOUS ELECTRIC

CABINET NUMBER	STATION	OFFSET	R/L	SPV.0060.05 PEDESTAL MOUNTED OUTDOOR OUTLET EACH
ALL ITEMS ARE CATEGORY 0010				
MAIN TRAILHEAD				
OUT200	FIELD LOCATE			1
OUT201	FIELD LOCATE			1
MAIN TRAILHEAD SUBTOTAL				2
HOULTON HILL TRAILHEAD				
OUT300	FIELD LOCATE			1
OUT301	FIELD LOCATE			1
HOULTON HILL TRAILHEAD				2
PROJECT TOTALS				4

3

LIGHTING BASES

LIGHT NUMBER	STATION	OFFSET	R/L	* 654.0106 CONCRETE BASES TYPE 6 EACH	* 657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0327 POLES TYPE 6 ALUMINUM EACH	657.0714 LUMINAIRE ARMS TRUSS TYPE 4-INCH CLAMP 15-FT EACH	657.0715 LUMINAIRE ARMS TRUSS TYPE 4 1/2-INCH CLAMP 15-FT EACH	659.1120 LUMINAIRES UTILITY LED B EACH	SPV.0060.04 INSTALL LIGHT POLE STATE OWNED EACH	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF
ALL ITEMS ARE CATEGORY 0010											
PARK AND RIDE											
SL 100	50+63	76.5'	LT	1	1	--	1	--	1	1	189
SL 101	50+01	108.6'	LT	1	1	--	1	--	1	1	189
SL 102	53+07	34.7'	LT	1	1	--	1	--	1	1	189
PARK AND RIDE SUBTOTAL				3	3	0	3	0	3	3	567
MAIN TRAILHEAD											
SL 200	187+39	73.1'	LT	1	1	1	--	1	1	--	189
SL 201	186+46	20.0'	RT	1	1	1	--	1	1	--	189
SL 202	187+87	68.7'	RT	1	1	1	--	1	1	--	189
MAIN TRAILHEAD SUBTOTAL				3	3	3	0	3	3	0	567
HOULTON HILL TRAILHEAD											
SL 300	13+54	18.8'	RT	1	1	1	--	1	1	--	189
SL 301	12+09	24.2'	LT	1	1	1	--	1	1	--	189
SL 302	10+52	19.0'	RT	1	1	1	--	1	1	--	189
HOULTON HILL TRAILHEAD				3	3	3	0	3	3	0	567
PROJECT TOTALS				9	9	6	3	6	9	3	1701

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONTROL

CABINET NUMBER	STATION	OFFSET	R/L	650.8500.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (8110-02-73) LS	SPV.0105.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL SPECIAL (MB100) LS	SPV.0105.03 ELECTRICAL SERVICE METER AND CONTROL PANELS (CB200) LS	SPV.0105.05 ELECTRICAL SERVICE METER AND CONTROL PANELS (CB300) LS
ALL ITEMS ARE CATEGORY 0010							
PARK AND RIDE							
MP100	50+51	76.5'	LT	--	1	--	--
PARK AND RIDE SUBTOTAL				0	1	0	0
MAIN TRAILHEAD							
CB200	FIELD LOCATE			--	--	1	--
MAIN TRAILHEAD SUBTOTAL				0	0	1	0
HOULTON HILL TRAILHEAD							
CB300	FIELD LOCATE			--	--	--	1
HOULTON HILL TRAILHEAD				0	0	0	1
PROJECT 8110-02-73				1	--	--	--
PROJECT TOTALS				1	1	1	1

RAMP CLOSURE GATE ITEMS

STATION	ITEM ID	* 654.0106 CONCRETE BASES TYPE 6 EACH	* 657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0326 POLES TYPE 6 STEEL EACH	SPV.0060.08 REMOVE AND REINSTALL RAMP CLOSURE GATES HARDWIRED 40-FT EACH
ALL ITEMS ARE CATEGORY 0010					
	G55-22	1	1	1	1
PROJECT TOTALS		1	1	1	1

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TUNNEL LIGHTING

STATION	PROJECT ID	SPV.0060.07 REMOVE AND REPLACE TUNNEL LUMINAIRE EACH	SPV.0060.10 INSTALL WIRE AND VANDAL GUARDS EACH
ALL ITEMS ARE CATEGORY 0010			
	8110-02-73	10	10
PROJECT TOTALS		10	10

SAWING ASPHALT

CATEGORY	STATION TO	STATION	LOCATION	690.0150 LF
0010	2030+50		MAIN ST	24
0010	2030+60		MAIN ST	46
0010	0+77		STATE ST	22
0010	2+43		STATE ST	22
0010	0+77	- 2+43	STATE ST	183
0010	2+20		STATE ST	14
0010	0+71		RAINBOW ST	19
0010	0+71	- 1+33	RAINBOW ST	111
0010	1106+50		CTH E	24
0010	500+65	- 514+02	HOULTON SCHOOL CIRCLE	1337
0010	501+67		HOULTON SCHOOL CIRCLE	39
0010	501+45		HOULTON SCHOOL CIRCLE	24
0010	503+00		HOULTON SCHOOL CIRCLE	24
0010	505+06		HOULTON SCHOOL CIRCLE	21
0010	507+18		HOULTON SCHOOL CIRCLE	20
0010	509+05		HOULTON SCHOOL CIRCLE	22
0010	509+52		HOULTON SCHOOL CIRCLE	27
0010	511+35		HOULTON SCHOOL CIRCLE	35
0010	511+85		HOULTON SCHOOL CIRCLE	46
0010	513+50		HOULTON SCHOOL CIRCLE	23
0010	517+60		HOULTON SCHOOL CIRCLE	36
0010	519+33		HOULTON SCHOOL CIRCLE	24
0010	1201+00		HILLTOP DRIVE	19
0010	1207+44		HILLTOP DRIVE	63
0010	1210+81		HILLTOP ROAD	22
0010			HAWK STREET SOUTH	50
			TOTAL 0010	2297

SAWING ASPHALT

CATEGORY	STATION TO	STATION	LOCATION	690.0150 LF
0060	2004+01		MAIN ST	34
0060				
0060				
0060	2007+32		MAIN ST	20
0060	2007+34		MAIN ST	28
0060	2014+27	- 2015+38	MAIN ST	135
0060	2015+10	- 2015+98	MAIN ST	101
0060	2015+84	- 2025+52	MAIN ST	968
0060	2017+36		MAIN ST	50
0060	2017+75		MAIN ST	12
0060	2026+30		MAIN ST	34
0060	2026+42		MAIN ST	34
0060	2027+44		MAIN ST	31
0060	2034+50		MAIN ST	32
0060	2034+50	- 2046+54	MAIN ST	1250
0060	2036+10		MAIN ST	41
0060	2036+10		MAIN ST	51
0060	2037+20		MAIN ST	30
0060	2037+65		MAIN ST	44
0060	2039+25		MAIN ST	41
0060	2039+80		MAIN ST	21
0060	2040+25		MAIN ST	12
0060	2040+75		MAIN ST	12
0060	2042+00		MAIN ST	35
0060	2044+25		MAIN ST	32
0060	2045+50		MAIN ST	35
0060	2048+50		MAIN ST	30
0060	2058+73		MAIN ST	110
0060	2063+00		MAIN ST	41
0060	2078+42		MAIN ST	32
			TOTAL 0060	3296
			TOTAL	5593

SAWING CONCRETE

CATEGORY	STATION	LOCATION	690.0250 LF	REMARKS
0010	14+30	HAWK STREET SOUTH	3	
0010		UNDISTRIBUTED	100	
		TOTAL 0010	103	

SPECIAL 01. INTERPRETIVE PANEL SUPPORT POSTS AND BASES

CATEGORY	LOCATION	SPV.0060.01 EACH	REMARKS
0040	PROJECT WIDE	10	
	TOTAL 0040	10	

SPECIAL 02. INTERPRETIVE PANEL SUPPORT POST, DELIVERED

CATEGORY	LOCATION	SPV.0060.02 EACH	REMARKS
0040	PROJECT WIDE	2	
	TOTAL 0040	2	

SPECIAL 03. GATE PEDESTRIAN RAILING

CATEGORY	LOCATION	SPV.0060.03 EACH	REMARKS
0020	TOURIST PARK	1	10FT WIDE
	TOTAL 0020	1	

SPECIAL 09. GATE CHAIN LINK (26 FT. WIDTH) SPECIAL

CATEGORY	LOCATION	SPV.0060.09 EACH	REMARKS
0030	KOLLINER PARK	1	
	TOTAL 0030	1	

SPECIAL 06. GROUTED RIPRAP RESTORATION

CATEGORY	STATION	LOCATION	SPV.0060.06 EACH	REMARKS
0020	1066+48	OLD STH 64 MULTI-USE PATH	1	
0020	1069+01	OLD STH 64 MULTI-USE PATH	1	
0020	1072+50	OLD STH 64 MULTI-USE PATH	1	
0020	1076+00	OLD STH 64 MULTI-USE PATH	1	
0020	1078+22	OLD STH 64 MULTI-USE PATH	1	
0020	1064+75	OLD STH 64 MULTI-USE PATH	1	
0020	1065+65	OLD STH 64 MULTI-USE PATH	1	
		TOTAL 0020	7	

SPECIAL 11. TRAFFIC CONTROL REMOVING SIGN COVERS

CATEGORY	STATION	LOCATION	SPV.0060.11 EACH	REMARKS
0010	11+60	STH 35 EB	1	
0010	25+60	STH 35 WB	1	
0010	189+00	STH 35 WB	1	
0010	225+00	STH 35 WB	1	
		TOTAL 0010	4	

SPECIAL 01. POLYETHYLENE SHEETING MOBILIZATION

CATEGORY	LOCATION	SPV.0075.01 HRS	REMARKS
0010	PROJECT WIDE	25	
	TOTAL 0010	25	

SPECIAL 01. INFILTRATION BASIN SEEDING

CATEGORY	LOCATION	SPV.0085.01 LB	REMARKS
0020	MAIN TRAILHEAD	2	RAIN GARDEN
0020	MAIN TRAILHEAD	10	INFILTRATION BASIN
0020	MAIN TRAILHEAD	3	INFILTRATION BASIN
0020	HILLTOP TRAILHEAD	6	RAIN GARDEN
	TOTAL 0020	21	

SPECIAL 01. PEDESTRIAN RAILING

CATEGORY	LOCATION	SPV.0090.01 LF	REMARKS
0010	PARK AND RIDE	125	
	TOTAL 0010	125	
0020	OLD STH 64 MULTI-USE PATH	3350	
0020	MAIN RIVER BRIDGE	75	
	TOTAL 0020	3425	

SPECIAL 02. FENCE CHAIN LINK COATED 6-FT

CATEGORY	STATION TO	STATION	LOCATION	SPV.0090.02 LF	REMARKS
0030	1058+00 -	1060+15	OLD STH 64 MULTI-USE PATH	230	INCLUDES 20 FOOT GATE
			TOTAL 0030	230	

SPECIAL 03. CONCRETE CURB AND GUTTER CURE AND SEAL TREATMENT

CATEGORY	STATION TO	STATION	LOCATION	SPV.0090.03 LF	REMARKS
0010	50+00 -	53+00	PARK AND RIDE	113	
0010	2015+55 -	2015+92	MAIN ST	58	
0010	2015+52 -	2015+74	MAIN ST	24	
0010	2018+40	2018+63	MAIN ST	23	
0010	2026+30 -	2026+42	MAIN ST	12	
0010	2027+44 -	2029+30	MAIN ST	185	
0010	2028+62 -	2028+94	MAIN ST	49	
0010	2029+34	2029+54	MAIN ST	50	
0010	10+00	14+30	HAWK STREET SOUTH	250	
0010			HAWK STREET	30	
0010	50+00	53+00	PARK AND RIDE	162	
0010	50+00	53+00	PARK AND RIDE	46	
0010	2015+60	2015+75	MAIN ST	15	
0010	2015+50	2015+65	MAIN ST	25	
0010	513+50	513+60	HOULTON SCHOOL CIRCLE	10	
0010			UNDISTRIBUTED	200	
			TOTAL 0010	1252	
0020			HILLTOP PARKING	301	
0020	1058+18	1079+50	OLD STH 64 MULTI-USE PATH	2139	
0020			HILLTOP PARKING	55	
0020			HILLTOP PARKING	25	
0020			MAIN TRAILHEAD	20	
			TOTAL 0020	2540	

SPECIAL 05. CLEANING, GRADING AND SHAPING EXISTING DITCH

CATEGORY	STATION	LOCATION	SPV.0090.05 LF	REMARKS
0060	2007+00	MAIN STREET	50	
		TOTAL 0060	50	

SPECIAL 01. ANTI-GRAFFITI COATING

CATEGORY	LOCATION	SPV.0165.01 SF	REMARKS
0010	STH 35 OVERPASS	480	
0010	PEDESTRAIN UNDERPASS	8184	
	TOTAL 0010	8664	

SPECIAL 04. SAFETY FENCE MAINTENANCE

CATEGORY	LOCATION	SPV.0090.04 LF	REMARKS
0020	MAIN TRAILHEAD	700	
0020	MAIN RIVER BRIDGE	100	
	TOTAL 0020	800	

SPECIAL 01. PICNIC SHELTER

CATEGORY	LOCATION	SPV.0105.01 LS	REMARKS
0040	PICNIC SHELTER	1	
	TOTAL 0040	1	

SPECIAL 05. STATE WELCOME SIGN STRUCTURE

CATEGORY	LOCATION	SPV.0105.05 LS	REMARKS
0010	OLD STH 64 MULTI-USE PATH	1	
	TOTAL 0010	1	

SPECIAL 02. CONCRETE SIDEWALK CURE AND SEAL TREATMENT

CATEGORY	STATION TO	STATION	LOCATION	SPV.0165.02 SF	REMARKS
0010	10+00 -	14+30	HAWK STREET SOUTH	1900	
0010	50+00 -	53+00	PARK AND RIDE	2075	
			TOTAL 0010	3975	
0020			MAIN TRAILHEAD	100	
0020			MAIN TRAILHEAD	100	
0020			MAIN TRAILHEAD	100	
0020			MAIN TRAILHEAD	142	
0020			MAIN TRAILHEAD	12	
0020			MAIN TRAILHEAD	12	
0020			MAIN TRAILHEAD	12	
0020	133+08		OLD STH 64 MULTI-USE PATH	90	
0020			HILLTOP PARKING	288	
0020	165+16 -	165+57	SHARED USE PATH	150	
0020	156+38 -	156+61	SHARED USE PATH	24	
0020	133+00		STH 64 WB	92	
0020		CROSSWALK	OLD STH 64 MULTI-USE PATH	400	DARK GREY
0020		CROSSWALK	OLD STH 64 MULTI-USE PATH	400	WHITE
0020			HILLTOP PARKING	74	
0020			HILLTOP PARKING	663	
0020			OLD STH 64 MULTI-USE PATH	3900	REST ARES
0020			MAIN TRAILHEAD	1590	CONCRETE JOINT LAYOUT REQUIRED
0020		165+50	SHARED USE PATH	200	
0020		PLAZA I	OLD STH 64 MULTI-USE PATH	85	LIGHT TAN
0020		PLAZA I	OLD STH 64 MULTI-USE PATH	390	DARK TAN
0020		PLAZA II	OLD STH 64 MULTI-USE PATH	50	LIGHT TAN
0020		PLAZA II	OLD STH 64 MULTI-USE PATH	265	DARK TAN
			TOTAL 0020	9139	

SPECIAL 01. INFILTRATION BASIN SOIL MIX

CATEGORY	LOCATION	SPV.0180.01 SY	REMARKS
0020	MAIN TRAILHEAD	562	RAIN GARDEN
0020	MAIN TRAILHEAD	1805	INFILTRATION BASIN
0020	MAIN TRAILHEAD	840	INFILTRATION BASIN
0020	HILLTOP TRAILHEAD	600	RAIN GARDEN
	TOTAL 0020	3807	

SPECIAL 02. ARTICULATED CONCRETE REVETMENT MAT

CATEGORY	STATION	LOCATION	SPV.0180.02 SY	REMARKS
0030	1058+25	OLD STH 64 MULTI-USE PATH	27	KOLLINER PARK
		TOTAL 0030	27	

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SPECIAL 01. LIMESTONE AGGREGATE

CATEGORY	STATION TO	STATION	LOCATION	SPV.0195.01 TON
0010			HILLTOP DRIVE	10
0010			HILLTOP DRIVE	100
			TOTAL 0010	110
0020			MAIN TRAILHEAD	22
0020			MAIN TRAILHEAD	60
0020			HILLTOP PARKING	70
0020	156+38	156+61	SHARED USE PATH	45
0020	133+00		STH 64 WB	30
0020	156+50		SHARED-USE PATH	50
			TOTAL 0020	277

TRANSPORTATION PROJECT PLAT NO: 8110-02-21 - 4.05 AMENDMENT NO. 1

AMENDED TO ADD PARCELS 58 AND 59, UTILITY NUMBERS 30 AND 40, AND RAINBOW AND STATE STREET ALIGNMENTS TO TRANSPORTATION PROJECT PLAT 8110-02-21-4.05, RECORDED AS DOCUMENT NUMBER 1004910. PART OF LOT 1 BLOCK 5 AND LOT 8 BLOCK 2 OF THE PLAT OF HOULTON LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 3 OF SECTION 27, T 30 N, R 20 W, TOWN OF ST. JOSEPH, ST. CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 64 STILLWATER-SOMERSET ST. CROIX RIVER BRIDGE (WI ABUTMENT) ST. CROIX COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

1047226
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
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EXEMPT #
VOLUME: TPP1
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PAGES: 1

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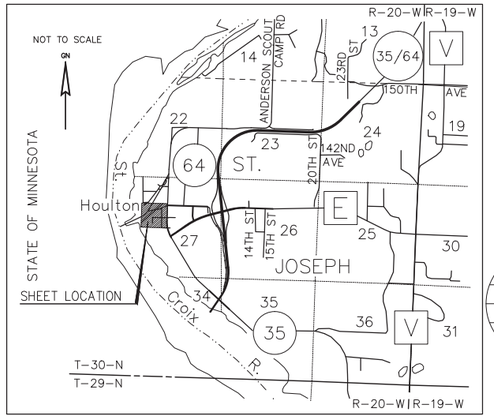
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8110-02-21-4.05
AMENDMENT NO: 1

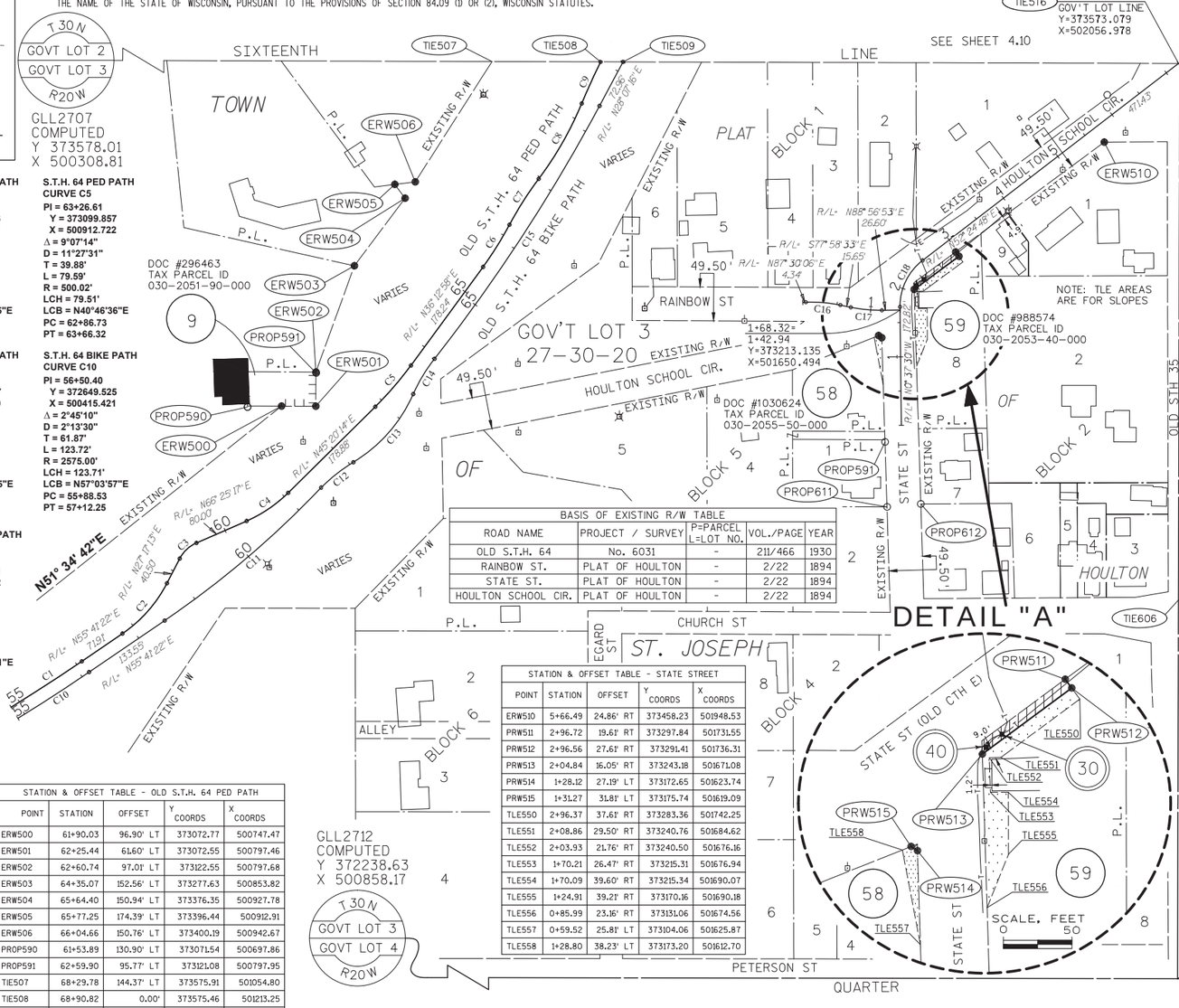


S.T.H. 64 PED PATH CURVE C1	S.T.H. 64 PED PATH CURVE C2	S.T.H. 64 PED PATH CURVE C3	S.T.H. 64 PED PATH CURVE C4	S.T.H. 64 PED PATH CURVE C5
PI = 56+47.16	PI = 58+31.07	PI = 59+37.87	PI = 60+71.47	PI = 63+26.61
Y = 372665.475	Y = 372769.154	Y = 372865.919	Y = 372919.916	Y = 373099.857
X = 500405.087	X = 500557.015	X = 500606.931	X = 500730.651	X = 500912.722
Δ = 2°45'10"	Δ = 28°24'10"	Δ = 39°08'04"	Δ = 21°05'04"	Δ = 9°07'14"
D = 2°14'30"	D = 28°38'53"	D = 114°35'28"	D = 28°38'53"	D = 11°27'31"
T = 61.41'	T = 50.61'	T = 17.77'	T = 37.22'	T = 39.88'
L = 122.80'	L = 99.14'	L = 34.15'	L = 73.60'	L = 79.59'
R = 2556.00'	R = 200.00'	R = 50.00'	R = 200.00'	R = 500.02'
LCH = 122.79'	LCH = 98.13'	LCH = 33.49'	LCH = 73.18'	LCH = 79.51'
LCB = N57°03'57"E	LCB = N41°29'17"E	LCB = N46°51'15"E	LCB = N55°52'45"E	LCB = N40°46'36"E
PC = 55+85.75	PC = 57+80.46	PC = 59+20.10	PC = 60+34.25	PC = 62+86.73
PT = 57+08.55	PT = 58+79.60	PT = 59+54.25	PT = 61+07.85	PT = 63+66.32

S.T.H. 64 PED PATH CURVE C6	S.T.H. 64 PED PATH CURVE C7	S.T.H. 64 PED PATH CURVE C8	S.T.H. 64 PED PATH CURVE C9	S.T.H. 64 BIKE PATH CURVE C10
PI = 65+80.99	PI = 66+57.16	PI = 67+60.68	PI = 68+57.33	PI = 56+50.40
Y = 373305.223	Y = 372372.654	Y = 373455.461	Y = 373545.417	Y = 372649.525
X = 501063.116	X = 501098.811	X = 501161.226	X = 501198.400	X = 500415.421
Δ = 8°19'58"	Δ = 9°07'08"	Δ = 14°32'53"	Δ = 3°50'20"	Δ = 2°45'10"
D = 11°27'33"	D = 11°27'33"	D = 11°27'32"	D = 5°43'47"	D = 2°13'30"
T = 36.42'	T = 39.87'	T = 63.82'	T = 33.51'	T = 61.87'
L = 72.72'	L = 79.58'	L = 126.96'	L = 67.00'	L = 123.72'
R = 500.01'	R = 500.00'	R = 500.01'	R = 999.99'	R = 2575.00'
LCH = 72.65'	LCH = 79.49'	LCH = 126.62'	LCH = 66.99'	LCH = 123.71'
LCB = N32°02'59"E	LCB = N32°27'50"E	LCB = N29°43'19"E	LCB = N24°22'55"E	LCB = N57°03'57"E
PC = 65+44.57	PC = 66+17.28	PC = 66+96.86	PC = 68+23.82	PC = 55+88.53
PT = 66+17.28	PT = 66+96.86	PT = 68+23.82	PT = 68+90.82	PT = 57+12.25

S.T.H. 64 BIKE PATH CURVE C11	S.T.H. 64 BIKE PATH CURVE C12	S.T.H. 64 BIKE PATH CURVE C13	S.T.H. 64 BIKE PATH CURVE C14
PI = 59+96.59	PI = 61+76.37	PI = 62+75.67	PI = 63+71.05
Y = 372844.407	Y = 372975.381	Y = 373026.557	Y = 373118.071
X = 500701.573	X = 500826.421	X = 500911.907	X = 500951.862
Δ = 12°19'42"	Δ = 14°44'55"	Δ = 35°30'28"	Δ = 14°51'23"
D = 4°06'13"	D = 24°35'26"	D = 26°24'13"	D = 24°35'26"
T = 150.79'	T = 30.16'	T = 69.48'	T = 30.38'
L = 300.42'	L = 59.98'	L = 134.48'	L = 60.42'
R = 1396.21'	R = 233.00'	R = 217.00'	R = 233.00'
LCH = 299.84'	LCH = 59.81'	LCH = 132.34'	LCH = 60.25'
LCB = N49°38'57"E	LCB = N51°43'09"E	LCB = N41°20'23"E	LCB = N31°00'51"E
PC = 58+45.79	PC = 61+46.22	PC = 62+06.19	PC = 63+40.67
PT = 61+46.22	PT = 62+06.19	PT = 63+40.67	PT = 64+01.09

S.T.H. 64 BIKE PATH CURVE C15	RAINBOW ST CURVE C16	RAINBOW ST CURVE C17	STATE ST CURVE C18
PI = 66+22.31	PI = 0+29.83	PI = 0+93.61	PI = 2+14.99
Y = 373315.968	Y = 373225.570	Y = 373212.225	Y = 373259.804
X = 501107.227	X = 501538.324	X = 501600.977	X = 501649.985
Δ = 9°56'30"	Δ = 14°31'21"	Δ = 13°04'34"	Δ = 53°02'19"
D = 2°15'10"	D = 28°38'52"	D = 28°38'52"	D = 67°47'45"
T = 221.22'	T = 25.48'	T = 22.92'	T = 42.17'
L = 441.33'	L = 50.69'	L = 45.64'	L = 78.23'
R = 2543.47'	R = 200.00'	R = 200.00'	R = 84.51'
LCH = 440.78'	LCH = 50.56'	LCH = 45.55'	LCH = 75.47'
LCB = N33°07'19"E	LCB = S86°14'14"E	LCB = S84°30'50"E	LCB = N25°53'39"E
PC = 64+01.09	PC = 0+04.34	PC = 0+70.69	PC = 1+72.82
PT = 68+42.42	PT = 0+55.04	PT = 1+16.34	PT = 2+51.05



STATION & OFFSET TABLE - OLD S.T.H. 64 PED PATH				
POINT	STATION	OFFSET	Y COORDS	X COORDS
ERW500	61+90.03	96.90' LT	373072.77	500747.47
ERW501	62+25.44	61.60' LT	373072.55	500797.46
ERW502	62+60.74	97.01' LT	373122.55	500797.68
ERW503	64+35.07	152.56' LT	373277.63	500853.82
ERW504	65+64.40	150.94' LT	373376.35	500927.78
ERW505	65+77.25	174.39' LT	373396.44	500912.91
ERW506	66+04.66	150.76' LT	373400.19	500942.67
PROP590	61+53.89	130.90' LT	373071.54	500697.86
PROP591	62+59.90	95.77' LT	373121.08	500797.95
TIE507	68+29.78	144.37' LT	373575.91	501054.80
TIE508	68+90.82	0.00'	373575.46	501213.25
TIE509	69+05.68	29.28' RT	373575.37	501245.99

STATION & OFFSET TABLE - STATE STREET				
POINT	STATION	OFFSET	Y COORDS	X COORDS
ERW510	5+66.49	24.86' RT	373458.23	501948.53
PRW511	2+96.72	19.61' RT	373297.84	501731.55
PRW512	2+96.56	27.61' RT	373291.41	501736.31
PRW513	2+04.84	16.05' RT	373243.18	501671.08
PRW514	1+28.12	27.19' LT	373172.65	501623.74
PRW515	1+31.27	31.81' LT	373175.74	501619.09
TLE550	2+96.37	37.61' RT	373283.36	501742.25
TLE551	2+08.86	29.50' RT	373240.76	501684.62
TLE552	2+03.93	21.76' RT	373240.50	501676.16
TLE553	1+70.21	26.47' RT	373215.31	501676.94
TLE554	1+70.09	39.60' RT	373215.34	501690.07
TLE555	1+24.91	39.21' RT	373170.16	501690.18
TLE556	0+85.99	23.16' RT	373131.06	501674.56
TLE557	0+59.52	25.81' LT	373104.06	501625.87
TLE558	1+28.80	38.23' LT	373173.20	501612.70

BASIS OF EXISTING R/W TABLE				
ROAD NAME	PROJECT / SURVEY	P=PARCEL L=LOT NO.	VOL./PAGE	YEAR
OLD S.T.H. 64	No. 6031	-	211/466	1930
RAINBOW ST.	PLAT OF HOULTON	-	2/22	1894
STATE ST.	PLAT OF HOULTON	-	2/22	1894
HOULTON SCHOOL CIR.	PLAT OF HOULTON	-	2/22	1894

SECTION COURSE TABLE		
COURSE	BEARING	DISTANCE
QRT2223-CEN2713	S 00°08'31" W	2672.18'
CEN2713-QTR2611	S 89°55'17" E	2662.80'
CEN2713-GLL2712	N 89°55'17" W	1197.32'
GLL2712-ERW500	N 07°33'36" W	841.45'
GLL2712-PRW515	N 39°04'33" E	1207.13'
QTR2223-SIX2708	S 00°08'31" W	1336.09'
QTR2223-TIE606	S 00°08'31" W	2119.36'
SIX2708-GLL2707	N 89°50'18" W	1750.00'
SIX2708-TIE516	N 89°50'18" W	1.82'
SIX2708-TIE509	N 89°50'18" W	812.81'
SIX2708-TIE508	N 89°50'18" W	845.55'
SIX2708-TIE507	N 89°50'18" W	1004.00'
GLL2707-TIE507	S 89°50'18" E	746.00'
ERW500-GLL2707	N 40°57'53" W	669.10'
SIX2708-ERW510	S 43°50'11" W	159.21'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
TIE507-ERW506	S 32°32'33" W	208.45'
ERW506-ERW505	S 82°50'11" W	30.00'
ERW505-ERW504	S 36°30'15" E	25.00'
ERW504-ERW503	S 36°50'27" W	123.35'
ERW503-ERW502	S 19°53'57" W	164.93'
ERW502-ERW501	S 00°14'42" W	50.00'
ERW501-ERW500	N 89°45'18" W	50.00'
PRW515-PRW514	S 56°22'08" E	5.59'
PRW514-PRW513	N 33°51'53" E	84.95'
PRW513-PRW512	N 53°31'37" E	81.12'
PRW512-PRW511	N 36°28'23" W	8.00'
PRW511-ERW510	N 53°31'37" E	269.83'

REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN ST. CROIX COUNTY, AS SHEET 2 OF 2 OF DOCUMENT NO. 963270 OF TPP'S FOR ADDITIONAL INFORMATION. ORIGINAL ACCESS CONTROL ALONG STH 64/35 ESTABLISHED BY STATUTES 84.09 AND 84.295 AS DEPICTED ON PREVIOUS PROJECT 1550-00-21 (1996).

UTILITY INTERESTS REQUIRED		
UTILITY #	OWNER(S)	INTEREST REQUIRED
30	WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN	RELEASE OF RIGHTS
40	NORTHERN STATES POWER COMPANY D/B/A XCEL ENERGY	RELEASE OF RIGHTS

UTILITY EASEMENT INFORMATION			
UTILITY #	PARCEL #	COMPANY NAME	DOCUMENT / VOL&PG
30	59	WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN	NO RECORD OF EASEMENT
40	58	NORTHERN STATES POWER COMPANY D/B/A XCEL ENERGY	91078A / V. 100, PG. 237 91082A / V. 100, PG. 241 91084A / V. 100, PG. 243
	59		

SCHEDULE OF LANDS AND INTERESTS REQUIRED		OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT				
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES OR (S.F.) REQUIRED			TLE S.F. REQUIRED
			NEW	EXISTING	TOTAL	
9	NEEDHAM DISTRIBUTING COMPANY	AR	---	---	---	---
58	BRUCE D. BAUER	FEE, TLE	11	---	11	394
59	BRIAN GOHL & BARBARA RYAN	FEE, TLE	627	---	627	2028

QUEST
Civil Engineers, LLC

320 West Grand Avenue, Suite 302
Wisconsin Rapids, WI 54495
Office: 715-423-3525
Fax: 715-423-3597

I, KOLBY SCHERTZ PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Kolby Schertz DATE: 5/03/2017
PRINT NAME: KOLBY SCHERTZ
REGISTRATION NUMBER: S-2862

WISCONSIN KOLBY F. SCHERTZ S-2862 SEYMOUR WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHWEST REGION

SIGNATURE: Michael Piller DATE: 5/03/2017
PRINT NAME: MICHAEL PILLER

TRANSPORTATION PROJECT PLAT NO: 8110-02-21 - 4.06

PART OF LOT 3, BLOCK 9, PLAT OF HOULTON AND THE SW 1/4 OF THE NE 1/4,
ALL IN SECTION 27, T 30 N, R 20 W, TOWN OF ST. JOSEPH, ST. CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 64 STILLWATER-SOMERSET (ST. CROIX RIVER BRIDGE APPROACH (WI)) ST. CROIX COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN ST. CROIX COUNTY, WISCONSIN AT 1:19PM ON 03/25/2013 AS DOCUMENT # 975509 AND FILED IN TPP 1, PAGE 95

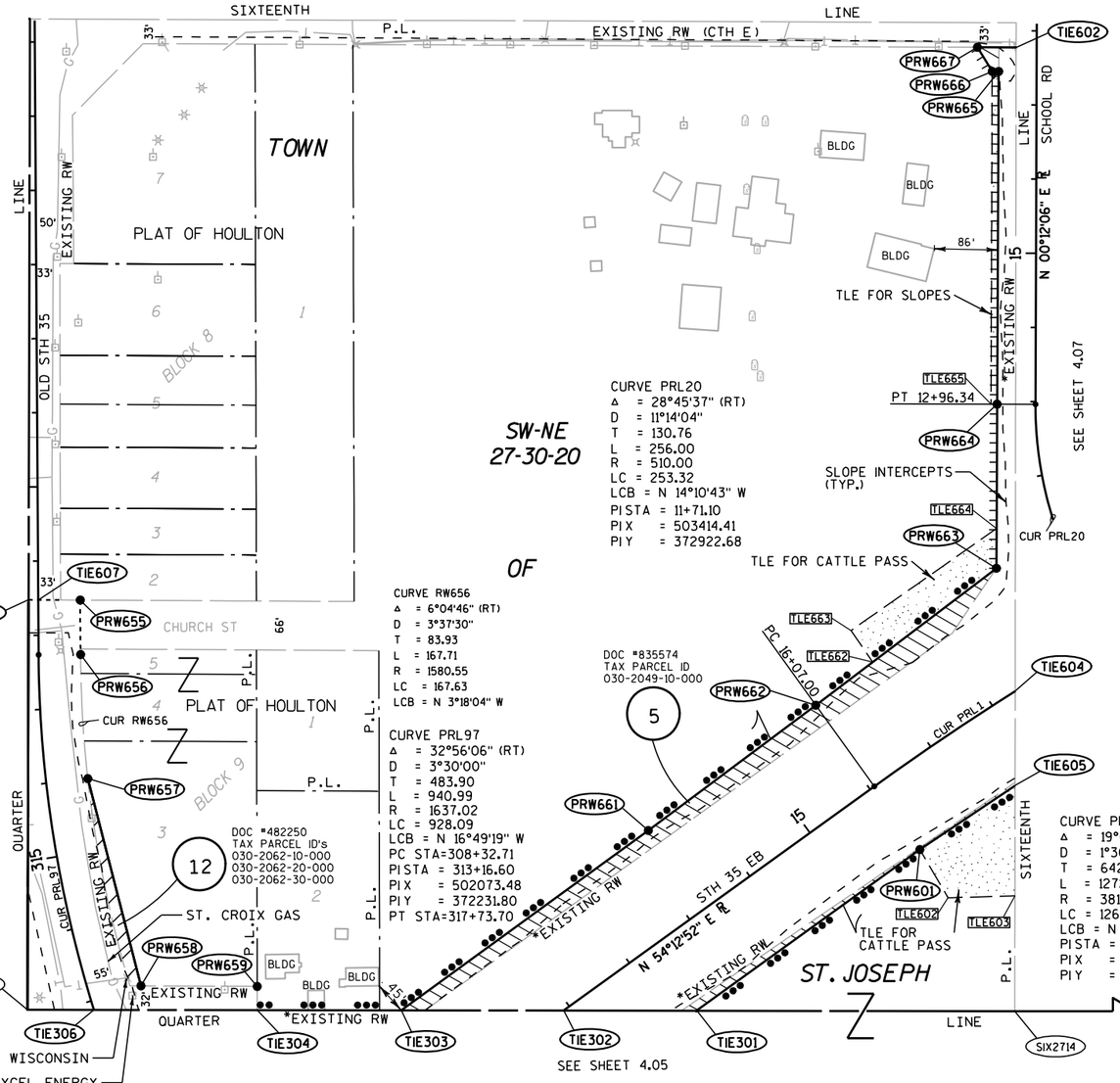
BETH PABST
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8110-02-21-4.06
AMENDMENT NO:

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 DEPARTMENT.

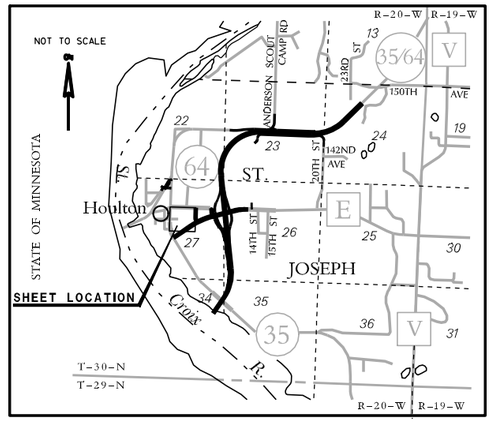
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES OR (S.F.) REQUIRED			PLE, TLE ACRES OR (SF)
			NEW	EXISTING	TOTAL	
5	MARY M. GILBERT	FEE, AR, TLE	0.62	0.00	0.62	0.62
12	EDWARD GILLSTROM	FEE	0.08	0.00	0.08	-.--



GN

COURSE TABLE			
FROM	TO	BEARING	DIST.
CEN2713	TIE606	N 00°08'30" E	552.81'
TIE606	TIE607	S 89°42'54" E	13.17'
TIE607	PRW655	S 89°42'54" E	56.61'
PRW655	PRW656	S 00°21'16" E	73.42'
CURVE RW656			
PRW657	PRW658	S 14°23'27" E	288.45'
PRW658	PRW659	S 89°43'23" E	156.85'
PRW659	TIE304	S 00°09'01" E	31.96'
TIE304	TIE306	N 89°55'17" W	220.18'
TIE306	CEN2713	N 89°55'17" W	89.69'
TIE303	PRW661	N 53°57'11" E	412.00'
PRW661	PRW662	N 53°11'55" E	282.04'
PRW662	PRW663	N 52°49'47" E	305.69'
PRW663	PRW664	N 00°16'13" E	221.23'
PRW664	PRW665	N 00°16'13" E	448.66'
PRW665	PRW666	N 89°47'54" W	8.78'
PRW666	PRW667	N 31°26'14" W	38.13'
PRW667	TIE602	S 89°41'55" E	52.12'
TIE602	TIE604	S 00°04'44" W	867.86'
TIE604	TIE605	S 00°04'44" W	127.25'
TIE605	PRW601	S 56°04'11" W	154.87'
PRW601	TIE301	S 54°12'52" W	371.53'
TIE301	TIE302	N 89°55'17" W	179.22'
TIE302	TIE303	N 89°55'17" W	218.68'

PLSS TIE TABLE			
FROM	TO	BEARING	DIST.
SEC2225	QTR2611	S 00°00'54" W	2659.13'
QTR2611	SIX2714	N 89°55'17" W	1331.40'
SIX2714	CEN2713	N 89°55'17" W	1331.40'
CEN2713	TIE303	S 89°55'17" E	504.02'



POINT TABLE - STA. OFFSET & COORDS.				
POINT #	STATION	DIST.	Y (N)	X (E)
STH 35 EB				
TIE303	9+13.00	-128.12'	372236.30	502559.52
TIE302	10+90.23	0.00'	372236.00	502778.20
TIE301	12+35.47	105.00'	372235.75	502957.42
PRW661	13+25.00	-130.00'	372478.74	502892.63
TLE602	16+00.00	180.00'	372388.07	503296.99
PRW662	16+07.00	-135.00'	372647.69	503118.47
PRW601	16+07.00	105.00'	372453.00	503258.81
TLE603	16+78.94	230.00'	372390.62	503387.12
TLE663	17+00.00	-190.00'	372748.43	503166.19
TLE662	17+00.00	-138.50'	372705.93	503195.28
TIE605	17+66.29	106.79'	372539.45	503387.31
TIE604	18+36.48	0.00'	372666.70	503387.49
PRW663	19+01.04	-154.16'	372832.39	503362.06
TLE664	19+27.86	-200.00'	372886.14	503362.34
QLD STH 35				
TIE304	312+11.58	208.51'	372236.56	502365.36
PRW659	312+46.29	219.06'	372268.53	502365.28
TIE306	312+87.30	0.00'	372236.86	502145.18
PRW658	312+99.89	70.00'	372269.28	502208.43
CEN2713	313+12.87	-85.77'	372236.99	502055.49
PRW657	316+00.00	56.33'	372548.68	502136.75
PRW656	317+73.70	56.60'	372716.03	502127.09
TIE606	318+47.90	-13.17'	372789.80	502056.86
TIE607	318+47.75	0.00'	372789.73	502070.03
PRW655	318+47.12	56.60'	372789.45	502126.64
SCHOOL RD				
TLE665	12+96.34	-60.00'	373053.65	503354.87
PRW664	12+96.34	-51.76'	373053.62	503363.10
PRW665	17+45.00	-51.22'	373502.27	503365.22
PRW666	17+45.00	-60.00'	373502.30	503356.44
TIE602	17+77.37	-27.88'	373534.56	503388.68
PRW667	17+77.46	-80.00'	373534.83	503336.56

T 30 N, R 20 W, Sec 22 23 27 26
SEC2225
ALUM. CAP
ST. CROIX CO.
SURVEYOR
Y = 374892.46
X = 504719.00

T 30 N, R 20 W, Sec 27 26
QTR2611
ALUM. CAP
ST. CROIX CO.
SURVEYOR
Y = 372233.34
X = 504718.30

UTILITY EASEMENTS	
PARCEL	DOCUMENT / V&PG
5	319253 / V 504, PG 620
5	283568 / V 421, PG 298-99

SCALE, FEET
0 100 200

REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN ST. CROIX COUNTY, AS SHEET 2 OF 2 OF DOCUMENT NO. 963270 OF TPP'S FOR ADDITIONAL INFORMATION.

ORIGINAL ACCESS CONTROL ALONG STH 64/35 ESTABLISHED BY STATUTES 84.09 AND 84.295 AS DEPICTED ON PREVIOUS PROJECT 1550-00-21 (1996).

*NON-MONUMENTED RIGHT OF WAY PURCHASED ON PREVIOUS PROJECT 1550-00-21 ADJUSTED TO FIT PLSS LINES AND HIGHWAY EASEMENTS ON RECORD.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF

DANIEL ANDERSON — PRINTED NAME | SIGNATURE | 03/20/2013 — DATE

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

MICHAEL PILLER — PRINTED NAME | SIGNATURE | 03/20/2013 — DATE

FILE NAME : p:\PDS\Projects\81100201_STH64_Stillwater Bridge\RW PLATS\DGN_PDF\TPP Sheets\81100201-4.06.dgn
APPRAISAL PLAT DATE : 03/20/2013
DESIGN: 28-MAR-2013 10:07 PLOT BY : dotdza PLOT NAME : PLOT SCALE : 200:1

TRANSPORTATION PROJECT PLAT NO: 8110-02-21 -4.07 AMENDMENT NO. 2

AMENDS PARCEL 23 TO TRANSPORTATION PROJECT PLAT 8110-02-21-4.07 AMENDMENT NO. 1, RECORDED AS DOCUMENT NUMBER 999865, BEING PART OF THE SE 1/4 OF THE NE 1/4 OF SECTION 27, T 30 N, R 20 W, TOWN OF ST. JOSEPH, ST. CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 64 STILLWATER-SOMERSET (ST. CROIX RIVER BRIDGE APPROACH (WI)) ST. CROIX COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

1047227
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
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05/04/2017 2:28 PM
EXEMPT #
VOLUME: TPP1
PAGES: 144
PAGES: 1

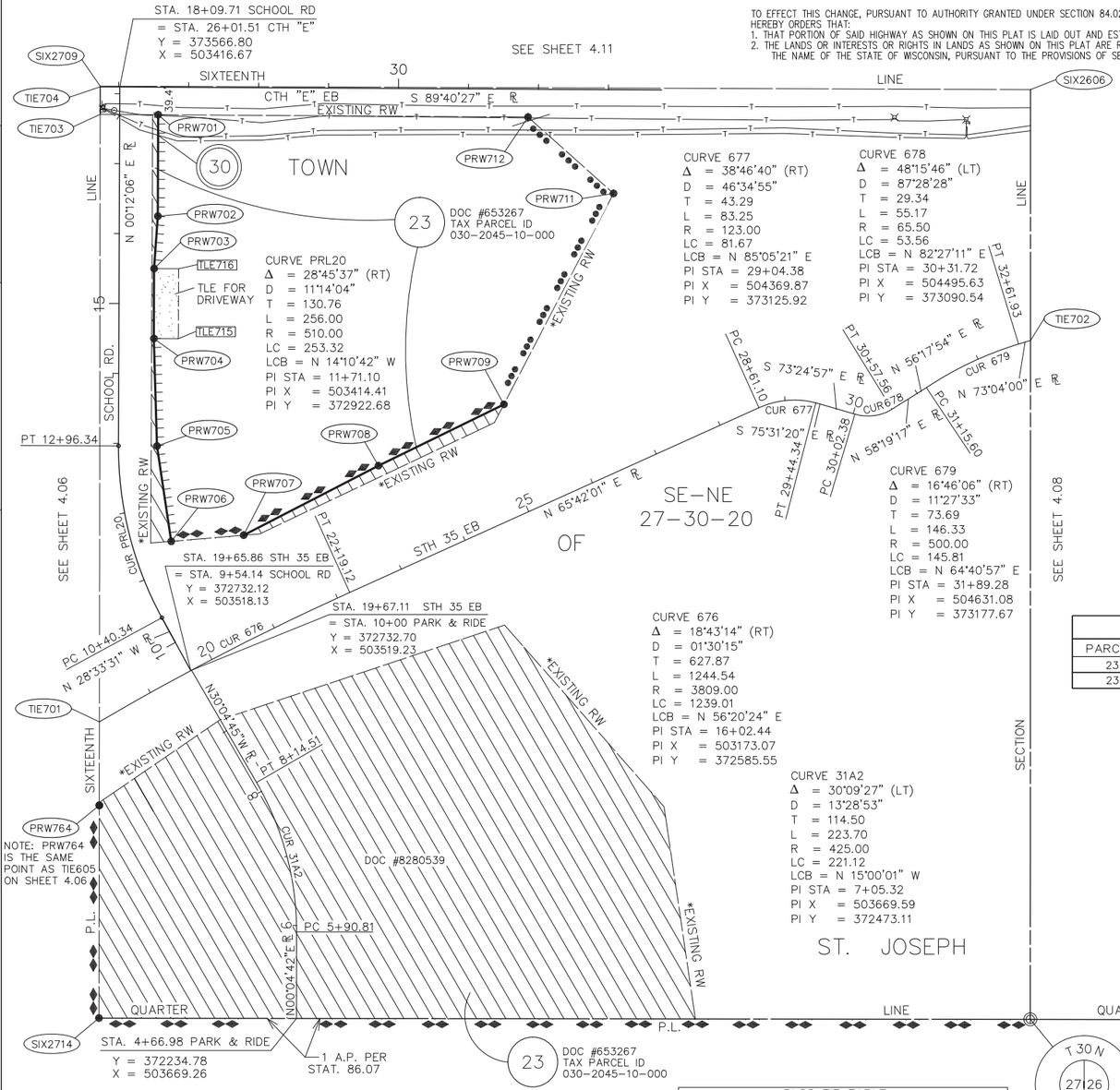
**The above recording information verifies that this document has been electronically recorded & returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8110-02-21-4.07
AMENDMENT NO: 2

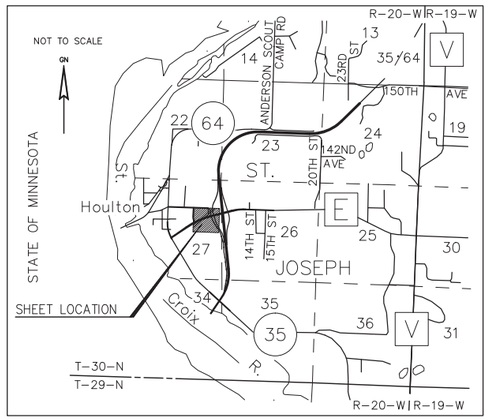
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES OR (S.F.) REQUIRED			PLE, TLE ACRES OR (SF)
			NEW	EXISTING	TOTAL	
23	JAMES & GLORIA JOYCE REV TRUST	FEE,AR,TLE	8.76	0.00	8.76	0.08



COURSE TABLE			
FROM	TO	BEARING	DIST.
SIX2606	TIE702	S 00°00'54" W	358.60'
TIE702	QTR2611	S 00°00'54" W	970.96'
QTR2611	SIX2714	N 89°55'17" W	1331.40'
SIX2714	PRW764	N 00°04'43" E	304.29'
PRW764	TIE701	N 00°04'43" E	119.54'
TIE701	TIE703	N 00°04'43" E	868.57'
TIE703	PRW701	S 89°38'02" E	82.87'
PRW701	PRW712	S 89°38'02" E	528.78'
PRW712	PRW711	S 48°12'51" E	163.79'
PRW711	PRW709	S 27°26'23" W	339.89'
PRW709	PRW708	S 63°56'17" W	199.76'
PRW708	PRW707	S 62°42'59" W	216.77'
PRW707	PRW706	S 85°11'16" W	103.83'
PRW706	PRW705	N 08°30'14" W	137.74'
PRW705	PRW704	N 01°39'43" W	153.74'
PRW704	PRW703	N 00°12'06" E	100.00'
PRW703	PRW702	N 04°00'57" E	75.17'
PRW702	PRW701	N 00°12'07" E	145.13'
PRW701	TIE703	N 89°38'02" W	82.87'
TIE703	TIE704	N 00°04'43" E	39.40'
TIE704	SIX2709	N 00°04'43" E	1.02'
SIX2709	SIX2606	S 89°46'51" E	1329.93'



UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	OWNERS	INTEREST REQUIRED
30	WISCONSIN BELL INC. D/B/A AT&T WISCONSIN	RELEASE OF RIGHTS
40	NORTHERN STATES POWER COMPANY D/B/A XCEL ENERGY	RELEASE OF RIGHTS

UTILITY EASEMENT INFORMATION		
PARCEL	COMPANY NAME	DOCUMENT/VOL&PG
23		93361a / V 100,PG 573
23	APPLE RIVER POWER COMPANY	93681A / V 100,PG 630

POINT TABLE - STA. OFFSET & COORDS.				
POINT =	STATION	DIST.	Y(N)	X(E)
STH 35 EB				
PRW764	17+53.89	102.57'	372539.45	503387.31
TIE701	18+16.13	0.00'	372658.99	503387.48
PRW707	21+18.25	-138.33'	372925.73	503593.70
PRW708	23+31.08	-148.23'	373025.10	503786.36
PRW709	25+30.74	-154.37'	373112.86	503965.80
QTR2611	30+37.38	891.42'	372233.34	504718.30
TIE702	32+79.66	0.00'	373204.30	504718.55
SIX2606	33+84.19	-343.03'	373562.90	504718.65
PARK & RIDE				
SIX2714	4+66.98	-282.47'	372235.16	503386.89
SCHOOL RD				
PRW706	11+41.35	55.00'	372917.01	503490.24
PRW705	12+96.34	55.00'	373053.24	503469.86
PRW704	14+50.00	50.00'	373206.92	503465.41
TLE715	14+50.00	85.00'	373206.80	503500.41
PRW703	15+50.00	50.00'	373306.92	503465.76
TLE716	15+50.00	85.00'	373306.79	503500.76
PRW702	16+25.00	55.00'	373381.90	503471.02
PRW701	17+70.13	55.00'	373527.03	503471.53
CTH "E" EB				
SIX2709	25+73.55	-1.02'	373567.99	503388.72
TIE704	25+73.55	0.00'	373566.96	503388.72
TIE703	25+73.72	39.40'	373527.56	503388.67
PRW712	31+85.37	39.83'	373523.66	504000.30
PRW711	33+08.12	148.28'	373414.51	504122.43

PLSS TIE TABLE			
FROM	TO	BEARING	DIST.
QTR2511	QTR2611	S 89°43'34" W	5283.57'
QTR2611	SIX2606	N 00°00'54" E	1329.56'
SIX2606	SIX2709	S 89°46'51" E	1326.93'
SIX2709	SIX2714	S 00°04'43" W	1332.83'
SIX2714	QTR2611	S 89°55'17" E	1331.40'

REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN ST. CROIX COUNTY, AS SHEET 2 OF 2 OF DOCUMENT NO. 963270 OF TPP'S FOR ADDITIONAL INFORMATION.

ORIGINAL ACCESS CONTROL ALONG STH 64/35 ESTABLISHED BY STATUTES 84.09 AND 84.295 AS DEPICTED ON PREVIOUS PROJECT 1550-00-21 (1996).

*NON-MONUMENTED RIGHT OF WAY PURCHASED ON PREVIOUS PROJECT 1550-00-21 ADJUSTED TO FIT PLSS LINES AND HIGHWAY EASEMENTS ON RECORD.

GN

SCALE, FEET
0 100 200

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, CHRISTINA MARTIN PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE:5/02/2017
PRINT NAME: CHRISTINA MARTIN
REGISTRATION NUMBER:S-2807

WISCONSIN CHRISTINA C. MARTIN S-2807 SPOONER WIS LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHWEST REGION

SIGNATURE: _____ DATE:5/02/2017
PRINT NAME: MICHAEL PILLER

FILE NAME : $$....designfile....$$
APPRAISAL PLAT DATE :
PLOT DATE : 5/02/2017 PLOT BY : KFS PLOT NAME : PLOT SCALE : 1" = 200'

TRANSPORTATION PROJECT PLAT NO: 8110-02-21 - 4.10

PART OF LOT 5 OF C.S.M. 19-4895 AND LOT 1 OF C.S.M. 8-2353 LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 2 OF SECTION 27, T 30 N, R 20 W, TOWN OF ST. JOSEPH, ST. CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 64 STILLWATER-SOMERSET ST. CROIX RIVER BRIDGE (WI ABUTMENT) ST. CROIX COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

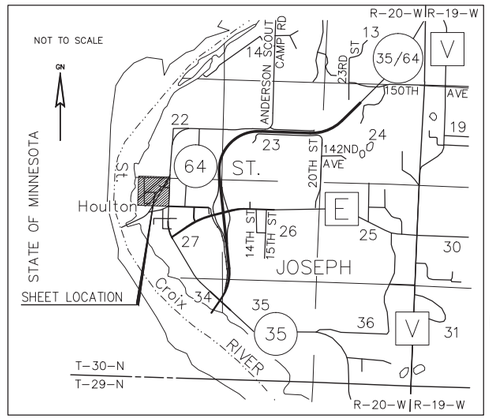
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN ST. CROIX COUNTY, AS SHEET 2 OF 2 OF DOCUMENT NO. 963270 OF TPP'S FOR ADDITIONAL INFORMATION.

1047231
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
05/04/2017 2:30 PM
EXEMPT #
VOLUME: TPP1
PAGES: 145
PAGES: 1

**The above recording information verifies that this document has been electronically recorded & returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8110-02-21-4.10
AMENDMENT NO:



STATION & OFFSET TABLE TO HILLTOP ROAD ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
1001	19+27.85	40.44' LT	374660.170	501459.853
1002	21+20.87	32.10' LT	374552.697	501635.510
1003	21+37.41	47.70' LT	374556.494	501657.926
PROP597	21+38.00	32.78' LT	374543.751	501650.132
PROP599	21+40.63	33.17' RT	374487.446	501615.698
PROP600	19+23.58	27.91' RT	374594.329	501441.004
TLE1051	21+30.64	33.57' RT	374492.665	501607.168
TLE1052	20+55.07	29.49' LT	374587.068	501579.333

STATION & OFFSET TABLE TO HILLTOP DRIVE ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
1000	2+15.40	33.00' LT	373705.045	501137.207
1002	11+93.83	42.85' LT	374552.697	501635.510
1003	12+08.81	28.49' LT	374556.494	501657.926
1004	16+31.51	53.63' LT	374909.966	501874.098
PROP596	13+44.72	62.62' LT	374671.635	501728.342
PROP597	11+95.86	25.87' LT	374543.751	501650.132
PROP599	11+35.02	25.22' LT	374487.446	501615.698
PROP601	7+31.97	33.50' LT	374145.230	501406.410
PROP602	8+09.02	33.57' LT	374210.955	501446.605
PROP603	4+01.95	33.18' LT	373863.680	501234.223
TIE507	0+62.21	33.00' LT	373575.908	501054.802
TLE1050	10+77.14	28.91' LT	374437.965	501585.437
TLE1051	11+35.66	35.20' LT	374492.665	501607.168
TLE1052	11+88.14	108.24' LT	374587.068	501579.333
TLE1053	12+32.44	35.90' LT	374580.434	501672.567

EXISTING MONUMENTS			
Point #	Y	X	DESCRIPTION
PROP596	374671.635	501728.342	1" IRON PIPE
PROP597	374543.751	501650.132	PK NAIL
PROP599	374487.446	501615.698	3/4" IRION PIPE
PROP600	374594.329	501441.004	3/4" IRION PIPE
PROP601	374145.230	501406.410	1" IRON PIPE
PROP602	374210.955	501446.605	1" IRON PIPE
PROP603	373863.680	501234.223	1" IRON PIPE

SECTION COURSE TABLE			
COURSE	BEARING		DISTANCE
QTR2223-SEC2225	S	89°38'24" E	2656.94'
SEC2225-SIX2606	S	00°00'54" W	1329.56'
SEC2225-QTR2611	S	00°00'54" W	2659.12'
SIX2606-QTR2611	S	00°00'54" W	1329.56'
SIX2606-SIX2708	N	89°46'51" W	2659.88'
QTR2611-CEN2713	N	89°55'18" W	2662.80'
QTR2223-SIX2708	S	00°08'31" W	1336.09'
QTR2223-CEN2713	S	00°08'31" W	2672.18'
SIX2708-CEN2713	S	00°08'31" W	1336.09'
SIX2708-GLL2707	N	89°50'18" W	1750.00'
SIX2708-TIE1006	N	89°50'18" W	964.92'
TIE1006-TIE507	N	89°50'18" W	39.08'
TIE507-GLL2707	N	89°50'18" W	746.00'
QTR2223-GLL2222	N	89°45'18" W	1840.84'
QTR2223-TIE1005	N	89°45'18" W	116.89'
QTR2223-1004	N	89°45'18" W	188.01'
TIE1005-1004	N	89°45'18" W	71.12'
1004-GLL2222	N	89°45'18" W	1652.83'

R/W COURSE TABLE			
COURSE	BEARING		DISTANCE
TIE507-1000	N	32°32'33" E	153.19'
1000-PROP601	N	31°26'55" E	515.98'
PROP601-PROP602	N	31°26'55" E	77.04'
PROP602-PROP599	N	31°26'55" E	324.10'
PROP599-PROP600	N	58°32'25" W	204.80'
PROP600-1001	N	15°58'33" E	68.49'
1001-1002	S	58°32'25" E	205.93'
1002-1003	N	80°23'10" E	22.74'
1003-1004	N	31°26'55" E	414.33'

UTILITY INTERESTS REQUIRED		
UTILITY #	OWNER(S)	INTEREST REQUIRED
10	MIDWEST NATURAL GAS, INC.	RELEASE OF RIGHTS

UTILITY EASEMENT INFORMATION			
UTILITY #	PARCEL #	COMPANY NAME	DOCUMENT / VOL&PG
10	56	MIDWEST NATURAL GAS, INC.	NO RECORD OF EASEMENT

BASIS OF EXISTING R/W TABLE				
ROAD NAME	PROJECT / SURVEY	P=PARCEL L=LOT NO.	VOL./PAGE	YEAR
STH 64	No. 6031	-	211/466	1930
HILLTOP ROAD	C.S.M. 1-250	-	1/250	1976
HILLTOP ROAD	C.S.M. 19-4895	-	19/4895	2004
HILLTOP LANE	C.S.M. 1-144	-	1/144	1975

QUEST
Civil Engineers, LLC
320 West Grand Avenue, Suite 302
Wisconsin Rapids, WI 54495
Office: 715-423-3525
Fax: 715-423-3597

I, KOLBY F. SCHERTZ PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

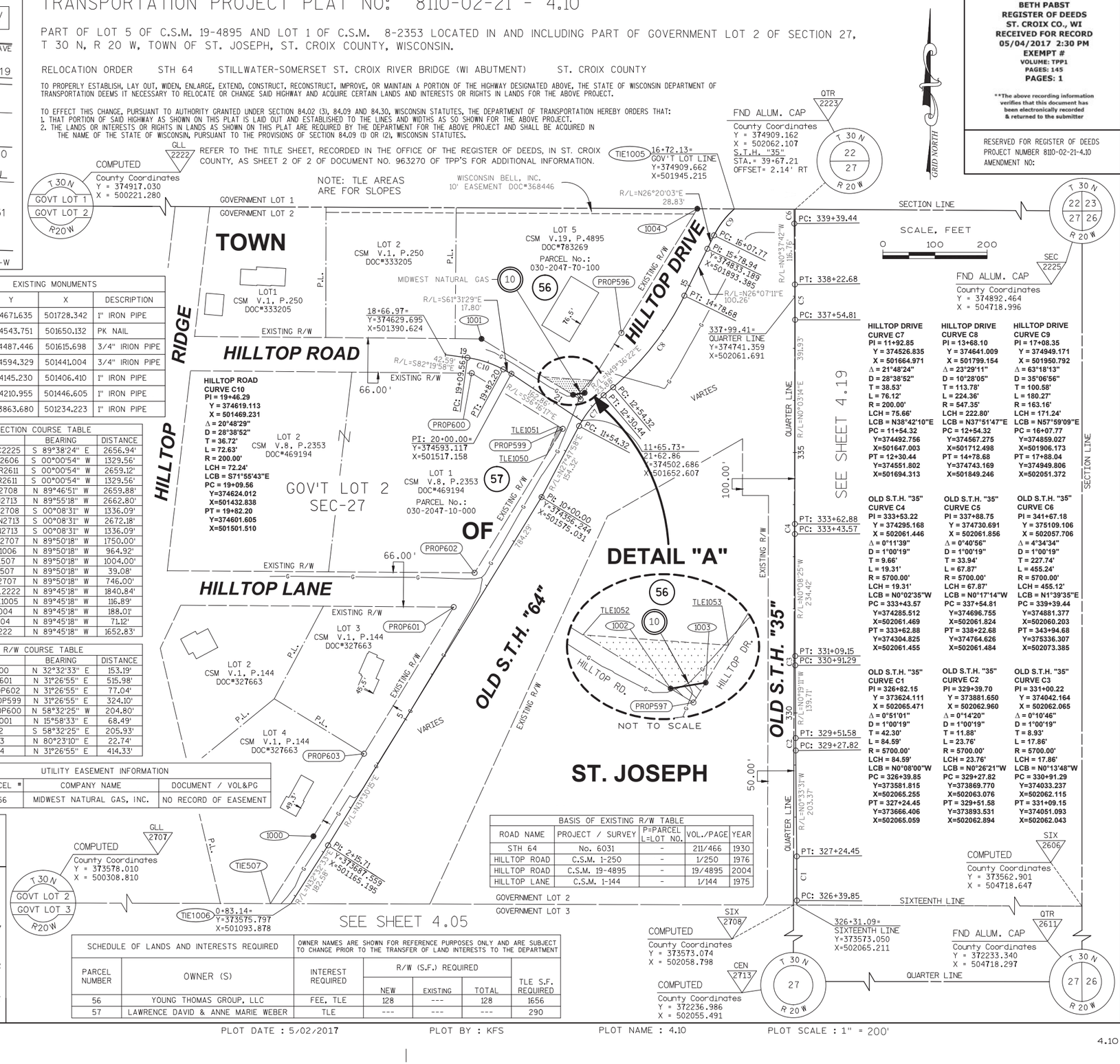
SIGNATURE: Kolby Schertz DATE: 5/02/2017
PRINT NAME: KOLBY F. SCHERTZ
REGISTRATION NUMBER: S-2862

WISCONSIN KOLBY F. SCHERTZ S-2862 SEYMOUR WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHWEST REGION

SIGNATURE: Michael Piller DATE: 5/02/2017
PRINT NAME: MICHAEL PILLER

SCHEDULE OF LANDS AND INTERESTS REQUIRED			OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT			
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W (S.F.) REQUIRED			TLE S.F. REQUIRED
			NEW	EXISTING	TOTAL	
56	YOUNG THOMAS GROUP, LLC	FEE, TLE	128	---	128	1656
57	LAWRENCE DAVID & ANNE MARIE WEBER	TLE	---	---	---	290


GRID NORTH
SCALE, FEET
0 100 200
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
GOVERNMENT LOT 1
GOVERNMENT LOT 2
GOVERNMENT LOT 3
TOWN
HILLTOP ROAD
HILLTOP DRIVE
HILLTOP RIDGE
HILLTOP LANE
OLD S.T.H. "64"
OLD S.T.H. "35"
ST. JOSEPH
GOV'T LOT 2 SEC-27
LOT 1 CSM V.8, P.2353 DOC#469194 PARCEL No.: 030-2047-10-000
LOT 2 CSM V.8, P.2353 DOC#469194
LOT 2 CSM V.1, P.250 DOC#333205
LOT1 CSM V.1, P.250 DOC#333205
LOT 2 CSM V.1, P.144 DOC#327663
LOT 3 CSM V.1, P.144 DOC#327663
LOT 4 CSM V.1, P.144 DOC#327663
LOT 5 CSM V.19, P.4895 DOC#783269 PARCEL No.: 030-2047-70-100
WISCONSIN BELL, INC. 10' EASEMENT DOC#368446
MIDWEST NATURAL GAS
NOTE: TLE AREAS ARE FOR SLOPES
COMPUTED County Coordinates Y = 374917.030 X = 500221.280
GLL 2222
T 30 N GOVT LOT 1 GOVT LOT 2 R 20 W
FND ALUM. CAP County Coordinates Y = 374909.162 X = 502062.107 S.T.H. "35" STA.= 39+67.21 OFFSET= 2.14' RT
QTR 2223
T 30 N 22 27 R 20 W
FND ALUM. CAP County Coordinates Y = 374892.464 X = 504718.996
SEC 2225
T 30 N 22 23 27 26 R 20 W
TIE1005 16+72.13= GOV'T LOT LINE Y=374909.662 X=501945.215
1004
PC: 16+07.77
PI: 15+78.94 Y=374833.188 X=501893.385
PT: 14+78.68
337+99.41= QUARTER LINE Y=374741.359 X=502061.691
PC: 339+39.44
PT: 338+22.68
PC: 337+54.81
PT: 333+62.88
PC: 333+43.57
PT: 331+09.15
PC: 330+91.29
PT: 329+51.58
PC: 329+27.82
PT: 327+24.45
PC: 326+39.85
326+31.09= SIXTEENTH LINE Y=373573.050 X=502065.211
SEE SHEET 4.19
SEE SHEET 4.05
18+66.97= Y=374629.695 X=501390.624
1001
PROP596
PROP597
PROP599
PROP600
PROP601
PROP602
PROP603
TLE1051
TLE1050
TLE1052
TLE1053
1002
1003
TIE507
1000
TIE1006 0+83.14= Y=373575.797 X=501093.878
PI: 20+00.00= Y=374593.117 X=501517.158
PI: 10+00.00 Y=374356.244 X=501375.031
PC: 19+82.20
PT: 19+92.20
PC: 12+54.32
PT: 12+30.44
PC: 11+54.32
11+65.73= 21+62.86 Y=374502.686 X=501652.607
DETAIL "A"
NOT TO SCALE
HILLTOP RD.
HILLTOP DR.
HILLTOP ROAD CURVE C10 PI = 19+46.29 Y = 374619.113 X = 501469.231 Δ = 20°48'29" D = 28°38'52" T = 36.72' L = 72.63' R = 200.00' LCH = 72.24' LCB = S71°55'43"E PC = 19+09.56 Y=374624.012 X=501432.838 PT = 19+82.20 Y=374601.605 X=501501.510
HILLTOP DRIVE CURVE C7 PI = 11+92.85 Y = 374526.835 X = 501664.971 Δ = 21°48'24" D = 28°38'52" T = 38.53' L = 76.12' R = 200.00' LCH = 75.66' LCB = N38°42'10"E PC = 11+54.32 Y=374492.756 X=501647.003 PT = 12+30.44 Y=374551.802 X=501694.313
HILLTOP DRIVE CURVE C8 PI = 13+68.10 Y = 374641.009 X = 501799.154 Δ = 23°29'11" D = 10°28'05" T = 113.78' L = 224.36' R = 547.35' LCH = 222.80' LCB = N37°51'47"E PC = 12+54.32 Y=374567.275 X=501712.498 PT = 14+78.68 Y=374743.169 X=501849.246
HILLTOP DRIVE CURVE C9 PI = 17+08.35 Y = 374949.171 X = 501950.792 Δ = 63°18'13" D = 35°06'56" T = 100.58' L = 180.27' R = 163.16' LCH = 171.24' LCB = N57°59'09"E PC = 16+07.77 Y=374859.027 X=501906.173 PT = 17+88.04 Y=374949.806 X=502051.372
OLD S.T.H. "35" CURVE C4 PI = 333+53.22 Y = 374295.168 X = 502061.446 Δ = 0°11'39" D = 1°00'19" T = 9.66' L = 19.31' R = 5700.00' LCH = 19.31' LCB = N0°02'35"W PC = 333+43.57 Y=374285.512 X=502061.469 PT = 333+62.88 Y=374304.825 X=502061.455
OLD S.T.H. "35" CURVE C5 PI = 337+88.75 Y = 374730.691 X = 502061.856 Δ = 0°40'56" D = 1°00'19" T = 33.94' L = 67.87' R = 5700.00' LCH = 67.87' LCB = N0°17'14"W PC = 337+54.81 Y=374696.755 X=502061.824 PT = 338+22.68 Y=374764.626 X=502061.484
OLD S.T.H. "35" CURVE C6 PI = 341+67.18 Y = 375109.106 X = 502057.706 Δ = 4°34'34" D = 1°00'19" T = 227.74' L = 455.24' R = 5700.00' LCH = 455.12' LCB = N1°39'35"E PC = 339+39.44 Y=374881.377 X=502060.203 PT = 343+94.68 Y=375336.307 X=502073.385
OLD S.T.H. "35" CURVE C1 PI = 326+82.15 Y = 373624.111 X = 502065.471 Δ = 0°51'01" D = 1°00'19" T = 42.30' L = 84.59' R = 5700.00' LCH = 84.59' LCB = N0°08'00"W PC = 326+39.85 Y=373581.815 X=502065.255 PT = 327+24.45 Y=373666.406 X=502065.059
OLD S.T.H. "35" CURVE C2 PI = 329+39.70 Y = 373881.650 X = 502062.960 Δ = 0°14'20" D = 1°00'19" T = 11.88' L = 23.76' R = 5700.00' LCH = 23.76' LCB = N0°26'21"W PC = 329+27.82 Y=373869.770 X=502063.076 PT = 329+51.58 Y=373893.531 X=502062.894
OLD S.T.H. "35" CURVE C3 PI = 331+00.22 Y = 374042.164 X = 502062.065 Δ = 0°10'46" D = 1°00'19" T = 8.93' L = 17.86' R = 5700.00' LCH = 17.86' LCB = N0°13'48"W PC = 330+91.29 Y=374033.237 X=502062.115 PT = 331+09.15 Y=374051.093 X=502062.043
SIX 2606 COMPUTED County Coordinates Y = 373562.901 X = 504718.647
SIX 2708 COMPUTED County Coordinates Y = 373573.074 X = 502058.798
CEN 2713 COMPUTED County Coordinates Y = 372236.986 X = 502055.491
QTR 2611 FND ALUM. CAP County Coordinates Y = 372233.340 X = 504718.297
GLL 2707 COMPUTED County Coordinates Y = 373578.010 X = 500308.810
PROP602 PROP601 PROP603 PROP597 PROP596 PROP600
HILLTOP ROAD HILLTOP LANE HILLTOP DRIVE
EXISTING R/W
VARIES
66.00'
100.00'
50.00'
R/L=N26°20'03"E 28.83'
R/L=S61°31'29"E 17.80'
R/L=S82°19'58"E 42.59'
R/L=S49°36'22"E 76.16'
R/L=S26°07'11"E 100.26'
R/L=N0°37'42"W 116.76'
R/L=N0°03'14"E 391.93'
R/L=N0°08'25"W 234.42'
R/L=N0°19'11"W 139.71'
R/L=N0°33'31"W 203.37'
R/L=N31°30'15"E 182.56'
R/L=N13°47'58"E 184.32'
R/L=N13°47'58"E 184.29'
R/L=N56°56'11"E 162.66'
R/L=N31°30'15"E 49.3'
R/L=N31°30'15"E 45.5'
R/L=N31°30'15"E 5.1'
R/L=N31°30'15"E 49.3'
P.I.
P.I.
P.I.

REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN ST. CROIX COUNTY, AS SHEET 2 OF 2 OF DOCUMENT NO. 963270 OF TPP'S FOR ADDITIONAL INFORMATION.

ORIGINAL ACCESS CONTROL ALONG STH 64/35 ESTABLISHED BY STATUTES 84.09 AND 84.295 AS DEPICTED ON PREVIOUS PROJECT 1550-00-21 (1996).

* NON-MONUMENTED RIGHT OF WAY PURCHASED ON PREVIOUS PROJECT 1550-00-21 IN 1996 AND IS RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN ST. CROIX COUNTY, AS DOCUMENT 549027. EXISTING RIGHT OF WAY IS ADJUSTED TO FIT PLSS LINES AND HIGHWAY EASEMENTS ON RECORD.

EXISTING RIGHT OF WAY DIMENSIONS FOR HOULTON SCHOOL CIR. ARE MEASURED FROM THE EAST-WEST SIXTEENTH LINE.

SCHEDULE OF LANDS AND INTERESTS REQUIRED		OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT				
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES OR (S.F.) REQUIRED			TLE S.F. REQUIRED
			NEW	EXISTING	TOTAL	
74	JOINT SCHOOL DISTRICT NO. 1	TLE	---	---	---	3321
89	JAMES E. & GLORIA A. JOYCE	TLE	---	---	---	720

TRANSPORTATION PROJECT PLAT NO: 8110-02-21 - 4.11 AMENDMENT NO.2

AMENDED TO ADD PARCEL 74 AND 89 TO TRANSPORTATION PROJECT PLAT 8110-02-21-4.11 AMENDMENT 1, RECORDED AS DOCUMENT NUMBER 999868 OF TRANSPORTATION PROJECT PLATS. LOCATED IN THE NE 1/4, OF THE NE 1/4, OF SECTION 27, T 30 N, R 20 W, TOWN OF ST. JOSEPH, ST. CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 64 STILLWATER-SOMERSET ST. CROIX RIVER BRIDGE (WI ABUTMENT) ST. CROIX COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09 AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

1047233
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
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EXEMPT #
VOLUME: TPP1
PAGES: 146
PAGES: 1

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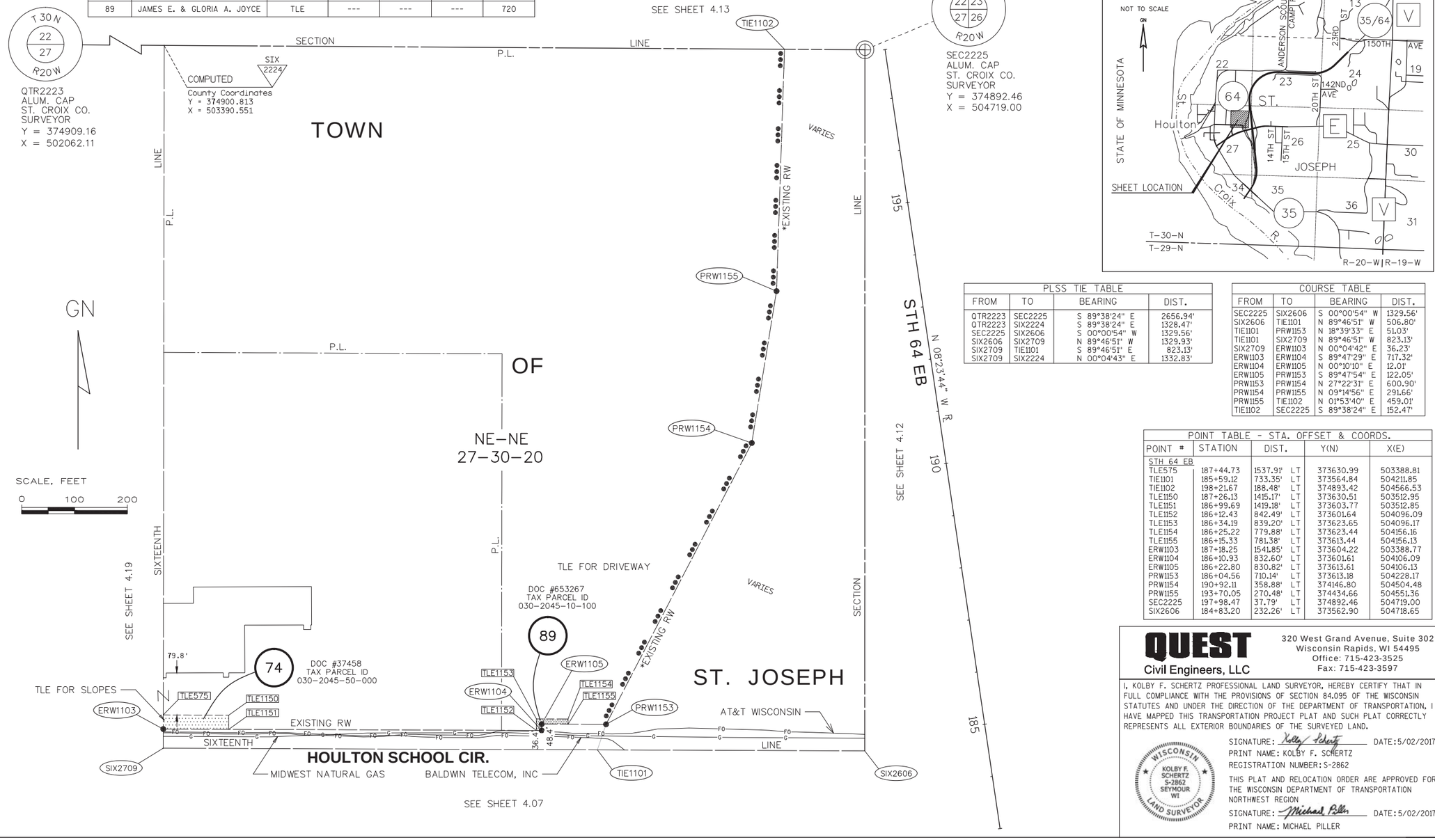
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8110-02-21-4.11
AMENDMENT NO: 2



PLSS TIE TABLE			
FROM	TO	BEARING	DIST.
QTR2223	SEC2225	S 89°38'24" E	2656.94'
QTR2223	SIX2224	S 89°38'24" E	1328.47'
SEC2225	SIX2606	S 00°00'54" W	1329.56'
SIX2606	SIX2709	N 89°46'51" W	1329.93'
SIX2709	TIE101	S 89°46'51" E	823.13'
SIX2709	SIX2224	N 00°04'43" E	1332.83'

COURSE TABLE			
FROM	TO	BEARING	DIST.
SEC2225	SIX2606	S 00°00'54" W	1329.56'
SIX2606	TIE1101	N 89°46'51" W	506.80'
TIE1101	PRW1153	N 18°39'33" E	51.03'
TIE1101	SIX2709	N 89°46'51" W	823.13'
SIX2709	ERW1103	N 00°04'42" E	36.23'
ERW1103	ERW1104	S 89°47'29" E	717.32'
ERW1104	ERW1105	N 00°10'10" E	12.01'
ERW1105	PRW1153	S 89°47'54" E	122.05'
PRW1153	PRW1154	N 27°22'31" E	600.90'
PRW1154	PRW1155	N 09°14'56" E	291.66'
PRW1155	TIE1102	N 01°53'40" E	459.01'
TIE1102	SEC2225	S 89°38'24" E	152.47'

POINT TABLE - STA. OFFSET & COORDS.					
POINT #	STATION	DIST.		Y(N)	X(E)
STH 64 EB					
TLE575	187+44.73	1537.91'	LT	373630.99	503388.81
TIE1101	185+59.12	733.35'	LT	373564.84	504211.85
TIE1102	198+21.67	188.48'	LT	374893.42	504566.53
TLE1150	187+26.13	1415.17'	LT	373630.51	503512.95
TLE1151	186+99.69	1419.18'	LT	373603.77	503512.85
TLE1152	186+12.43	842.49'	LT	373601.64	504096.09
TLE1153	186+34.19	839.20'	LT	373623.65	504096.17
TLE1154	186+25.22	779.88'	LT	373623.44	504156.16
TLE1155	186+15.33	781.38'	LT	373613.44	504156.13
ERW1103	187+18.25	1541.85'	LT	373604.22	503388.77
ERW1104	186+10.93	832.60'	LT	373601.61	504106.09
ERW1105	186+22.80	830.82'	LT	373613.61	504106.13
PRW1153	186+04.56	710.14'	LT	373613.18	504228.17
PRW1154	190+92.11	368.88'	LT	374146.80	504504.48
PRW1155	193+70.05	270.48'	LT	374434.66	504551.36
SEC2225	197+98.47	37.79'	LT	374892.46	504719.00
SIX2606	184+83.20	232.26'	LT	373562.90	504718.65

QUEST
Civil Engineers, LLC
320 West Grand Avenue, Suite 302
Wisconsin Rapids, WI 54495
Office: 715-423-3525
Fax: 715-423-3597

I, KOLBY F. SCHERTZ PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN KOLBY F. SCHERTZ S-2862 SEYMOUR WI LAND SURVEYOR

SIGNATURE: Kolby Schertz DATE:5/02/2017
PRINT NAME: KOLBY F. SCHERTZ
REGISTRATION NUMBER:S-2862

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHWEST REGION

SIGNATURE: Michael Piller DATE:5/02/2017
PRINT NAME: MICHAEL PILLER

FILE NAME : $$....designfile....$$
APPRAISAL PLAT DATE :
PLOT DATE : 5/02/2017 PLOT BY : KFS PLOT NAME : 4.11-A2 PLOT SCALE : 1" = 200'

SCHEDULE OF LANDS AND INTERESTS REQUIRED		OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT				
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES OR (S.F.) REQUIRED			TLE S.F. REQUIRED
			NEW	EXISTING	TOTAL	
71	ALBERT A. SEVERSON	TLE	---	---	---	1012
72	MANN VALLEY, LLC	TLE	---	---	---	4923
73	MARILYN A. HANSON	TLE	---	---	---	2074
74	JOINT SCHOOL DISTRICT NO. 1	TLE	---	---	---	6263
75	JEFFREY MELSTROM	TLE	---	---	---	504
80	EDWART G. & MARY E. GILLSTROM	TLE	---	---	---	6299
83	JARED ANDERSON	TLE	---	---	---	235
84	RICKY A. & BRENDA L. CRAWFORD	TLE	---	---	---	590
85	KEVIN L. & CONSTANCE J. CANOPY	TLE	---	---	---	549
86	BEN DASOVIC	TLE	---	---	---	513
87	BRENDA L. ISKER	TLE	---	---	---	459

TRANSPORTATION PROJECT PLAT NO: 8110-02-21 - 4.19

LOCATED IN PART OF LOT 1 OF C.S.M. 18-4705, LOT 1 OF C.S.M. 15-4242, LOT 1 C.S.M. 9-2561 AND LOTS 9, 26, 27, 28, 29, 30 AND 31 BLOCK 7 OF PLAT OF VILLAGE OF HOULTON; ALL LOCATED IN AND INCLUDING PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 27, TOWNSHIP 30 NORTH, RANGE 20 WEST, TOWN OF ST. JOSEPH, ST. CROIX COUNTY, WISCONSIN.

RELOCATION ORDER STH 64 STILLWATER-SOMERSET ST. CROIX RIVER BRIDGE (WI ABUTMENT) ST. CROIX COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

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REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN ST. CROIX COUNTY, AS SHEET 2 OF 2 OF DOCUMENT NO. 963270 OF TPP'S FOR ADDITIONAL INFORMATION.

1047235
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
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EXEMPT #
VOLUME: TPP1
PAGES: 148
PAGES: 1

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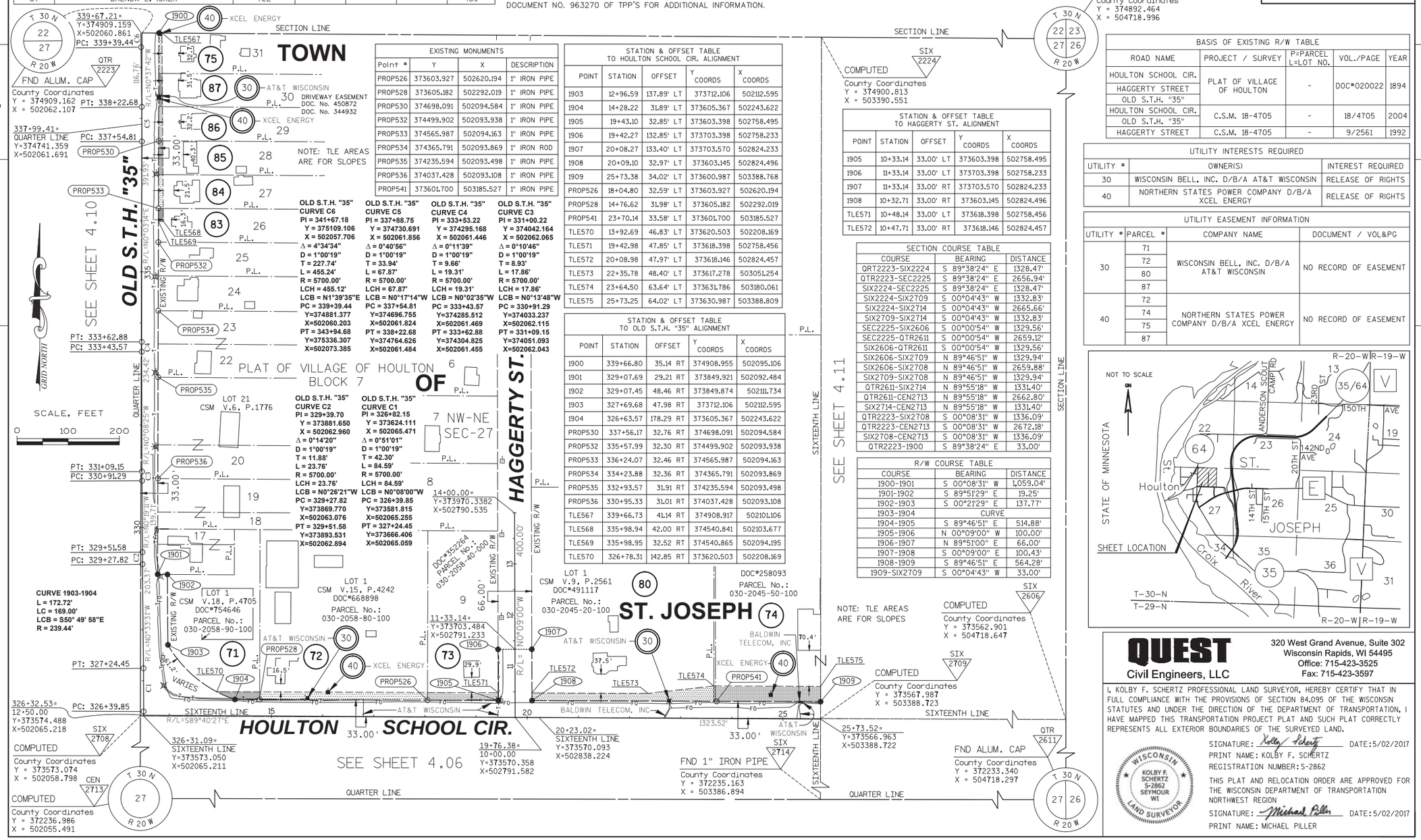
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8110-02-21-4.19
AMENDMENT NO:



EXISTING MONUMENTS			
Point #	Y	X	DESCRIPTION
PROP526	373603.927	502620.194	1" IRON PIPE
PROP528	373605.182	502292.019	1" IRON PIPE
PROP530	374698.091	502094.584	1" IRON PIPE
PROP532	374499.902	502093.938	1" IRON PIPE
PROP533	374565.987	502094.163	1" IRON PIPE
PROP534	374365.791	502093.869	1" IRON ROD
PROP535	374235.594	502093.498	1" IRON PIPE
PROP536	374037.428	502093.108	1" IRON PIPE
PROP541	373601.700	503185.527	1" IRON PIPE

STATION & OFFSET TABLE TO HOULTON SCHOOL CIR. ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
1903	12+96.59	137.89' LT	373712.106	502112.595
1904	14+28.22	31.89' LT	373605.367	502243.622
1905	19+43.10	32.85' LT	373603.398	502758.495
1906	19+42.27	132.85' LT	373703.398	502758.233
1907	20+08.27	133.40' LT	373703.570	502824.233
1908	20+09.10	32.97' LT	373603.145	502824.496
1909	25+73.38	34.02' LT	373600.987	503388.768
PROP526	18+04.80	32.59' LT	373603.927	502620.194
PROP528	14+76.62	31.98' LT	373605.182	502292.019
PROP541	23+70.14	33.58' LT	373601.700	503185.527
TLE570	13+92.69	46.83' LT	373620.503	502208.169
TLE571	19+42.98	47.85' LT	373618.398	502758.456
TLE572	20+08.98	47.97' LT	373618.146	502824.457
TLE573	22+35.78	48.40' LT	373617.278	503051.254
TLE574	23+64.50	63.64' LT	373631.786	503180.061
TLE575	25+73.25	64.02' LT	373630.987	503388.809

STATION & OFFSET TABLE TO HAGGERTY ST. ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
1905	10+33.14	33.00' LT	373603.398	502758.495
1906	11+33.14	33.00' LT	373703.398	502758.233
1907	11+33.14	33.00' RT	373703.570	502824.233
1908	10+32.71	33.00' RT	373603.145	502824.496
TLE571	10+48.14	33.00' LT	373618.398	502758.456
TLE572	10+47.71	33.00' RT	373618.146	502824.457

SECTION COURSE TABLE		
COURSE	BEARING	DISTANCE
QRT2223-SIX2224	S 89°38'24" E	1328.47'
QTR2223-SEC2225	S 89°38'24" E	2656.94'
SIX2224-SEC2225	S 89°38'24" E	1328.47'
SIX2224-SIX2709	S 00°04'43" W	1332.83'
SIX2224-SIX2714	S 00°04'43" W	2665.66'
SIX2709-SIX2714	S 00°04'43" W	1332.83'
SEC2225-SIX2606	S 00°00'54" W	1329.56'
SEC2225-QTR2611	S 00°00'54" W	2659.12'
SIX2606-QTR2611	S 00°00'54" W	1329.56'
SIX2606-SIX2709	N 89°46'51" W	1329.94'
SIX2606-SIX2708	N 89°46'51" W	2659.88'
SIX2709-SIX2708	N 89°46'51" W	1329.94'
QTR2611-SIX2714	N 89°55'18" W	1331.40'
QTR2611-CEN2713	N 89°55'18" W	2662.80'
SIX2714-CEN2713	N 89°55'18" W	1331.40'
QTR2223-SIX2708	S 00°08'31" W	1336.09'
QTR2223-CEN2713	S 00°08'31" W	2672.18'
SIX2708-CEN2713	S 00°08'31" W	1336.09'
QTR2223-1900	S 89°38'24" E	33.00'

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
1900-1901	S 00°08'31" W	1,059.04'
1901-1902	S 89°51'29" E	19.25'
1902-1903	S 00°21'29" E	137.77'
1903-1904	CURVE	
1904-1905	S 89°46'51" E	514.88'
1905-1906	N 00°09'00" W	100.00'
1906-1907	N 89°51'00" E	66.00'
1907-1908	S 00°09'00" E	100.43'
1908-1909	S 89°46'51" E	564.28'
1909-SIX2709	S 00°04'43" W	33.00'

BASIS OF EXISTING R/W TABLE				
ROAD NAME	PROJECT / SURVEY	P=PARCEL L=LOT NO.	VOL./PAGE	YEAR
HOULTON SCHOOL CIR.	PLAT OF VILLAGE OF HOULTON	-	DOC#020022	1894
HAGGERTY STREET				
OLD S.T.H. "35"				
HOULTON SCHOOL CIR.	C.S.M. 18-4705	-	18/4705	2004
OLD S.T.H. "35"				
HAGGERTY STREET	C.S.M. 18-4705	-	9/2561	1992

UTILITY INTERESTS REQUIRED		
UTILITY #	OWNER(S)	INTEREST REQUIRED
30	WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN	RELEASE OF RIGHTS
40	NORTHERN STATES POWER COMPANY D/B/A XCEL ENERGY	RELEASE OF RIGHTS

UTILITY EASEMENT INFORMATION			
UTILITY #	PARCEL #	COMPANY NAME	DOCUMENT / VOL&PG
30	71	WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN	NO RECORD OF EASEMENT
	72		
	80		
	87		
40	72	NORTHERN STATES POWER COMPANY D/B/A/A XCEL ENERGY	NO RECORD OF EASEMENT
	74		
	75		
	87		

QUEST
Civil Engineers, LLC

320 West Grand Avenue, Suite 302
Wisconsin Rapids, WI 54495
Office: 715-423-3525
Fax: 715-423-3597

I, KOLBY F. SCHERTZ PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

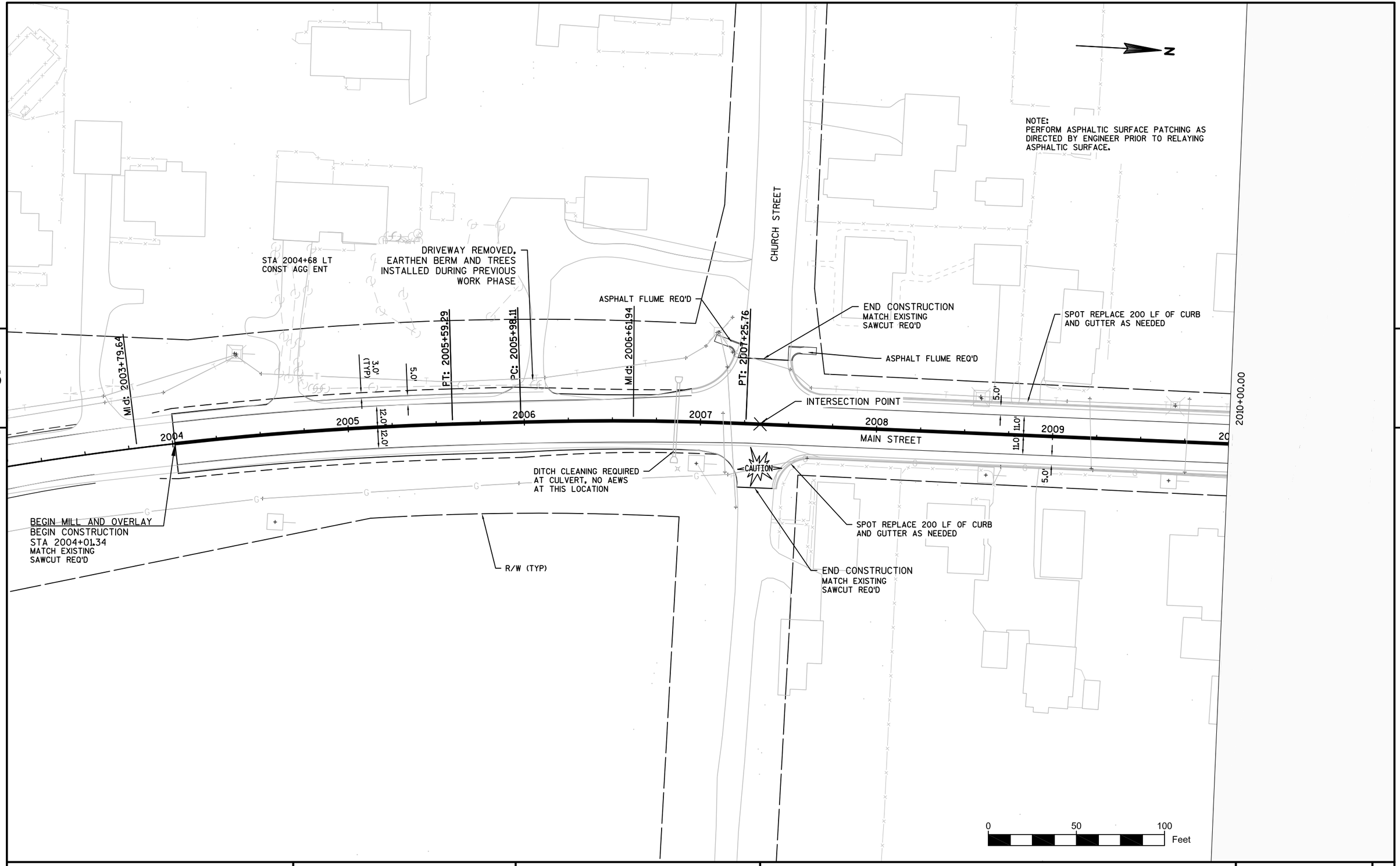
SIGNATURE: _____ DATE:5/02/2017
PRINT NAME: KOLBY F. SCHERTZ
REGISTRATION NUMBER:S-2862

KOLBY F. SCHERTZ S-2862 SEYMOUR WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHWEST REGION

SIGNATURE: _____ DATE:5/02/2017
PRINT NAME: MICHAEL PILLER

FILE NAME : $$....designfile....$$
APPRAISAL PLAT DATE :
PLOT DATE : 5/02/2017 PLOT BY : KFS PLOT NAME : 4.19 PLOT SCALE : 1" = 200'



5

5

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN: MAIN STREET	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050101_PP_MAIN STREET.DWG
LAYOUT NAME - MAIN ST 1

PLOT DATE : 1/10/2018 11:39 AM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

N

NOTE:
PERFORM ASPHALTIC SURFACE PATCHING AS DIRECTED BY ENGINEER PRIOR TO RELAYING ASPHALTIC SURFACE.

SPOT REPLACE 200 LF OF CURB AND GUTTER AS NEEDED

PI: 2011+88.18

STA 2015+37.93 MAIN STREET =
STA 500+02.00 HOULTON SCHOOL CIRCLE

5.0'
11.0'
11.0'
5.0'

10 2011 2012 2013 2014 2015

MAIN STREET

2010+00.00

SPOT REPLACE 200 LF OF CURB AND GUTTER AS NEEDED

R/W (TYP)

5+00

12'
12'
2'

PI: 5+42.36

HOULTON SCHOOL CIRCLE

6+00

SHARED-USE PATH

SAWCUT REQ'D AROUND ISLAND

CONCRETE CURB & GUTTER 30-INCH TYPE D

PI: 2015+37.93

EP: 7+24.15

BP: 500+00.00

2016+00.00

STA 2015+46.57 MAIN STREET =
STA 7+24.15 STATE STREET

SAWCUT REQ'D

ASPHALTIC FLUME REQ'D

EXISTING CMP TO BE REPLACED WITH 75 FT OF 24-INCH CLASS III-A NON-METAL CULVERT AEWS (2) REQUIRED INV = 870.000

CAUTION

501+00
501+50
502+00

HOULTON SCHOOL CIRCLE

SHARED-USE PATH

0 50 100 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN: MAIN STREET	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050101_PP_MAIN STREET.DWG
LAYOUT NAME - MAIN ST 2

PLOT DATE : 1/10/2018 11:37 AM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

N

NOTE:
PERFORM ASPHALTIC SURFACE PATCHING AS DIRECTED BY ENGINEER PRIOR TO RELAYING ASPHALTIC SURFACE.

STA 2015+92.41 LT
CONSTRUCT AGG ENTRANCE W/ASPH APRON TO SHARED USE PATH

STA 2017+75 LT
CONST ASPH ENT
SAWCUT REQ'D

REPLACE CULVERT WITH 62 FT LONG 24-INCH NON-METAL CULVERT. AEWS (2) REQ'D

STA 2020+25 LT
CONST GRAVEL ENT W/ASPH APRON TO SHARED USE PATH

10-FT WIDE SHARED USE PATH

PI: 2018+69.91

SHARED-USE PATH

10.0'

7.0'

11.0'

11.0'

2016+00.00

2022+00.00

2016 2017 2018 2019 2020 2021 20

SAWCUT EXCESS PAVED SHOULDER AND REMOVE

CAUTION

MAIN STREET

STA 2017+36.31 RT
CONST ASPH ENT
SAWCUT REQ'D

REPLACE CURB & GUTTER AND DRIVEWAY APRON

R/W (TYP)

EXISTING CURB & GUTTER TO REMAIN

GUY

ELECTRICAL SERVICE BY XCEL ENERGY

0 50 100 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN: MAIN STREET	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050101_PP_MAIN STREET.DWG
LAYOUT NAME - MAIN ST 3

PLOT DATE : 1/13/2018 4:11 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

N

SEE PLAN "HILLTOP DRIVE" FOR CULVERT DETAILS

SEE PLAN "BICYCLE PATH OLI STH 64" FOR CULVERT DETAILS

HILLTOP DRIVE

1205+00

1206+00

HILLTOP PARKING LOT

SHARED-USE PATH 1082

PI: 2024+59.19

TRANSITION BACK TO EXISTING SHOULDER

SEE SHEET "STORM SEWER: HILLTOP PARKING AREA" FOR DETAILS

NEW INLET AND CULVERT
STA 2027+44.70
INV. OUT = 858.31
GRADE TO DRAIN FROM EXISTING PIPE OUTLET TO OUTLYING DRAINAGE BYPASS SWALE

SS RCP, CL III, 15-INCH
53-FEET LONG
1 AEW REQ'D

10-FT WIDE SHARED USE PATH

STA 2024+58.88 MAIN ST =
STA 1082.73.52 SHARED USE PATH

SHARED-USE PATH

10.0

PI: 2025+52.41

SAWCUT REQ'D

3.0'

5.0'

11.0'

11.0'

11.0'

14.0'

2022+00.00

22

2023

2024

2025

2026

2027

2028

MAIN STREET

1082+73.52, 0.00'

2024+58.88, 0.00'

CAUTION

R/W (TYP)

STORM SEWER OUTFALL TO BE REPLACED
INV OUT = 858.88
GRADE TO DRAIN FROM EXISTING PIPE OUTLET TO OUTLYING DRAINAGE BYPASS SWALE

APRON ENDWALLS FOR SS CRP CLIII, 18-INCH
STA 1082+44, 36' L

CONCRETE CURB & GUTTER 30-INCH TYPE D

END MILL AND OVERLAY
BEGIN RECONSTRUCTION
STA 2027+44.71
SAWCUT REQ'D

CONCRETE CURB & GUTTER 30-INCH TYPE D

SAWCUT EXCESS PAVED SHOULDER AND REMOVE

EXISTING CURB & GUTTER TO REMAIN

ELECTRICAL SERVICE PROVIDED BY XCEL ENERGY

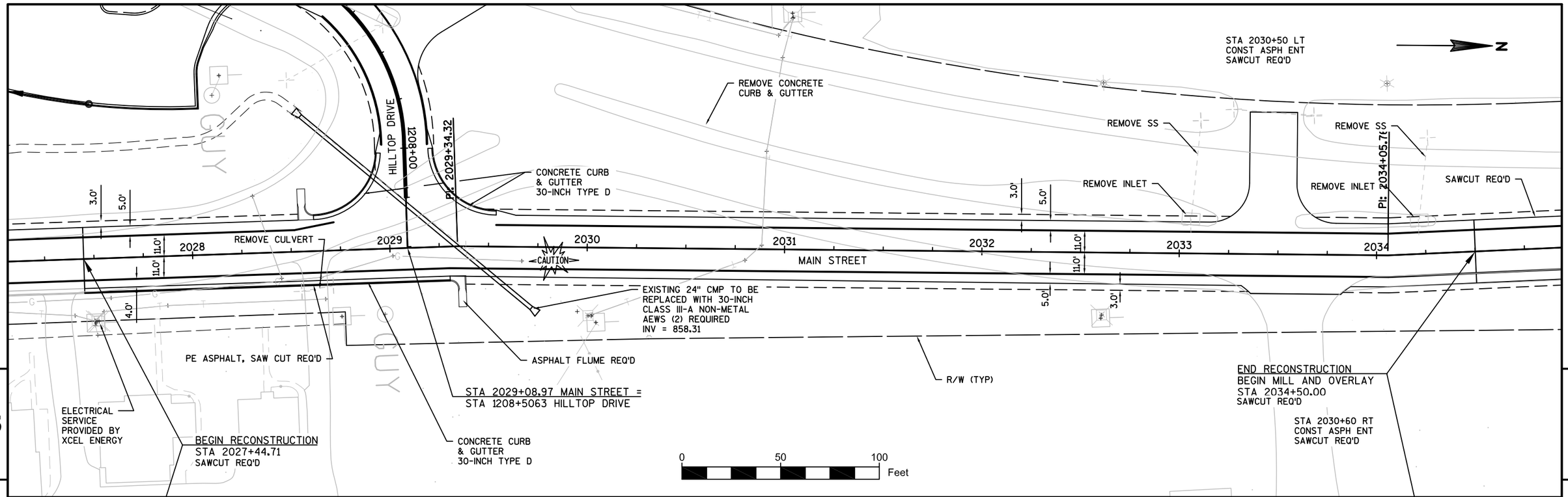
NOTE:
PERFORM ASPHALTIC SURFACE PATCHING AS DIRECTED BY ENGINEER PRIOR TO RELAYING ASPHALTIC SURFACE.

0 50 100 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN: MAIN STREET	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050101_PP_MAIN STREET.DWG
LAYOUT NAME - MAIN ST 4

PLOT DATE : 1/16/2018 11:13 AM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: MAIN STREET	SHEET E

NOTE:
PERFORM ASPHALTIC SURFACE PATCHING AS DIRECTED BY ENGINEER PRIOR TO RELAYING ASPHALTIC SURFACE.

N

STA 2036+10 LT
CONST ASPH ENT
SAWCUT REQ'D

STA 2037+20 LT
CONST ASPH ENT
SAWCUT REQ'D

PI: 2034+05.76

SAWCUT REQ'D

SAWCUT REQ'D

SAWCUT REQ'D

3.0'

5.0'

11.0'

11.0'

2034 2035 2036 2037 2038 2039 20

2040+00.00

MAIN STREET

3.0'

5.0'

END RECONSTRUCTION
BEGIN MILL AND OVERLAY
STA 2034+50.00
SAWCUT REQ'D

ELECTRICAL SERVICE PROVIDED
BY XCEL ENERGY

STA 2036+10 RT
CONST ASPH ENT
SAWCUT REQ'D

STA 2037+65 RT
CONST ASPH ENT
SAWCUT REQ'D

STA 2039+25 RT
CONST ASPH ENT
SAWCUT REQ'D

STA 2039+80 RT
CONST ASPH ENT
SAWCUT REQ'D

0 50 100
Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN: MAIN STREET	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050101_PP_MAIN STREET.DWG
LAYOUT NAME - MAIN ST 6

PLOT DATE : 1/9/2018 2:46 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

N

NOTE:
PERFORM ASPHALTIC SURFACE PATCHING AS DIRECTED BY ENGINEER PRIOR TO RELAYING ASPHALTIC SURFACE.

STA 2040+25 LT
CONST ASPH ENT
SAWCUT REQ'D

STA 2040+75 LT
CONST ASPH ENT
SAWCUT REQ'D

STA 2042+10 LT
CONST GRAVEL ENT

TAPER SAWCUT REQ'D BEGINNING OF TAPER STA 2044+74.77 END OF TAPER STA 2045+45.69

END CONSTRUCTION
END OF MILLING
SAWCUT REQ'D
STA 2045+00

ELECTRICAL SERVICE PROVIDED BY ST. CROIX ELECTRIC

PC: 2044+56.65

SAWCUT REQ'D

SAWCUT REQ'D

3.0'

5.0'

TRIANGLE DRIVE

2040+00.00

2040

2041

2042

2043

2044

2045

2045+75.00

11.0'

11.0'

MAIN STREET

CAUTION

3.0'

5.0'

ELECTRICAL SERVICE PROVIDED BY ST. CROIX ELECTRIC

ELECTRICAL SERVICE PROVIDED BY XCEL ENERGY

STA 2042+00 RT
CONST ASPH ENT
SAWCUT REQ'D

STA 2044+25 RT
CONST ASPH ENT
SAWCUT REQ'D

STA 2045+50 RT
CONST ASPH ENT
SAWCUT REQ'D

0 50 100 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN: MAIN STREET	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050101_PP_MAIN STREET.DWG
LAYOUT NAME - MAIN ST 7

PLOT DATE : 1/9/2018 2:52 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

5

5

NOTE:
PERFORM ASPHALTIC SURFACE PATCHING AS DIRECTED BY ENGINEER PRIOR TO RELAYING ASPHALTIC SURFACE.

N

PI: 5+42.35

6+00

STA 4+64 LT
CONST GRAVEL ENT

5+00

STA 3+85 LT
CONST GRAVEL ENT

SEE MAIN STREET PLAN
AND PROFILE SHEETS

STA 4+56 RT
CONST GRAVEL ENT

4+00

3+00 HOULTON SCHOOL CIRCLE

STA 4+00 RT
CONST GRAVEL ENT

STA 2+20 LT
CONST ASPH ENT
SAWCUT REQ'D

PI: 2+43.30

STA 3+40 RT
CONST GRAVEL ENT

BEGIN CONSTRUCTION
STA 0+71.34
MATCH EXISTING
SAWCUT REQ'D

Mid: 2+01.48

SAWCUT REQ'D

BP: 0+00.00

PC: 0+28.89

Mid: 0+53.38

PT: 0+77.88

PC: 0+99.50

2.0' (TYP)

Mid: 1+17.78

11.0'

PT: 1+36.07

2.0' (TYP)

PRC: 1+61.34

2+00

11.0'

R/W

ELECTRICAL SERVICE BY XCEL ENERGY

RAINBOW STREET

1+00

PC: 1+89.66

STA 1+58 RT
CONST GRAVEL ENT

EXISTING CULVERTS
TO REMAIN

STA 1+61.34 RAINBOW STREET =
STA 1+58.05 STATE STREET

2.0' (TYP)

11.0'

11.0'

1+00

1107+00

1106+00

CTH E (TO BE REMOVED)

TLE

TLE

STA 1107+50
INSTALL SALVAGED
BEAM GUARD, EXTEND
OVER DITCHES ON BOTH
SIDES OF ROADWAY

BEGIN CONSTRUCTION
STA 0+77.12
MATCH EXISTING
SAWCUT REQ'D

STATE STREET

BP: 0+00.00

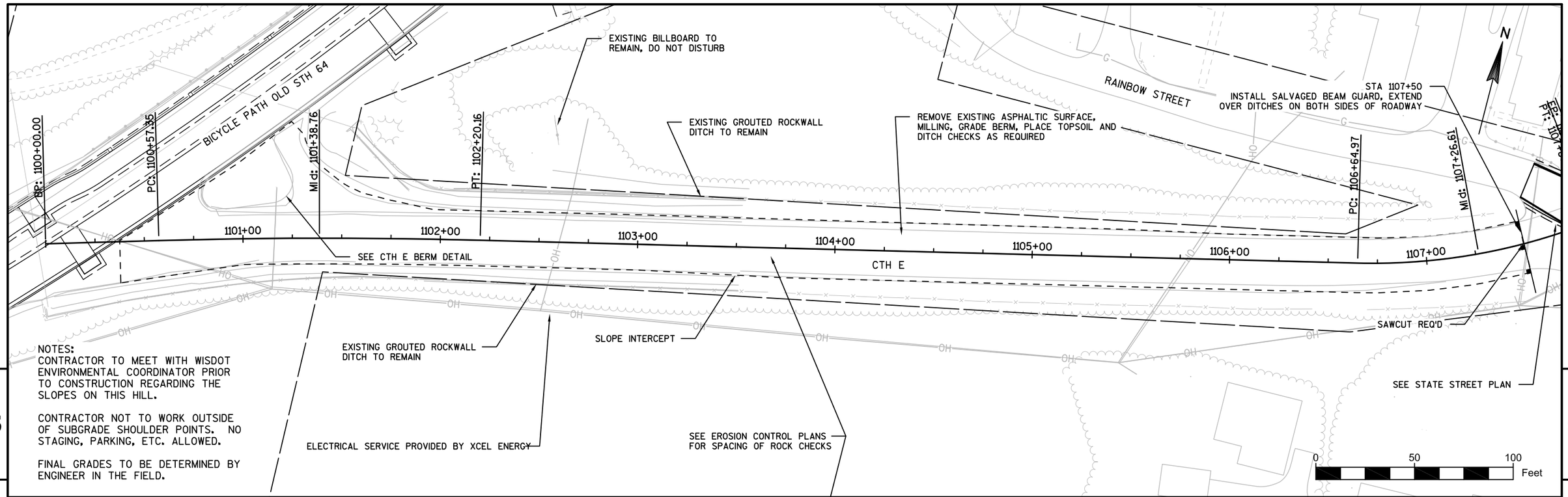
0 50 100 Feet

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN: STATE STREET/RAINBOW STREET	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050102_PP_ STATE ST.DWG
LAYOUT NAME - Plan_State-Rainbow_01

PLOT DATE : 1/10/2018 11:50 AM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

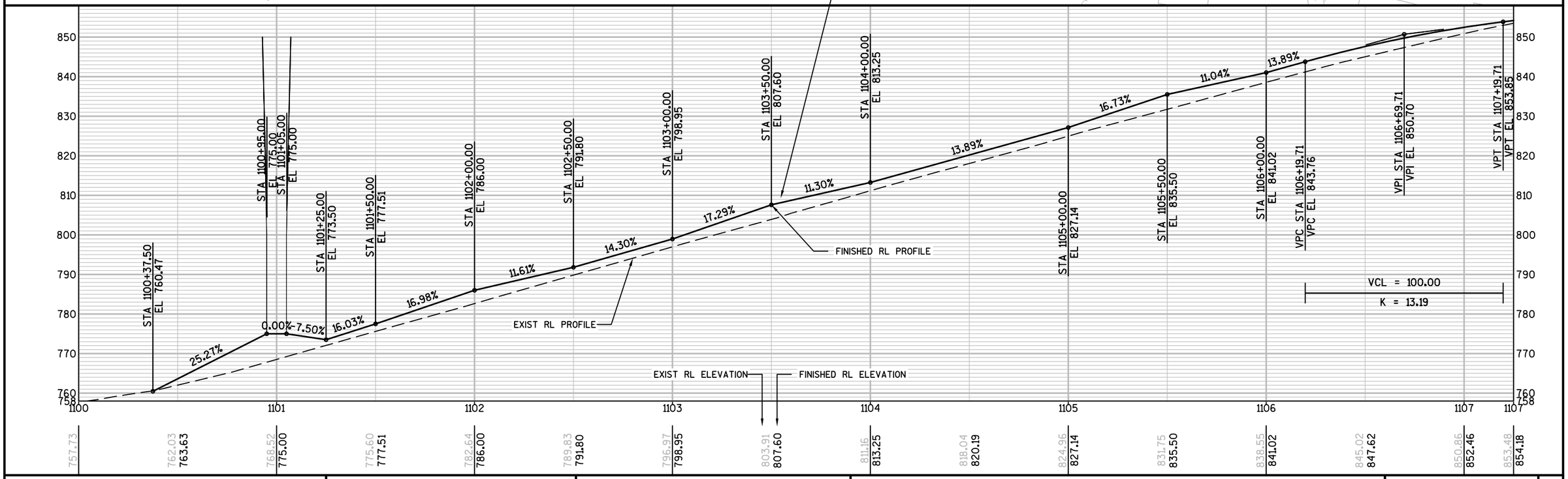
WISDOT/CADDS SHEET 44



NOTES:
CONTRACTOR TO MEET WITH WISDOT ENVIRONMENTAL COORDINATOR PRIOR TO CONSTRUCTION REGARDING THE SLOPES ON THIS HILL.

CONTRACTOR NOT TO WORK OUTSIDE OF SUBGRADE SHOULDER POINTS. NO STAGING, PARKING, ETC. ALLOWED.

FINAL GRADES TO BE DETERMINED BY ENGINEER IN THE FIELD.



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: CTH E	SHEET E

STA 500+02.00 HOULTON SCHOOL CIRCLE =
STA 2015+37.93 MAIN STREET

STA 501+67 LT
CONST ASPH ENT
SAWCUT REQ'D

STA 503+00 LT
CONST ASPH ENT
SAWCUT REQ'D

STA 505+06 LT
CONST ASPH ENT
SAWCUT REQ'D

NOTE:
FIELD LOCATE INTERPRETIVE PANELS WITH ENGINEER.

ROADSIDE CLEARING REQUIRED, NO REMOVAL OR TRIMMING WITHOUT APPROVAL OF ENGINEER. PROTECT TREES WITH SAFETY FENCE AS DIRECTED. STA 500+00 TO STA 515+00.

PERFORM ASPHALTIC SURFACE PATCHING AS DIRECTED BY ENGINEER PRIOR TO RELAYING ASPHALTIC SURFACE.

HAGGERTY STREET

BP: 500+00.00

SAWCUT REQ'D

SLOPE INTERCEPT (TYP)

TREE (TYP)

10-FT WIDE SHARED-USE PATH

R/W

TLE

DO NOT DISTURB PINE TREES.

DITCH HIGH POINT

10.0'

7.0'

SAWCUT REQ'D

502+00

504+00

506+00

11.0'

11.0'

HOULTON SCHOOL CIRCLE

2015+00

MAIN STREET

REMOVE EXISTING CULVERT PIPE

STA 501+45 RT
MATCH EXISTING ENT

GRADE DITCH TO DRAIN
MATCH STA 507+33, 76.3' LT
FIELD VERIFY EL = 880.00

MATCHLINE STA 507+50.00

STA 500+48.56
75 LF CULVERT PIPE CL III-A NON METAL 24-INCH
2-24" AEW'S REQ'D
INV UP (S)= 868.7
INV DN (N)= 867.8

ELECTRICAL SUPPLY PROVIDED BY XCEL ENERGY

BEGIN CONSTRUCTION
STA 500+29.23
MATCH EXISTING
SAWCUT RE'Q

N

0 50 100 Feet

5

5

885
880
875
870

STA 500+00.00
EL 871.94
STA 500+12.00
EL 871.70

2.00%

1.35%

STA 503+00.00
EL 875.60

1.47%

VPC STA 504+20.00
VPC EL 877.36

VPI STA 504+50.00
VPI EL 877.80

VPT STA 504+80.00
VPT EL 878.37

VCL = 60.00
K = 141.38

1.89%

STA 506+00.90
EL 880.65

PROPOSED ℄ PROFILE

1.63%

VPC STA 507+20.00
VPC EL 882.60

EXISTING ℄ PROFILE

VCL = 80.00
K = 44.83

EXISTING ℄ ELEVATION
PROPOSED ℄ ELEVATION

500+00	500+50	501+00	501+50	502+00	502+50	503+00	503+50	504+00	504+50	505+00	505+50	506+00	506+50	507+00	507+50
871.24	871.72	872.34	873.59	874.35	874.93	875.52	876.37	877.12	877.84	878.69	879.73				
871.94	872.21	872.89	873.57	874.25	874.92	875.60	876.33	877.07	877.83	878.75	879.69	880.64	881.45	882.27	882.99

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: HOULTON SCHOOL CIRCLE	SHEET E

NOTE:
FIELD LOCATE INTERPRETIVE PANELS WITH ENGINEER.

ROADSIDE CLEARING REQUIRED, NO REMOVAL OR TRIMMING WITHOUT APPROVAL OF ENGINEER. PROTECT TREES WITH SAFETY FENCE AS DIRECTED. STA 500+00 TO STA 515+00.

PERFORM ASPHALTIC SURFACE PATCHING AS DIRECTED BY ENGINEER PRIOR TO RELAYING ASPHALTIC SURFACE.

N

MATCHLINE STA 507+50.00

MATCHLINE STA 515+00.00

TLE

TREE (TYP)

DITCH HIGH POINT

STA 509+52 LT
CONST ASPH ENT
SAWCUT REQ'D

DITCH HIGH POINT

SAWCUT REQ'D

STA 511+85 LT
CONST ASPH ENT
SAWCUT REQ'D

R/W

67 LF CULVERT PIPE CORRUGATED STEEL 18-INCH
2-18" APRON ENDWALLS
INV IN (E) = 877.80
INV OUT (W) = 877.40
TOP ENT = 880.36 & 880.16

STA 513+50 LT
CONST ASPH ENT
SAWCUT
REQ'D

REMOVE EXISTING
CULVERT PIPE

MILL AND OVERLAY
FULL EXISTING
WIDTH 24.0'

PI: 507+70.33

10.0'

7.0'

11.0'

11.0'

508+00

510+00

512+00

514+00

PI: 511+98.29

HOULTON SCHOOL CIRCLE

ASPHALT FLUME REQ'D

ASPHALT FLUME REQ'D

0 50 100 Feet

ELECTRICAL SUPPLY
PROVIDED BY XCEL
ENERGY

50 LF CULVERT PIPE CORRUGATED STEEL 15-INCH
2-15" APRON ENDWALLS
INV IN (E) = 878.60
INV OUT (W) = 878.30
PIPE IS LOWER THAN DITCH GRADE
DITCH AT INVERT IN = 878.90
DITCH AT INVERT OUT = 878.60
TOP ENT = 880.76 & 880.43

END CONSTRUCTION
STA 514+02.14

HAWK STREET

STA 509+05 RT
MATCH EXISTING ENT

STA 511+35 RT
MATCH EXISTING ENT

5

5

890

885

880

875

874

VPI STA 507+60.00
VPI EL 883.25

VPT STA 508+00.00
VPT EL 883.19

VPC STA 509+71.80
VPC EL 882.93

VPI STA 510+01.80
VPI EL 882.88

VPT STA 510+31.80
VPT EL 882.66

VCL = 60.00
K = 112.42

STA 513+50.00
EL 881.08

VCL = 60.00
K = 3514.08

VPC STA 514+43.84
VPC EL 880.34

VPI STA 514+73.84
VPI EL 880.10

-0.15%

-0.75%

PROPOSED ℄ PROFILE

-0.21%

-0.79%

EXISTING ℄ PROFILE

VCL = 80.00
K = 44.83

VCL = 60.00
K = 100.82

VPC STA 511+70.00
VPC EL 881.62

VPI STA 512+00.00
VPI EL 881.40

VPT STA 512+30.00
VPT EL 881.34

EXISTING ℄ ELEVATION

PROPOSED ℄ ELEVATION

| | | |

NOTE:
PERFORM ASPHALTIC SURFACE PATCHING AS DIRECTED BY ENGINEER PRIOR TO RELAYING ASPHALTIC SURFACE.

STA 517+60 LT
MATCH EXISTING ENT

STA 519+33.69
END ASPHALTIC SURFACE MILLING
SAWCUT REQ'D
SEE MAIN TRAILHEAD DETAILS

56 LF -24" CPRC CL IV
2-24" ROP AEW
REMOVE EXISTING 24" CMP
INV IN (S) = 873.00
INV OUT (N) = 871.50
TRASHGUARDS REQ'D

24" WIDE BASE AGGREEGATE FIELD ENTRANCE
56 LF - 12" CPCP
2-15" STEEL AEWS
INV IN (S) = 874.00
INV OUT (N) = 872.35

PC: 519+56.32
MI dt: 519+78.95
PT: 520+01.58
PC: 520+10.49
MI dt 520+45.39
PT: 520+80.28
EP: 522+55.04

MATCHLINE STA 515+00.00

MILL AND OVERLAY
FULL EXISTING
WIDTH 24.0'

516+00
518+00
520+00
522+00

HOULTON SCHOOL CIRCLE

MAIN TRAILHEAD

ELECTRICAL SUPPLY
PROVIDED BY XCEL
ENERGY

MAIN TRAILHEAD
PARKING AREA

BORE
BORE
BORE

N

0 50 100 Feet

5

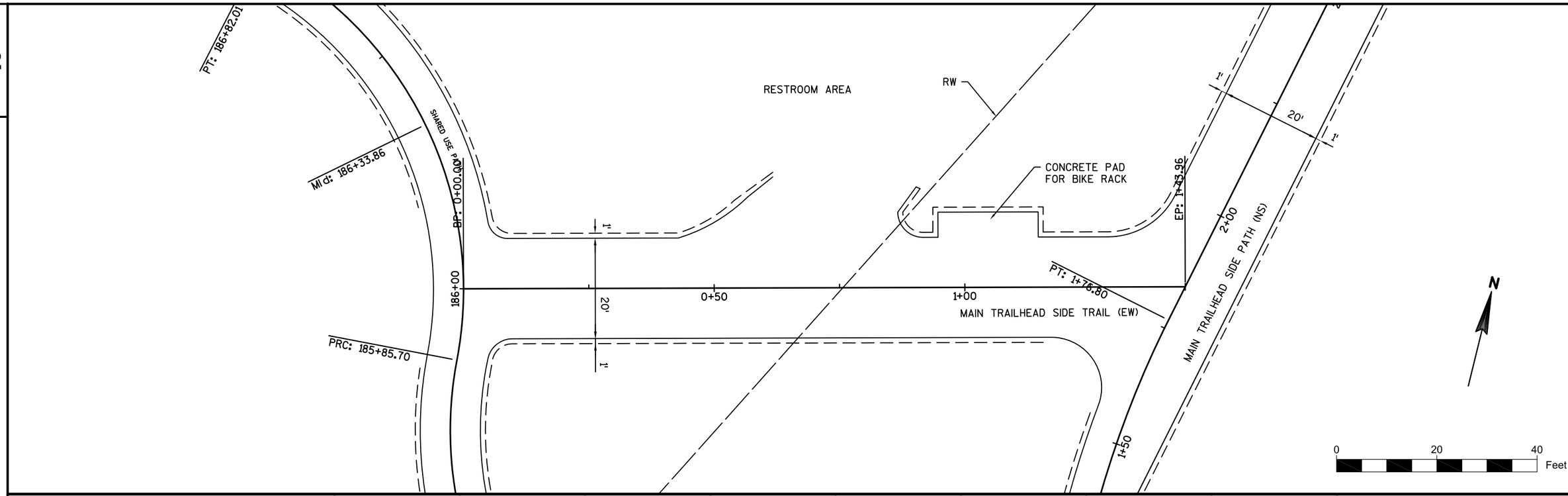
5

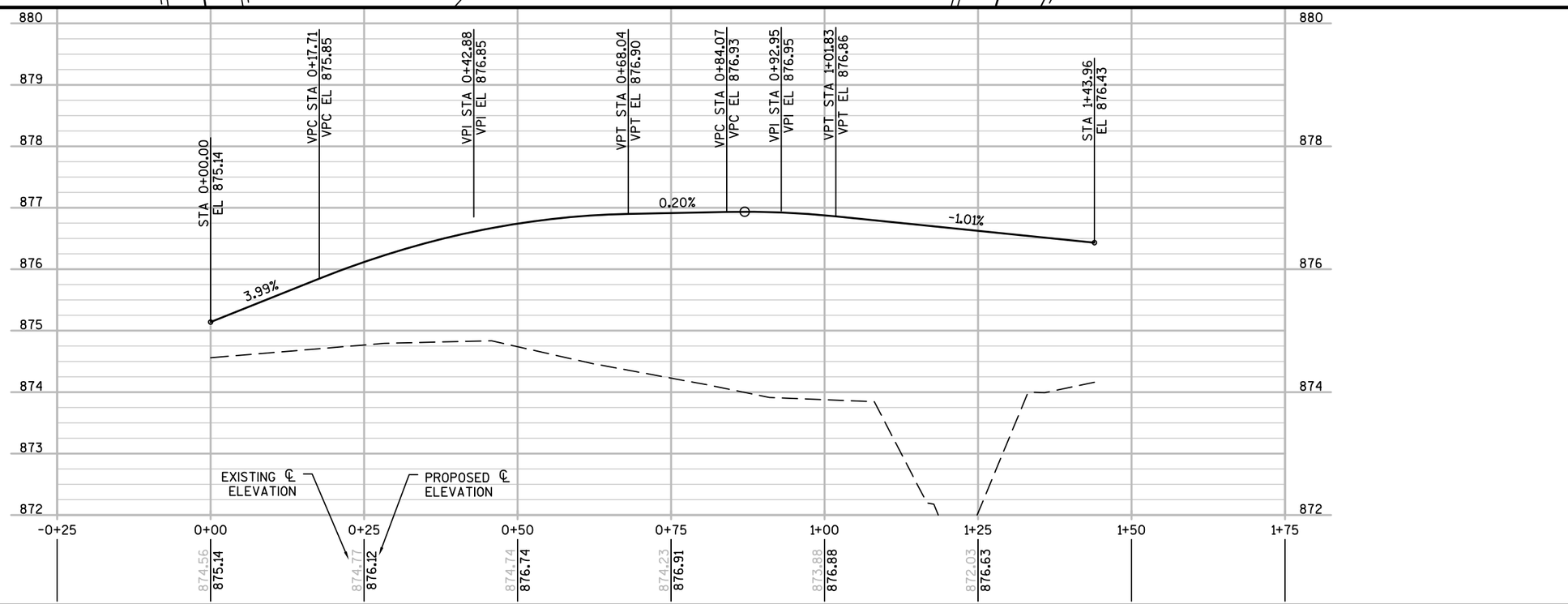
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN: HOULTON SCHOOL CIRCLE	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050104_PP_HOULTON SCHOOL CIRCLE.DWG
LAYOUT NAME - HOULTON 3

PLOT DATE : 1/14/2018 10:03 AM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

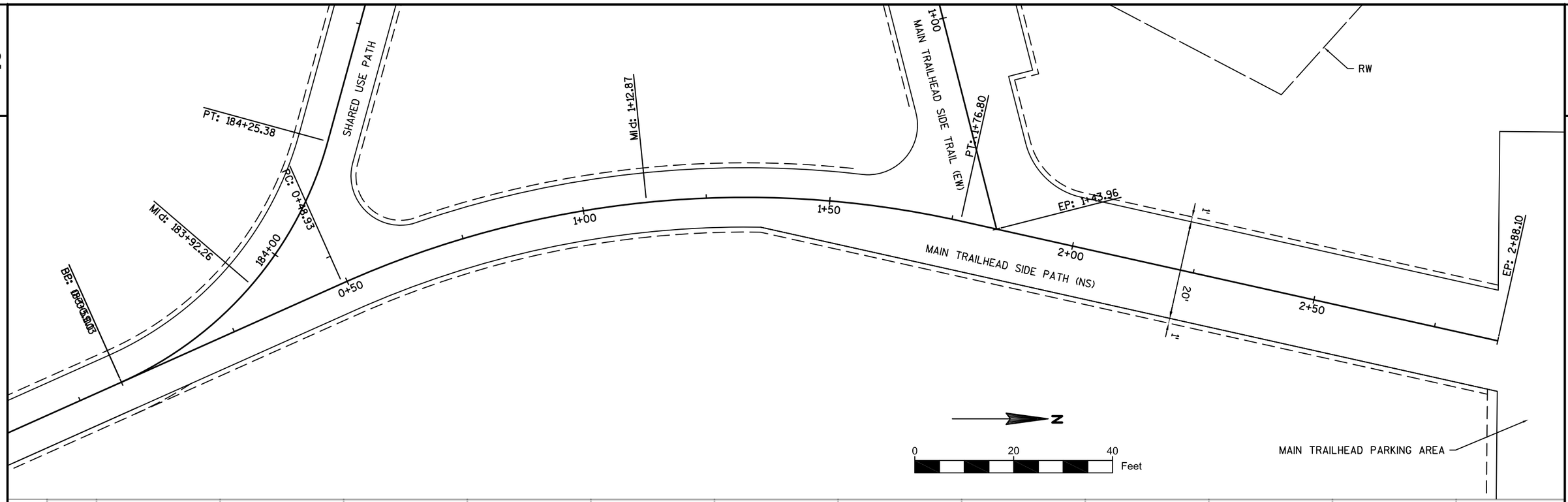
2

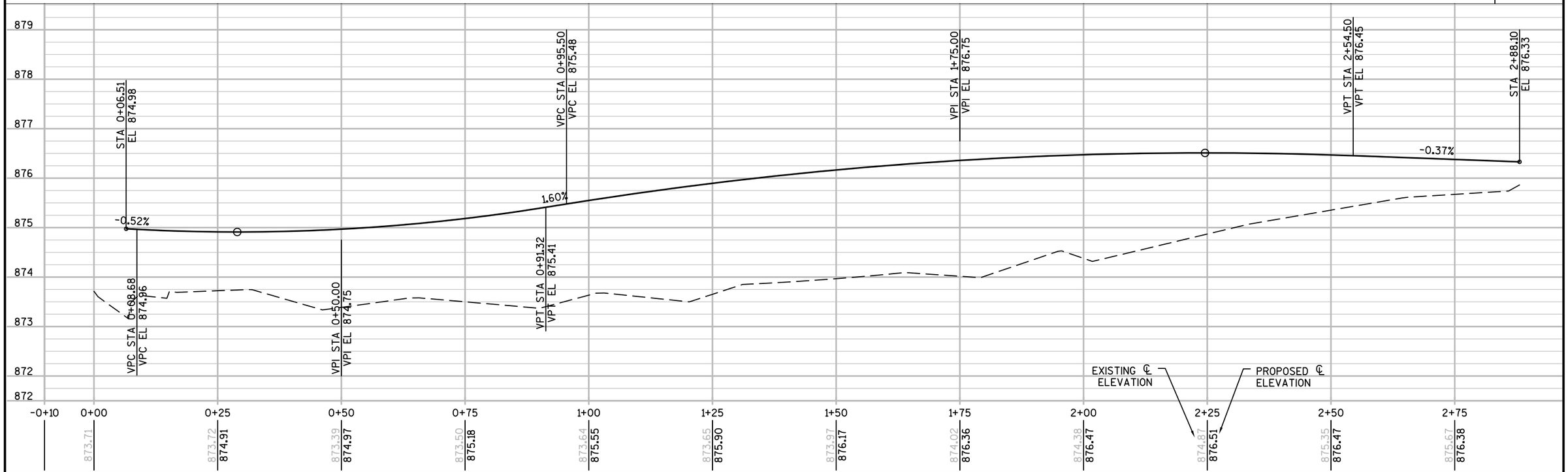




PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	PLAN AND PROFILE-MAIN TRAILHEAD SIDE PATH (EW)	SHEET E

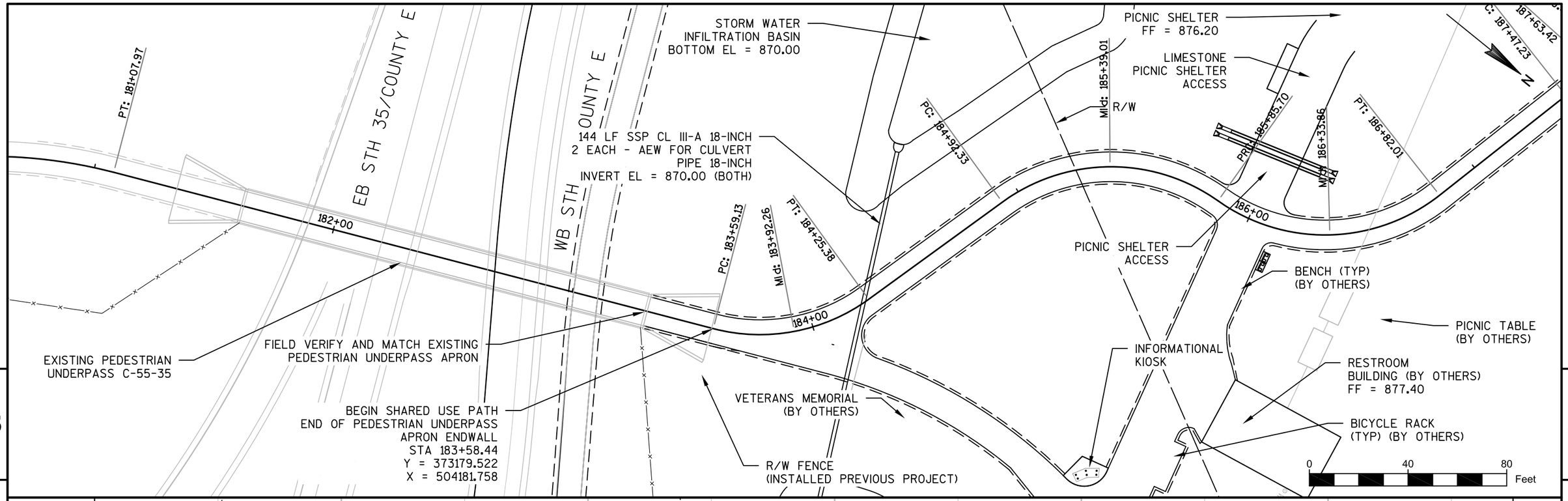
FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050113_PP_SIDE PATHS.DWG
LAYOUT NAME - 021101 - 021102_ID
PLOT DATE : 1/14/2018 10:38 AM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:20 FT



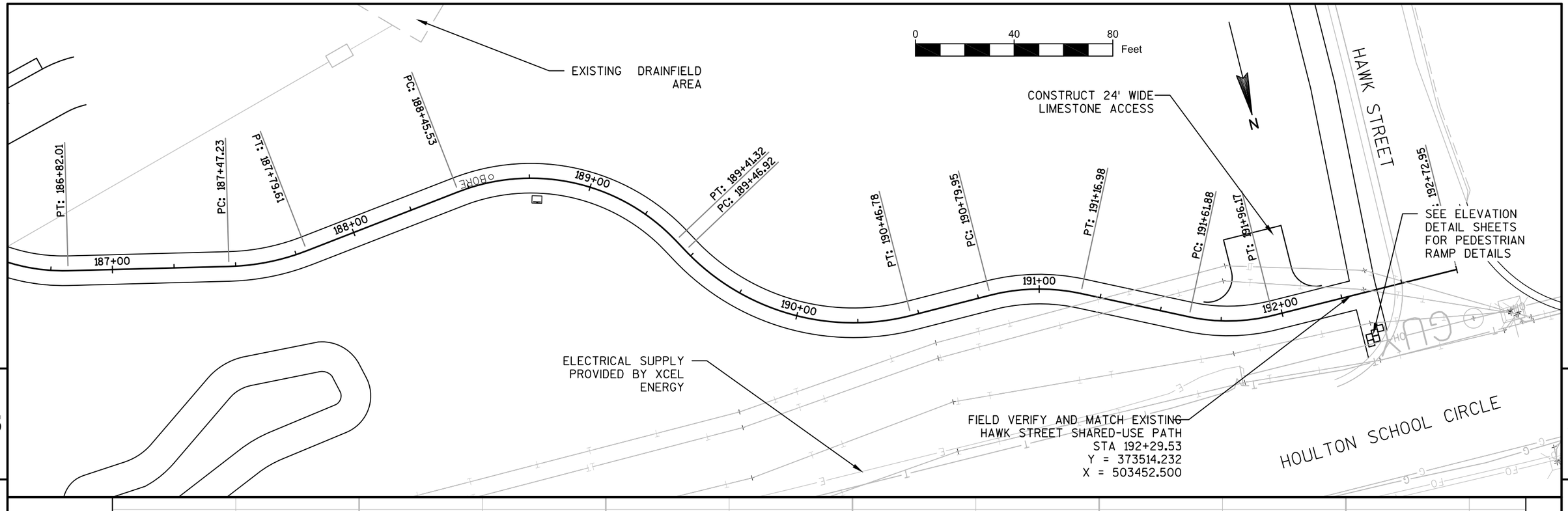


PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	PLAN AND PROFILE-MAIN TRAILHEAD SIDE PATH (NS)	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050113_PP_SIDE PATHS.DWG
LAYOUT NAME - 021101 - 021102_ID
PLOT DATE : 1/14/2018 10:39 AM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:20 FT



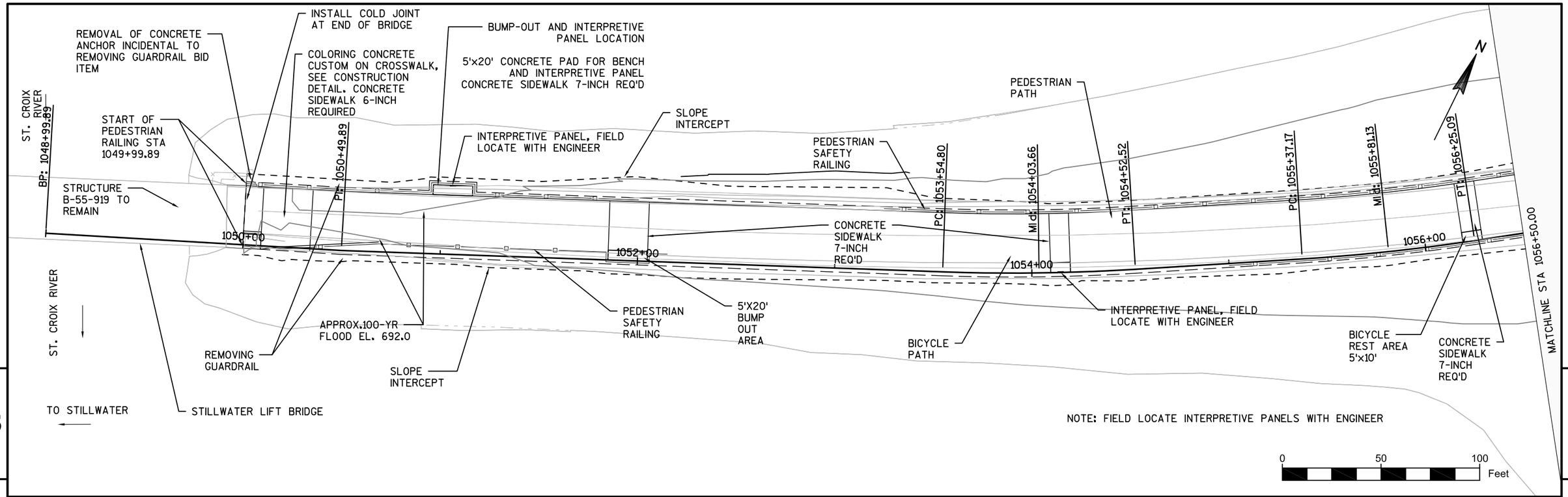
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: SHARED-USE PATH	SHEET E

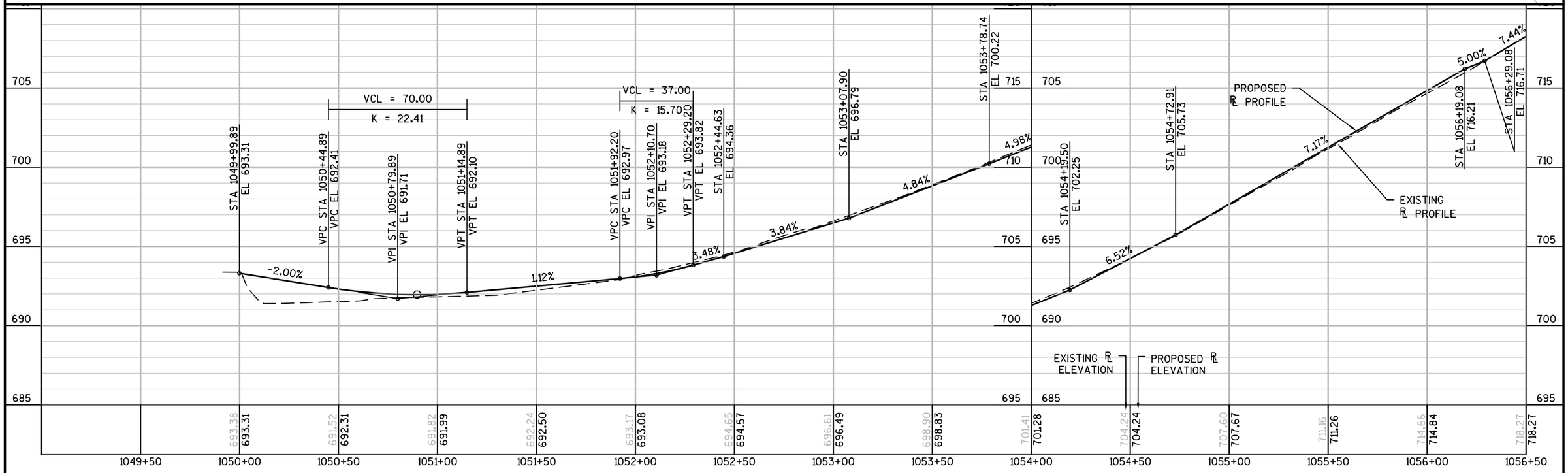


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: SHARED-USE PATH	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050107_PP_SHARED USE PATH.DWG
LAYOUT NAME - 05010 (2)

PLOT DATE : 1/14/2018 11:15 AM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: BICYCLE PATH OLD STH 64	SHEET E

NOTE: FIELD LOCATE INTERPRETIVE PANELS WITH ENGINEER

INTERPRETIVE PANEL, FIELD LOCATE WITH ENGINEER

PLAZA #1, CONCRETE SIDEWALK 7-INCH REQ'D. JOINTING NOT REQUIRED, SEE JOINT DETAILS: OLD STH 64 MULTI-USE PATH PLAZA I FOR JOINTING DETAILS

SLOPE INTERCEPT

INSTALL GATE, PEDESTRIAN RAILING, 10 FT

LANDSCAPE AREA

PEDESTRIAN SAFETY RAILING

LANDSCAPE AREA

PEDESTRIAN REST AREA 5'X10'

DRAINAGE DITCH

REPLACE CULVERT IN KIND

REPLACE CULVERT IN KIND

REMOVING GUARDRAIL

PEDESTRIAN PATH

MATCHLINE STA 1056+50.00

PI: 1058+17.61

PC: 1059+00.07

MI d: 1059+21.19

FT: 1059+42.31

PI: 1060+71.14

RC: 1061+04.90

MI d: 1063+21.33

MATCHLINE STA 1064+00.00

CONCRETE SIDEWALK 7-INCH REQ'D

CONCRETE SIDEWALK 7-INCH REQ'D

1058+00

1060+00

1062+00

1064

BICYCLE PATH

REMOVING GUARDRAIL

BICYCLE REST AREA 5'x10'

6' WIDE SECTION OF ARTICULATING CONCRETE BLOCK REVETMENT OPEN CELL OVER FILTER FABRIC, TOPSOIL AND SEED.

GATE CHAIN LINK 6-FT, 26 FT LONG

EAST POST OF GATE. PROVIDE 3.5' OPENING IN FENCE FOR PEDESTRIAN ACCESS BEFORE START OF EAST END OF CHAIN LINK FENCE

FENCE CHAIN LINK 6-FT, 6.5 FT FROM BACK OF CURB (TYP)

BICYCLE REST AREA 5'x10'

SLOPE INTERCEPT

BICYCLE REST AREA 5'x10'

1101+00

OLD CTH E

1102+00

KOLLIER PARK DRIVEWAY

R/W

ELECTRICAL SUPPLY PROVIDED BY XCEL ENERGY

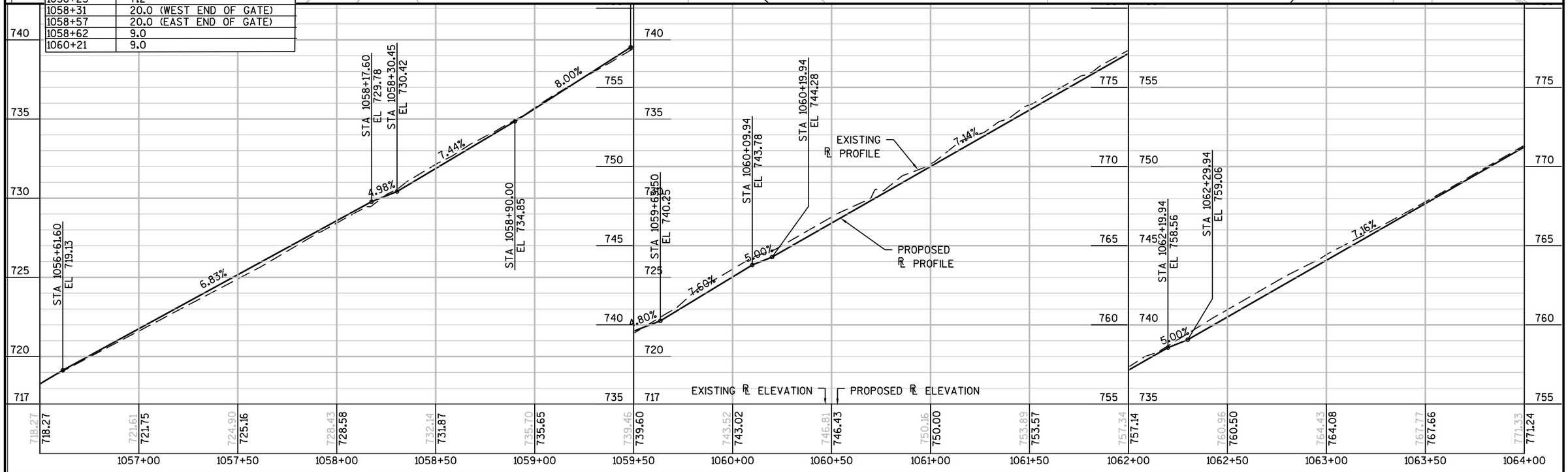
DRAINAGE DITCH

BERM TO SEPARATE PATH USERS FROM CTH E CORRIDOR

DRAINAGE DITCH

0 50 100 Feet

FENCE CHAIN LINK AND GATE CHAIN LINK AT/NEAR KOLLINER PARK DRIVEWAY	
STA	OFFSET
1057+98	2.0
1057+98	7.0
1058+25	7.2
1058+31	20.0 (WEST END OF GATE)
1058+57	20.0 (EAST END OF GATE)
1058+62	9.0
1060+21	9.0



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: BICYCLE PATH OLD STH 64	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050108_PP_STH 64 BIKE-PED PATH.DWG
LAYOUT NAME - 05010 - (7)
PLOT DATE : 1/15/2018 3:40 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT

PLAZA *2, CONCRETE SIDEWALK 7-INCH REQ'D. JOINTING NOT REQUIRED, SEE JOINT DETAILS: OLD STH 64 MULTI-USE PATH PLAZA II FOR JOINTING DETAILS

PEDESTRIAN REST AREA 5'x10'

INTERPRETIVE PANEL, FIELD LOCATE WITH ENGINEER

PC: 1065+42.33

LANDSCAPE AREA

SLOPE INTERCEPT

PEDESTRIAN PATH

PEDESTRIAN SAFETY RAILING

REMOVING GUARDRAIL

PC: 1067+27.84

ELECTRICAL SUPPLY PROVIDED BY XCEL ENERGY

PEDESTRIAN REST AREA 5'x10'

REPLACE CULVERT IN KIND

MId: 1069+75.38

PT: 1069+78.77

DRAINAGE DITCH

PEDESTRIAN REST AREA 5'x10'

MATCHLINE STA 1064+00.00

MATCHLINE STA 1071+50.00

PT: 1065+57.75

MId: 1066+34.71

PT: 1067+27.09

MId: 1067+88.95

PT: 1068+50.06

PC: 1069+71.99

1065

1070

+00

1066+00

1068+00

1070+00

CONCRETE SIDEWALK 7-INCH REQ'D

LANDSCAPE AREA

CONCRETE SIDEWALK 6-INCH

BICYCLE REST AREA 5'x10'

LIMESTONE WELCOME TO WISCONSIN ACCESS

WELCOME TO WISCONSIN SIGN

USE SDD "CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE"
2-80 LF CULVERT PIPE RCCP CL III 42-INCH
INV UP = 775.5 STA 1065+66.51
INV DN = 772.4 STA 1064+85.51

BICYCLE REST AREA 5'x10'

CONCRETE SIDEWALK 7-INCH REQ'D

BICYCLE PATH

SLOPE INTERCEPT

BICYCLE REST AREA 5'x10'

CONCRETE SIDEWALK 7-INCH REQ'D

CONCRETE SIDEWALK 7-INCH REQ'D

BICYCLE REST AREA 5'x10'

R/W

0 50 100 Feet

5

5

STA 1065+13.66
EL 780.00

STA 1065+35.55
EL 781.09

8.08%

4.98%

6.99%

STA 1067+29.59
EL 794.65

STA 1067+39.59
EL 795.15

5.00%

6.68%

PROPOSED ℄ PROFILE

EXISTING ℄ PROFILE

STA 1069+39.59
EL 808.52

STA 1069+49.59
EL 809.02

5.00%

6.97%

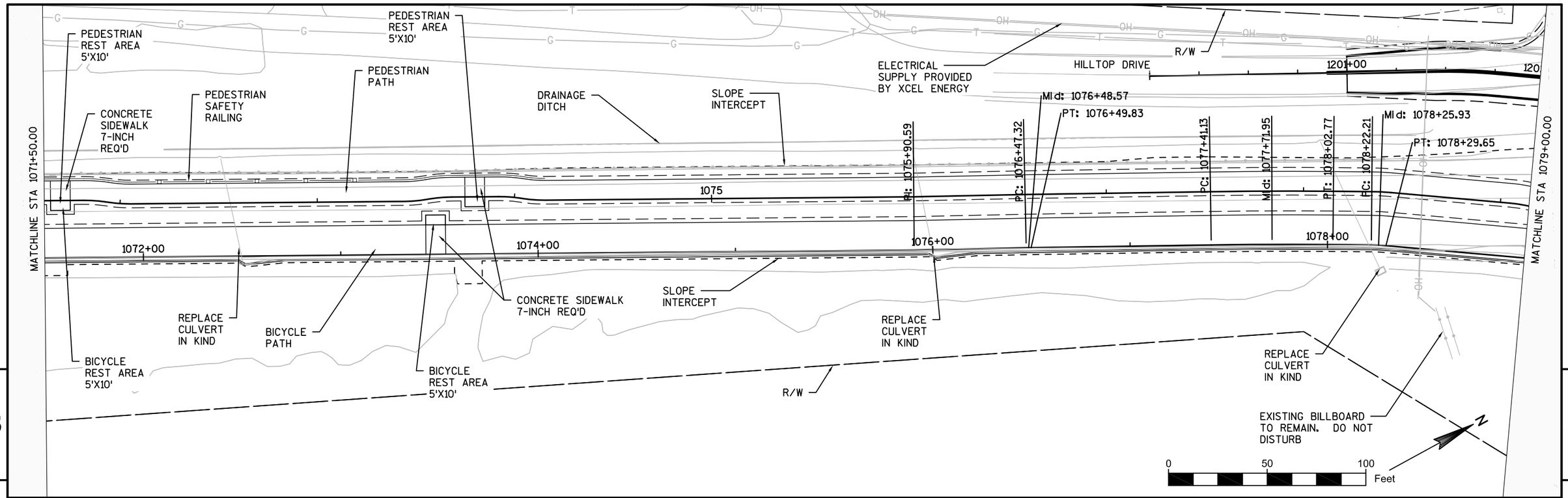
STA 1071+49.59
EL 822.95

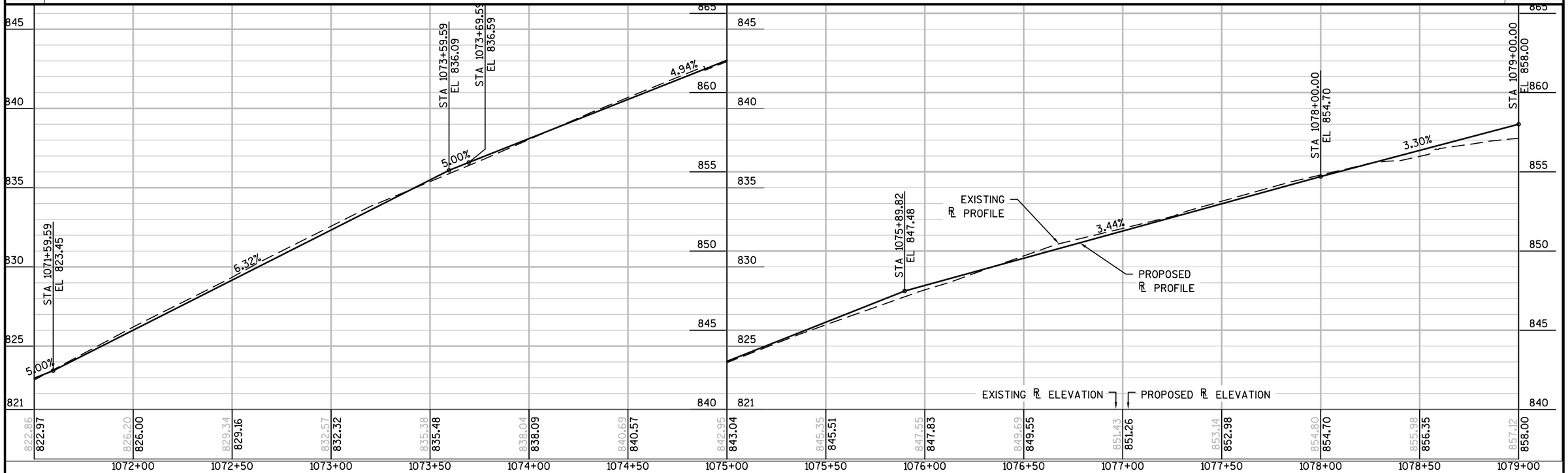
EXISTING ℄ ELEVATION

PROPOSED ℄ ELEVATION

1064+50	1065+00	1065+50	1066+00	1066+50	1067+00	1067+50	1068+00	1068+50	1069+00	1069+50	1070+00	1070+50	1071+00	1071+50
774.93	778.44	781.92	785.01	788.63	792.11	795.40	799.04	802.06	805.62	808.60	812.24	815.84	819.31	822.86
774.86	778.90	782.10	785.59	789.09	792.58	795.85	799.19	802.53	805.87	809.05	812.53	816.01	819.50	822.97

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: BICYCLE PATH OLD STH 64	SHEET E





PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: BICYCLE PATH OLD STH 64	SHEET E

SEE PLAN "HILLTOP DRIVE" FOR CULVERT DETAILS

HILLTOP PARKING LOT

1203+00

ELECTRICAL SUPPLY PROVIDED BY XCEL ENERGY

MATCHLINE STA 1079+00.00

2+00

PC: 1079+21.83

MH: 1079+94.13

1080

1080+00

PT: 1080+66.43

BICYCLE PATH

PEDESTRIAN PATH

INTERPRETIVE PANEL, FIELD LOCATE WITH ENGINEER

R/W

SHARED-USE PATH

37 LF - 15" HDPE CULVERT PIPE
2- STEEL AEWS REQ'D
INVERT IN (N) = 858.00
INVERT OUT (S) = 856.70

APRON ENDWALLS FOR CULVERT PIPE STEEL 15-INCH
STA 1080+65, 15.5 R
STA 1080+62, 21.4' L

PC: 1081+55.30

MH: 1081+69.87

PT: 1081+84.3

62 LF EACH (186 LF TOTAL) - 24" HDPE CULVERT PIPE
6 EACH - STEEL AEWS REQ'D
INVERT EL (N) = 857.02
INVERT EL (S) = 856.82
3 24" PIPES REQ'D TO AVOID PUTTING A TAILWATER ON THE UPSTREAM 24" CMP

APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH
STA 1081+33.19, 19.7 R
STA 1081+73, 37.0' L
STA 1081+44, 18.3' R
STA 1081+86, 37.0' L

1082+00

PI: 2024+59.19

FP: 2025

1082+73.52

2026

2024

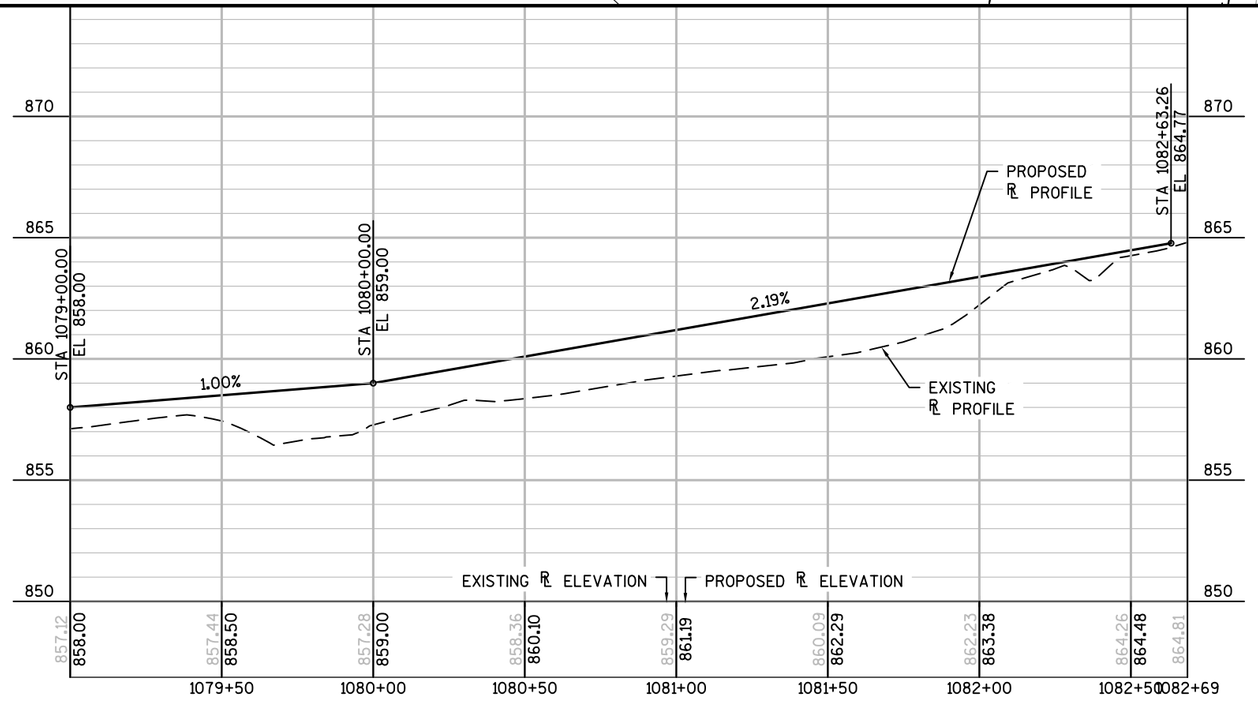
MAIN ST

N

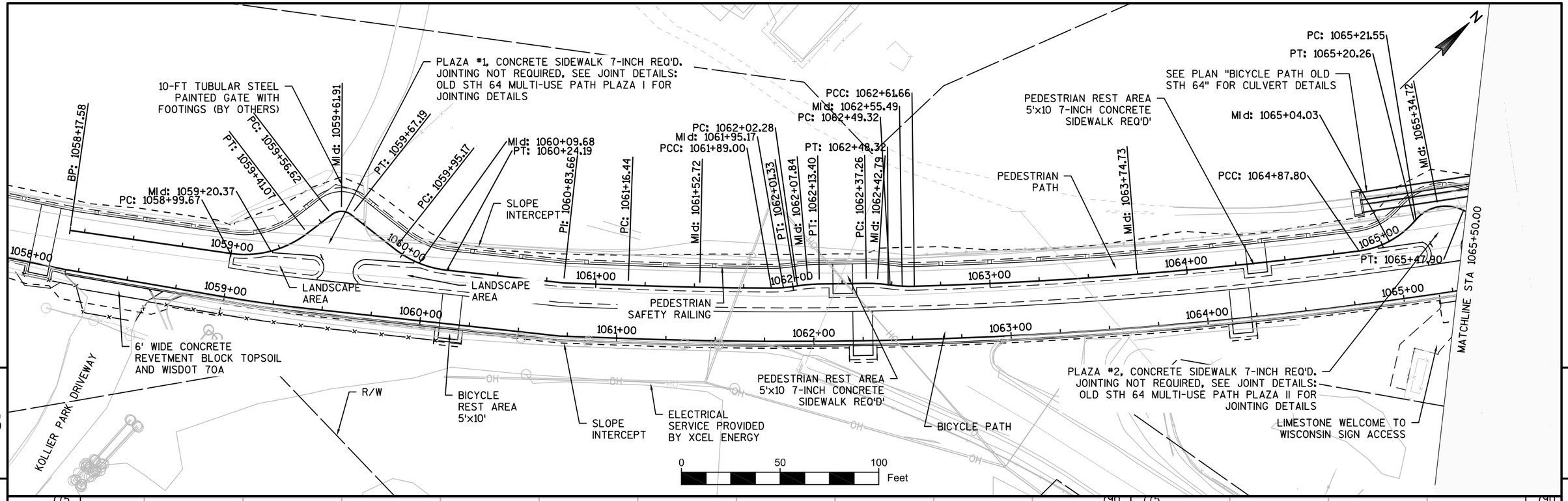
0 50 100 Feet

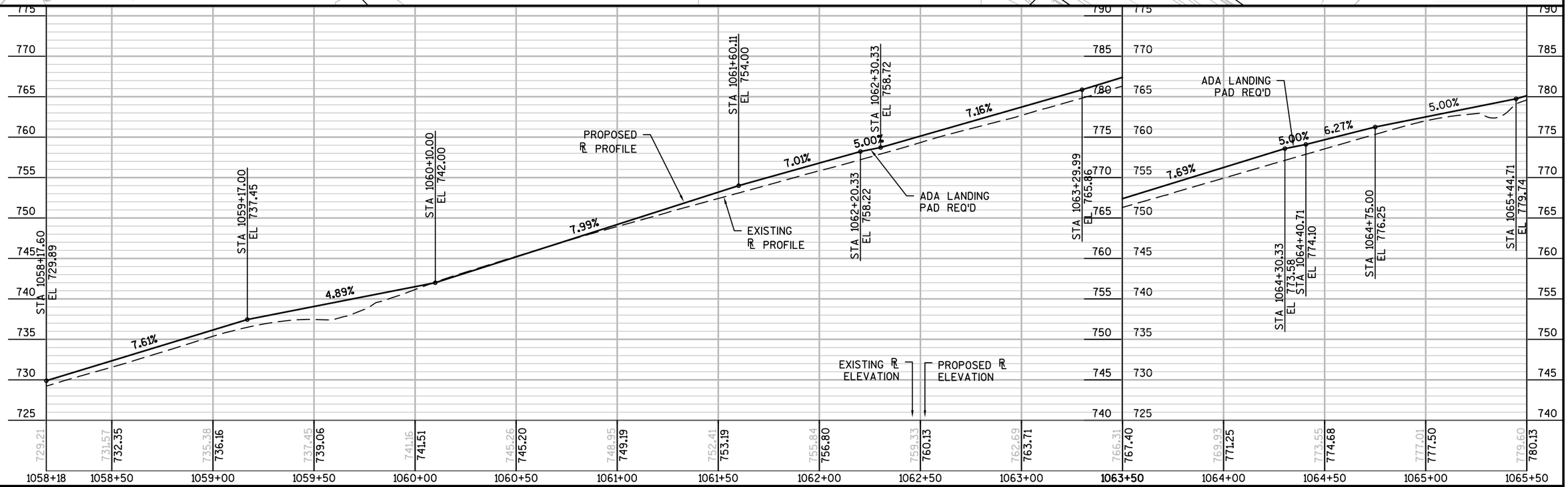
5

5



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: BICYCLE PATH OLD STH 64	SHEET	E





PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: PEDESTRIAN PATH OLD STH 64	SHEET E

MATCHLINE STA 1065+50.00

PC: 1065+55.33
MID: 1065+69.58
PCC: 1065+83.82
SLOPE INTERCEPT
MID: 1066+61.59
PC: 1067+40.10
PT: 1067+39.36
PEDESTRIAN REST AREA 5'x10' CONCRETE SIDEWALK 7-INCH REQ'D
MID: 1068+00.70
PEDESTRIAN SAFETY RAILING
PT: 1068+61.30
PC: 1069+36.45
PT: 1069+34.92
MID: 1069+29.37
PC: 1069+23.81
MID: 1069+42.00
PT: 1069+47.56
PC: 1069+71.45
MID: 1069+76.98
PT: 1069+82.51
PC: 1069+84.03
MID: 1069+89.61
PT: 1069+95.19
PEDESTRIAN PATH
PT: 1071+45.15
MID: 1071+39.59
PC: 1071+34.04
PC: 1071+46.68
MID: 1071+52.23
PT: 1071+57.78
PC: 1071+81.65
MID: 1071+87.21
PT: 1071+92.76
PC: 1071+94.29
MID: 1071+99.84
PT: 1072+05.39
ELECTRICAL SUPPLY PROVIDED BY XCEL ENERGY

1066+00 1067+00 1068+00 1069+00 1070+00 1071+00 1072+00 1073

PEDESTRIAN REST AREA 5'x10' CONCRETE SIDEWALK 7-INCH REQ'D

BICYCLE REST AREA 5'x10'
SLOPE INTERCEPT
BICYCLE REST AREA 5'x10'
BICYCLE PATH
BICYCLE REST AREA 5'x10'

MATCHLINE STA 1073+00.00

R/W

0 50 100 Feet

825 820 815 810 805 800 795 790 785 780

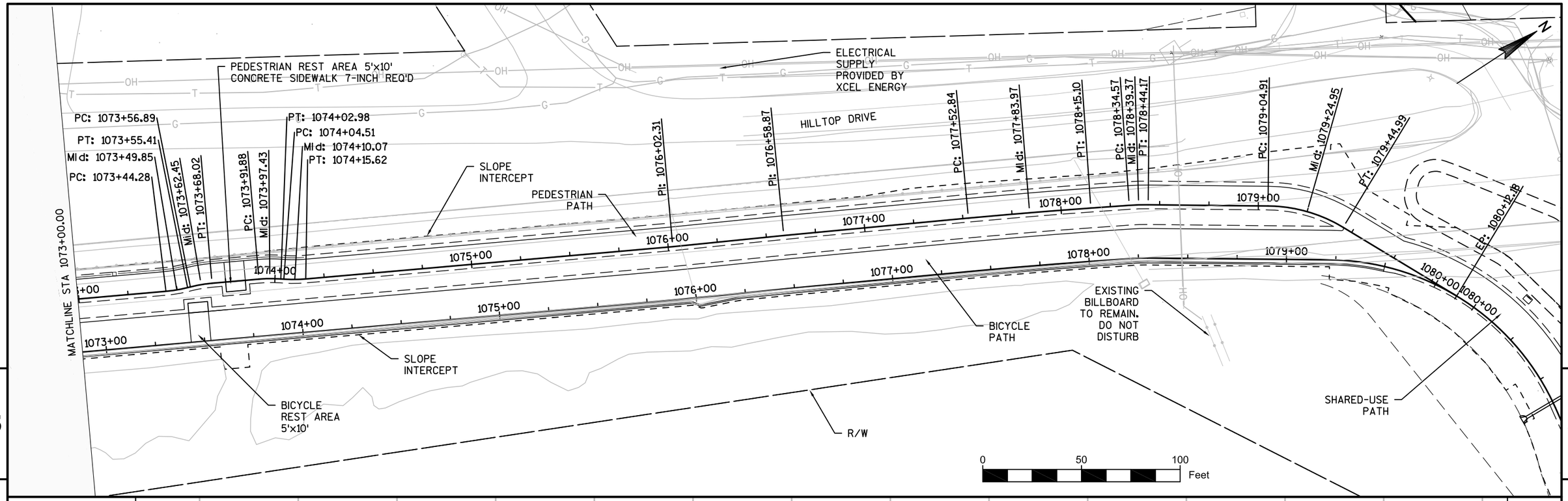
STA 1066+23.91 EL 785.60
STA 1067+44.71 EL 795.00
STA 1067+54.71 EL 795.50
STA 1068+01.76 EL 798.75
STA 1069+54.71 EL 809.27
STA 1069+65.00 EL 809.78
STA 1070+03.8 EL 812.36
STA 1071+65.00 EL 823.63

7.40% 7.78% 6.91% 6.88% 5.00% 6.64% 7.07% 6.32% 5.00%

PROPOSED ℄ PROFILE
EXISTING ℄ PROFILE
ADA LANDING PAD REQ'D
ADA LANDING PAD REQ'D
ADA LANDING PAD REQ'D
EXISTING ℄ ELEVATION
PROPOSED ℄ ELEVATION

1065+50	1066+00	1066+50	1067+00	1067+50	1068+00	1068+50	1069+00	1069+50	1070+00	1070+50	1071+00	1071+50	1072+00	1072+50	1073+00
779.60	780.13	783.49	783.83	787.03	787.63	790.58	791.52	795.00	795.26	797.63	798.63	801.21	802.07	804.70	805.50	808.16	808.94	811.76	812.10	815.38	815.62	818.77	819.16	822.33	822.68	825.69	825.75	828.92	829.01	832.00	832.26

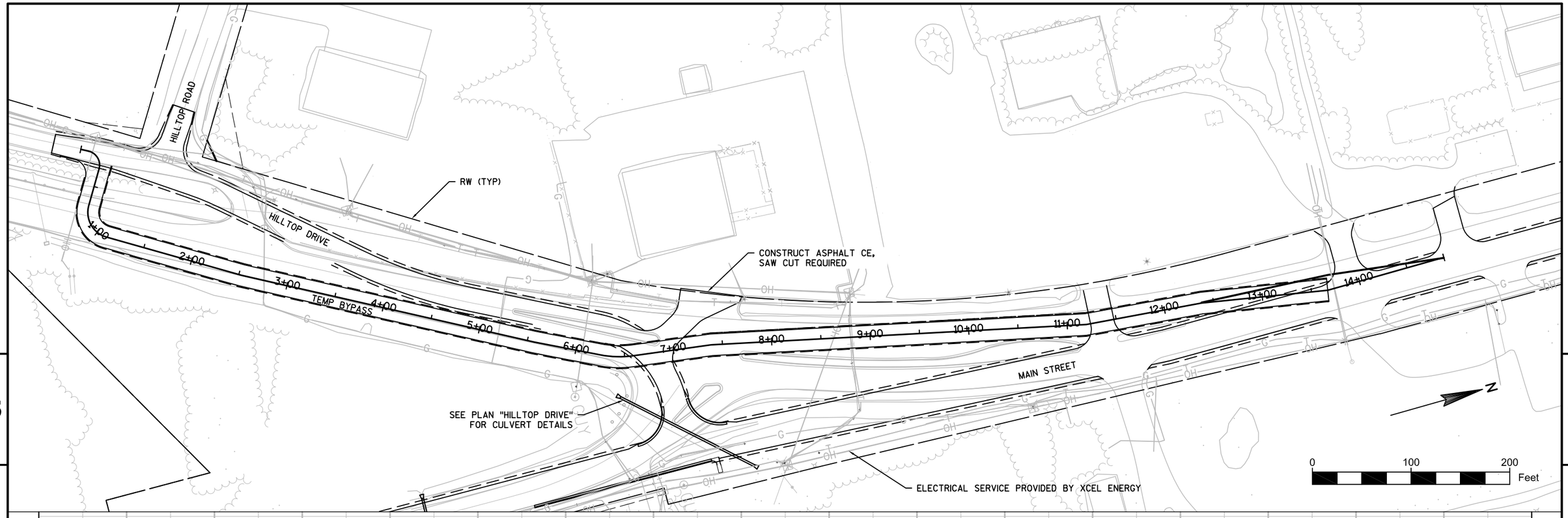
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: PEDESTRIAN PATH OLD STH 64	SHEET	E

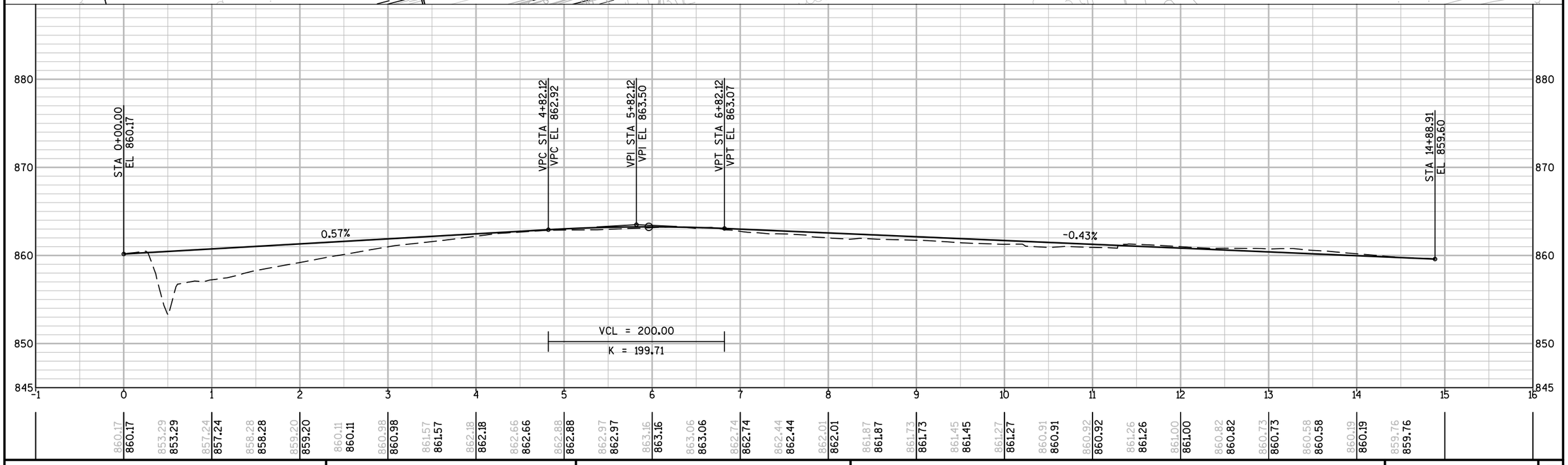


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: PEDESTRIAN PATH OLD STH 64	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050109_PP_STH 64 PED PATH.DWG
LAYOUT NAME - 05010 - (6)

PLOT DATE : 1/14/2018 2:25 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:50 FT





PROJECT NO: 8110-02-73	HWY: STH 35/64	COUNTY: ST. CROIX	PLAN AND PROFILE: HILLTOP TEMPORARY BYPASS	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050112_PP_HILLTOP TEMP BYPASS.DWG PLOT DATE : 12/15/2017 1:39 PM PLOT BY : DAVIS, TERESA L PLOT NAME :

WISDOT/CADDS SHEET 42

END CONSTRUCTION
STA 1210+81.03
MATCH EXISTING
SAWCUT REQ'D

CONSTRUCT 22-FOOT WIDE
TEMP BYPASS FOR HILLTOP DRIVE ACCESS
SEE STAGE 1 PLAN
70LF CULVERT PIPE CLASS III 24-INCH (TEMP)
2-24" AEW'S REQ'D
UP INV (N) = 854.2
DN INV (S) = 850.8

24-INCH CULVERT PIPE CLASS III-A NON METAL
2-24" AEW'S REQ'D
UP INV (N) =
DN INV (S) =

ELECTRICAL SUPPLY
PROVIDED BY XCEL
ENERGY

REMOVE CULVERT PIPE

REMOVE CABLE GUARD

R/W

BP: 1200+00.00

PC: 1201+45.00

MID: 1201+61.67

PT: 1201+78.35

HILLTOP ROAD

1211+00

PC: 1202+45.84

MID: 1202+63.57

PT: 1202+81.30

EP: 1211+50.00

PC: 1204+30.24

MID: 1204+91.43

1201+00

1202+00

1203+00

1204+00

1205

HILLTOP DRIVE

12.0'

3.0'

STA 1202+13.59 HILLTOP DRIVE =
STA 1211+50.00 HILLTOP ROAD

MATCHLINE STA 1205+00

BEGIN CONSTRUCTION
STA 1201+00.00
MATCH EXISTING
SAWCUT REQ'D

STH 64

50 LF-15" HDPE CULVERT PIPE
2 - 18" STEEL AEWS
UP INV (N) = 858.60
DN INV (S) = 858.00

N

0 40 80 Feet

5

5

STA 1201+00.00
EL 859.75

VPC STA 1201+85.00
VPC EL 860.71

VPI STA 1202+25.00
VPI EL 861.16

VPT STA 1202+65.00
VPT EL 861.36

STA 1204+75.00
EL 862.41

PROPOSED ℄ PROFILE

0.50%

1.13%

EXISTING ℄ PROFILE

VCL = 80.00
K = 126.89

EXISTING ℄ ELEVATION

PROPOSED ℄ ELEVATION

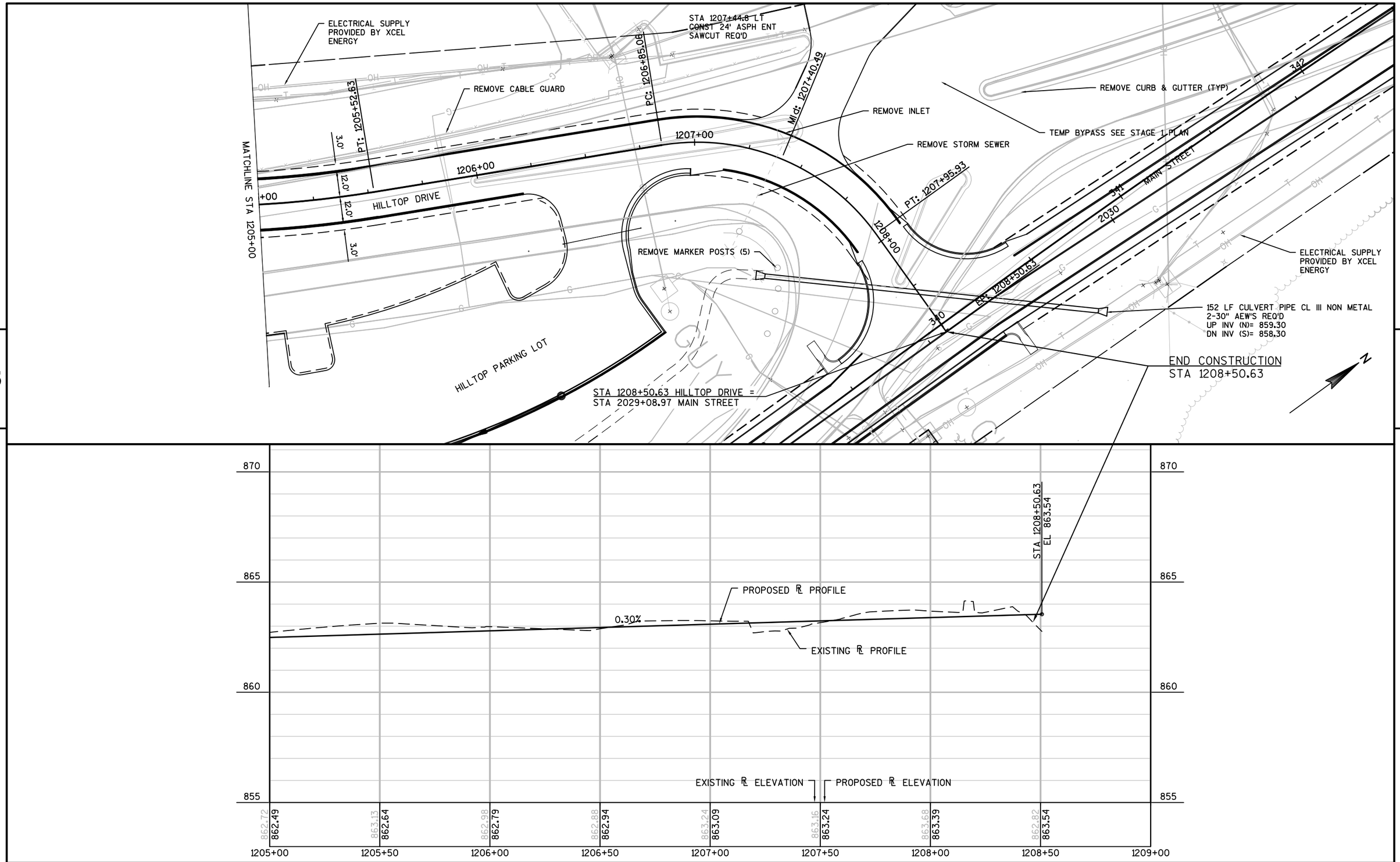
859.01	859.74	860.41	860.30	859.20	859.41	857.47	860.02	861.92	862.72	
	859.75	860.32	860.87	861.28	861.54	861.79	862.04	862.29	862.49	
1200+50	1201+00	1201+50	1202+00	1202+50	1203+00	1203+50	1204+00	1204+50	1205+00	

865 860 855 853

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: HILLTOP DRIVE	SHEET	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050105_PP_HILLTOP DR.DWG
LAYOUT NAME - HILLTOP DR 01

PLOT DATE : 1/14/2018 2:32 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:40 FT

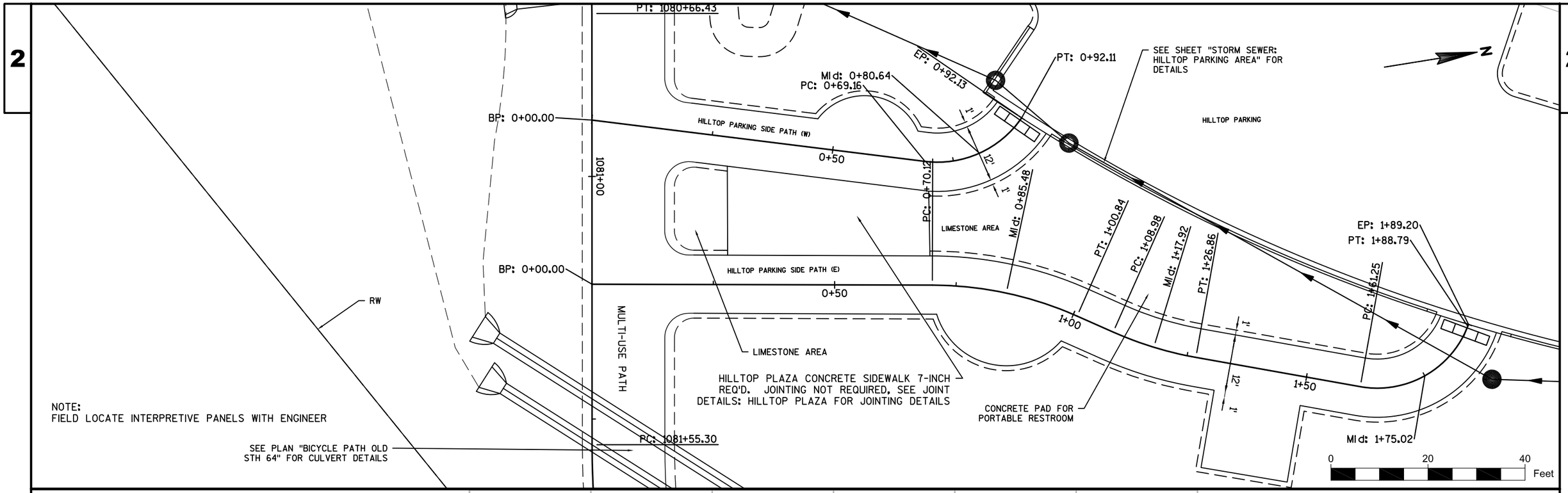


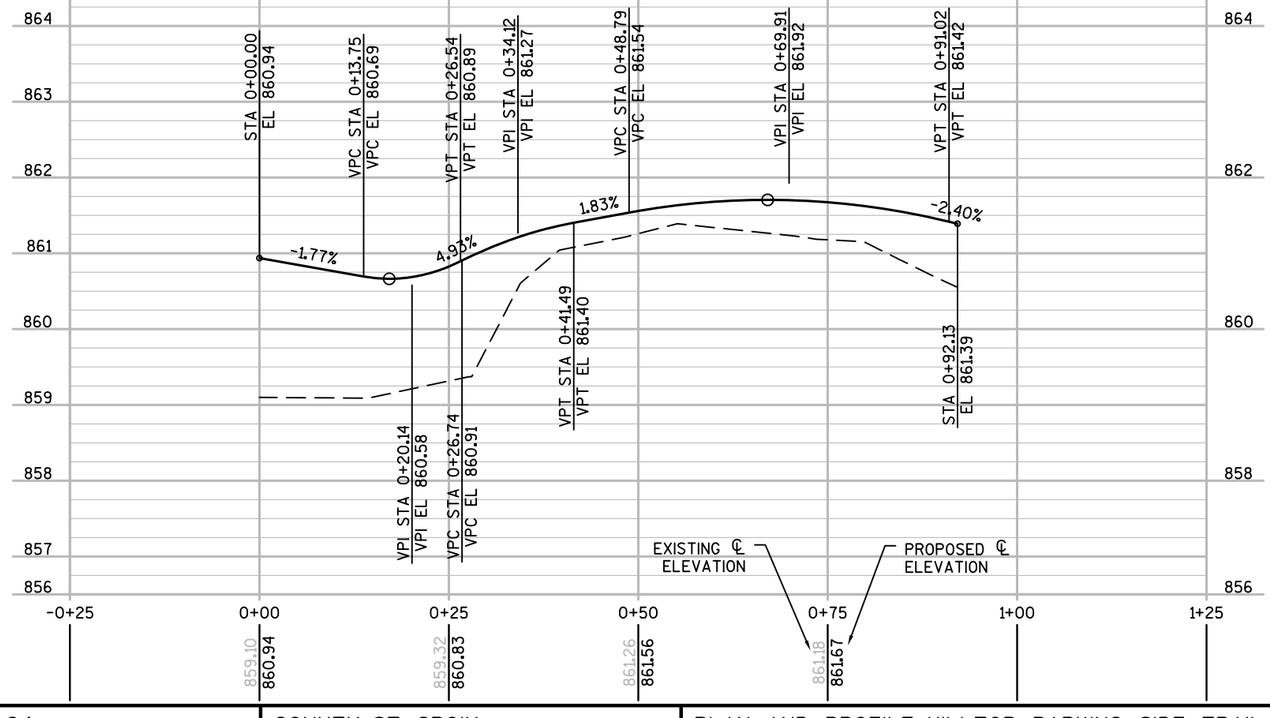
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: HILLTOP DRIVE	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050105_PP_HILLTOP DR.DWG
LAYOUT NAME - HILLTOP DR 02

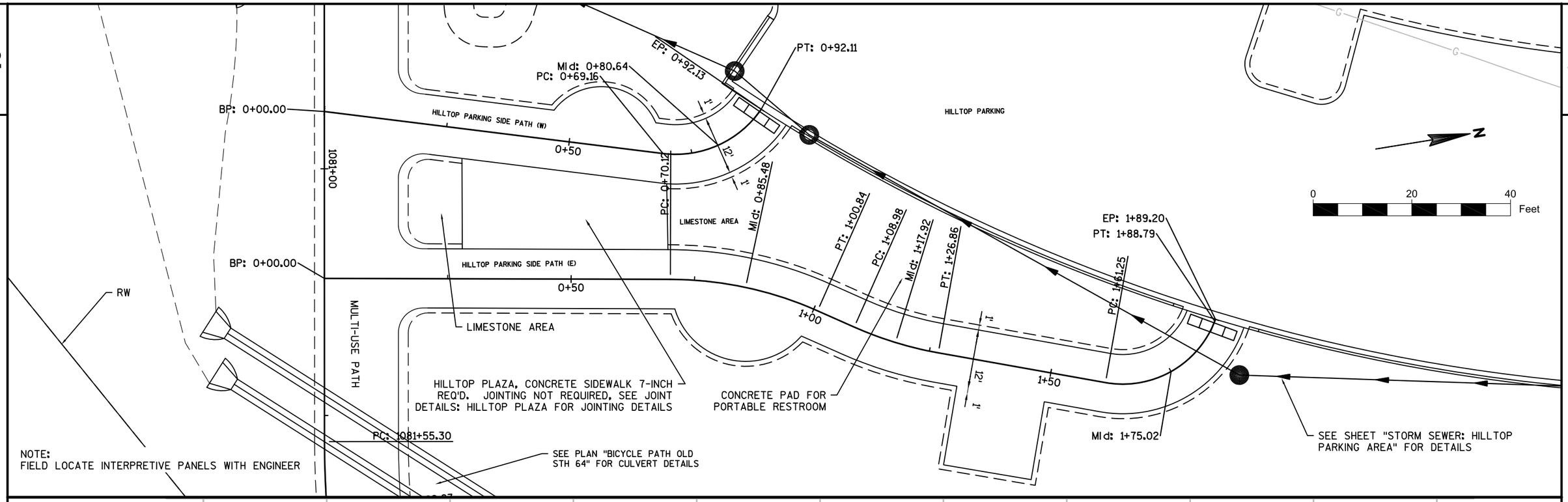
PLOT DATE : 1/14/2018 2:34 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : 1 IN:40 FT

2





PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	PLAN AND PROFILE-HILLTOP PARKING SIDE TRAIL (W)	SHEET	E



PROJECT NO: 8110-02-03	HWY: STH 64	COUNTY: ST CROIX	PLAN AND PROFILE-HILLTOP PARKING SIDE TRAIL (E)	SHEET E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\050113_PP_SIDE PATHS.DWG
LAYOUT NAME - 021101 - 021101_ID

PLOT DATE : 1/14/2018 2:46 PM PLOT BY : DAVIS, TERESA L PLOT NAME : PLOT SCALE : **********

PI STA 10+00.00A
Y: 372232.427
X: 503607.604

STA 10+50.49A HAWK STREET SOUTH
STA 20+00.00B SNOW ROAD

N

BP: 10+00.00A

BP: 20+00.00B

N0° 10' 33"W

11+00A

12+00A

13+00A

14+00A

15+00A

HAWK STREET SOUTH

PC: 12+52.86A

PT: 14+18.48A

EP: 15+18.86A

STH 35

PI STA = 13+37.35A
Y = 372569.776
X = 503606.569
DELTA = 27°54'34"
D = 16°51'06"
T = 84.49'
L = 165.62'
R = 340.00'
PC STA = 12+52.86A
PT STA = 14+18.48A

ADD CONCRETE SIDEWALK 4-INCH
BEHIND EXISTING CURB & GUTTER

S89° 55' 04"E

SNOW ROAD

21+00B

BP: 99+10.75D

PI: 100+00.00D

100+00D

PI STA 15+18.86A
Y: 372732.869
X: 503519.539

STA 14+30.16A
MATCH EXISTING
SAWING ASPHALT REQUIRED

VCL = 346.35
K = 110.04

STA 10+36.79A
EL 881.98

STA 10+50.49A
EL 881.90

-0.61%

0.34%

PROPOSED ℄ PROFILE

EXISING ℄ PROFILE

VPC STA 10+53.40A
VPC EL 881.86

VPI STA 12+26.57A
VPI EL 879.54

VPT STA 13+99.74A
VPT EL 882.66

STA 14+30.16A
EL 883.21

1.80%

888 886 884 882 880 878 876 874

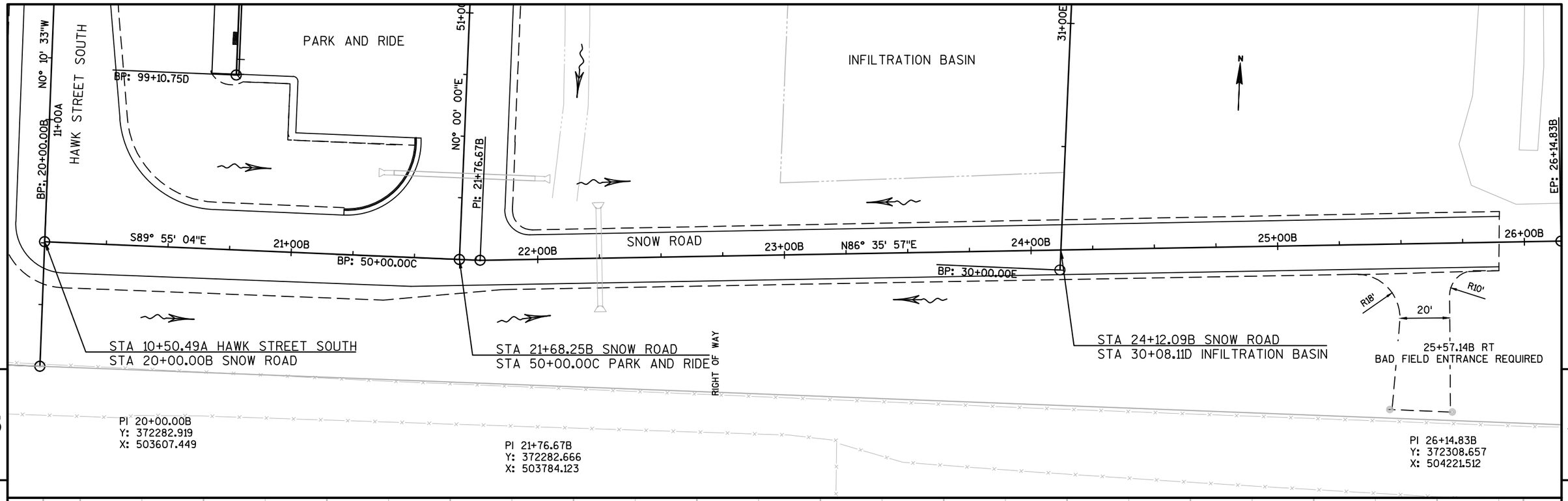
9+50 10+00 10+50 11+00 11+50 12+00 12+50 13+00 13+50 14+00 14+50 15+00 15+50

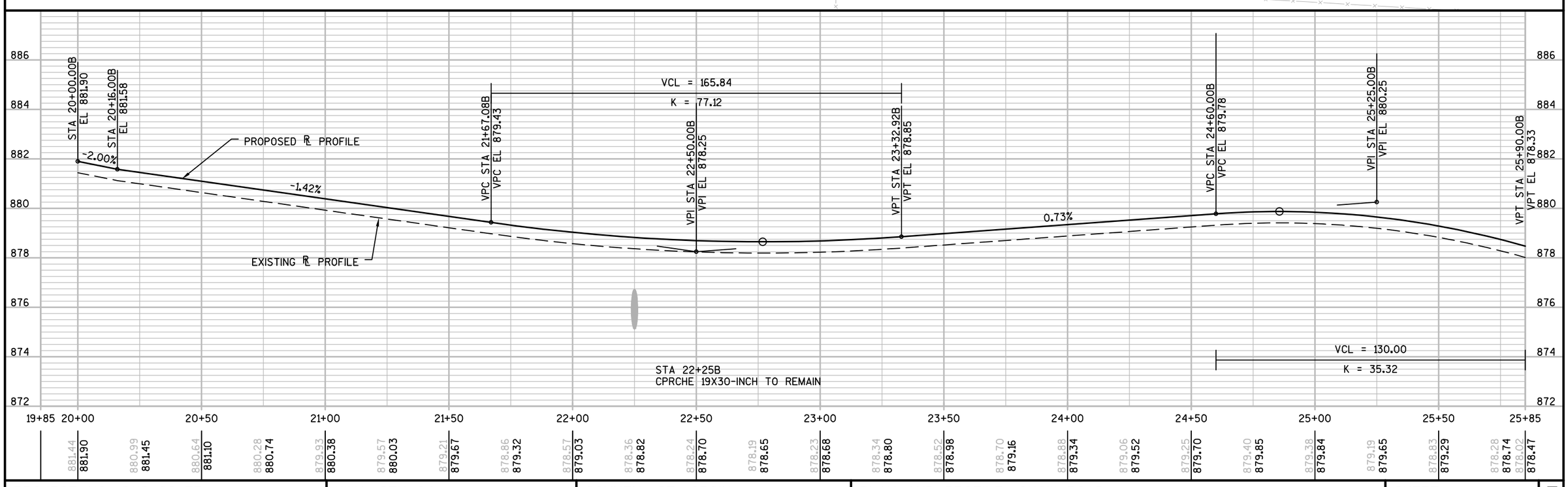
881.44 881.80
881.13 881.59
880.88 881.33
880.67 881.13
880.53 880.99
880.44 880.90
880.41 880.87
880.44 880.89
880.52 880.98
880.66 881.12
880.86 881.31
881.11 881.57
881.42 881.88
881.78 882.24
882.21 882.67
882.66 883.12

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: HAWK STREET SOUTH	SHEET 272 E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\050101_PP.DWG PLOT DATE : 12/18/2017 8:52 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
LAYOUT NAME - SHOOL ROAD PP - (1)

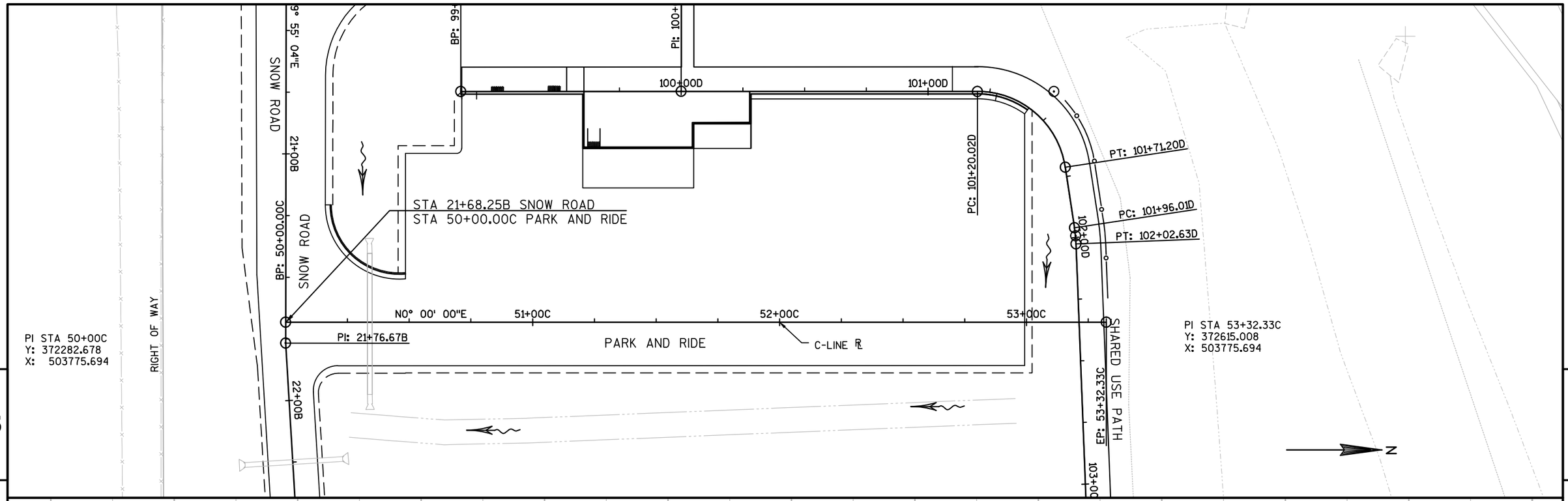
WISDOT/CADDS SHEET 44

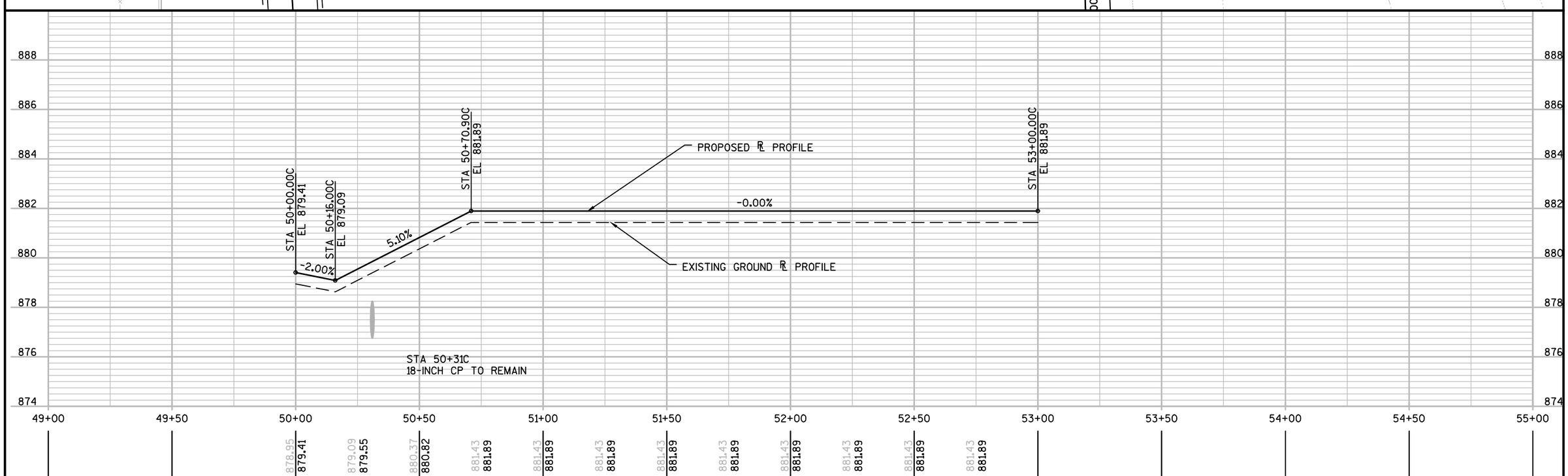




PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: SNOW ROAD	SHEET 273	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\050101_PP.DWG PLOT DATE : 12/18/2017 8:52 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
LAYOUT NAME - SNOW ROAD - (1)
WISDOT/CADDS SHEET 44





PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: PARK AND RIDE	SHEET 274	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\050101_PP.DWG PLOT DATE : 12/18/2017 3:32 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT
LAYOUT NAME - PKNRD - (1)
WISDOT/CADDS SHEET 44

PI STA = 101+51.01D
Y = 372593.847
X = 503682.194
DELTA = 81°26'43"
D = 159°09'18"
T = 30.99'
L = 51.17'
R = 36.00'
PC STA = 101+20.02D
PT STA = 101+71.20D

EXISTING INFILTRATION BASIN

PI STA = 103+95.63
Y = 372610.211
X = 503936.825
DELTA = 74°18'45"
D = 95°29'35"
T = 45.47'
L = 77.82'
R = 60.00'
PC STA = 103+50.16
PT STA = 104+27.98

PI STA = 105+59.70D
Y = 372782.529
X = 503978.104
DELTA = 59°10'07"
D = 47°44'47"
T = 68.13'
L = 123.92'
R = 120.00'
PC STA = 104+91.58D
PT STA = 106+15.50D

PT: 101+74.20D
PC: 101+96.01D
PT: 102+02.63D
PC: 101+20.02D
PT: 106+15.50D
PC: 104+91.58D
PT: 104+27.98D
PC: 103+50.16D
101+00D
102+00D
103+00D
104+00D
105+00D
106+00D
107+00D
SHARED USE PATH
EP: 53+32.33C
53+00C
D-LINE ℄
PARK AND RIDE
STA 100+50'C' TO STA 102+25'C', 12' LT
PEDESTRIAN SAFETY RAILING REQUIRED
MATCH STA 107+00D
SNOW STORAGE SITE
N

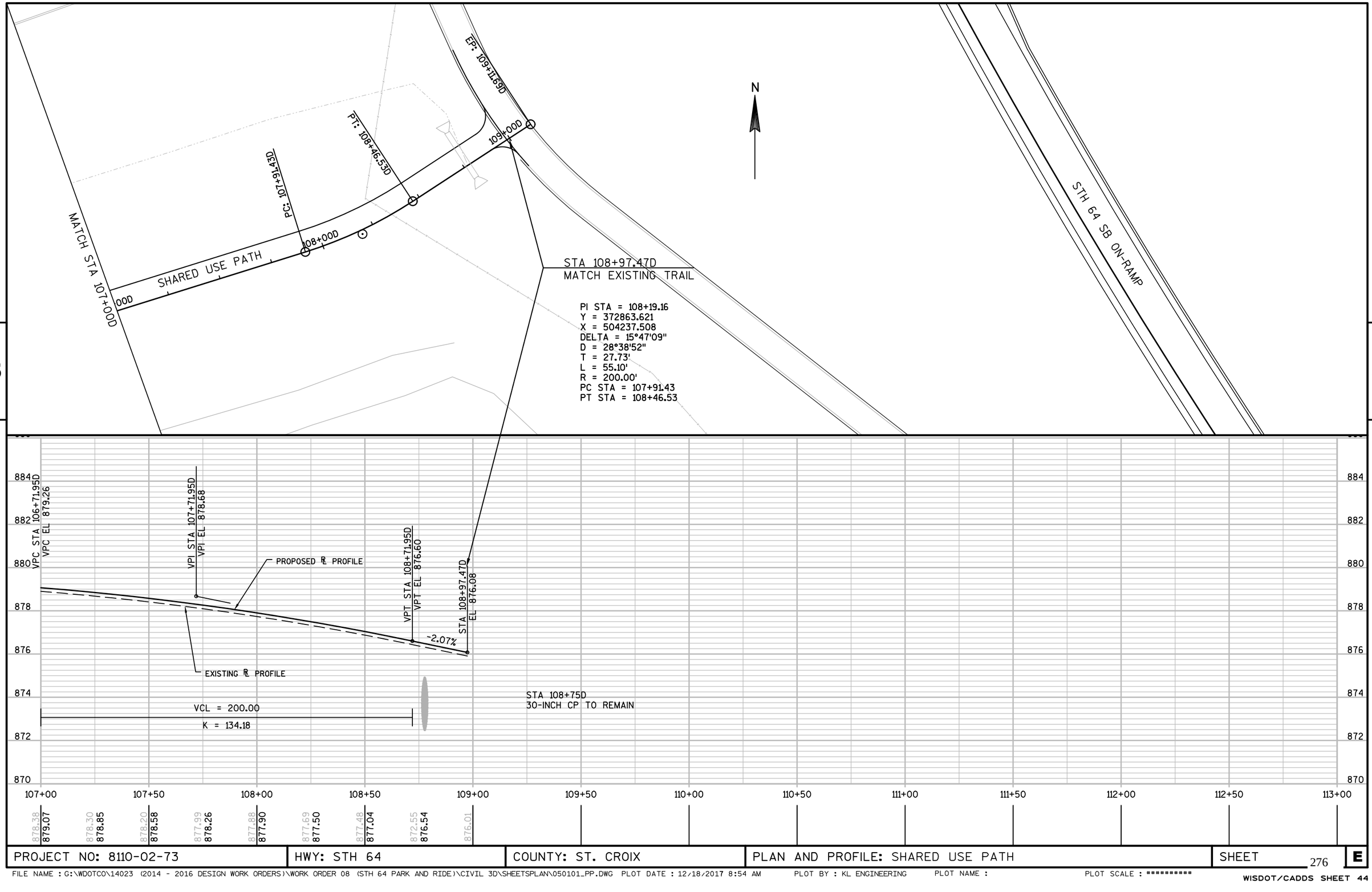
STA 101+09.84D
EL 883.31
STA 101+28.00D
EL 883.31
STA 101+40.09D
EL 882.77
VPC STA 101+61.91D
VPC EL 881.28
VPT STA 101+92.97D
VPT EL 880.24
VPI STA 101+77.44D
VPI EL 880.22
VCL = 31.07
K = 4.48
-0.00%
-4.51%
-6.82%
PROPOSED ℄ PROFILE
EXISTING ℄ PROFILE
0.12%
VPC STA 104+25.00D
VPC EL 880.52
VPI STA 104+50.00D
VPI EL 880.55
VPT STA 104+75.00D
VPT EL 880.41
VCL = 50.00
K = 71.04
-0.58%
VPC STA 106+71.95D
VPC EL 879.26
VPT STA 108+71.95D
VPT EL 876.60
VCL = 200.00
K = 134.18
STA 103+65D
18-INCH CP TO REMAIN

888 886 884 882 880 878 876 874

101+00 101+50 102+00 102+50 103+00 103+50 104+00 104+50 105+00 105+50 106+00 106+50 107+00

878.81 883.31 | 878.86 883.31 | 879.04 882.09 | 879.24 880.58 | 879.23 880.25 | 879.18 880.28 | 879.20 880.31 | 879.27 880.34 | 879.38 880.37 | 879.50 880.40 | 879.65 880.43 | 879.63 880.46 | 879.61 880.49 | 879.77 880.52 | 879.70 880.51 | 879.54 880.41 | 879.37 880.26 | 879.09 880.12 | 878.87 879.97 | 878.70 879.82 | 878.48 879.68 | 878.39 879.53 | 878.36 879.39 | 878.37 879.24 | 878.38 879.07

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: SHARED USE PATH	SHEET 275	E



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5

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	PLAN AND PROFILE: SHARED USE PATH	SHEET 276	E

Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
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
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19B	CURB RAMPS TYPES 2 AND 3
08D05-19C	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-01	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-01	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
08D21-01	DRIVEWAYS WITHOUT CURB & GUTTER
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F10-01	CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09B02-10	CONDUIT
09B04-11	PULL BOX
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09E01-14C	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4
09E01-14E	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)
09E01-14G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-05	NON-FREEWAY LIGHTING UNIT POLE WIRING
13C18-05A	CONCRETE PAVEMENT JOINTING
13C18-05B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-05C	CONCRETE PAVEMENT JOINT TYPES
13C18-05D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
14A01-03	TREE PRESERVATION DETAILS
14A02-01	TREE PLANTING DETAIL
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-14A	PAVEMENT MARKING SYMBOLS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14E	PAVEMENT MARKING FOR BIKE LANES
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C08-18B	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-04A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C26-03	END-OF-ROADWAY SIGNING
15C27-02A	DOUBLE ARROW WARNING SIGN PLACEMENT
15C29-05A	BICYCLE LANE MARKING
15C29-05B	PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS

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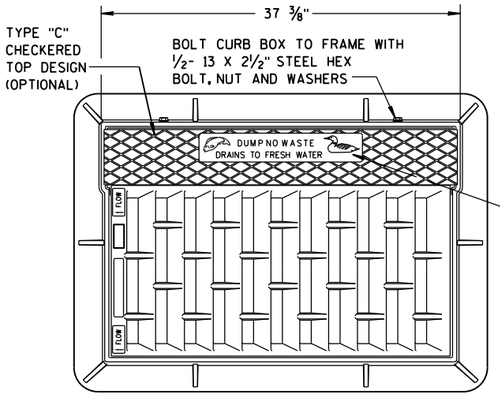
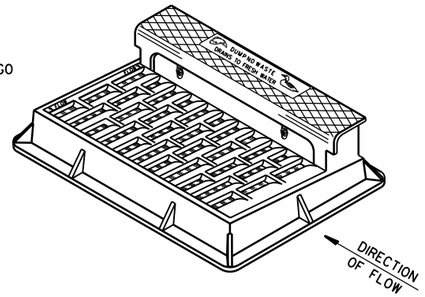
Standard Detail Drawing List

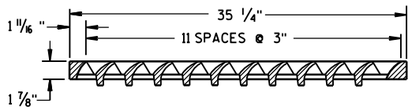
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-01A	PAVEMENT MARKING (INTERSECTIONS)
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D35-02A	RAMP GATE HARD WIRED
15D35-02B	RAMP GATE HARD WIRED
15D35-02C	RAMP GATE HARD WIRED
15D35-02D	RAMP GATE HARD WIRED
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

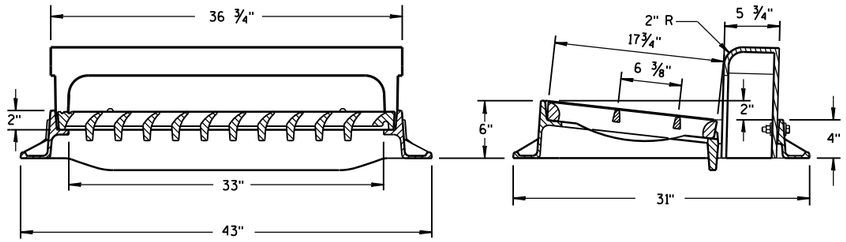


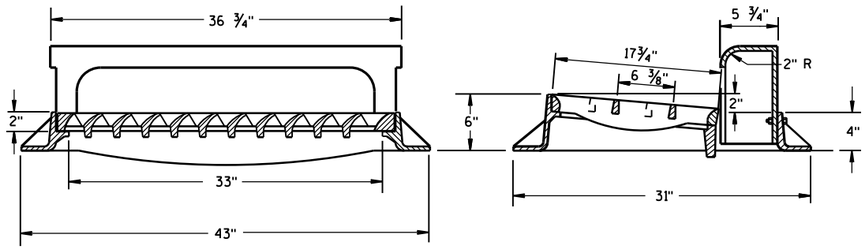
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

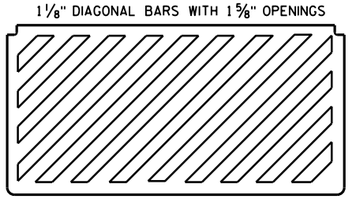






TYPE "H"

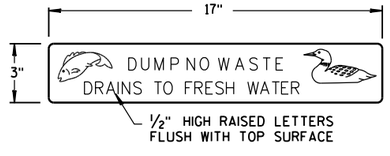
NOTE: EITHER CASTING IS ACCEPTABLE



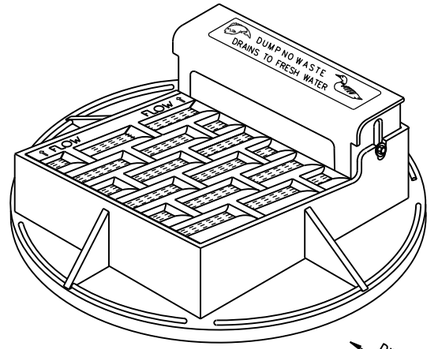
SPECIAL GRATE FOR TYPE "H" COVER

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

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

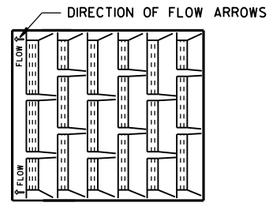


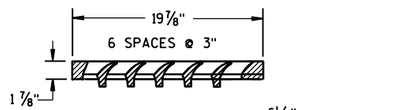
LOGO DETAIL

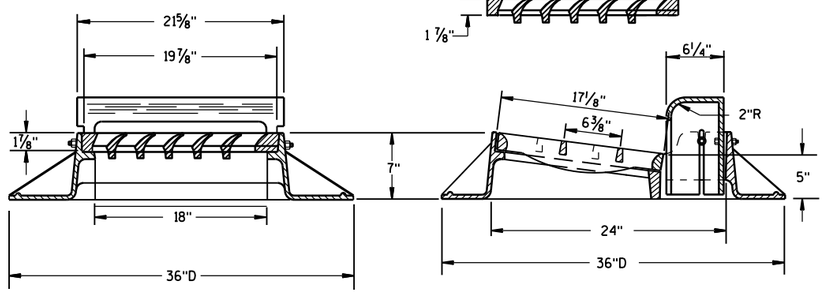


NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.







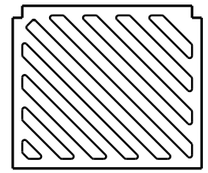
TYPE "A"

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.

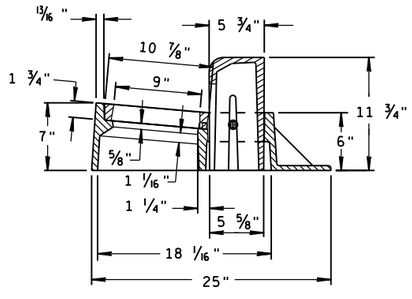
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

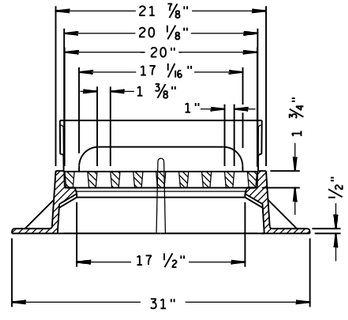


SPECIAL GRATE FOR TYPE "A" COVER

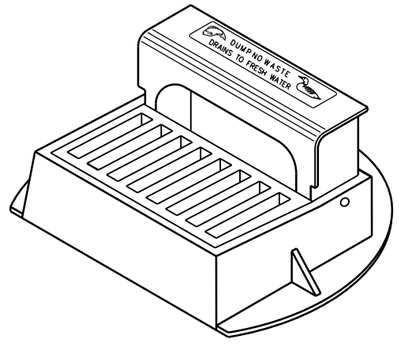
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



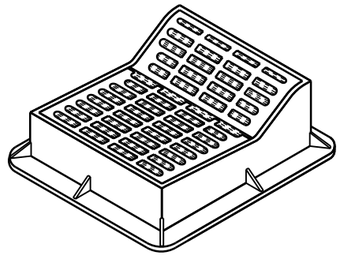
INLET COVERS TYPE A, H, A-S, H-S & Z

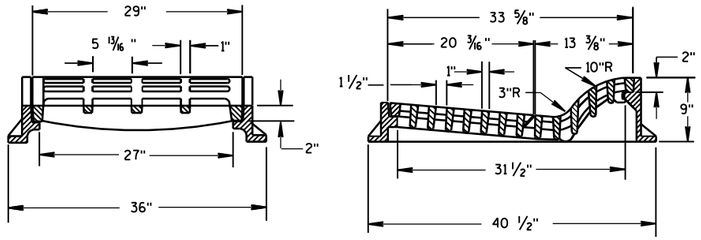
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

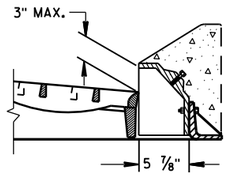
S.D.D. 8 A 5-19a





TYPE "F"

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

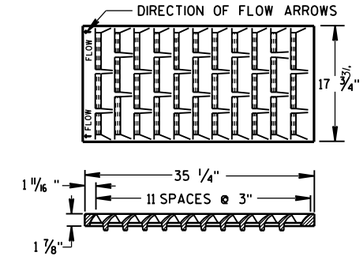
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

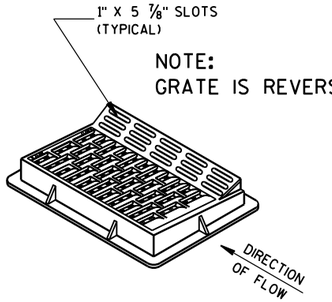
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

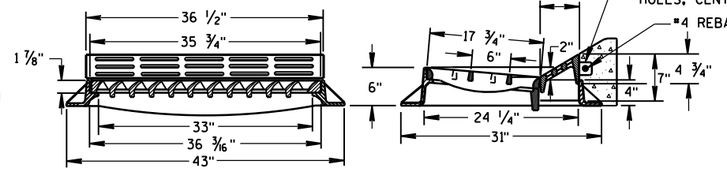
GENERAL NOTES

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.



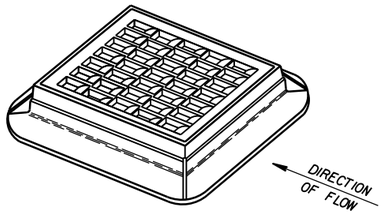


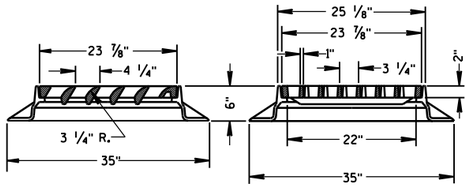


TYPE "HM"

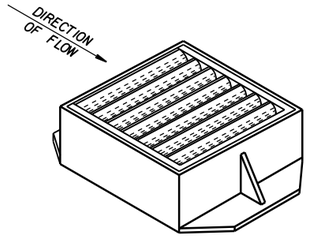
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

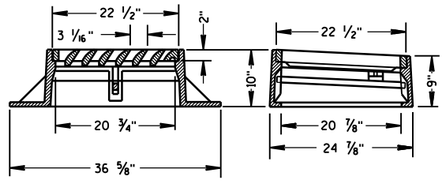
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



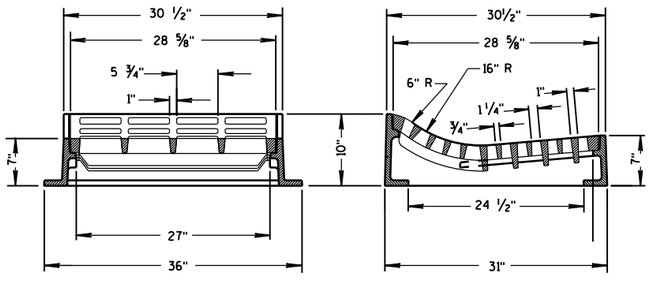


TYPE "S"



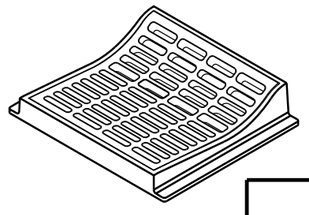


TYPE "V"



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

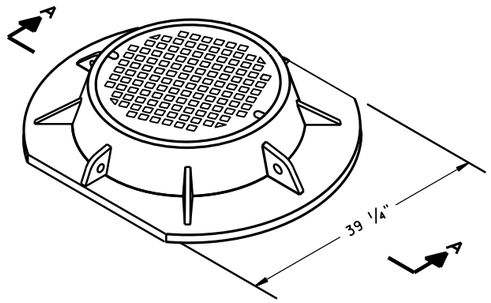
APPROVED
11/27/2013
DATE

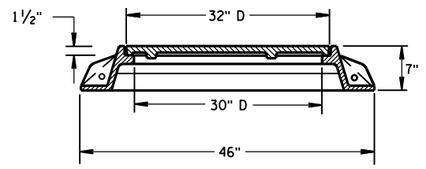
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

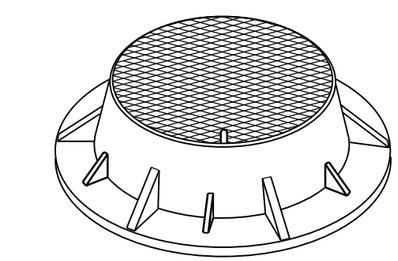
6

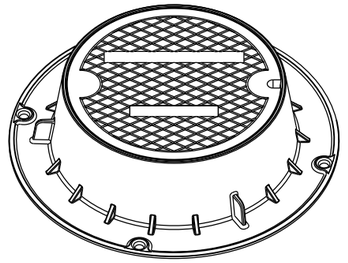
S.D.D. 8 A 5-19c

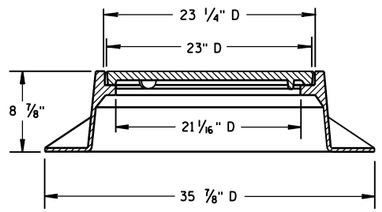


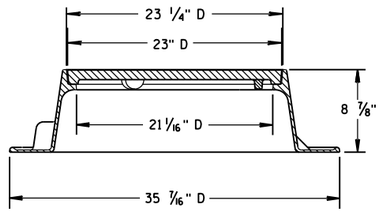


SECTION A-A
TYPE "K"









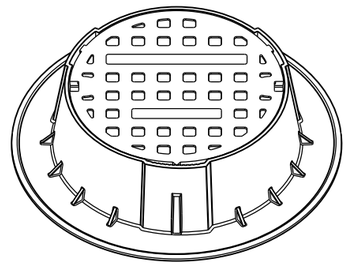
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

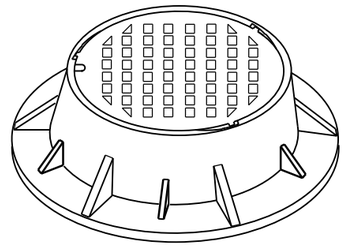
GENERAL NOTES

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.

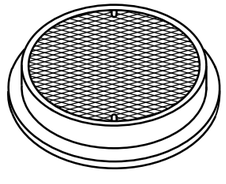
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

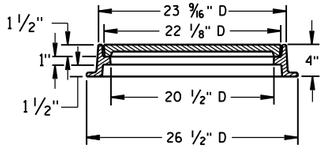
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.





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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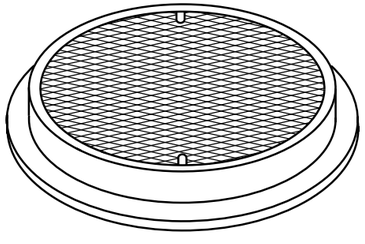
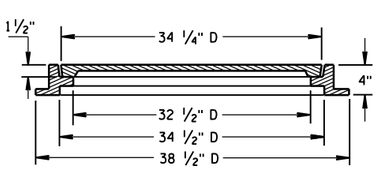
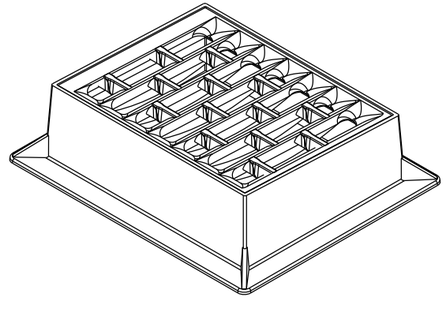
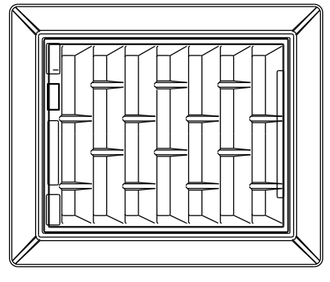
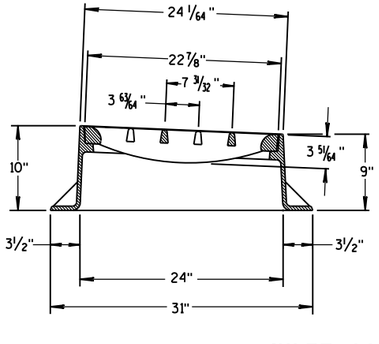


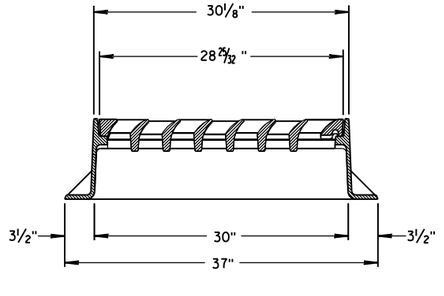


TYPE "M"









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

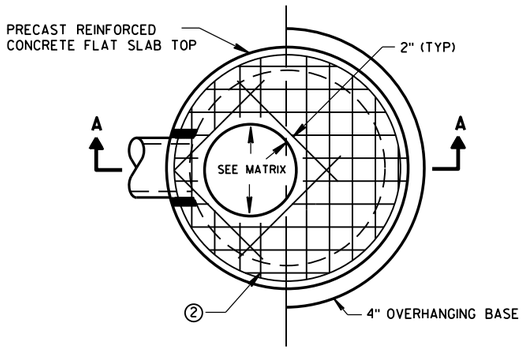
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

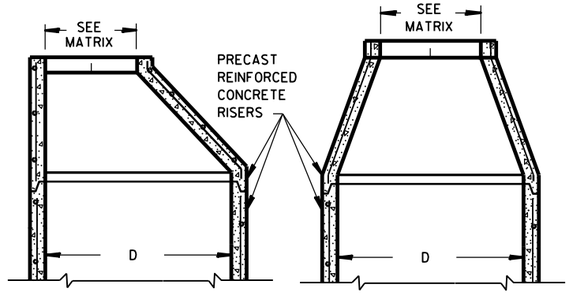
S.D.D. 8 A 5-19d

6

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

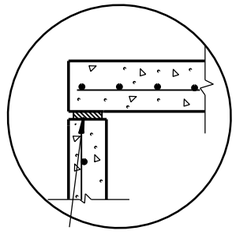


PLAN VIEW CIRCULAR OPENING

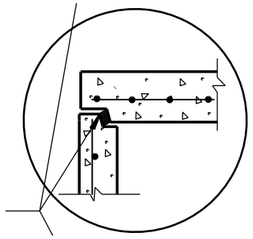


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

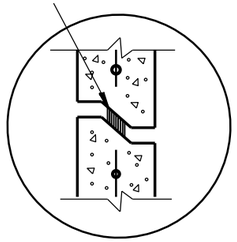
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



TOP WITH PLAIN END JOINT

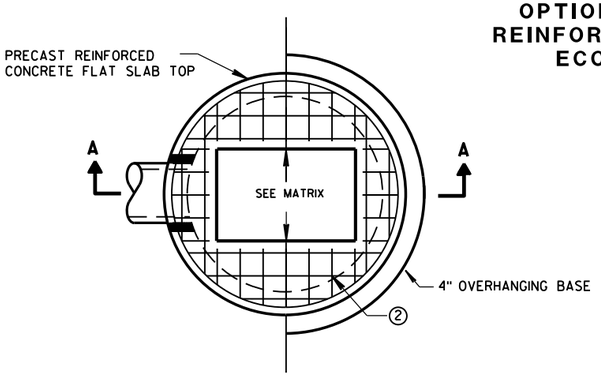


TOP WITH TONGUE AND GROOVE JOINT

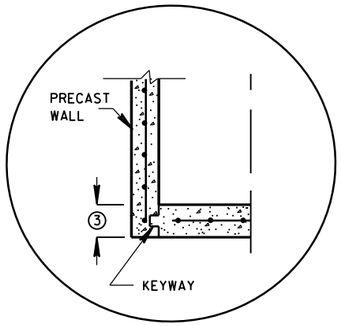


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

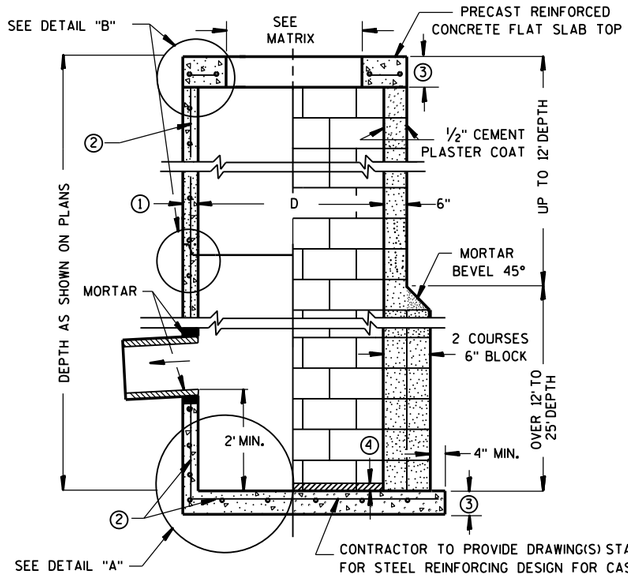


PLAN VIEW RECTANGULAR OPENING



PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

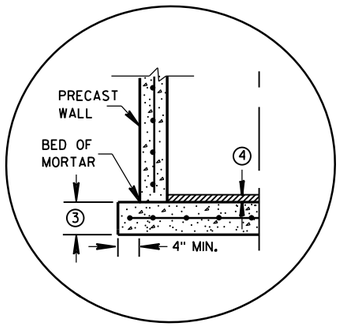
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



SECTION A-A

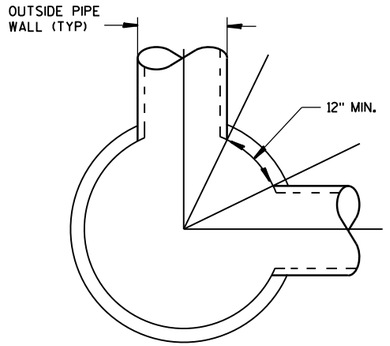
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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



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 CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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

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

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

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

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, 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 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

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

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

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

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

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

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

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

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

② FOR PRECAST CATCH BASINS 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".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

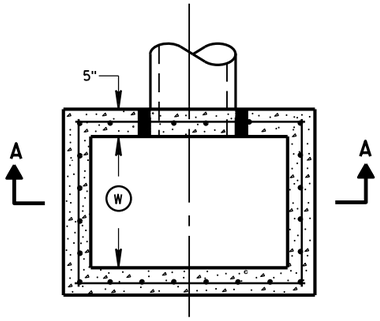
PIPE MATRIX

CATCH BASIN 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	30

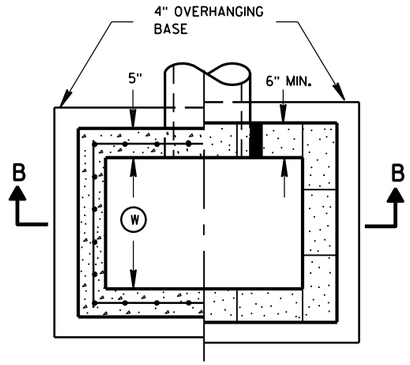
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

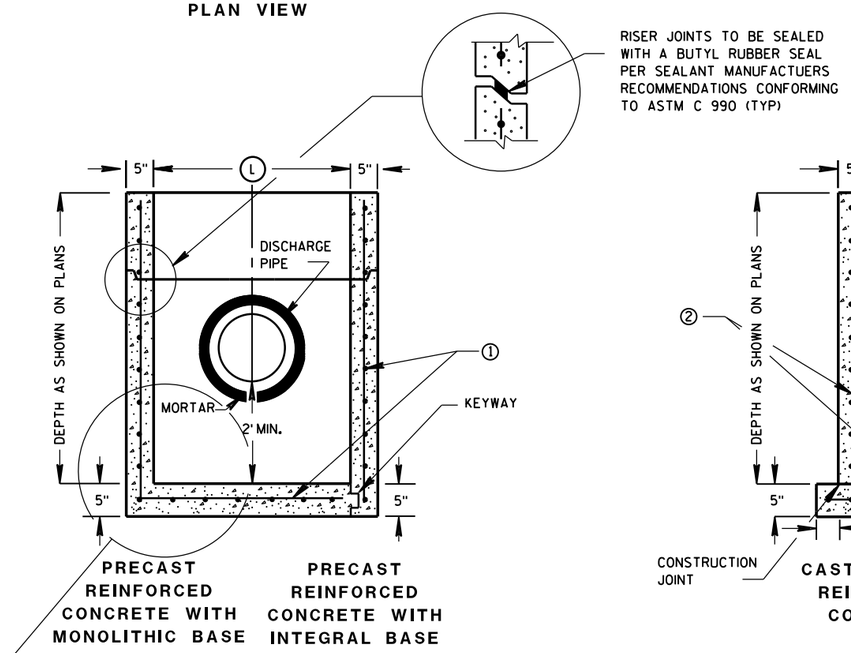
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA



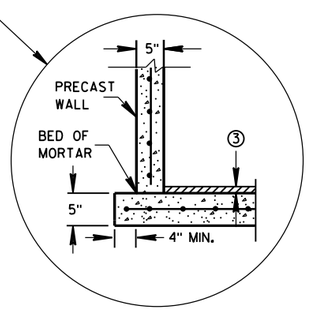
PLAN VIEW



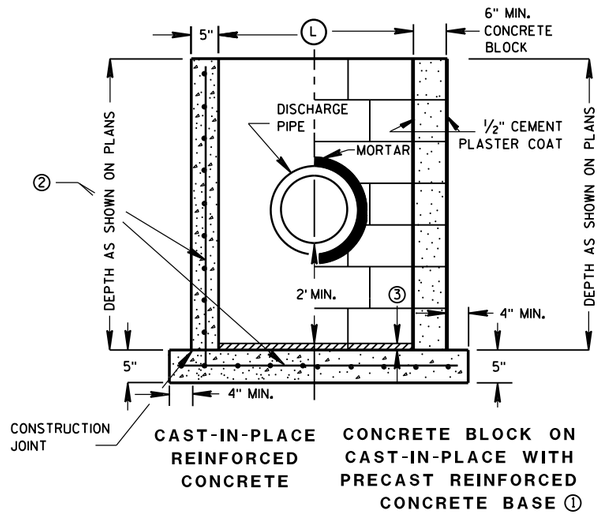
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN 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 CATCH BASIN 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" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS 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.

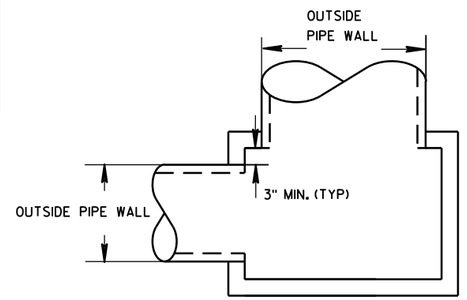
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
FHWA

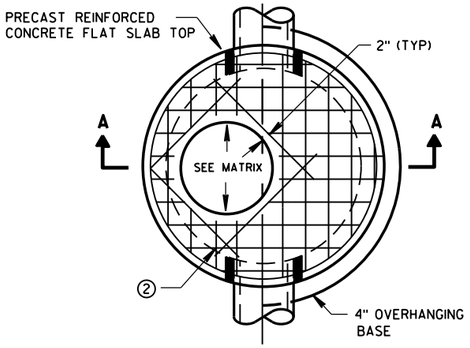
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

6

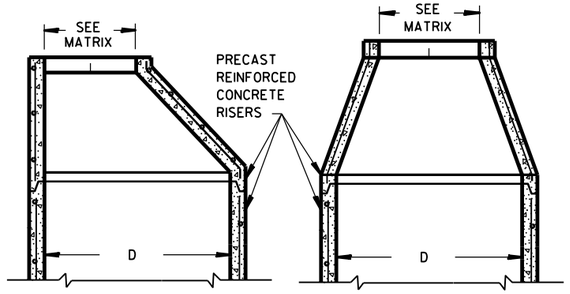
S.D.D. 8 A 9-2

6

S.D.D. 8 A 9-2

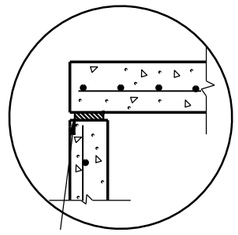


PLAN VIEW CIRCULAR OPENING

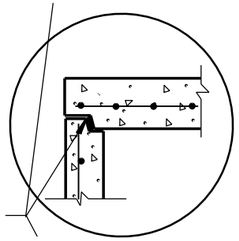


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

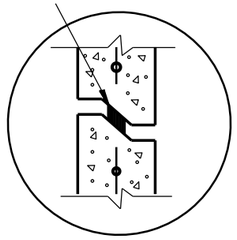


TOP WITH PLAIN END JOINT



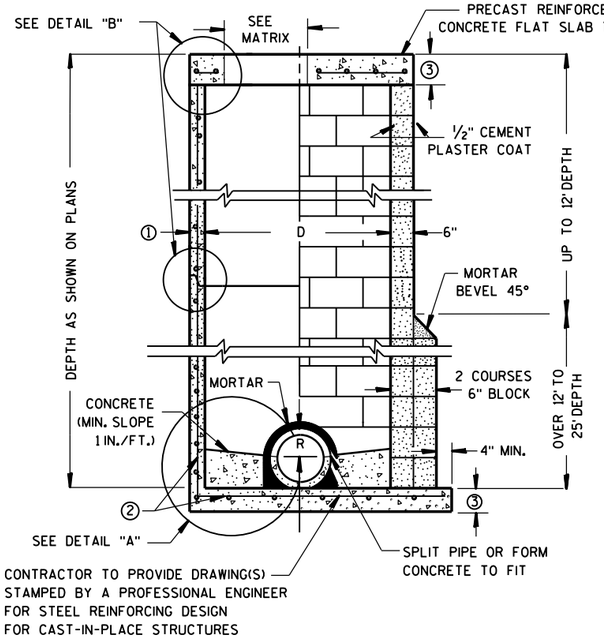
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



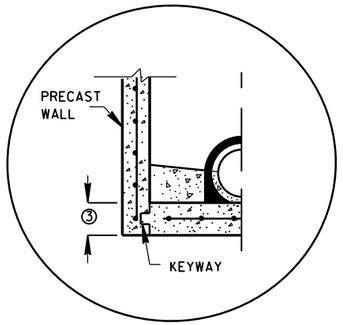
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

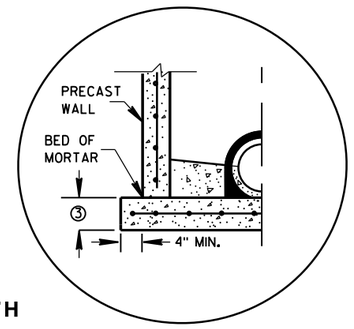


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

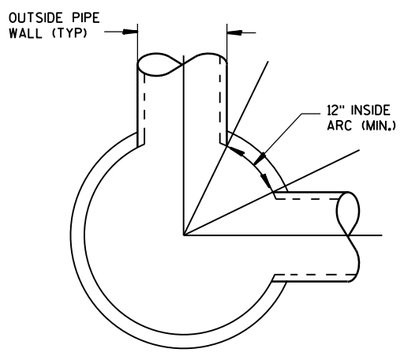


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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

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ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

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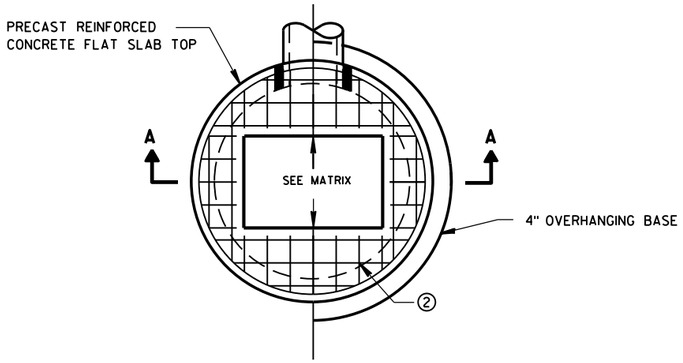
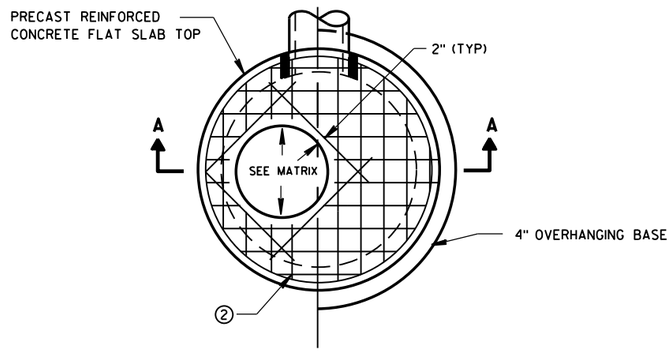
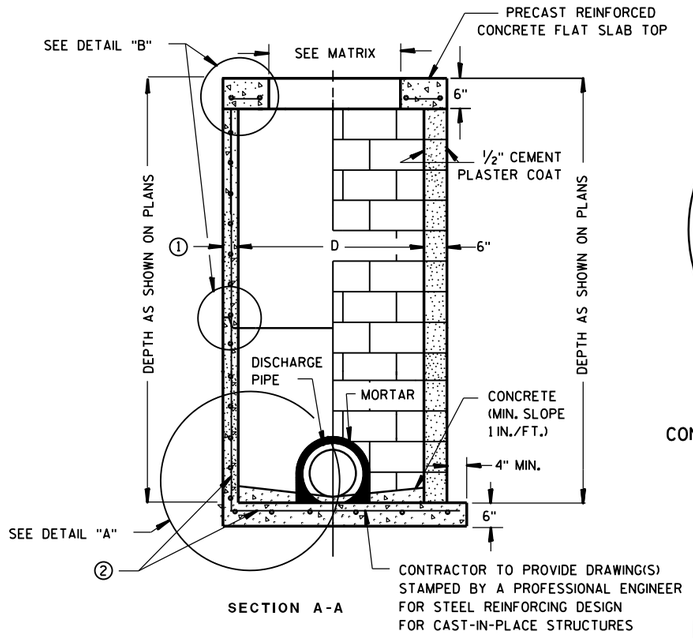


PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

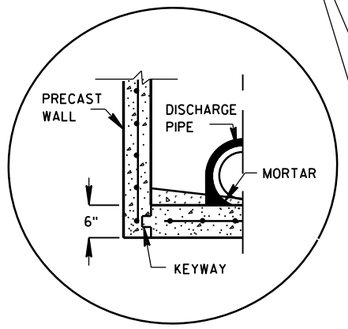


SECTION A-A

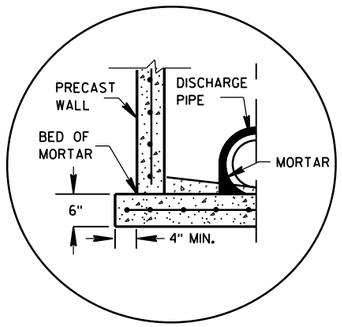
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

CIRCULAR INLETS W/ FLAT TOP

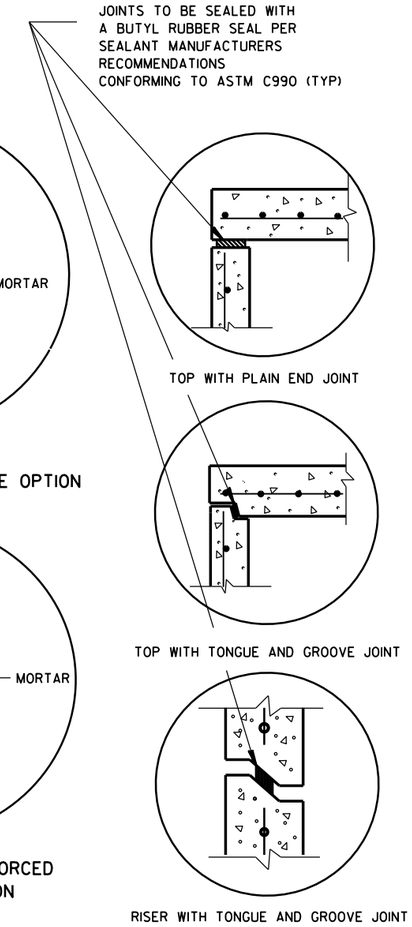


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

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

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

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

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

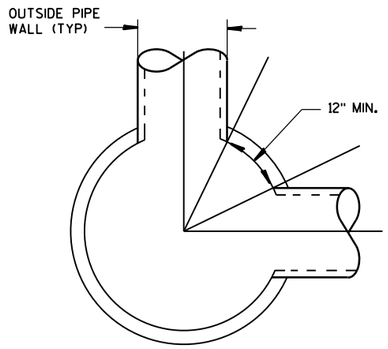
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

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

INLET COVER OPENING MATRIX

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



DETAIL "C"

PIPE MATRIX

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

INLETS 3-FT AND 4-FT DIAMETER

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INLETS 3-FT AND 4-FT DIAMETER

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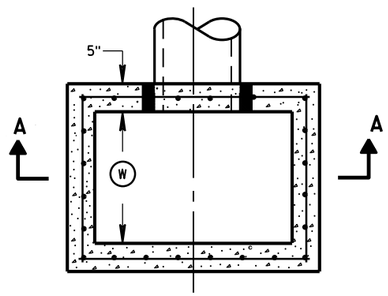
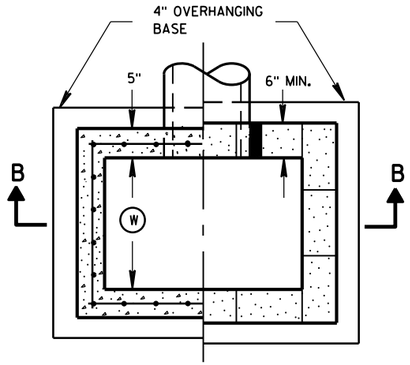
S.D.D. 8 C 6-2

6

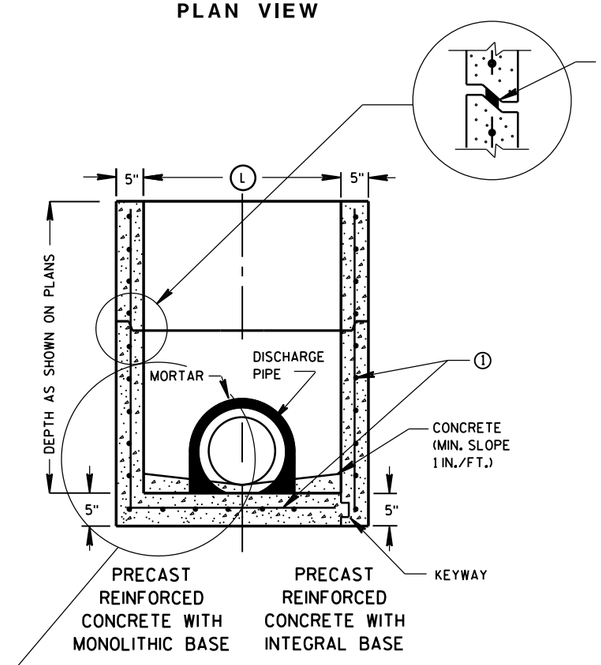
S.D.D. 8 C 6-2



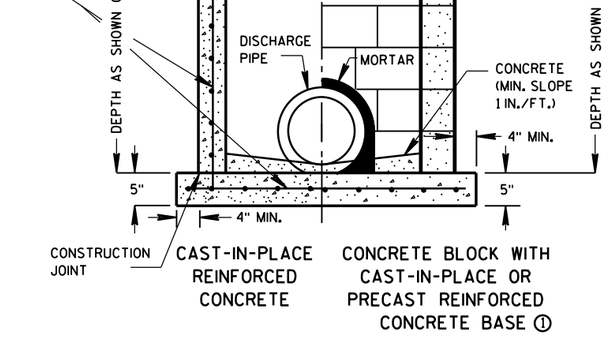
PLAN VIEW



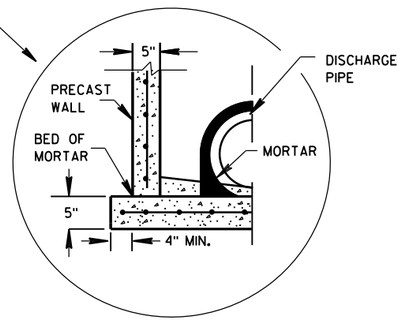
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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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.

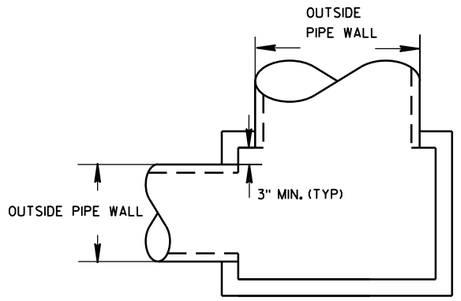
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

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
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ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

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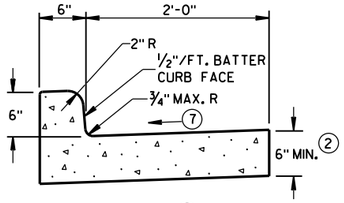
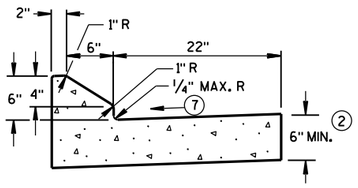
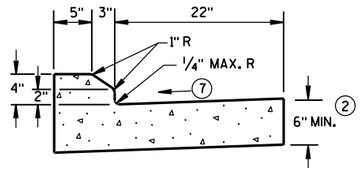
S.D.D. 8 C 7-2



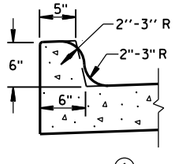
TYPES A (1) & D



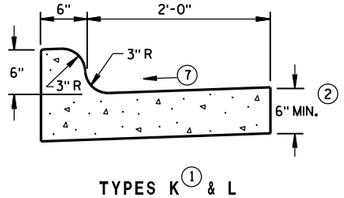
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

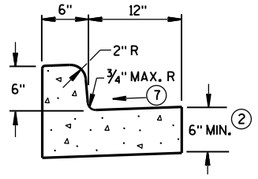


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



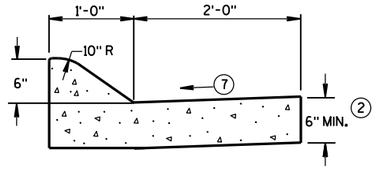
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

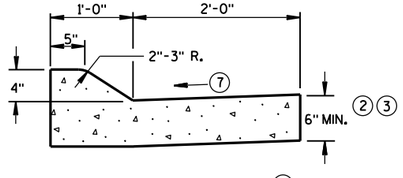


TYPES A (1) & D

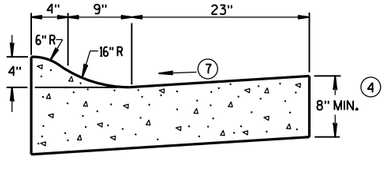
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

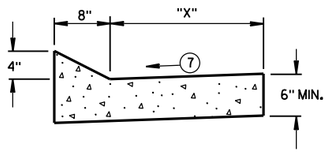


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

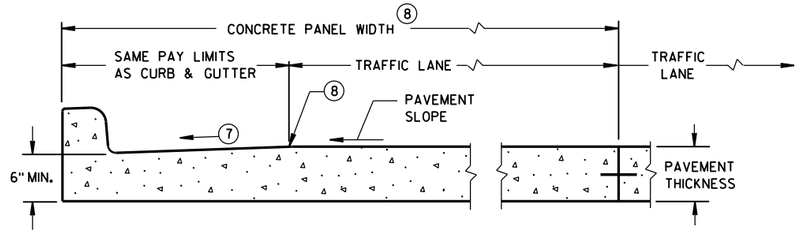
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

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

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

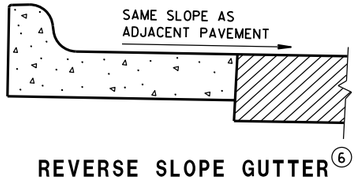
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.

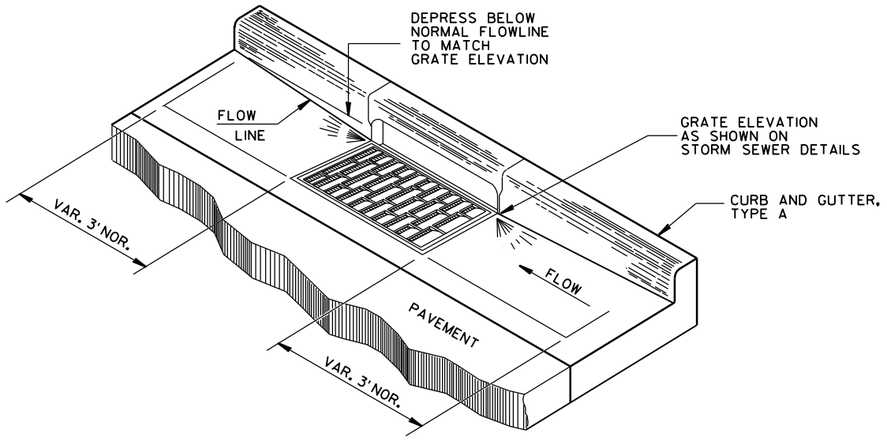


REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

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

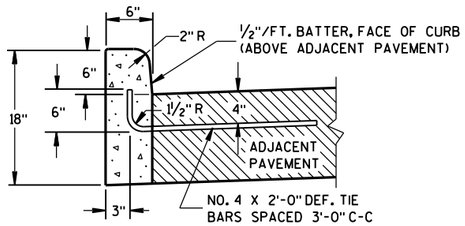
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

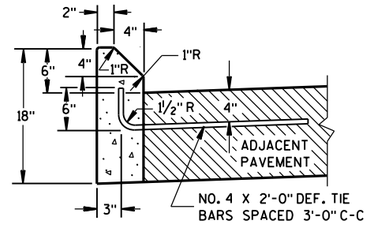
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

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

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

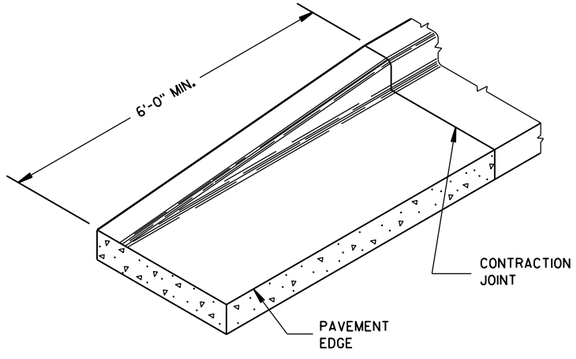


TYPES A (1) & D

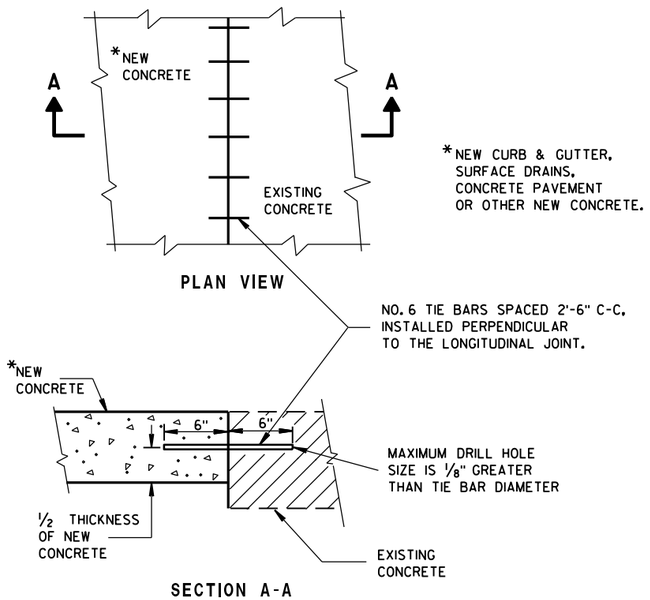


TYPES G (1) & J

CONCRETE CURB



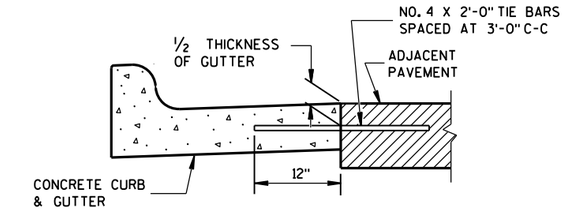
END SECTION CURB & GUTTER



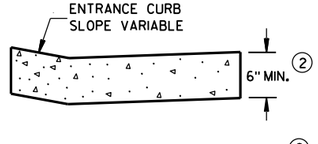
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
288 — ENT
FHWA

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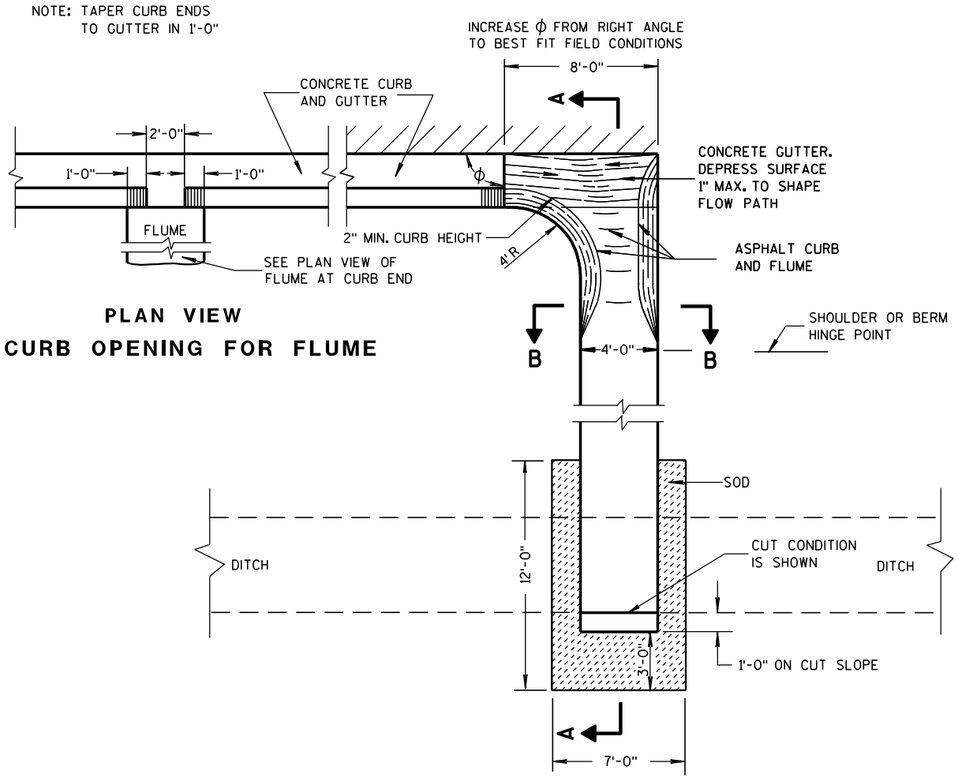
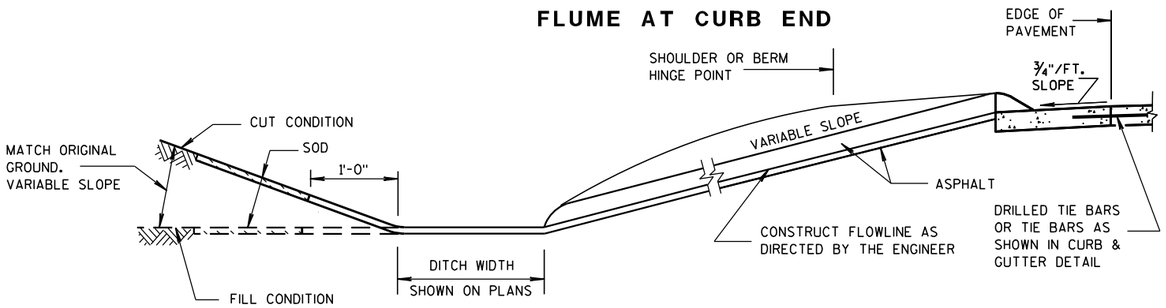
S.D.D. 8 D 1-20b

ASPHALTIC FLUME

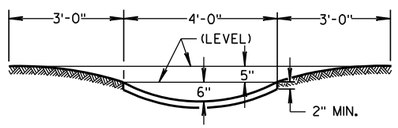


PLAN VIEW
CURB OPENING FOR FLUME

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.

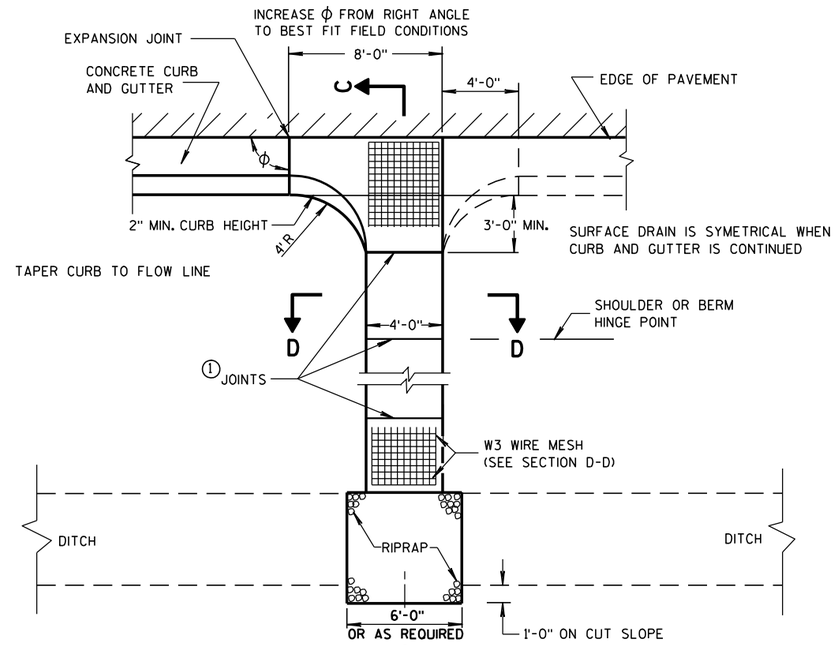
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

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.

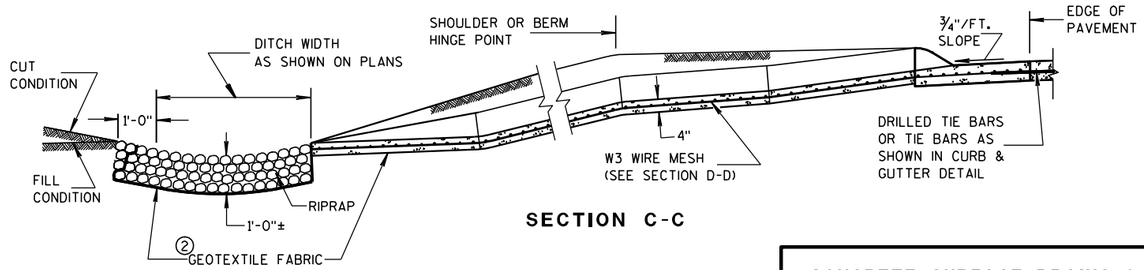
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

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

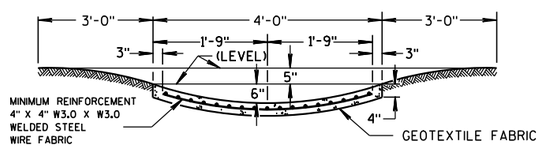
③ CONCRETE SURFACE DRAIN



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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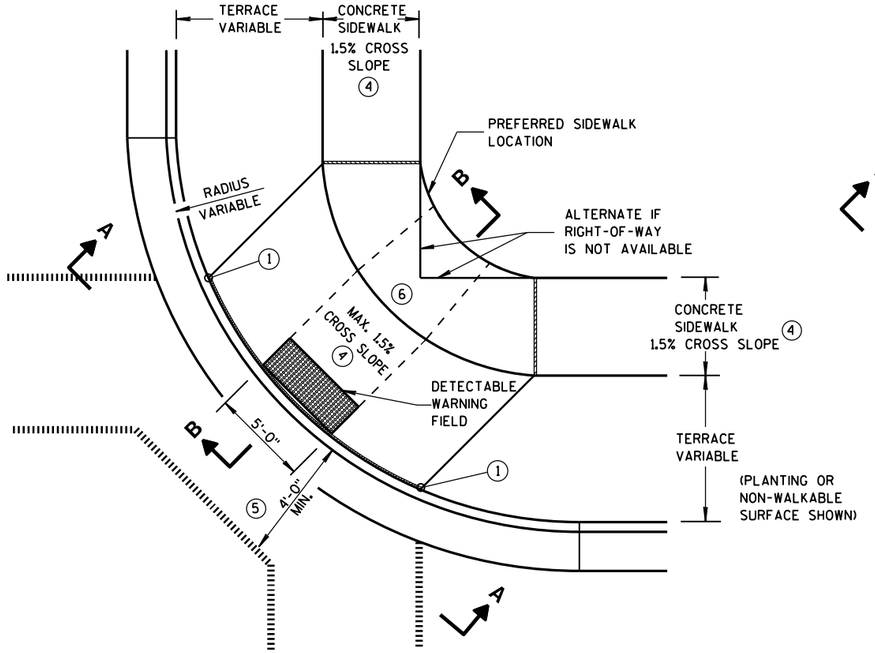
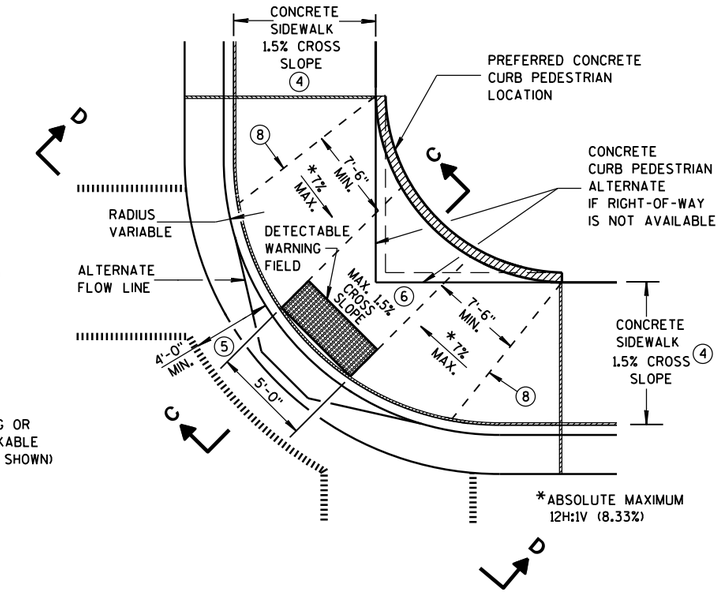
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

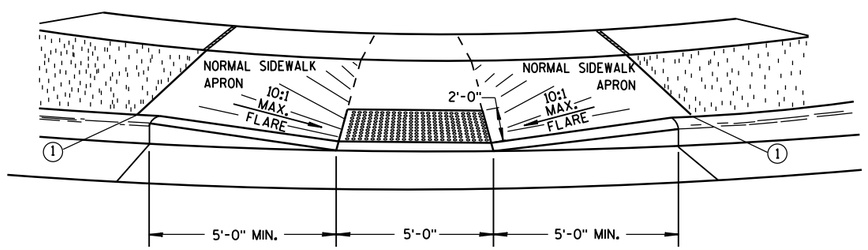
(CENTER OF CORNER RADIUS)



PLAN VIEW

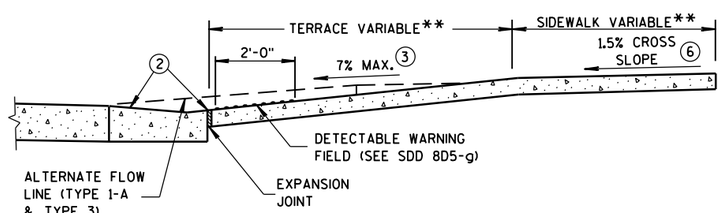
TYPE 1-A RAMP

(NO TERRACE)

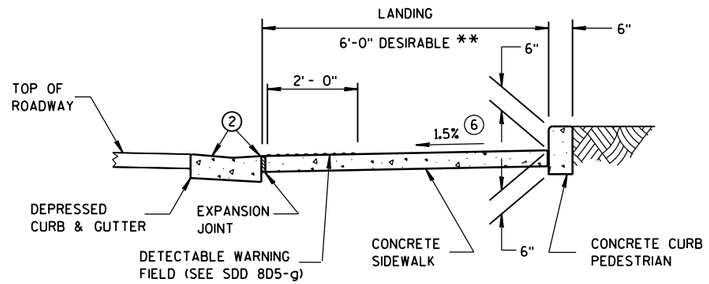


VIEW A-A

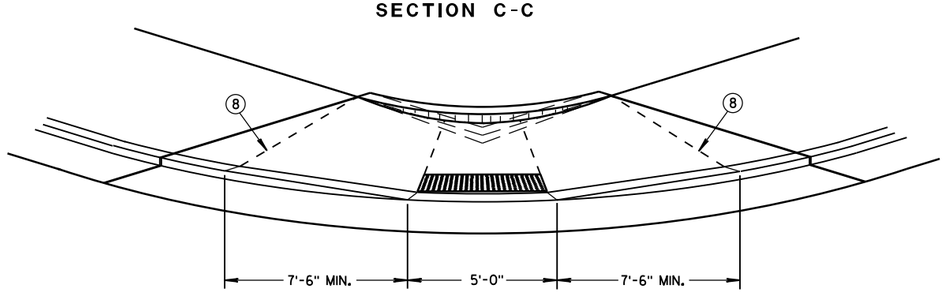
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

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

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

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

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

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

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

LEGEND

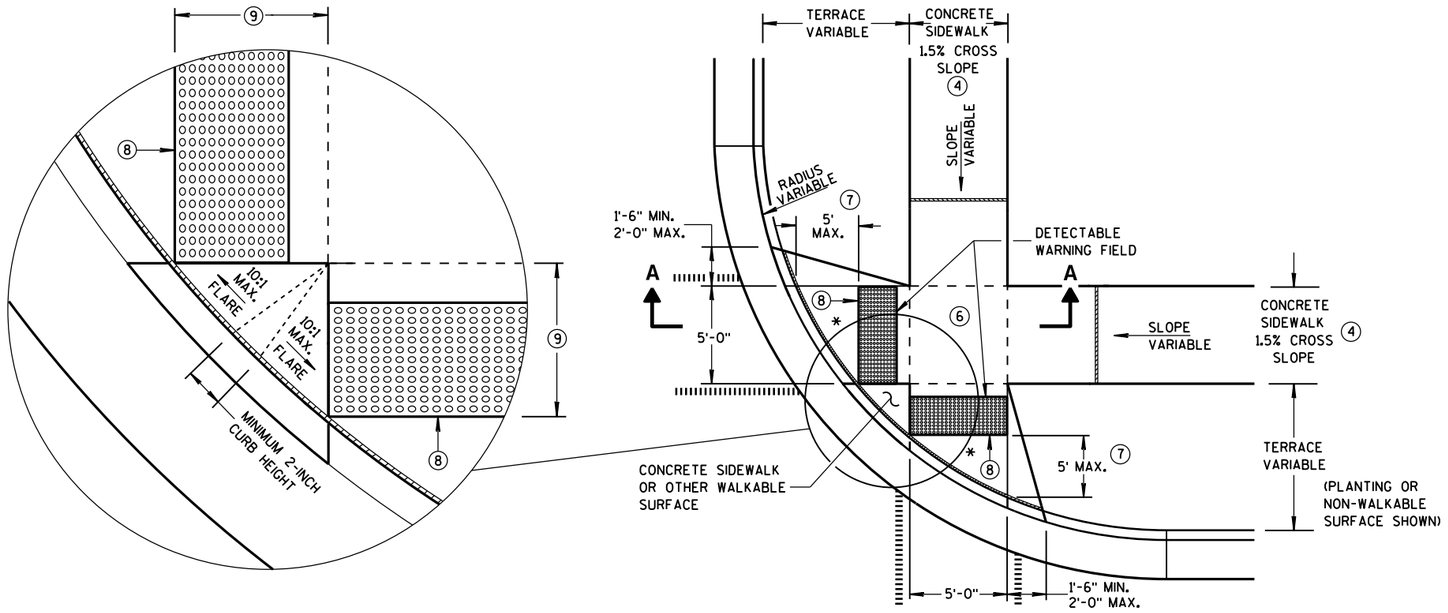
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

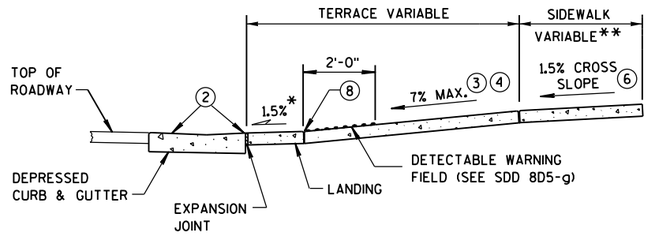
6

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



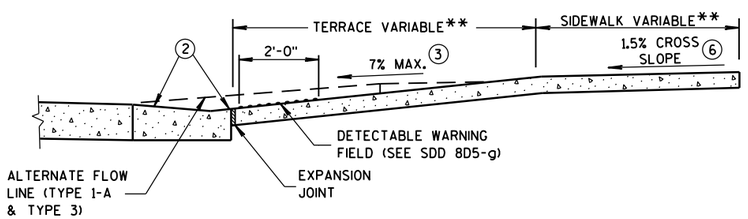
PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)

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



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

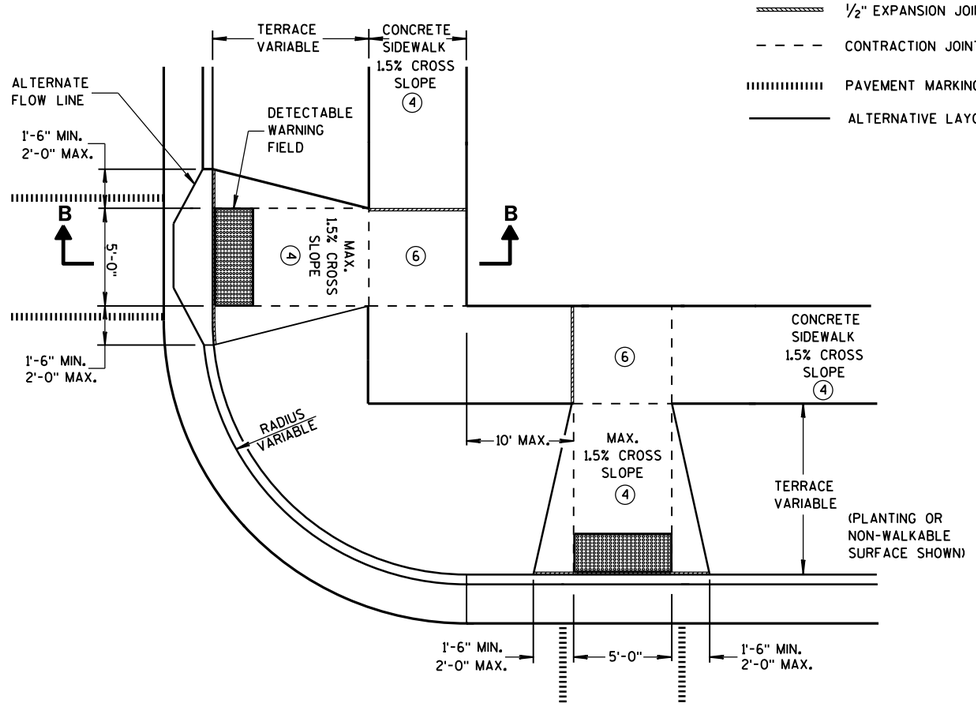
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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

LEGEND

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



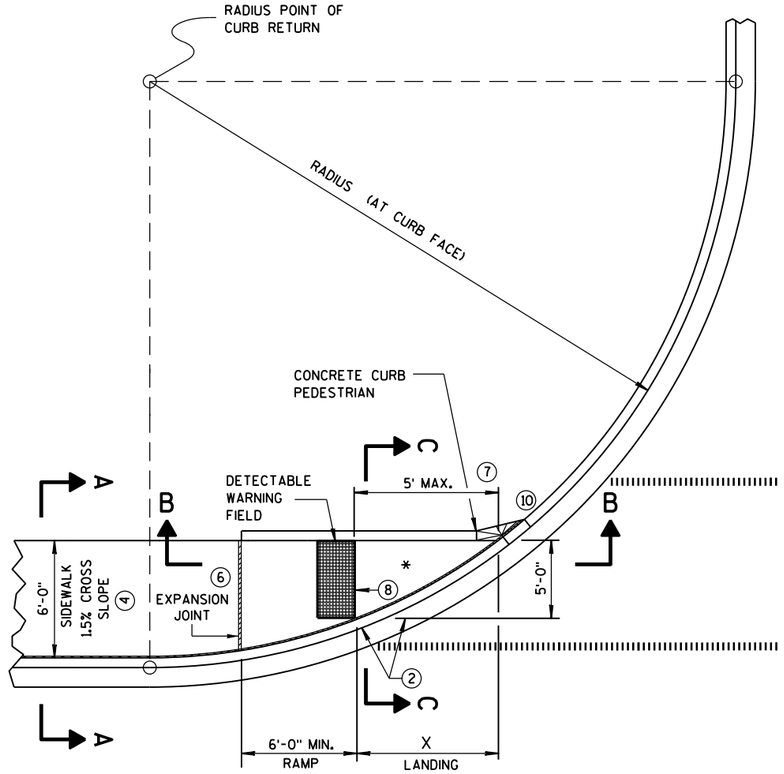
PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

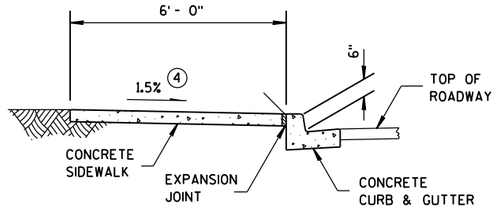
S.D.D. 8 D 5-19b



CURB RAMP TYPE 4A
PLAN VIEW

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.

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) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

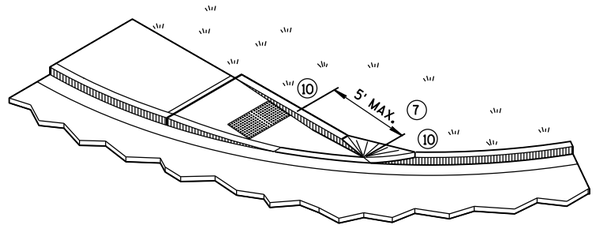
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

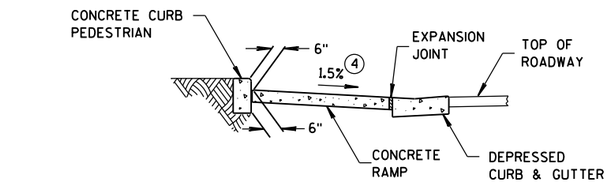
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

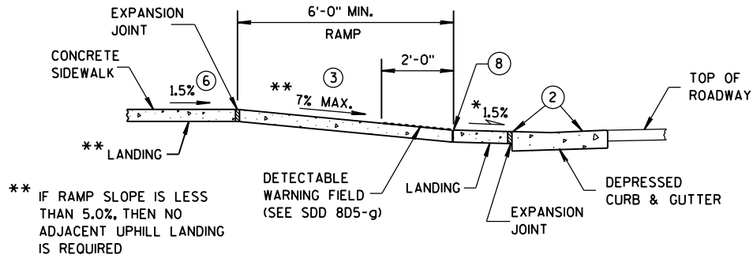
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4A



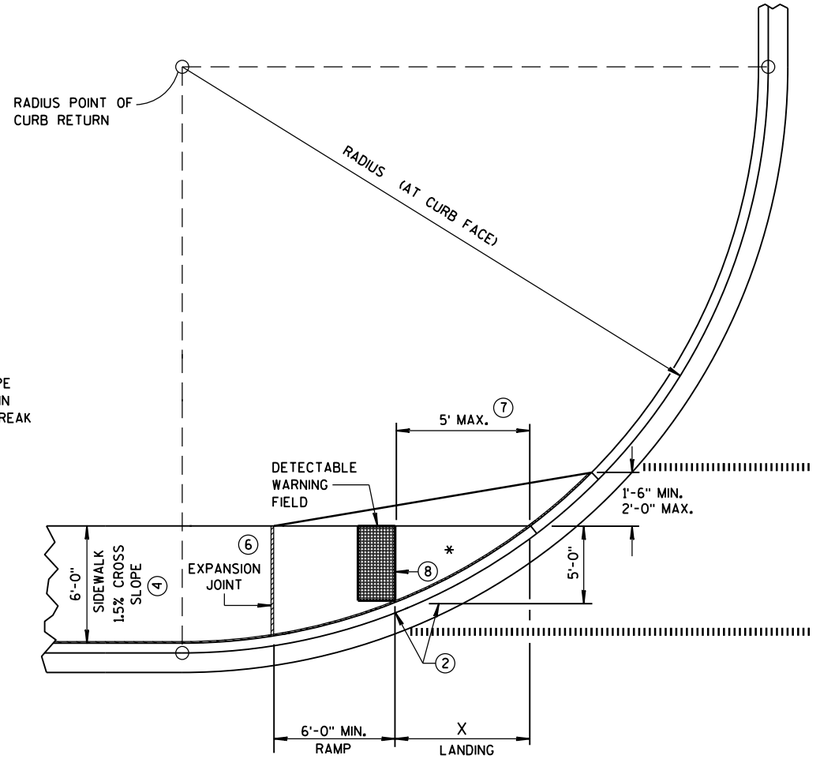
SECTION C-C FOR TYPE 4A



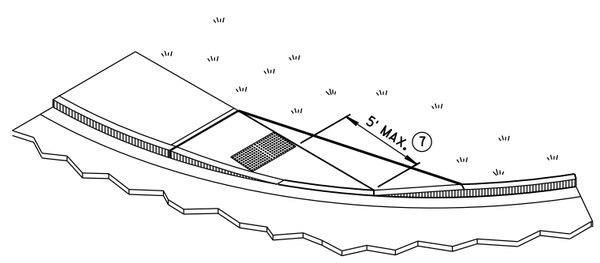
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4A

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



CURB RAMP TYPE 4A1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

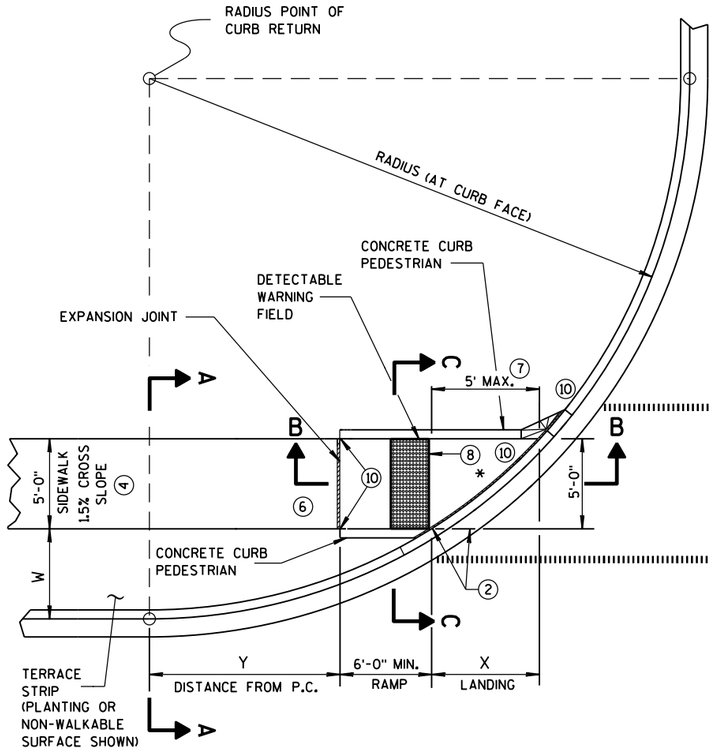
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

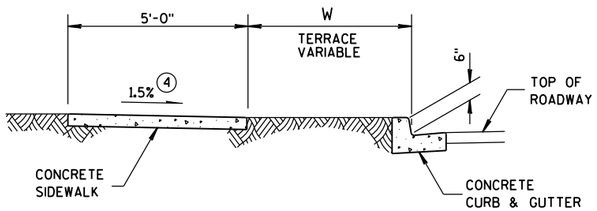
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

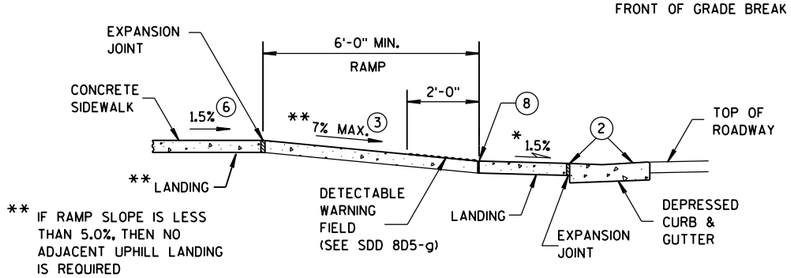
S.D.D. 8 D 5-19c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



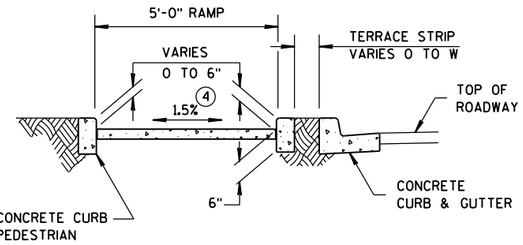
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

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

SECTION B-B FOR 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'-10¼"	0'-5"	2'-1"	1'-4½"	1'-5"	2'-1"	0'-10"	2'-7½"	0'-3¼"	3'-0¼"						
15 FEET	4'-6¾"	2'-1¾"	3'-9"	3'-5¼"	3'-1¼"	4'-6"	2'-6¾"	5'-4½"	2'-1"	6'-1"	1'-8"	6'-8½"	1'-3¼"	7'-2½"	0'-10¾"	7'-7¼"
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-7"	3'-3"	8'-6½"	2'-10"	9'-4½"	2'-5½"	10'-1¼"	2'-1¼"	10'-9"
30 FEET			6'-9¼"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"	4'-5½"	13'-7¾"	4'-0¾"	14'-8½"	3'-8½"	15'-8¼"
40 FEET									6'-1¾"	15'-8½"	5'-8"	17'-2"	5'-3"	18'-5¾"	4'-10¾"	19'-8¼"
50 FEET															5'-10¼"	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

GENERAL NOTES

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

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

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

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

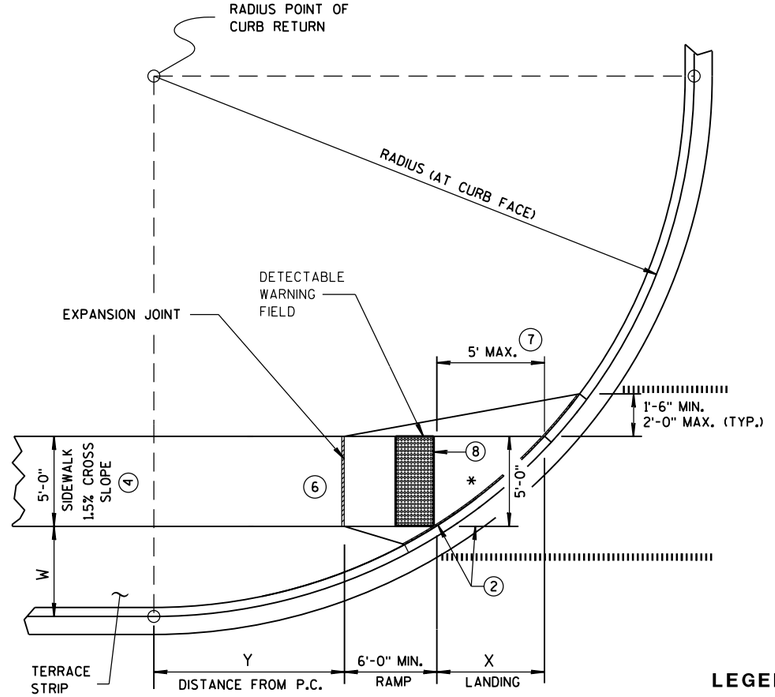
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

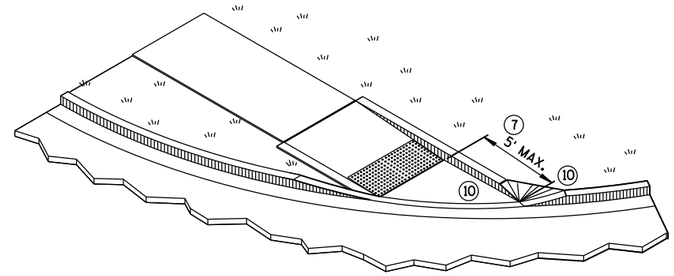
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

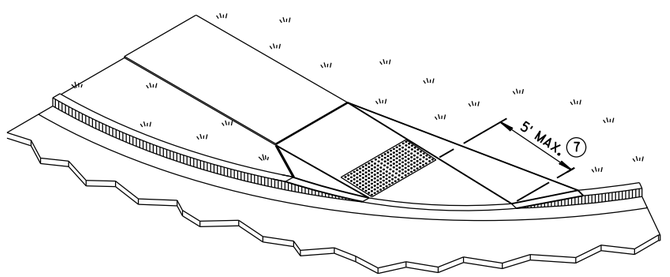
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

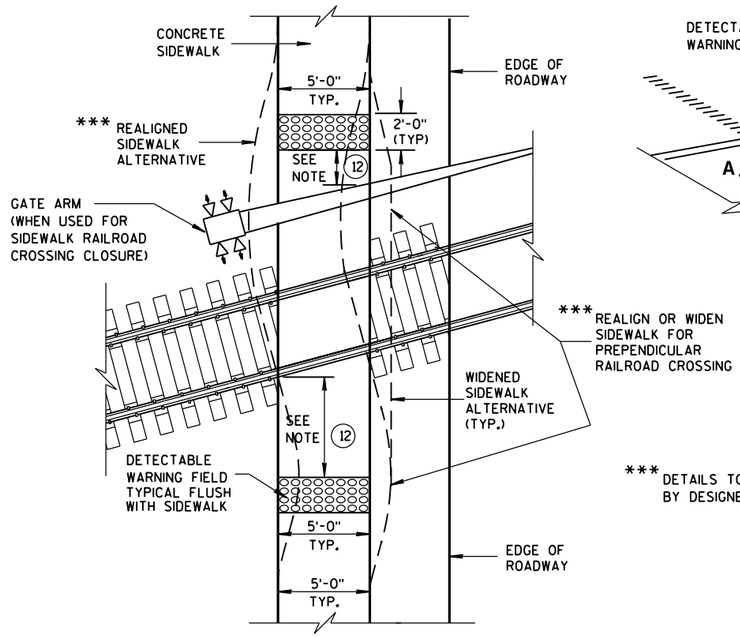
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

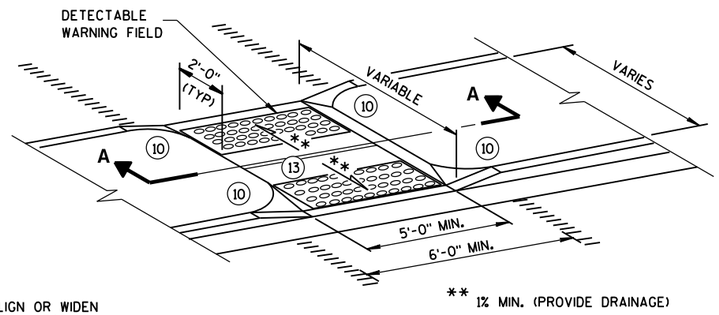
6

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



*** DETAILS TO BE DETERMINED BY DESIGNER

TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED PEDESTRIAN CROSSING
TYPE 5

GENERAL NOTES

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

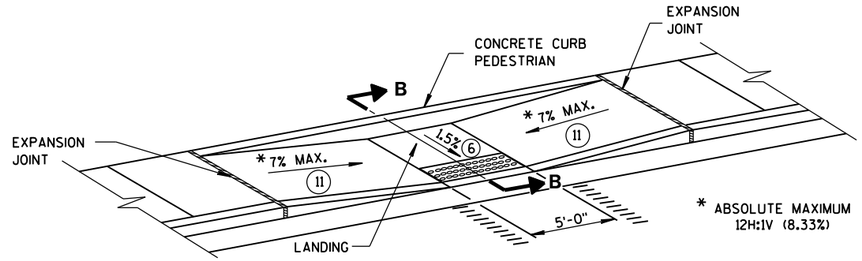
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

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

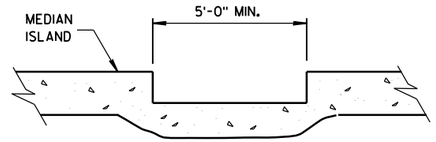
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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.

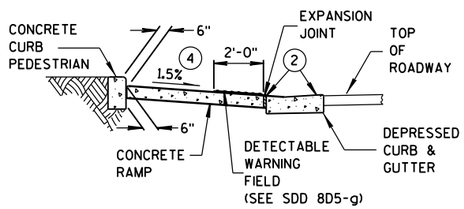
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



MID-BLOCK CROSSING
TYPE 7A

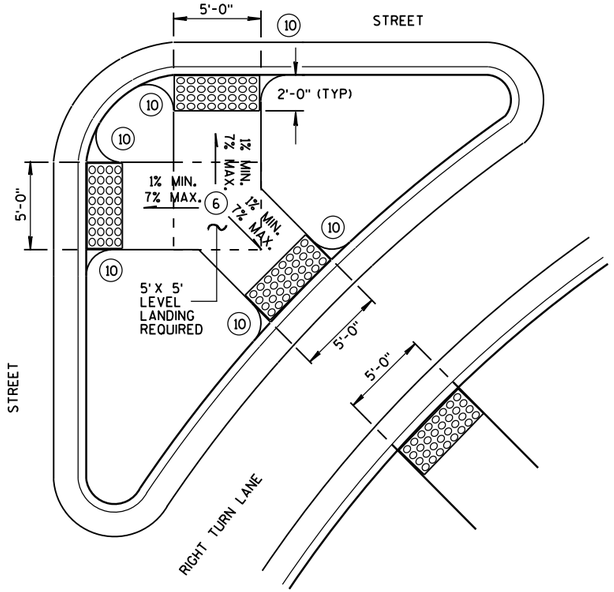


SECTION A-A

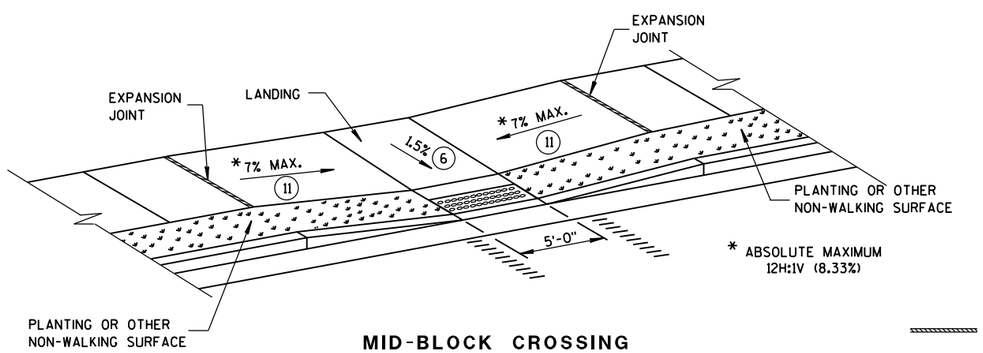


SECTION B-B

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



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

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

LEGEND

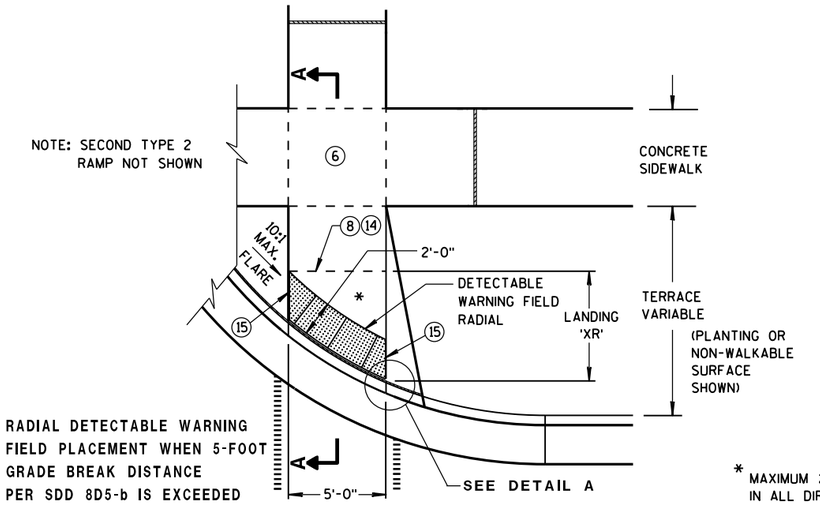
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-19e

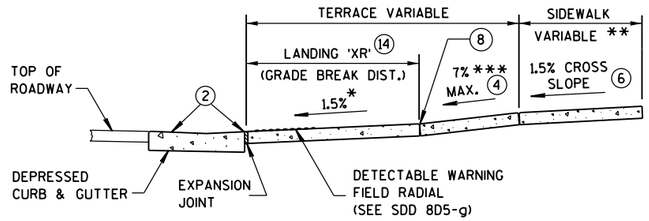


TYPE 2 RAMP
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)

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

LEGEND

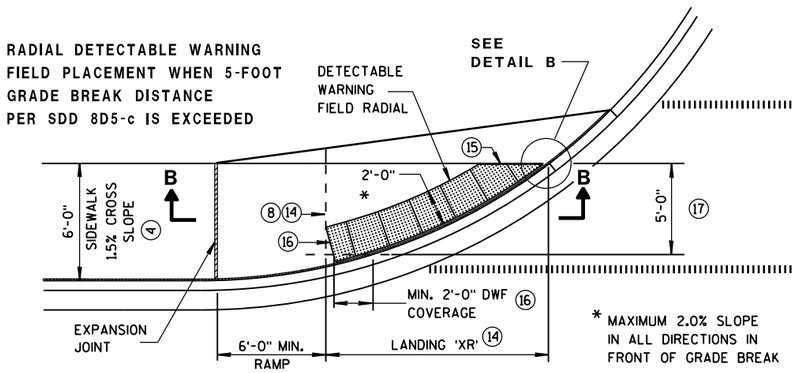
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



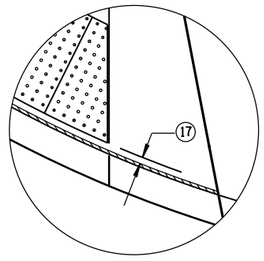
** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

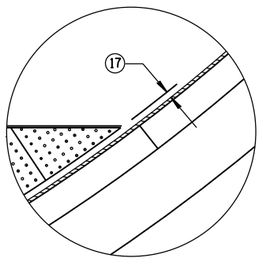
SECTION A-A



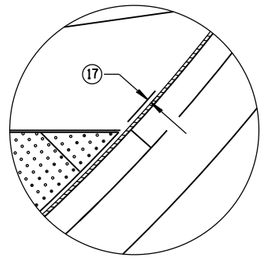
CURB RAMP TYPE 4A1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



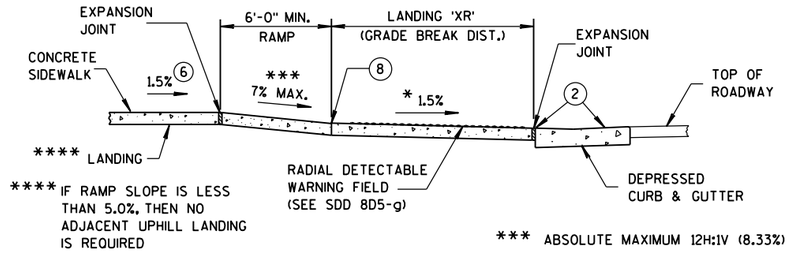
DETAIL A



DETAIL B



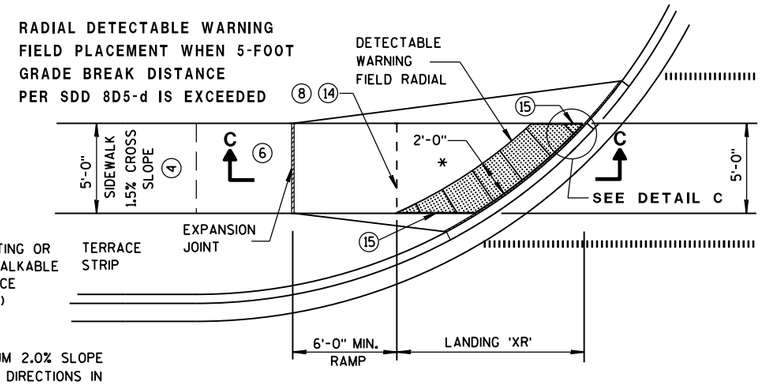
DETAIL C



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

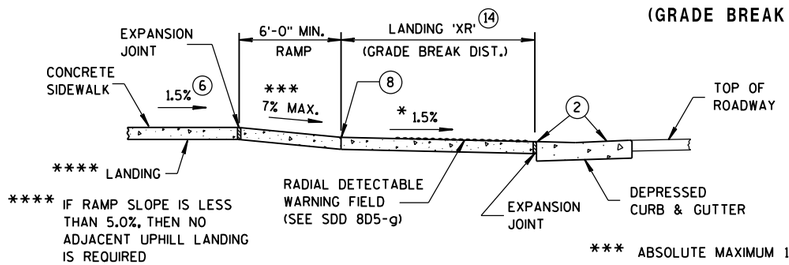
*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION B-B FOR TYPE 4A1



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

CURB RAMP TYPE 4B1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



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

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION C-C FOR TYPE 4B1

GENERAL NOTES

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

DETECTABLE WARNING FIELDS (DWFs) 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 FIELD ARE PROHIBITED.

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

(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) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

(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 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

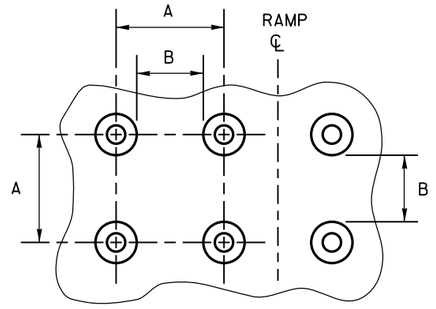
(16) USE 1'X 2' RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2'-0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

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

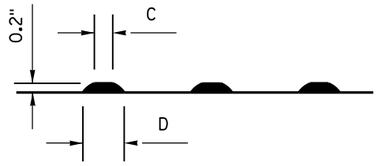
CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

	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

GENERAL NOTES

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

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

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

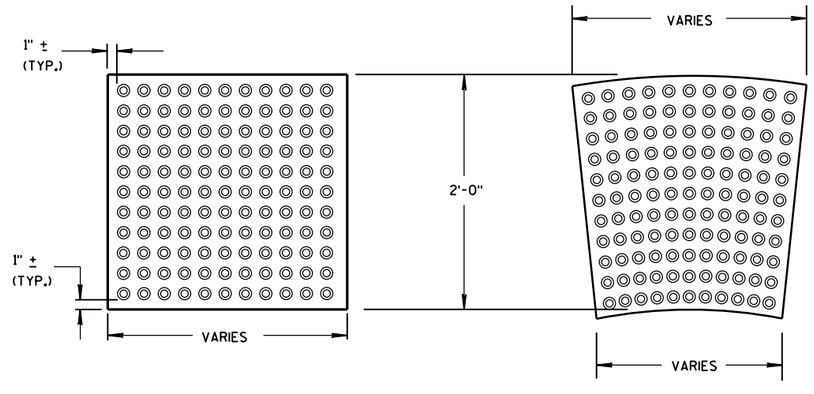
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

⑮ FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

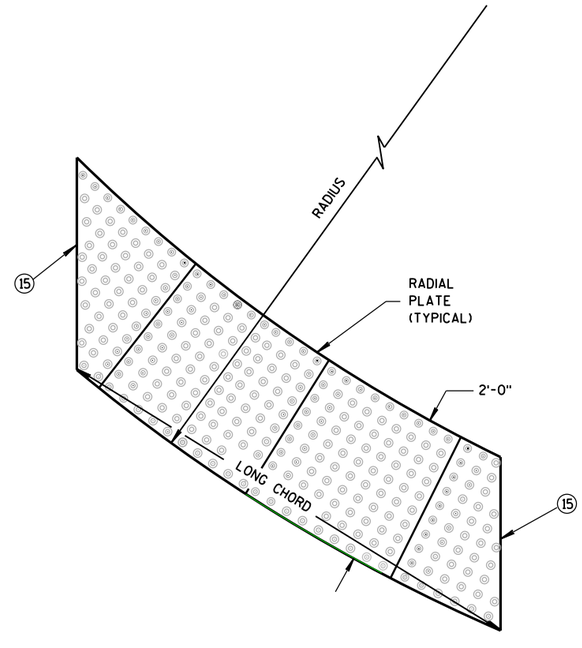


RECTANGULAR PLATES

RADIAL PLATES

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW



RADIAL DETECTABLE WARNING FIELD ATTRIBUTES

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERV
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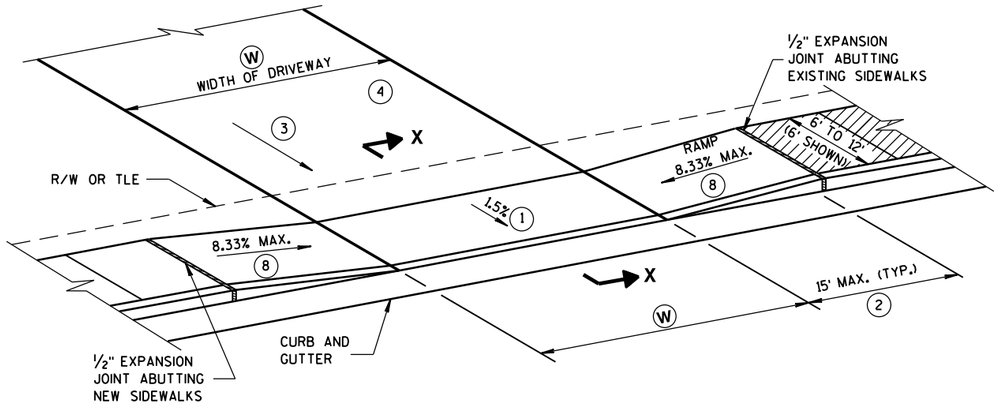
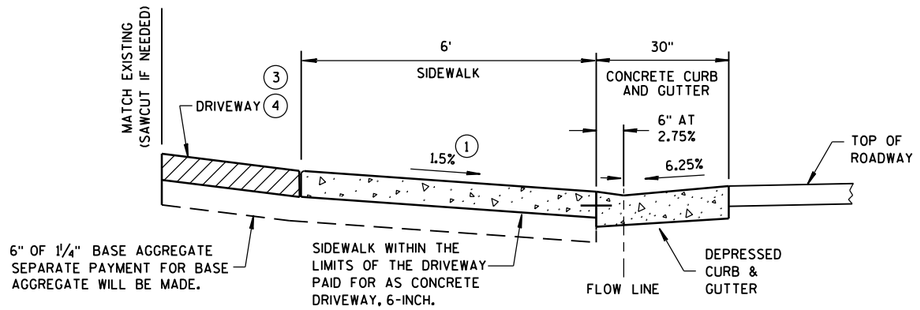
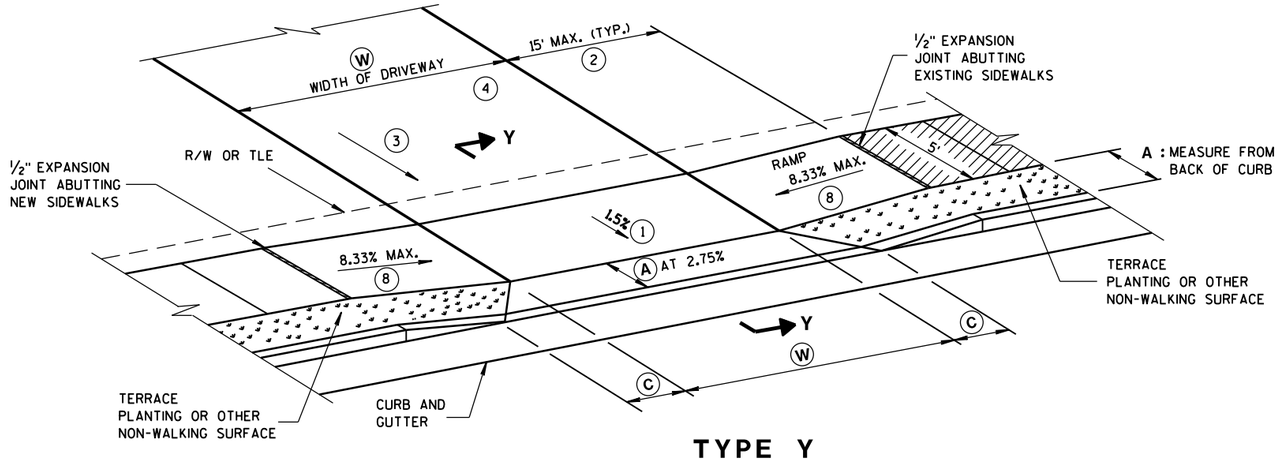


TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X

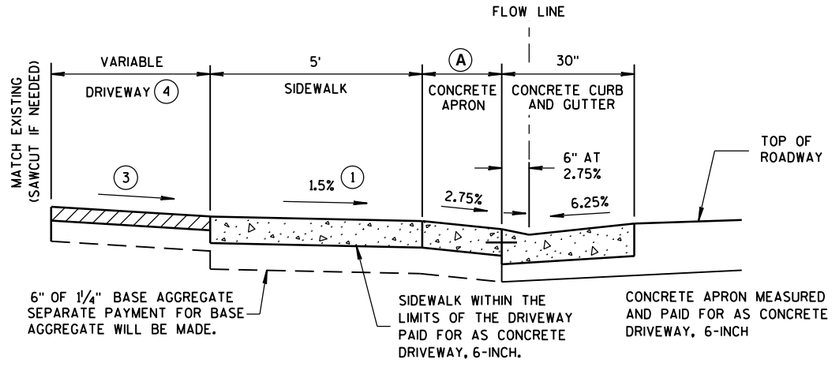


TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

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

GENERAL NOTES

1. CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
2. THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.
3. DRIVEWAY SLOPES: DESIRABLE MAXIMUM
   - 10.5% UP AWAY FROM SIDEWALK (SAG)
   - 8.5% DOWN AWAY FROM SIDEWALK (CREST)
   - ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG
4. DRIVEWAY TYPES
   - 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
   - 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
   - 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)
5. PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.
6. (W) IS SHOWN ON PLAN AND PROFILE SHEETS.
7. OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.
8. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y

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

TABLE Y

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

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS
TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS UNIT SUPERV
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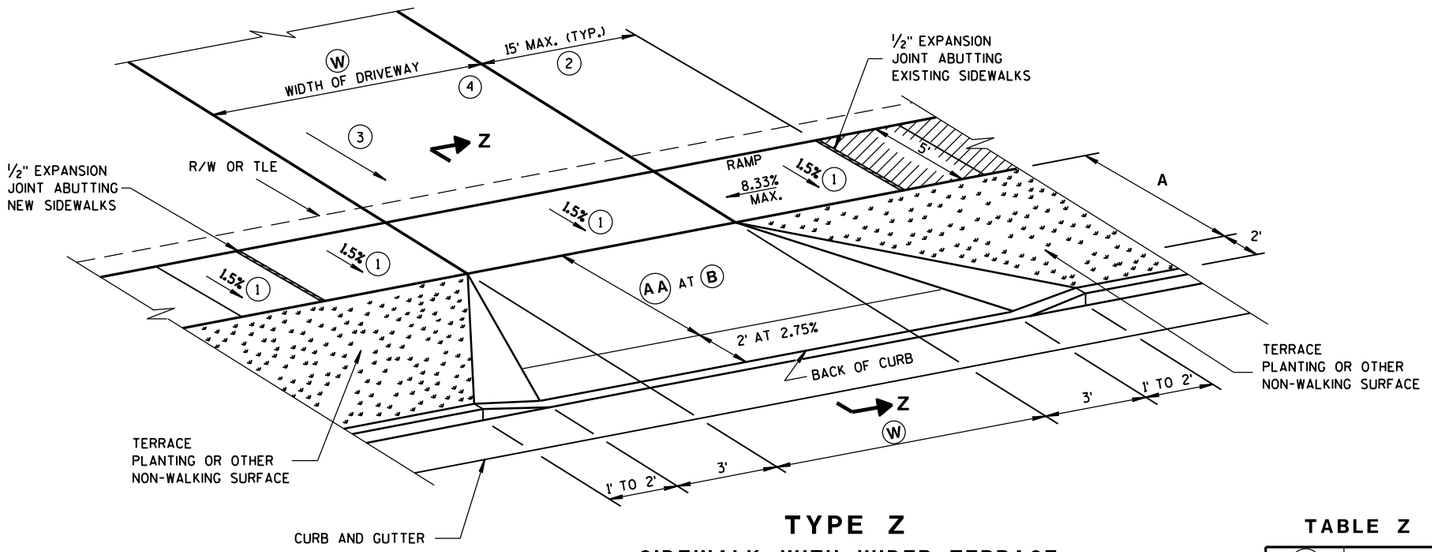


TYPE Z

SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

TABLE Z

(AA) FEET	(B) %
4.5'	11.5%
5.5'	9-11.5%
6.5'	8-11.5%
7.5'	7-11.5%
8.5'	6-11.5%
9.5'	5-11.5%

GENERAL NOTES

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

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

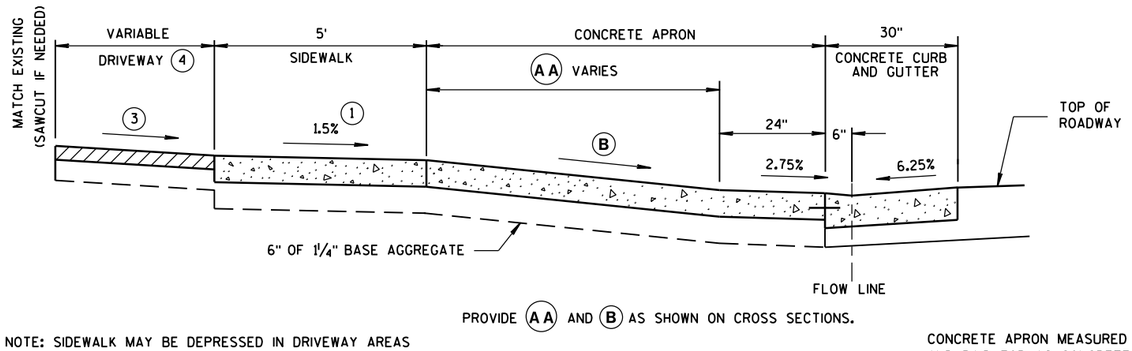
(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

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

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

(6) (W) IS SHOWN ON PLAN AND PROFILE SHEETS.

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



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR **B** VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY, 6-INCH.

SEPARATE PAYMENT FOR BASE AGGREGATE WILL BE MADE.

CONCRETE APRON MEASURED AND PAID FOR AS CONCRETE DRIVEWAY, 6-INCH

SECTION Z-Z

DRIVEWAY DETAIL WITH CONCRETE CURB & GUTTER

(URBAN AND SUBURBAN)

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

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
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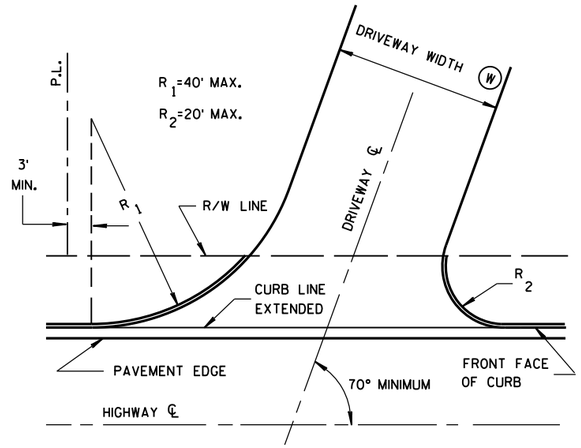
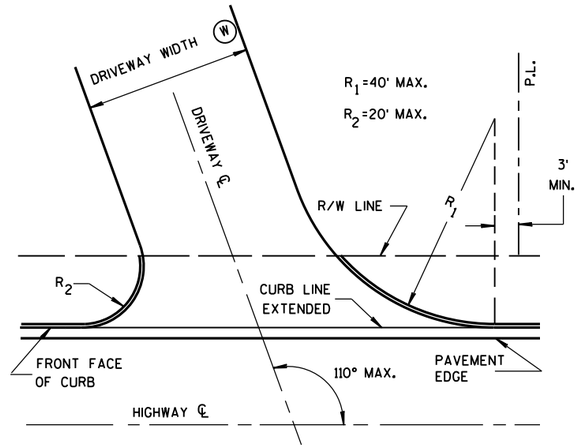
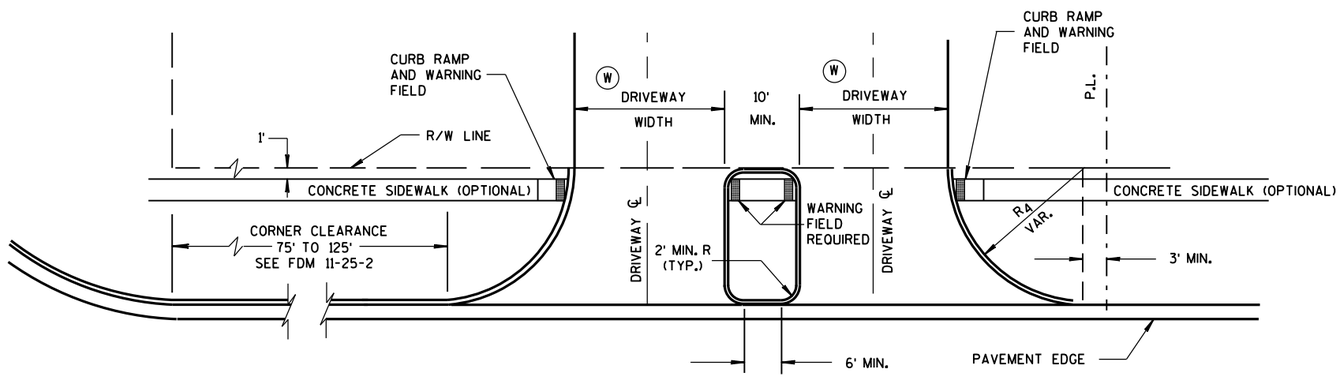




SKEWED DRIVEWAY DETAILS
(COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

Ⓦ DRIVEWAY WIDTHS:

COMMERCIAL - 35' MAX., 16' MIN.

RESIDENTIAL AND NON-COMMERCIAL - 24' MAX., 12' MIN.

DRIVEWAYS WITH CURB & GUTTER RETURNS

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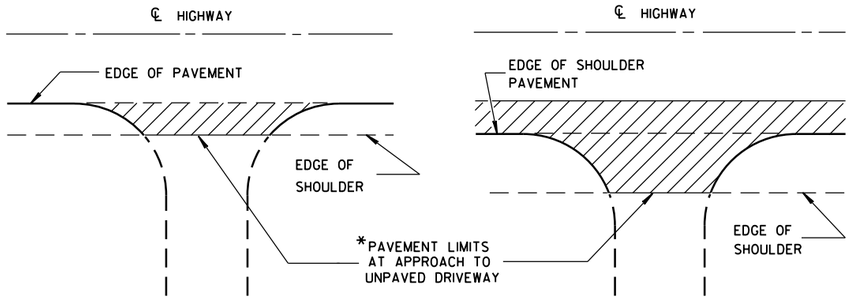
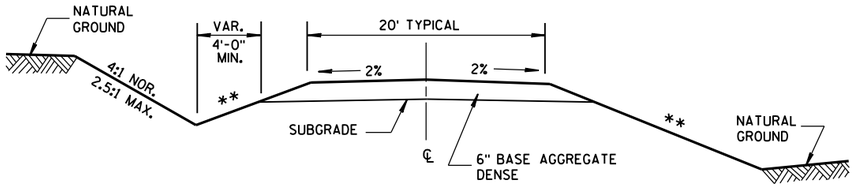


*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW
(UNPAVED SHOULDER ON HIGHWAY)

PLAN VIEW
(PAVED SHOULDER ON HIGHWAY)

RURAL DRIVEWAY INTERSECTION DETAIL
(NO CURB & GUTTER OR SIDEWALK)

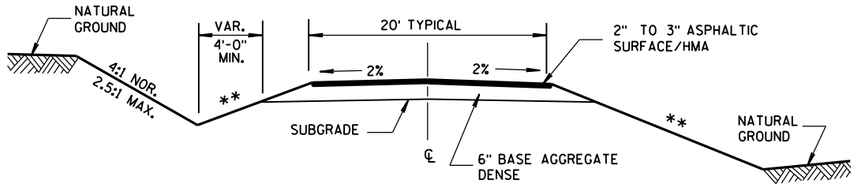


IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE AGGREGATE SURFACE

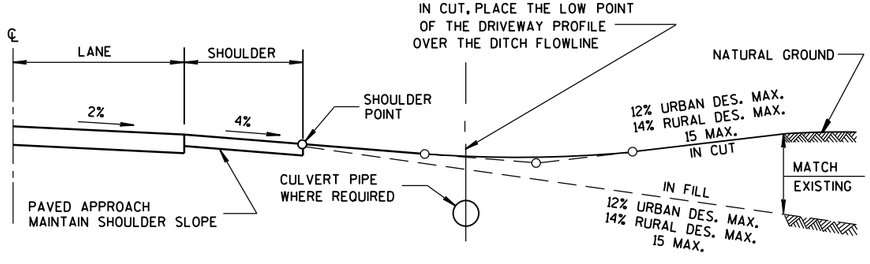
** SLOPE CAN VARY WITH SPEED. SEE 11-45-2.6.2.

POSTED SPEED MPH	MAX. SLOPE
<35	4:1
≥35 TO <60	6:1
≥60	10:1



IN CUT **IN FILL**

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE



TYPICAL DRIVEWAY PROFILES

DRIVEWAYS WITHOUT CURB & GUTTER

STATE OF WISCONSIN
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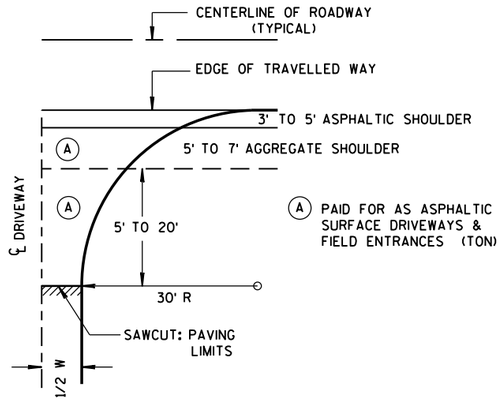
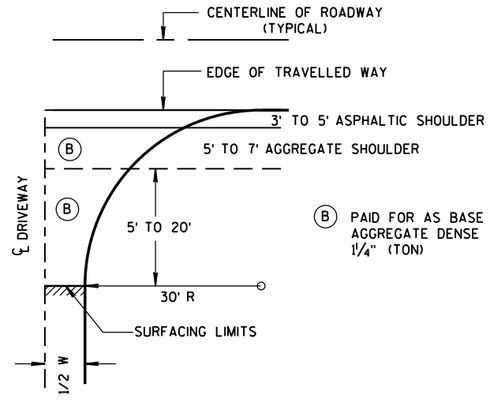


PLAN VIEW
HALF SECTION

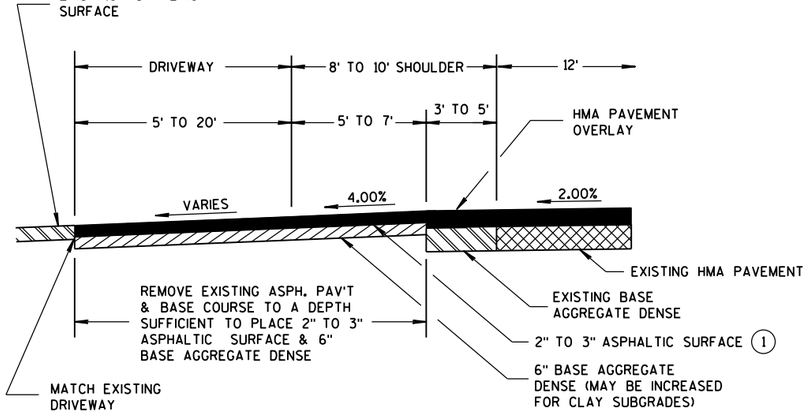
W MIN. = 16'
W MAX. = 24'



PLAN VIEW
HALF SECTION

GENERAL NOTES

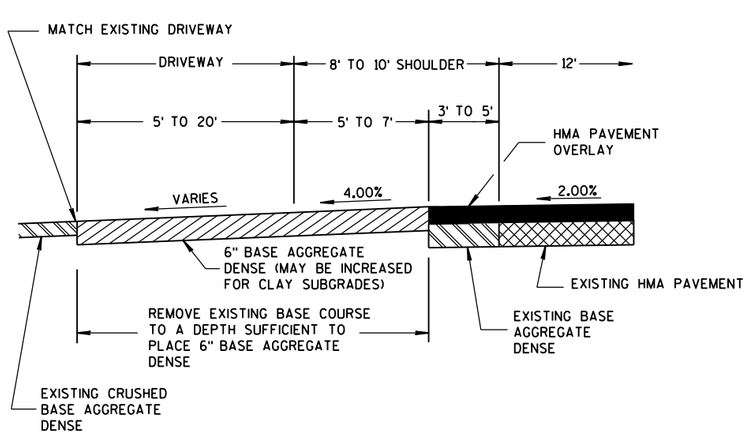
(1) DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.



PROFILE VIEW

RURAL ENTRANCE WITH ASPHALTIC SURFACE

RESURFACING PROJECTS



PROFILE VIEW

RURAL ENTRANCE WITH AGGREGATE SURFACE

6" BASE AGGREGATE DENSE
RESURFACING PROJECTS

DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
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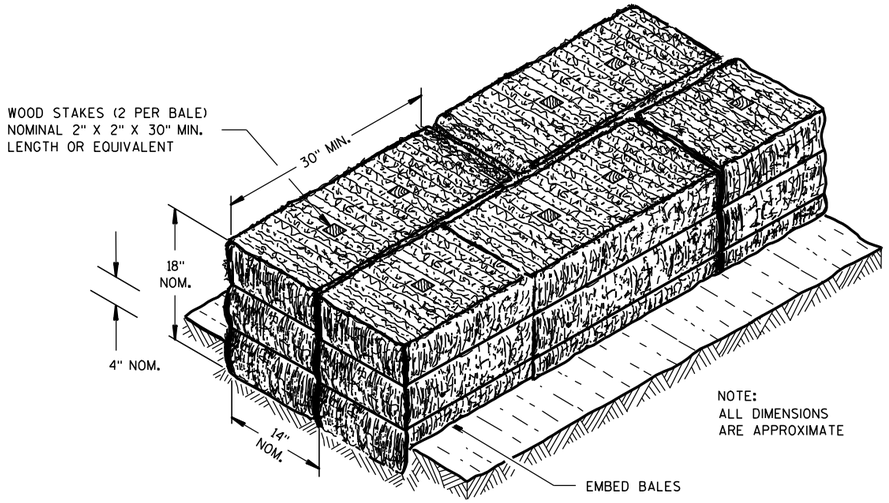
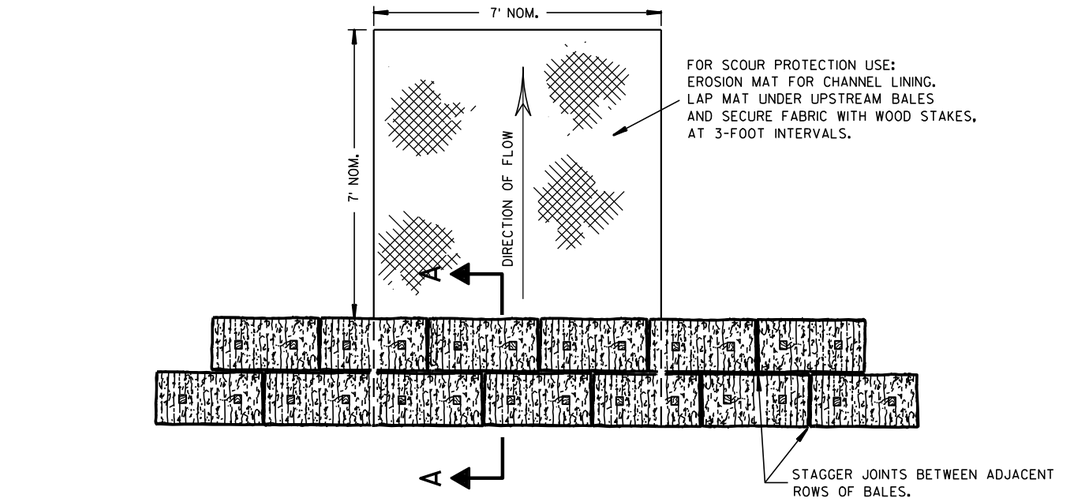
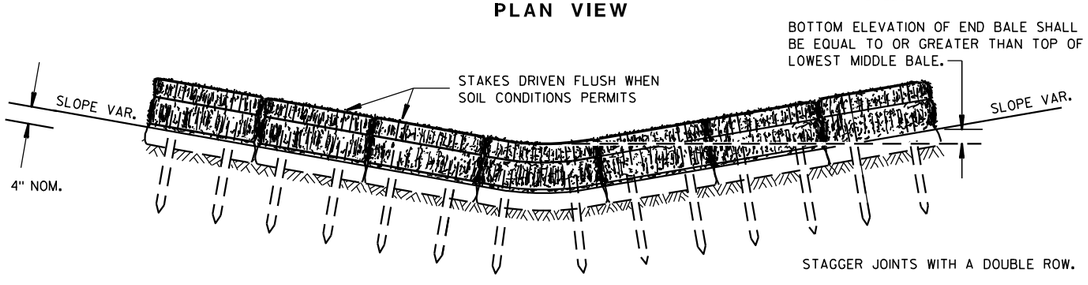


SECTION A-A



PLAN VIEW



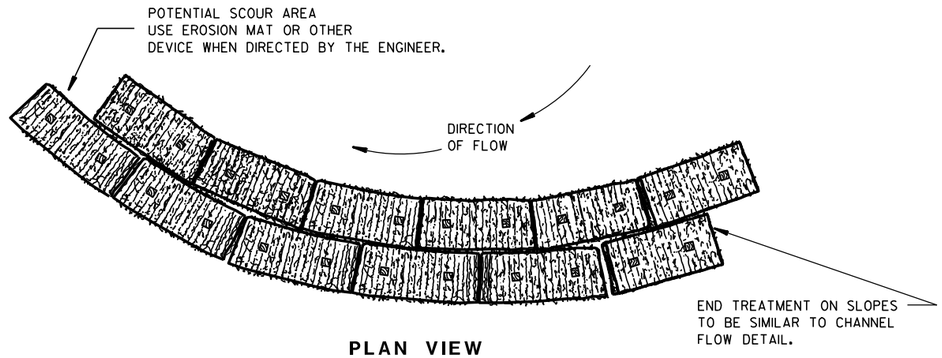
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

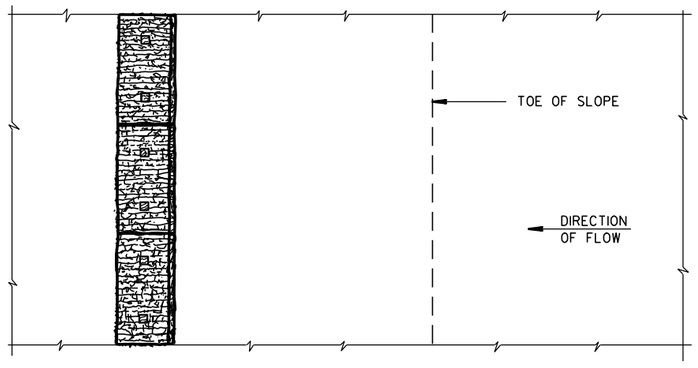
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

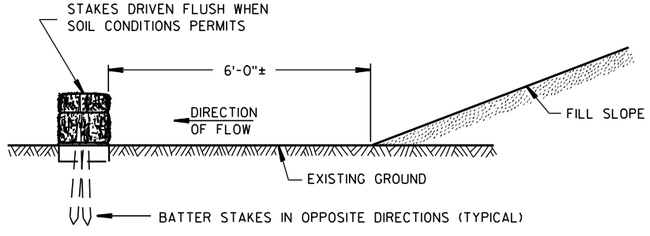


PLAN VIEW

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

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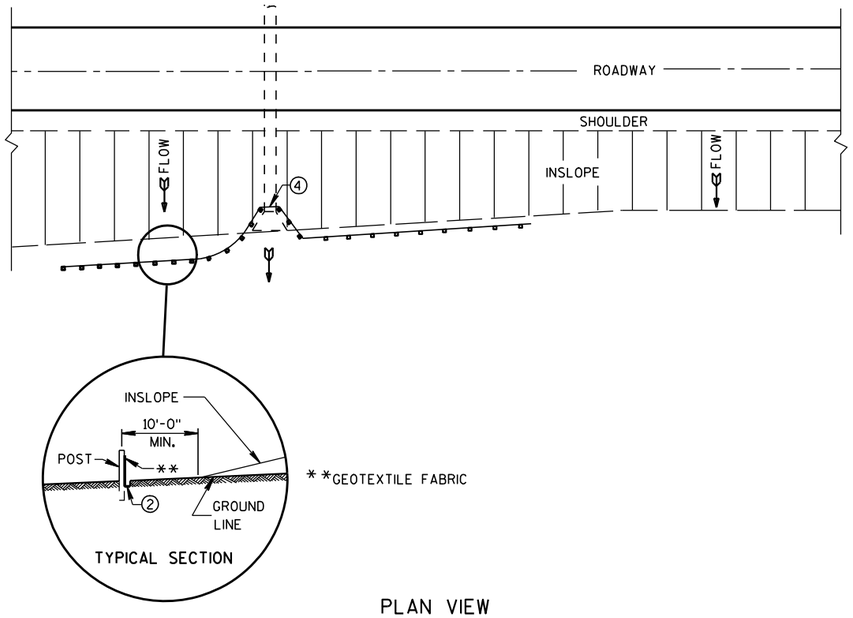
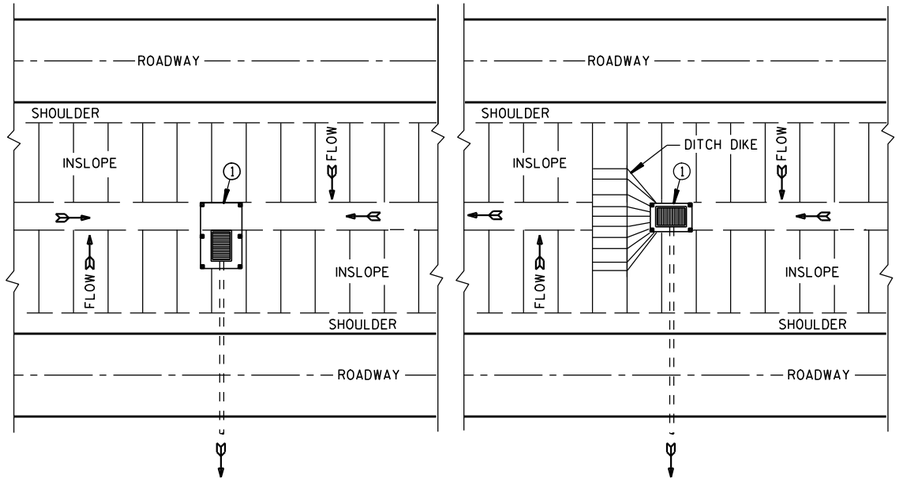


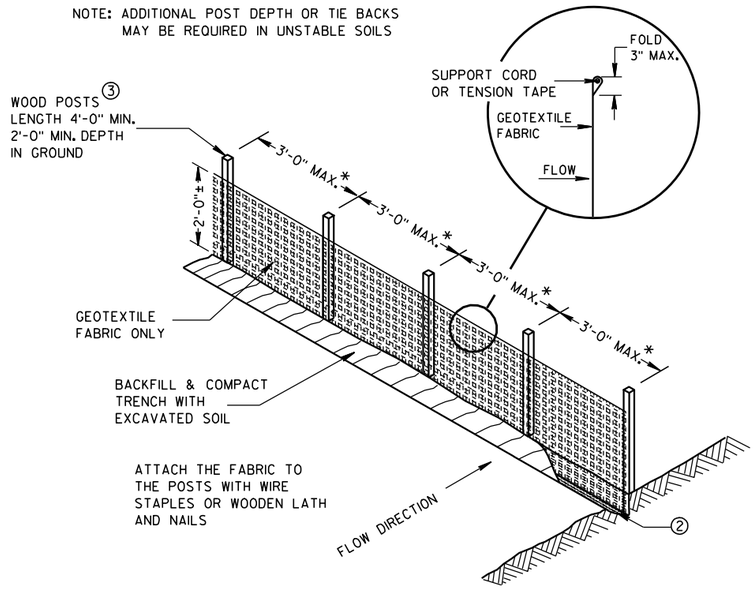
PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE

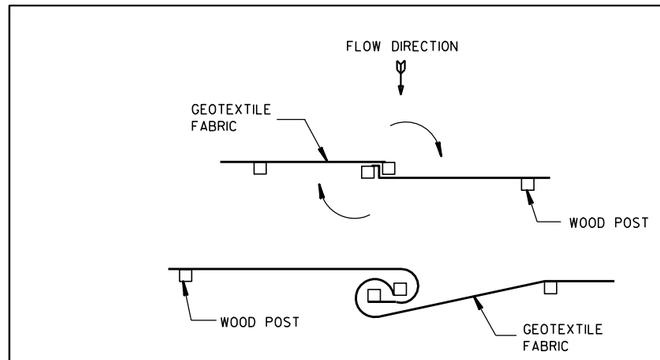


PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS



SILT FENCE

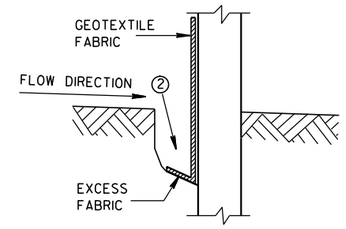


JOINING TWO LENGTHS OF SILT FENCE 5

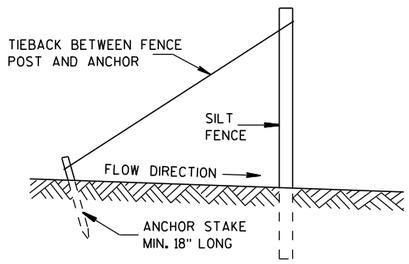
GENERAL NOTES

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

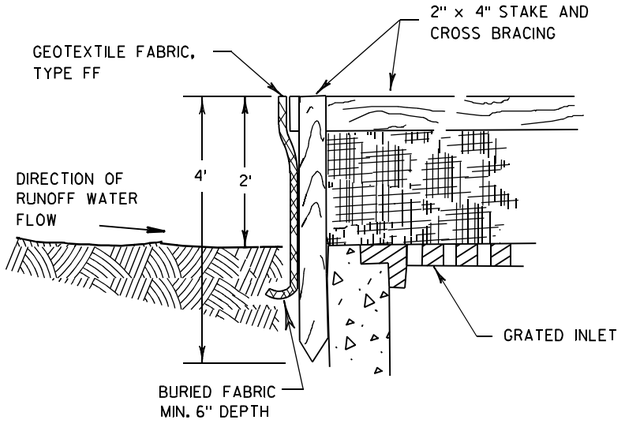
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

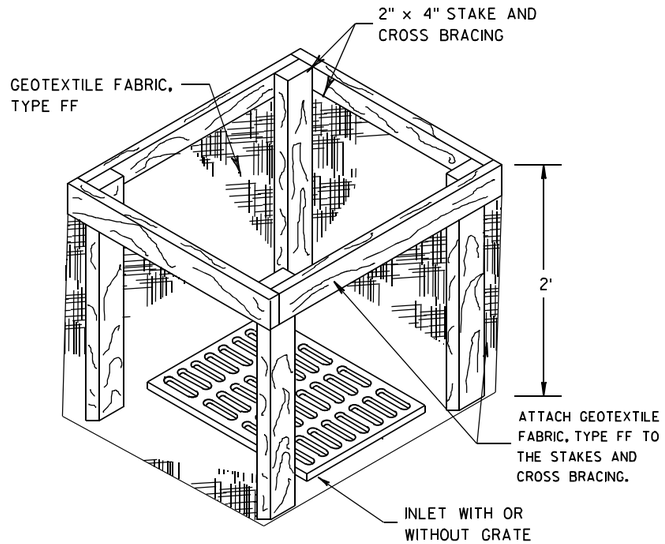
6

S.D.D. 8 E 9-6

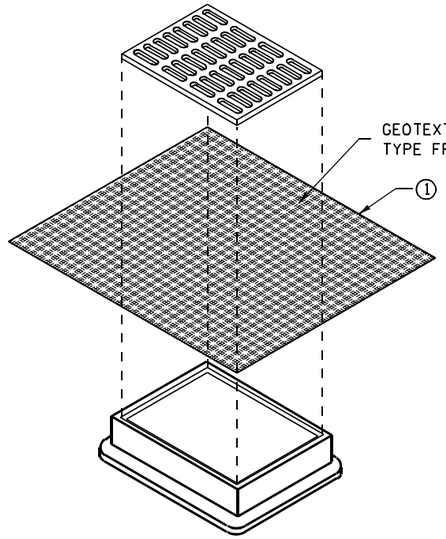
6

S.D.D. 8 E 9-6



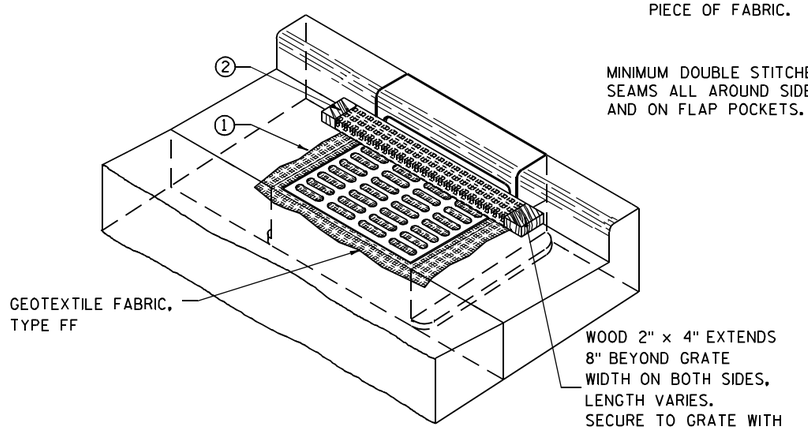


INLET PROTECTION, TYPE A

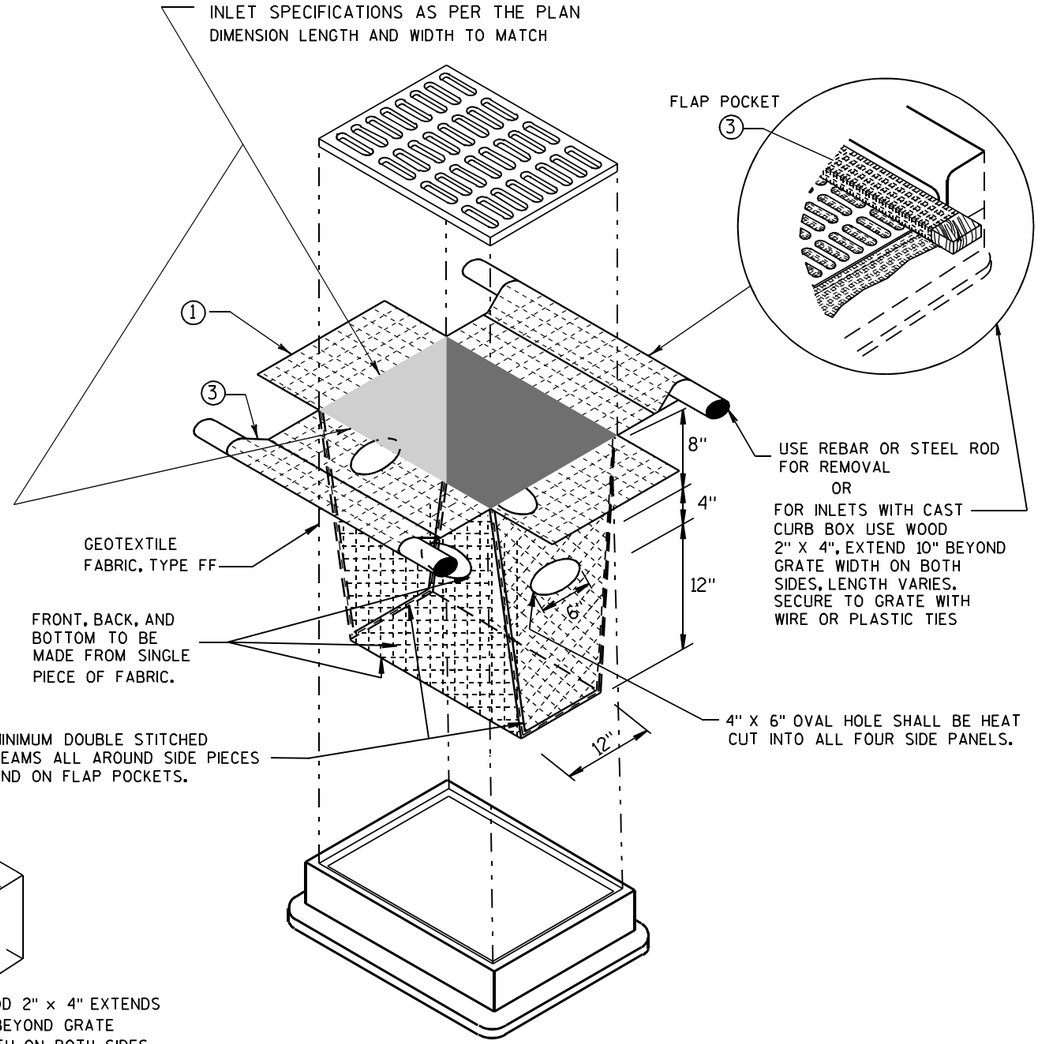


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

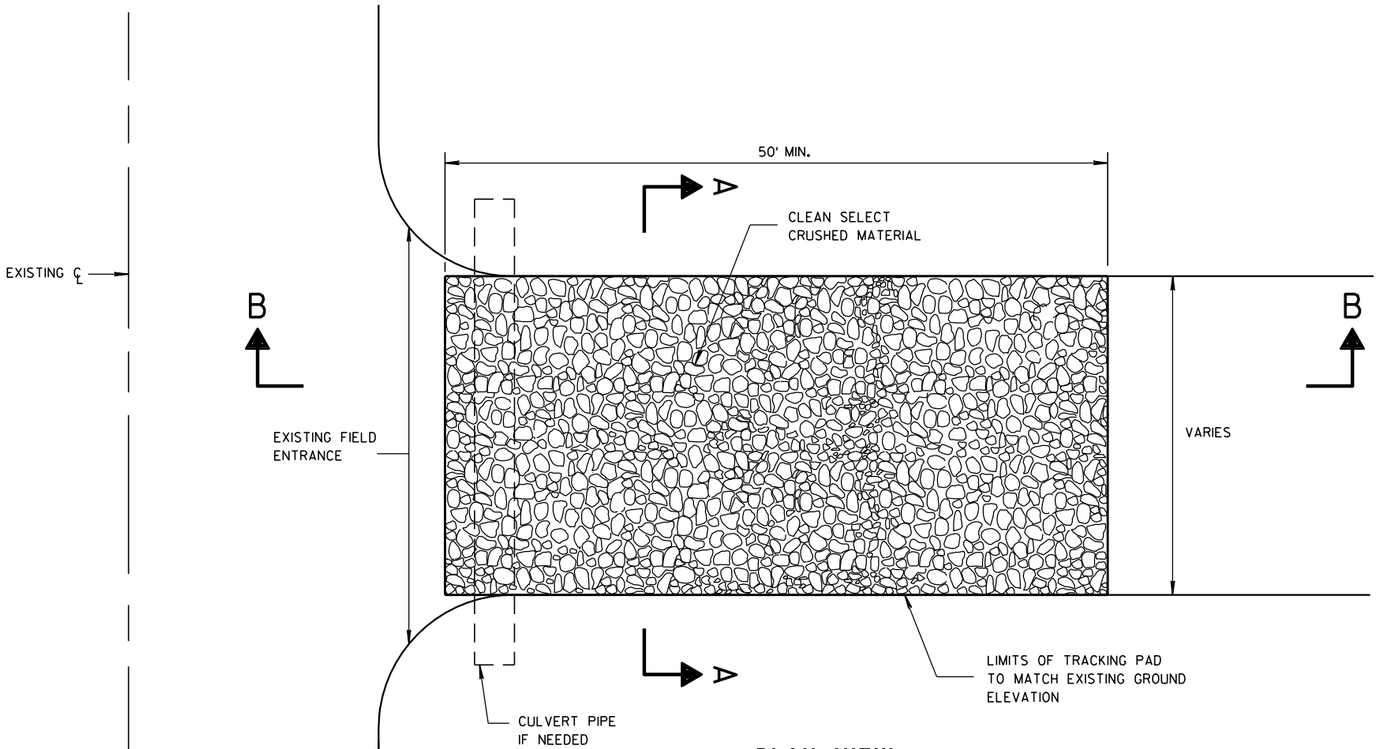
APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

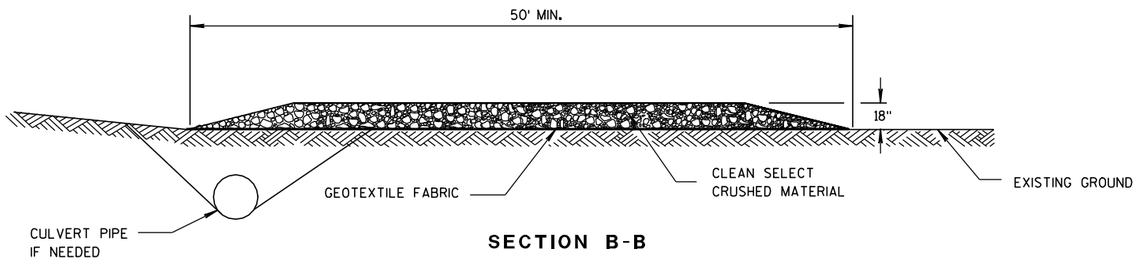
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



PLAN VIEW



SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

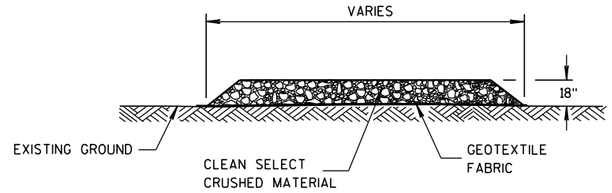
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

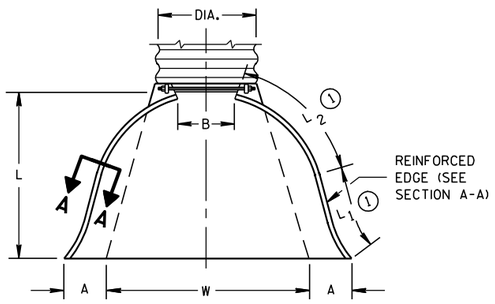
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

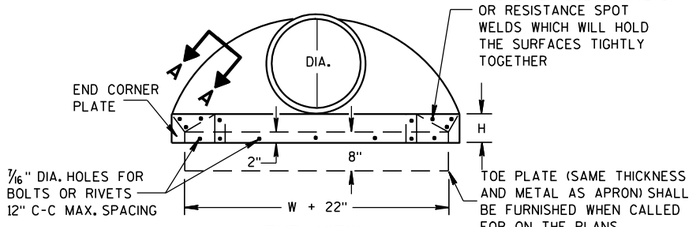
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

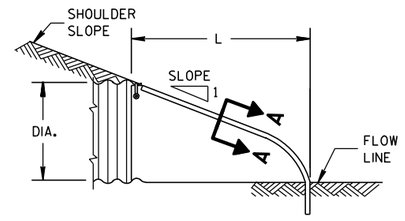
*MINIMUM
**MAXIMUM



PLAN VIEW

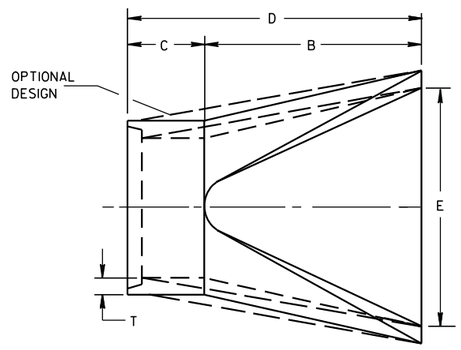


END VIEW

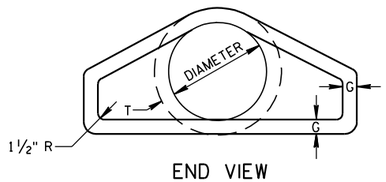


SIDE ELEVATION

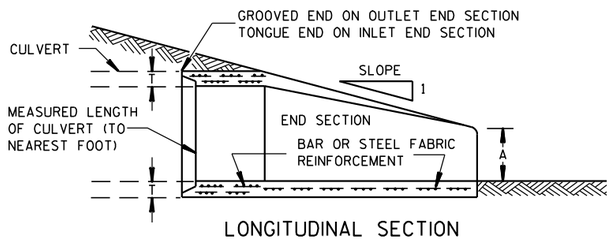
METAL ENDWALLS



PLAN

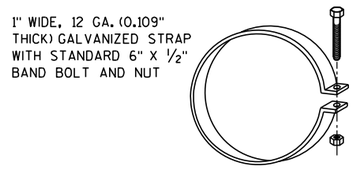


END VIEW



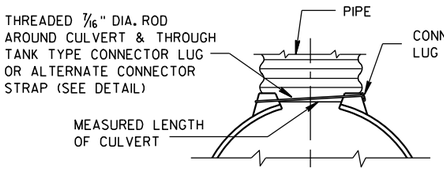
LONGITUDINAL SECTION

CONCRETE ENDWALLS

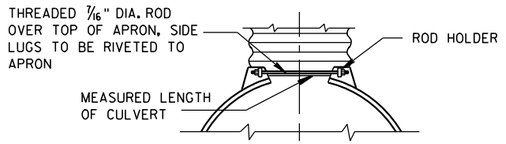


ALTERNATE FOR TYPE 1 CONNECTION

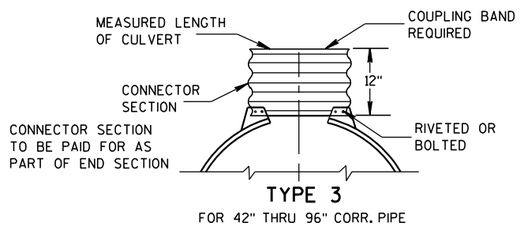
END SECTION CONNECTOR STRAP



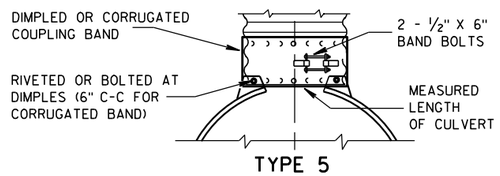
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

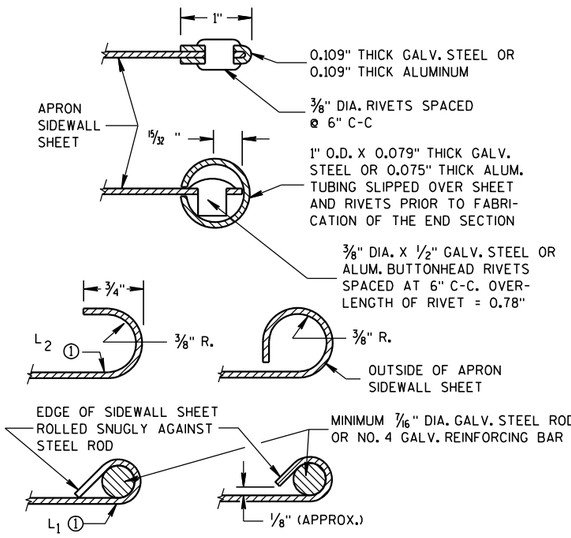
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

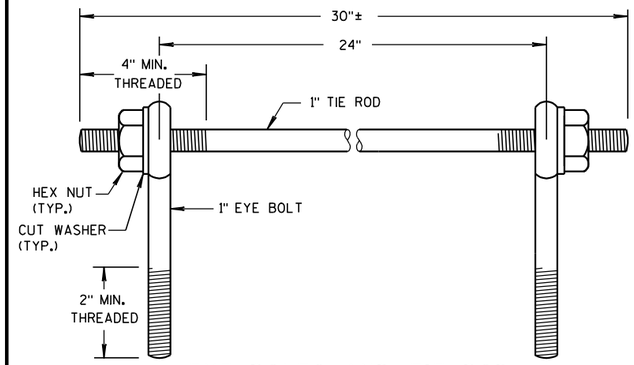
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

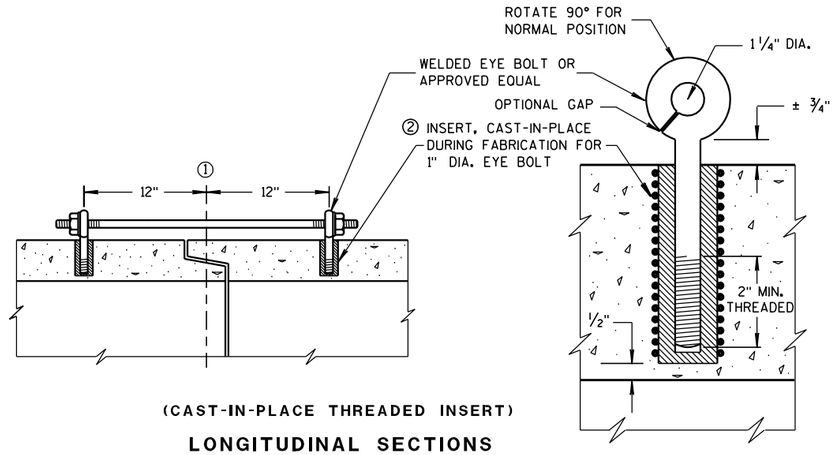
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

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

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

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

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

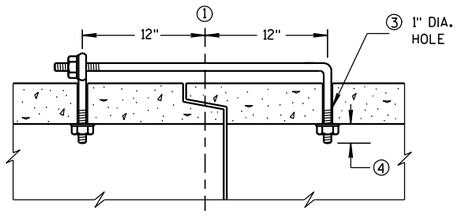
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

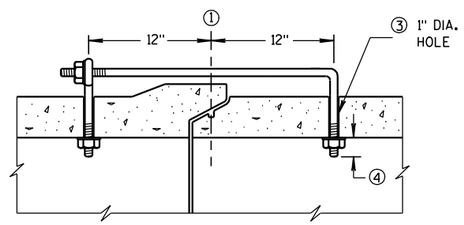
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

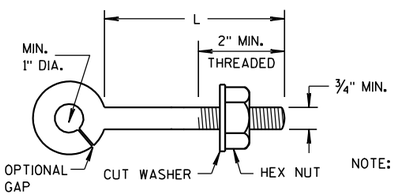


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

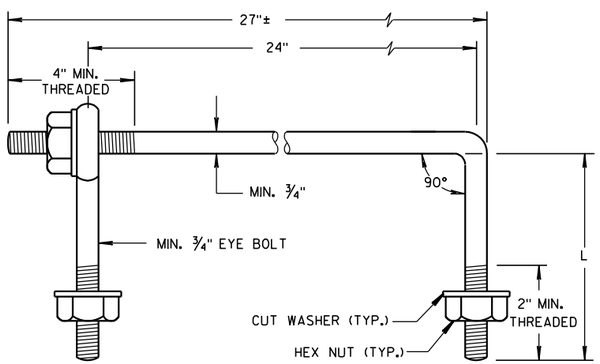
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

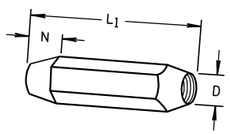
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



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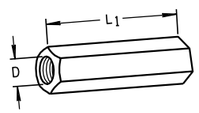
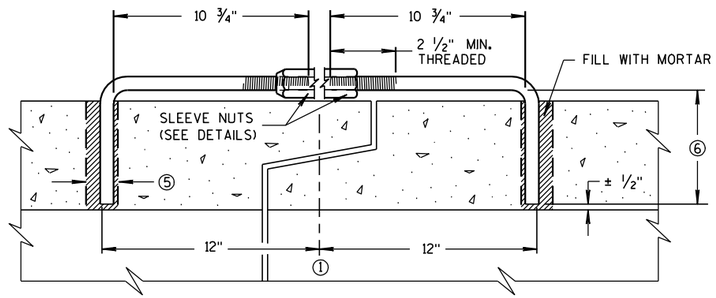


PLAIN

RIGHT AND LEFT THREADS

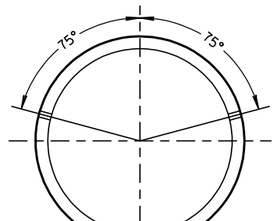
SLEEVE NUTS



LONGITUDINAL SECTION

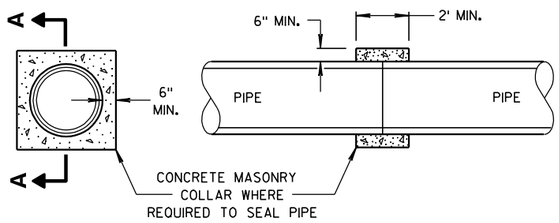
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

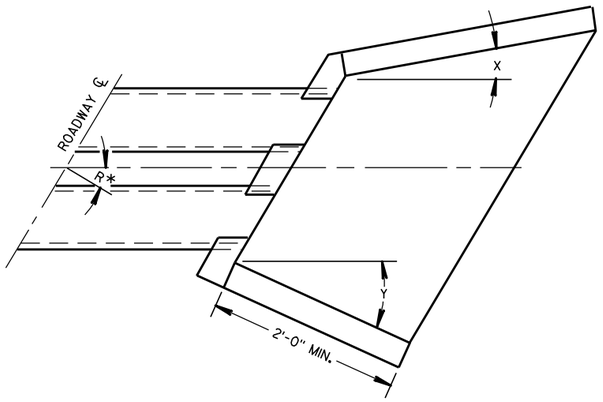
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
307
FHWA

6

S.D.D. 8 F 4-7



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.

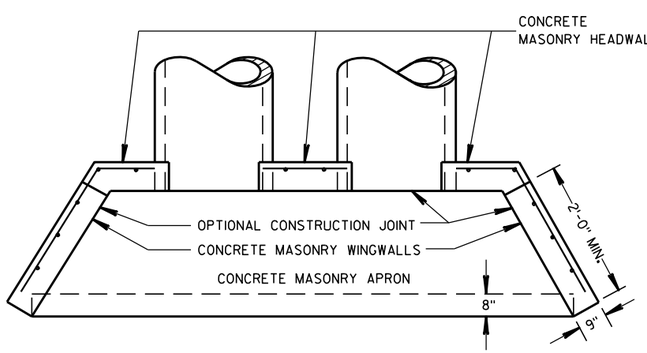
FILL SLOPES FLATTER THAN 2 ½:1 SHALL BE WARPED TO MEET THE TOP OF THE WINGWALLS.

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.

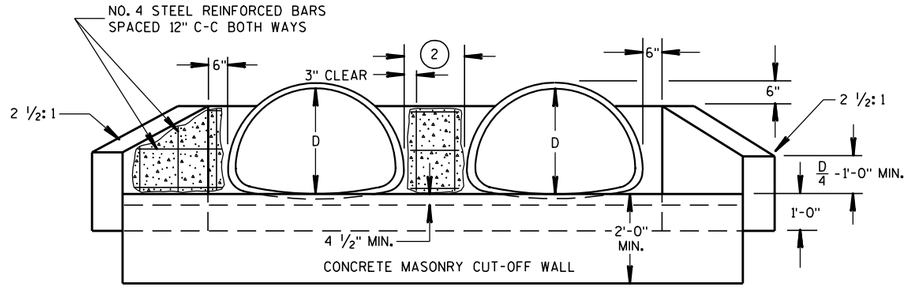
(2) THE SPACE BETWEEN PIPES SHALL BE AS FOLLOWS:

DIAMETER OR SPAN	SPACE
UP TO AND INCLUDING 48"	2'-0"
OVER 48" TO 72"	½ DIA. OR SPAN
OVER 72"	3'-0"



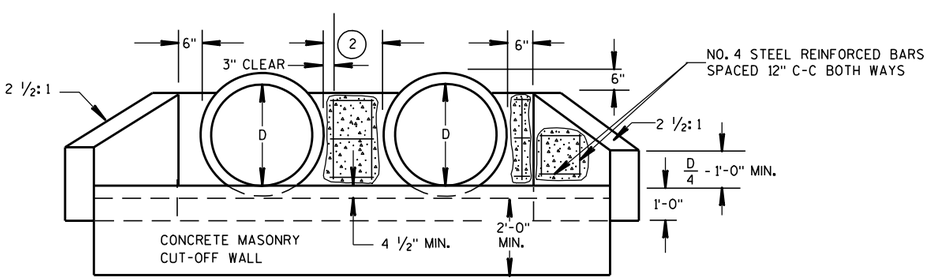
PLAN VIEW

CULVERT PIPE AND PIPE ARCH



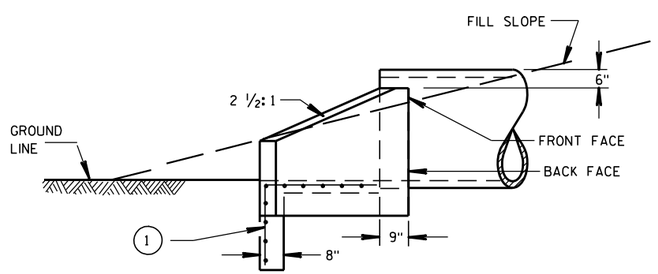
END ELEVATION

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. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 10-1

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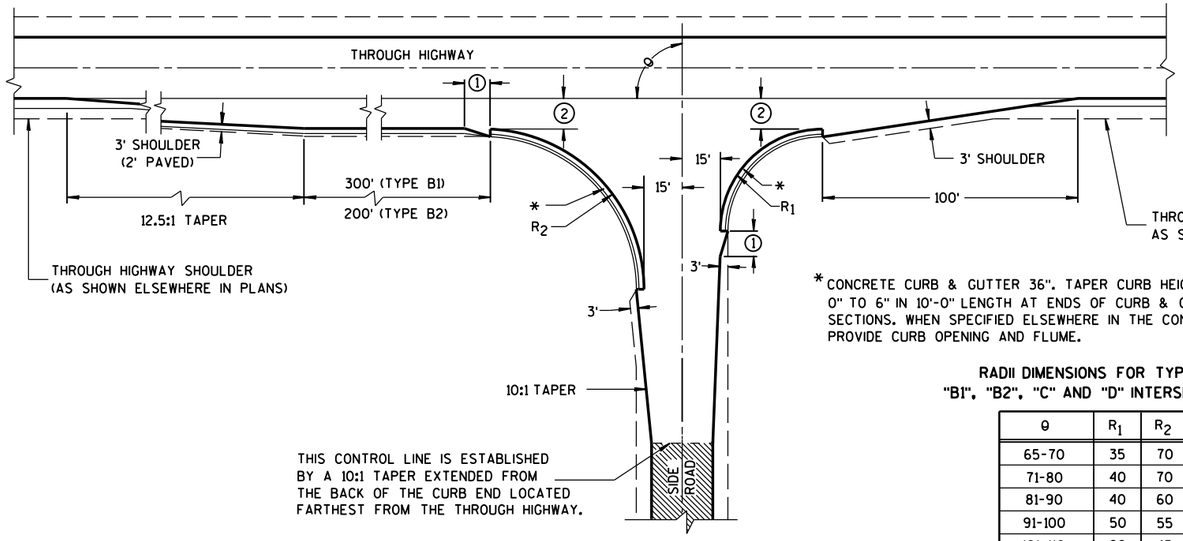
S.D.D. 8 F 10-1

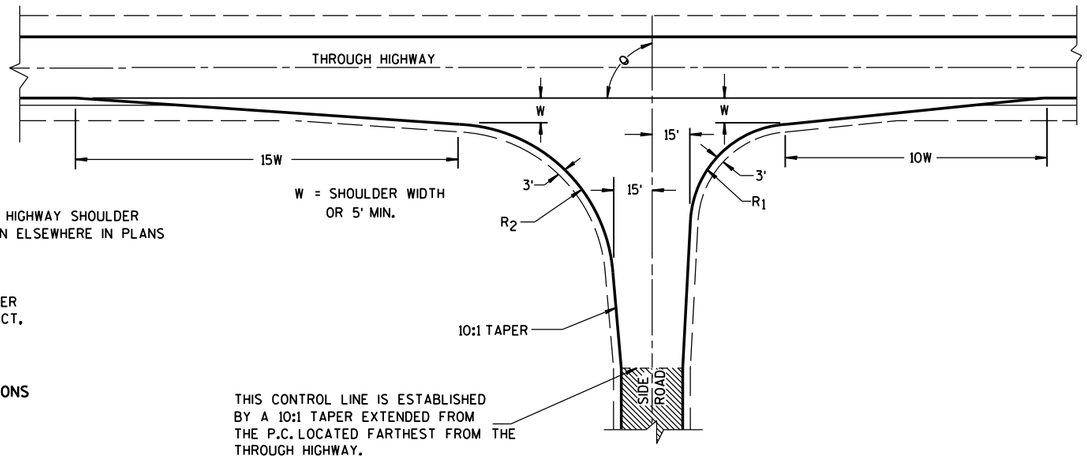


TYPE "B1" AND "B2"

*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

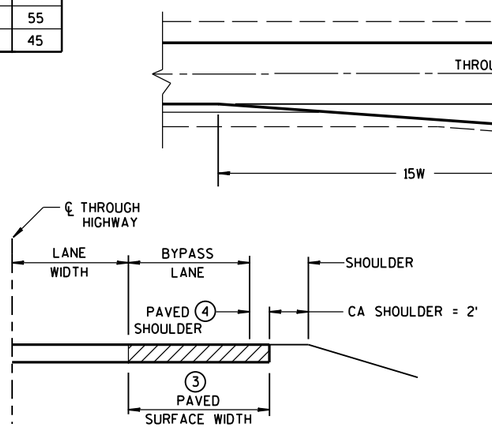
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

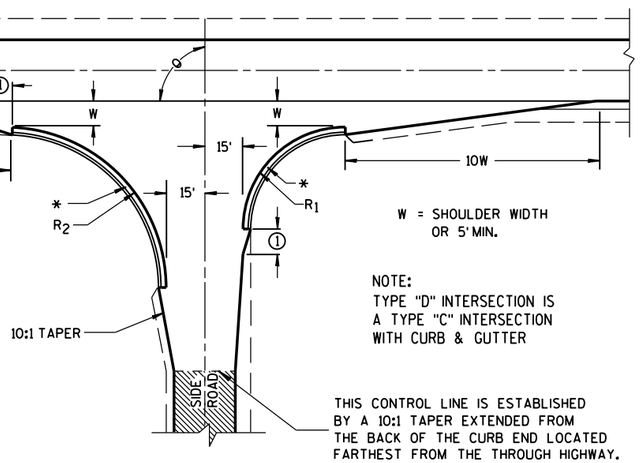
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

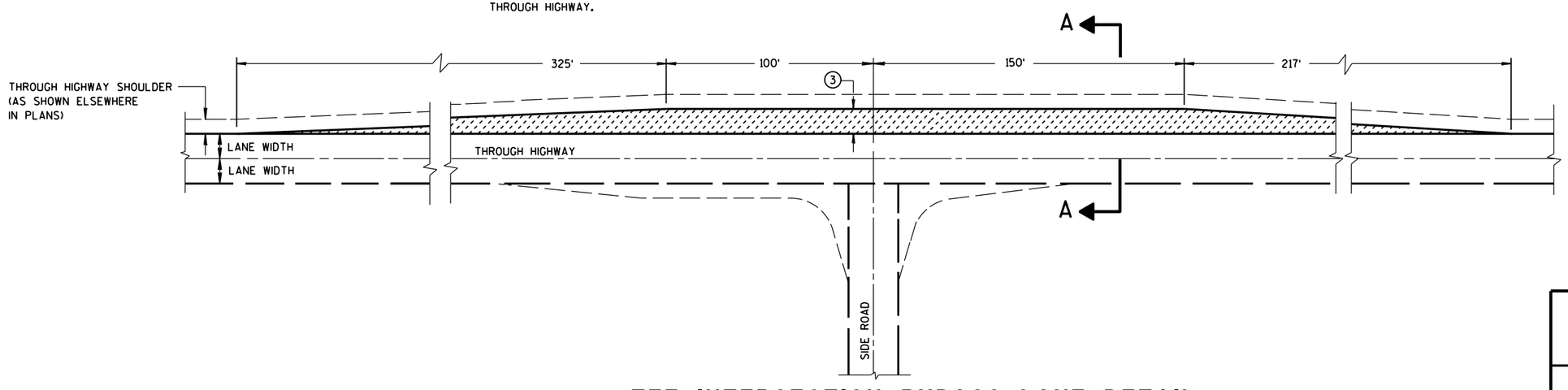
(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)



TYPE "D"



TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

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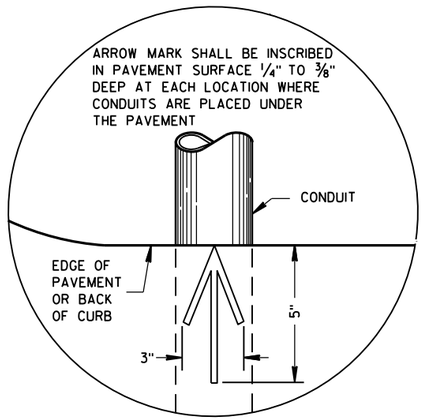
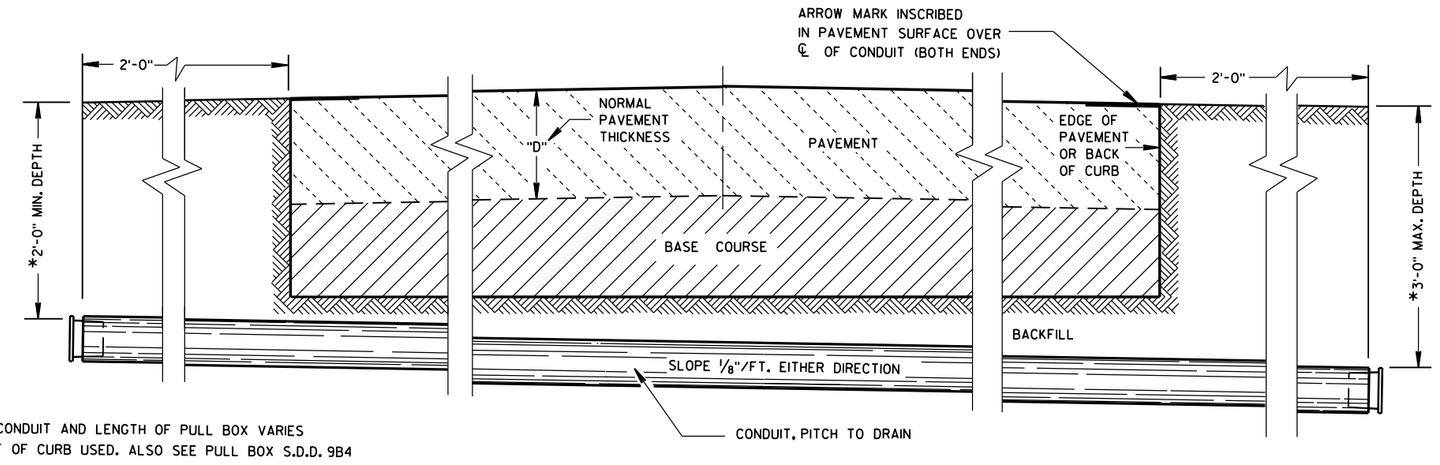
S.D.D. 9 A 1-13a



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

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

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

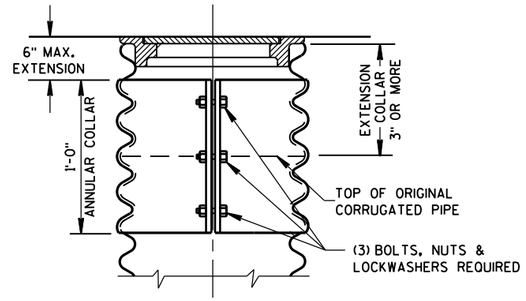
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

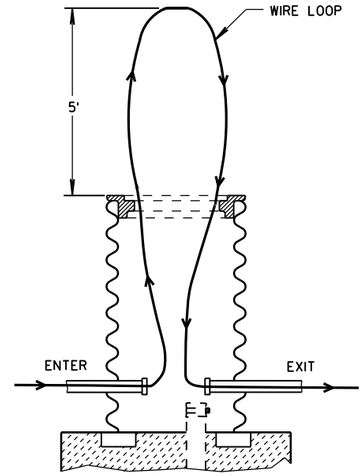
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

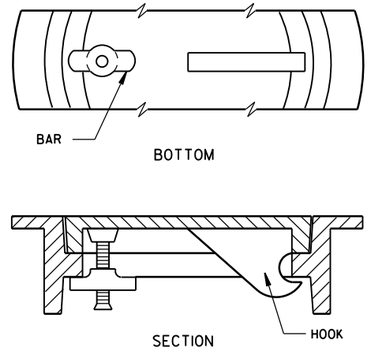
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

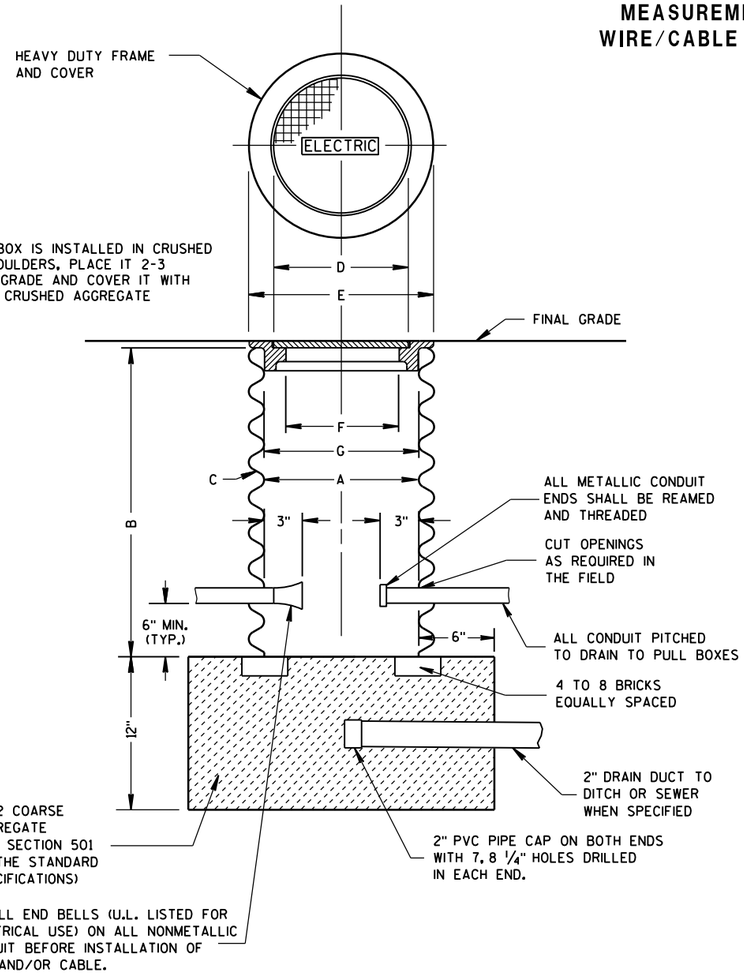


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

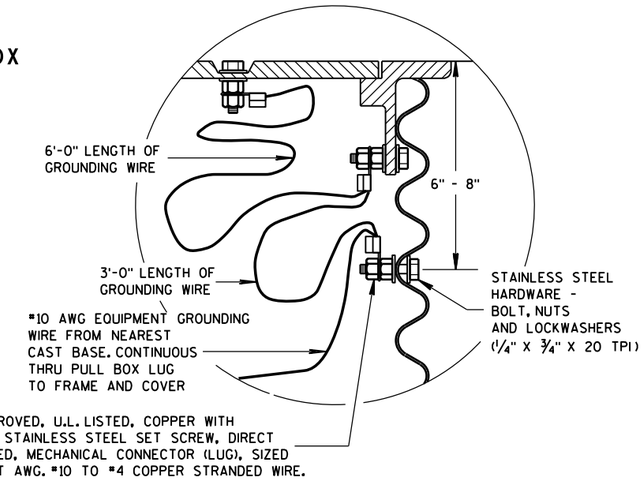


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

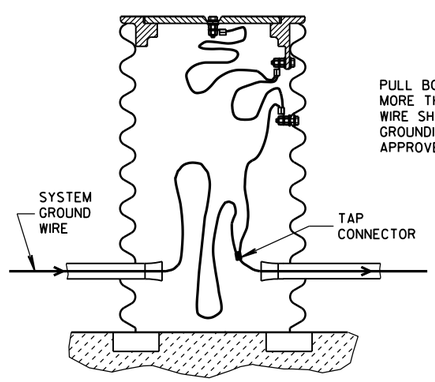
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

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

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

311

6

S.D.D. 9 B 4-11

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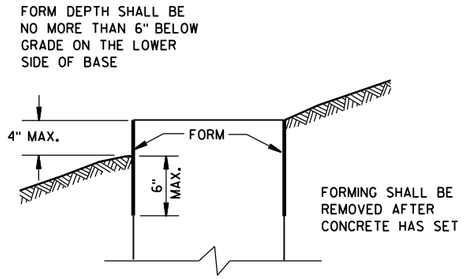
S.D.D. 9 B 4-11



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

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

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

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

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

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

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

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

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

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

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

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

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

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

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

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

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

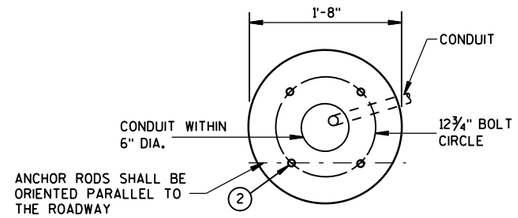
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

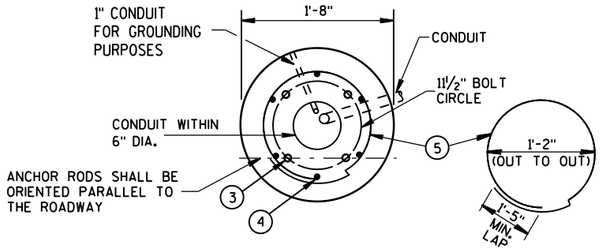
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

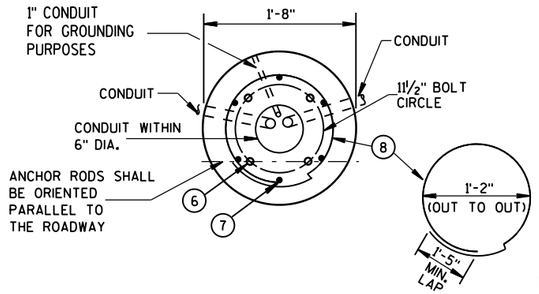
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

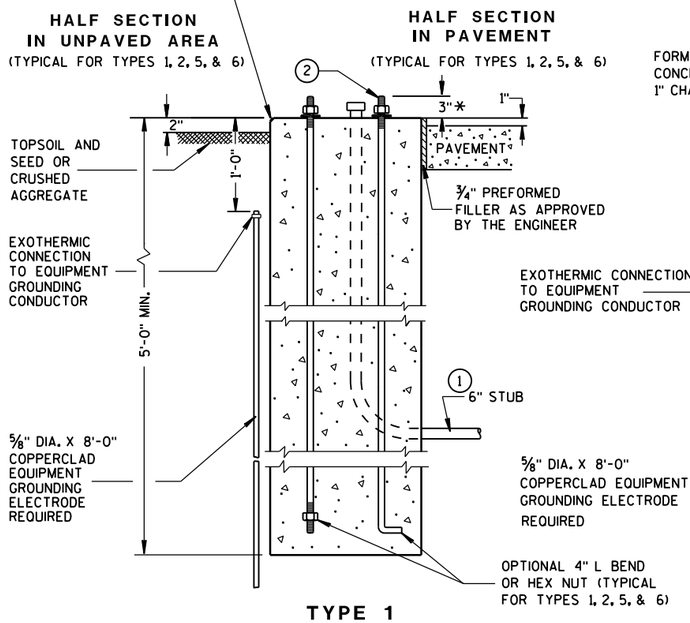
(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

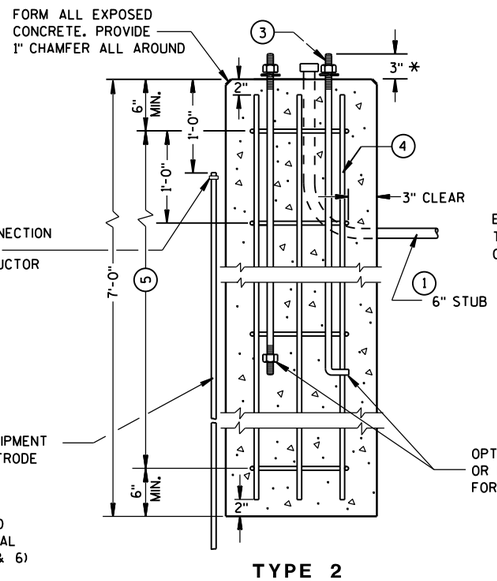
(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

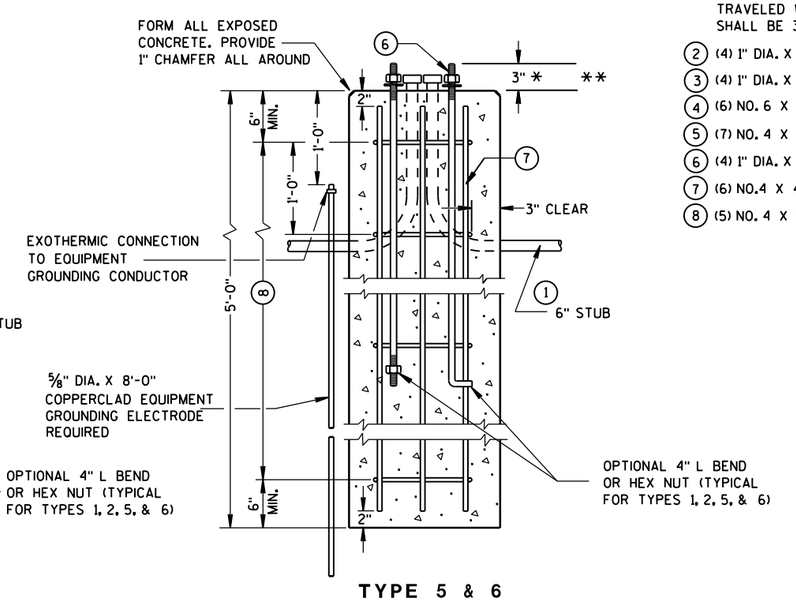












CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 312
FHWA

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S.D.D. 9 C 2-7

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

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

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

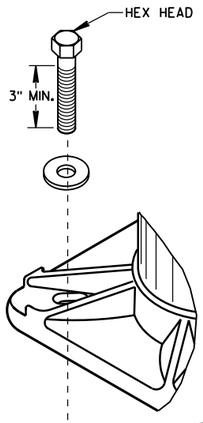
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

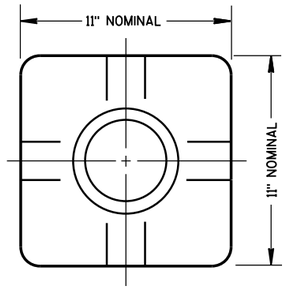
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

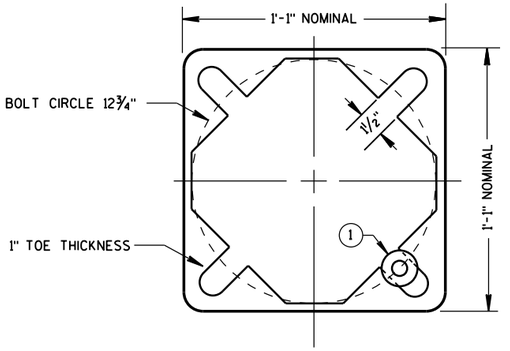
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

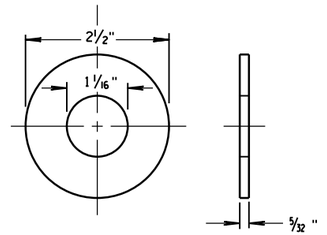




TOP VIEW
(PEDESTAL BASE)

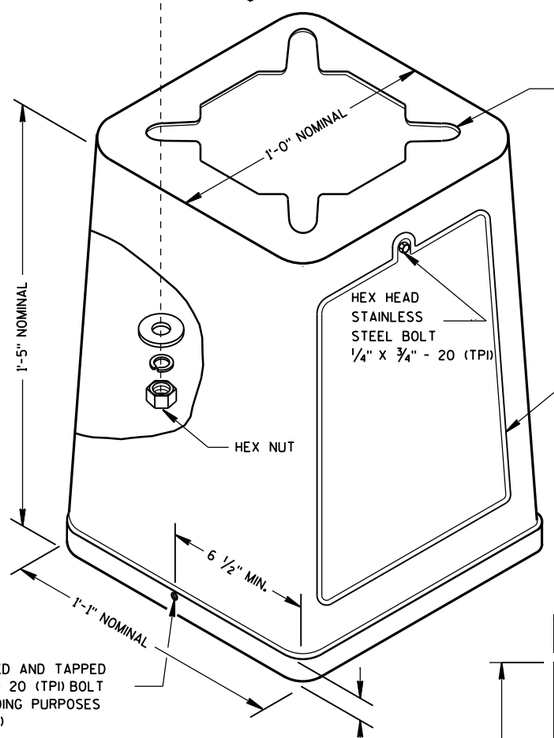


BOTTOM VIEW
(PEDESTAL BASE)

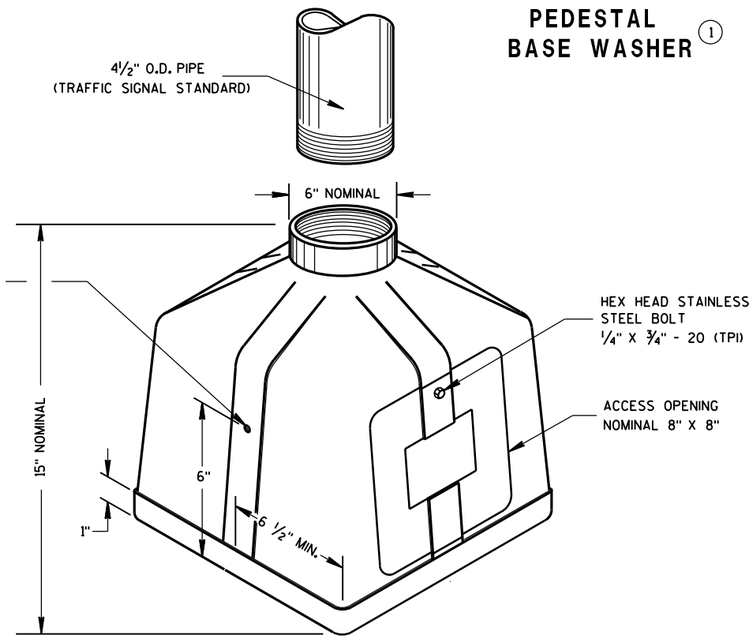


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)

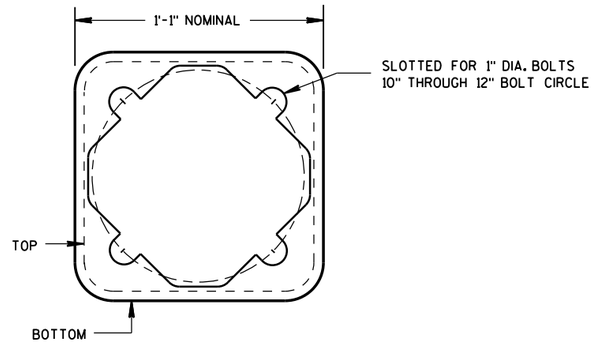


ISOMETRIC VIEW

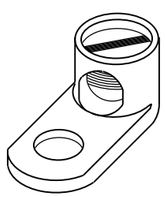


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

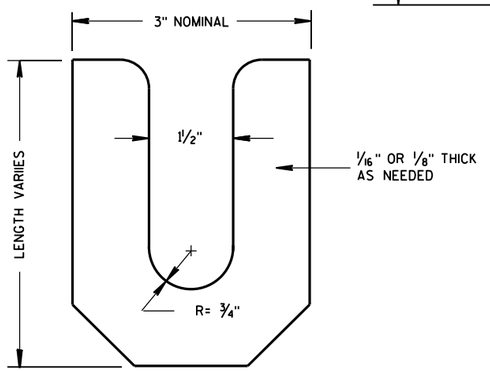


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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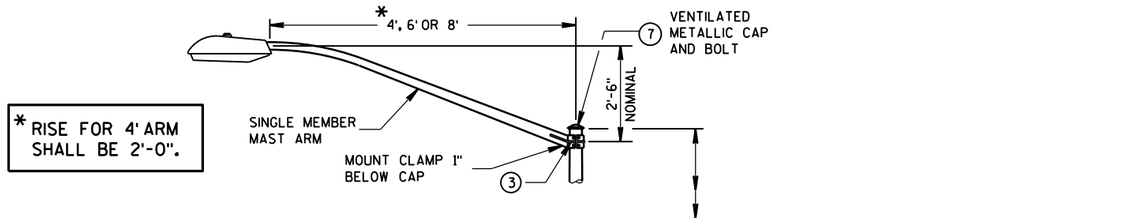
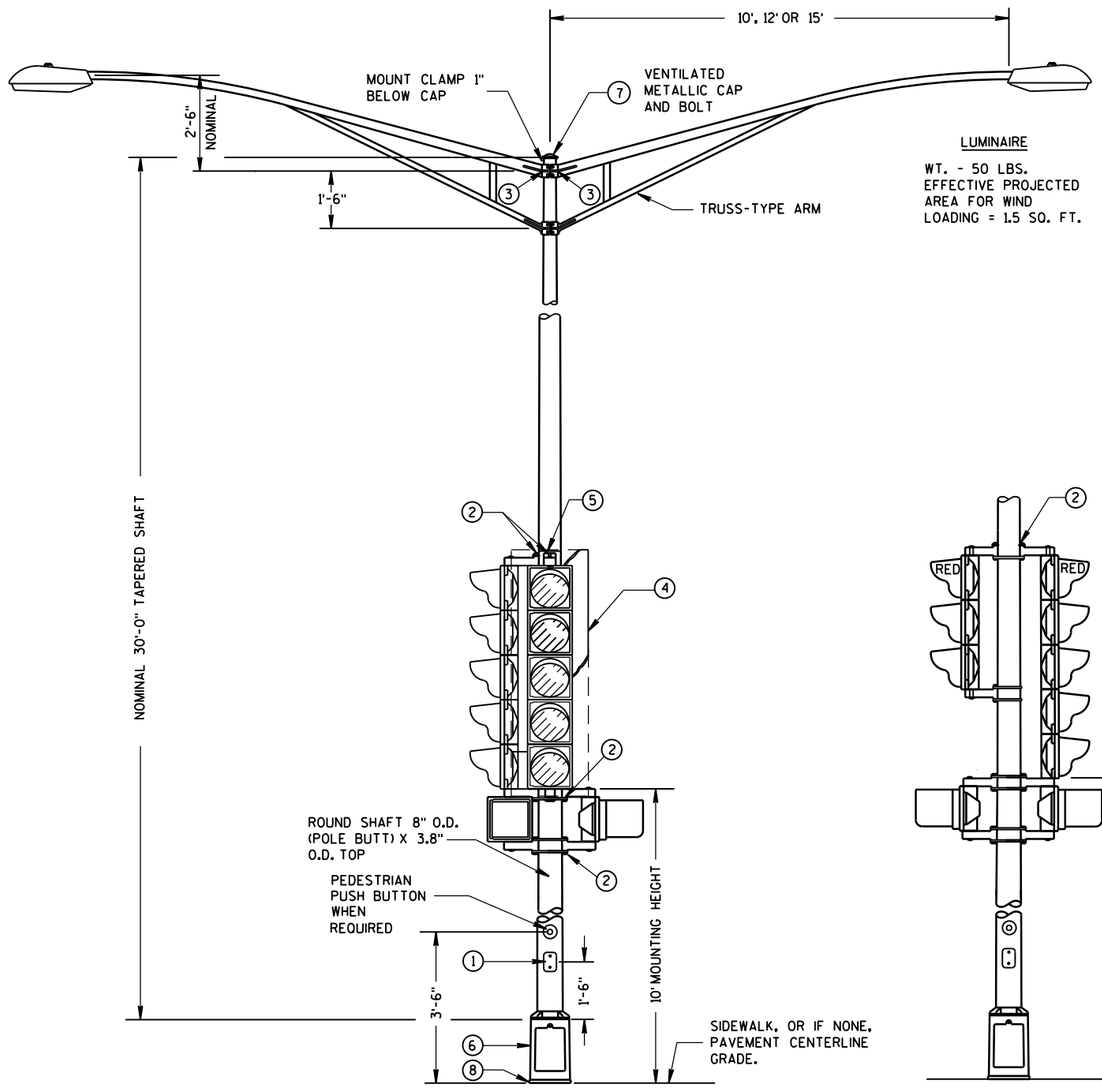
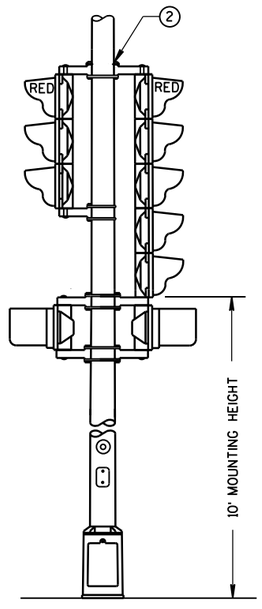




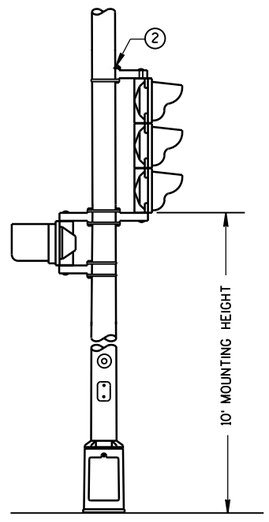
LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED AREA FOR WIND LOADING = 1.5 SQ. FT.

(MAXIMUM LOAD)

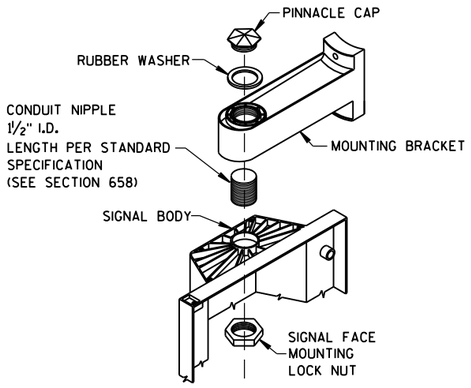


TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE

TYPE 4 POLE MOUNTING CONFIGURATION



SIGNAL FACE MOUNTING DETAIL
(BANDED)

GENERAL NOTES

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

ALL TYPE 4 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL WITH A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS, MOUNT WITH CAP SCREWS AND BANDING. (SEE STANDARD SPECIFICATIONS - SEC. 658).

(3) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

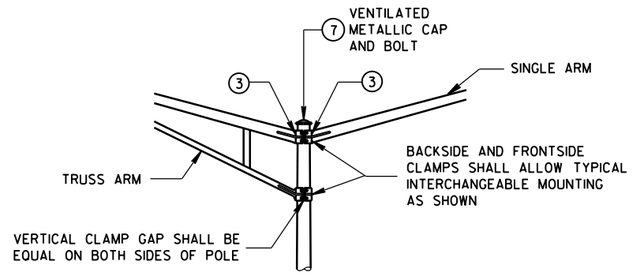
(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE 1 OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(7) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(8) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 4

STATE OF WISCONSIN
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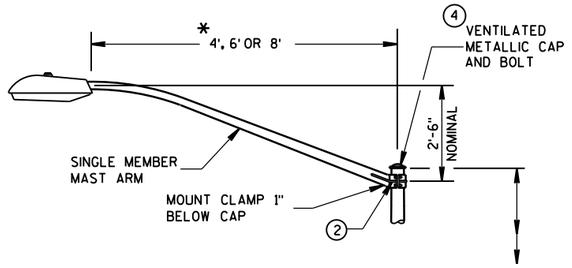
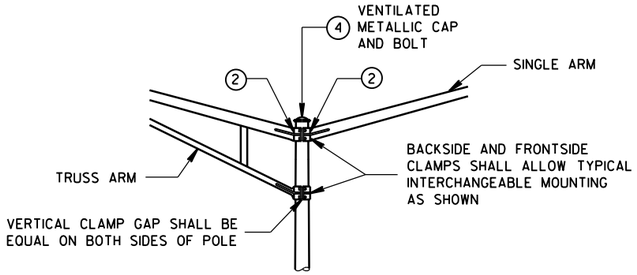
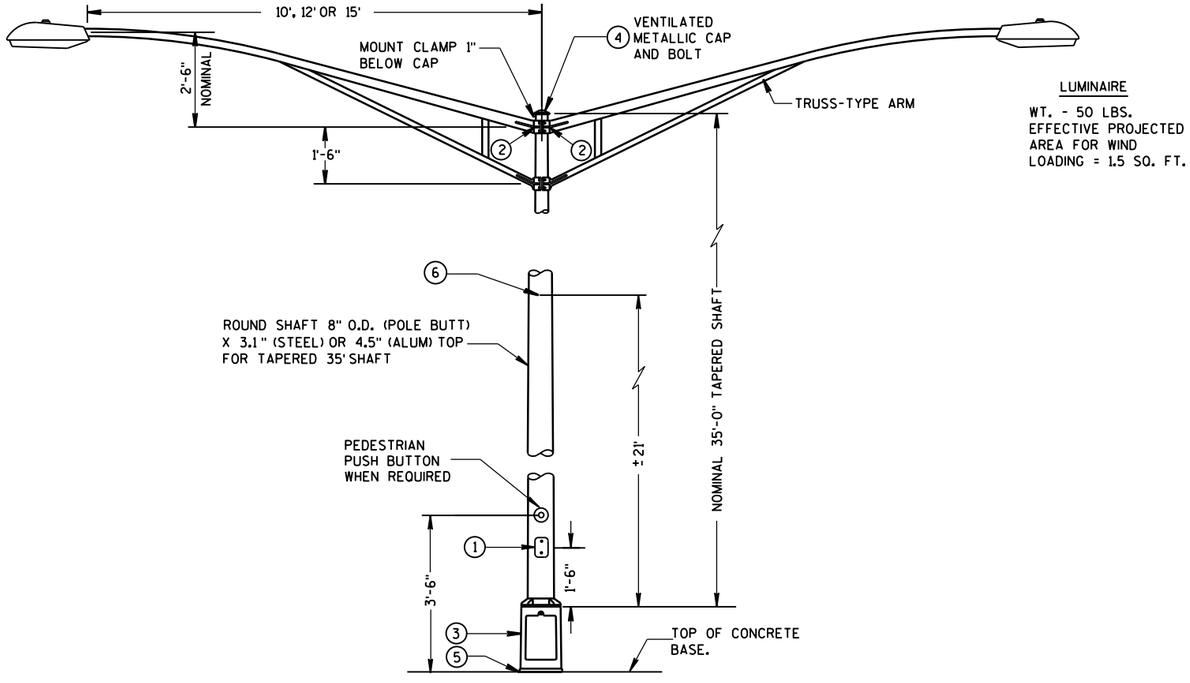
S.D.D. 9 E 1-14c

* RISE FOR 4' ARM SHALL BE 2'-0".





INTERCHANGEABLE MOUNTING DETAIL



TYPE 6 POLE MOUNTING CONFIGURATION

(MAXIMUM LOAD)

LIGHTING ONLY

GENERAL NOTES

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

ALL TYPE 6 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE EITHER GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 6 ALUMINUM POLES, SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 6 ALUMINUM POLES SHALL HAVE MINIMUM WALL THICKNESS OF 0.219".

TYPE 6 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 6 (35 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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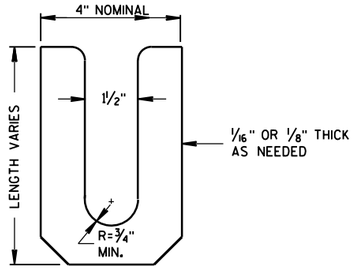
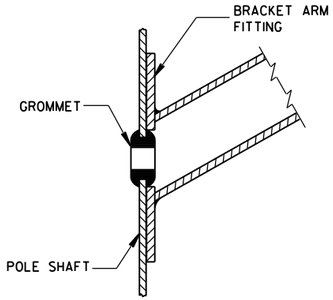
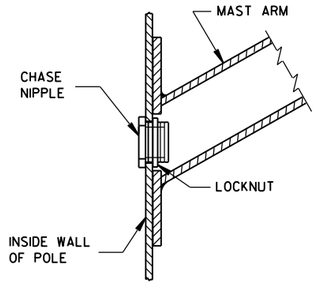


LEVELING SHIM (13)

SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

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

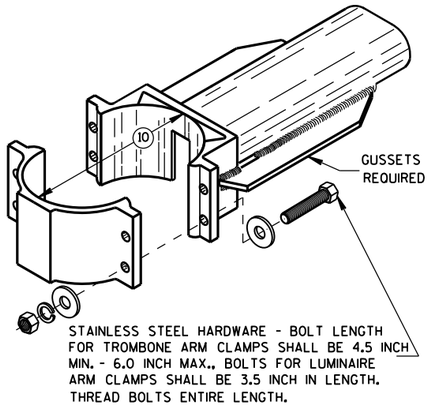
(10) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP.
6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(11) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

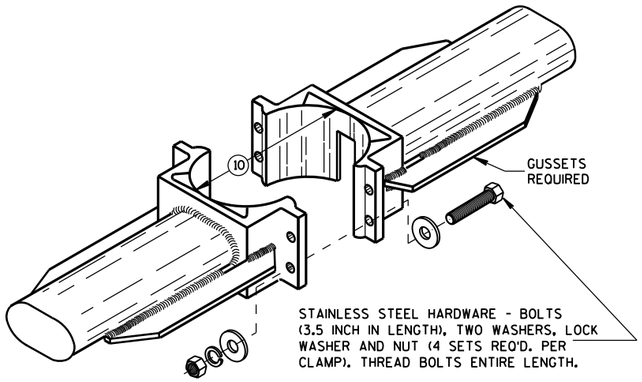
(12) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(13) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

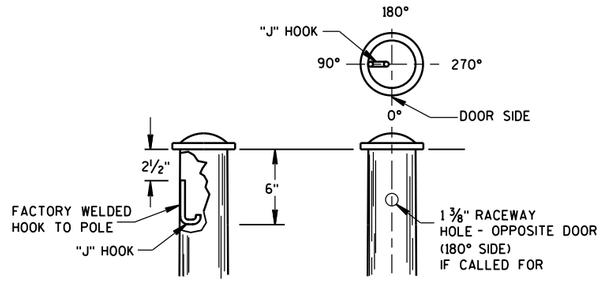
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



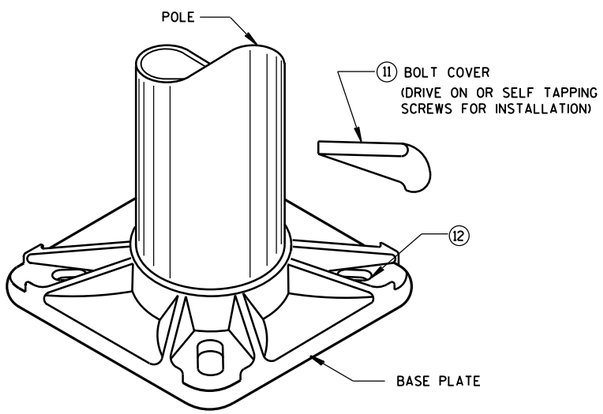
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



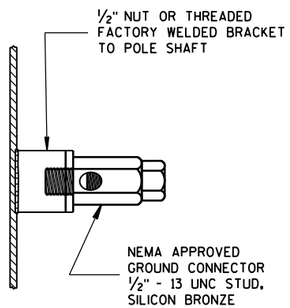
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

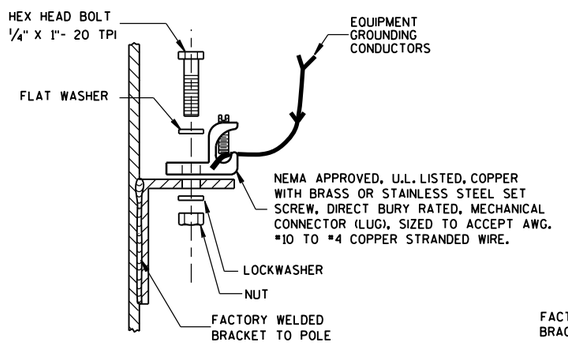


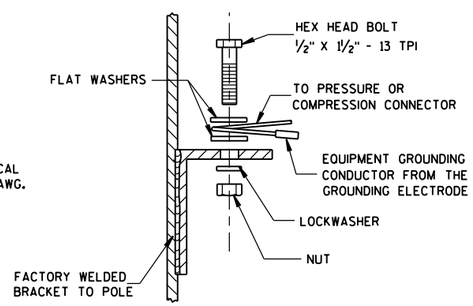
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Feb. 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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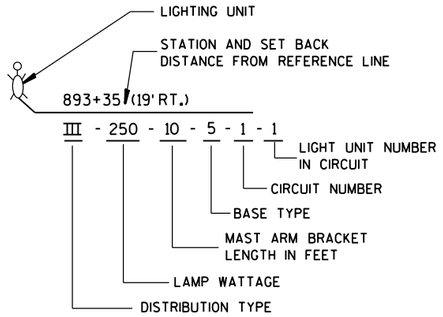
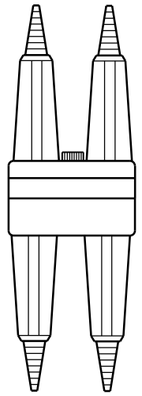
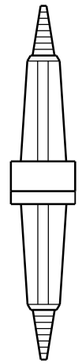


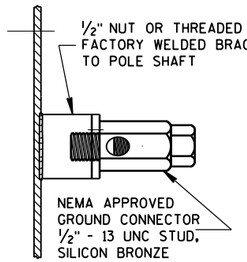
LIGHTING UNIT CODE
(TYPICAL)

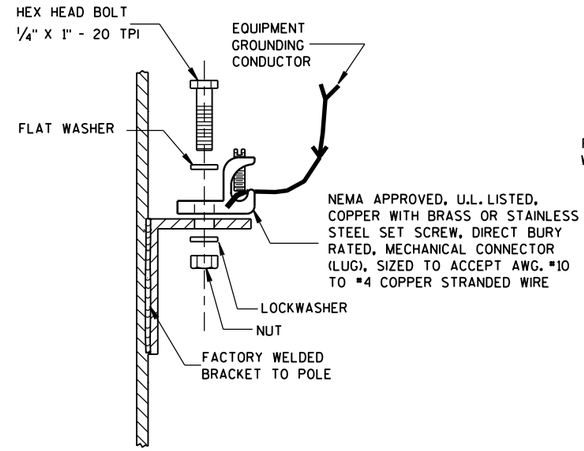


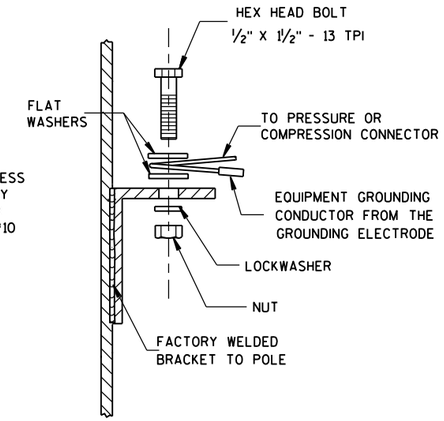
DETAIL "A"
BREAKAWY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



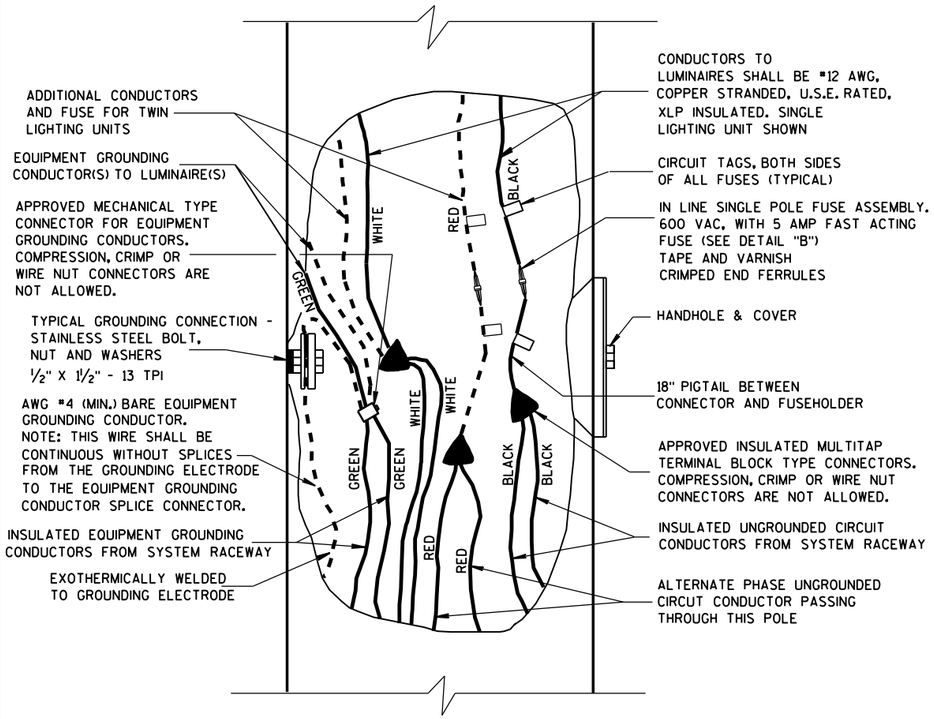
DETAIL "B"
BREAKAWY SINGLE POLE WITH WATERPROOF INSULATING BOOT



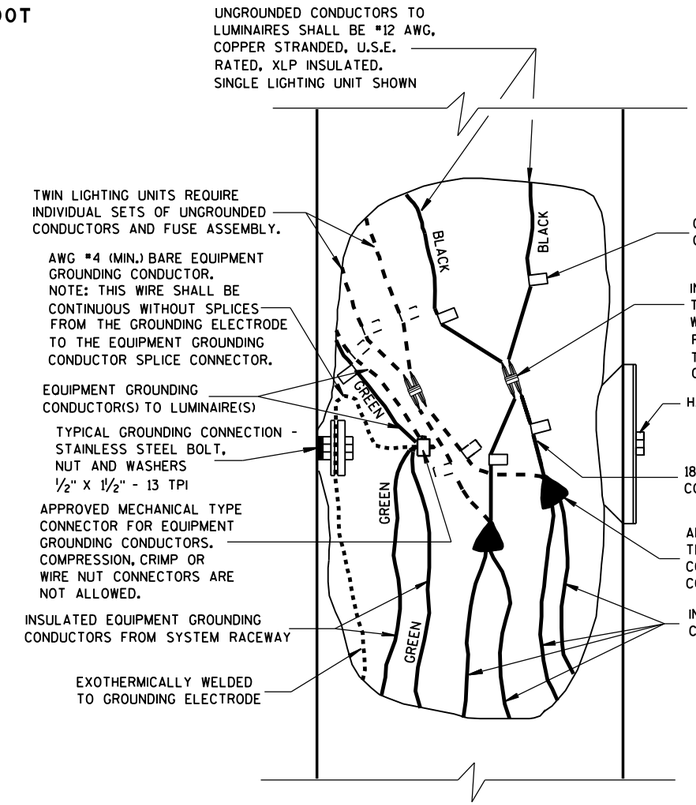




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

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

THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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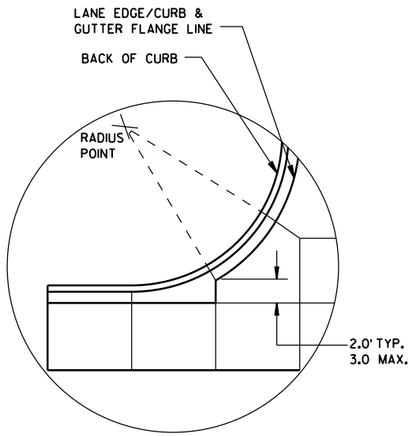
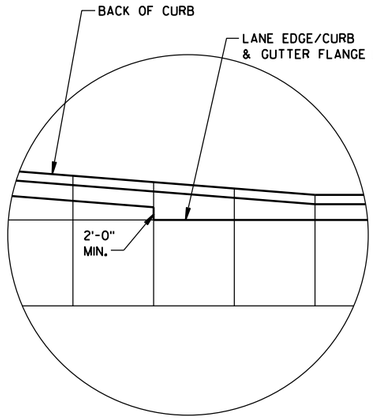
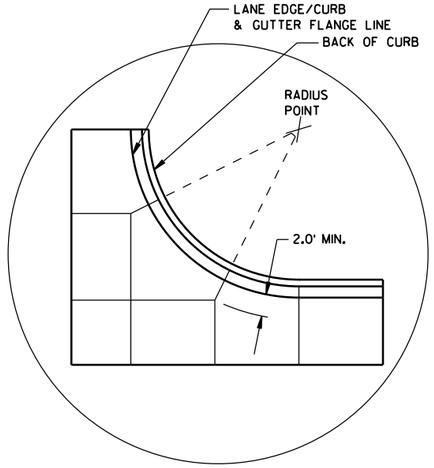
S.D.D. 9 E 3-5



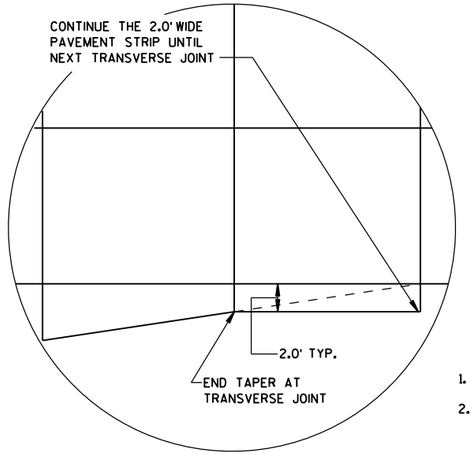
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

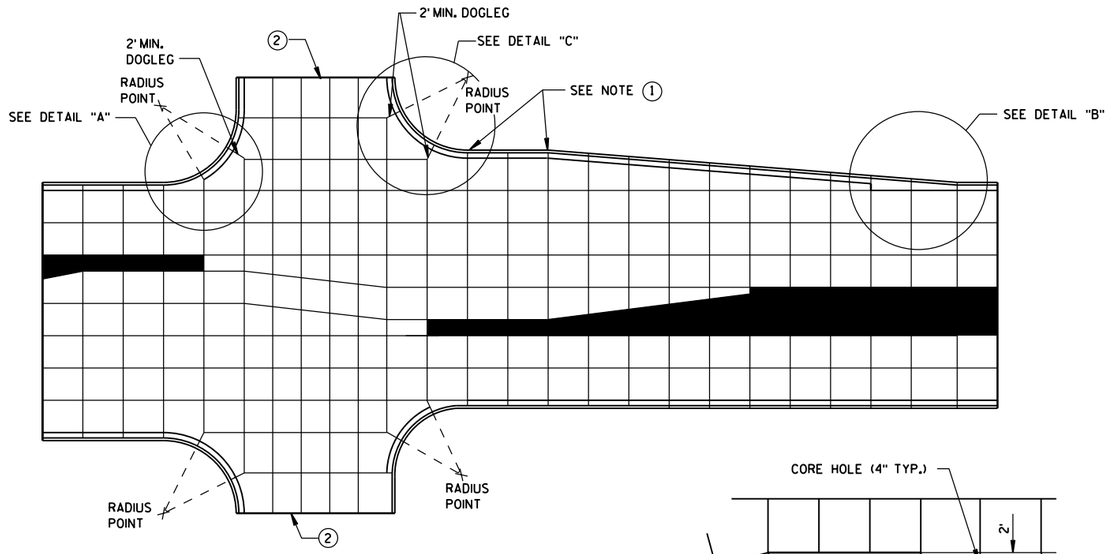
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

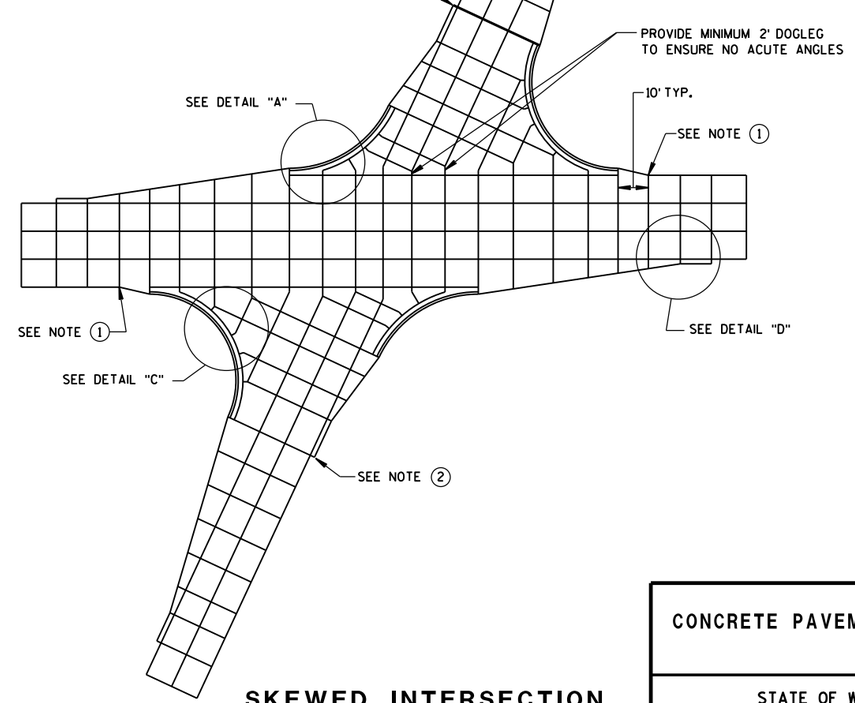
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



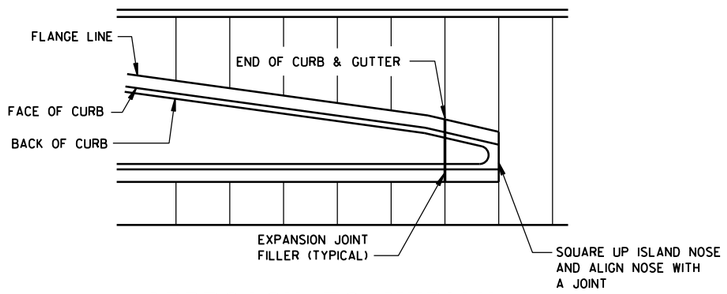
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

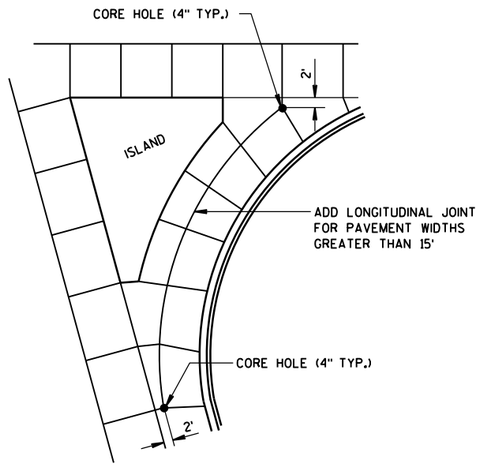
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

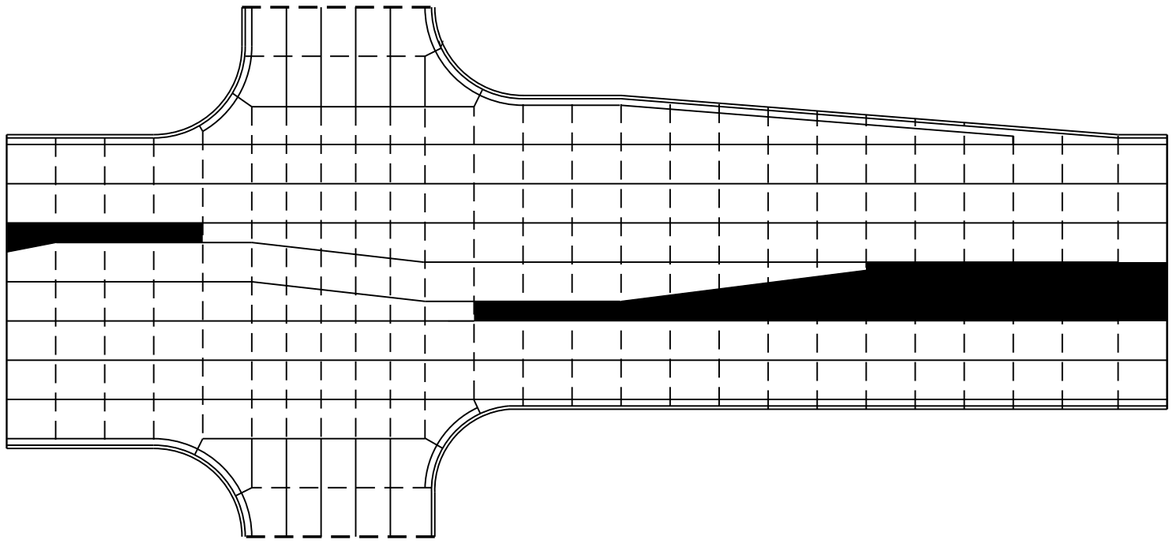
S.D.D. 13 C 18-5a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

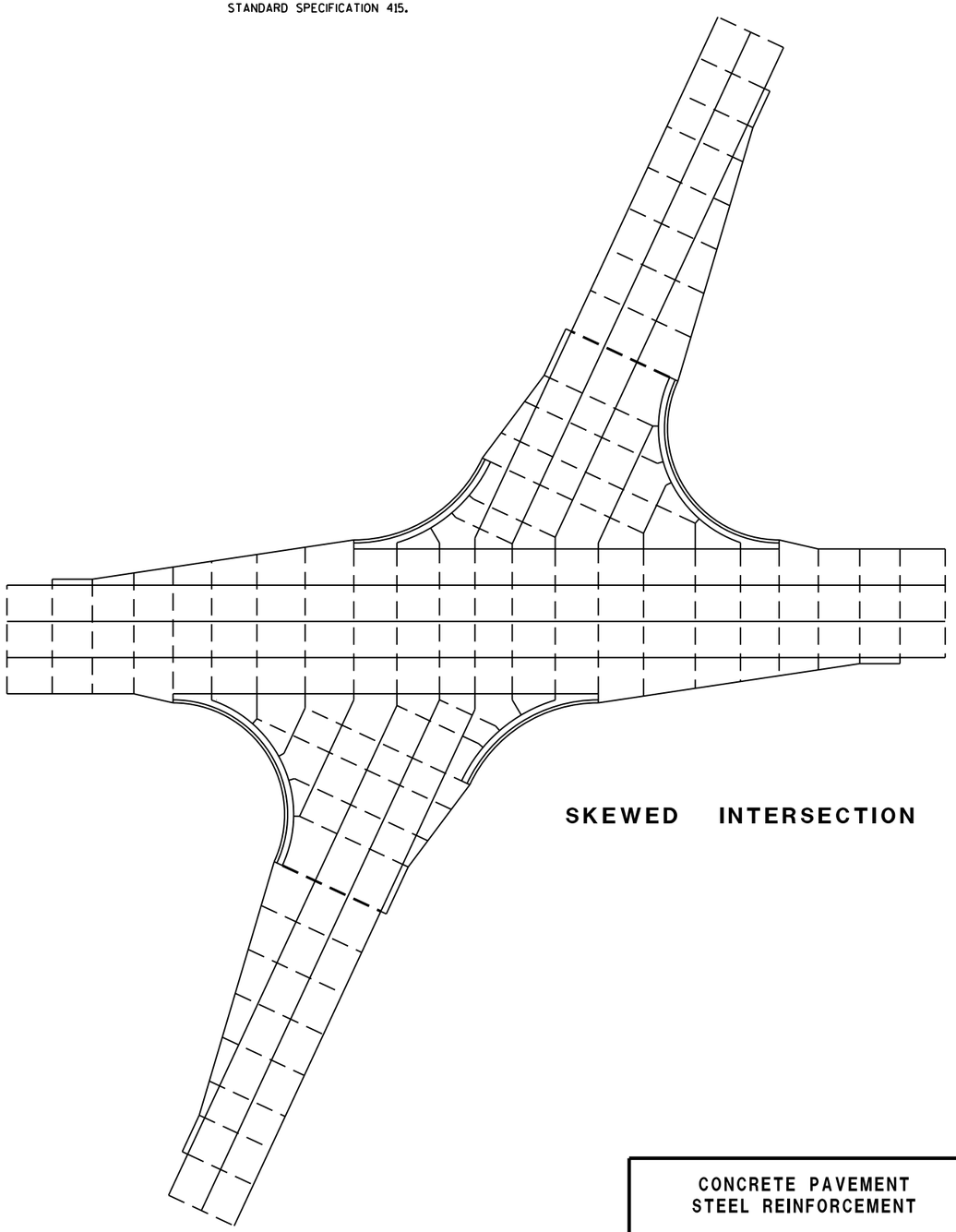
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

CONCRETE PAVEMENT
STEEL REINFORCEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 13 C 18-5b

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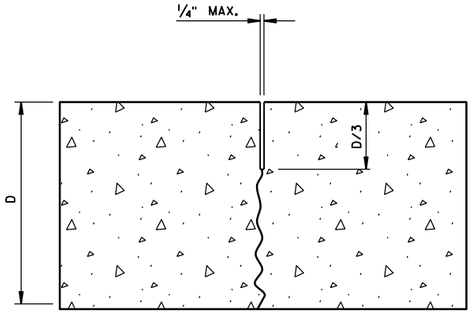
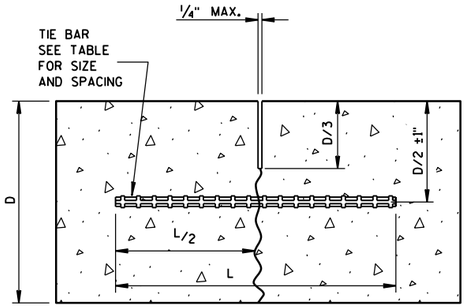
S.D.D. 13 C 18-5b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

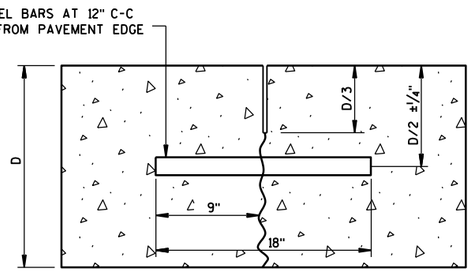
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

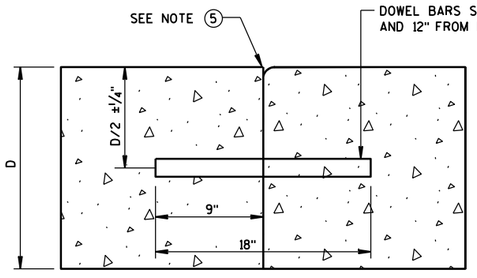
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



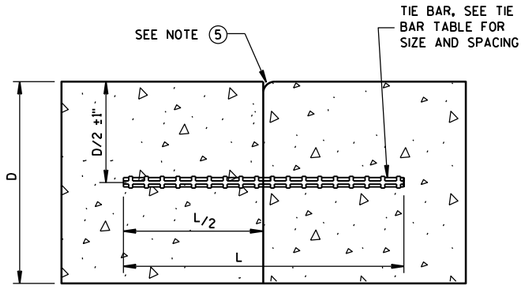
DOWELED-TRANSVERSE

CONTRACTION JOINTS

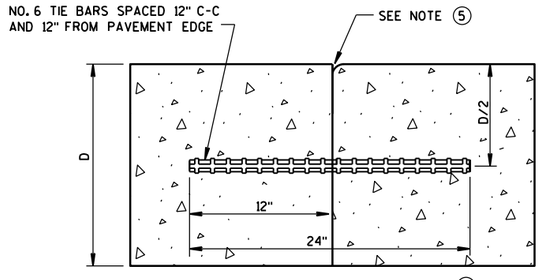
SEE NOTE (2)



DOWELED TRANSVERSE (3)

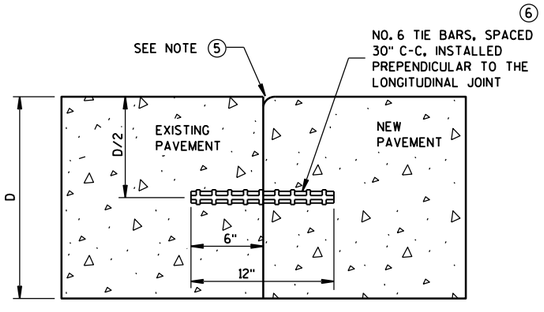


TIED LONGITUDINAL



TIED TRANSVERSE (3)

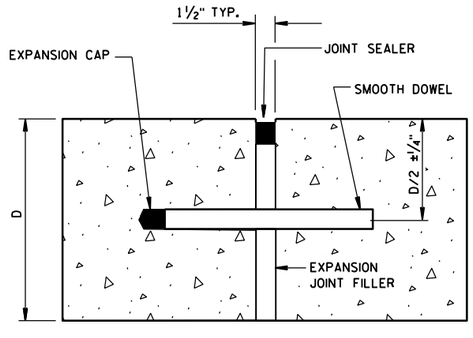
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

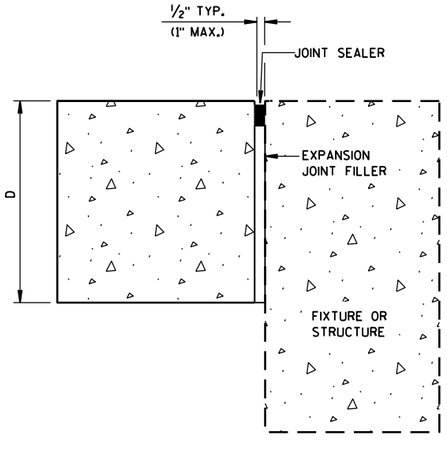
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

EXPANSION JOINTS

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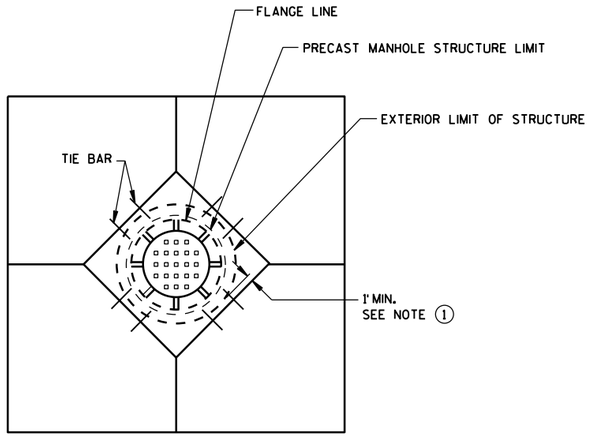
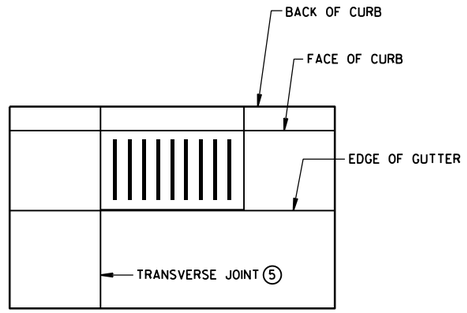
S.D.D. 13 C 18-5c

CONCRETE PAVEMENT
JOINT TYPES

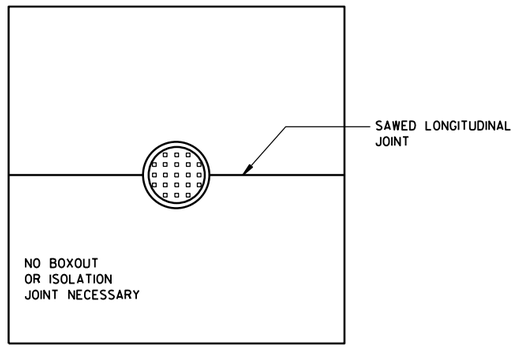
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI



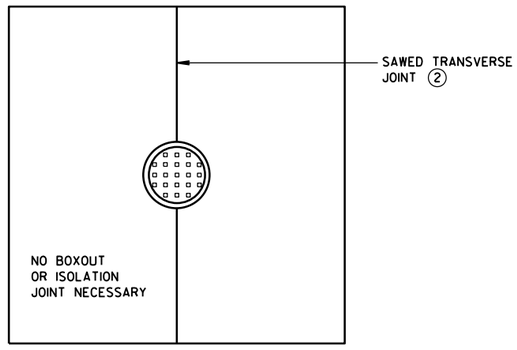
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



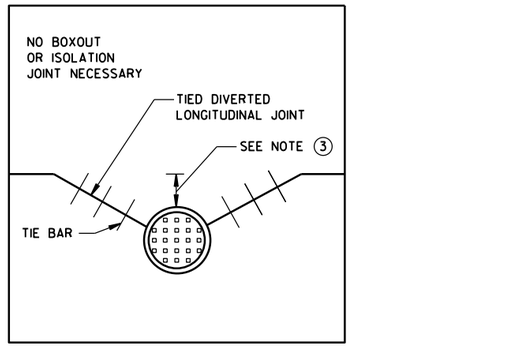
INLET WITH TRANSVERSE JOINT



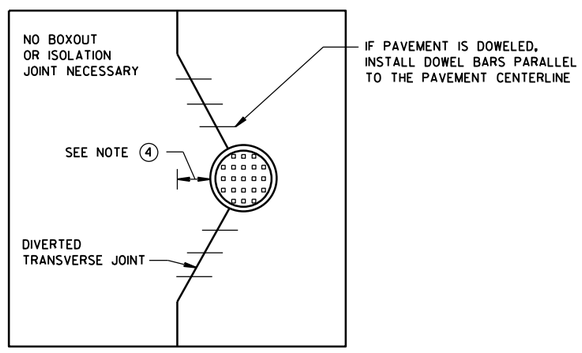
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December, 2016 /S/ Peter Kemp, P.E.
DATE PAVEMENT SUPER
FHWA

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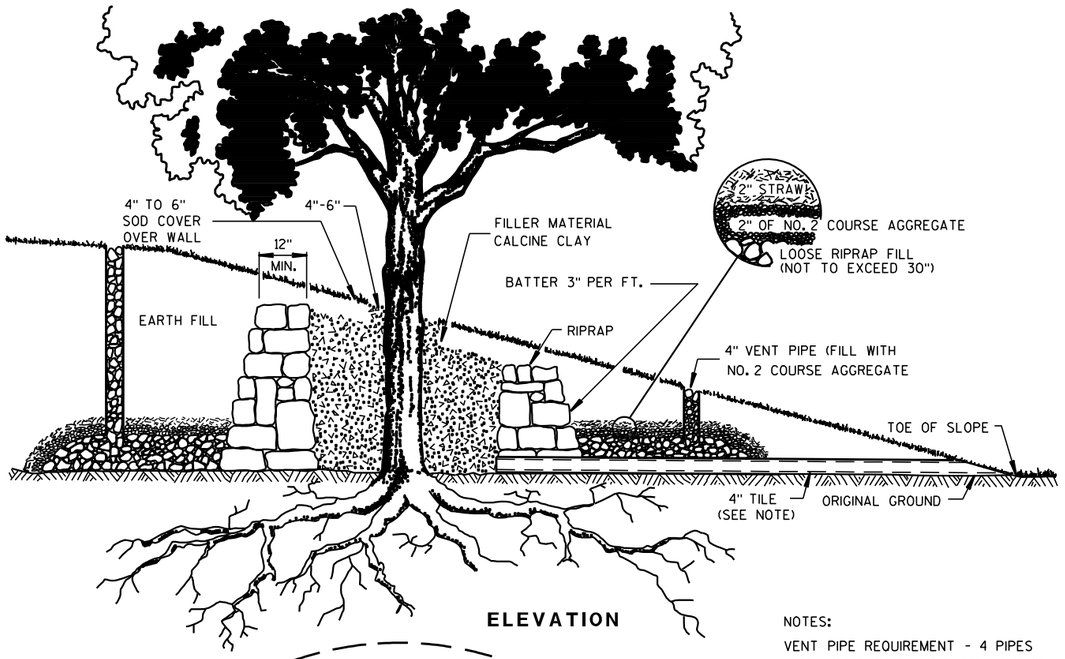
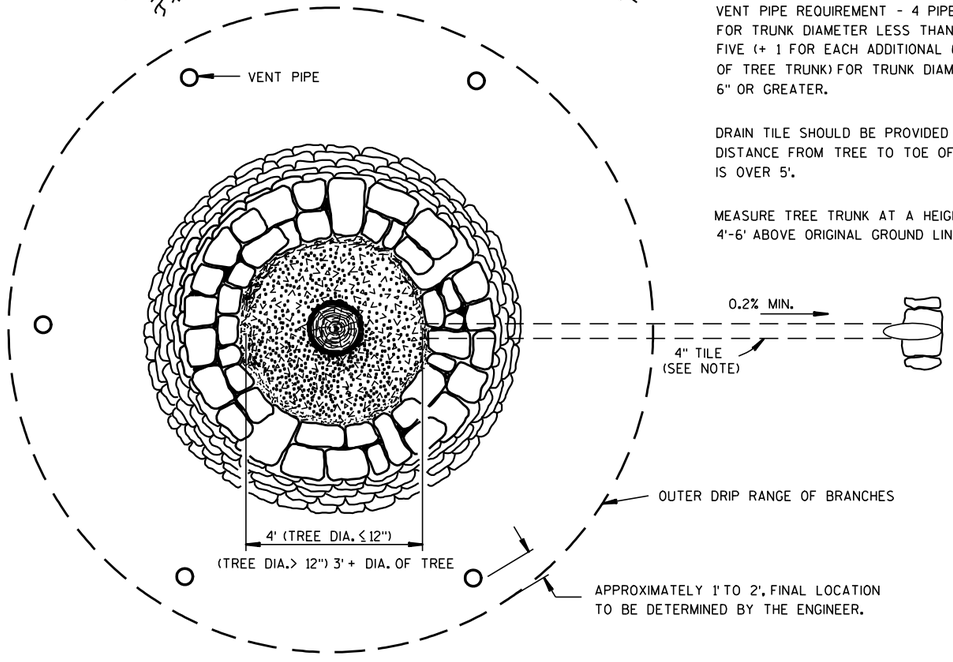
S.D.D. 13 C 18-5d



ELEVATION



PLAN

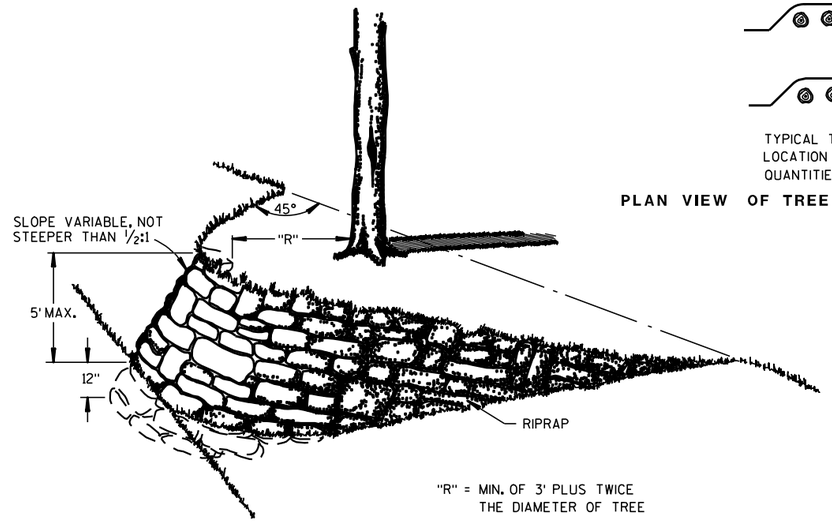
FULL TREE WELL WITH RIPRAP WALL

NOTES:

VENT PIPE REQUIREMENT - 4 PIPES FOR TRUNK DIAMETER LESS THAN 6". FIVE (+ 1 FOR EACH ADDITIONAL 6" OF TREE TRUNK) FOR TRUNK DIAMETER 6" OR GREATER.

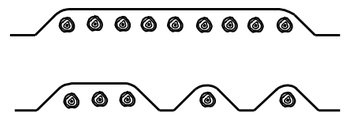
DRAIN TILE SHOULD BE PROVIDED IF DISTANCE FROM TREE TO TOE OF SLOPE IS OVER 5'.

MEASURE TREE TRUNK AT A HEIGHT 4'-6' ABOVE ORIGINAL GROUND LINE.



"R" = MIN. OF 3' PLUS TWICE THE DIAMETER OF TREE

DETAILS OF TREE ISLAND AND ROOT PROTECTION



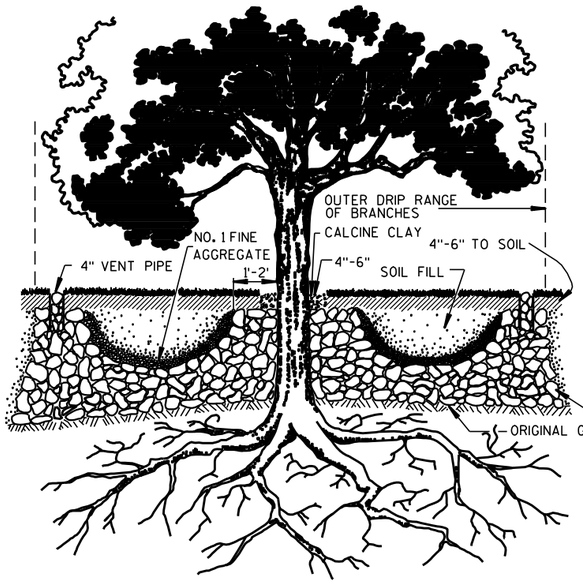
TYPICAL TREATMENTS OF ROOT PROTECTION. LOCATION SHOWN ON MISCELLANEOUS QUANTITIES SHEET.

PLAN VIEW OF TREE ISLANDS FOR ONE OR MORE TREES

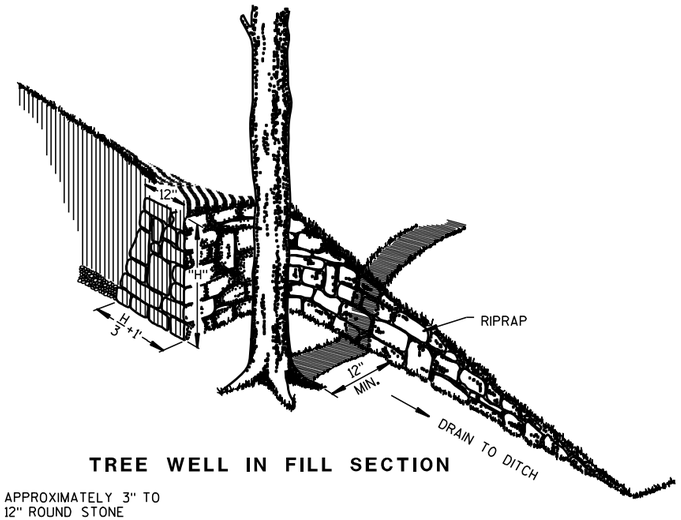
GENERAL NOTES

WALLS TO BE BUILT TO APPROXIMATE SHAPE AND DIMENSIONS SHOWN. STONE TO CONFORM TO SPECIFICATIONS FOR RIPRAP.

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



TREE WELL WITHOUT WALL



TREE WELL IN FILL SECTION

DETAILS FOR TREE WELLS

TREE PRESERVATION DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

8/25/76 DATE

/S/ D. L. Strand STATE DESIGN ENGINEER

322 WYS

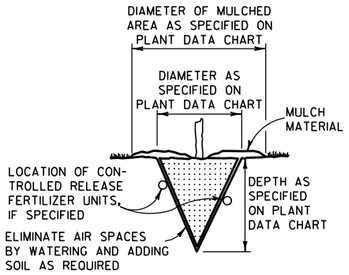
FHWA

6

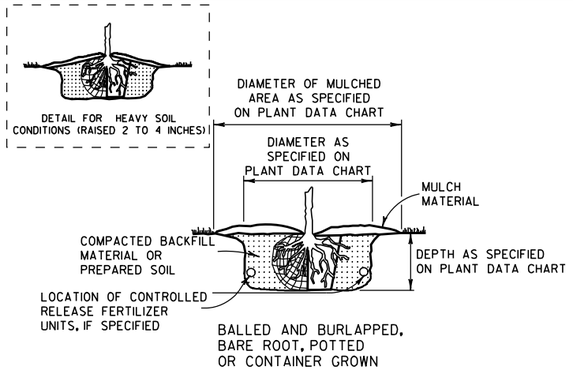
S.D.D. 14 A 1-3

6

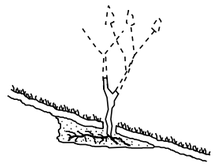
S.D.D. 14 A 1-3



MACHINE MOVED

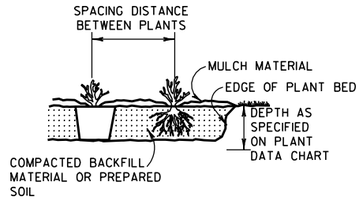


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



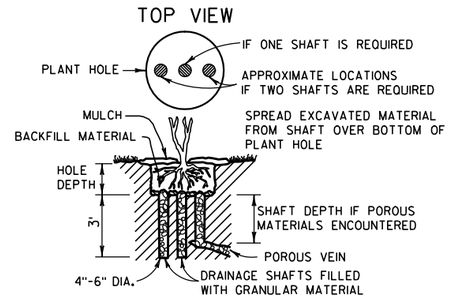
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



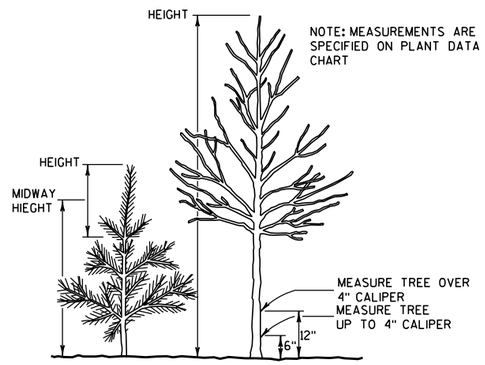
PREPARED BED (BARE ROOT AND POTTED)

PLANTING

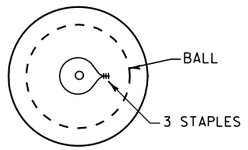


NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

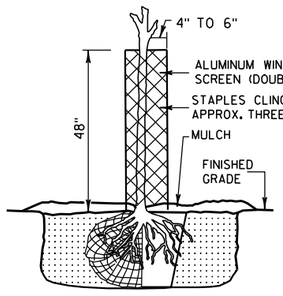
DRAINING



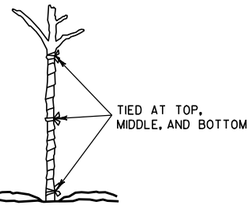
MEASURING



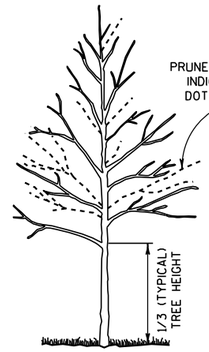
TOP VIEW



RODENT PROTECTION



WRAPPING

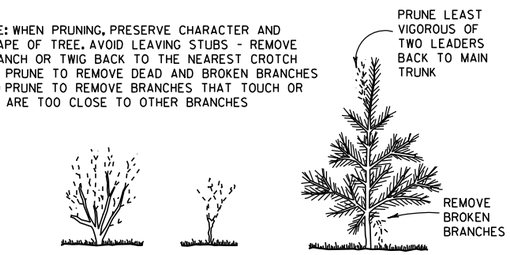


TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)

SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)

MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES

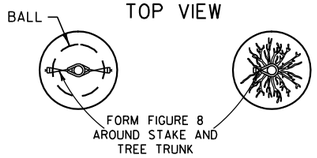


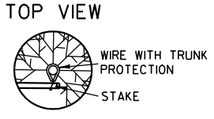
SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

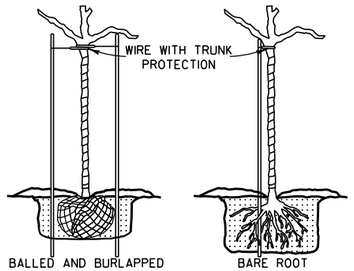
SUMAC

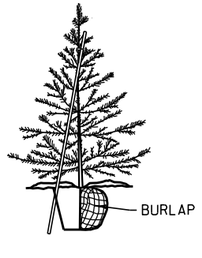
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

PRUNING



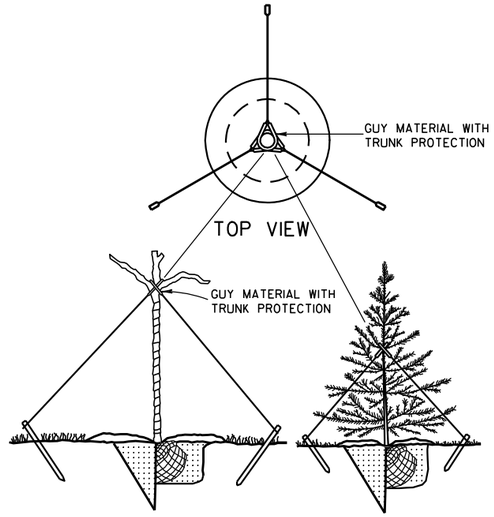






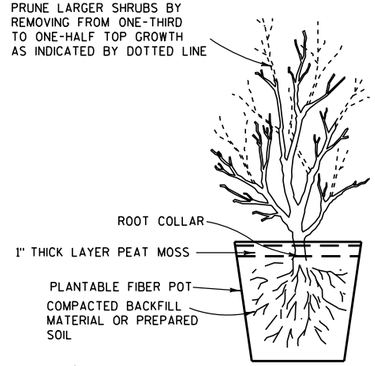
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING

PRUNE LARGER SHRUBS BY REMOVING FROM ONE-THIRD TO ONE-HALF TOP GROWTH AS INDICATED BY DOTTED LINE



POTTING

NOTES

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

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

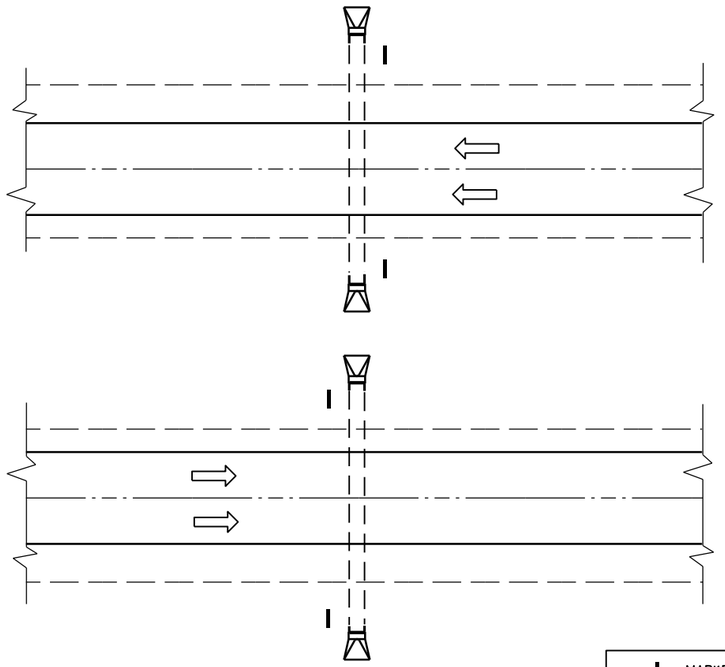
TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94
DATE
/S/ Rory L. Rhinesmith
CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

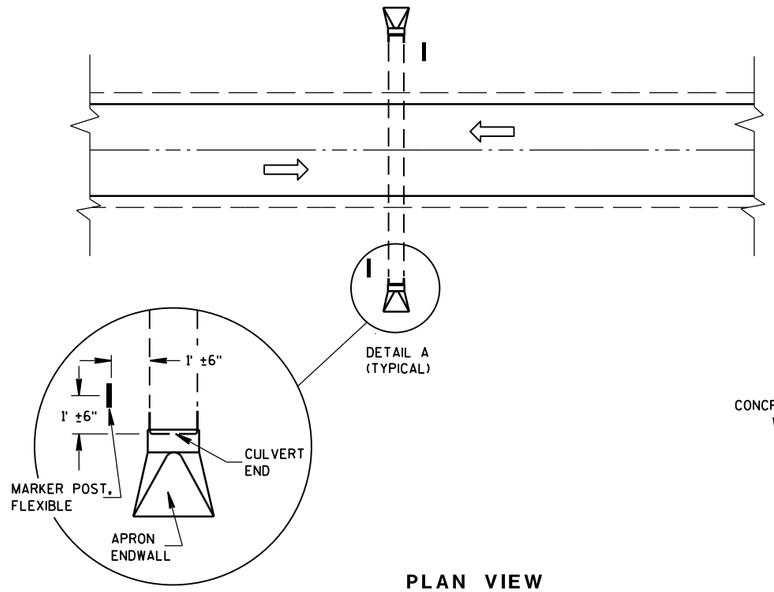
6

S.D.D. 14 A 2-1



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

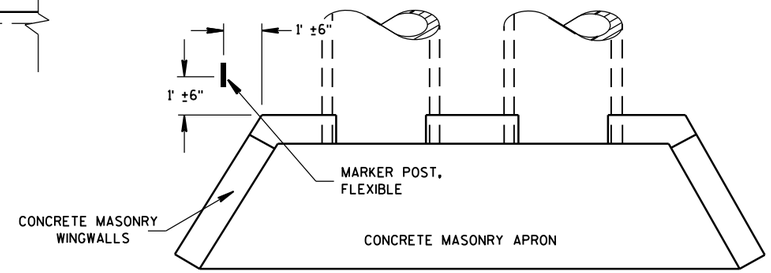
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

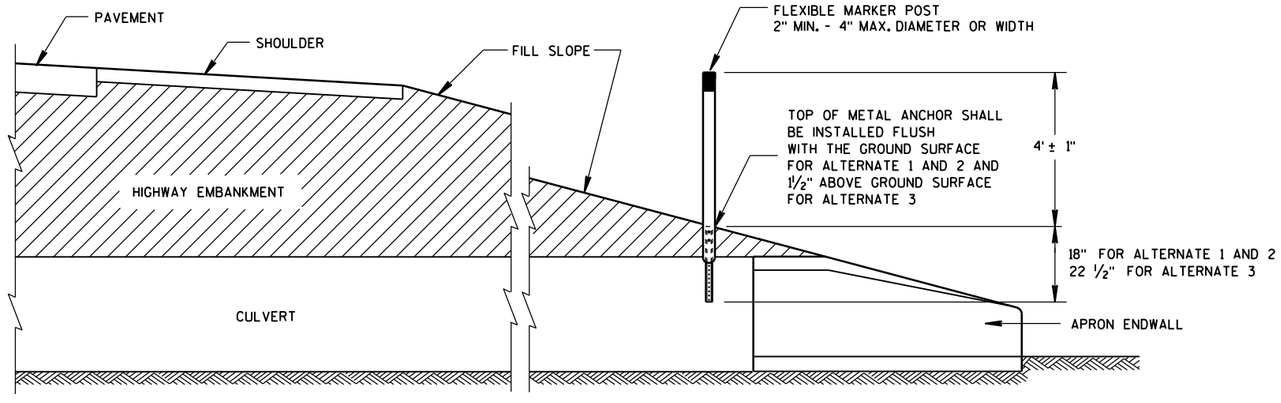
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



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

6

S.D.D. 15 A 3-2a

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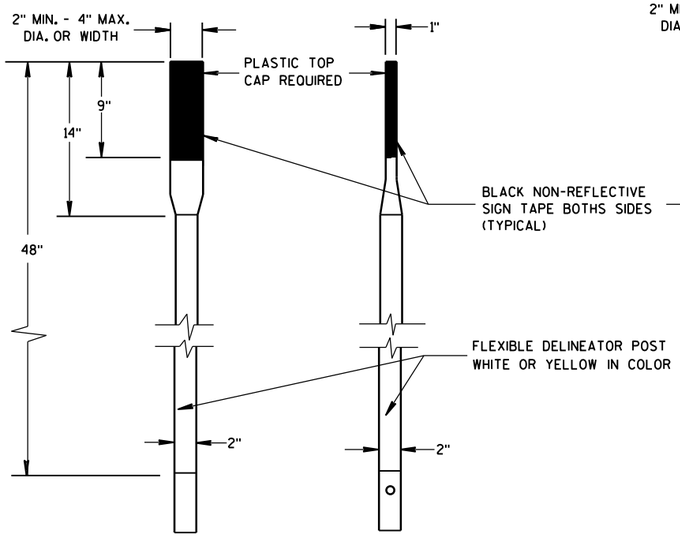
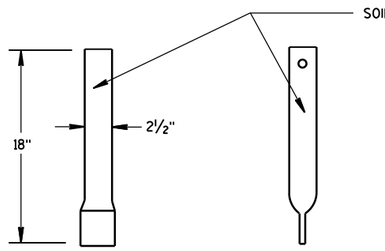
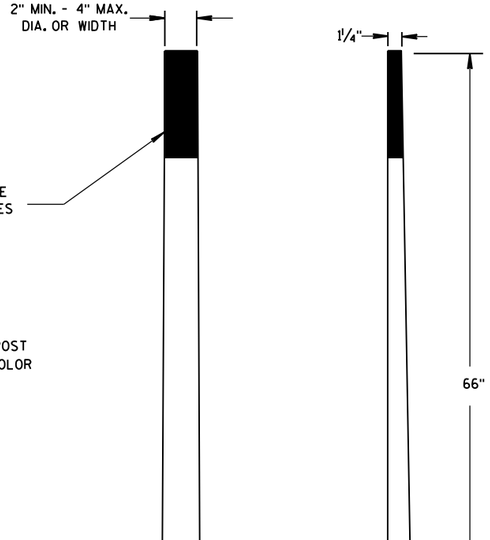
S.D.D. 15 A 3-2a





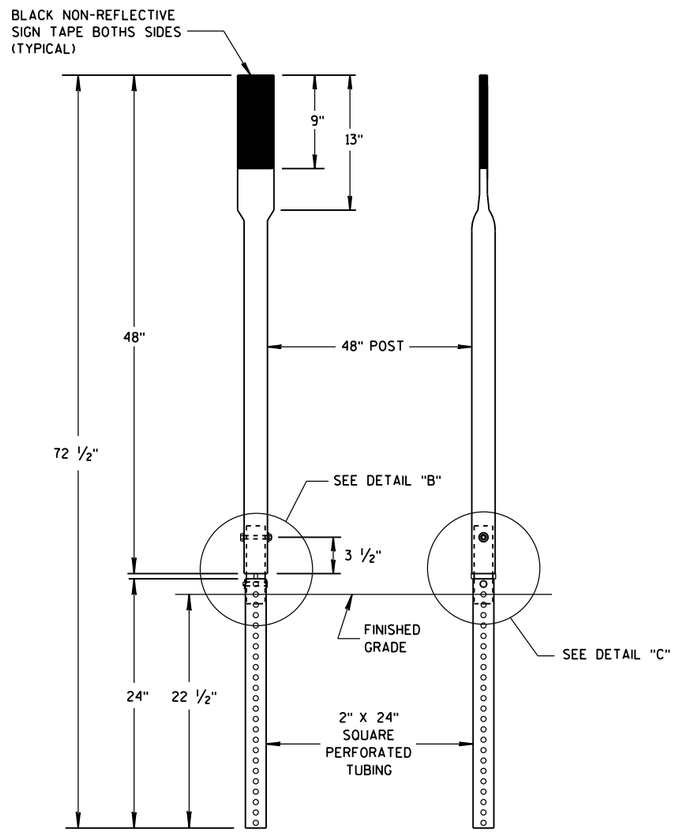
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

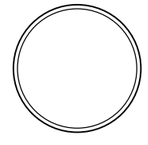
ALTERNATE 2



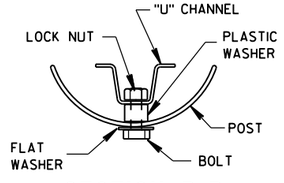
FRONT VIEW SIDE VIEW

ALTERNATE 3

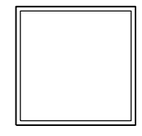
FLEXIBLE MARKER POSTS



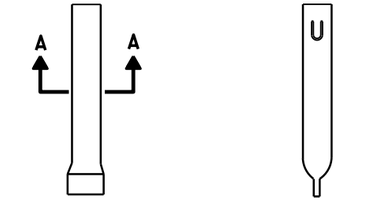
SECTION A-A



SECTION B-B

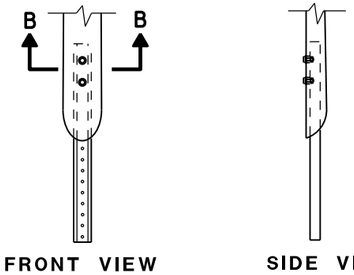


SECTION C-C



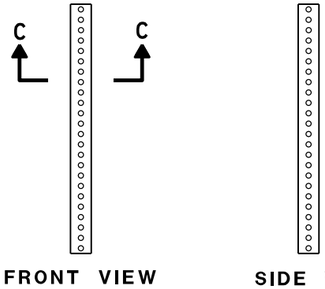
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

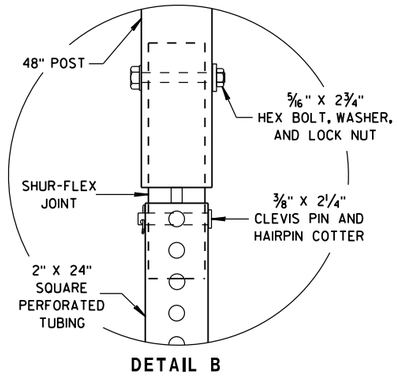
ALTERNATE 2



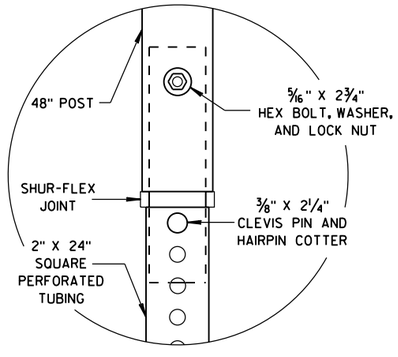
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

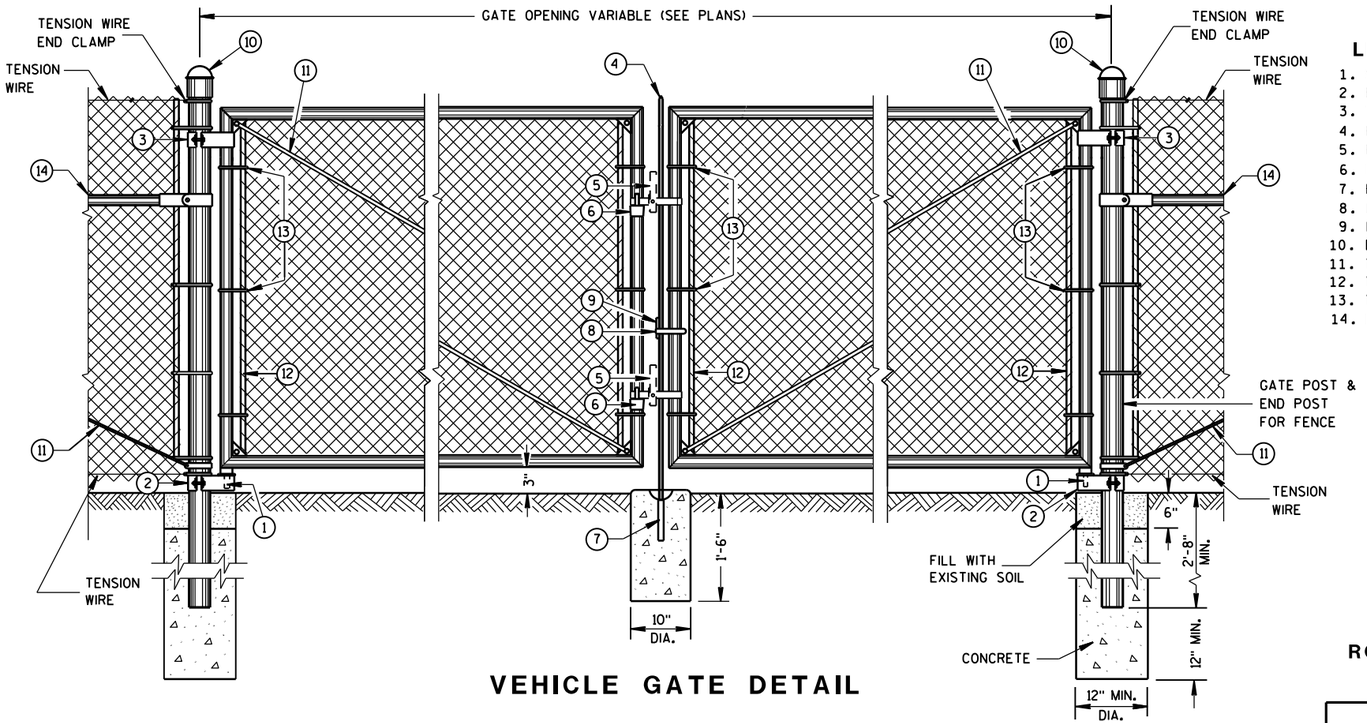
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

6

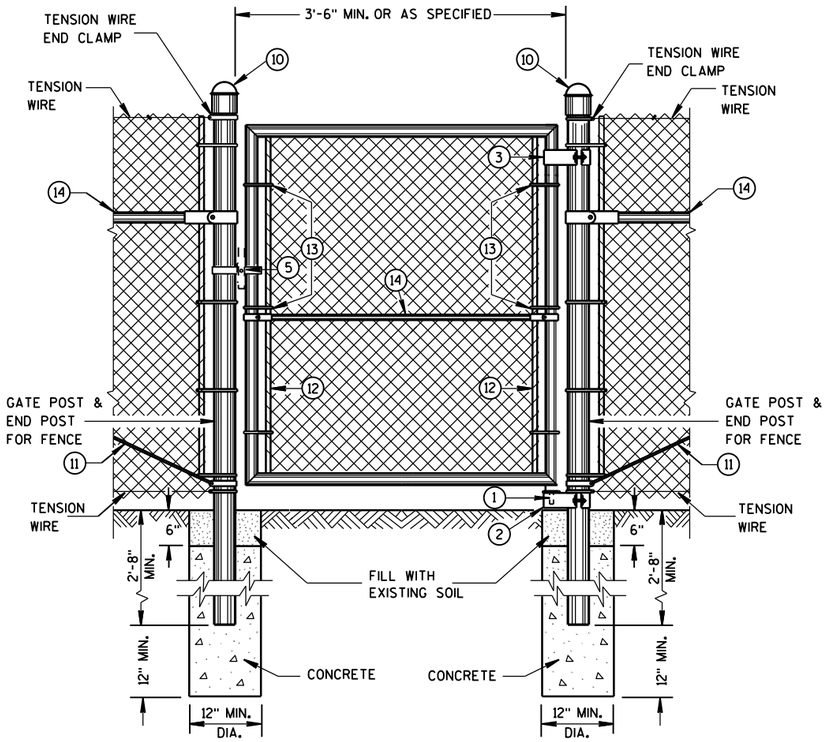
S.D.D. 15 A 3-2b

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.

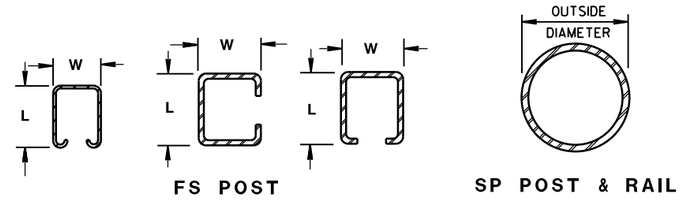
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

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

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

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

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

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

BRACE RAIL TYPES

USE		TYPE
BRACE RAIL		SP1 OR FS1

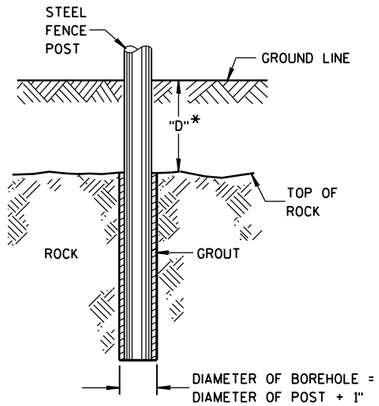
** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

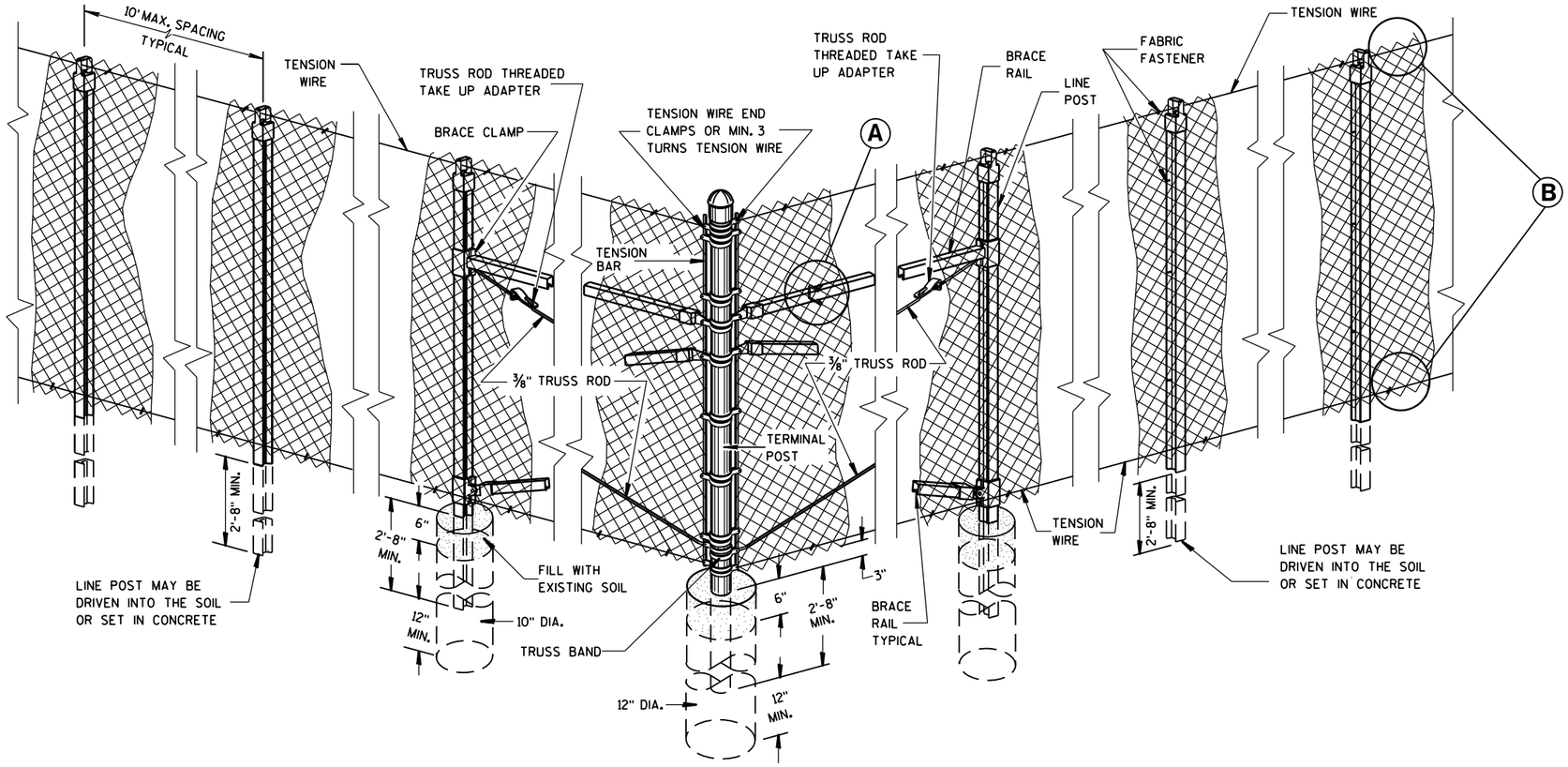
6

S.D.D. 15 B 3-15a

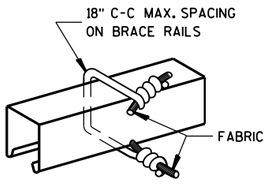


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



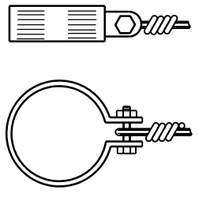
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



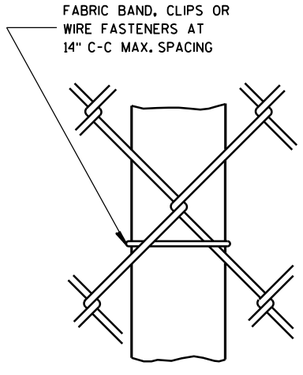
BRACE RAIL

FABRIC FASTENER

Ⓐ



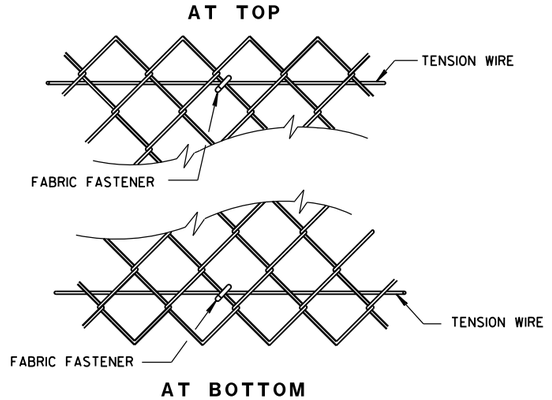
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

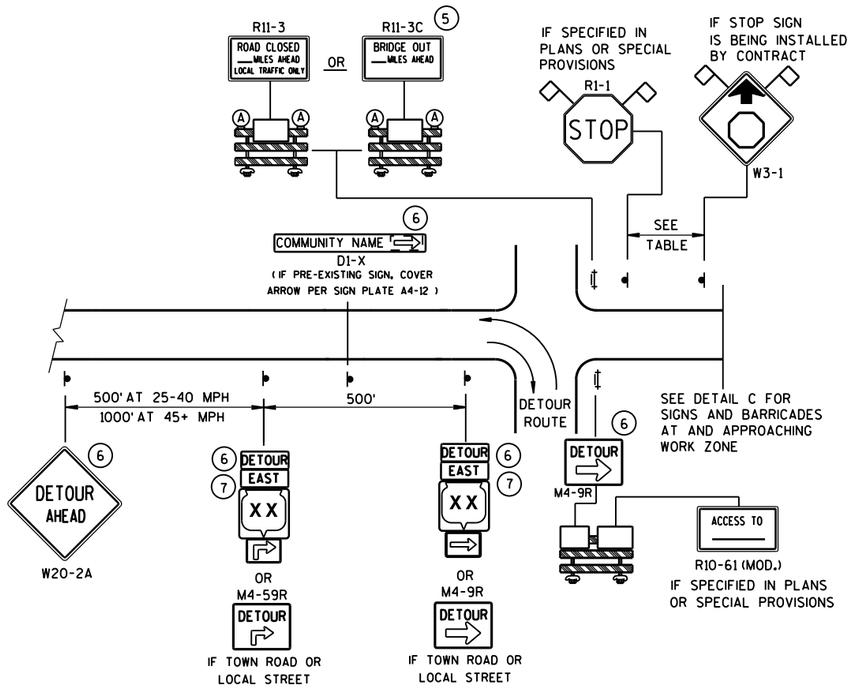
Ⓑ

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

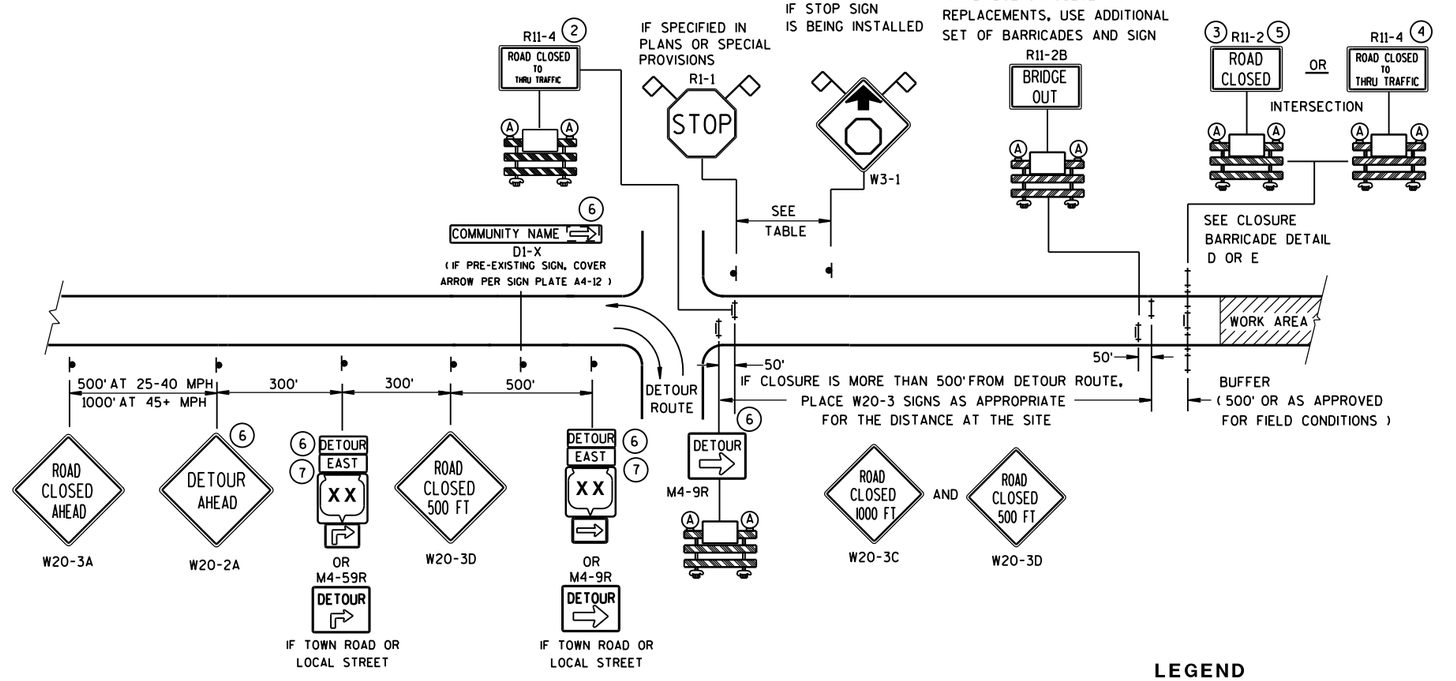
APPROVED
FEB. 2015 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 15 B 3-15b



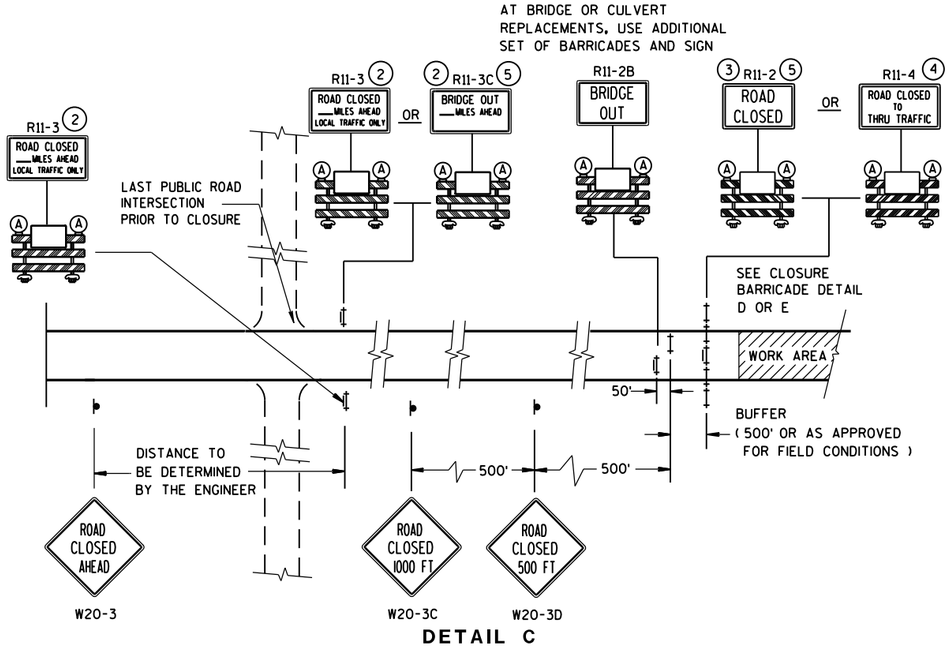
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

SEE SDD 15C2-SHEET "**b**" FOR GENERAL NOTES AND FOOTNOTES (1) THROUGH (7)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

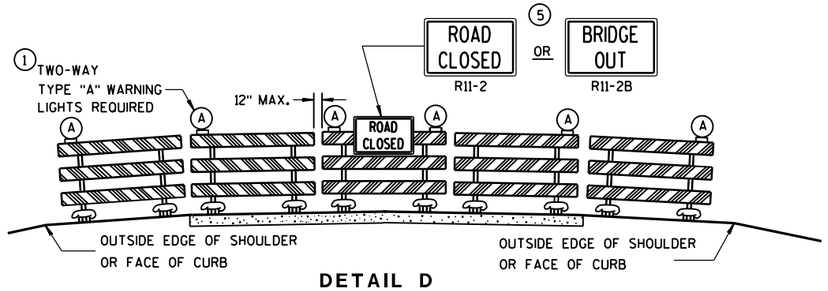
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 C 2-6a

6

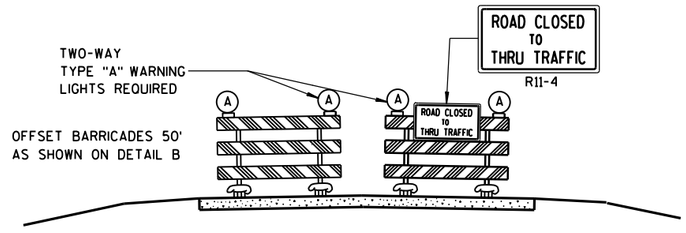
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

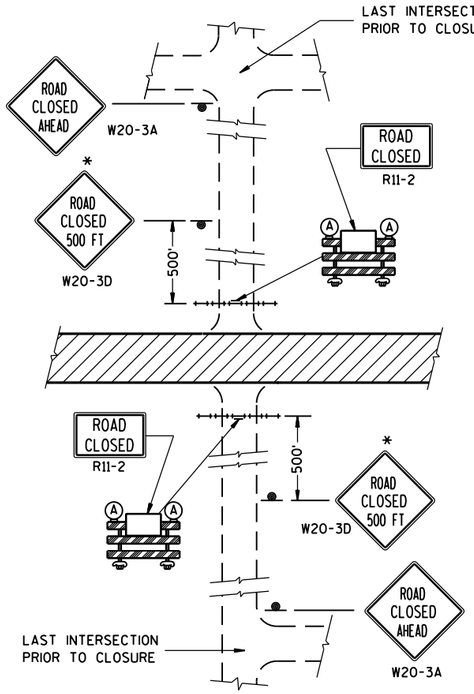
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — FIC

FHWA

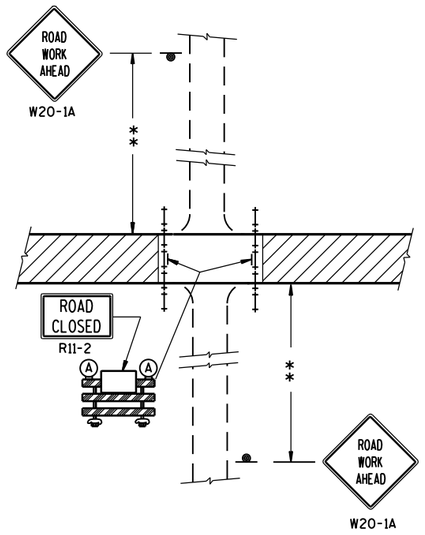
6

S.D.D. 15 C 2-6b



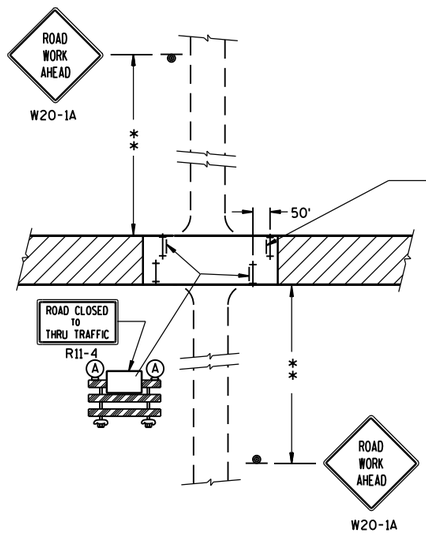
DETAIL 1

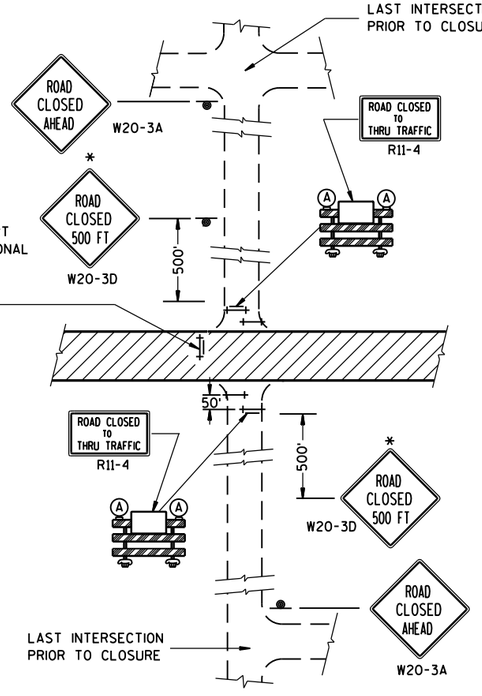
(NO ACCESS TO PROJECT)



DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).





DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).

DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

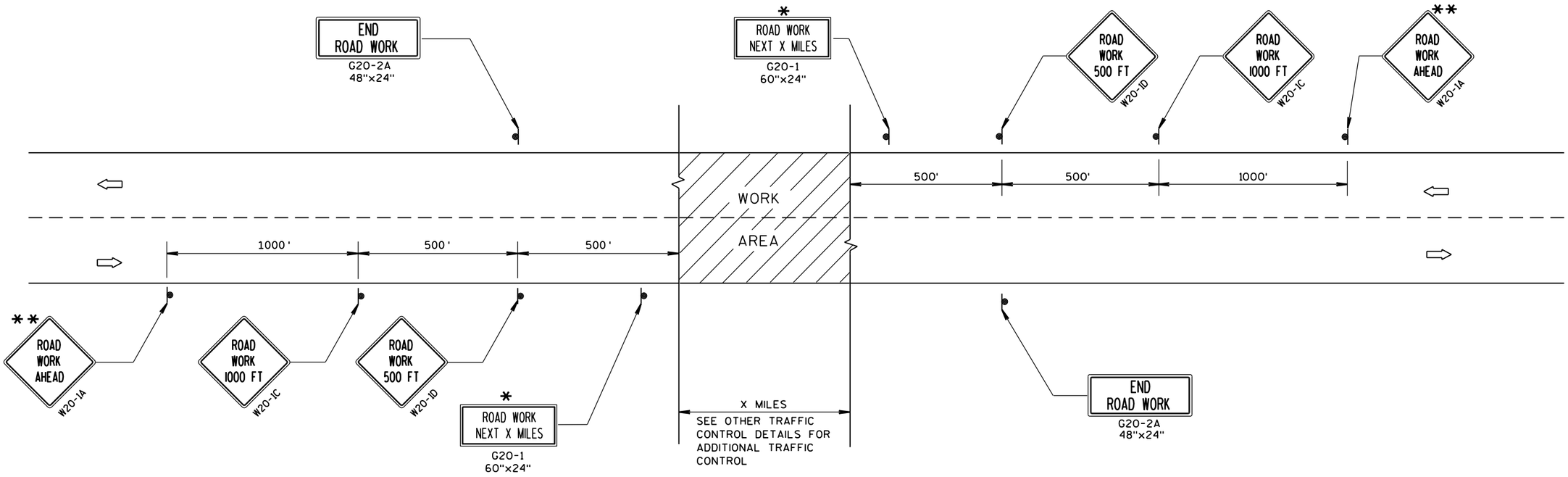
APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... TIC
FHWA

6

S.D.D. 15 C 3-3

6

S.D.D. 15 C 3-3



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL

GENERAL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

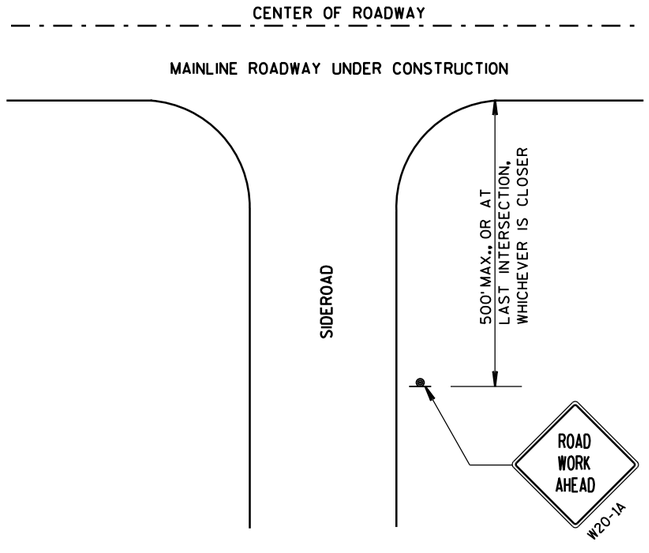
ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

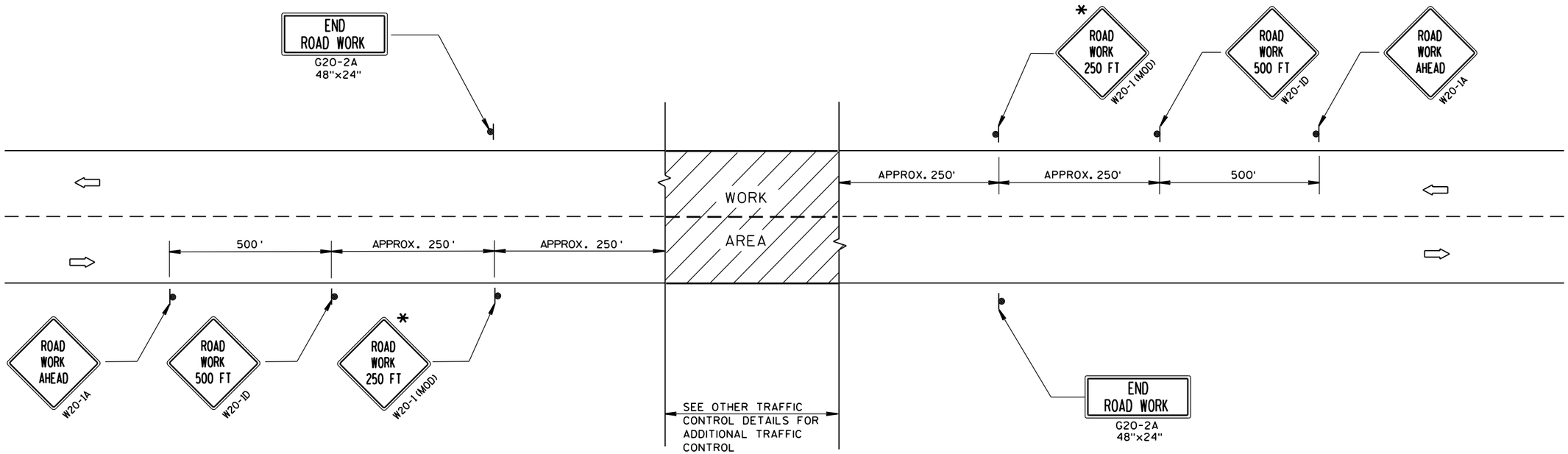
Sept. 2015	/S/ Peter Amakobe Atepe
DATE	STATEWIDE WORK ZONE SAFETY ENGINEER

FHWA

6

S.D.D. 15 C 4-3

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

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

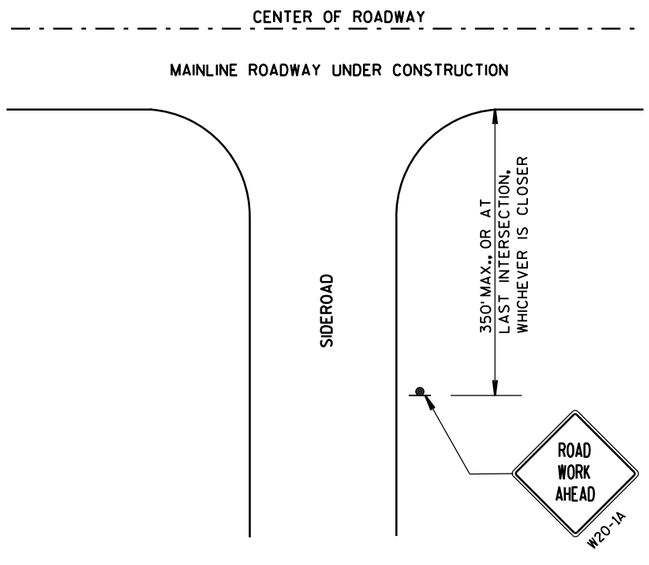
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

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



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

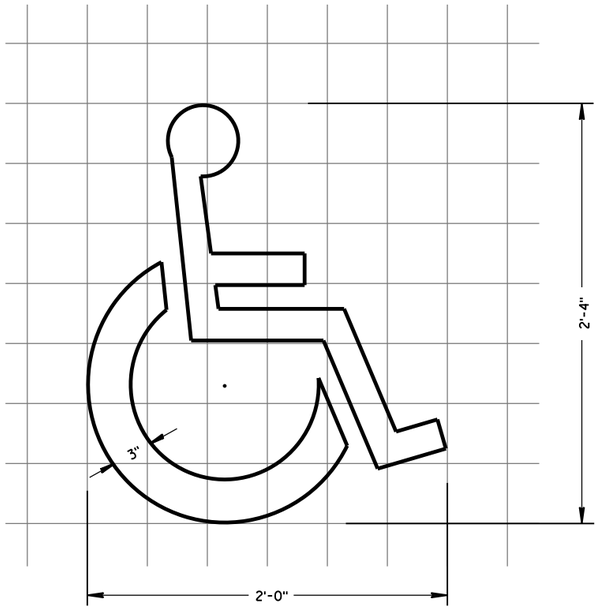
APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

6

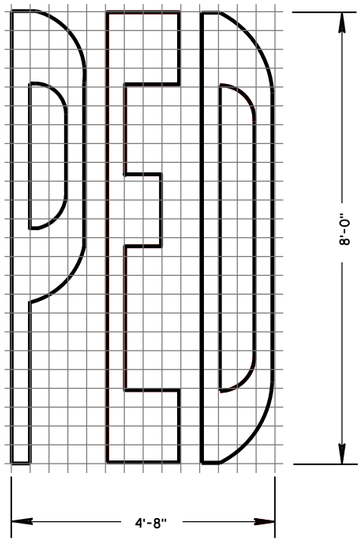
S.D.D. 15 C 5-3

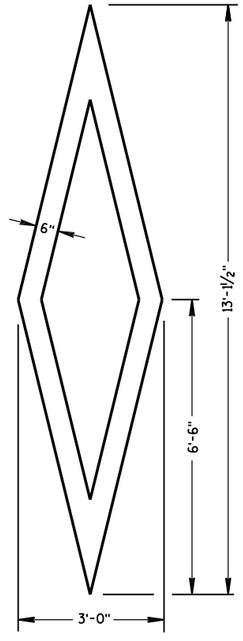
GENERAL NOTES

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



HANDICAP SYMBOL





PREFERENTIAL LANE SYMBOL

6

6

S.D.D. 15 C 7-14a

S.D.D. 15 C 7-14a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

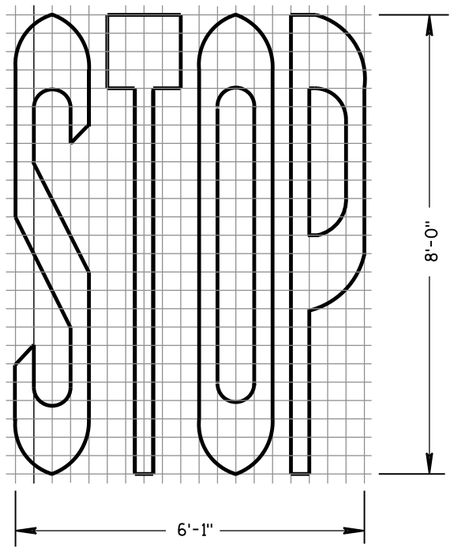
June 2017 — DATE

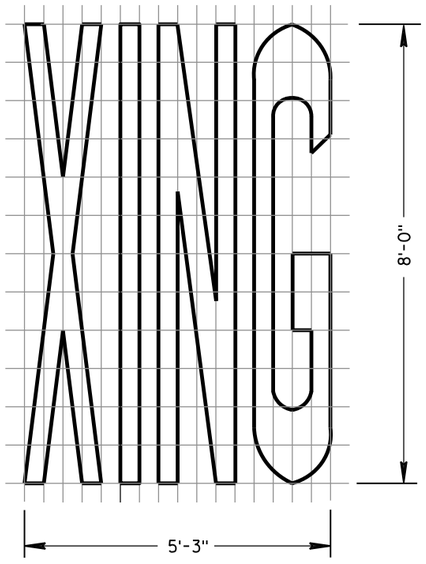
/S/ Matthew R. Rauch — STATE SIGNING AND MARK EER

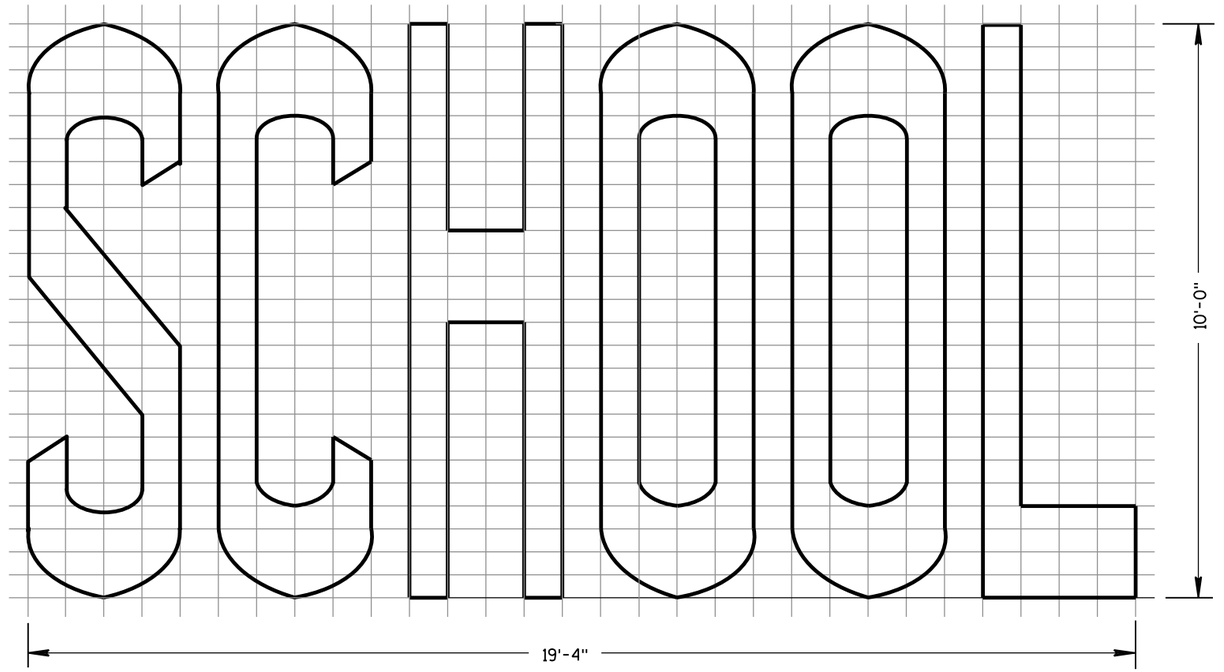
FHWA

GENERAL NOTES

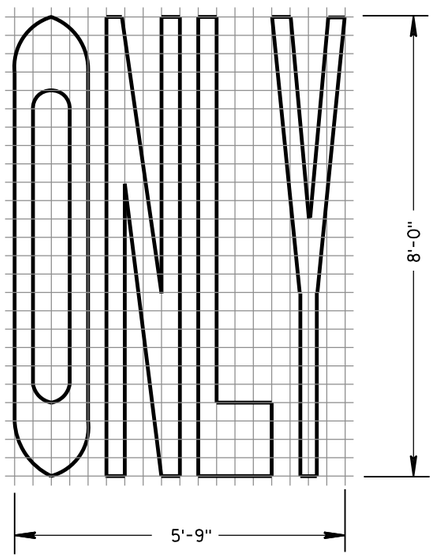
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

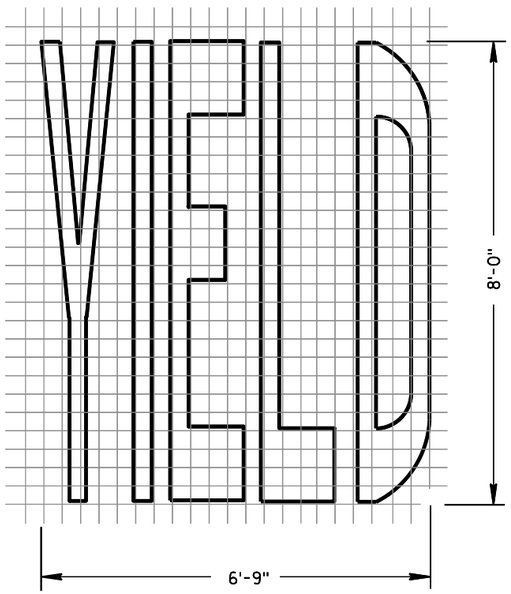


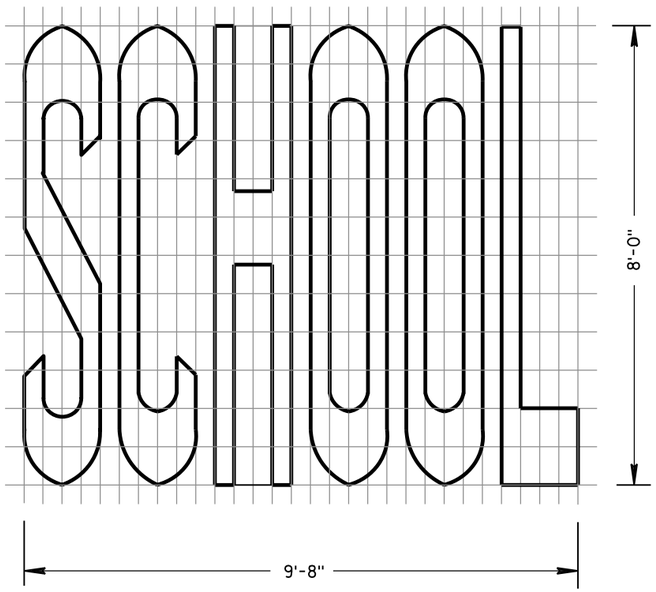




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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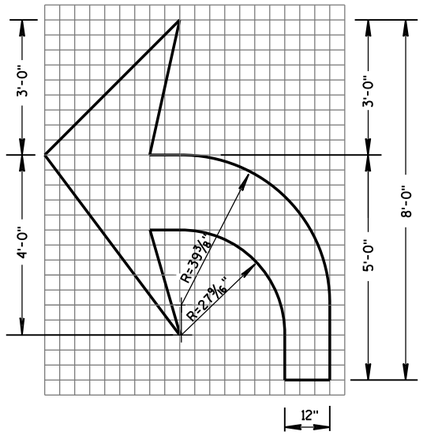
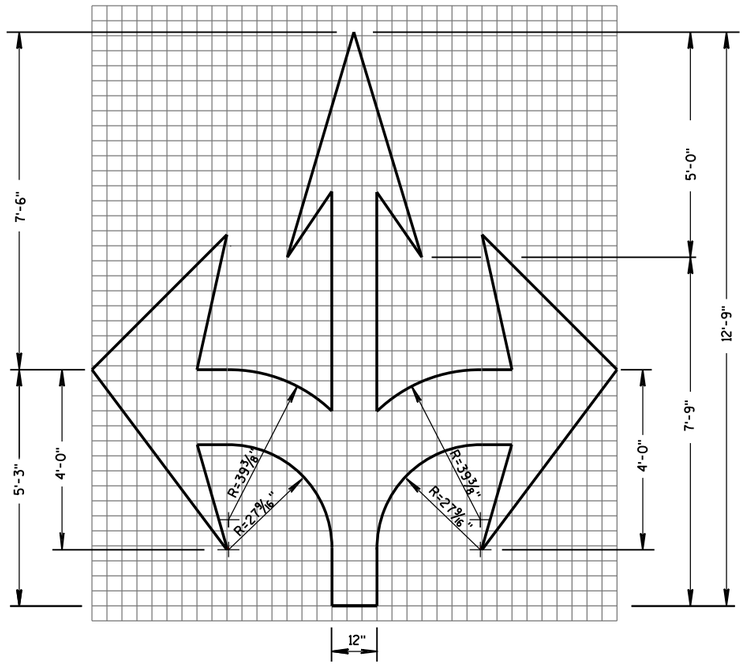
GENERAL NOTES

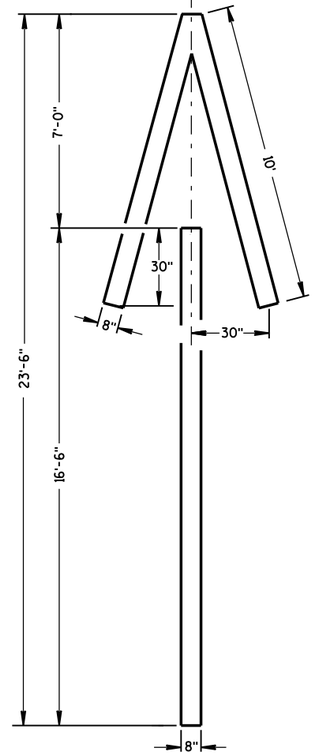
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 2



TYPE 6



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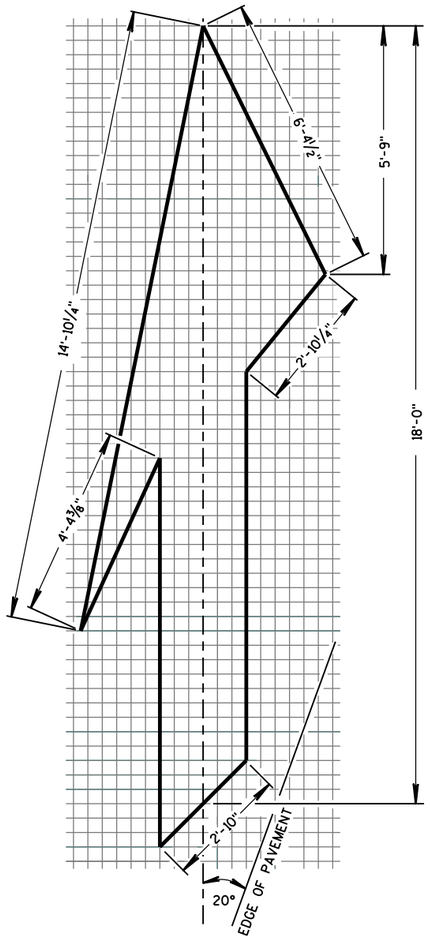
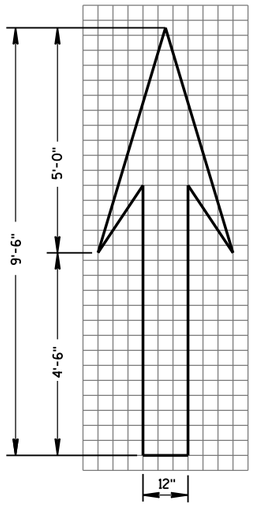
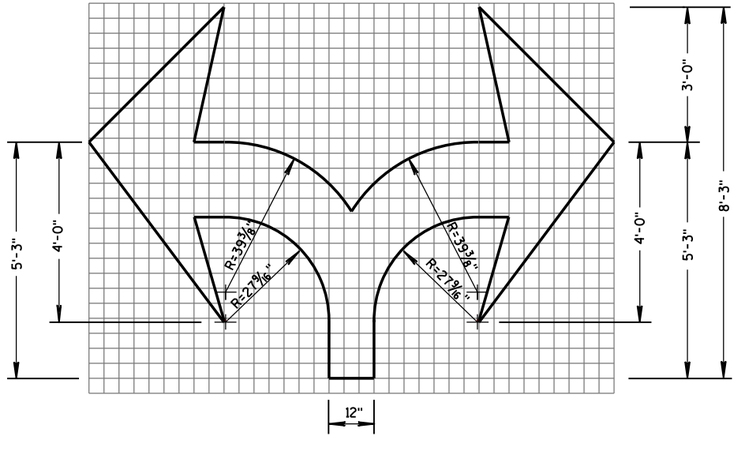


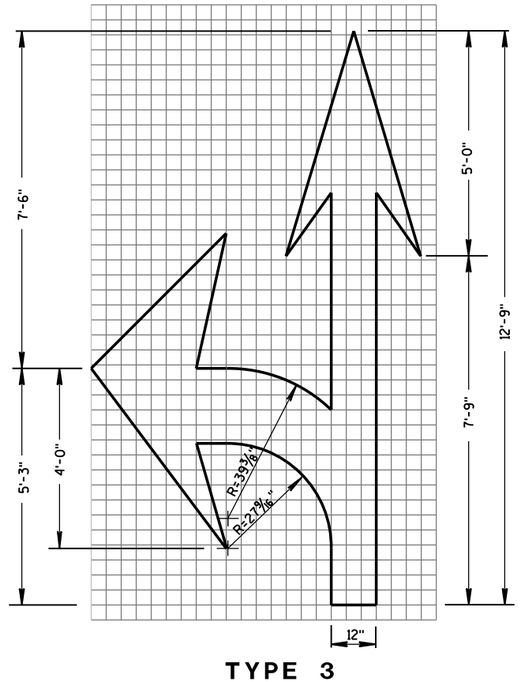
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

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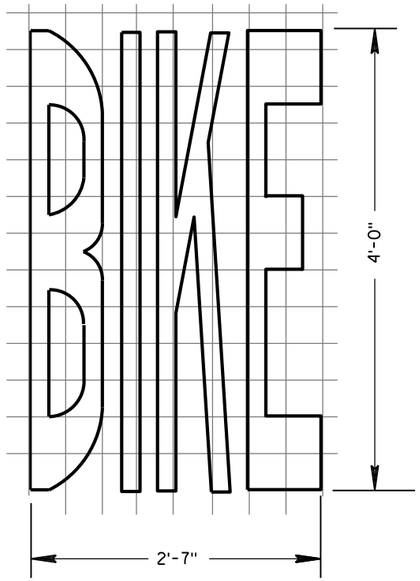
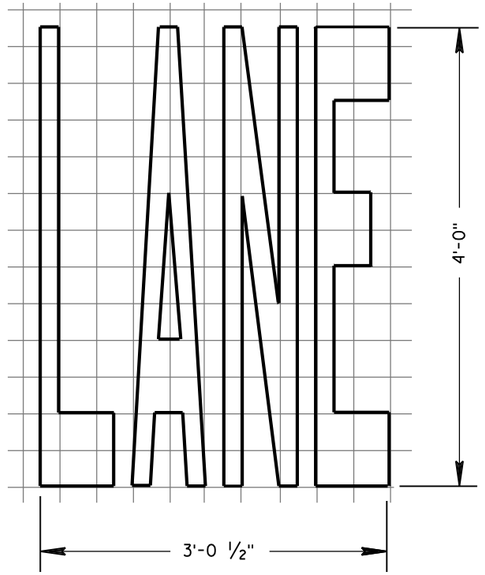
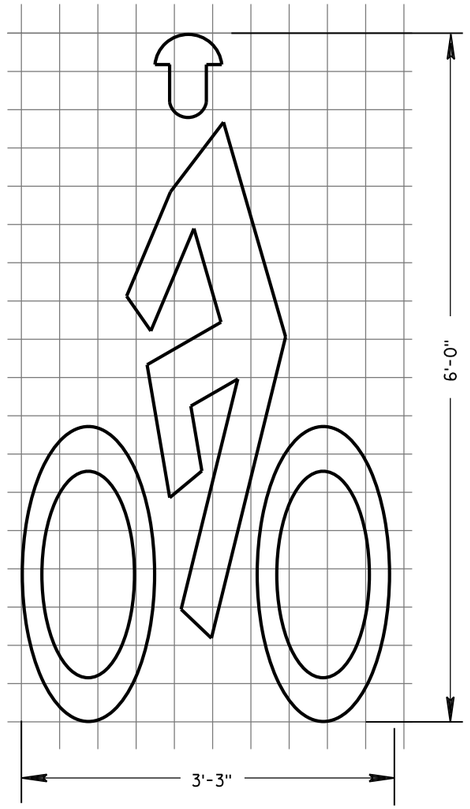
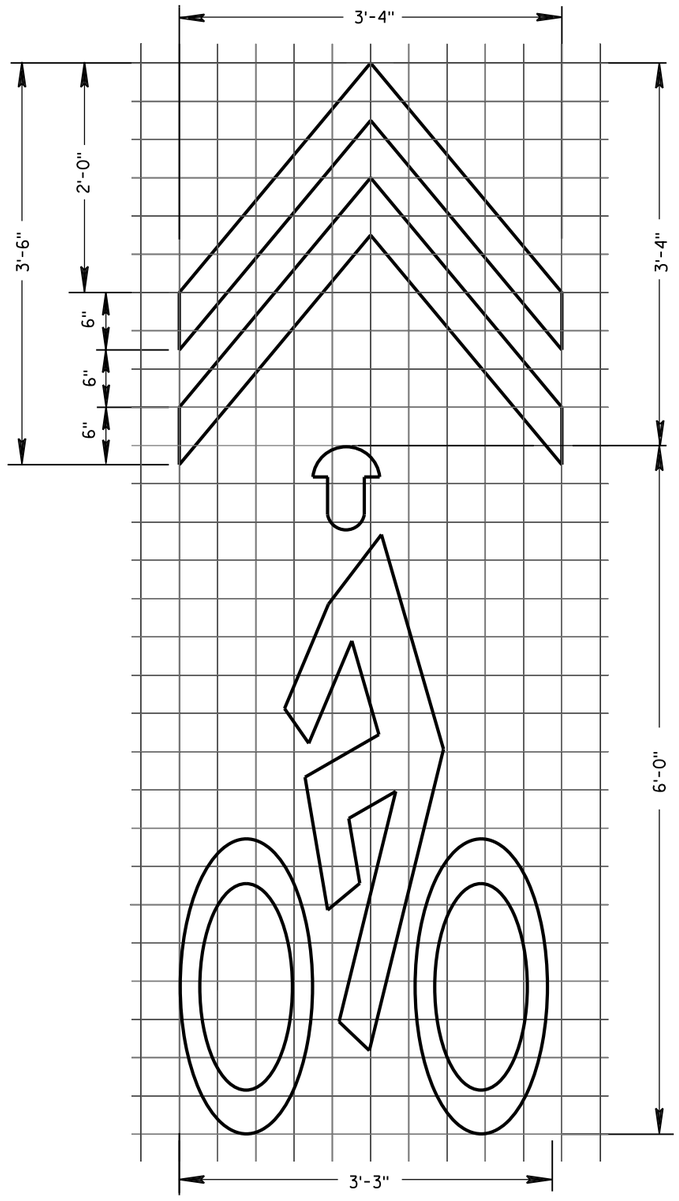




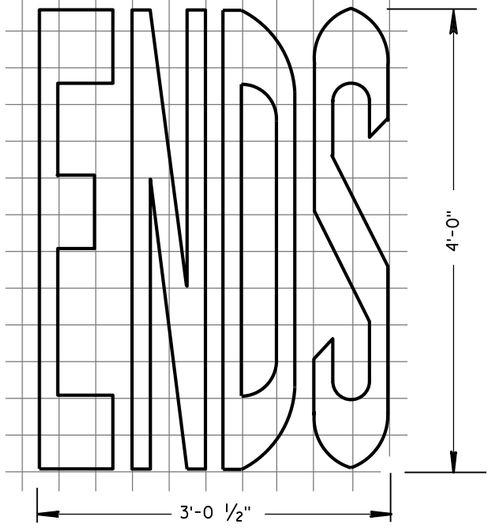
BIKE LANE WORDS



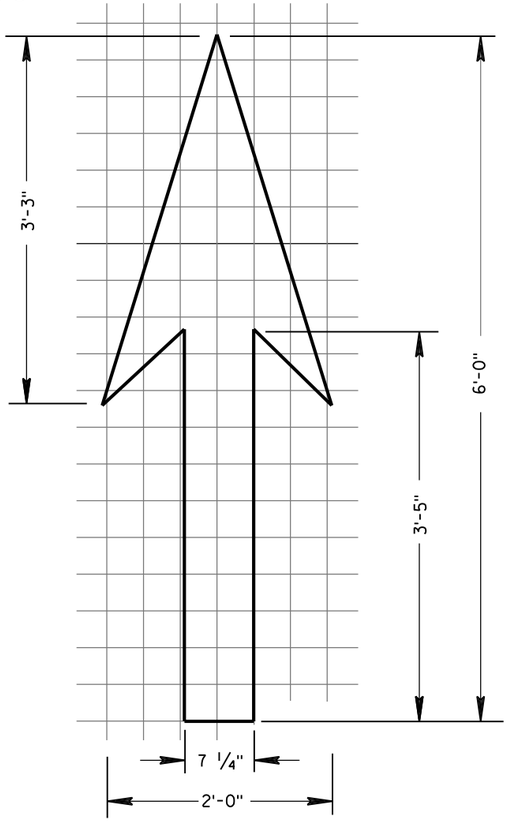
BIKE LANE SYMBOL



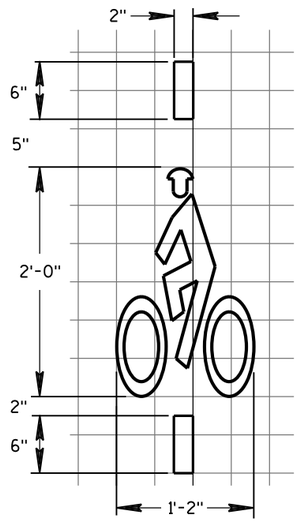
BIKE SYMBOL FOR SHARED LANE



BIKE LANE WORDS



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

GENERAL NOTES

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

PAVEMENT MARKING FOR BIKE LANES

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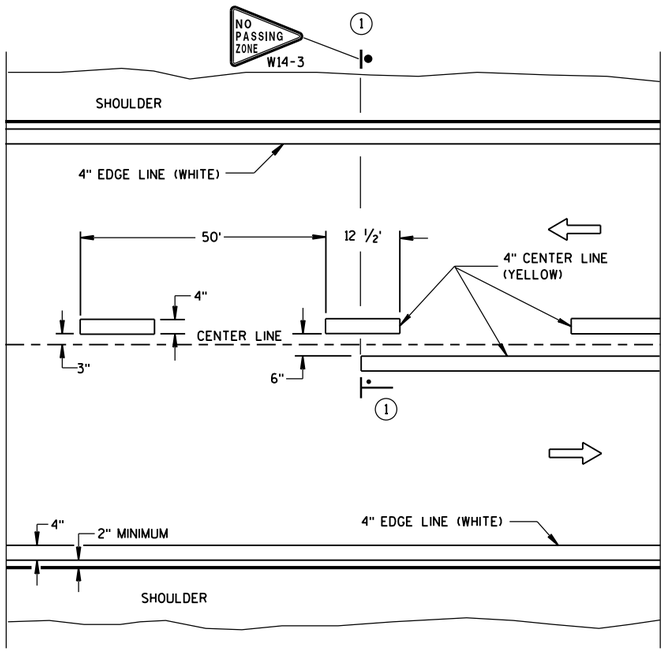
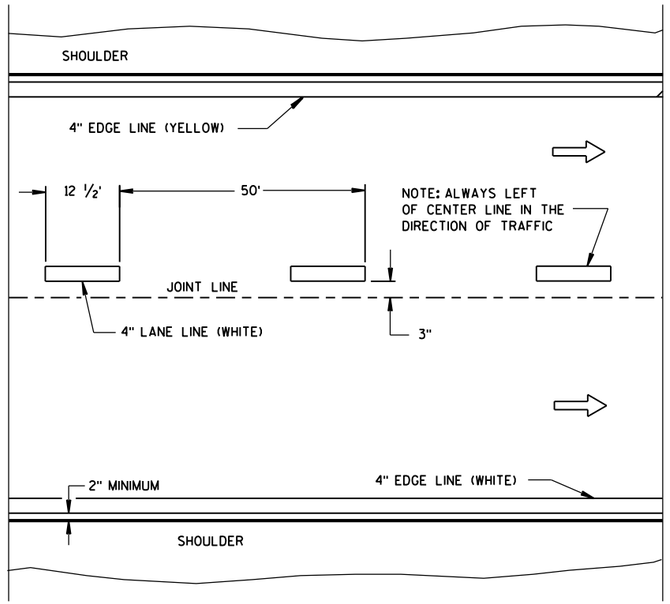


TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

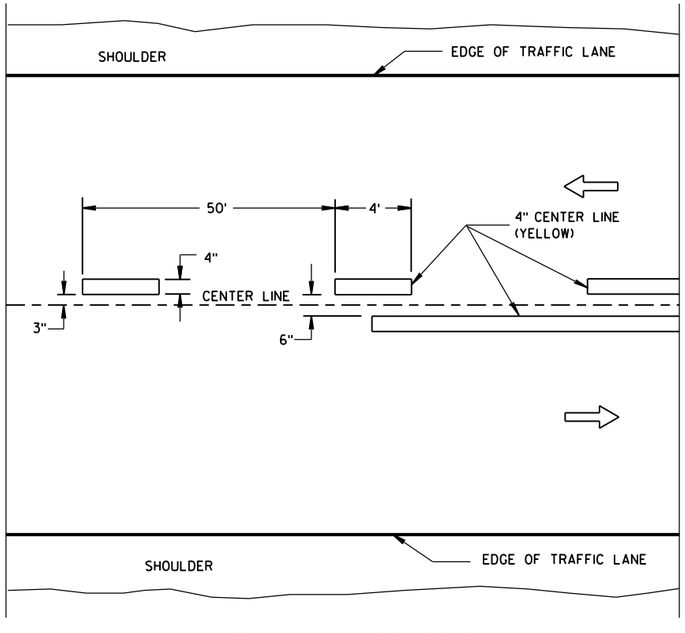
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

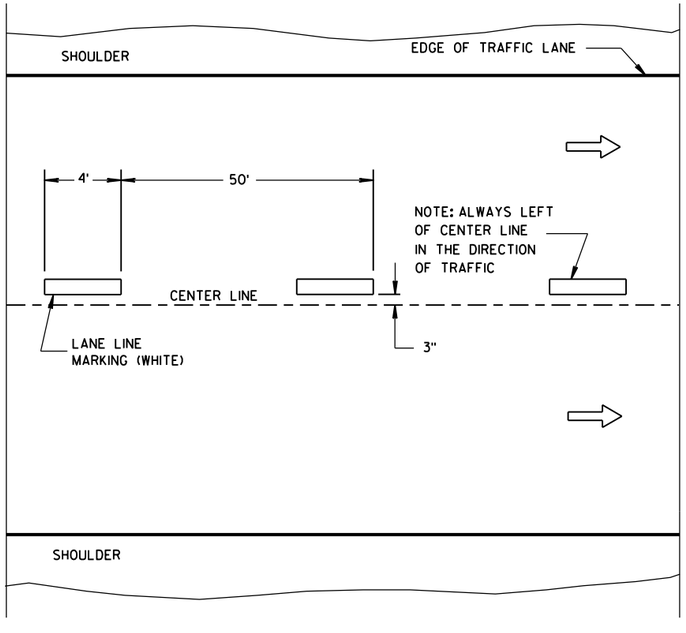
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

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S.D.D. 15 C 8-18a

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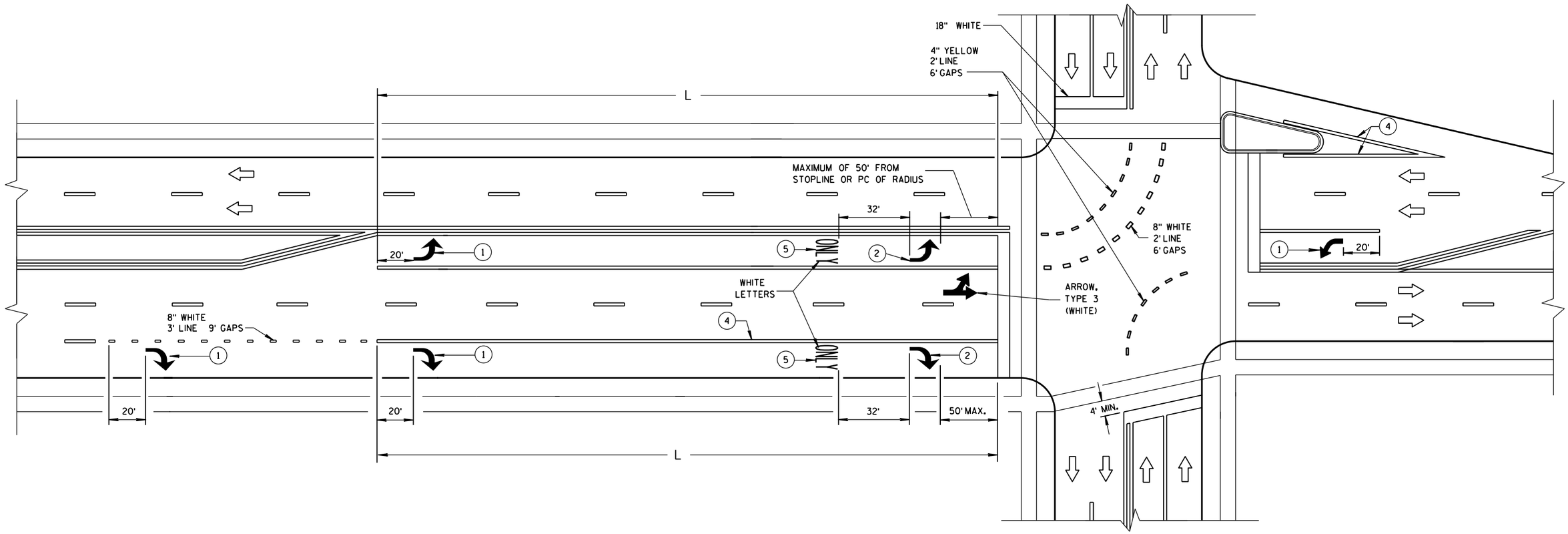
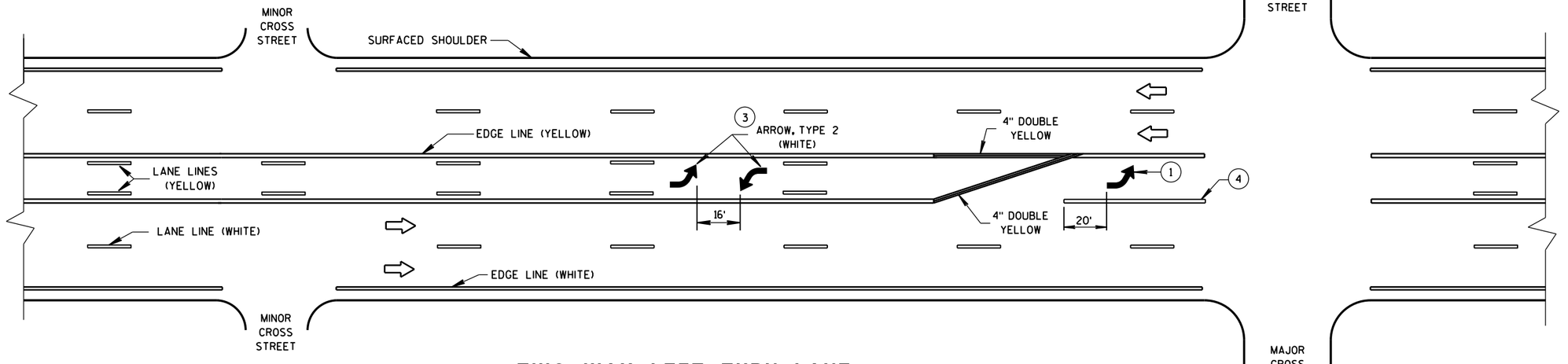
S.D.D. 15 C 8-18a





GENERAL NOTES

(1) REQUIRED ARROW, TYPE 2 (WHITE).

(2) REQUIRED ARROW, TYPE 2 (WHITE) WHEN L IS GREATER THAN 78 FEET AND LESS THAN OR EQUAL TO 166 FEET.

(3) A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.

(4) 8" WHITE

(5) REQUIRED WORD ONLY WHEN L IS GREATER THAN 166 FEET.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL

L = LENGTH OF TURN BAY

TWO WAY LEFT TURN LANE

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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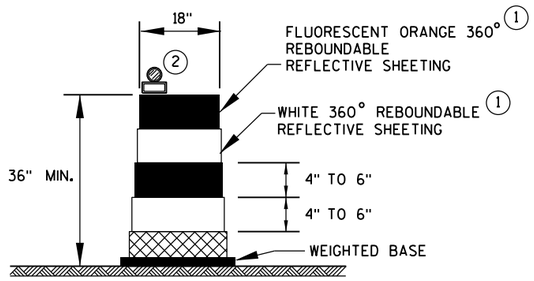
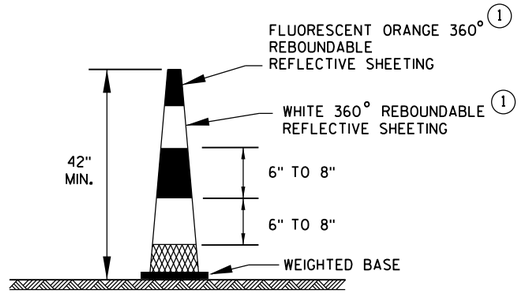
S.D.D. 15 C 8-18b



DRUM

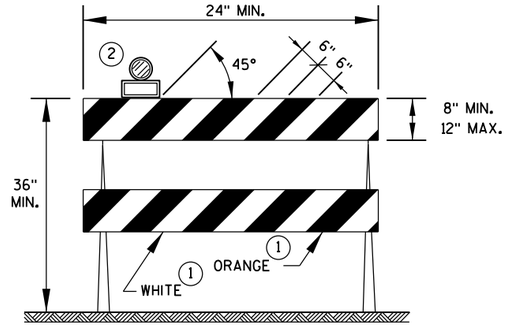


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

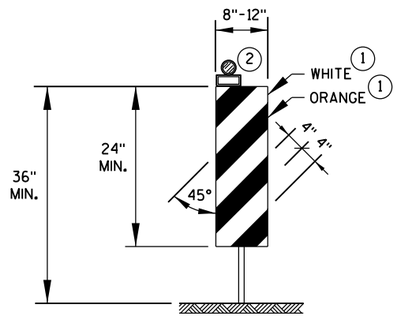
GENERAL NOTES

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.



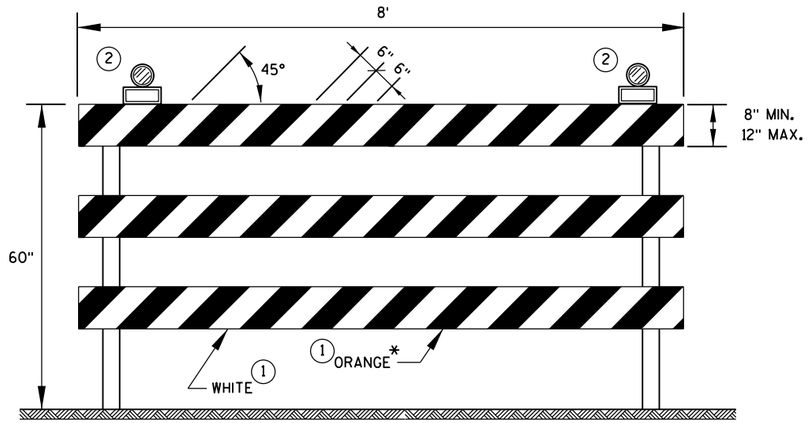
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 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

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LEGEND

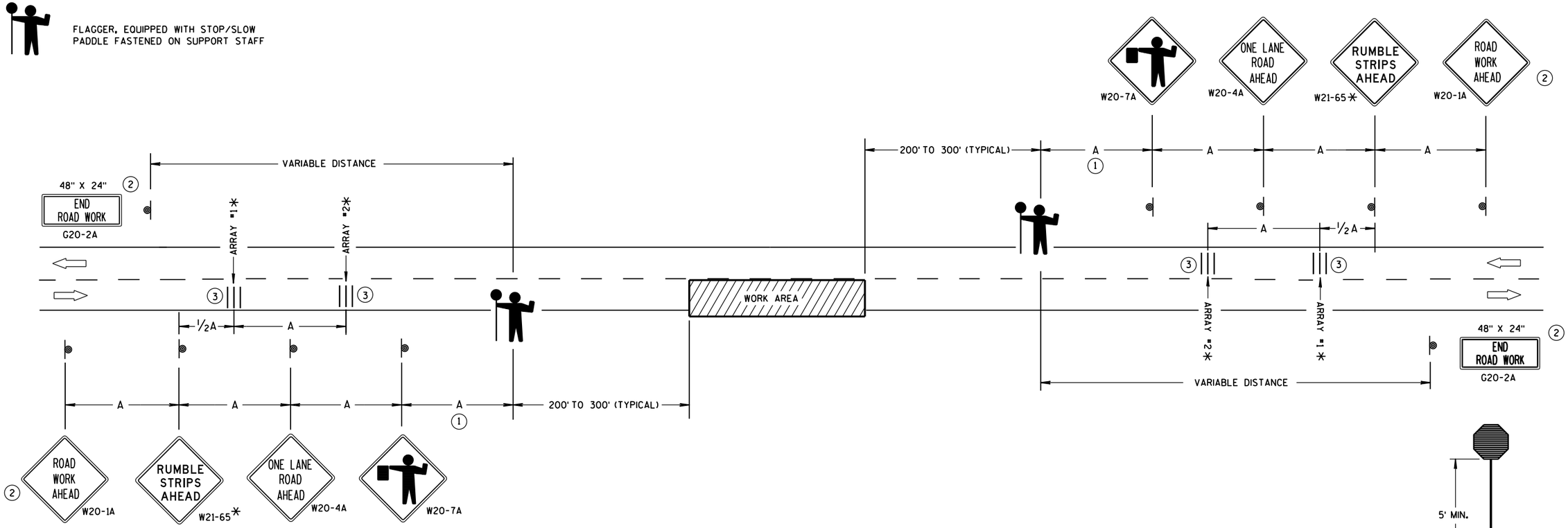
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

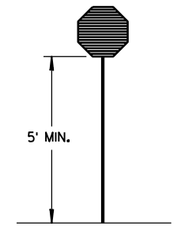
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING A
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

W03-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING A.





STOP/SLOW PADDLE ON SUPPORT STAFF

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE LOCATION OF ALL FLAGGERS) SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

(1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(3) EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
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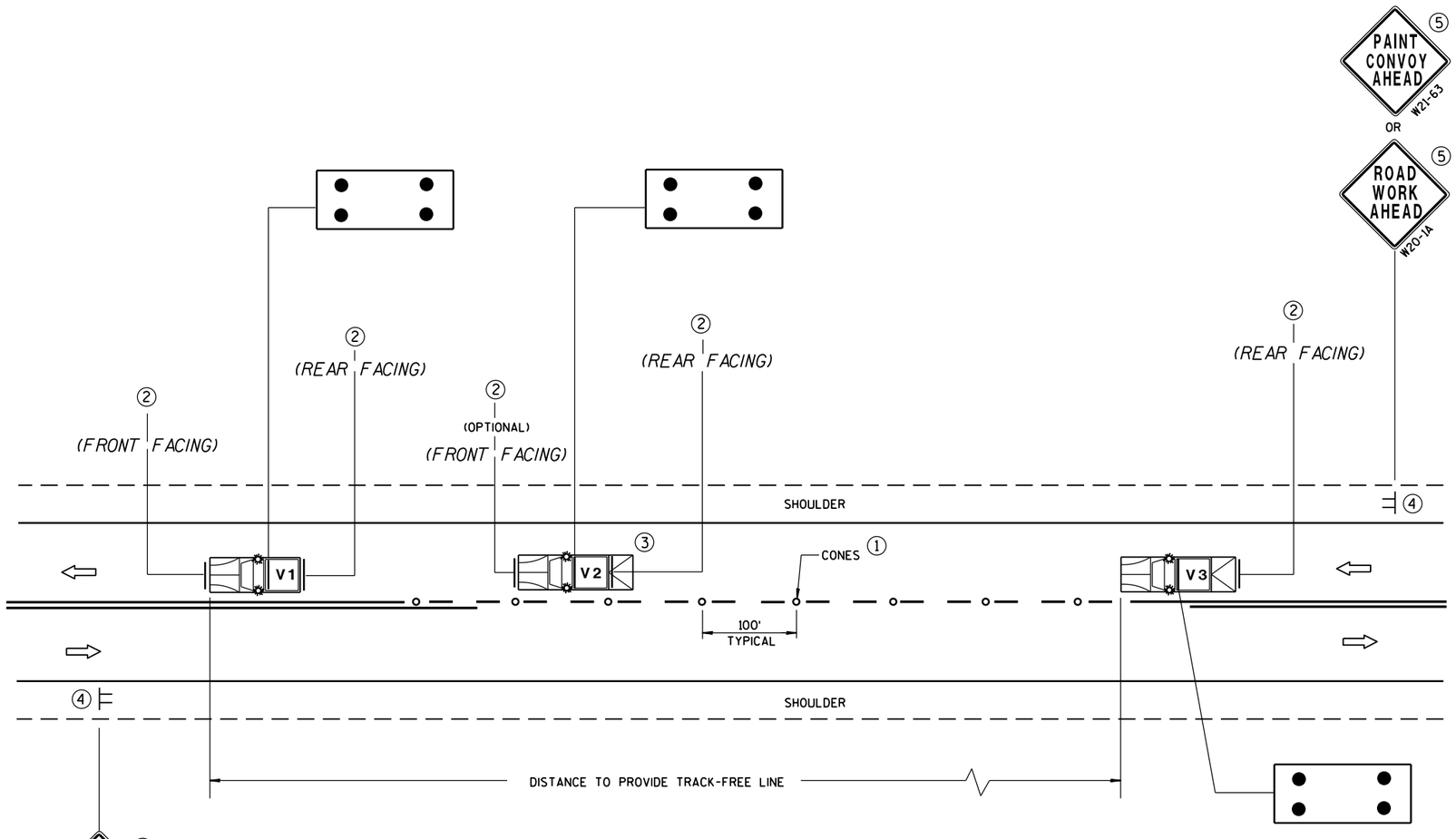

MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) OPTIONAL TRUCK-MOUNTED ATTENUATOR.

(4) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(5) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

- **V1** LEAD VEHICLE
- **V2** SHADOW VEHICLE
- **V3** TRAIL VEHICLE WITH TMA
- **TMA** TRUCK-MOUNTED ATTENUATOR
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- CONES
- FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2016 DATE FHWA	/S/ Peter Amakobe Atepe STATEWIDE WORK ZON SAFETY ENGINE

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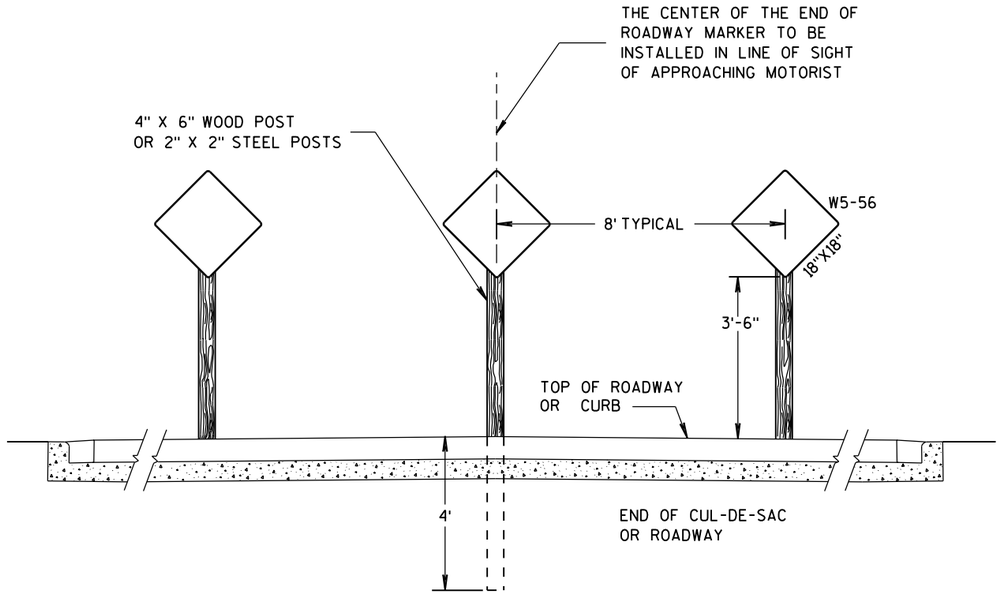
S.D.D. 15 C 19-4a

GENERAL NOTES

SIGN LOCATIONS SHOWN ARE TYPICAL PLACEMENT AND MAY BE ADJUSTED BY THE ENGINEER AS FIELD CONDITIONS DICTATE.

THE MINIMUM NUMBER OF END-OF-ROADWAY SIGNS ARE THREE (AS SHOWN). ADDITIONAL END-OF-ROADWAY SIGNS MAY BE INSTALLED AS FIELD CONDITIONS DICTATE. (SEE SIGNING PLAN).

WHEN BEAMGUARD IS REQUIRED, PLACE END-OF-ROADWAY SIGNING BEHIND BEAMGUARD.



TYPICAL SIGN INSTALLATION

END-OF-ROADWAY SIGNING

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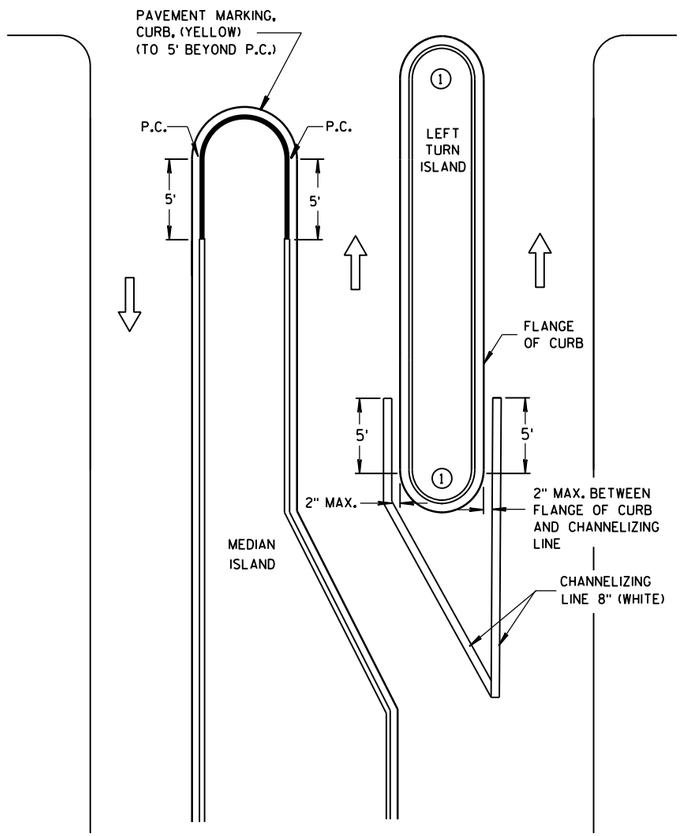
S.D.D. 15 C 26-3

GENERAL NOTE

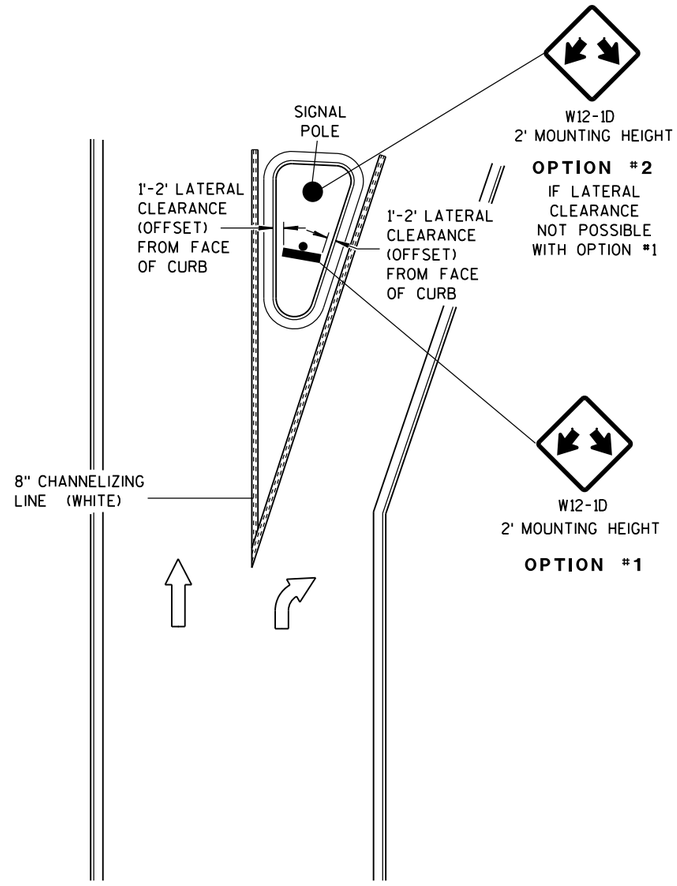
APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

DIRECTION OF TRAVEL



LEFT TURN & MEDIAN ISLAND



RIGHT TURN ISLAND

DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

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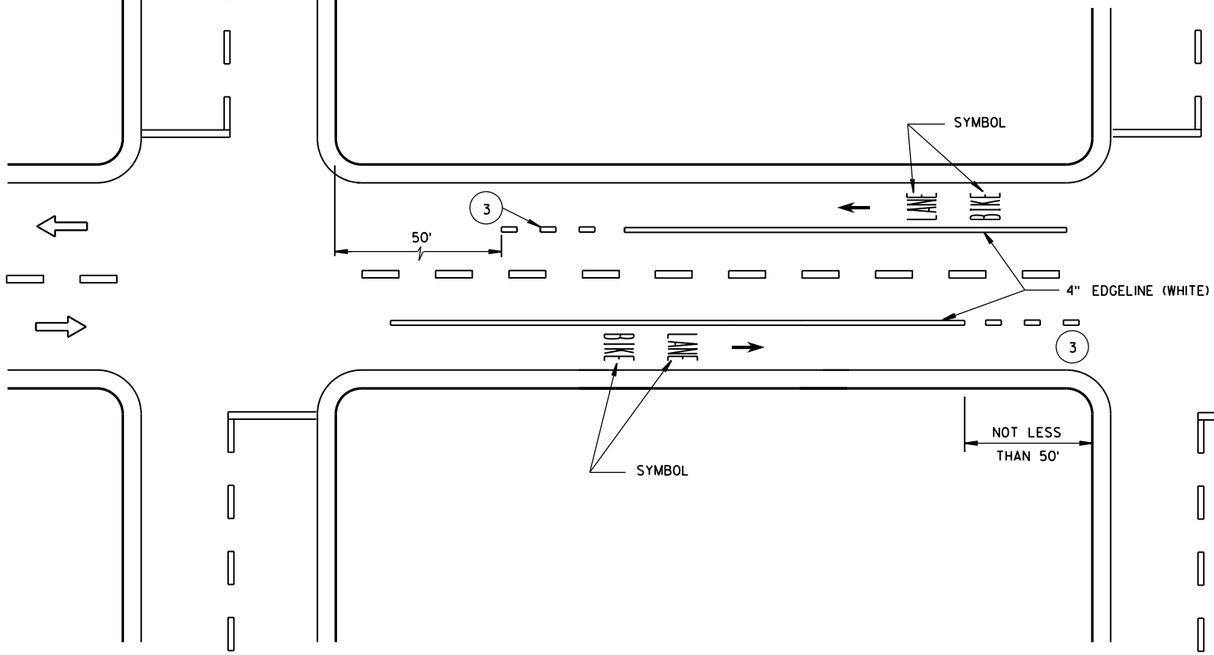
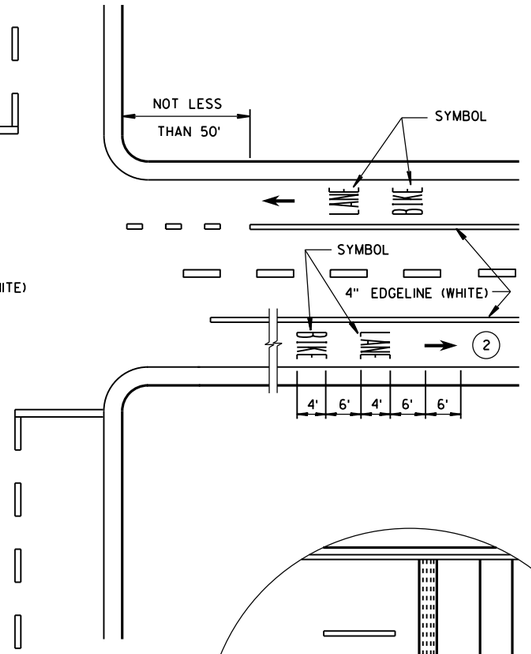
S.D.D. 15 C 27-2a



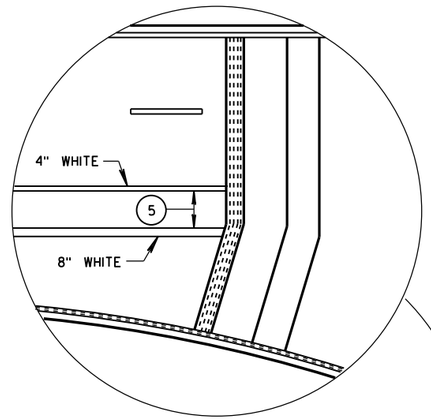


DESIGNATED BICYCLE LANE
NO PARKING

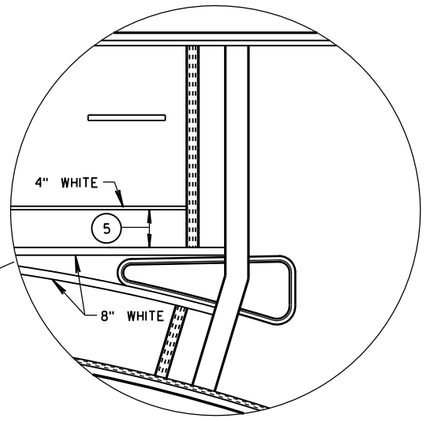
GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3'LINE, 9'GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.
5. BIKE ACCOMODATION FOR CONCRETE PAVEMENT IS 5 FEET WIDE. BIKE ACCOMODATION FOR ASPHALT PAVEMENT IS A MINIMUM OF 4 FEET. USE 5 FEET AT ≥45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FEET WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

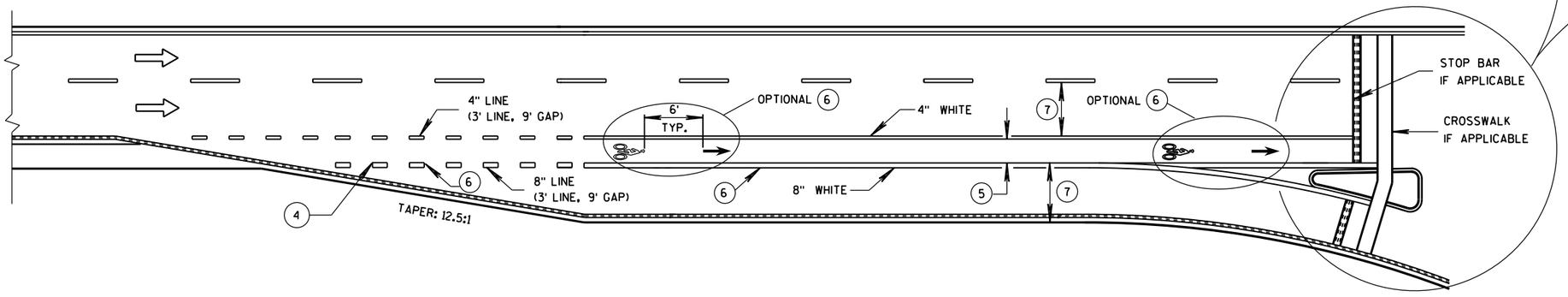
⇨ DIRECTION OF TRAVEL



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12-2016 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER
FHWA

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S.D.D. 15 C 29-5a

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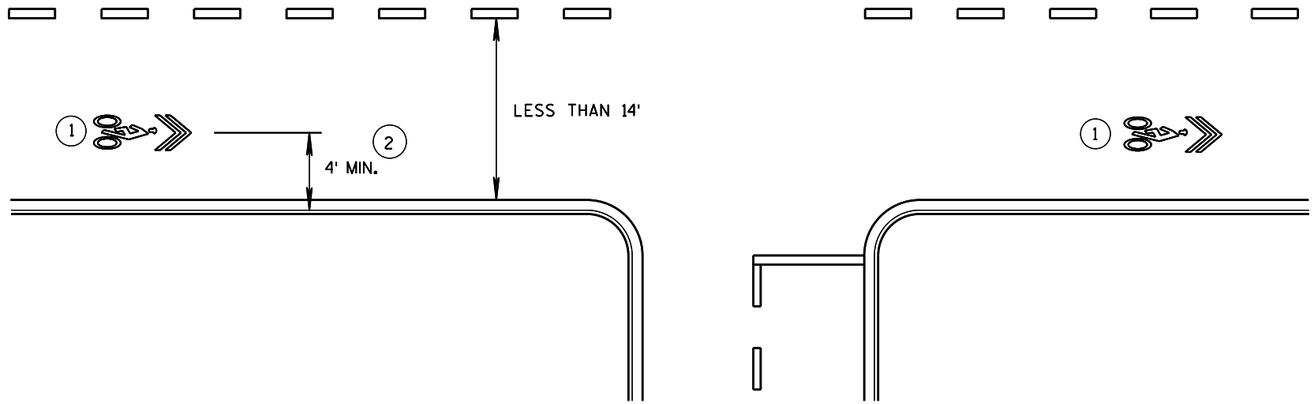
S.D.D. 15 C 29-5a

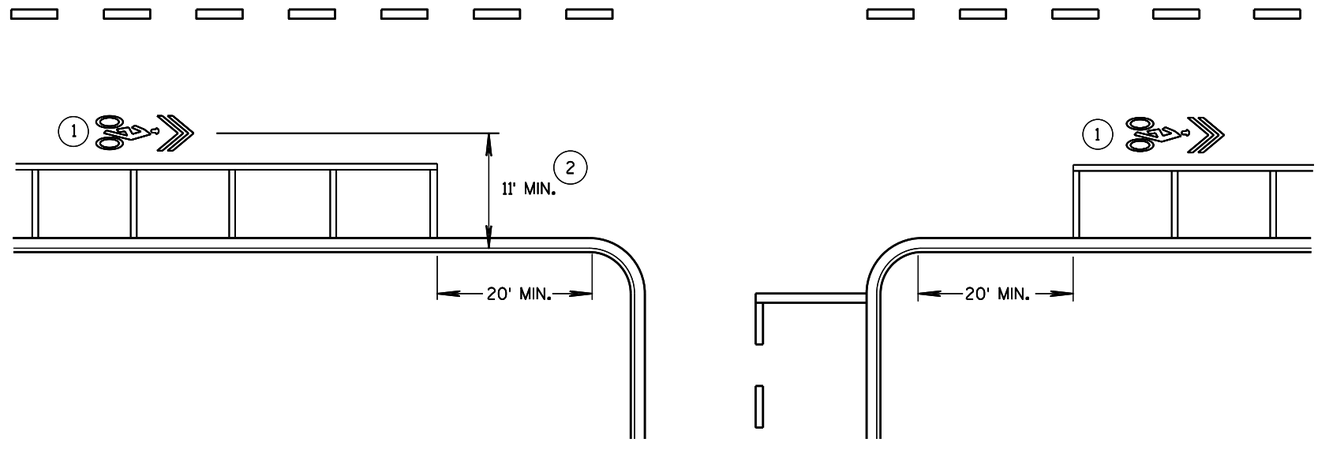
GENERAL NOTES

(1) MINIMUM OF ONE PER BLOCK, MAXIMUM OF 250 FEET.

(2) OR TO EDGE OF PAVEMENT WITHOUT CURB.



WITHOUT PARKING



WITH PARKING

PAVEMENT MARKING FOR SHARED LANE 35 MPH OR LESS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12-2016 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER
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S.D.D. 15 C 29-5b

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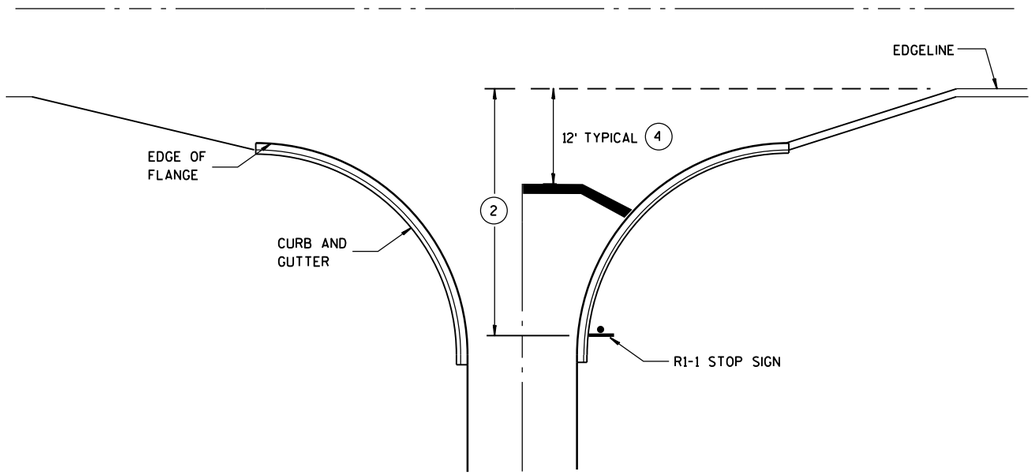
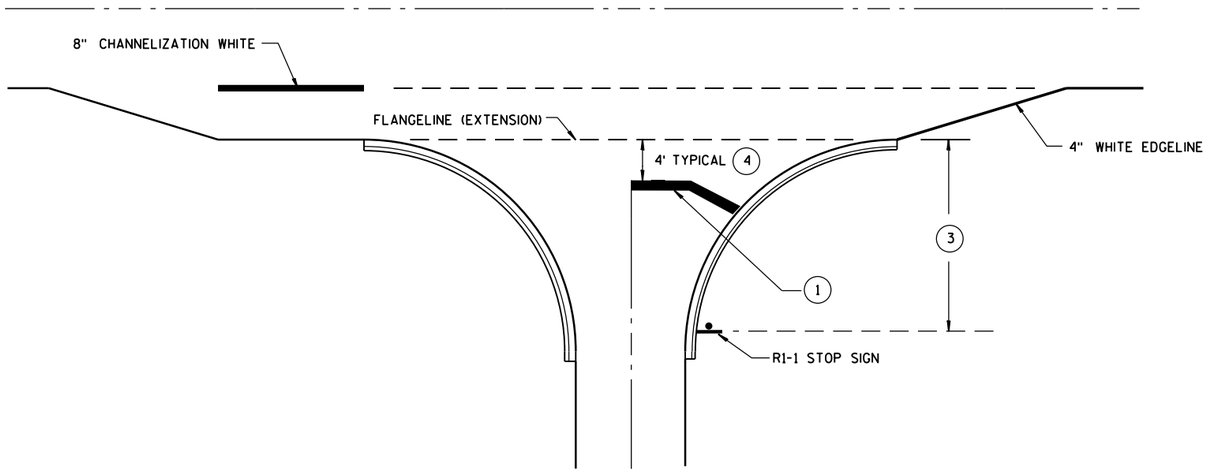
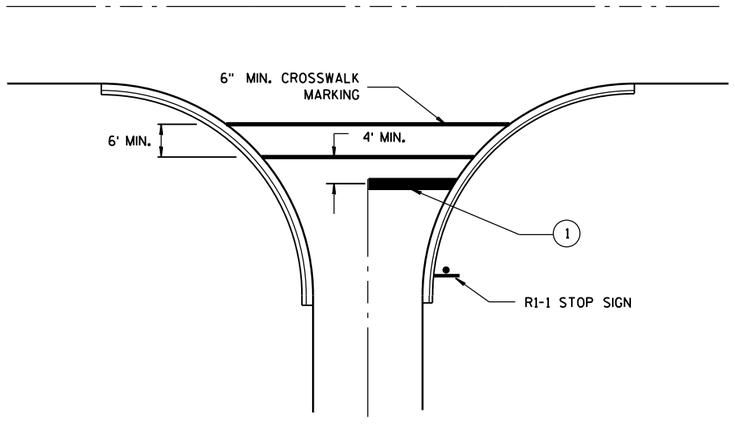
S.D.D. 15 C 29-5b



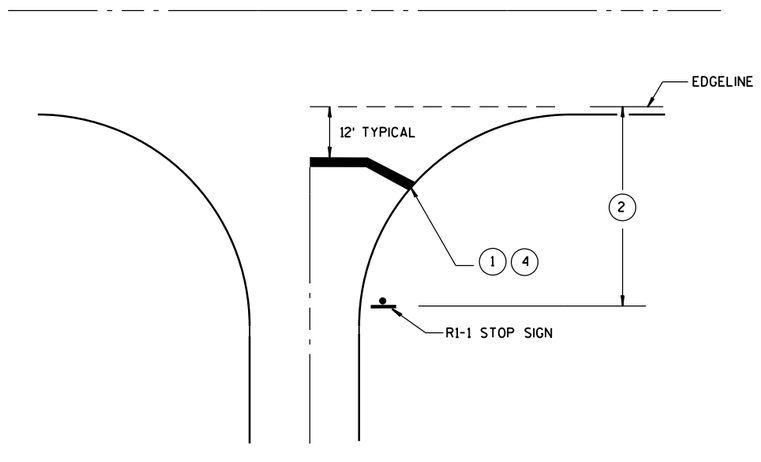
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

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

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR 346 NEER

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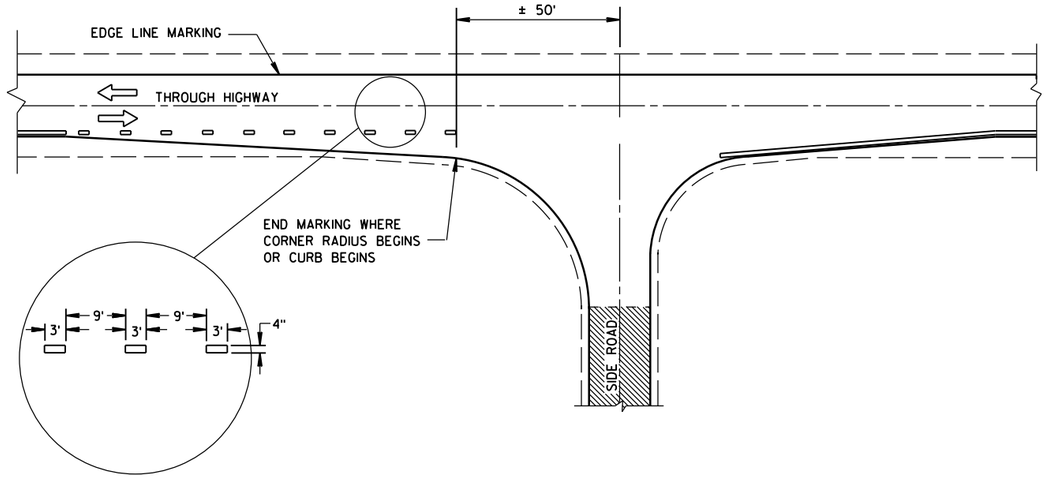
S.D.D. 15 C 33-2



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

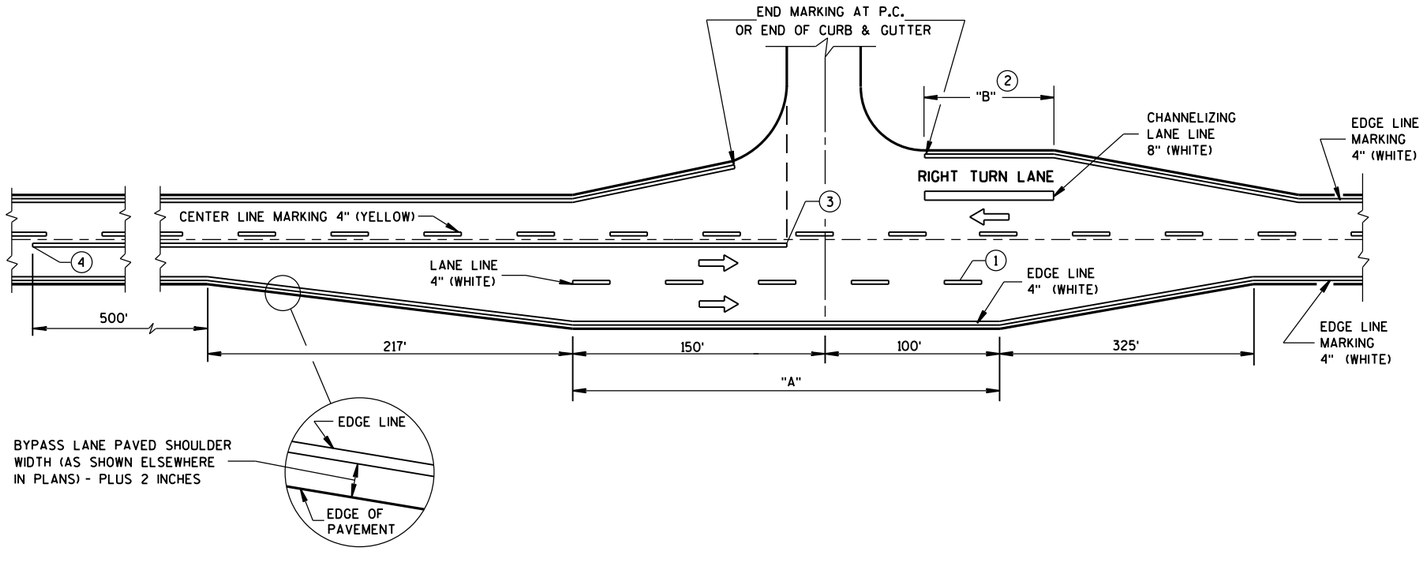
(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(4) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 C 35-1a

GENERAL NOTES

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

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

S \ W	SHOULDER TAPER LENGTH (FEET) 4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

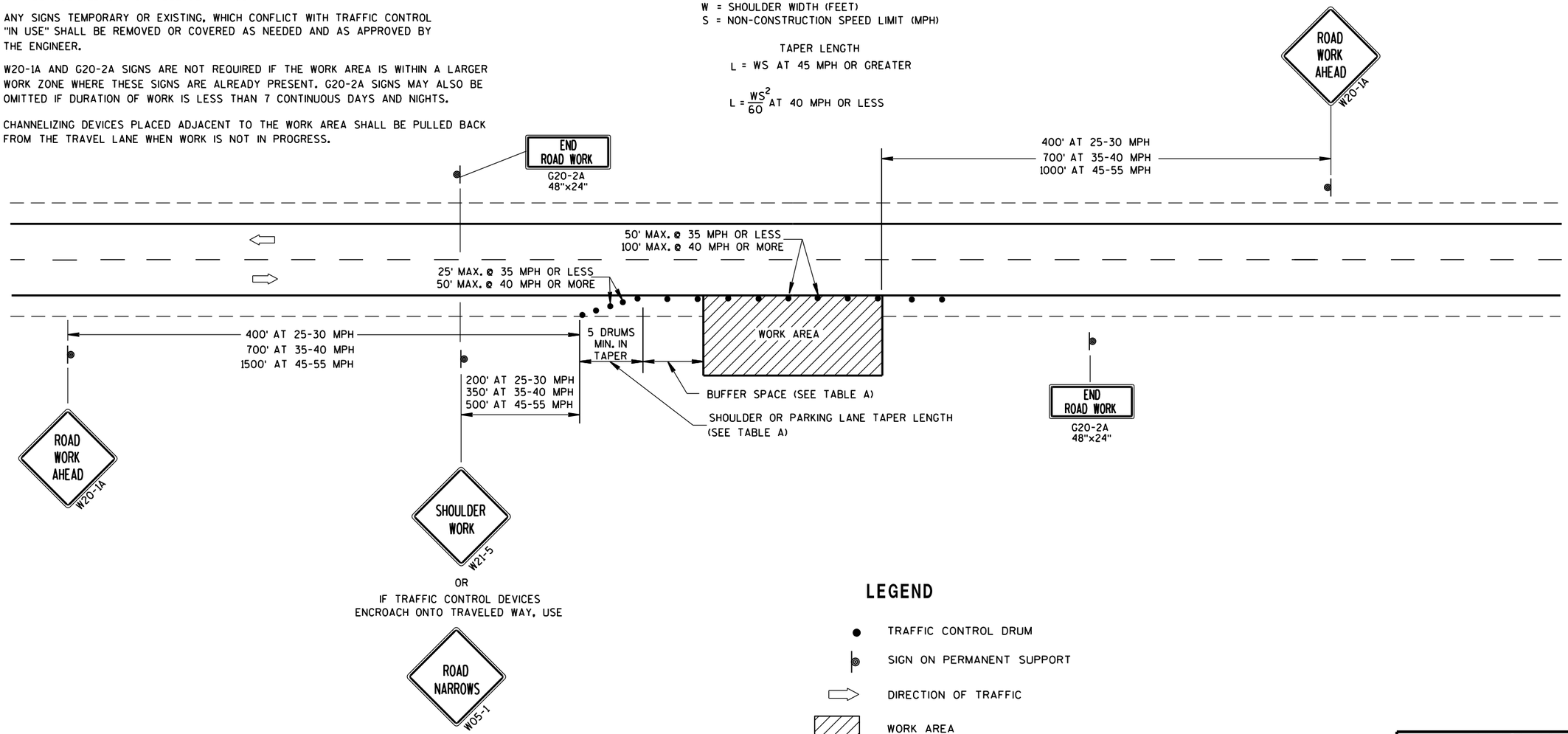
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = $\frac{1}{3}L$



LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

July 14, 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI FIC

FHWA

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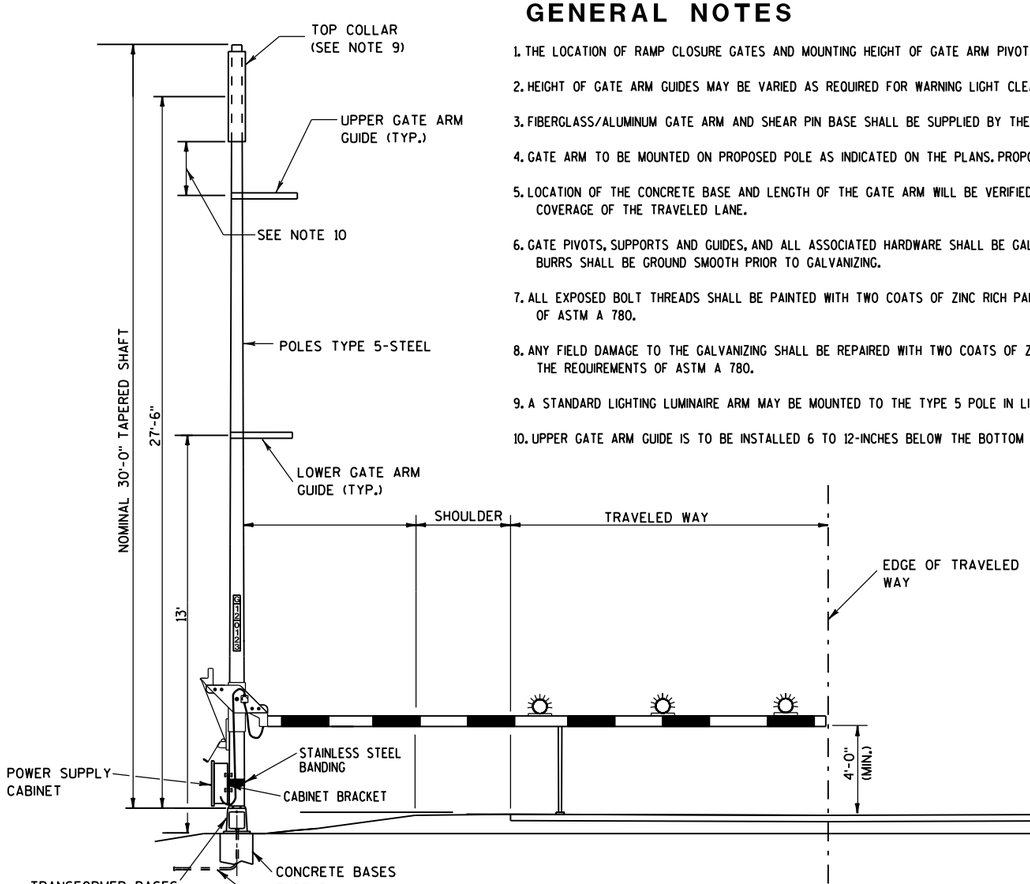
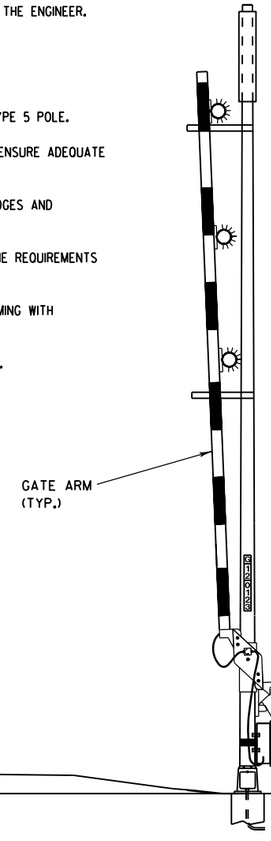
S.D.D. 15 D 28-3

GENERAL NOTES

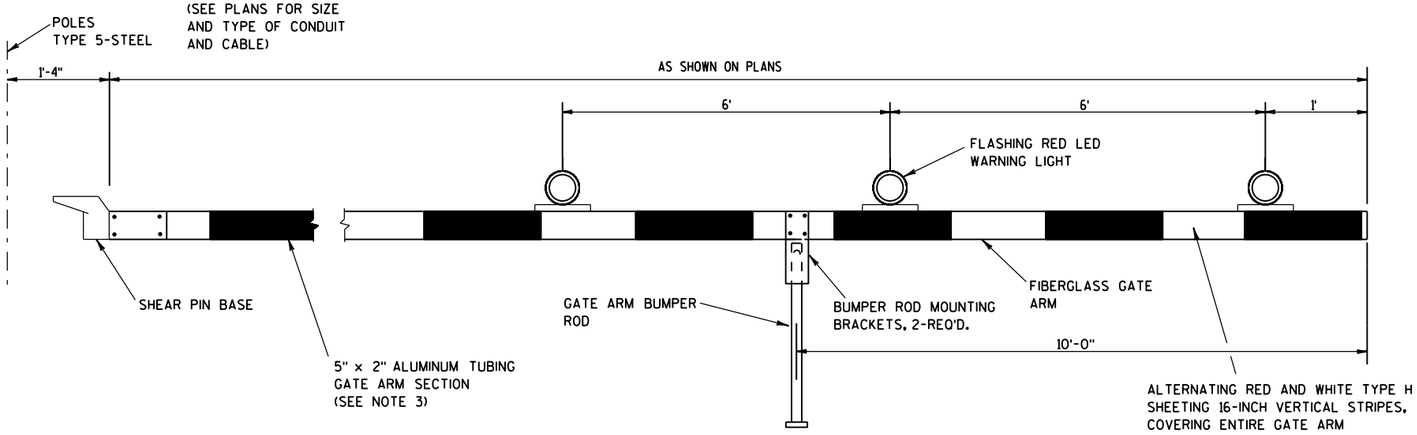
1. THE LOCATION OF RAMP CLOSURE GATES AND MOUNTING HEIGHT OF GATE ARM PIVOT SHALL BE VERIFIED BY THE ENGINEER.
2. HEIGHT OF GATE ARM GUIDES MAY BE VARIED AS REQUIRED FOR WARNING LIGHT CLEARANCE.
3. FIBERGLASS/ALUMINUM GATE ARM AND SHEAR PIN BASE SHALL BE SUPPLIED BY THE SAME VENDOR.
4. GATE ARM TO BE MOUNTED ON PROPOSED POLE AS INDICATED ON THE PLANS. PROPOSED POLE SHALL BE TYPE 5 POLE.
5. LOCATION OF THE CONCRETE BASE AND LENGTH OF THE GATE ARM WILL BE VERIFIED BY THE ENGINEER TO ENSURE ADEQUATE COVERAGE OF THE TRAVELED LANE.
6. GATE PIVOTS, SUPPORTS AND GUIDES, AND ALL ASSOCIATED HARDWARE SHALL BE GALVANIZED. ALL ROUGH EDGES AND BURRS SHALL BE GROUND SMOOTH PRIOR TO GALVANIZING.
7. ALL EXPOSED BOLT THREADS SHALL BE PAINTED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
8. ANY FIELD DAMAGE TO THE GALVANIZING SHALL BE REPAIRED WITH TWO COATS OF ZINC RICH PAINT CONFORMING WITH THE REQUIREMENTS OF ASTM A 780.
9. A STANDARD LIGHTING LUMINAIRE ARM MAY BE MOUNTED TO THE TYPE 5 POLE IN LIEU OF THE TOP COLLAR.
10. UPPER GATE ARM GUIDE IS TO BE INSTALLED 6 TO 12-INCHES BELOW THE BOTTOM OF THE TOP COLLAR.



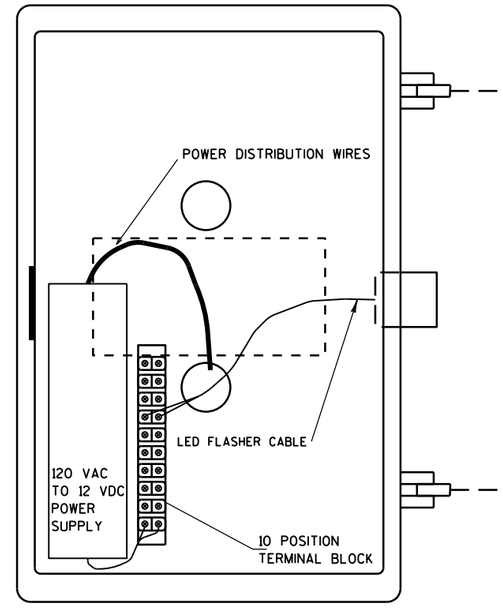
TYPICAL LOWERED POSITION



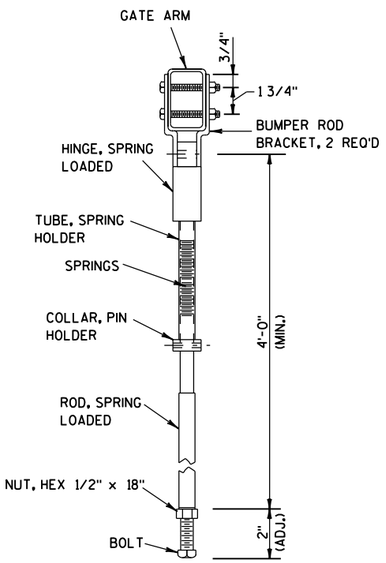
TYPICAL RAISED POSITION



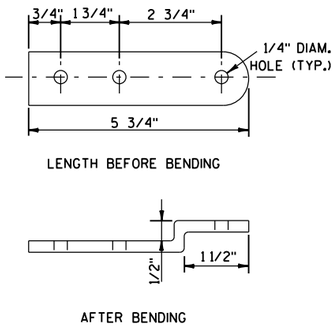
GATE DETAIL
(HARDWIRE POWER OPTION)



POWER SUPPLY CABINET



GATE ARM BUMPER ROD DETAIL

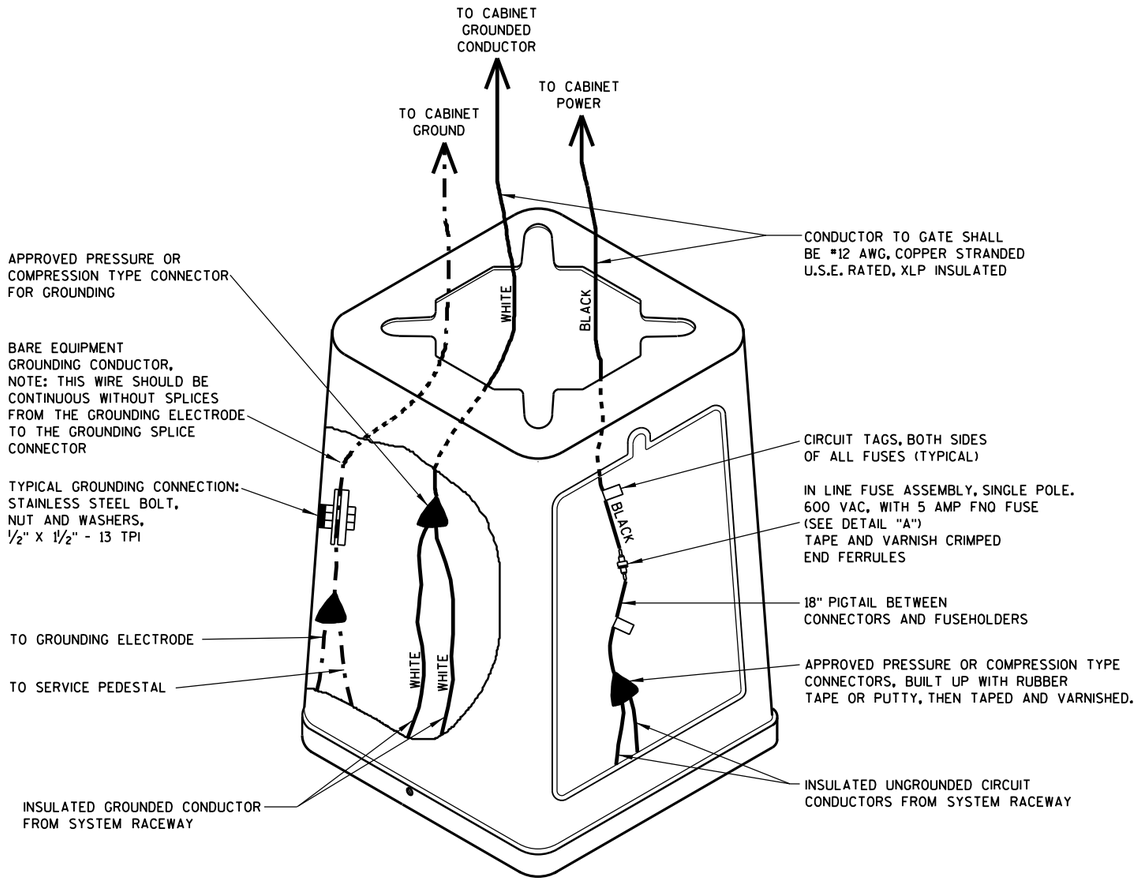


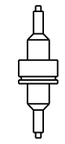
BUMPER ROD MOUNTING
BRACKET DETAIL

RAMP GATE
HARD WIRED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 15 D 35-2a





DETAIL "A"
SINGLE POLE

6

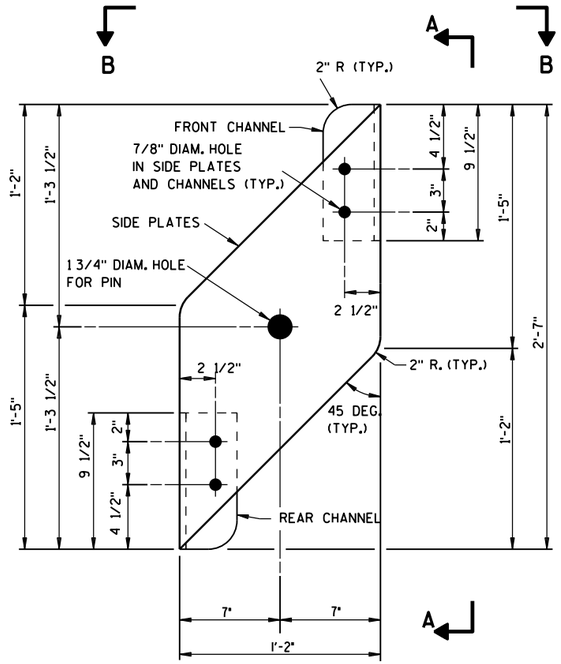
S.D.D. 15 D 35-2b

RAMP GATE
HARD WIRED

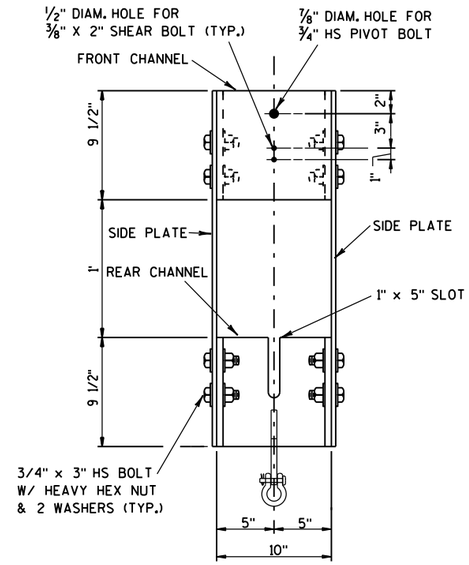
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

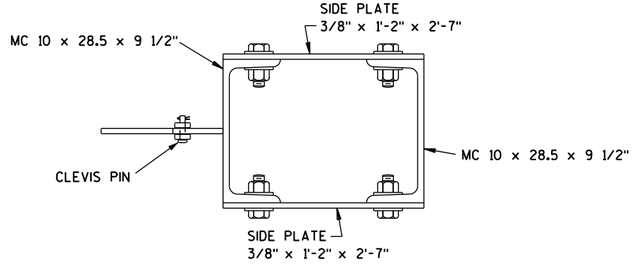
S.D.D. 15 D 35-2b



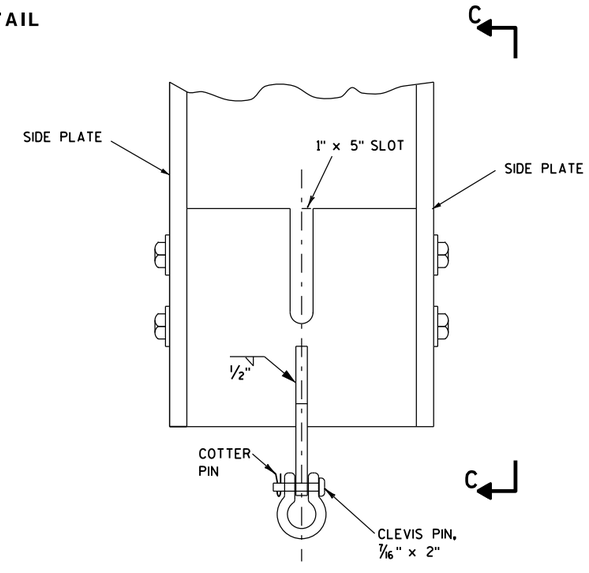
SIDE PLATE DETAIL



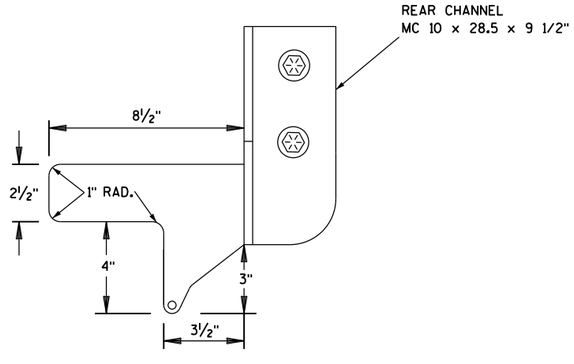
SECTION A-A



SECTION B-B



YOKE ASSEMBLY DETAIL



SECTION C-C

RAMP GATE
HARD WIRED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 D 35-2c

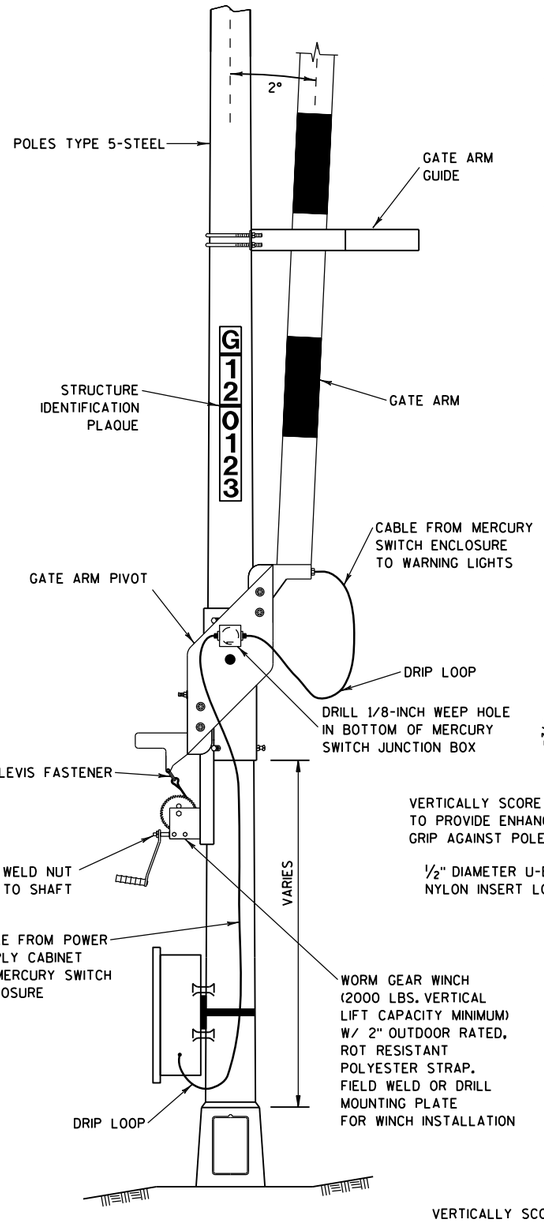
GENERAL NOTES

1. WHEN THE GATE IS FULLY RAISED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE OUTSIDE OF THE REAR CHANNEL.

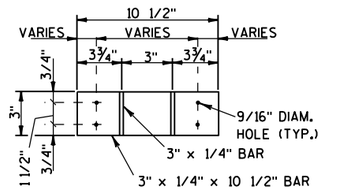
2. WHEN THE GATE IS FULLY LOWERED, THE NUT AND WASHER SHALL BE PLACED SNUGLY AGAINST THE INSIDE OF THE REAR CHANNEL.

3. ANTI-SEIZE LUBRICATING MATERIAL SHALL BE USED ON ALL BOLT THREADS BEFORE INSTALLATION.

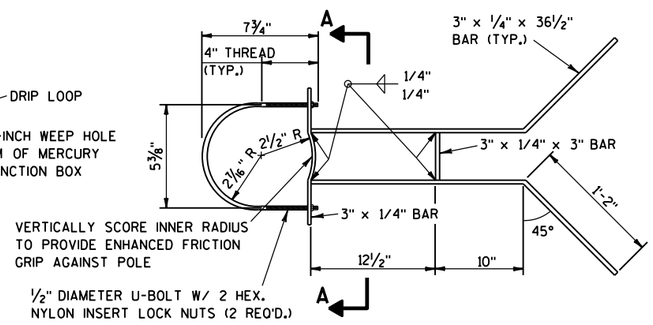
4. ALL BOLTS SHALL BE GALVANIZED AND CONFORM TO ASTM A307, GRADE A, UNLESS DESIGNATED AS HS (HIGH STRENGTH), WHICH SHALL CONFORM TO ASTM A325. BOLTS OF ½" NOMINAL DIAMTER OR LESS MAY BE STAINLESS STEEL.



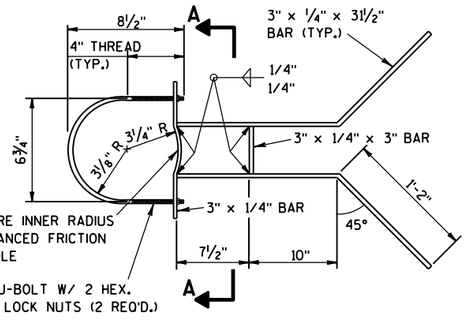
GATE PIVOT ASSEMBLY



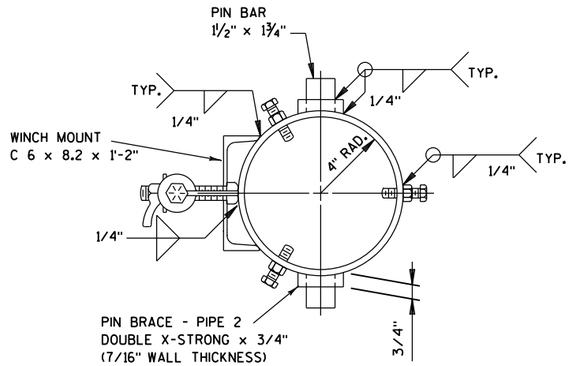
SECTION A-A
U-BOLTS NOT SHOWN



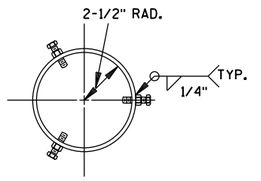
UPPER GATE ARM GUIDE DETAIL



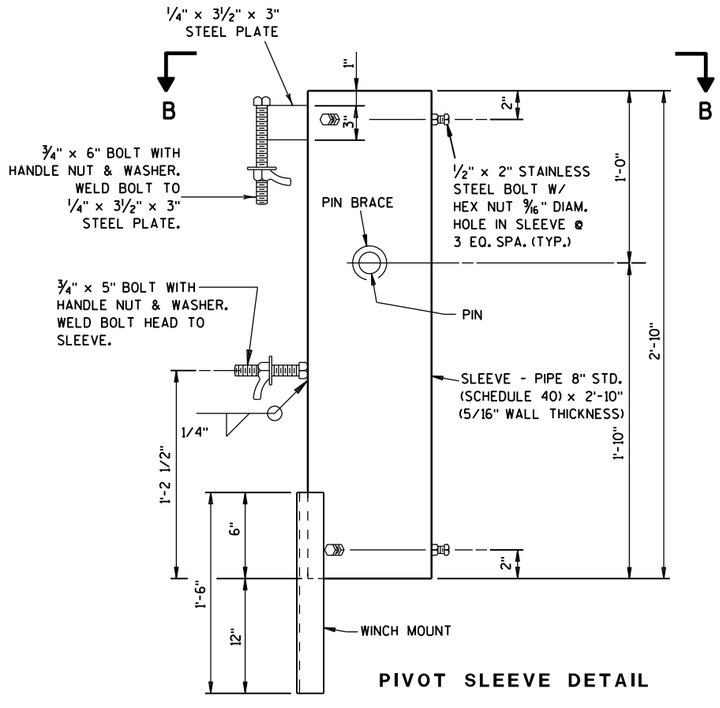
LOWER GATE ARM GUIDE DETAIL



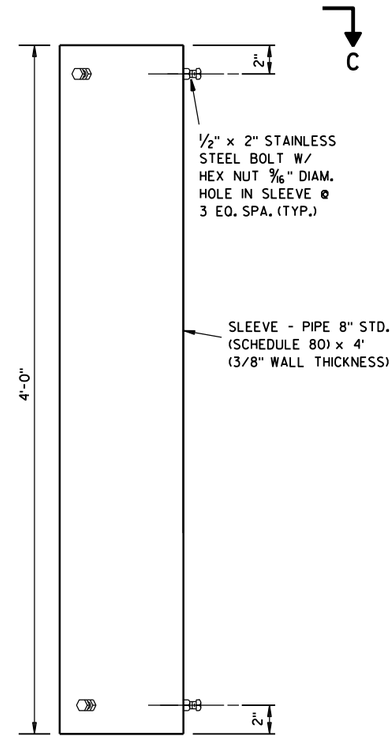
SECTION B-B



SECTION C-C



PIVOT SLEEVE DETAIL



TOP COLLAR

6

6

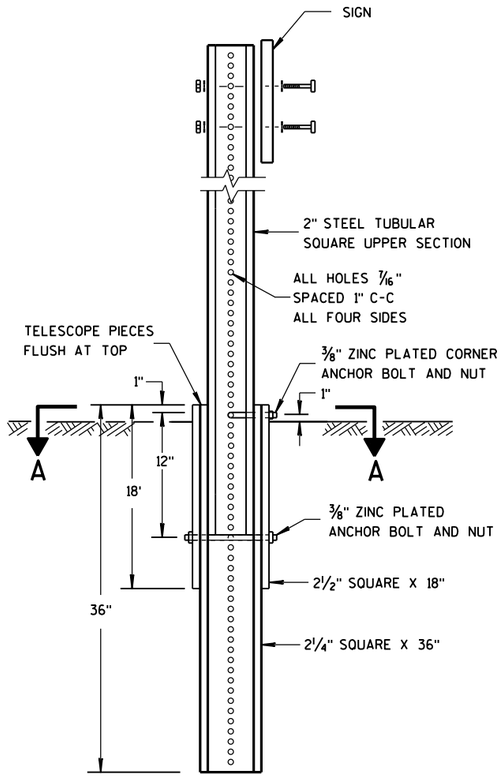
S.D.D. 15 D 35-2d

S.D.D. 15 D 35-2d

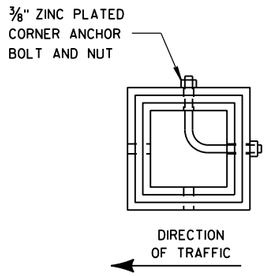
RAMP GATE
HARD WIRED

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

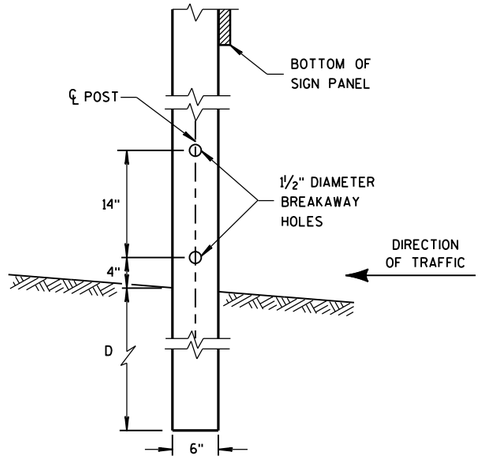
APPROVED
11/2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
R
FHWA



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



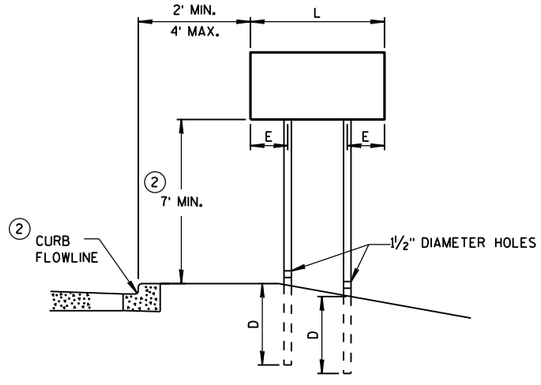
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

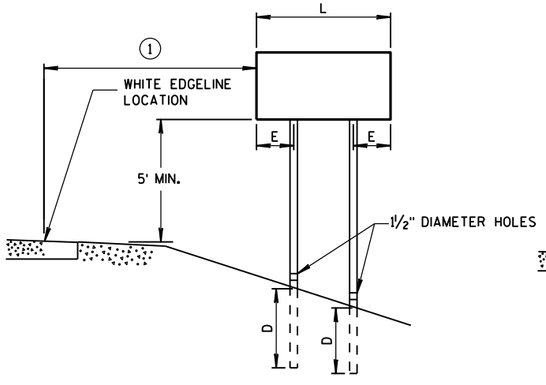
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

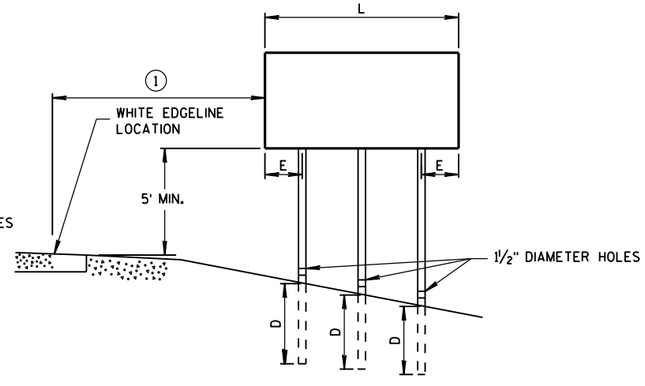
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK 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

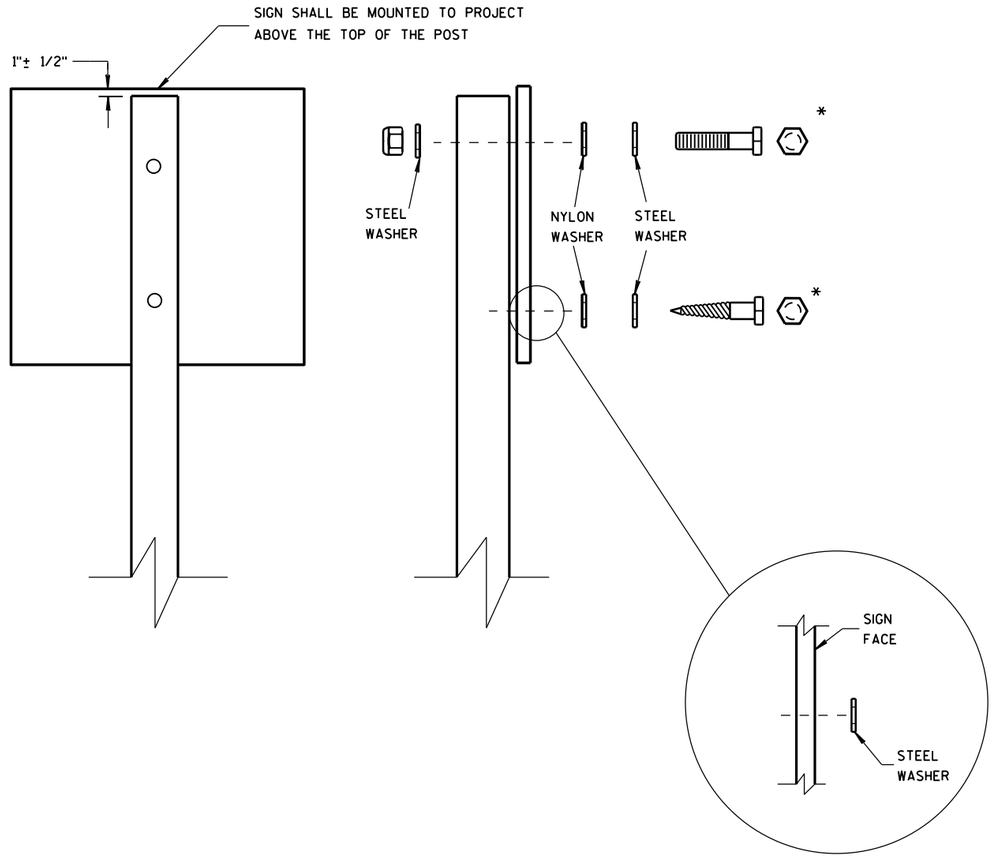
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 D 38-2a

6

S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

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

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

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

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* 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

S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

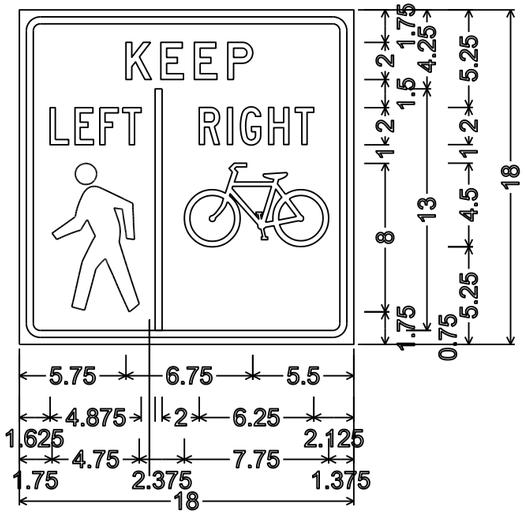
APPROVED

June 2017
DATE

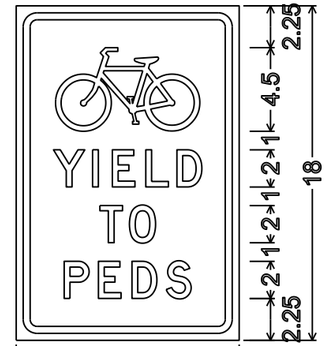
/S/ Andrew Heldtke
WORK ZONE ENG

FHWA

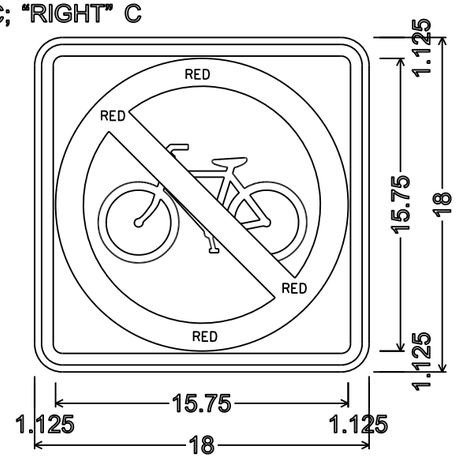
1.375" Radius, 0.625" Border, 0.500" Indent,
"TRAIL" D; "CLOSED" D



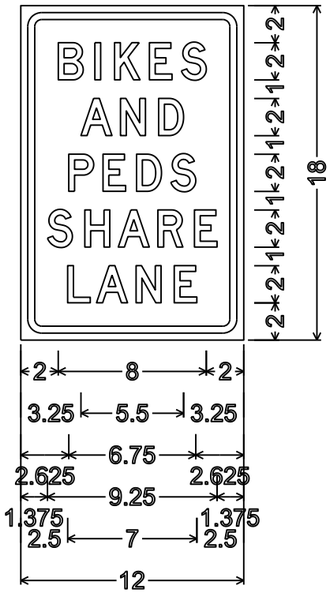
1.125" Radius, 0.375" Border, 0.375" Indent,
"KEEP" D; "LEFT" C; "RIGHT" C



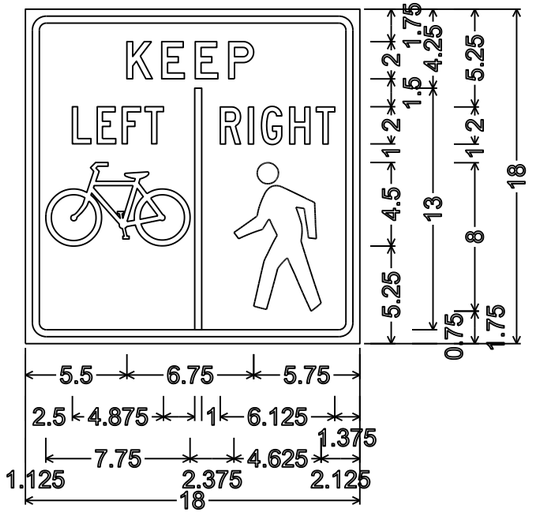
1.125" Radius, 0.375" Border, 0.375" Indent,
"YIELD" D; "TO" D; "PEDS" D



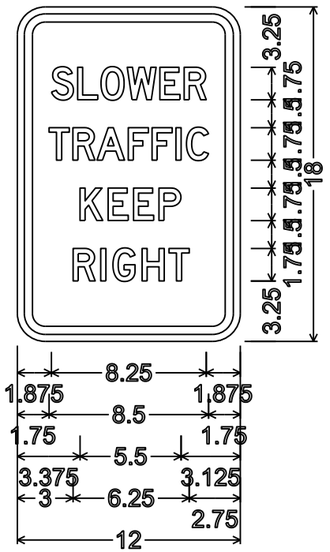
R5-6_18x18;
1.500" Radius, 0.625" Border, 0.375" Indent,



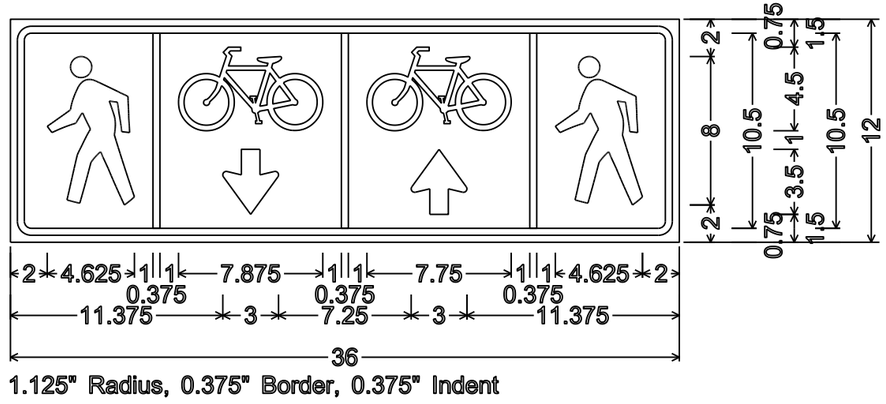
1.125" Radius, 0.375" Border, 0.375" Indent,
"BIKES" D; "AND" D; "PEDS" D;
"SHARE" D; "LANE" D



1.125" Radius, 0.375" Border, 0.375" Indent
"KEEP" D; "LEFT" C; "RIGHT" C



R4-3_12x18;
1.500" Radius, 0.500" Border, 0.375" Indent,
"SLOWER" D; "TRAFFIC" D;
"KEEP" D; "RIGHT" D



1.125" Radius, 0.375" Border, 0.375" Indent

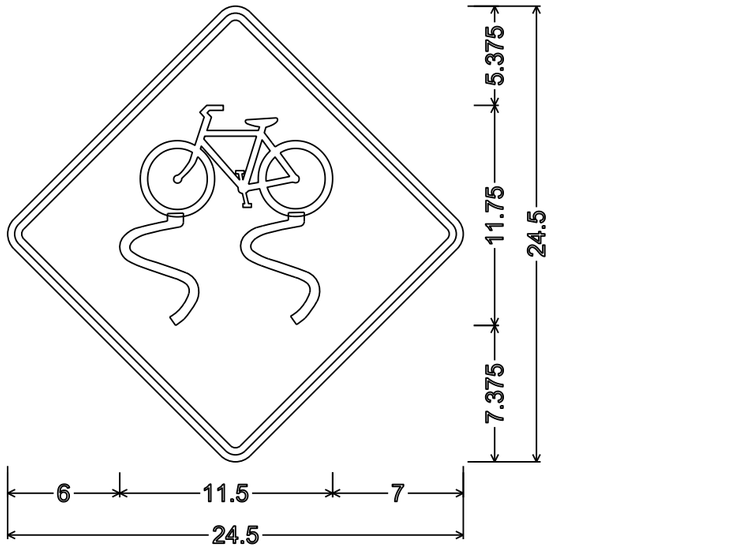
NOTES

1. Signs are Type II- Type H Reflective
2. Color:
   Background - White
   Message - Black except as noted
3. Message Series - As noted

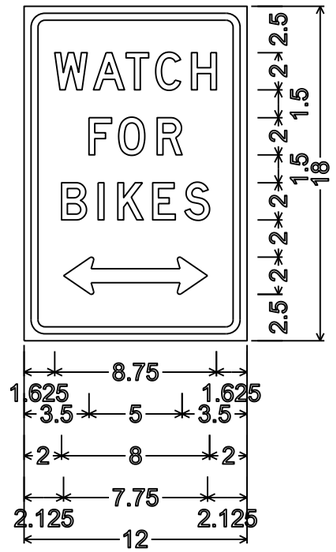
7

7

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST CROIX	PERMANENT SIGNING	SHEET NO: 355	E



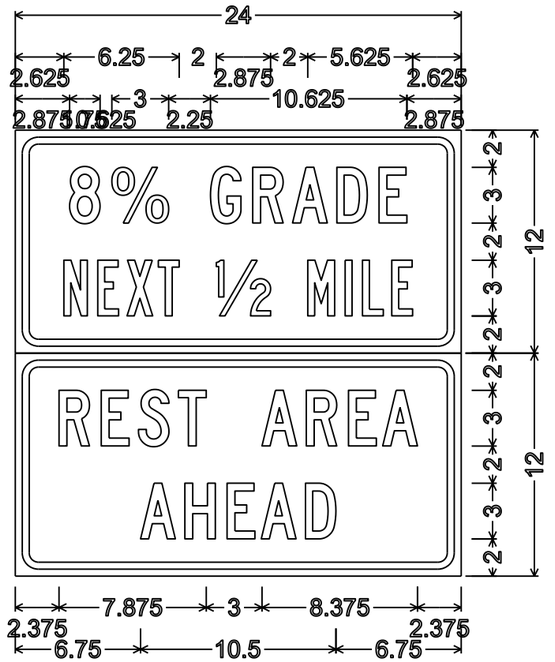
18.000" across sides 1.125" Radius, 0.375" Border, 0.375" Indent



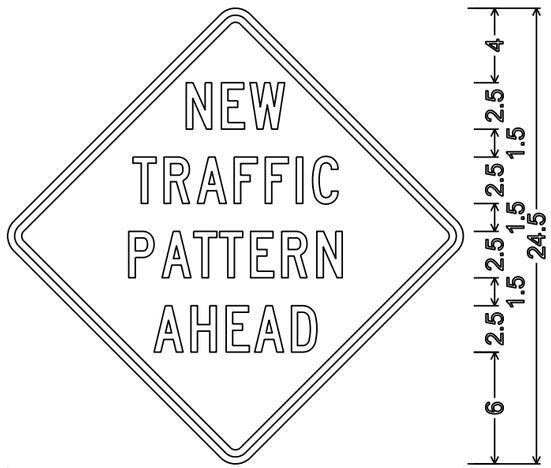
1.125" Radius, 0.375" Border, 0.375" Indent,
"WATCH" D; "FOR" D; "BIKES" D

NOTES

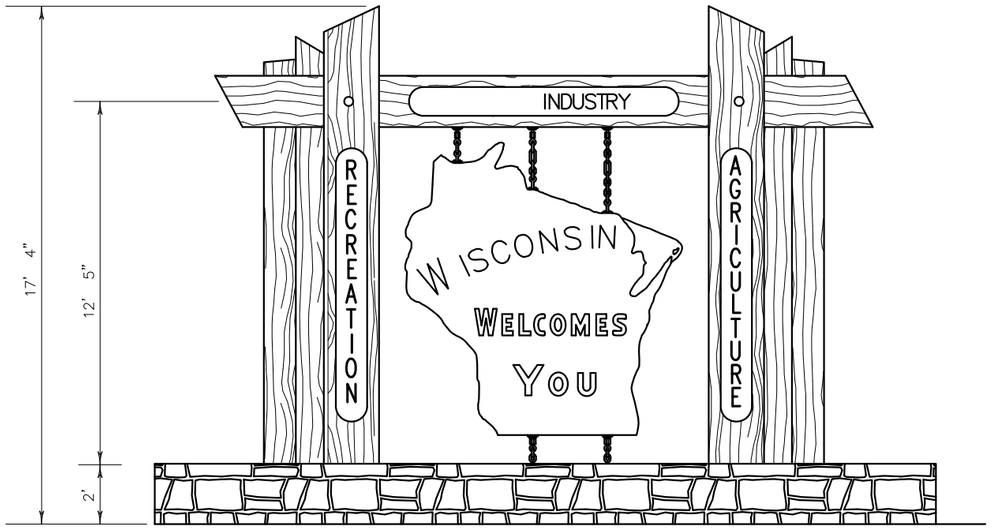
1. Signs are Type II- Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - As noted
4. Rest Area sign Background is Blue Background on Type H Reflective Sheeting with White Type H Reflective Message



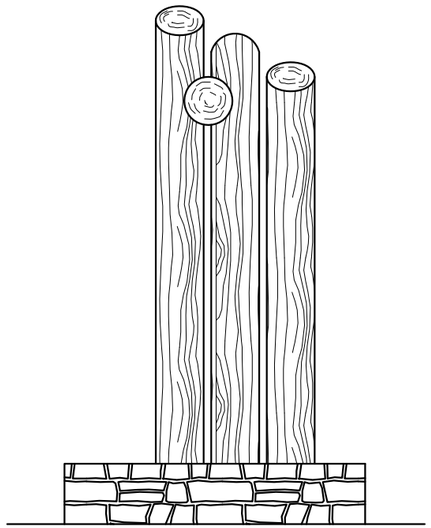
0.375" Border, 0.375" Indent, Black on Yellow;
"8" C; "%"; "GRADE" C; "NEXT" B;
"½" C; "MILE" B;
0.375" Border, 0.375" Indent, White on Blue;
"REST" C; "AREA" C; "AHEAD" C



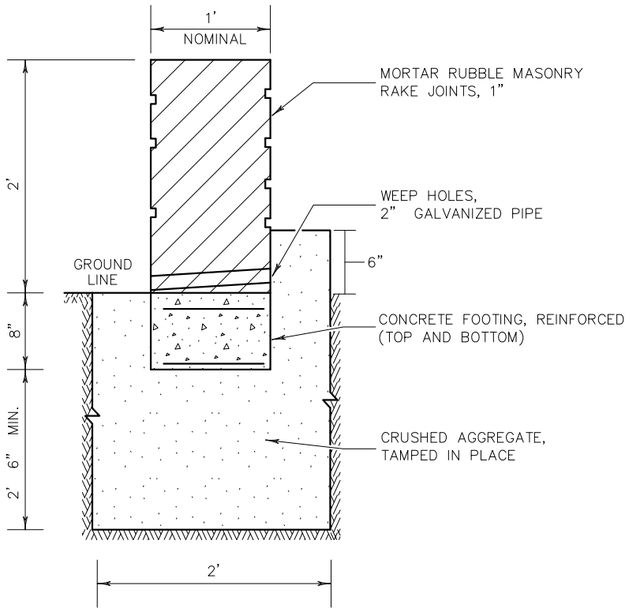
18.000" across sides 1.125" Radius, 0.375" Border, 0.375" Indent,
"NEW" C; "TRAFFIC" C; "PATTERN" C; "AHEAD" C



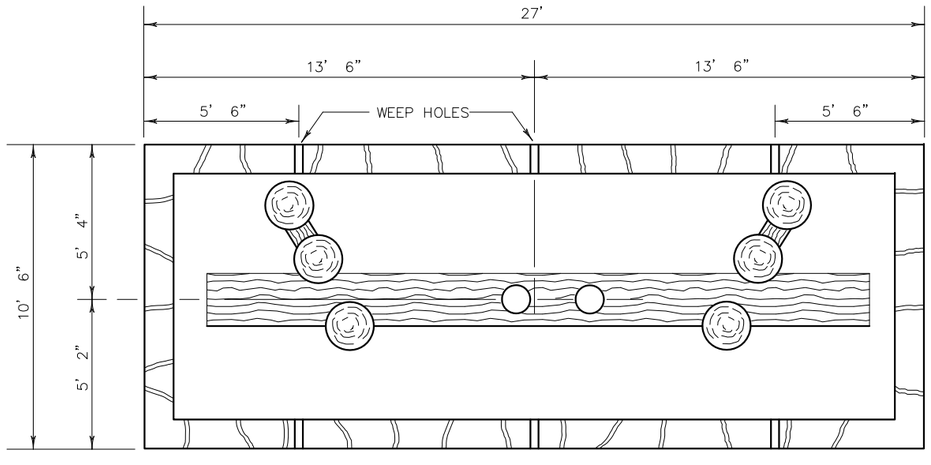
FRONT VIEW



END VIEW



SECTION



PLAN VIEW

GENERAL NOTES

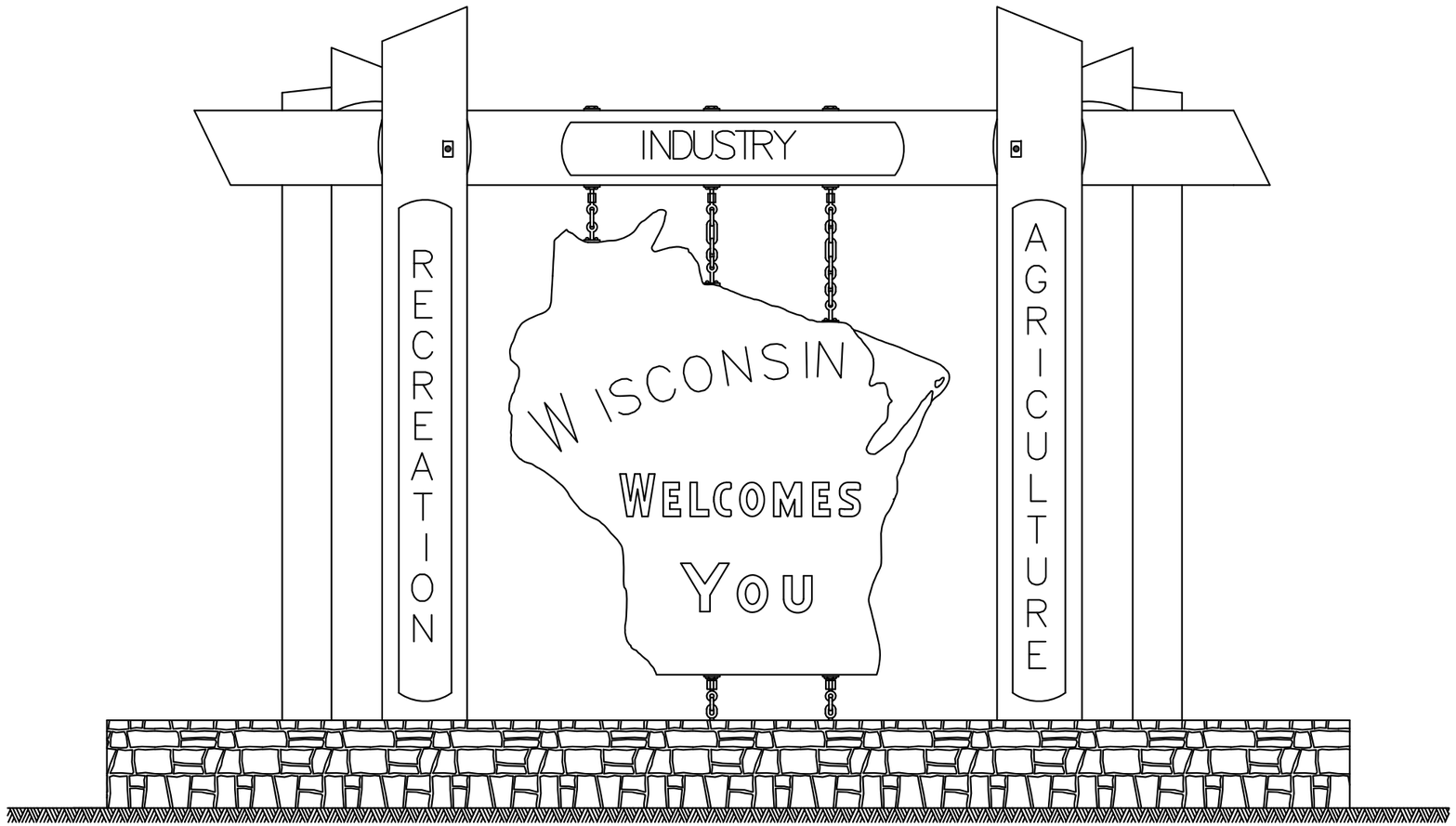
1. FOUNDATION – EXCAVATE AND BACKFILL WITH CRUSHED AGGREGATE AND TAMP IN PLACE.
2. FOOTING – USE GRADE "AA" CONCRETE MASONRY MIXTURE AND STANDARD STEEL WELDED WIRE FABRIC REINFORCEMENT.
3. STONE MASONRY – SHALL BE MORTAR RUBBLE MASONRY LAID IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 518. PLACE WEEP HOLES AS INDICATED.

ESTIMATE OF QUANTITIES FOR "WELCOME SIGN" – 1 LUMP SUM

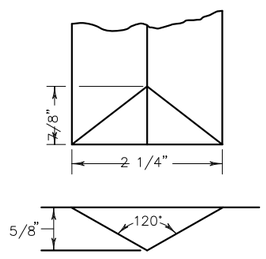
ITEM	UNIT	QUANTITY
EXCAVATION	C.Y.	16.0
CRUSHED AGGREGATE	C.Y.	21.0
STEEL WIRE FABRIC	S.Y.	16.0
CONCRETE MASONRY	C.Y.	2.5*
MORTAR RUBBLE MASONRY	C.Y.	5.5
GALVANIZED IRON PIPE, 2" x 1'	EACH	6.0

*INCLUDES SIGN ANCHORS

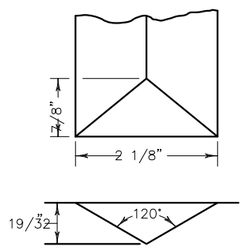
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	STATE WELCOME SIGN STRUCTURE STA 155+50 STH 64 EB	SHEET NO:	E



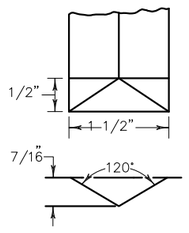
LETTERING DETAIL



LETTER HEIGHT 13"
"W" IN WISCONSIN
"Y" IN YOU

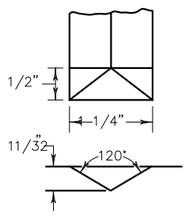


LETTER HEIGHT 10"
REMAINING LETTERS
IN WISCONSIN & YOU



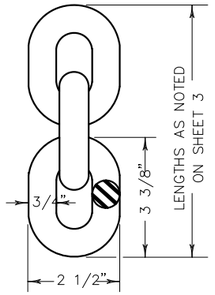
LETTER HEIGHT 10"
"W" IN WELCOMES

LETTER HEIGHT 8"
REMAINING LETTERS
IN WELCOMES



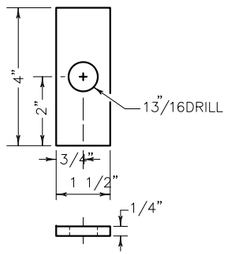
LETTER HEIGHT 7"
ALL LETTERS IN RECREATION,
INDUSTRY AND AGRICULTURE

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	STATE WELCOME SIGN STRUCTURE STA 155+50 STH 64 EB	SHEET NO: E



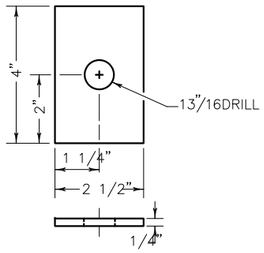
ITEM 1 – CHAIN

STEEL – 4 LENGTHS REQ'D.



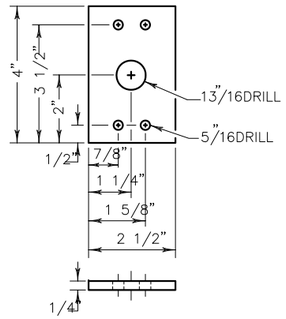
ITEM 2 – BEARING PLATE

STEEL – 1 REQ'D.



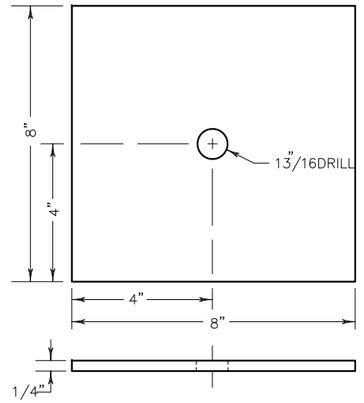
ITEM 3 – BEARING PLATE

STEEL – 13 REQ'D.



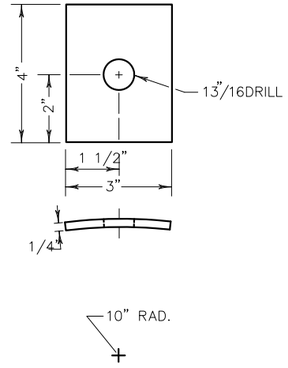
ITEM 4 – BEARING PLATE

STEEL – 3 REQ'D.



ITEM 5 – ANCHOR PLATE

STEEL – 2 REQ'D.

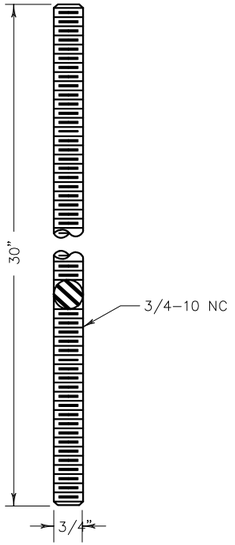


ITEM 6 – CURVED BEARING PLATE

STEEL – 3 REQ'D.

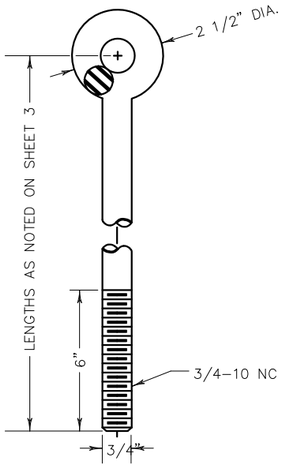
NOTE

ALL HARDWARE IS TO BE HOT GALVANIZED.



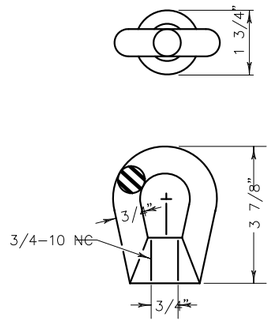
ITEM 7 – THREADED ROD

STEEL – 3 REQ'D.
THREAD FULL LENGTH



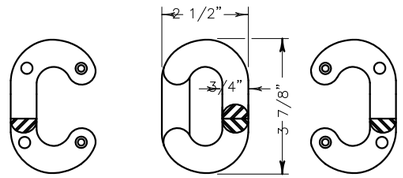
ITEM 8 – EYE ROD

STEEL – 5 REQ'D.



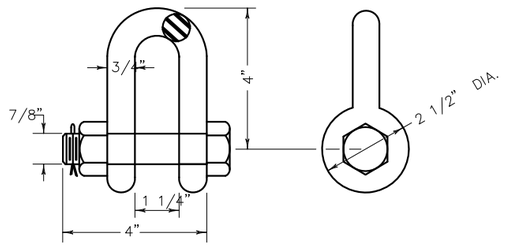
ITEM 9 – EYE NUT

STEEL – 5 REQ'D.



ITEM 10 – CONNECTING LINK

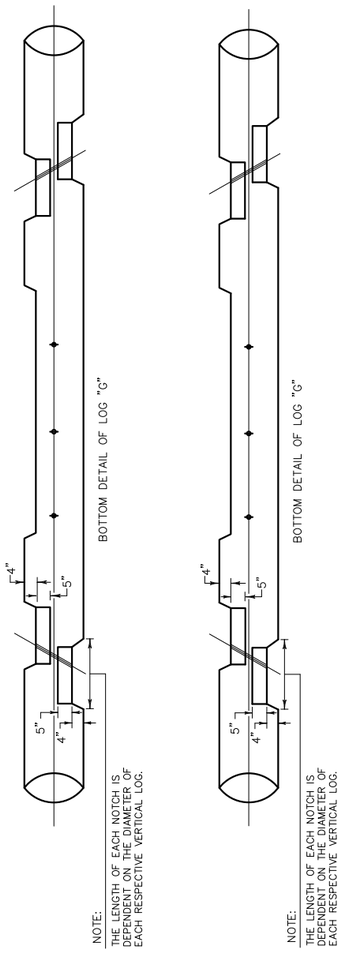
STEEL – 10 REQ'D.



ITEM 11 – SHACKLE

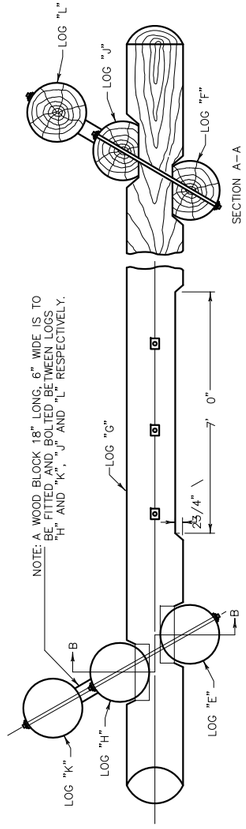
STEEL – 2 REQ'D.
SUPPLIED WITH BOLT, NUT AND COTTER PIN

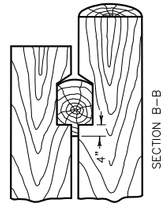
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	STATE WELCOME SIGN STRUCTURE STA 155+50 STH 64 EB	SHEET NO:	E

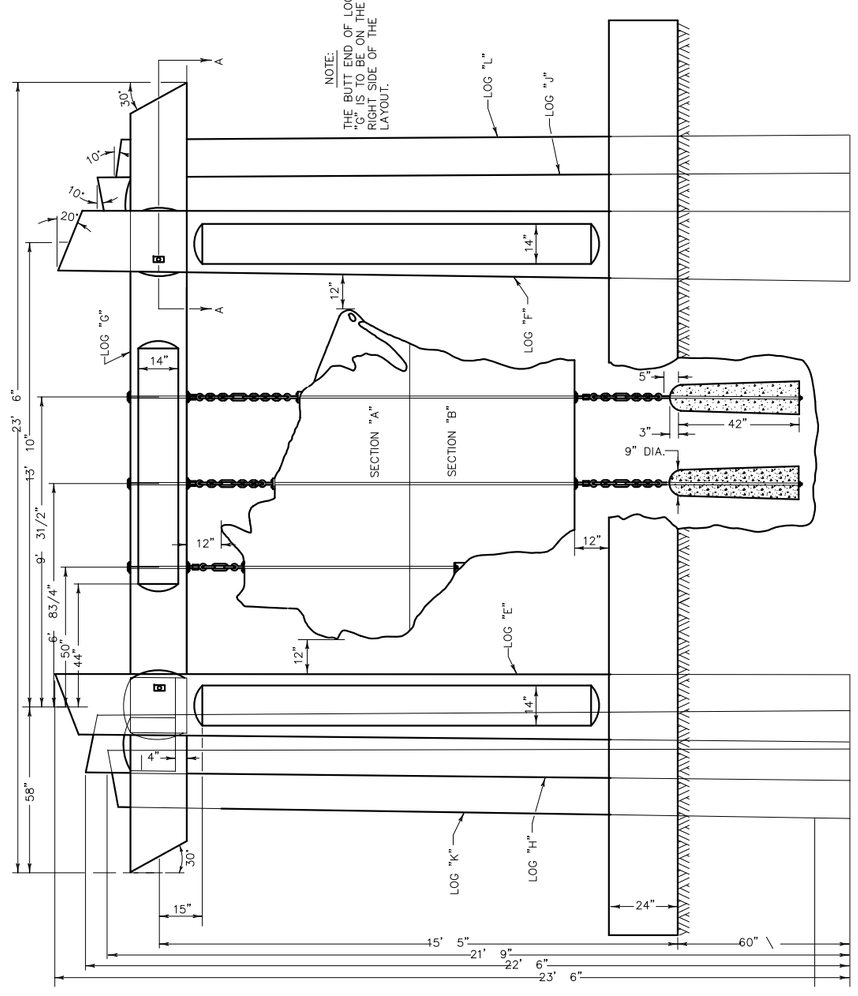


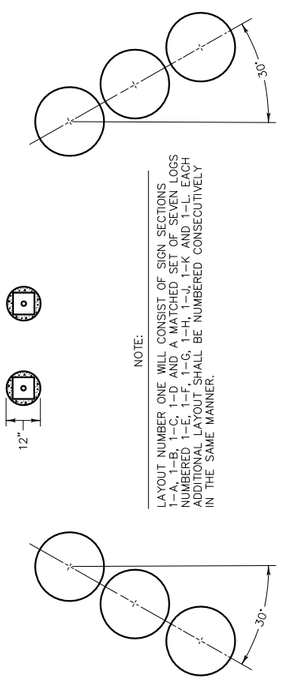
NOTE:
THE LENGTH OF EACH NOTCH IS DEPENDENT ON THE DIAMETER OF EACH RESPECTIVE VERTICAL LOG.

NOTE:
THE LENGTH OF EACH NOTCH IS DEPENDENT ON THE DIAMETER OF EACH RESPECTIVE VERTICAL LOG.

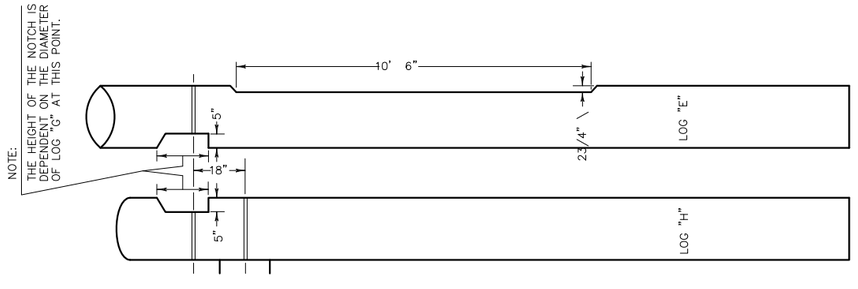




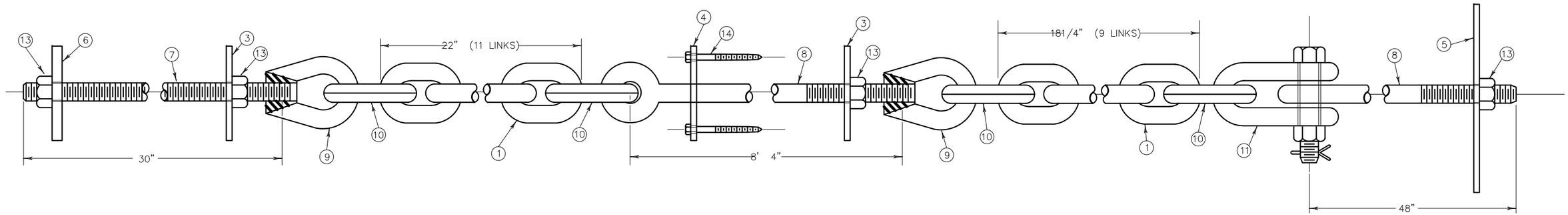


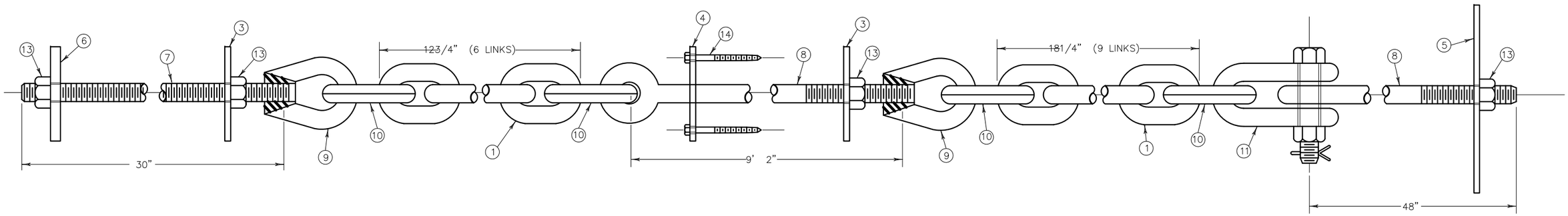


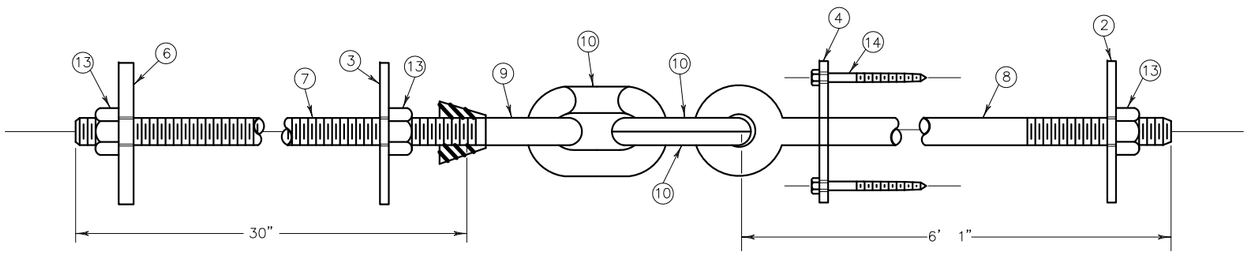
NOTE:
LAYOUT NUMBER ONE WILL CONSIST OF SIGN SECTIONS 1-A, 1-B AND 1-C. MATCHED SETS OF SIGN LOGS NUMBERED 1-C, 1-F, 1-G, 1-H, 1-K AND 1-L EACH. ADDITIONAL LAYOUT SHALL BE NUMBERED CONSECUTIVELY IN THE SAME MANNER.

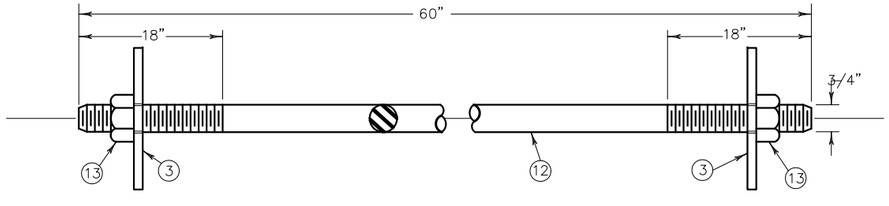


PROJECT NO:8110-02-73	HWY:STH 64	COUNTY: ST. CROIX	STATE WELCOME SIGN STRUCTURE STA 155+50 STH 64 EB	SHEET NO:	E









THREADED ROD ASSEMBLY

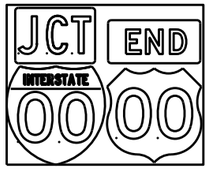
2 REQUIRED

ITEM	NAME	MATERIAL	REQ'D.
1	CHAIN	STEEL	4
2	BEARING PLATE	STEEL	1
3	BEARING PLATE	STEEL	13
4	BEARING PLATE	STEEL	3
5	ANCHOR PLATE	STEEL	2
6	CURVED BEARING PLATE	STEEL	3
7	THREADED ROD	STEEL	3
8	EYE ROD	STEEL	5
9	EYE NUT	STEEL	5
10	CONNECTING LINK	STEEL	10
11	SHACKLE	STEEL	2
12	THREADED ROD	STEEL	4
13	ƒ" HEX NUT – 10 N.C. THD.	STEEL	19
14	,"x3" LAG BOLT	STEEL	12
15	ƒ"X36" LAG BOLT	STEEL	2

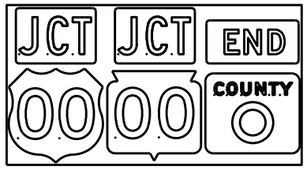
PROJECT NO:8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	STATE WELCOME SIGN STRUCTURE STA 155+50 STH 64 EB	SHEET NO:	E

TYPICAL ASSEMBLIES

J1-1

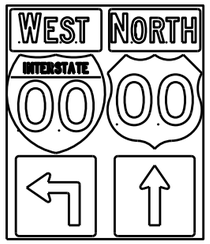


J1-2

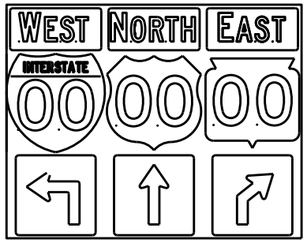


J1-3

J2-1



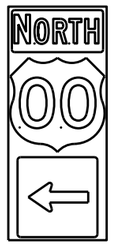
J2-2



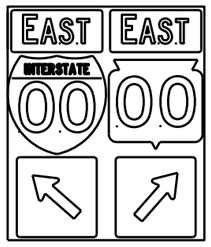
J2-3

JV

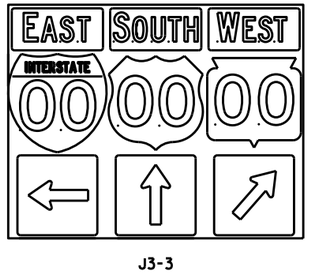
(Typical Vertical J-Assembly
See Note 10 and 11)



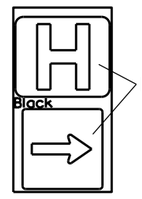
J3-1



J3-2



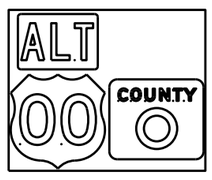
J3-3



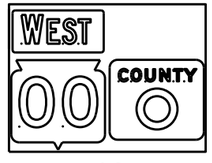
Blue Background

JH-1

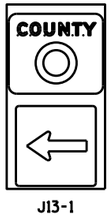
J4-1



J4-2



J4-2



J13-1

J12-1

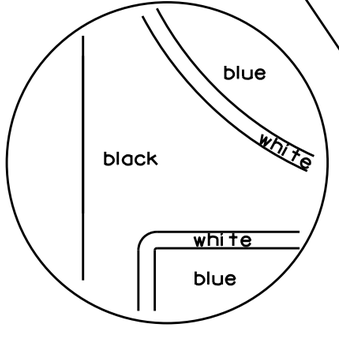
J32-1

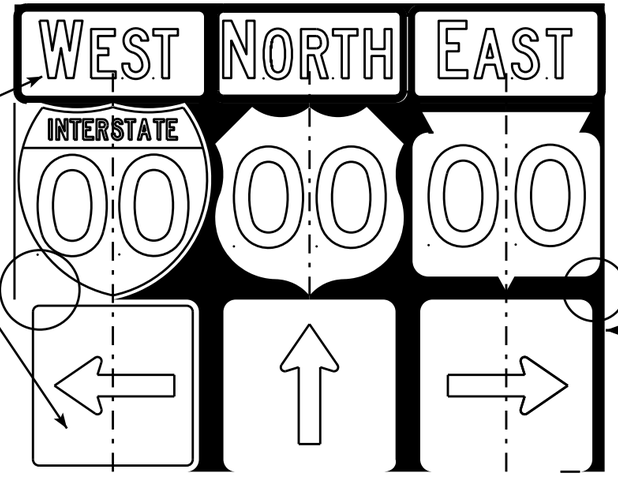
J33-1

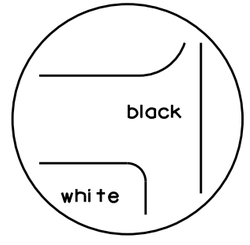
J23-1

J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

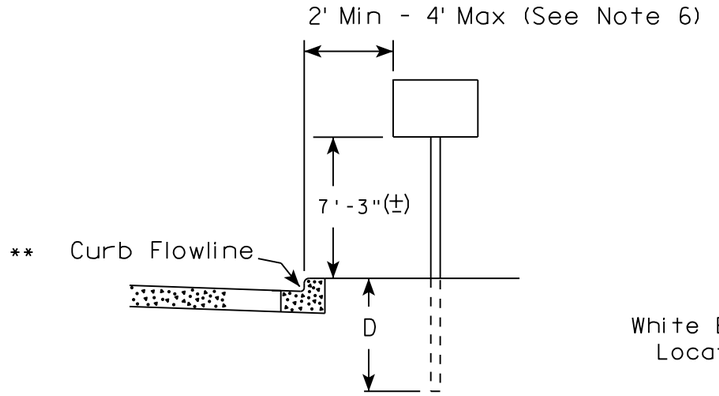
DATE 2/06/14 PL... A2-1S.8

PROJECT NO: | SHEET NO: E

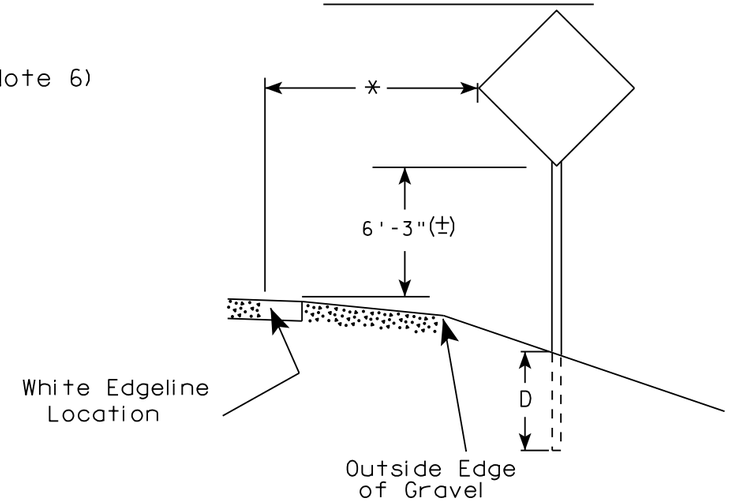
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :

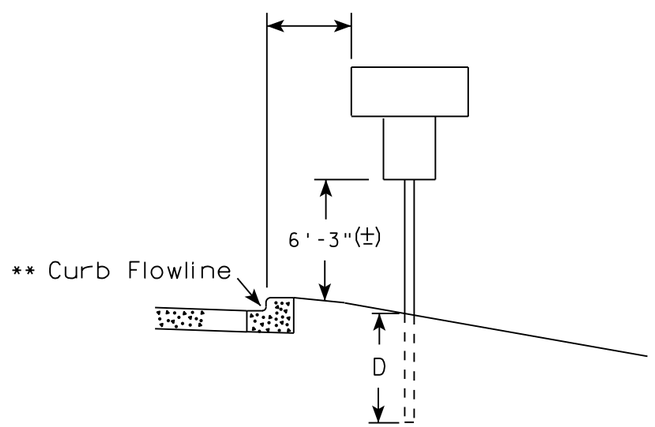
WISDOT/CADDS SHEET 42

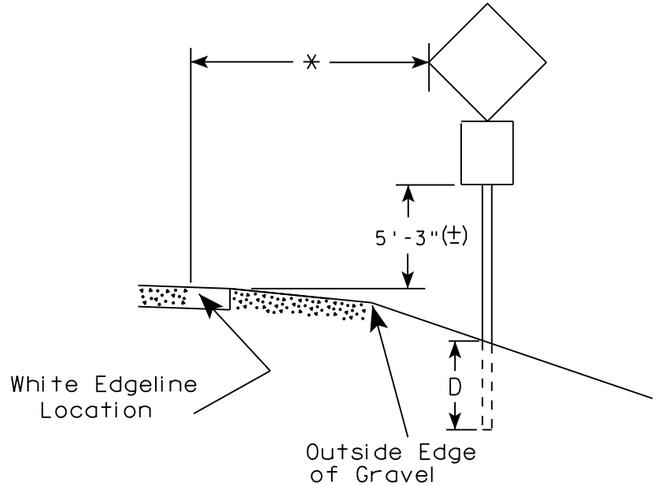
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

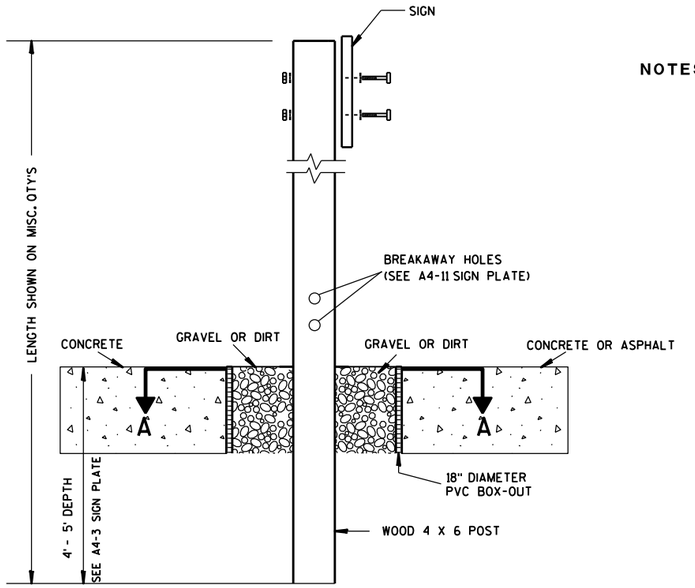
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

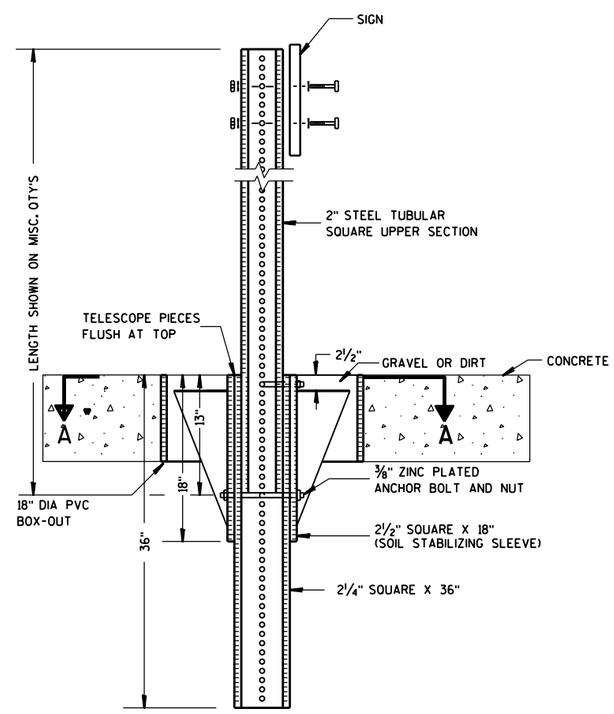
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 363	E



ELEVATION VIEW

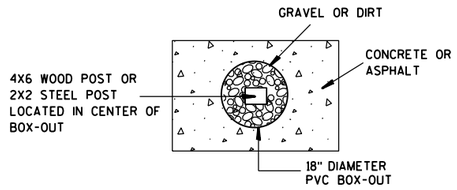
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

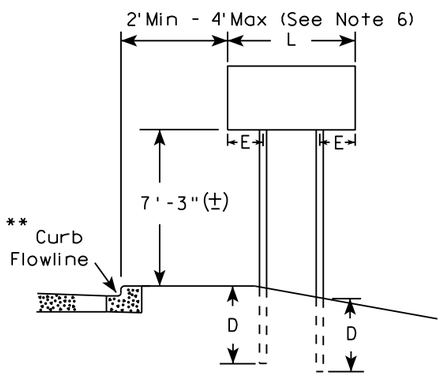
APPROVED Matthew R Rauch
for State Traffic Engineer

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

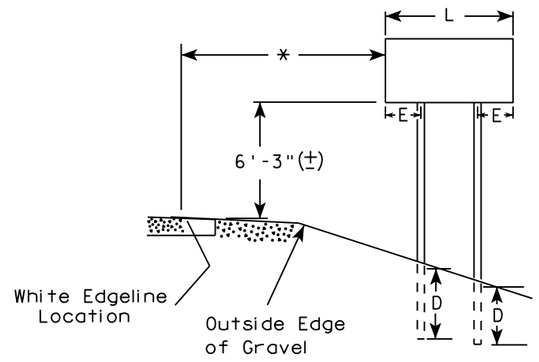
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

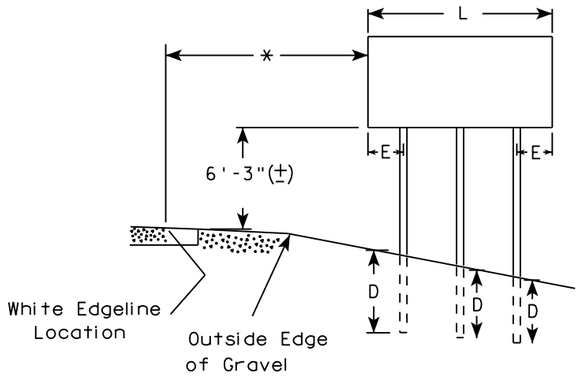
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

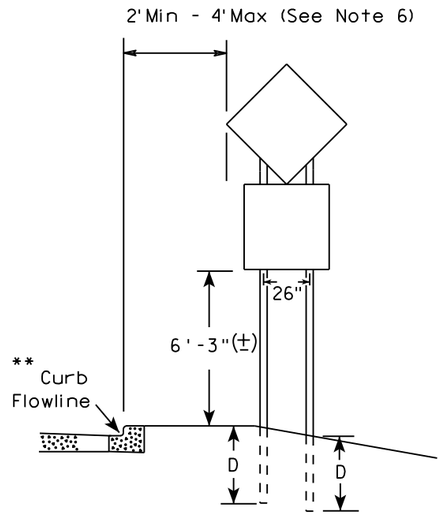
URBAN AREA



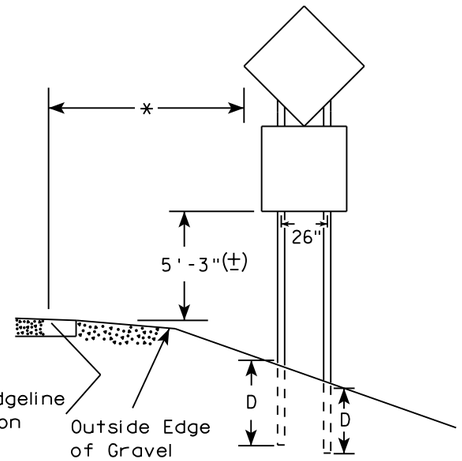
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

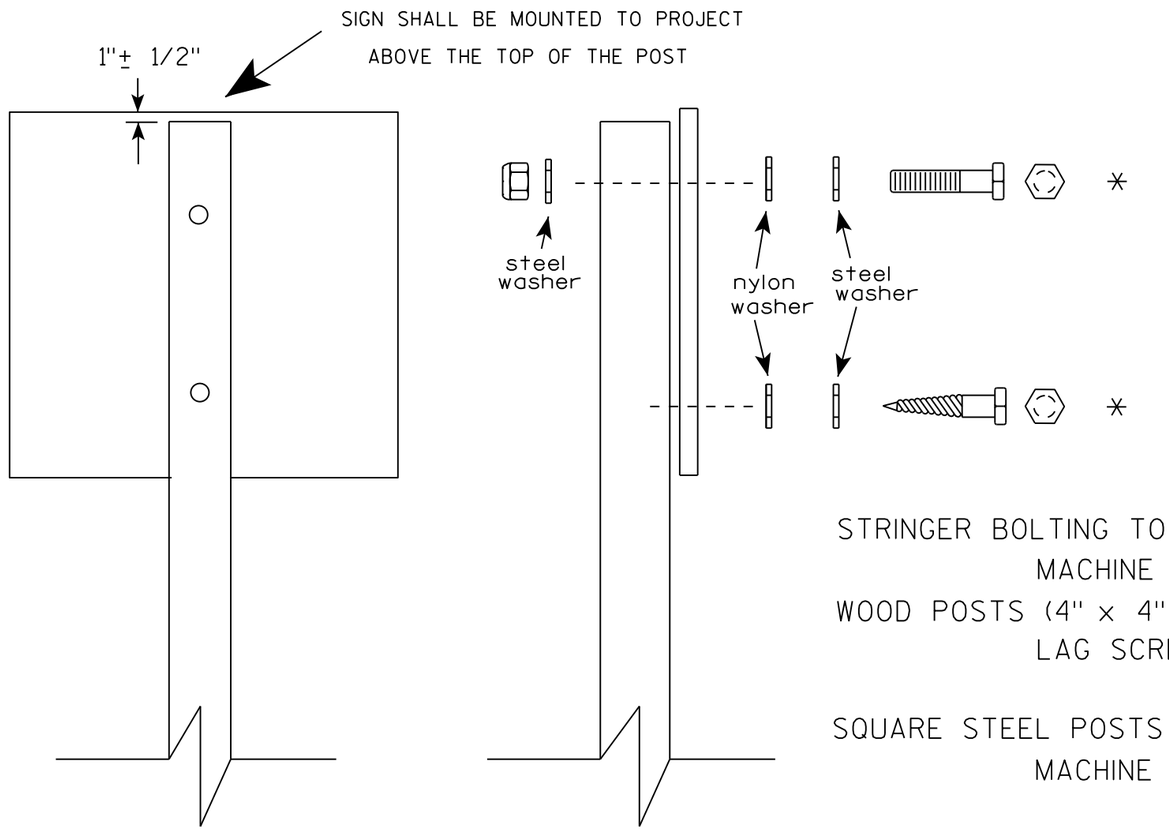
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 365	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts
WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)
SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH
WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

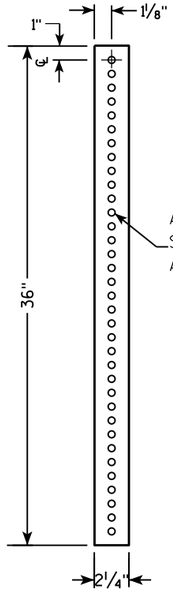
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

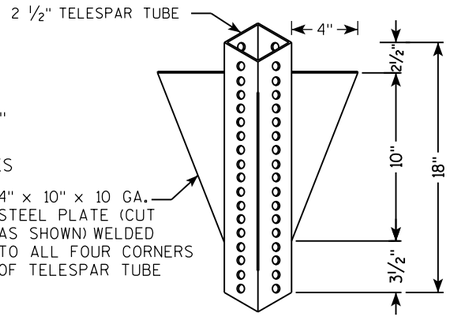
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

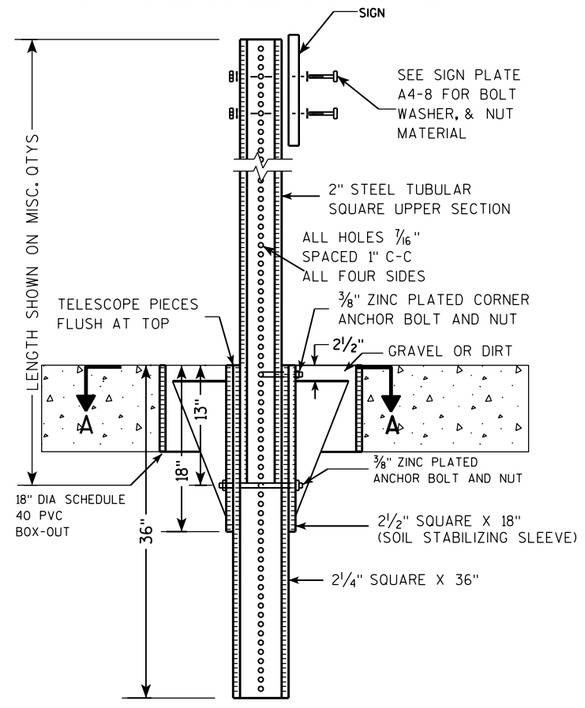
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



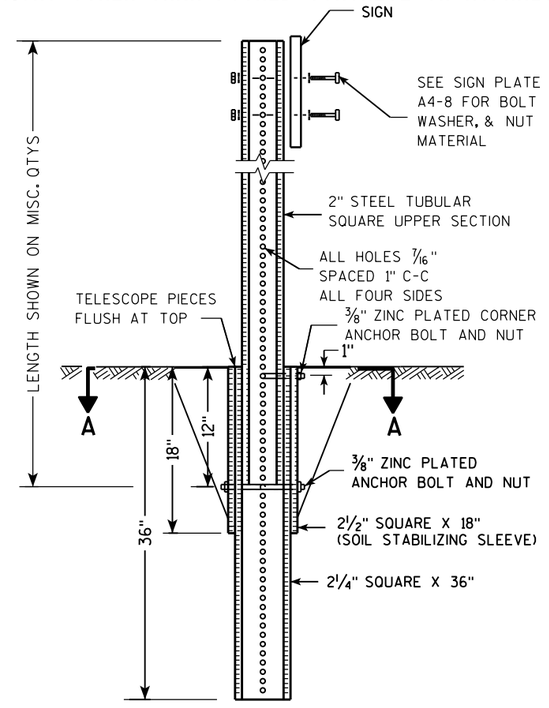
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

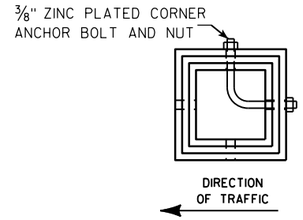


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

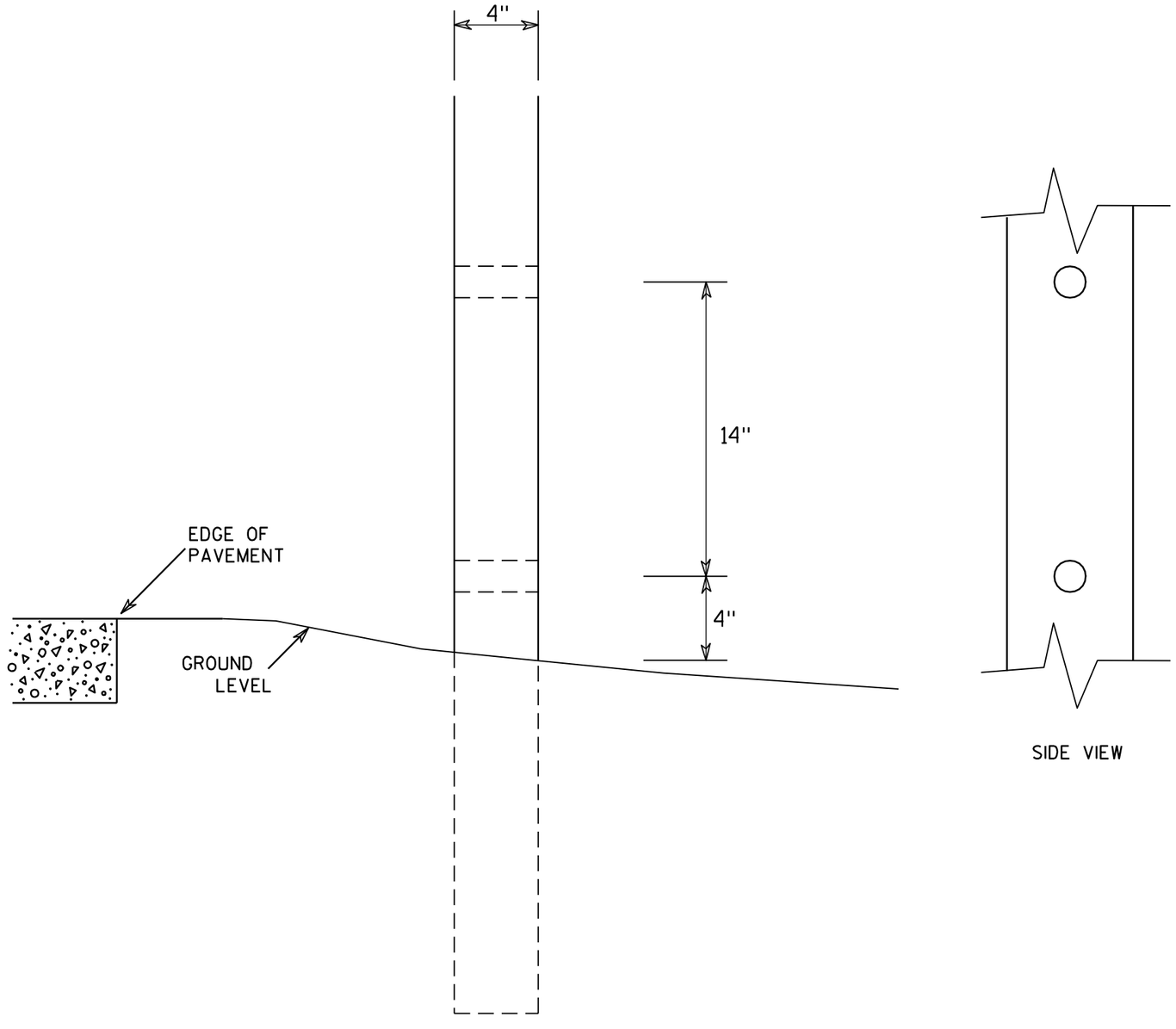
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

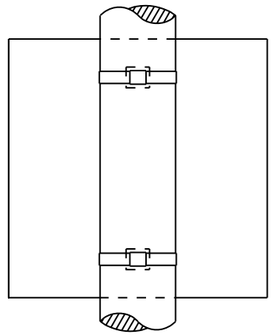
APPROVED Chester J Spang
for State Traffic Engineer

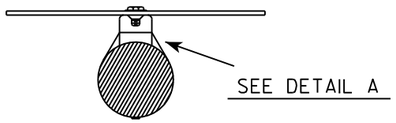
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 368	E

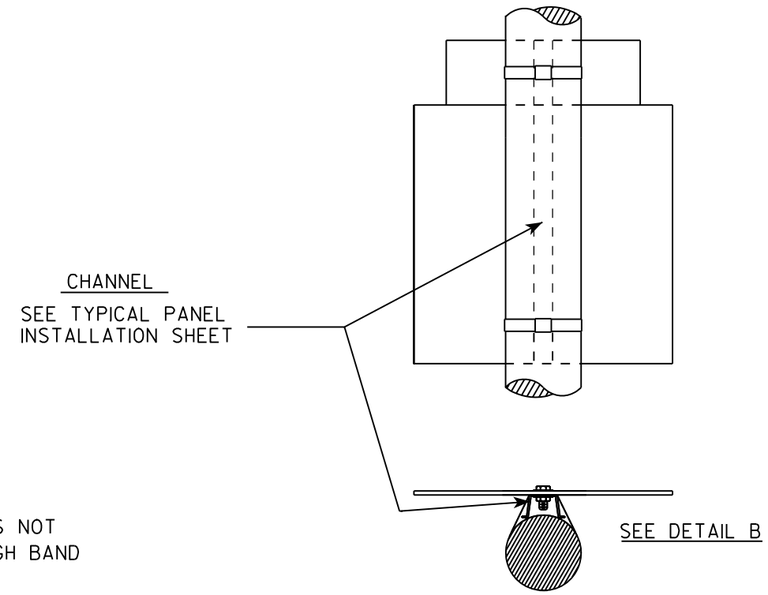
BANDING

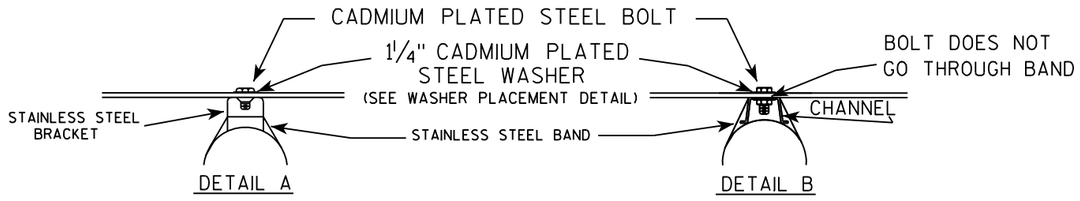
SINGLE SIGN



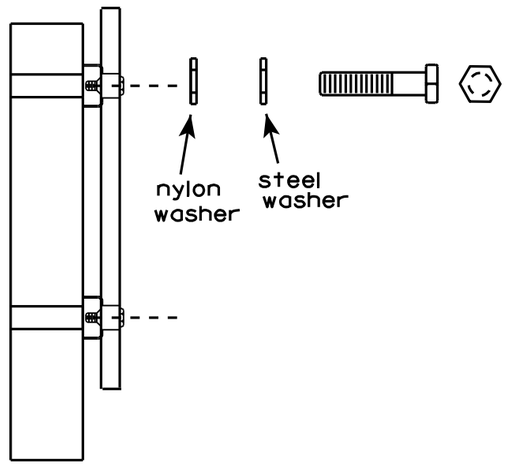


"J" ASSEMBLY





WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

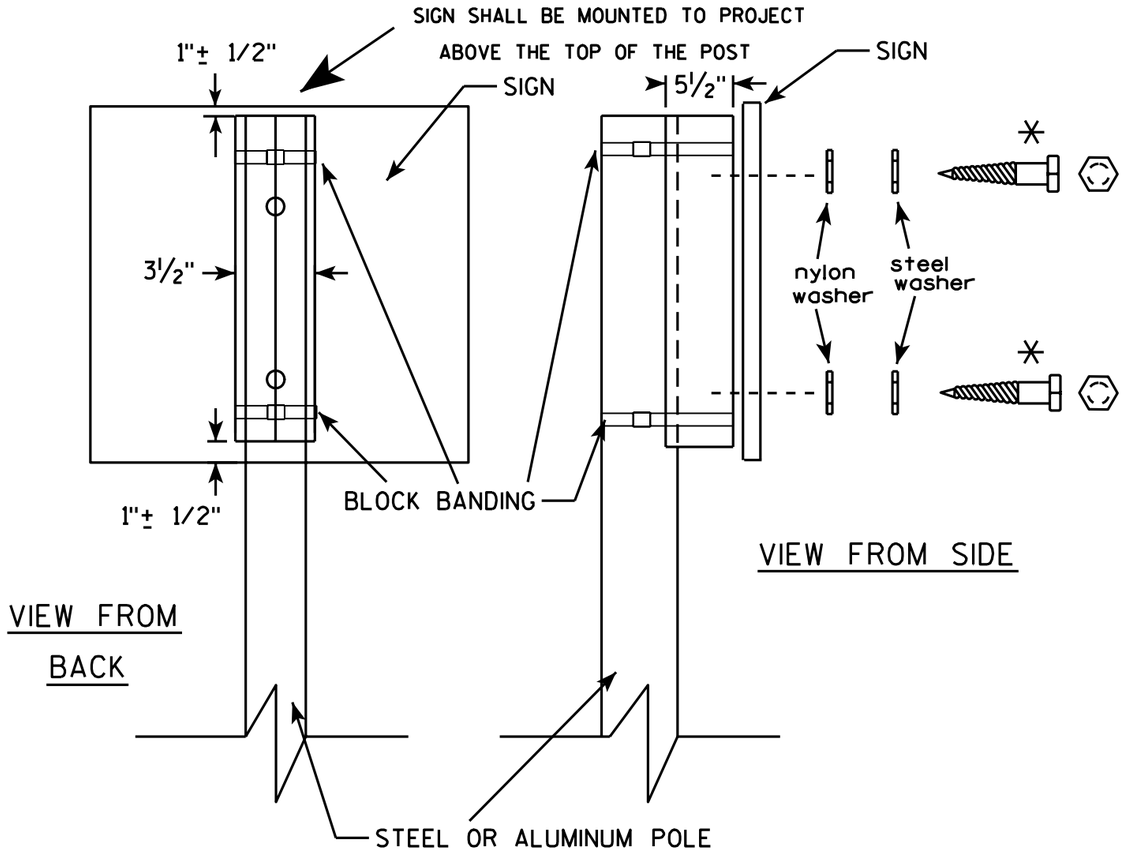
STANDARD SIGN
SIGN BANDING DETAILS

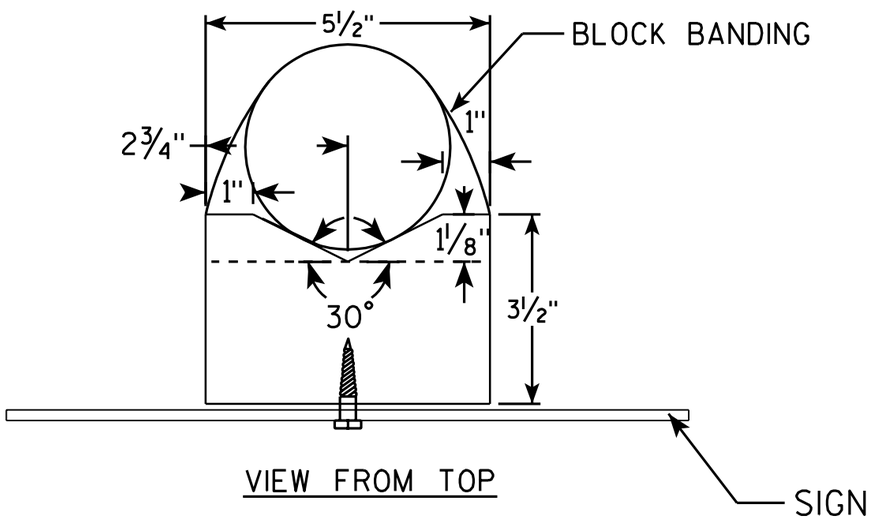
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 369	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

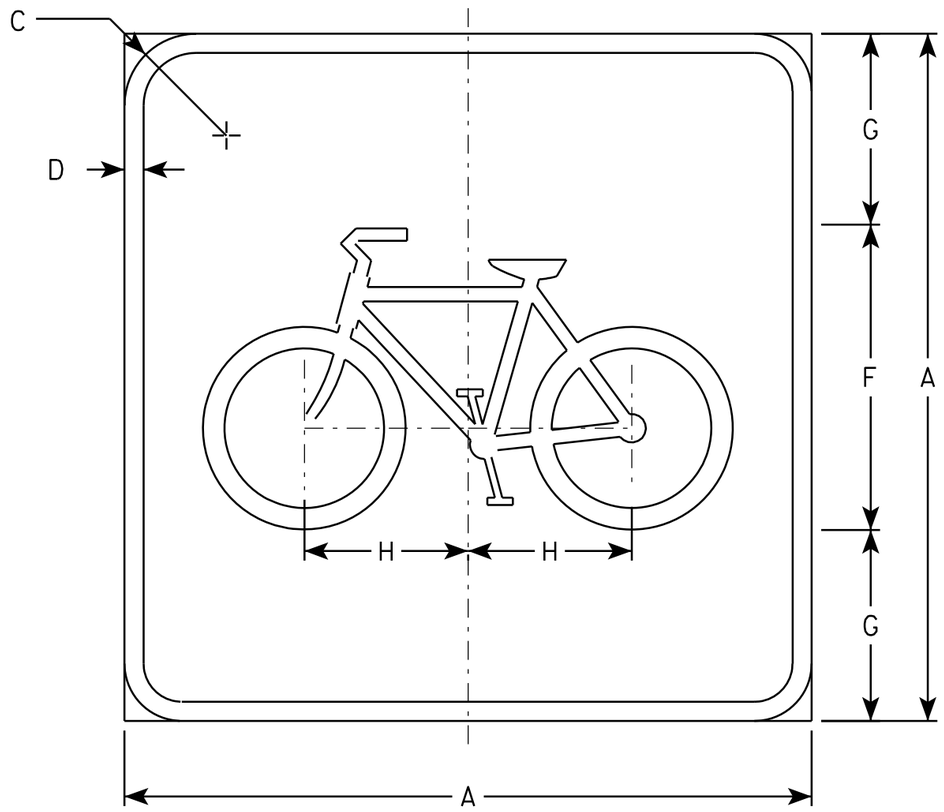
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 370 E



D11-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN
   Message - WHITE
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																											
2S	18		1 ½	½		8	5	4 ¼																			2.25
2M	18		1 ½	½		8	5	4 ¼																			2.25
3																											
4																											
5																											

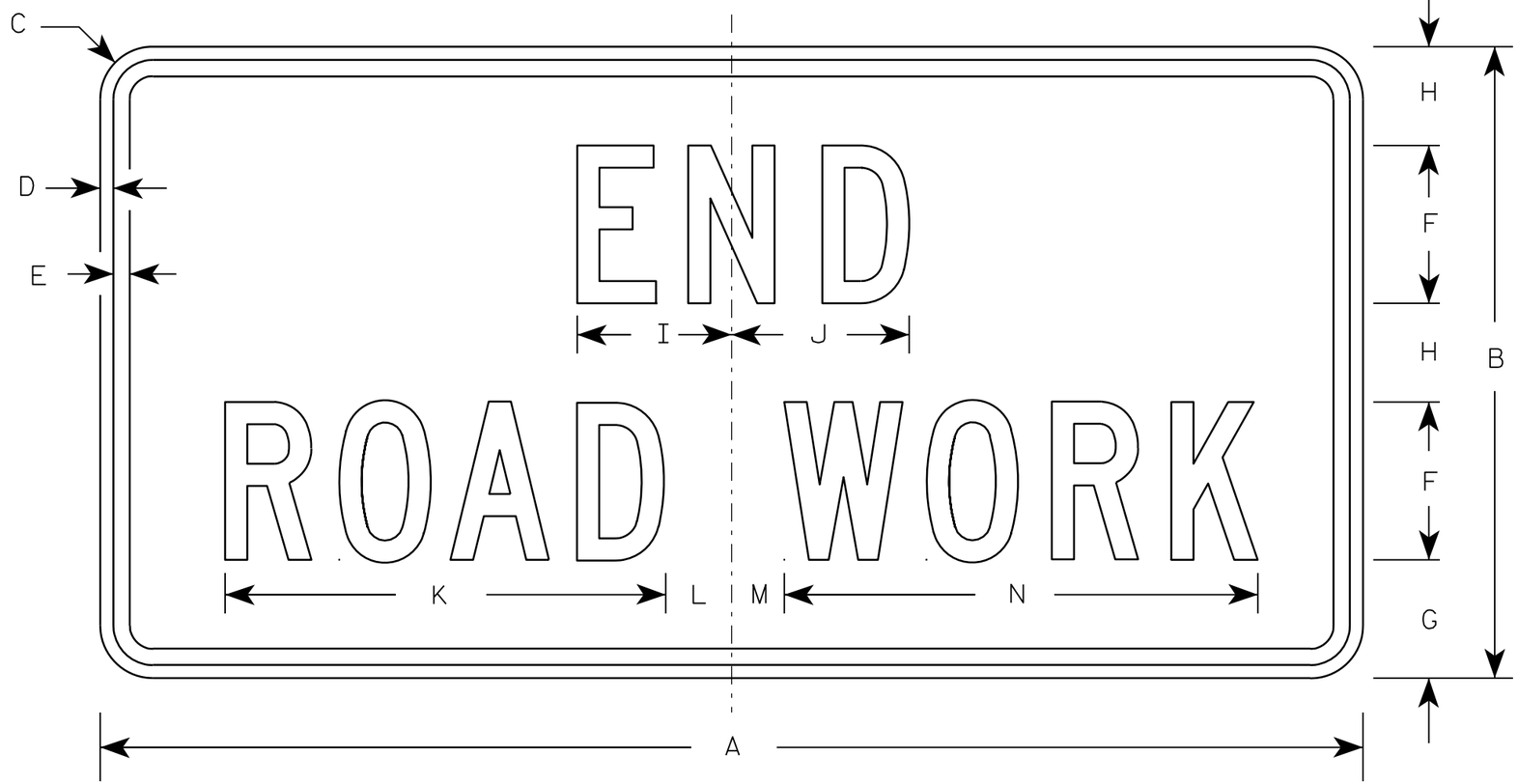
STANDARD SIGN
D11-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/12 PLATE NO. D11-1A.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 371	E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

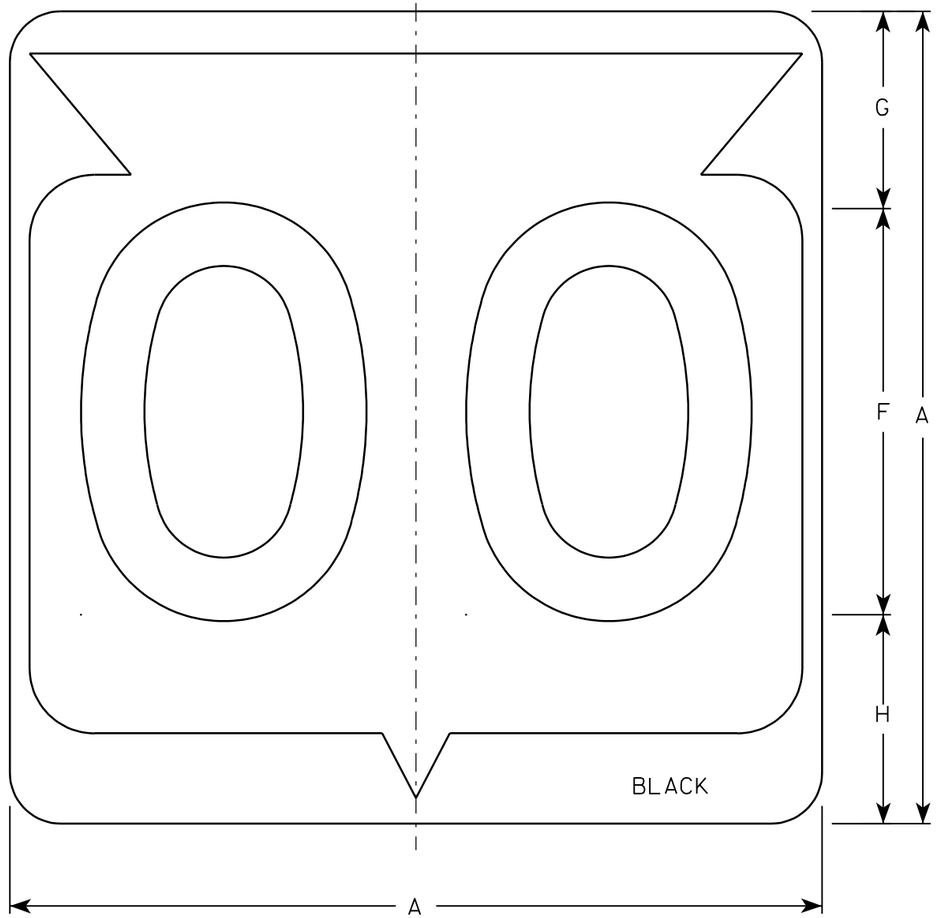
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

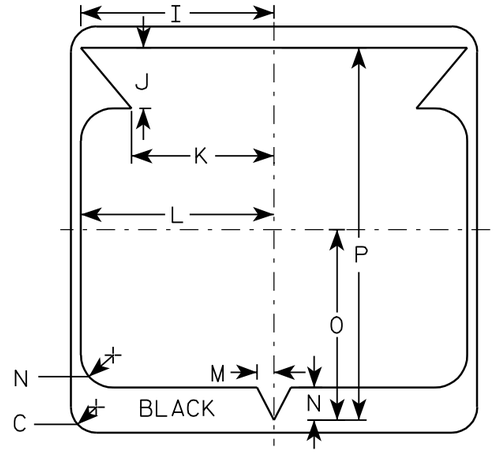
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 372	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   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. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

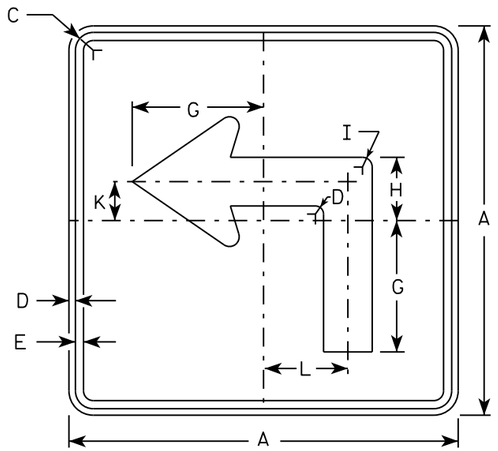
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

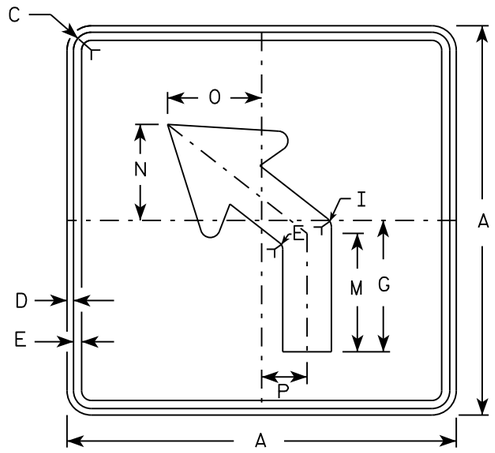
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

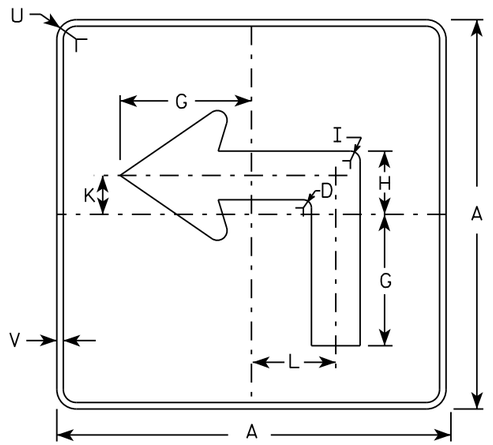
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 373	E



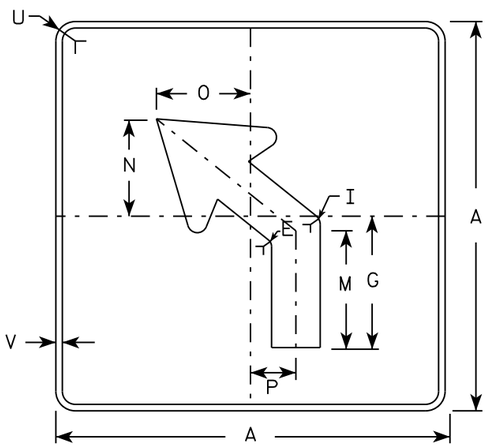
M5-1L
MM5-1L
MO5-1L
MP5-1L



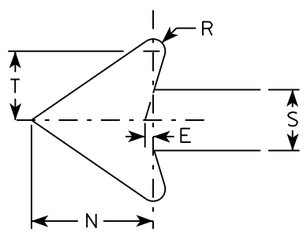
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

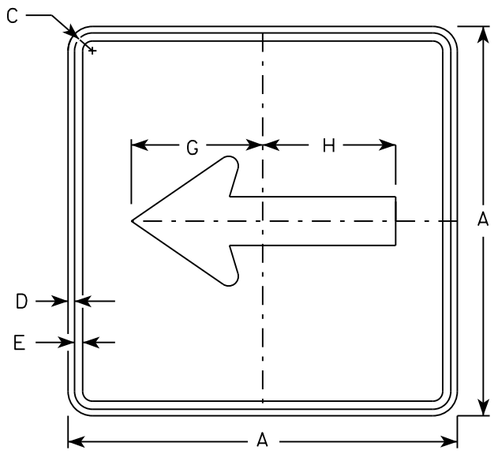
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

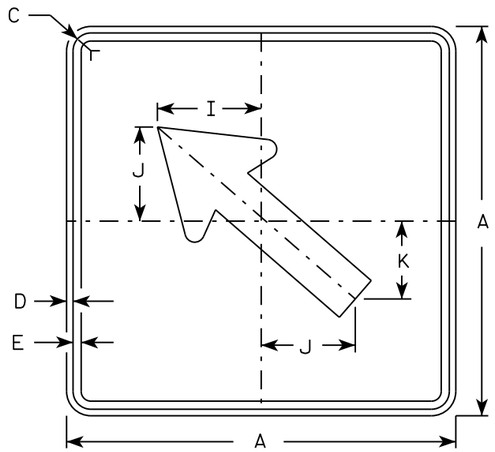
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



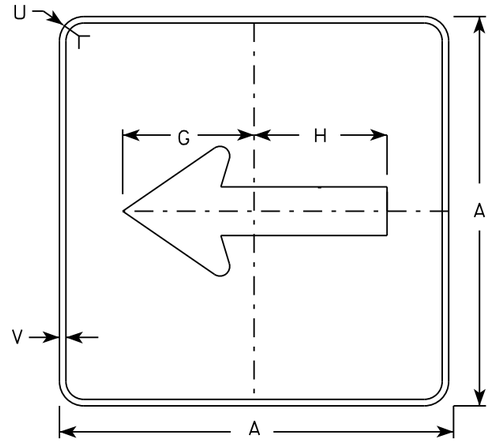
M6-1
MM6-1
MO6-1
MP6-1



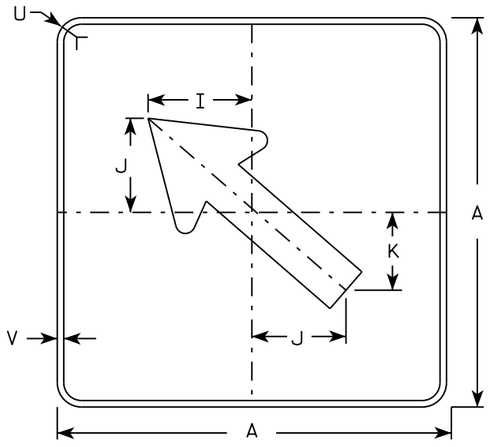
M6-2
MM6-2
MO6-2
MP6-2

NOTES

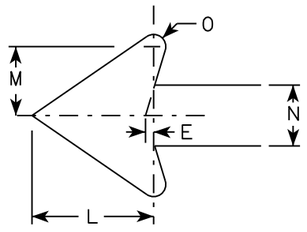
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN M6-1 & M6-2 SERIES

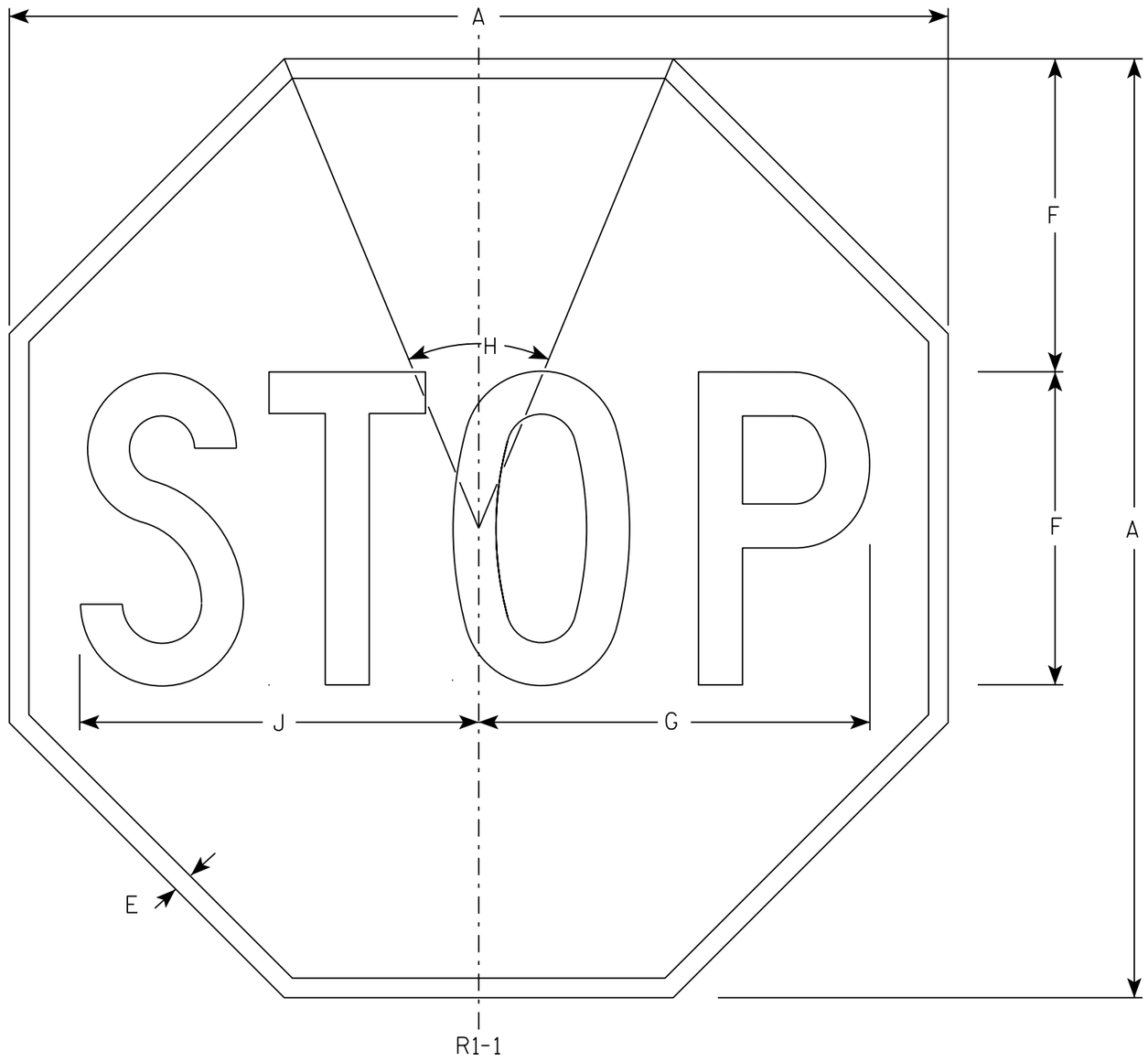
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 375 M6-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

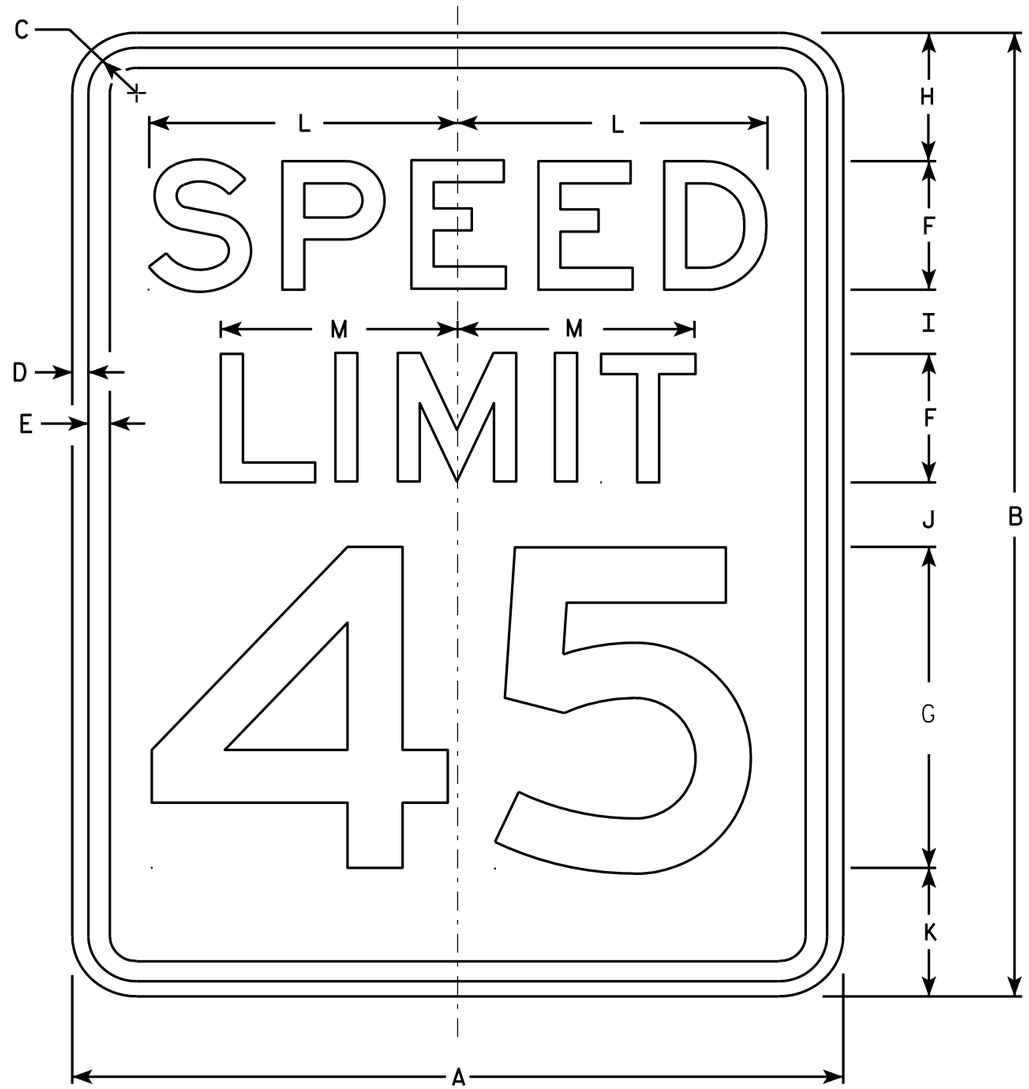
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 376	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

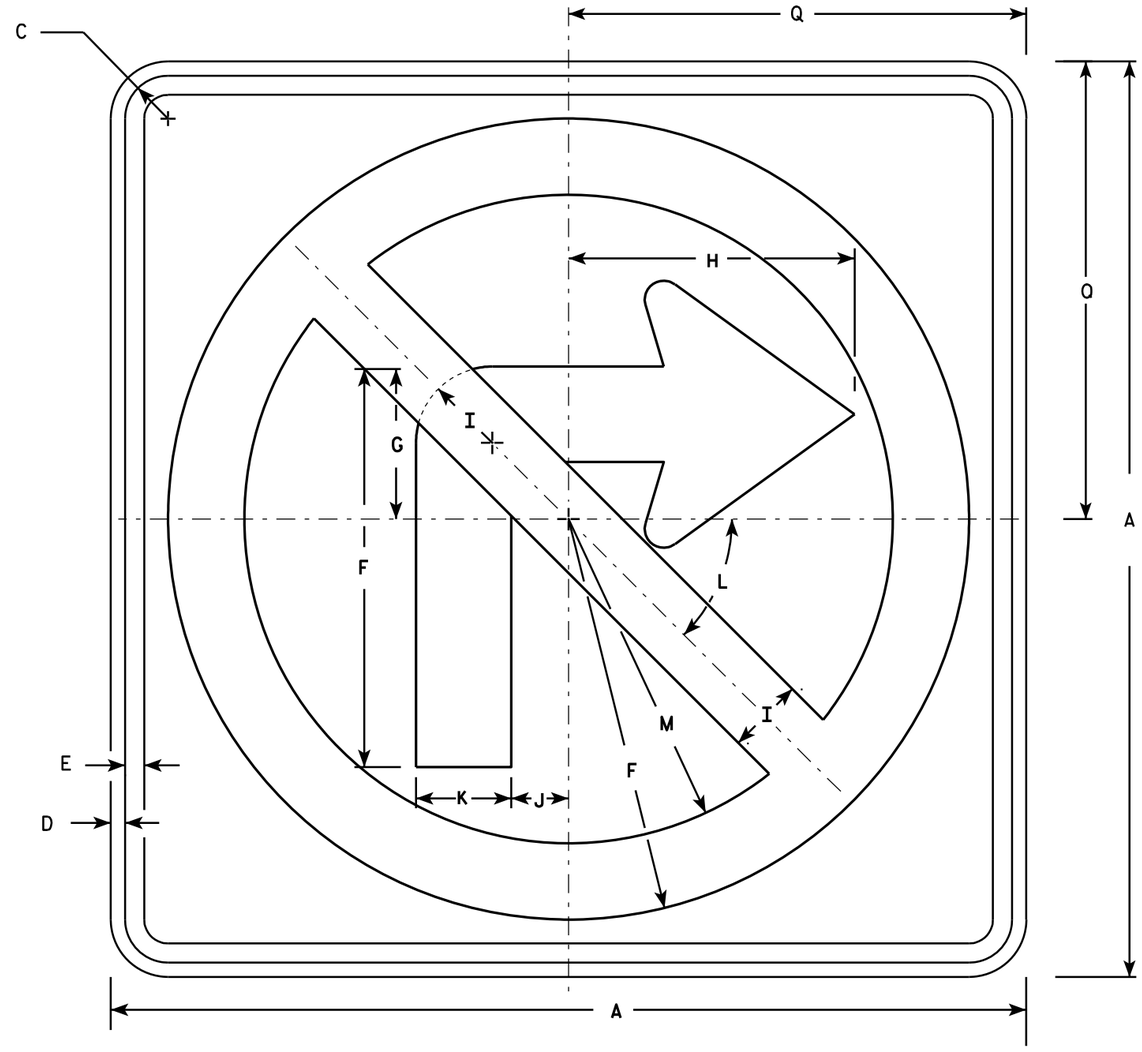
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

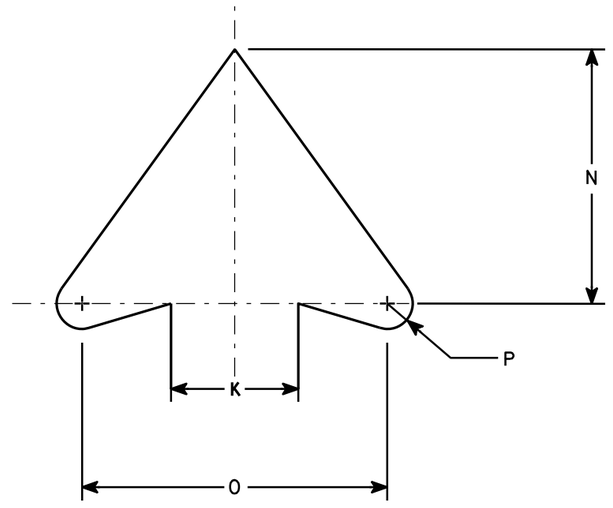
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 377 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

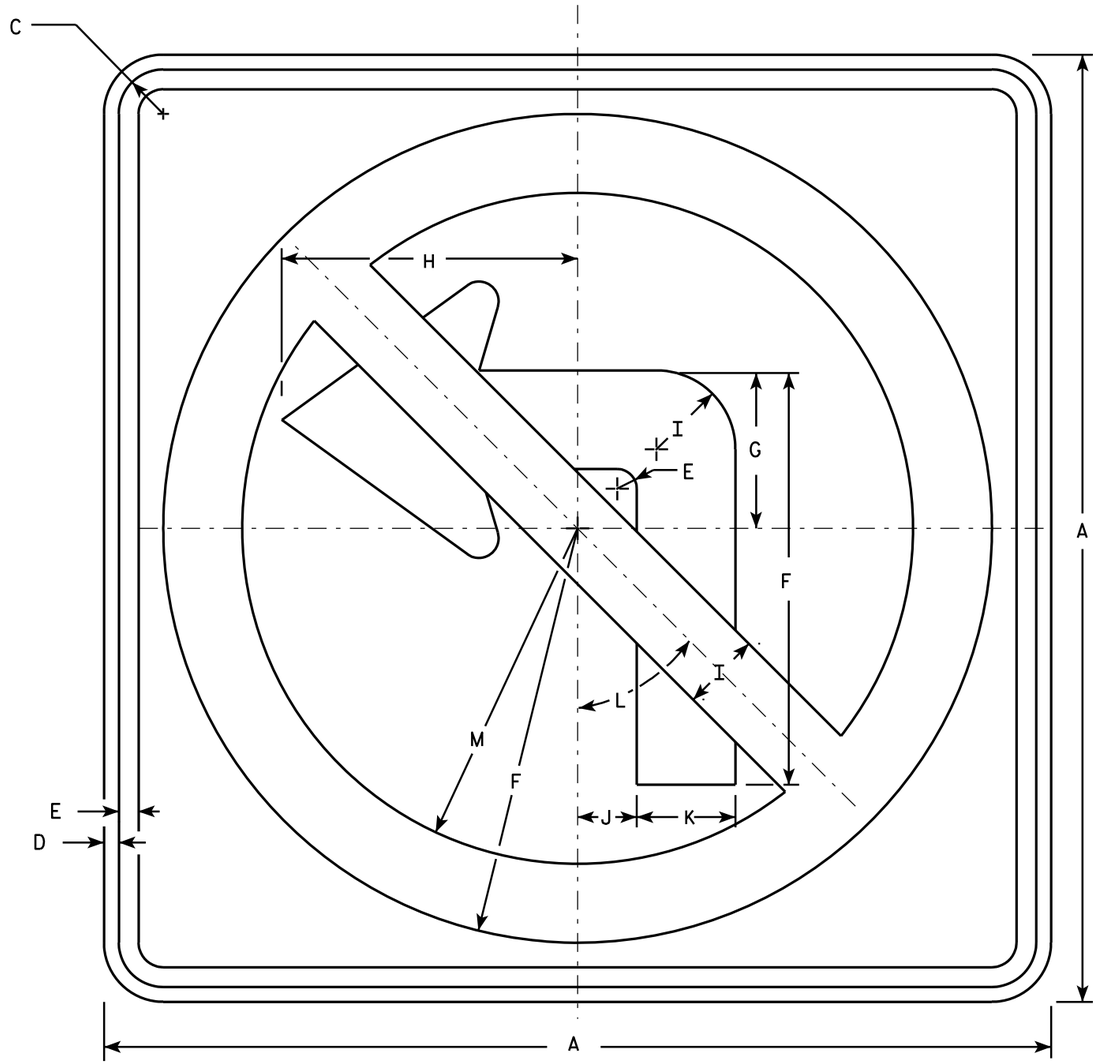
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

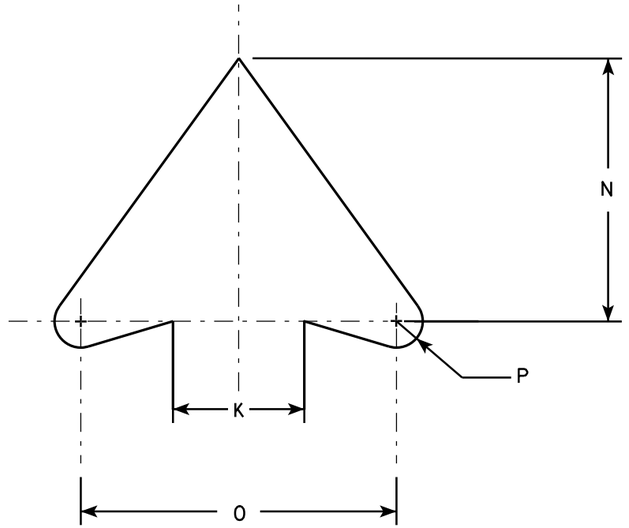
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 378	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

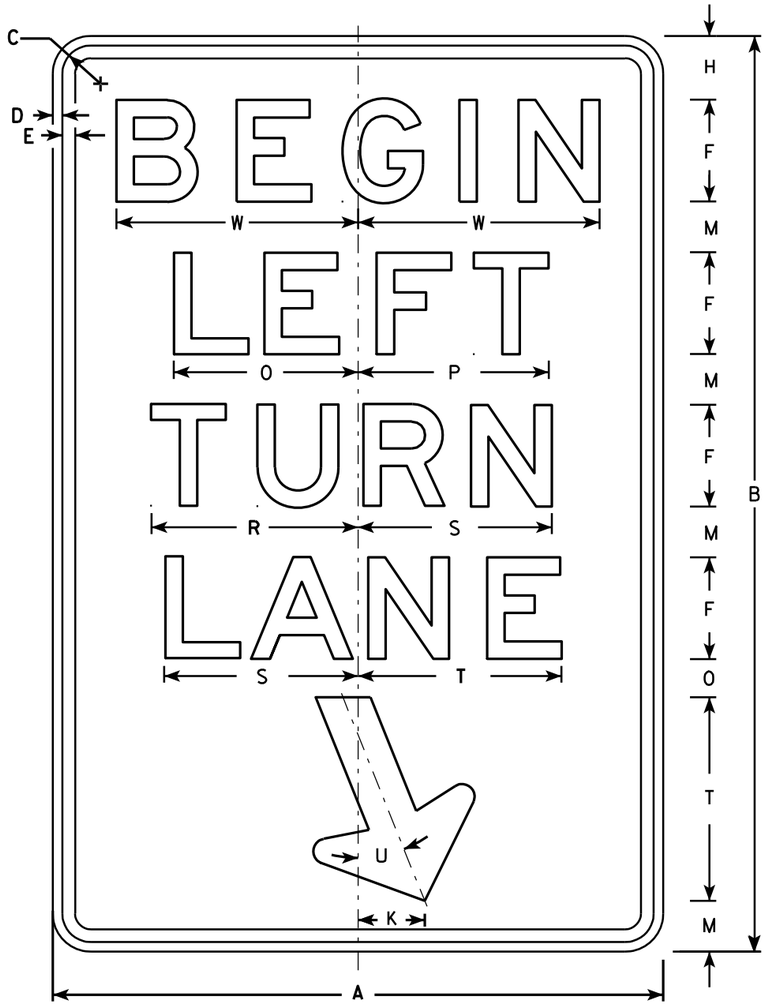
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

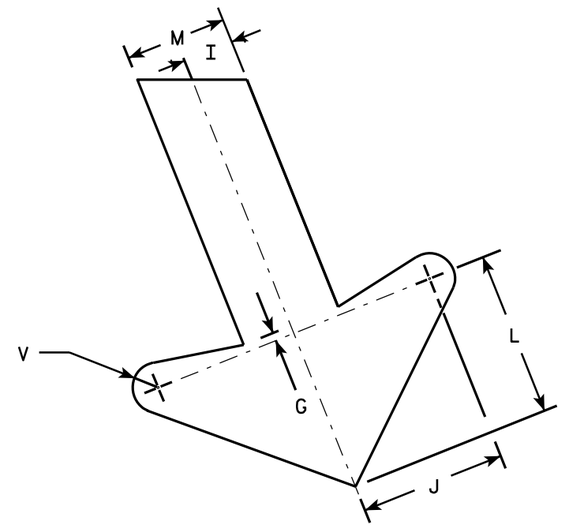
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 379	E



R3-20L

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.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

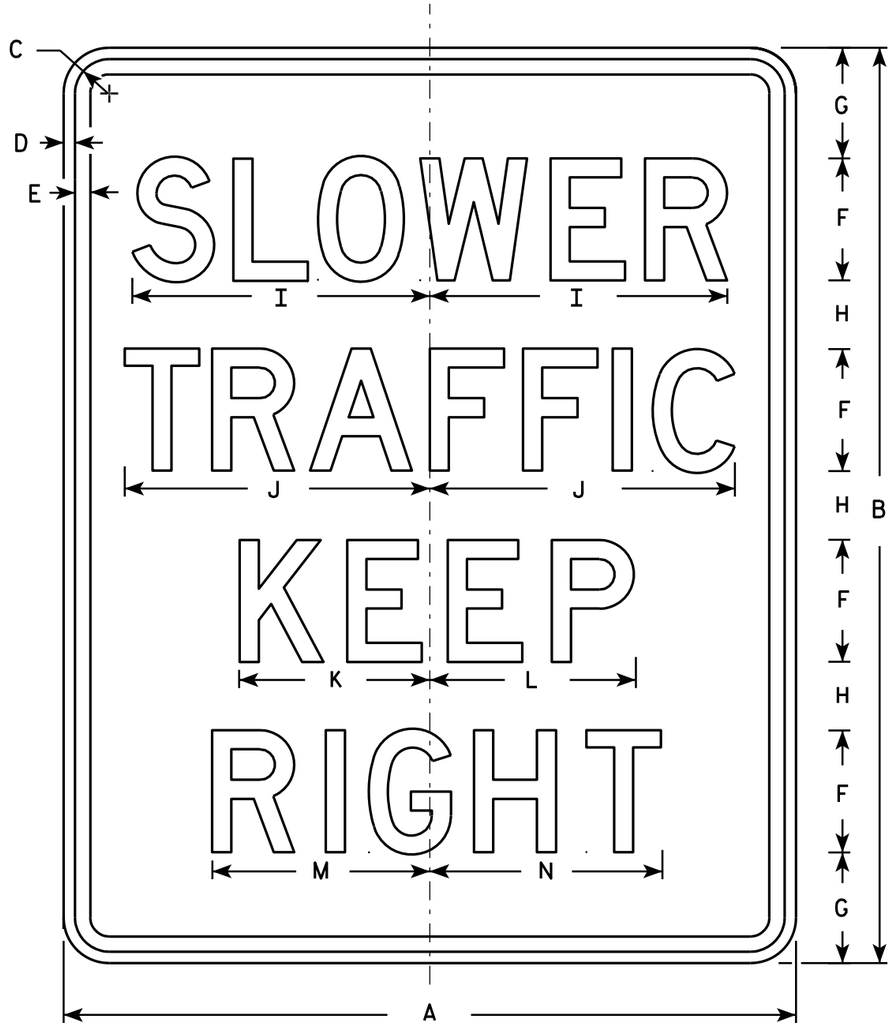
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 380 | E



R4-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
2M	24	30	1 1/8	3/8	1/2	4	3 5/8	2 1/4	9 3/4	10	6 1/4	6 3/4	7 1/8	7 5/8													5.0
3	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
4	36	48	1 5/8	5/8	3/4	6	6	4	14 5/8	15	9 3/8	10	10 3/4	11 3/8													12.0
5	48	60	2 1/4	3/4	1	8	7 1/4	4 1/2	19 1/2	20	12 1/2	13 1/2	14 1/4	15 1/4													20.0

STANDARD SIGN
R4-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-3.8

PROJECT NO:

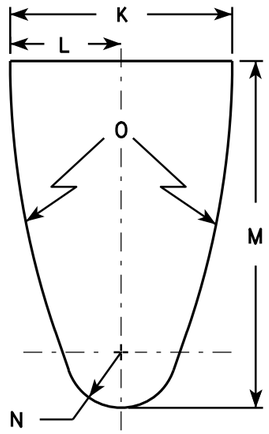
SHEET NO: 381 E

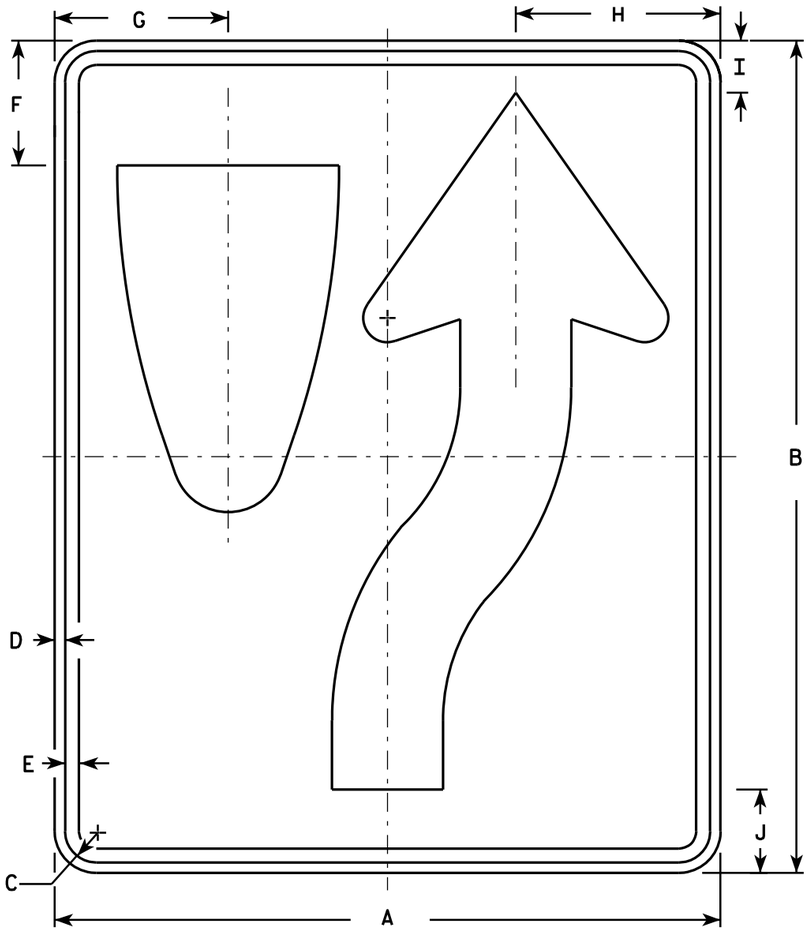
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R43.DGN PLOT DATE : 25-MAR-2011 13:40 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7

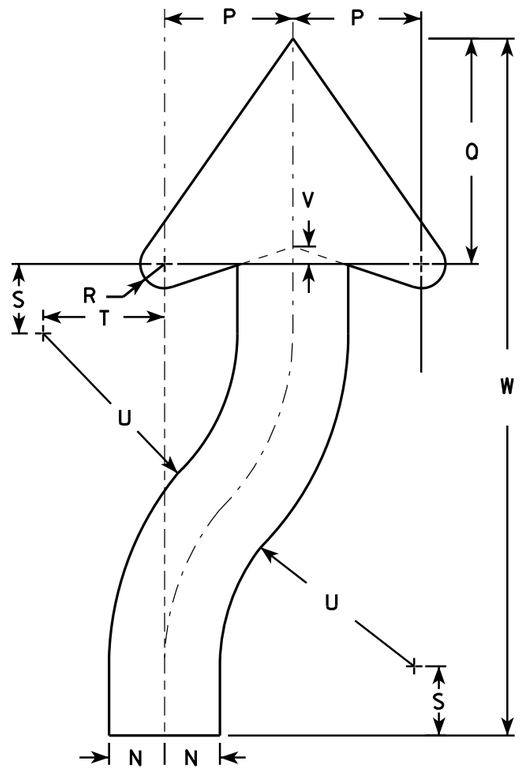




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

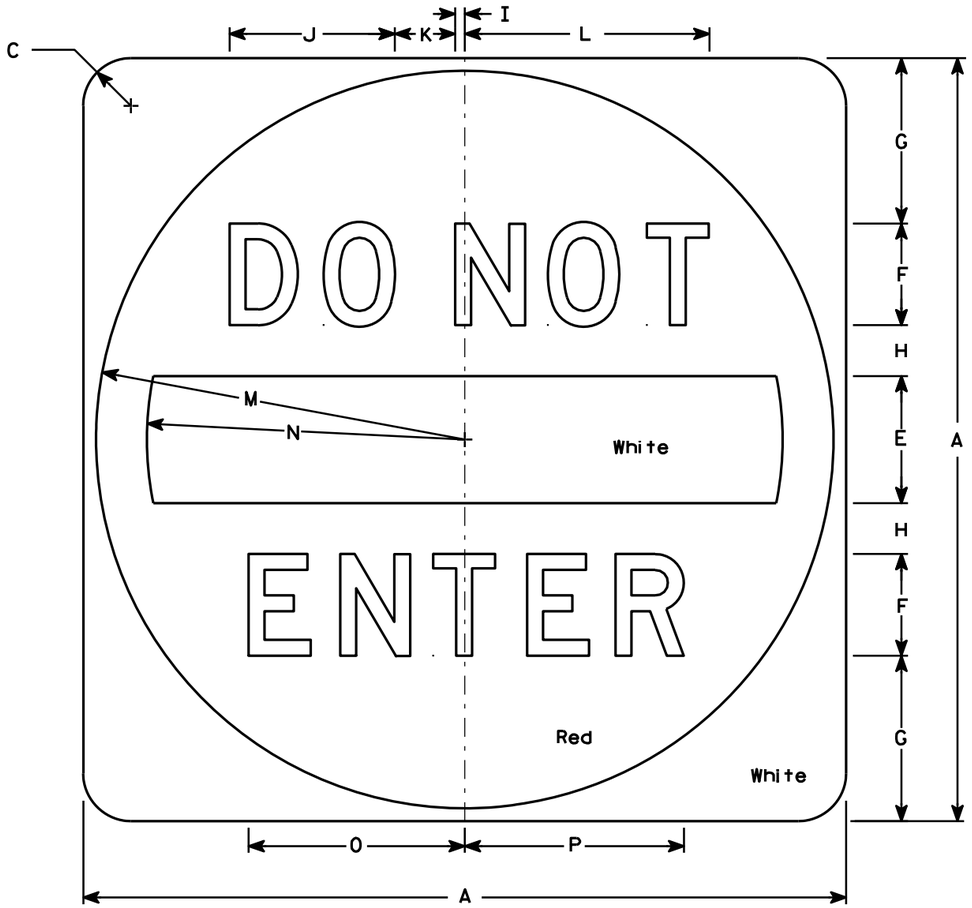
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 382	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.26
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

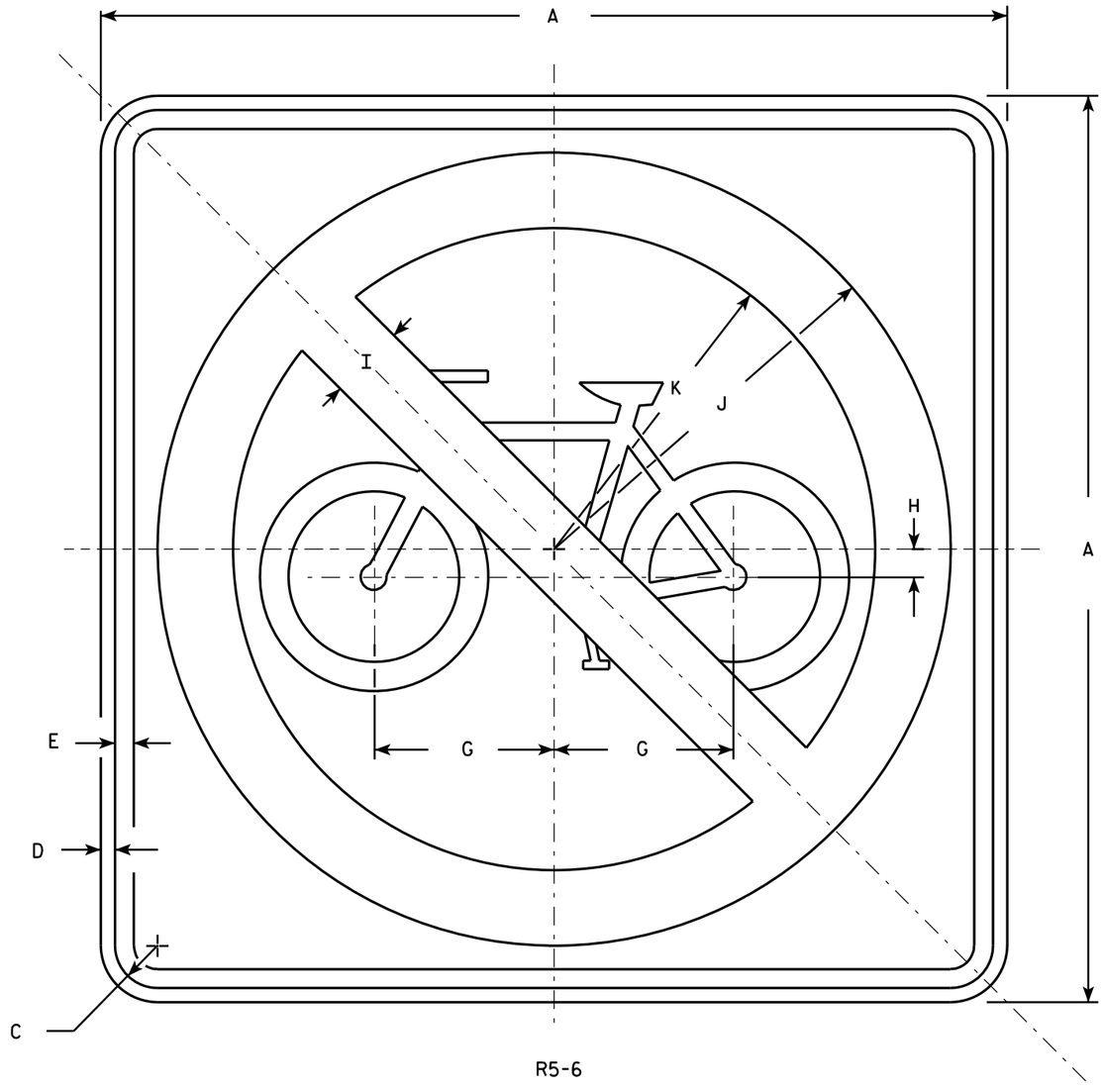
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 383 | E



R5-6

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Circle & Diagonal - Reflectorized Red.
   Bicycle Symbol & Border - Non-reflective Black.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		4 3/4	3/4	2	10 1/2	8 1/2																4.0
2M	24		1 1/8	3/8	1/2		4 3/4	3/4	2	10 1/2	8 1/2																4.0
3	30		1 3/8	1/2	5/8		5 7/8	7/8	2 1/2	13 1/8	10 5/8																6.25
4	36		1 5/8	5/8	3/4		7 1/8	1 1/8	3	15 3/4	12 3/4																9.0
5	48		2 1/4	3/4	1		9 1/2	1 1/2	4	21	17																16.0

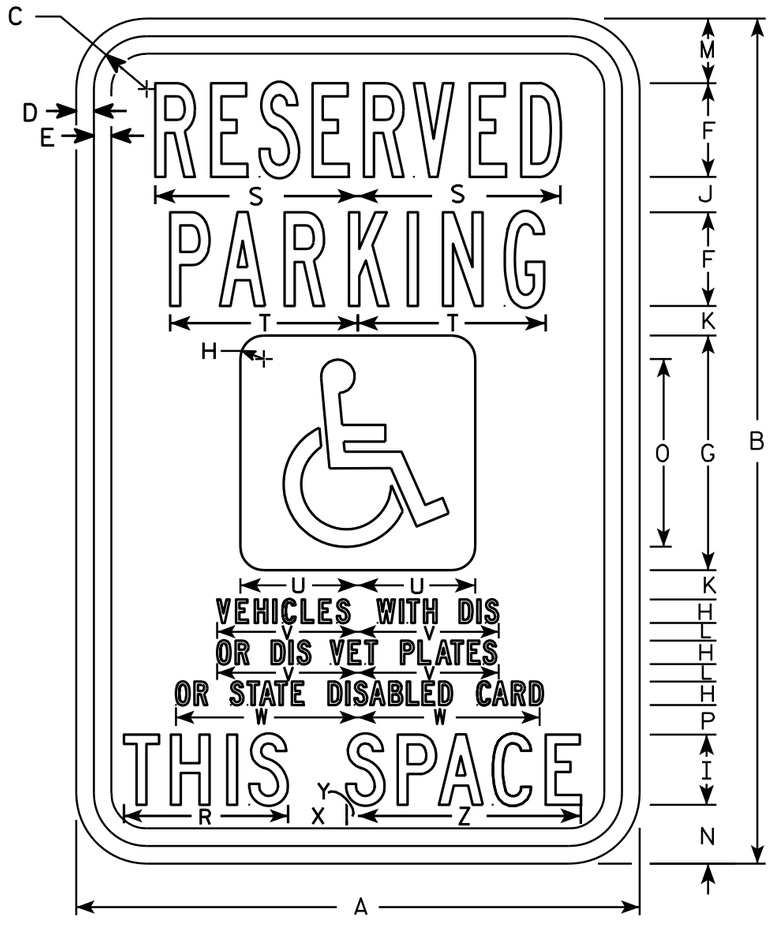
STANDARD SIGN
R5-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-6.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 384	E



R7-8A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Sign is white Type H Reflective; paraplegic background is blue.
   Message - Legend and border are green; paraplegic symbol is white
3. Message Series - Lines 1 & 2 are Series B
   Lines 3, 4, 5 & 6 are Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	18	1 1/8	3/8	3/8	2	5	1/2	1 1/2	3/4	5/8	3/8	1 3/8	1 1/4	4	5/8		3 1/2	4 3/8	4	2 1/2	3	3 7/8	1 1/4	1/4	4 3/4	1.5
2M	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0
3	18	24	1 1/8	3/8	1/2	3	6	3/4	2	7/8	5/8	1/2	1 7/8	2	5	3/4		4 5/8	6 1/2	5 3/8	3	4 1/2	5 7/8	1 1/2	1/4	6 3/8	3.0
4																											
5																											

STANDARD SIGN
R7-8A

WISCONSIN DEPT OF TRANSPORTATION

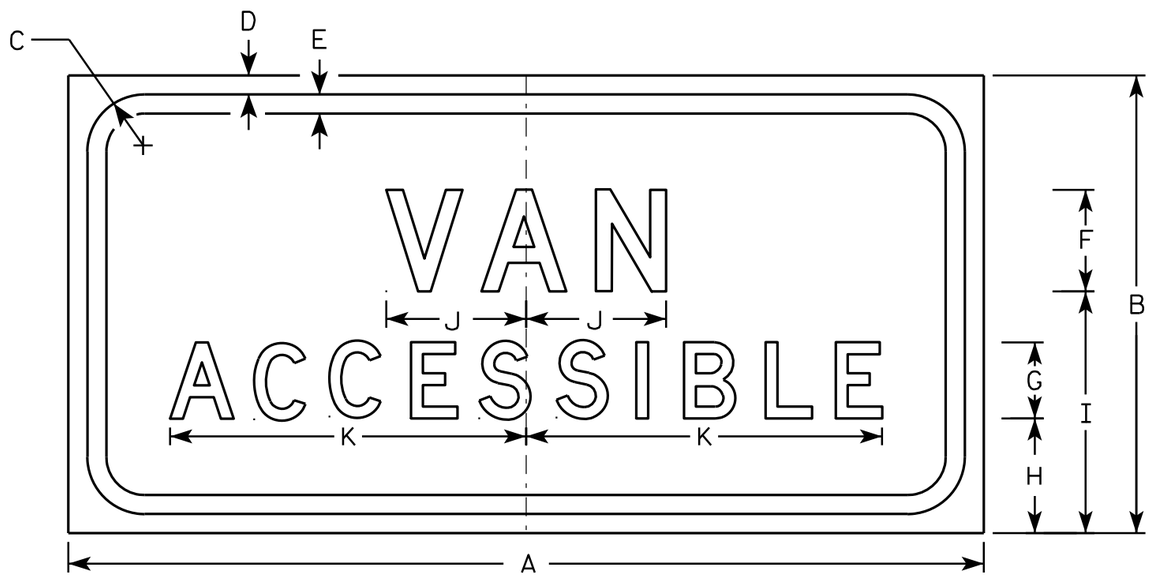
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/25/2011 PLATE NO. R7-8A.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 385 | E

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Green - Type H Reflective
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.



R7-8V

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	6	1 1/8	3/8	3/8	1 1/2	1	1 5/8	3 1/2	2	4 1/4																0.50
2M	18	9	1 1/8	3/8	3/8	2	1 1/2	2 1/4	4 3/4	2 3/4	7																0.75
3	18	9	1 1/8	3/8	3/8	2	1 1/2	2 1/4	4 3/4	2 3/4	7																0.75
4																											
5																											

STANDARD SIGN
R7-8V

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-8V.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 386 | E

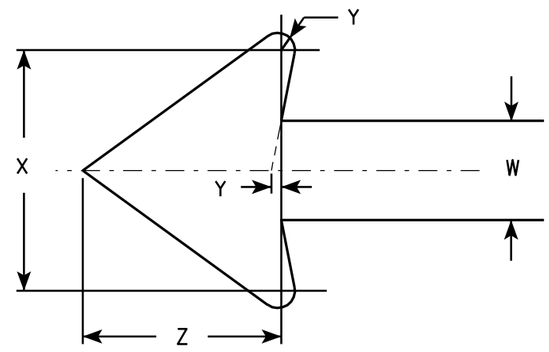
FILE NAME : C:\Users\PROJECTS\tr_stdplate\R78V.DGN PLOT DATE : 31-MAR-2011 11:13 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 2.979520:1.000000

WISDOT/CADDS SHEET 42

R7-51

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

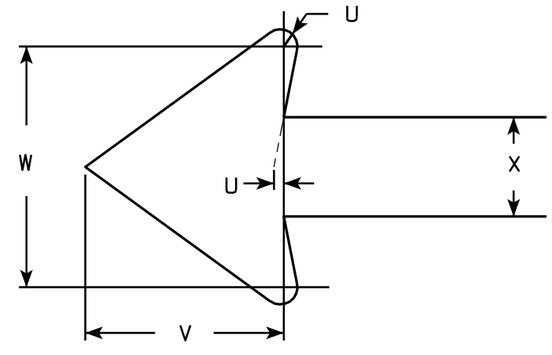
DATE 3/31/2011 PLATE NO. R7-51.6

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 387	E

R7-52

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-52D (double arrow)
   R7-52L (left arrow)
   R7-52R (right arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	1 1/2	7/8	7/8	2	2 1/2	2	2	4 7/8	4 7/8	5 1/8	5	3 1/8	3 7/8	1/8	1 1/2	1 3/4	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	6 3/8	6 1/4	3 7/8	5 7/8	1/4	2 1/4	2 5/8	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 5/8	7 5/8	4 3/4	7 3/4	1/4	3	3 1/2	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 5/8	7 5/8	4 3/4	7 3/4	1/4	3	3 1/2	1 1/2			5.0
4																											
5																											

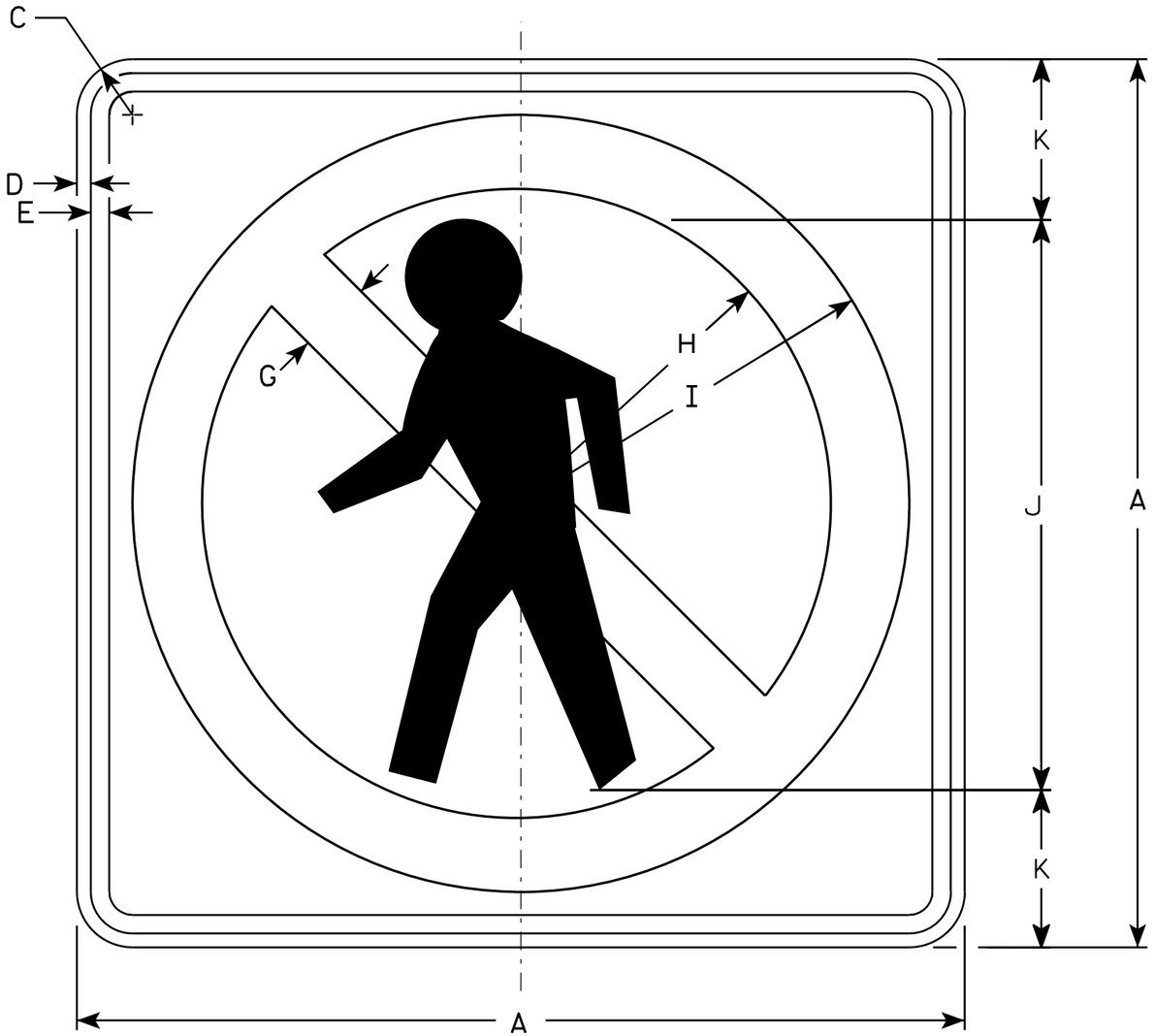
STANDARD SIGN
R7-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-52.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 388	E



R9-3A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Pedistrian are non-reflective black. Circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
2M	18		1 1/8	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
3																											
4	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
5																											

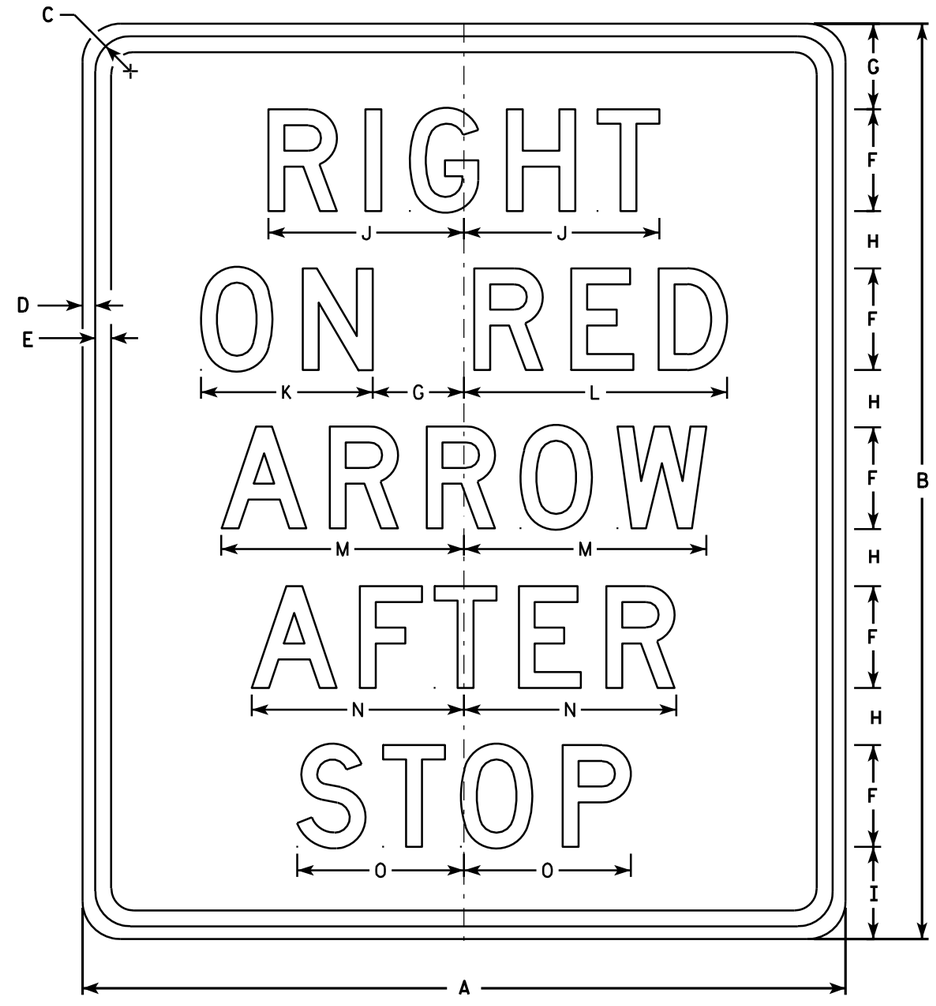
STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 389 | E



R10-17A

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	30	36	1 3/8	1/2	5/8	4	3 3/8	2 1/4	3 5/8	7 3/4	6 3/4	10 3/8	9 1/2	8 3/8	6 5/8												7.5
2M	30	36	1 3/8	1/2	5/8	4	3 3/8	2 1/4	3 5/8	7 3/4	6 3/4	10 3/8	9 1/2	8 3/8	6 5/8												7.5
3																											
4																											
5																											

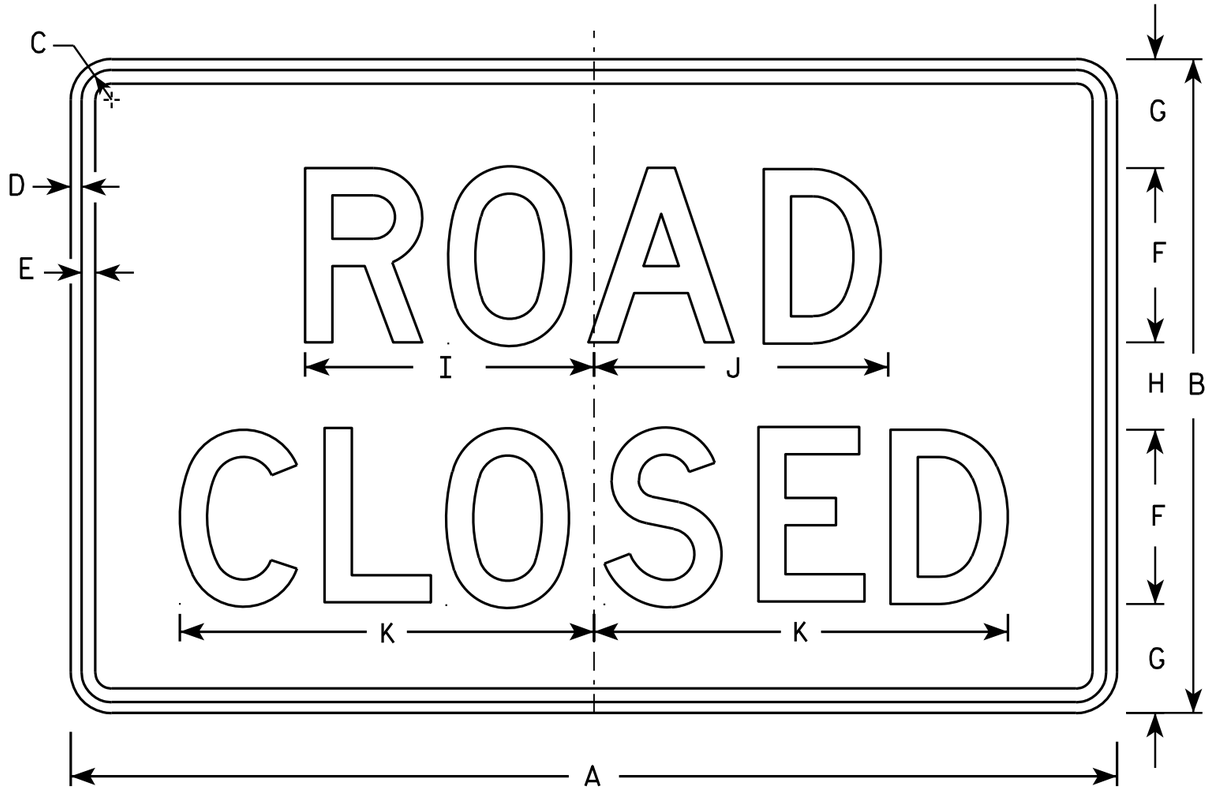
STANDARD SIGN
R10-17A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-17A.2

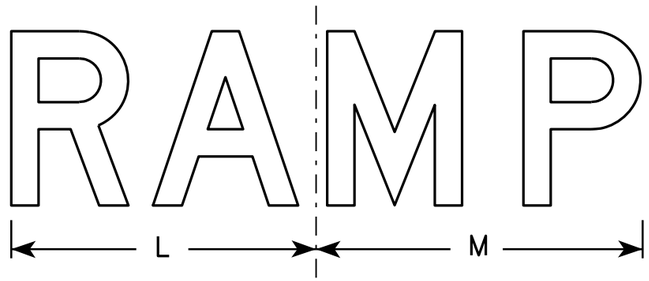
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 390	E



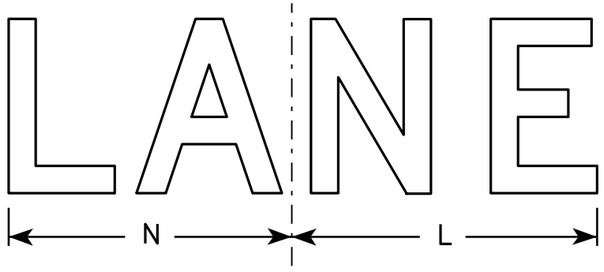
R11-2

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.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

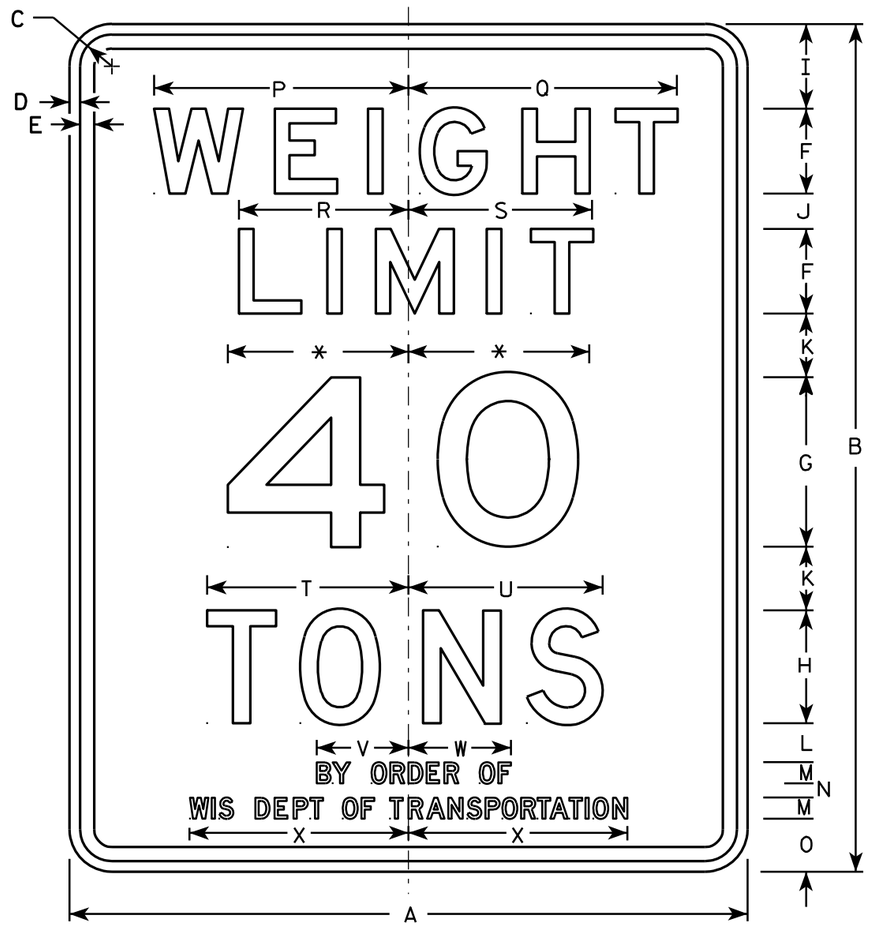
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 391	E



R12-1

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 - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 2 & 3 are series E
   Lines 4, 5, & 6 are series D.
6. Substitute appropriate numeral and optically adjust spacing to achieve proper balance.
7. Substitute name of county or town on County Trunk and Town Highways respectively. Community name on City or Village Streets including Connecting Highways is optional.

* Varies (see note 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	24	30	1 1/8	3/8	1/2	3	6	4	3	1 1/4	2 1/4	1 3/8	3/4	1/2	1 7/8	9	9 1/2	6	6 1/2	7 1/8	6 7/8	3 1/4	3 5/8	7 3/4			5.0
2S	24	30	1 1/8	3/8	1/2	3	6	4	3	1 1/4	2 1/4	1 3/8	3/4	1/2	1 7/8	9	9 1/2	6	6 1/2	7 1/8	6 7/8	3 1/4	3 5/8	7 3/4			5.0
2M	24	30	1 1/8	3/8	1/2	3	6	4	3	1 1/4	2 1/4	1 3/8	3/4	1/2	1 7/8	9	9 1/2	6	6 1/2	7 1/8	6 7/8	3 1/4	3 5/8	7 3/4			5.0
3	36	48	1 3/8	1/2	5/8	6	10	8	4 1/2	2 1/2	2 1/4	1 1/2	3/4	1/2	3	13 1/2	14 1/4	9	9 3/4	10 5/8	10 1/4	3 1/4	3 5/8	7 3/4			12.0
4	48	60	2 1/4	3/4	1	6	12	8	6	2 1/2	4 1/2	2 3/4	1 1/2	1	3 3/4	18	19	12	13	14 1/4	13 3/4	6 1/2	7 1/4	15 1/2			20.0
5																											

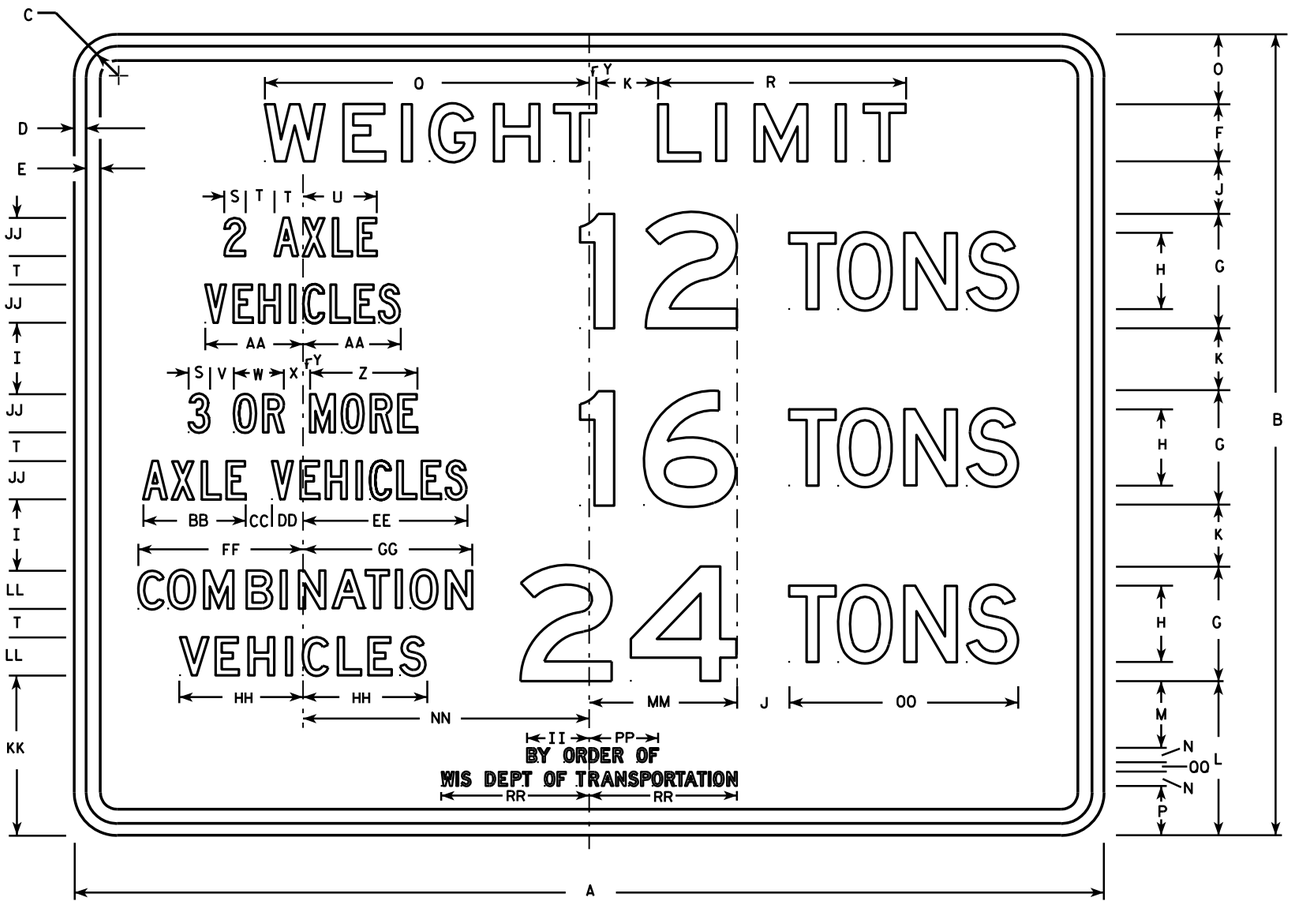
STANDARD SIGN
R12-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R12-1.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 392 | E



R12-56

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 - See table below.
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.
6. Substitute name of county or town on County Trunk and Town Highways respectively. Community name on City or Village Streets including Connecting Highways is optional.

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	54	42	1 5/8	5/8	3/4	3 E	6 E	4 D	3 3/4	2 3/4	3 1/4	8	3 1/2	3/4 D	3 3/4	2 1/2	17	13	1 1/8	1 1/2	3 7/8	1 1/4	2 5/8	1	3/8	5 5/8	15.75
2M	54	42	1 5/8	5/8	3/4	3 E	6 E	4 D	3 3/4	2 3/4	3 1/4	8	3 1/2	3/4 D	3 3/4	2 1/2	17	13	1 1/8	1 1/2	3 7/8	1 1/4	2 5/8	1	3/8	5 5/8	15.75
3																											
4																											
5																											

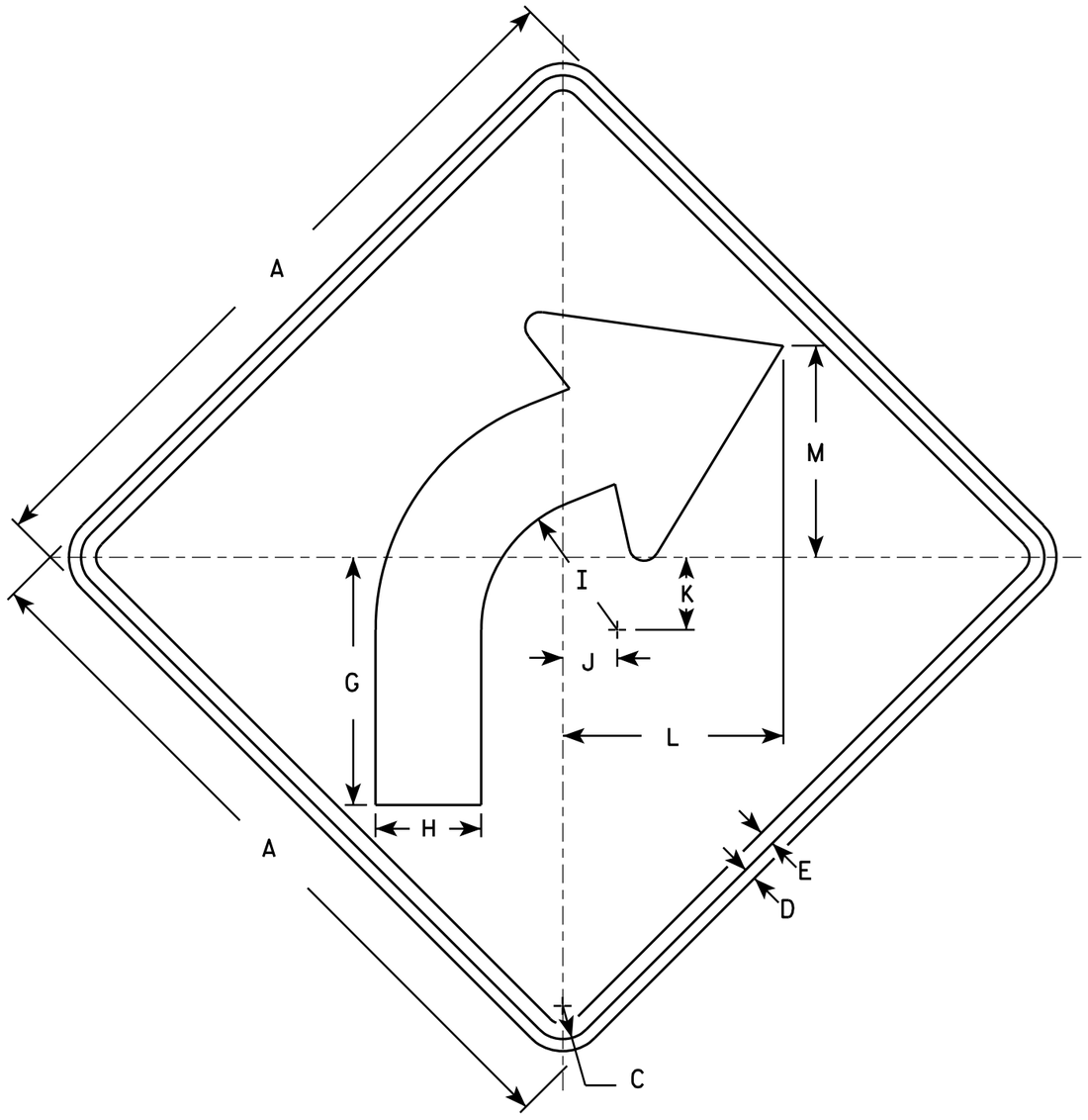
SIZE	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	UU	VV	WW	XX	YY	ZZ
1																										
2S	5 1/8	5 3/8	1 3/8	1 5/8	8 5/8	8 7/8	8 7/8	6 1/2	3 1/4	2 C	8 3/8	2 D	7 3/4	15	12	3 5/8	1/2	7 3/4								
2M	5 1/8	5 3/8	1 3/8	1 5/8	8 5/8	8 7/8	8 7/8	6 1/2	3 1/4	2 C	8 3/8	2 D	7 3/4	15	12	3 5/8	1/2	7 3/4								
3																										
4																										
5																										

STANDARD SIGN
R12-56
WISCONSIN DEPT OF TRANSPORTATION
APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 4/1/11 PLATE NO. R12-56.11

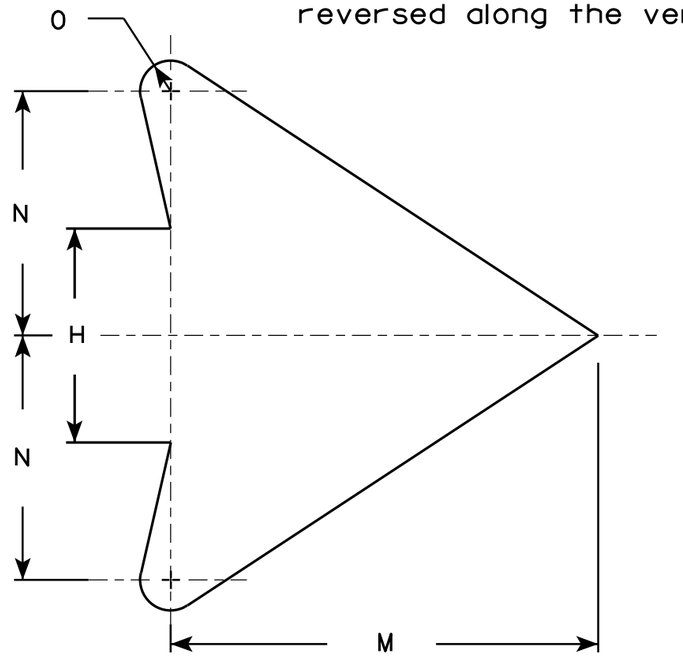
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 393 | E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

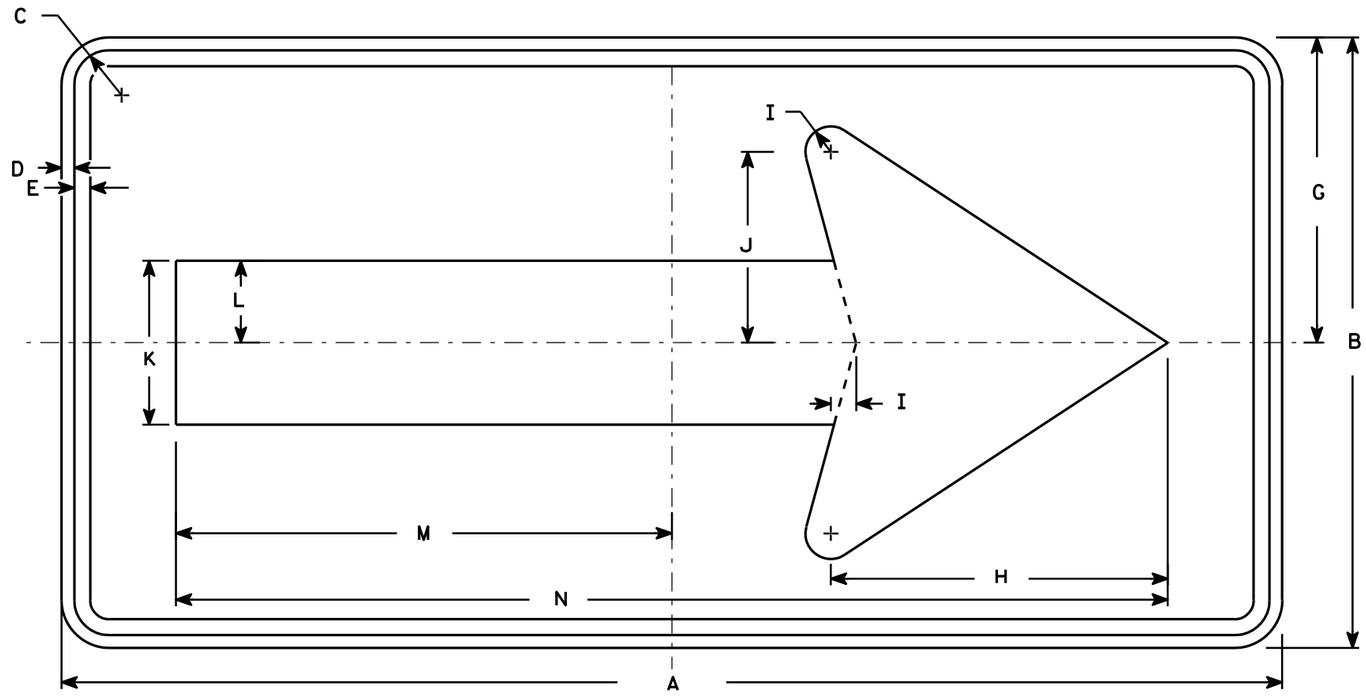
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 394	E



W1-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

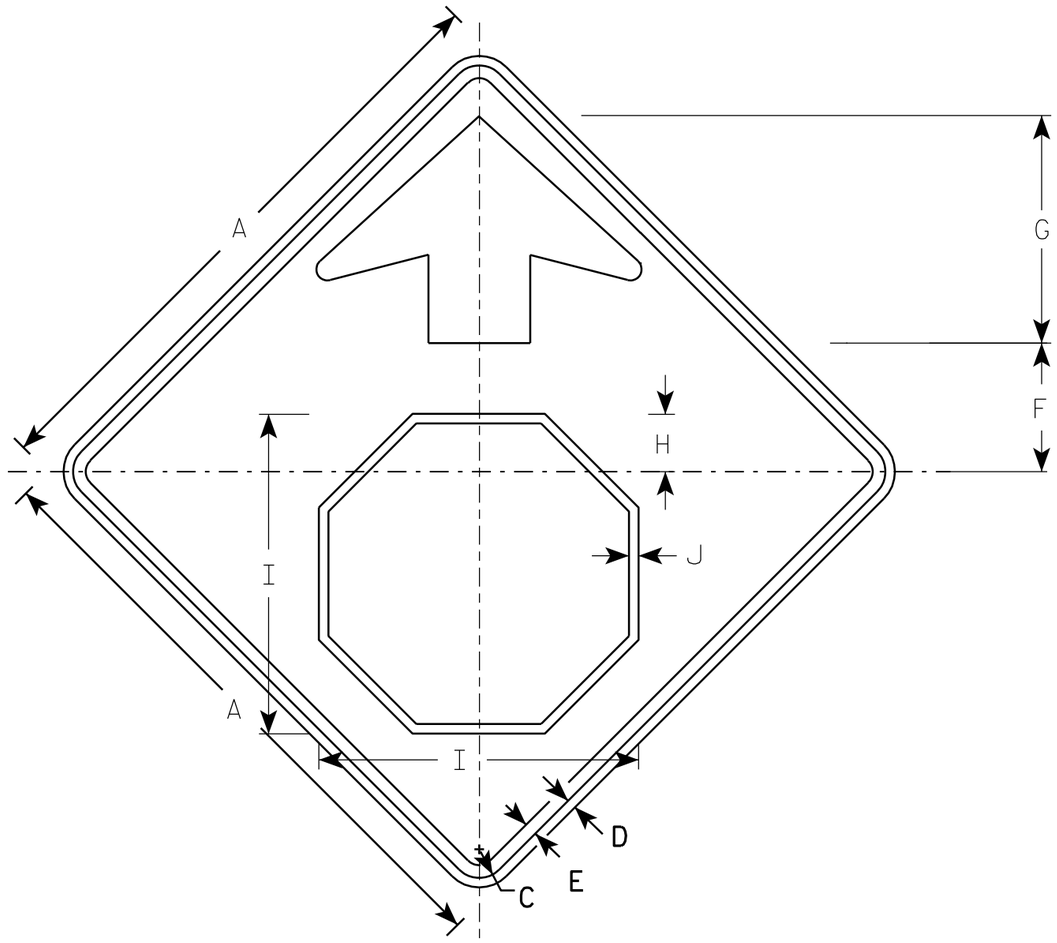
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

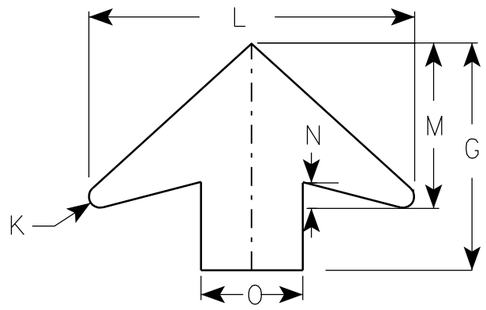
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 395



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

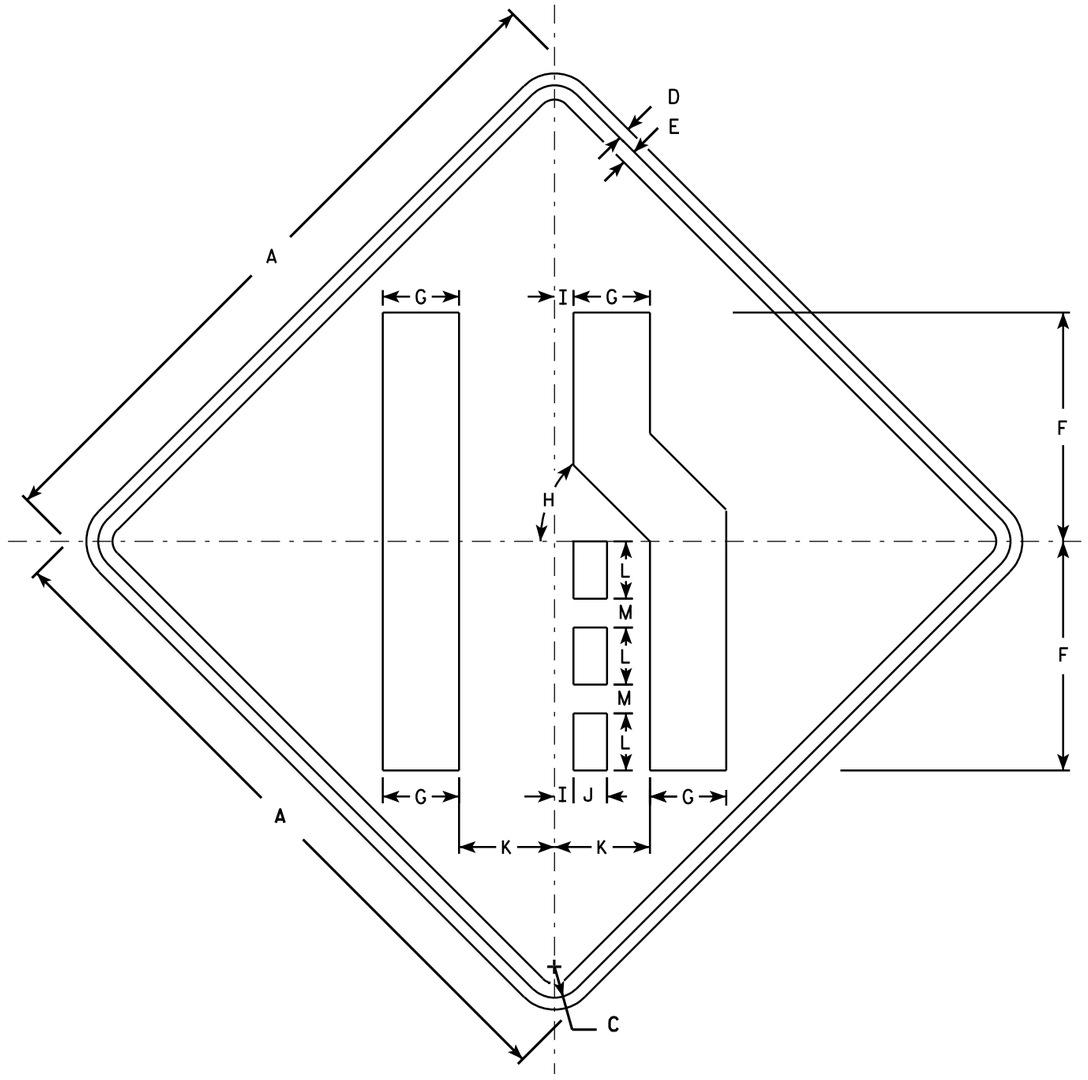
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 396 E



W4-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W4-2L is the same as W4-2R except the symbol 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	30		1 3/8	1/2	5/8	10	3 3/8	45°	7/8	1 1/2	4 1/4	2 1/2	1 1/4														6.25
2S	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2M	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
3	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W4-2

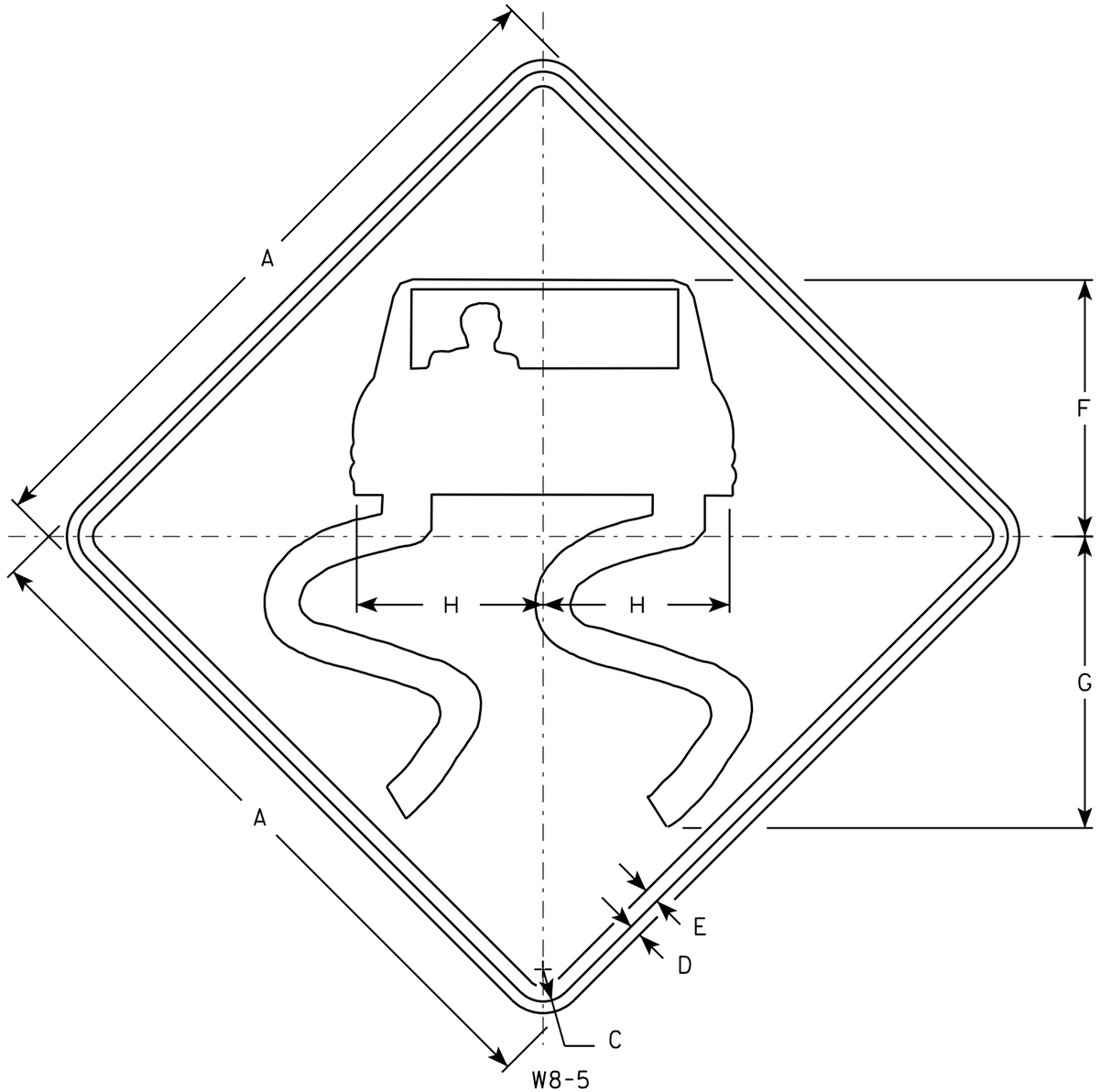
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/12/13 PLATE NO. W4-2.14

PROJECT NO:

SHEET NO: 397 E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. 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	8 3/4	9 7/8	6 3/8																			4.0
2S	30		1 3/8	1/2	5/8	11	12 1/2	8																			6.25
2M	36		1 5/8	5/8	3/4	13	14 7/8	9 1/2																			9.0
3	36		1 5/8	5/8	3/4	13	14 7/8	9 1/2																			9.0
4	36		1 5/8	5/8	3/4	13	14 7/8	9 1/2																			9.0
5	48		2 1/4	3/4	1	17 3/8	19 3/4	12 5/8																			16.0

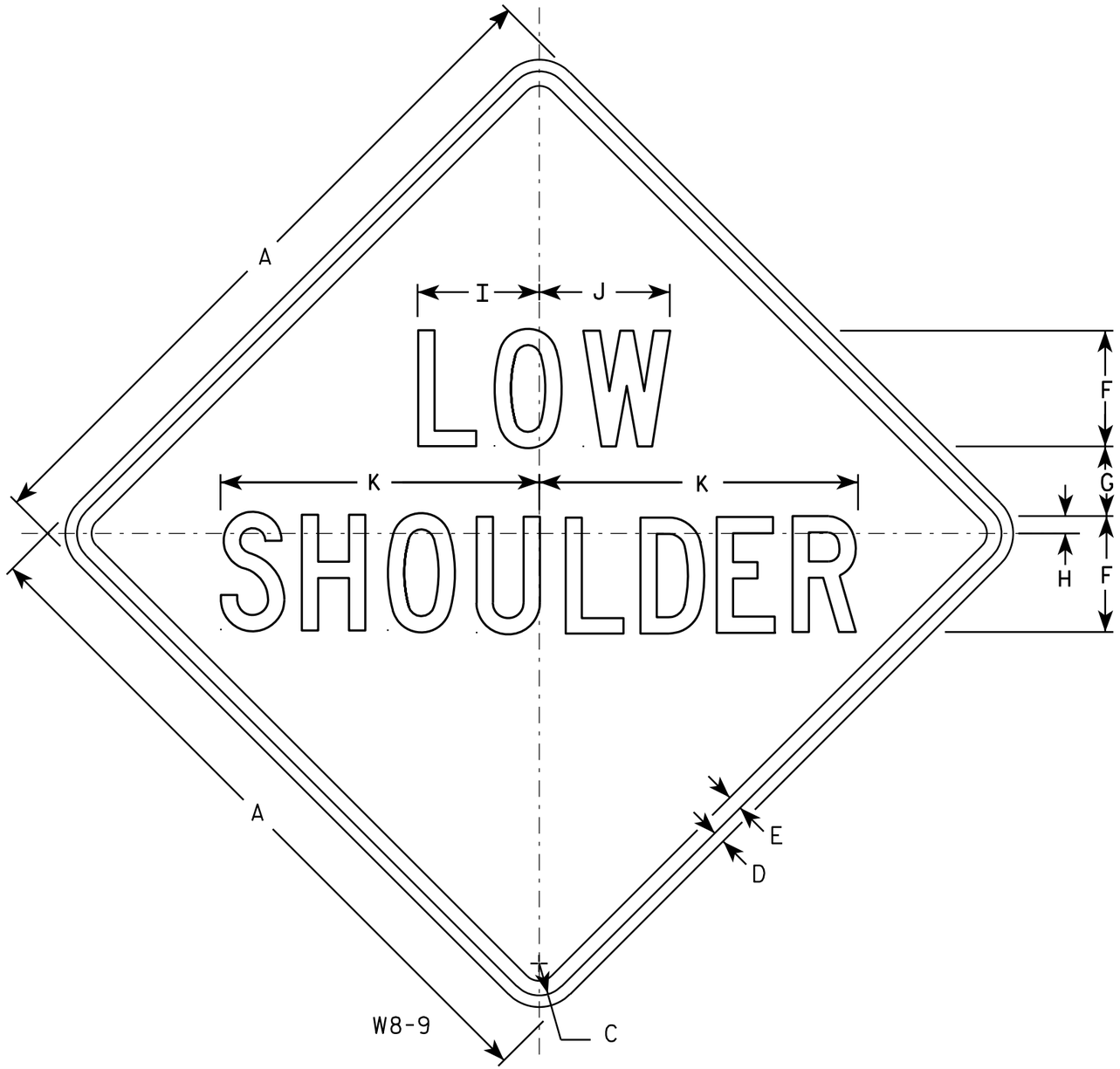
STANDARD SIGN
W8-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 03/14/13 PLATE NO. W8-5.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 398	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - 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		1 1/8	3/8	1/2	4	2 1/2	1/2	4 1/8	4 1/2	11																4.0
2S	36		1 5/8	5/8	3/4	6	3 1/2	1	6 1/4	6 3/4	16 1/2																9.0
2M	36		1 5/8	5/8	3/4	6	3 1/2	1	6 1/4	6 3/4	16 1/2																9.0
3	36		1 5/8	5/8	3/4	6	3 1/2	1	6 1/4	6 3/4	16 1/2																9.0
4	36		1 5/8	5/8	3/4	6	3 1/2	1	6 1/4	6 3/4	16 1/2																9.0
5	48		2 1/4	3/4	1	8	5	1 1/4	8 1/4	9	21 7/8																16.0

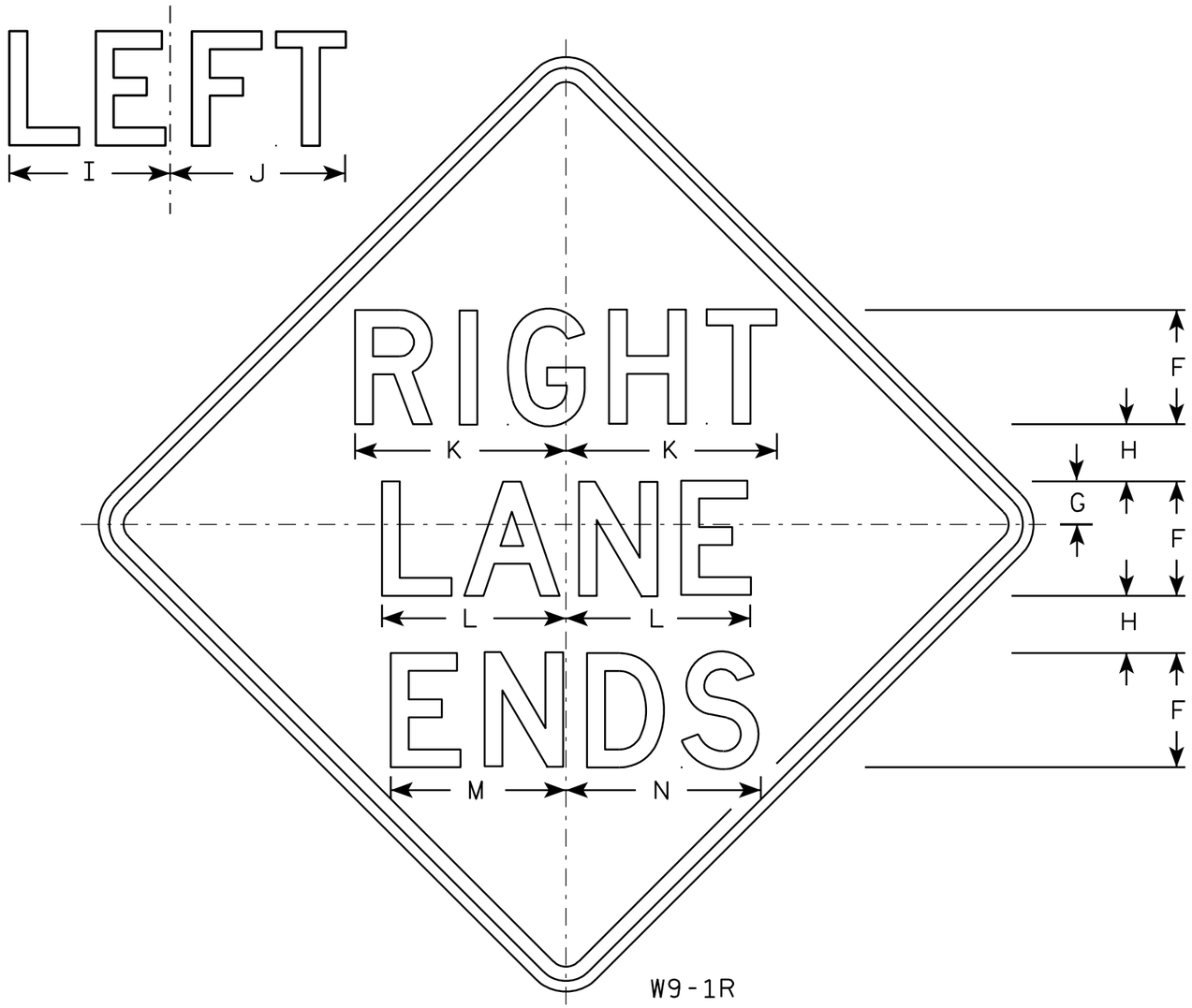
STANDARD SIGN
W8-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/14/13 PLATE NO. W8-9.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 399 | E



W9-1R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. W9-1L same as W9-1R except the word Left replaces Right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	1 1/2	2 1/2	7 1/8	7 5/8	9 1/4	8 1/8	7 5/8	8 5/8													6.25
2S	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
2M	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
3	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
4	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
5	48		2 1/4	3/4	1	8	3	4	11 1/4	12 1/4	14 3/4	12 7/8	12 1/4	13 5/8													16.0

STANDARD SIGN
W9-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

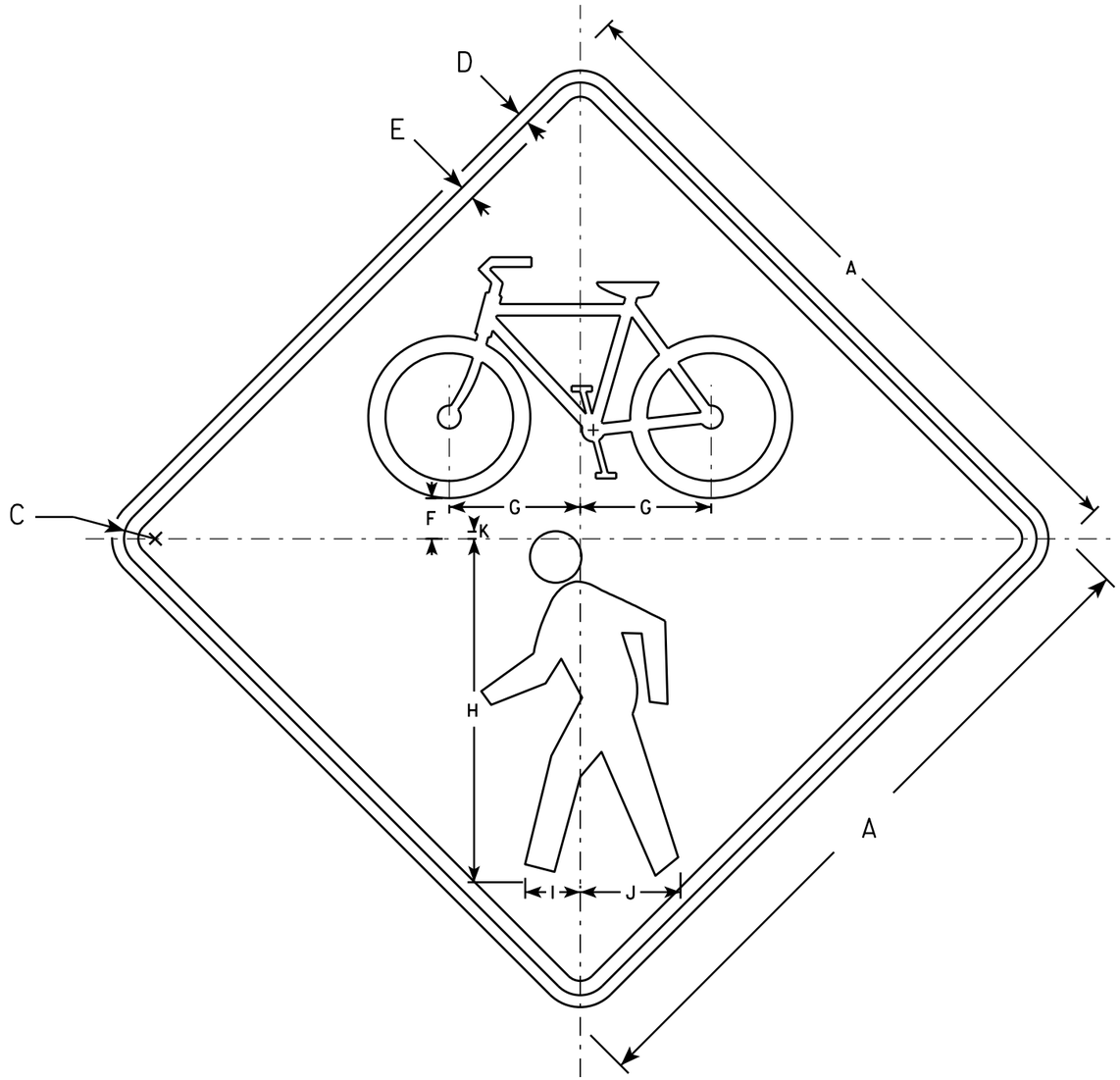
DATE 03/18/13 PLATE NO. W9-1.8

PROJECT NO:

SHEET NO: 400 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W91.DGN PLOT DATE : 18-MAR-2013 11:42 PLOT BY : mscsja

WISDOT/CADDS SHEET 42



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

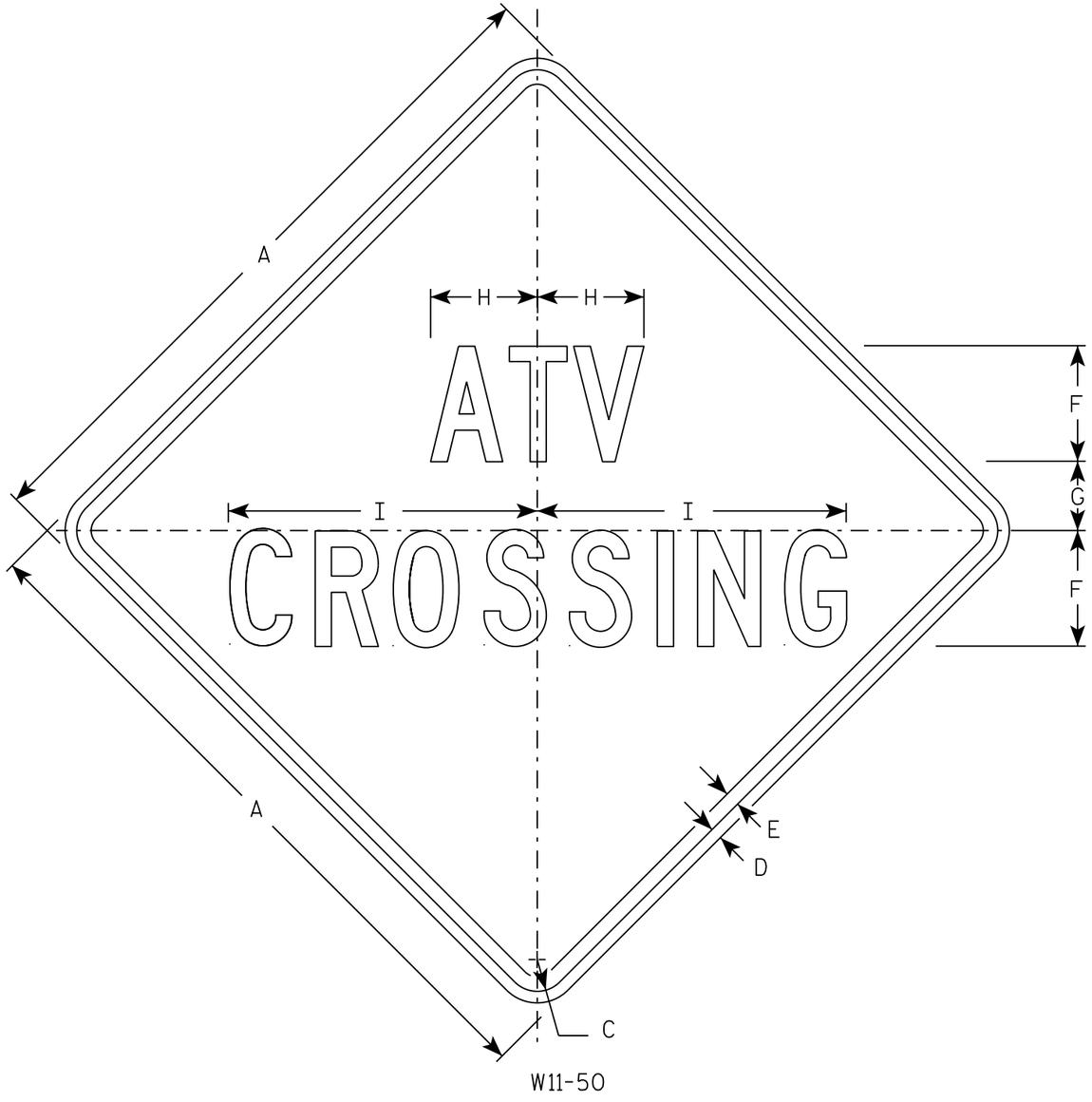
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/13/14 PLATE NO. 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



W11-50

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
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	24		1 1/8	3/8	1/2	4	2 3/8	3 3/4	10 3/4																		4.0
2S	30		1 3/8	1/2	5/8	5	3	4 5/8	13 3/8																		6.25
2M	36		1 5/8	5/8	3/4	6	3 1/2	5 5/8	16																		9.0
3	36		1 5/8	5/8	3/4	6	3 1/2	5 5/8	16																		9.0
4	48		2 1/4	3/4	1	8	5	7 3/8	21 1/4																		16.0
5																											

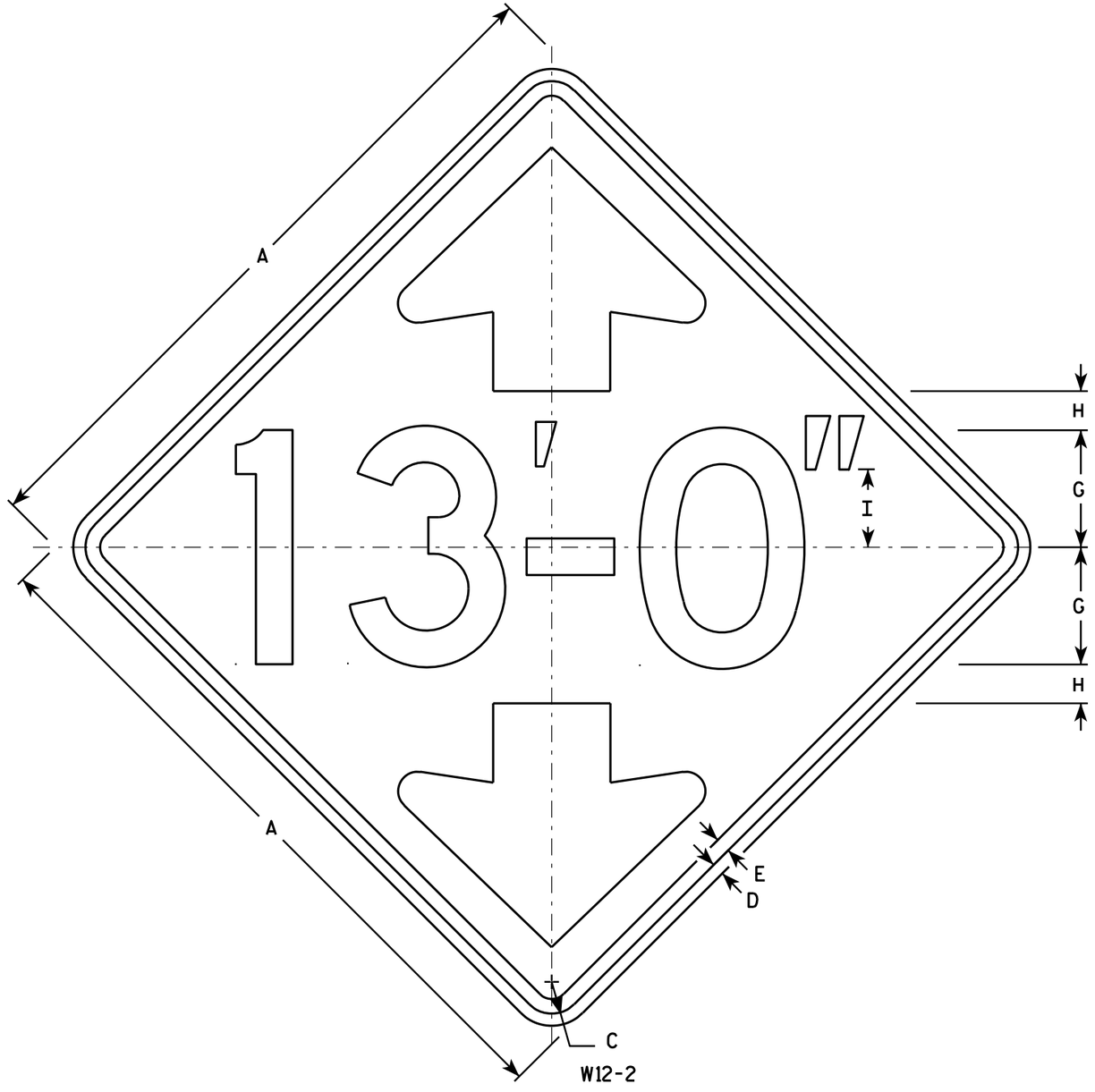
STANDARD SIGN
W11-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/1/16 PLATE NO. W11-50.4

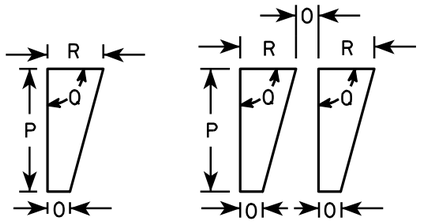
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 402 | E



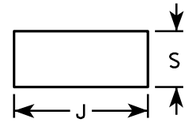
NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing of numerals, hyphen, foot & inch marks to achieve proper balance.

Arrow Detail



Foot Mark & Inch Mark Detail



Hyphen Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		5	1 5/8	3 3/8	3 3/4	6 5/8	5 3/4	3/4	2 1/2	1/2	2 1/4	90°	1	1 5/8								6.25
2S	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
2M	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
3	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
4	36		1 5/8	5/8	3/4		6	2	4	4 1/2	8	6 7/8	1	3	1/2	2 3/4	90°	1 1/4	1 7/8								9.00
5	48		2 1/4	3/4	1		8	2 5/8	5 1/2	5 7/8	10 5/8	9 1/4	1 3/8	4	5/8	3 5/8	90°	1 5/8	2 1/2								16.00

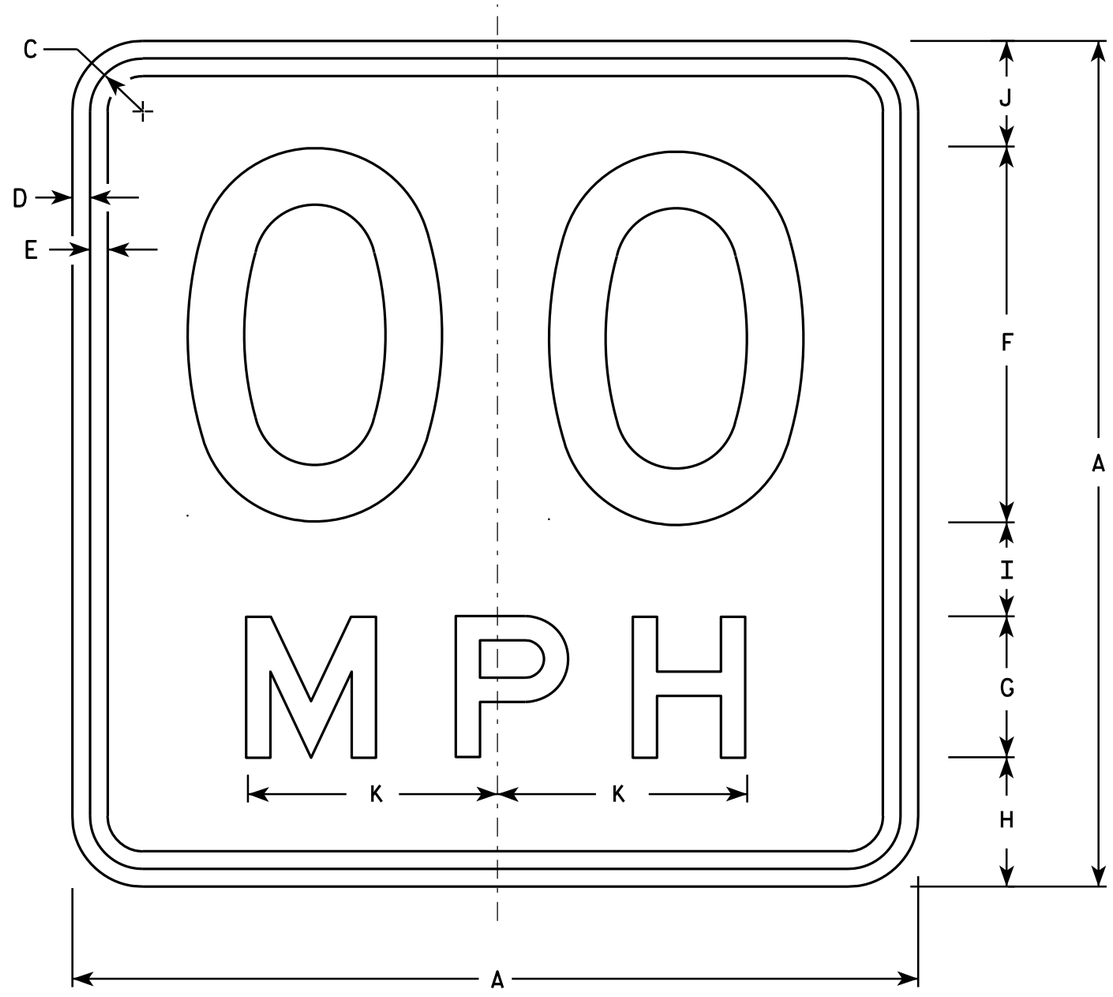
STANDARD SIGN
W12-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-2.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 403	E



W13-1

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

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

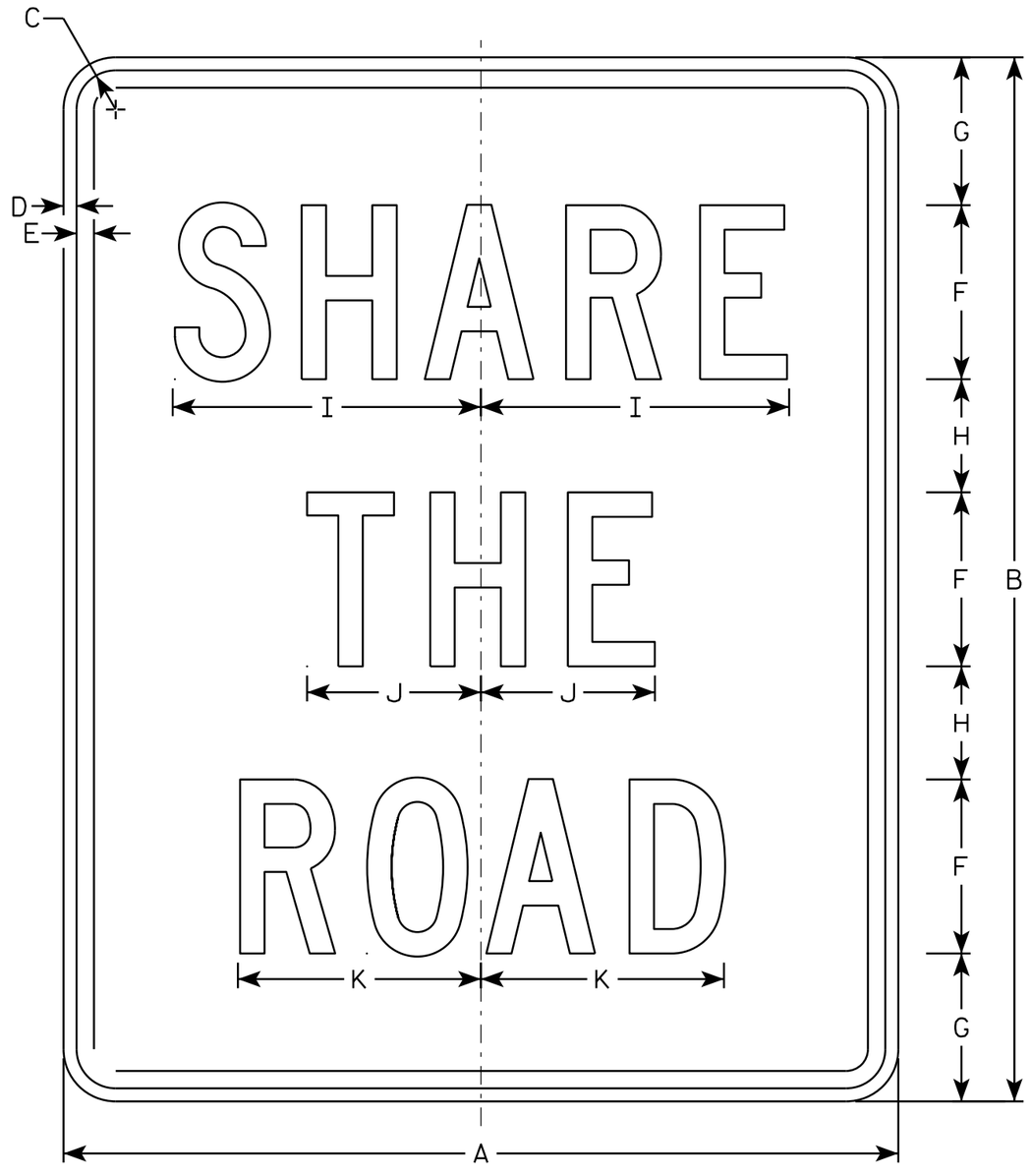
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 404 | E



NOTES

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

W16-1P

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	24	1 1/8	3/8	1/2	4	3 3/8	2 5/8	6 5/8	3 3/4	5 3/8																3.0
2M	18	24	1 1/8	3/8	1/2	4	3 3/8	2 5/8	6 5/8	3 3/4	5 3/8																3.0
3	24	30	1 1/8	3/8	1/2	5	4 1/4	3 1/4	8 7/8	5	7																5.0
4	24	30	1 1/8	3/8	1/2	5	4 1/4	3 1/4	8 7/8	5	7																5.0
5																											

STANDARD SIGN
W16-1P

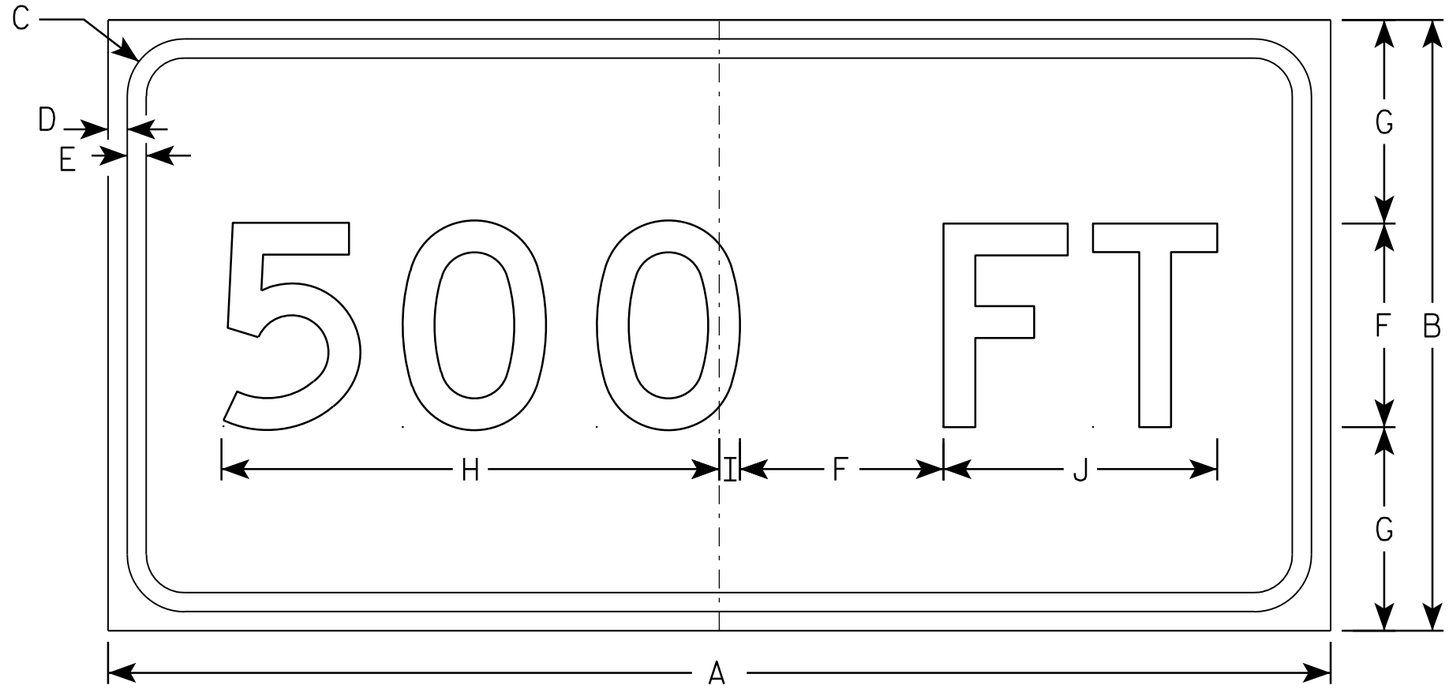
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/21/11 PLATE NO. W16-1P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W161P.DGN PLOT DATE : 27-JUL-2015 13:51 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 4.280853:1.000000
WISDOT/CADDS SHEET 42



W16-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	4	4	9 3/4	3/8	5 3/8																	2.0
2M	24	12	1 1/8	3/8	3/8	4	4	9 3/4	3/8	5 3/8																	2.0
3	30	18	1 1/8	3/8	1/2	5	5 1/2	12 1/4	1/2	6 3/4																	3.75
4	42	21	1 3/8	1/2	5/8	7	7	16 5/8	1 1/8	9 3/8																	6.13
5	42	21	1 3/8	1/2	5/8	7	7	16 5/8	1 1/8	9 3/8																	

STANDARD SIGN
W16-2A

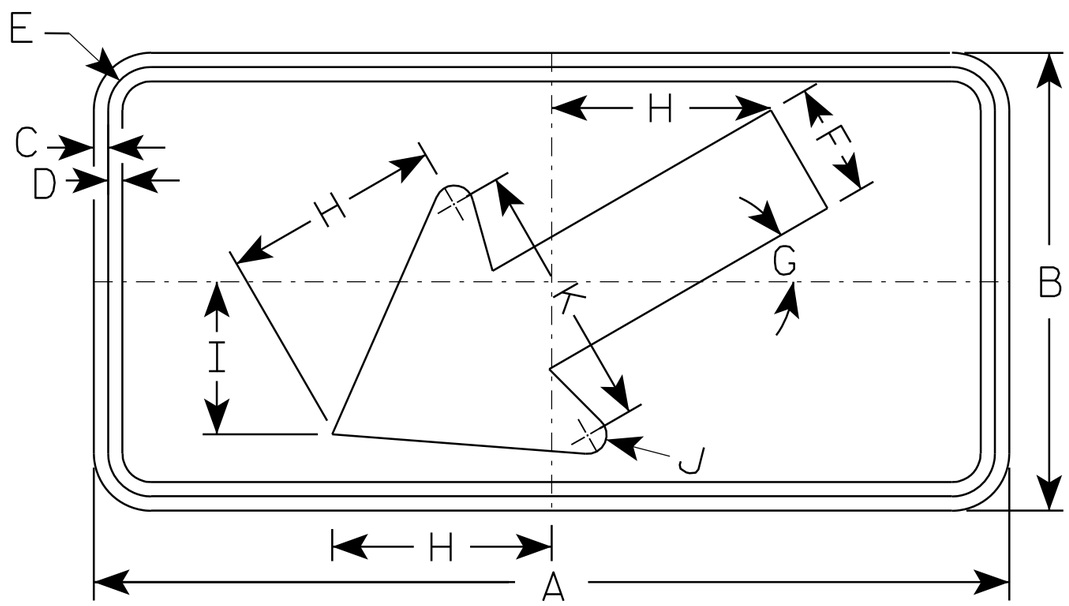
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/13/13 PLATE NO. W16-2A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 406 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W162A.DGN PLOT DATE : 13-JUN-2013 14:50 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 2.977140:1.000000
WISDOT/CADDS SHEET 42



W16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

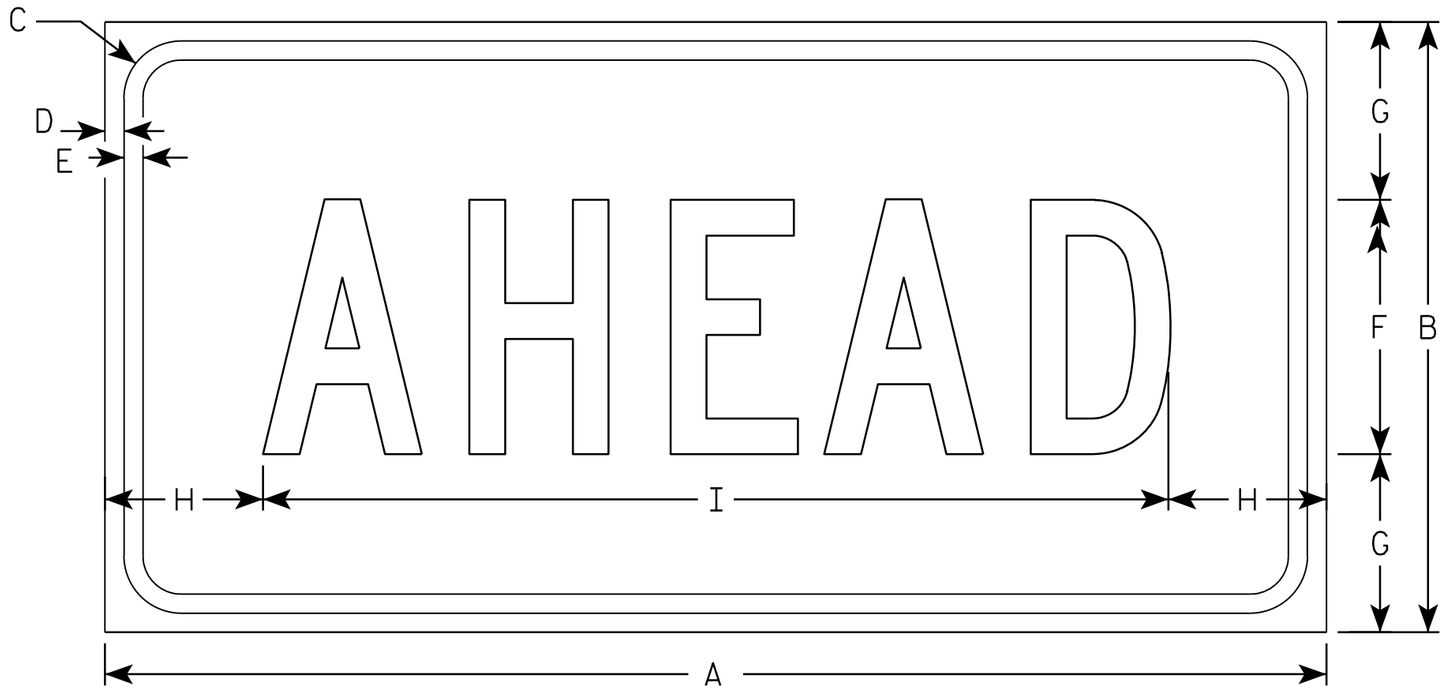
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 407	E



W16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

WISCONSIN DEPT OF TRANSPORTATION

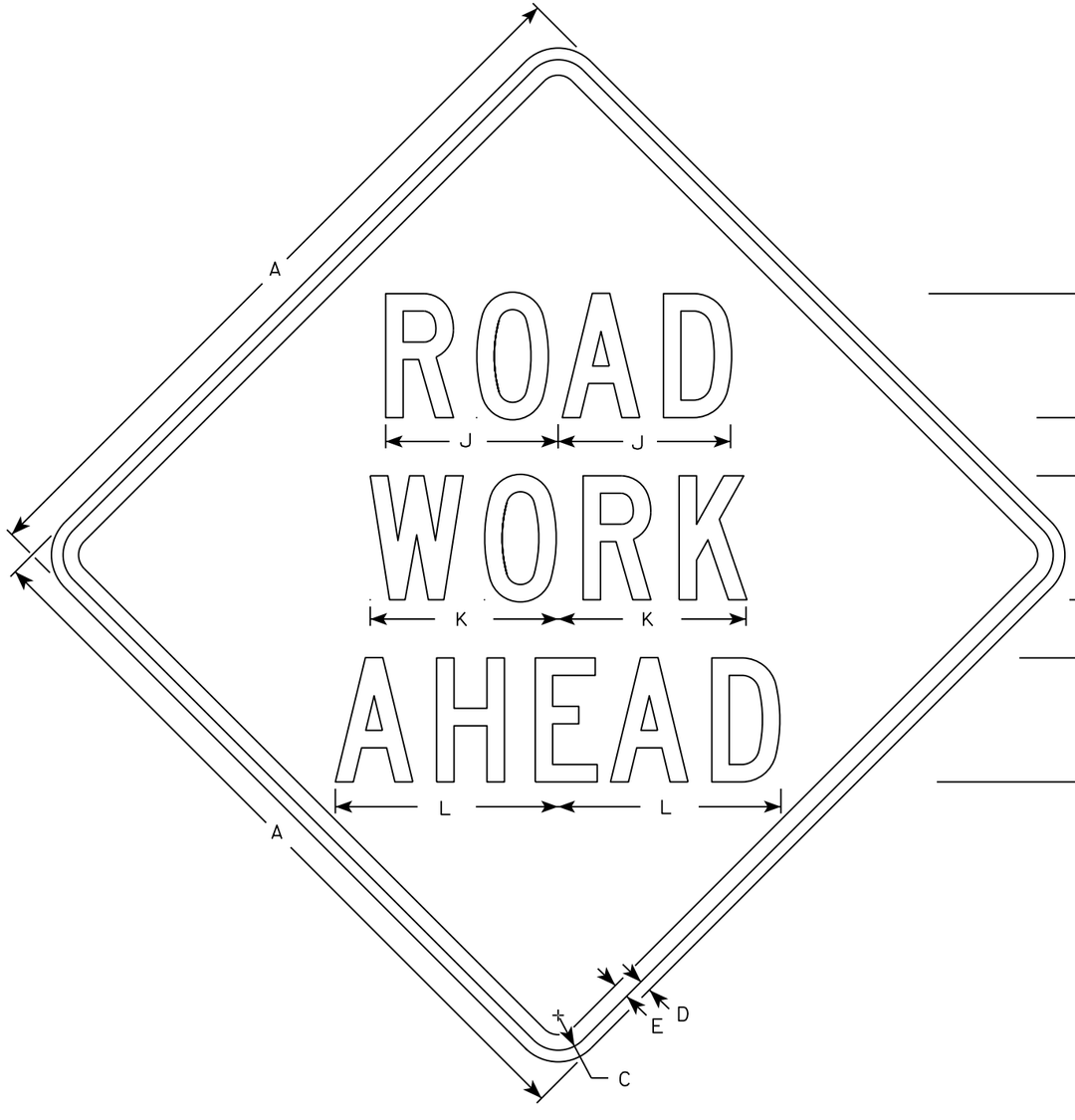
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/28/10 PLATE NO. W16-9P.6

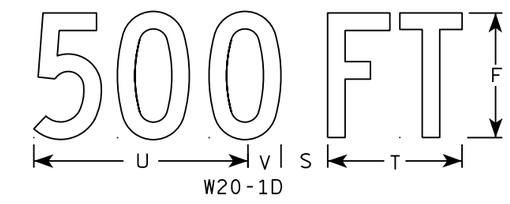
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 408 | E

7

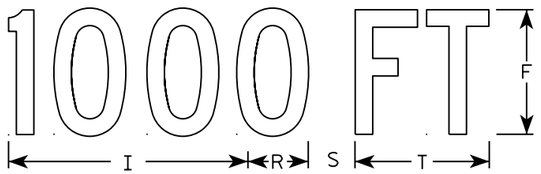
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W169P.DGN PLOT DATE : 28-DEC-2010 13:39 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 2.979524:1.000000



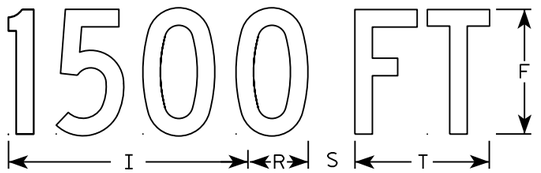
W20-1A



W20-1D

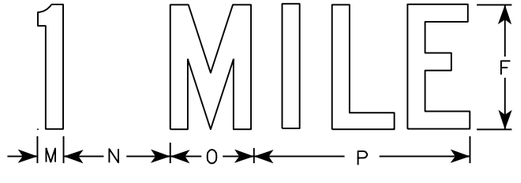


W20-1C

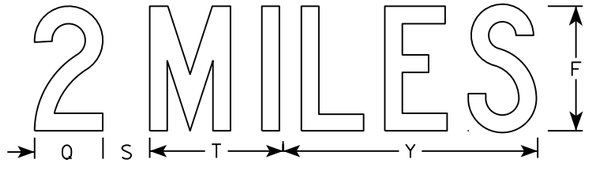


W20-1B

W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

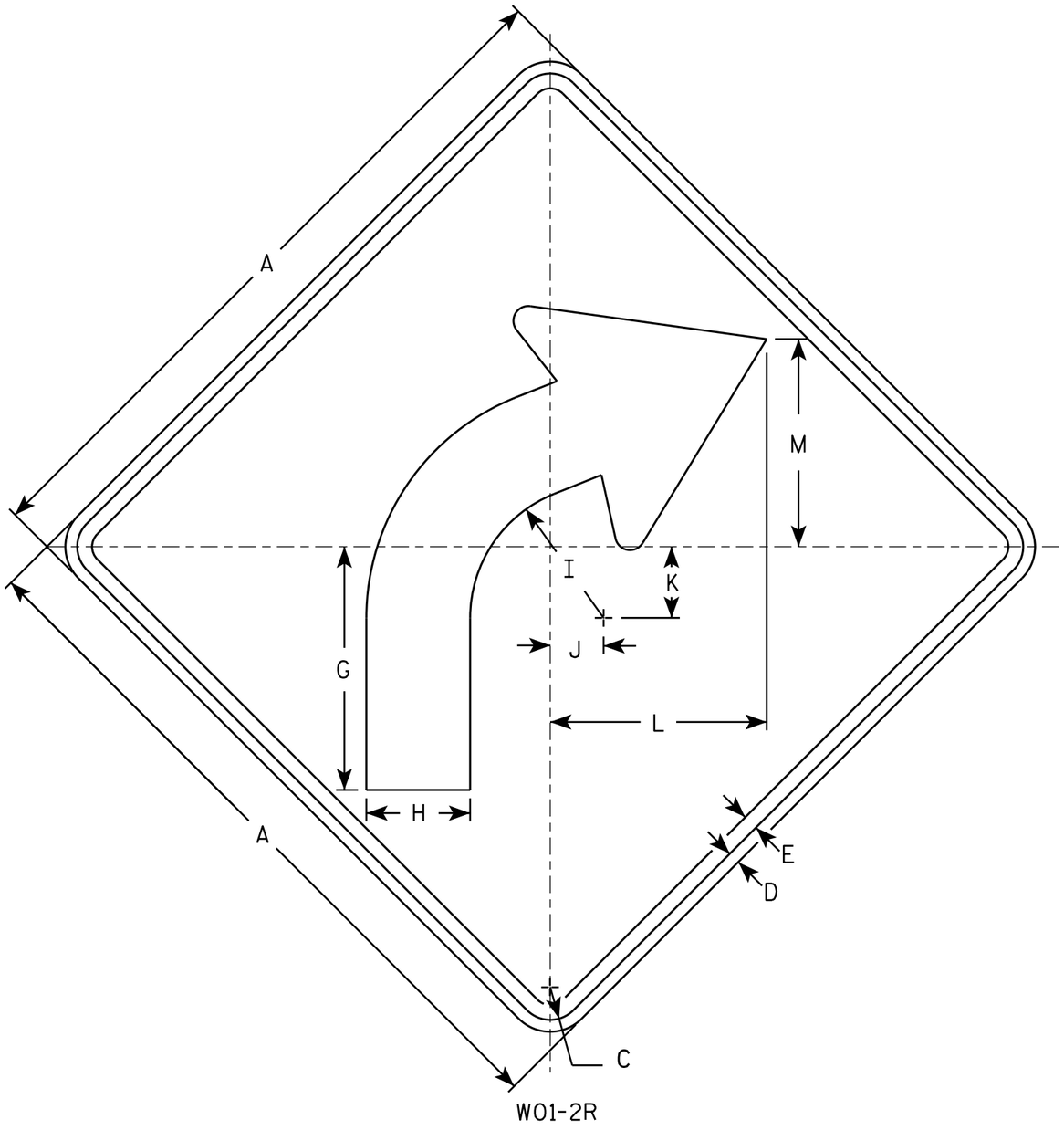
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

PROJECT NO:

SHEET NO: E

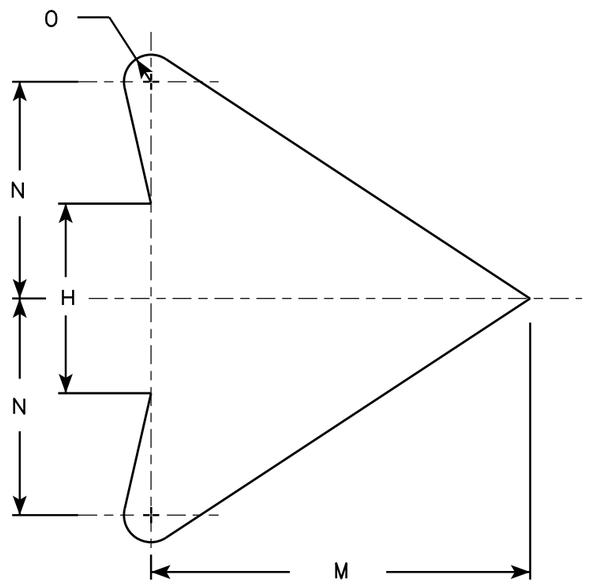
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



W01-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. 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. W01-2L is the same as W01-2R except the arrow is reversed along the vertical centerline.



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	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												4.0
2S	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
2M	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
3	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
4	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

STANDARD SIGN
W01-2

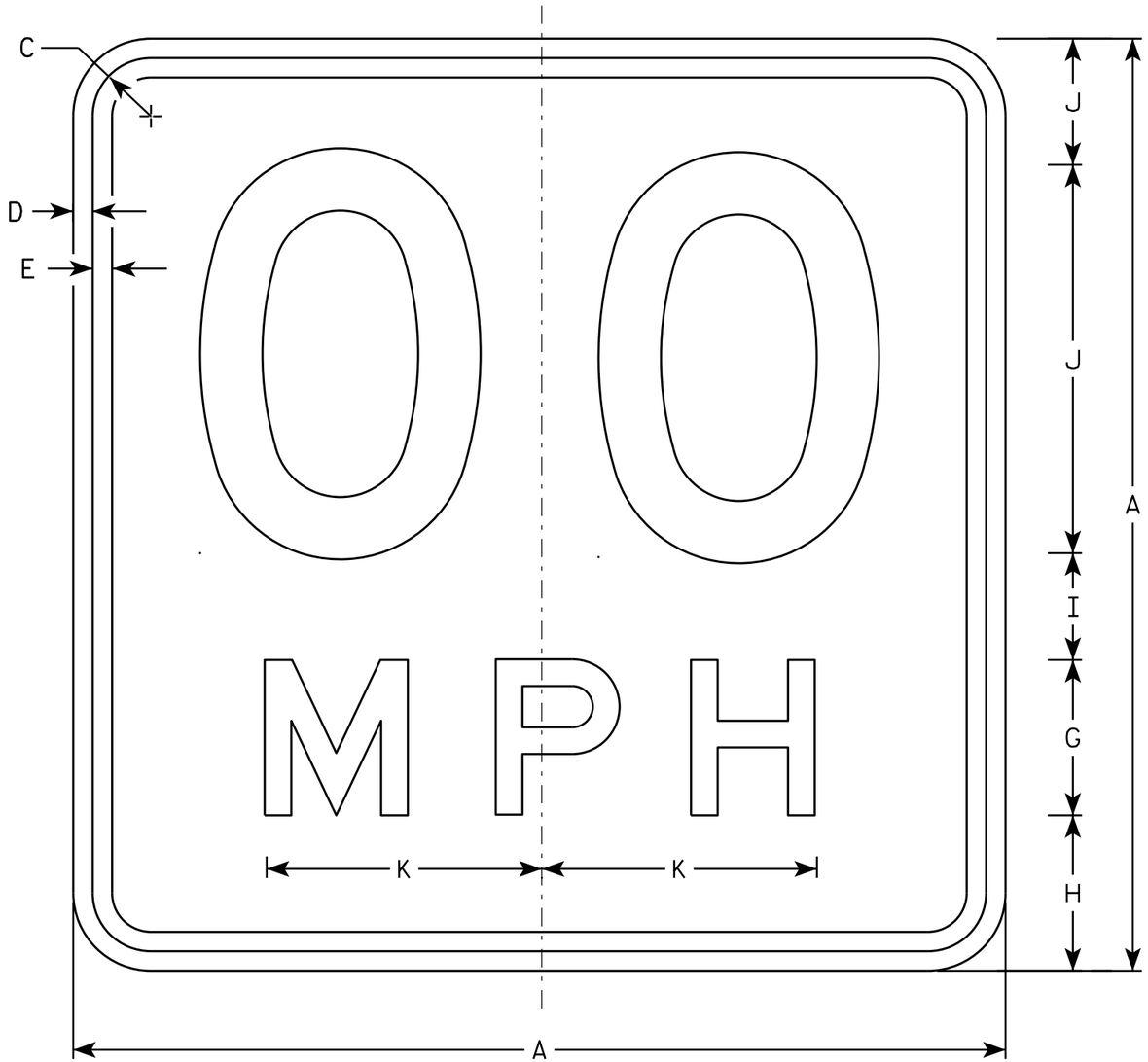
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-1.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W012.DGN PLOT DATE : 28-FEB-2014 11:34 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.992871:1.000000
WISDOT/CADDS SHEET 42



W013-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	7 1/8																4.00
2S	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
2M	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
3	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

STANDARD SIGN
W013-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/13 PLATE 411 W013-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W0131.DGN PLOT DATE : 02-DEC-2013 13:55 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.794391:1.000000
WISDOT/CADDS SHEET 42

Houlton School Circle							
STA	Length (ft)	Cut Area (sf)	Cut Yards (cy)	Fill Area (sf)	Fill Yards (cy)	Expanded Fill Yards (1.25 Factor)	Mass Ordinate
500+53		11.83		6.37			
501+00	47	11.83	20.59	10.57	14.74	18.43	2.16
501+50	50	19.32	28.84	0	9.79	12.23	18.77
501+67	17	19.98	12.37	0	0.00	0.00	31.14
502+00	33	19.21	23.95	0	0.00	0.00	55.09
502+50	50	18.54	34.95	0	0.00	0.00	90.05
503+00	50	16.73	32.66	0	0.00	0.00	122.70
503+50	50	16.66	30.92	0	0.00	0.00	153.62
504+00	50	15.52	29.80	0	0.00	0.00	183.42
504+50	50	18.58	31.57	0	0.00	0.00	214.99
505+00	50	16.74	32.70	0	0.00	0.00	247.70
505+06	6	16.67	3.71	0	0.00	0.00	251.41
505+50	44	16.64	27.14	0	0.00	0.00	278.55
506+00	50	17	31.15	0	0.00	0.00	309.70
506+50	50	15.41	30.01	0	0.00	0.00	339.71
507+00	50	14.84	28.01	0	0.00	0.00	367.72
507+18	18	16.06	10.30	0	0.00	0.00	378.02
507+50	32	14.53	18.13	0	0.00	0.00	396.14
508+00	50	12.12	24.68	0.83	0.77	0.96	419.86
508+50	50	12.47	22.77	1.53	2.19	2.73	439.90
509+00	50	9.04	19.92	1.95	3.22	4.03	455.78
509+50	50	12.86	20.28	1.18	2.90	3.62	472.44
509+52	2	12.84	0.95	1.14	0.09	0.11	473.28
510+00	48	10.48	20.73	0	1.01	1.27	492.75
510+50	50	17.33	25.75	0.38	0.35	0.44	518.06
511+00	50	16.88	31.68	3	3.13	3.91	545.82
511+35	35	18.56	22.97	5.77	5.68	7.11	561.69
511+50	15	10.52	8.08	8.59	3.99	4.99	564.78
511+85	35	20.08	19.83	0	5.57	6.96	577.65
512+00	15	20.39	11.24	0	0.00	0.00	588.89
512+50	50	10.88	28.95	14.96	13.85	17.31	600.53
513+00	50	9.85	19.19	15.41	28.12	35.15	584.58
513+50	50	11.92	20.16	0	14.27	17.84	586.90
514+00	50	6.96	17.48	0	0.00	0.00	604.38
514+50	50	0	6.44	0	0.00	0.00	610.82
515+00	50	3.03	2.81	0	0.00	0.00	613.63
515+50	50	5.27	7.69	0	0.00	0.00	621.31
516+00	50	6.9	11.27	0	0.00	0.00	632.58
516+50	50	6.08	12.02	0	0.00	0.00	644.60
517+00	50	4.63	9.92	0	0.00	0.00	654.52
517+50	50	3.38	7.42	0	0.00	0.00	661.93
517+62	12	3.09	1.44	0	0.00	0.00	663.37
518+00	38	2.69	4.07	0	0.00	0.00	667.44
518+50	50	2.54	4.84	0	0.00	0.00	672.28
519+00	50	4.88	6.87	0	0.00	0.00	679.15
519+34	34	4.07	5.64	0	0.00	0.00	684.79
TOTALS			821.87		109.67	137.08	684.79

CTH E					
STA	Length (ft)	Fill Area (sf)	Fill Yards (cy)	Expanded Fill Yards (1.25 Factor)	Mass Ordinate
1100+38					
1100+50	12	25.77	5.73	7.16	-7.16
1100+75	25	142.11	77.72	97.15	-104.31
1101+00	25	53.31	90.47	113.09	-217.40
1101+25	25	53.58	49.49	61.86	-279.26
1101+50	25	43.32	44.86	56.08	-335.34
1101+75	25	45.96	41.33	51.67	-387.00
1102+00	25	46.36	42.74	53.43	-440.43
1102+25	25	35.04	37.69	47.11	-487.53
1102+50	25	26.03	28.27	35.34	-522.88
1102+75	25	26.89	24.50	30.63	-553.50
1103+00	25	26.48	24.71	30.89	-584.39
1103+25	25	38.71	30.18	37.73	-622.11
1103+50	25	52.78	42.36	52.95	-675.06
1103+75	25	40.47	43.17	53.96	-729.02
1104+00	25	29	32.16	40.20	-769.22
1104+25	25	28.17	26.47	33.08	-802.31
1104+50	25	29.49	26.69	33.37	-835.68
1104+75	25	28.65	26.92	33.65	-869.32
1105+00	25	29.14	26.75	33.44	-902.77
1105+25	25	40	32.01	40.01	-942.78
1105+50	25	52.78	42.95	53.69	-996.47
1105+75	25	42.31	44.02	55.03	-1051.50
1106+00	25	32.11	34.45	43.07	-1094.57
1106+25	25	34.77	30.96	38.70	-1133.27
1106+50	25	35.58	32.57	40.71	-1173.98
1106+75	25	32.71	31.62	39.52	-1213.50
1107+00	25	21.49	25.09	31.37	-1244.87
1107+25	25	9.15	14.19	17.73	-1262.60
1107+50	25	0	4.24	5.30	-1267.89
TOTALS			1014.31	1267.89	-1267.89

Hilltop Drive							
STA	Length (ft)	Cut Area (sf)	Cut Yards (cy)	Fill Area (sf)	Fill Yards (cy)	Expanded Fill Yards (1.25 Factor)	Mass Ordinate
1201+00		34.88					
1201+50	50	38	67.48	17.35	16.06	20.08	47.40
1202+00	50	9.69	44.16	58.97	70.67	88.33	3.22
1202+14	14	4.32	3.63	70.52	33.57	41.96	-35.11
1202+50	36	0	2.88	107.6	118.75	148.43	-180.66
1203+00	50	9.58	8.87	40.1	136.76	170.95	-342.74
1203+50	50	21.08	28.39	129.74	157.26	196.57	-510.92
1203+83	33	21.47	26.00	121.22	153.36	191.71	-676.63
1204+00	17	18.84	12.69	105.08	71.24	89.05	-752.99
1204+50	50	86.95	97.95	48.72	142.41	178.01	-833.05
1205+00	50	95.08	168.55	0	45.11	56.39	-720.89
1205+50	50	103.93	184.27	0	0.00	0.00	-536.62
1206+00	50	97.56	186.56	0	0.00	0.00	-350.06
1206+50	50	46.81	133.68	0	0.00	0.00	-216.38
1207+00	50	41.99	82.22	0	0.00	0.00	-134.16
1207+40	40	43.64	63.43	0	0.00	0.00	-70.73
1207+50	10	44.85	16.39	0	0.00	0.00	-54.34
1207+60	10	54.95	18.48	0	0.00	0.00	-35.86
1207+70	10	61.47	21.56	0	0.00	0.00	-14.30
1208+00	30	69.66	72.85	0	0.00	0.00	58.55
1208+35	35	101.72	111.08	0	0.00	0.00	169.63
TOTALS			1351.12		945.19	1181.49	169.63

Main St							
STA	Length (ft)	Cut Area (sf)	Cut Yards (cy)	Fill Area (sf)	Fill Yards (cy)	Expanded Fill Yards (1.25 Factor)	Mass Ordinate
2016+25		31.6					
2016+50	25	29.63	28.35	0	0	0	28.35
2017+00	50	30.15	55.35	0	0	0	83.70
2017+50	50	27.65	53.52	0	0	0	137.22
2018+00	50	30.35	53.70	0	0	0	190.92
2018+50	50	26.07	52.24	0	0	0	243.16
2019+00	50	31.43	53.24	0	0	0	296.40
2019+50	50	27.16	54.25	0	0	0	350.65
2020+00	50	28.16	51.22	0	0	0	401.88
2020+50	50	33.62	57.20	0	0	0	459.08
2021+00	50	32.01	60.77	0	0	0	519.85
2021+50	50	30.78	58.14	0	0	0	577.99
2022+00	50	29.71	56.01	0	0	0	634.00
2022+50	50	27.79	53.24	0	0	0	687.24
2023+00	50	26.94	50.68	0	0	0	737.91
2024+00	100	32.62	110.30	0	0	0	848.21
2024+50	50	32.06	59.89	0	0	0	908.10
TOTALS			908.10		0.00		908.10

Main St							
STA	Length (ft)	Cut Area (sf)	Cut Yards (cy)	Fill Area (sf)	Fill Yards (cy)	Expanded Fill Yards (1.25 Factor)	Mass Ordinate
2027+45		109.26		2.17			
2027+50	5	101.91	19.55	1.86	0.37	0.47	19.09
2028+00	50	108.23	194.57	0	1.72	2.15	211.51
2028+50	50	85.94	179.79	0	0.00	0.00	391.29
2029+00	50	89.75	162.68	0	0.00	0.00	553.97
2029+50	50	107.85	182.96	51.95	48.10	60.13	676.81
2030+00	50	116.87	208.07	76.49	118.93	148.66	736.22
2030+50	50	95.67	196.80	68.58	134.32	167.91	765.11
2031+00	50	74	157.10	53.59	113.12	141.40	780.82
2031+50	50	40.01	105.56	31.47	78.76	98.45	787.93
2032+00	50	17.67	53.41	17.84	45.66	57.07	784.27
2032+50	50	15.76	30.95	0	16.52	20.65	794.57
2033+00	50	17.28	30.59	0	0.00	0.00	825.17
2033+50	50	49.03	61.40	0	0.00	0.00	886.56
2034+00	50	56.16	97.40	0	0.00	0.00	983.96
2034+50	50	93.57	138.64	0	0.00	0.00	1122.60
			1819.48		557.50		1122.60

Bike-PED Path							
STA	Length (ft)	Cut Area (sf)	Cut Yards (cy)	Fill Area (sf)	Fill Yards (cy)	Expanded Fill Yards (1.25 Factor)	Mass Ordinate
1050+01		18.21					
1050+05	4	13.01	2.31	3.73	0.28	0.35	1.97
1050+10	5	0.81	1.28	8.84	1.16	1.45	1.79
1050+20	10	2.13	0.54	8.93	3.29	4.11	-1.78
1050+30	10	5.08	1.34	4.61	2.51	3.13	-3.58
1050+40	10	10.6	2.90	3.08	1.42	1.78	-2.45
1050+50	10	17.06	5.12	1.57	0.86	1.08	1.59
1051+00	50	37.11	50.16	0	1.45	1.82	49.93
1051+50	50	31.48	63.51	0	0.00	0.00	113.44
1052+00	50	45.62	71.39	0	0.00	0.00	184.83
1052+50	50	43.1	82.15	0	0.00	0.00	266.98
1053+00	50	37.44	74.57	0	0.00	0.00	341.55
1053+50	50	26.44	59.15	0	0.00	0.00	400.70
1054+00	50	26.48	49.00	0	0.00	0.00	449.70
1054+15	15	26.26	14.65	0	0.00	0.00	464.35
1054+50	35	20	29.98	0	0.00	0.00	494.34
1055+00	50	19.14	36.24	0	0.00	0.00	530.58
1055+50	50	20.92	37.09	0	0.00	0.00	567.67
1056+00	50	15.7	33.91	0	0.00	0.00	601.58
1056+24	24	19.92	15.83	0	0.00	0.00	617.41
1056+50	26	18.42	18.46	1.42	0.68	0.85	635.01
1057+00	50	14.91	30.86	2.92	4.02	5.02	660.85
1057+50	50	14.3	27.05	3.92	6.33	7.92	679.98
1058+00	50	18.75	30.60	0	3.63	4.54	706.05
1058+25	25	25.04	20.27	0	0.00	0.00	726.32
1058+50	25	29.88	25.43	0	0.00	0.00	751.74
1059+00	50	16.95	43.36	2.08	1.93	2.41	792.70
1059+25	25	13.8	14.24	21.97	11.13	13.92	793.02
1059+50	25	11.19	11.57	59.89	37.90	47.37	757.21
1059+75	25	19.33	14.13	20.32	37.13	46.42	724.92
1060+00	25	30.84	23.23	4.71	11.59	14.48	733.67
1060+15	15	38.48	19.26	3.24	2.21	2.76	750.16
1060+50	35	35.63	48.03	3.14	4.14	5.17	793.03
1061+00	50	31.33	62.00	4.7	7.26	9.07	845.95
1061+50	50	22.85	50.17	10.3	13.89	17.36	878.76
1062+00	50	14.19	34.30	15.39	23.79	29.73	883.32
1062+25	25	24.48	17.90	9.33	11.44	14.31	886.92
1062+50	25	22.66	21.82	10.18	9.03	11.29	897.45
1063+00	50	19.39	38.94	15.47	23.75	29.69	906.70
1063+50	50	14.98	31.82	15.59	28.76	35.95	902.57
1064+00	50	14.85	27.62	14.52	27.88	34.85	895.35
1064+17	17	26.12	12.90	13.37	8.78	10.98	897.27
1064+50	33	15.26	25.29	13.02	16.13	20.16	902.40
1064+75	25	8.79	11.13	19.18	14.91	18.63	894.90
1065+00	25	4.64	6.22	64.41	38.70	48.37	852.74
1065+25	25	13.12	8.22	99.88	76.06	95.08	765.89
1065+50	25	6.71	9.18	45.41	67.26	84.08	690.99
1066+00	50	5.56	11.36	15.77	56.65	70.81	631.54
1066+50	50	7.38	11.98	16.4	29.79	37.23	606.29
1067+00	50	7.12	13.43	21.39	34.99	43.74	575.97
			1351.89		620.73	775.91	575.97

Bike-PED Path							
STA	Length (ft)	Cut Area (sf)	Cut Yards (cy)	Fill Area (sf)	Fill Yards (cy)	Expanded Fill Yards (1.25 Factor)	Mass Ordinate
1067+35	35	12.3	12.59	20.32	27.03	33.79	554.77
1067+50	15	8.21	5.70	16.16	10.13	12.67	547.80
1068+00	50	12.15	18.85	13.72	27.67	34.58	532.07
1068+50	50	10.58	21.05	10.3	22.24	27.80	525.31
1069+00	50	11.26	20.22	8.59	17.49	21.86	523.67
1069+45	45	32.39	36.38	4.49	10.90	13.63	546.42
1069+50	5	35.25	6.26	3.88	0.78	0.97	551.72
1070+00	50	22.26	53.25	4.43	7.69	9.62	595.35
1070+50	50	24.55	43.34	3.84	7.66	9.57	629.12
1071+00	50	23.22	44.23	4.3	7.54	9.42	663.93
1071+50	50	37.94	56.63	1.82	5.67	7.08	713.48
1071+55	5	43.17	7.51	1.56	0.31	0.39	720.59
1072+00	45	40.65	69.85	1.6	2.63	3.29	787.15
1072+50	50	29.41	64.87	1.62	2.98	3.73	848.30
1073+00	50	30.19	55.19	2.79	4.08	5.10	898.38
1073+50	50	24.26	50.42	4.71	6.94	8.68	940.11
1073+65	15	38.72	17.49	2.09	1.89	2.36	955.25
1074+00	35	30.88	45.11	2.3	2.85	3.56	996.80
1074+50	50	36.19	62.10	1.92	3.91	4.88	1054.02
1075+00	50	34.13	65.11	2.33	3.94	4.92	1114.21
1075+50	50	30.47	59.81	3.22	5.14	6.42	1167.60
1076+00	50	23.95	50.39	4.13	6.81	8.51	1209.48
1076+50	50	36.68	56.14	2	5.68	7.09	1258.53
1077+00	50	40.93	71.86	0.94	2.72	3.40	1326.99
1077+50	50	42.42	77.18	0	0.87	1.09	1403.07
1078+00	50	41.17	77.40	0	0.00	0.00	1480.47
1078+50	50	40.55	75.67	0	0.00	0.00	1556.14
1079+00	50	38.02	72.75	0	0.00	0.00	1628.89
1079+37	37	15.99	37.01	6.52	4.47	5.58	1660.31
1079+50	13	9.13	6.05	9.91	3.96	4.94	1661.41
1079+75	25	47.9	26.40	18.44	13.13	16.41	1671.41
1080+00	25	28.78	35.50	44.62	29.19	36.49	1670.42
1080+50	50	0	26.65	25.89	65.29	81.61	1615.46
1080+95	45	26.55	22.13	23.23	40.93	51.17	1586.42
1081+00	5	37.46	5.93	22.83	4.26	5.33	1587.01
1081+25	25	36.27	34.13	32.26	25.50	31.88	1589.27
1081+38	13	44.57	19.46	42.85	18.08	22.60	1586.12
1081+50	12	68.13	25.04	36.35	17.60	22.00	1589.17
1081+80	30	93.68	89.89	25.37	34.29	42.86	1636.20
1082+00	20	63.58	58.24	6.66	11.86	14.83	1679.62
1082+50	50	12.04	70.02	0	6.17	7.71	1741.93
TOTALS			3105.68		470.27	587.84	1741.93

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9

PROJECT NO: 8110-02-73 | HWY: STH 64 | COUNTY: ST. CROIX | CROSS SECTIONS: EARTHWORK DETAILS | SHEET 414 | E

FILE NAME : S:\PDS\PROJECTS\8110-02-01 STILLWATER\EARTHWORK.DWG
LAYOUT NAME - ****

PLOT DATE : 1/16/2018 1:31 PM PLOT BY : BECKLIN, MATTHEW R PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

'A' HAWK ROAD SOUTH

STA	AREA (SF) CUT	AREA (SF) FILL	VOLUME (CY) CUT	VOLUME (CY) ① EXPANDED FILL	CUMULATIVE VOLUME (CY) 205.0100 COMMON EXCAVATION	CUMULATIVE VOLUME (CY) EXPANDED FILL	②MASS HAUL (CY)
12+06.00	--	9.9	--	13	--	13	-13
12+50.00	0.0	18.1	--	29	--	42	-42
13+00.00	0.0	18.1	--	42	--	84	-84
13+50.00	0.0	18.1	--	42	--	126	-126
14+00.00	0.0	18.1	--	42	--	168	-168
14+30.00	0.0	18.1	--	25	--	193	-193
14+50.00	--	18.1	--	17	--	210	-210

① EXPANDED THE FILL BY 25%

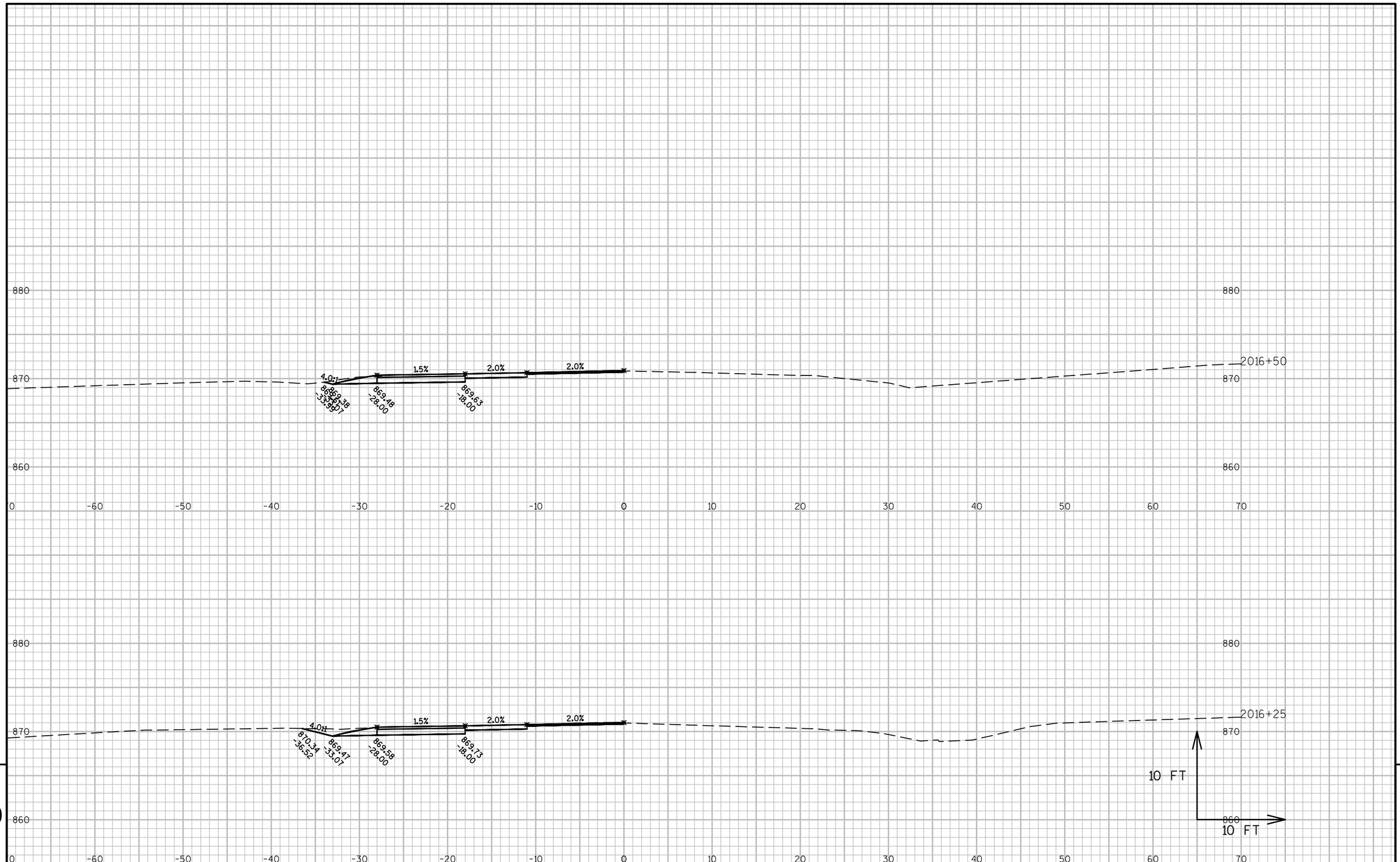
② COMMON EXCAVATION - EXPANDED FILL (+ DENOTES WASTE, - IS BORROW)

'C' PARK AND RIDE

STA	AREA (SF) CUT	AREA (SF) FILL	VOLUME (CY) CUT	VOLUME (CY) ① EXPANDED FILL	CUMULATIVE VOLUME (CY) 205.0100 COMMON EXCAVATION	CUMULATIVE VOLUME (CY) EXPANDED FILL	②MASS HAUL (CY)
50+71.32	2.8	0.1	--	--	--	--	--
51+00.00	0.4	0.1	--	--	--	--	--
51+20.39	1.5	4.5	1	2	1	2	-1
51+50.00	--	9.2	1	9	2	11	-9
51+63.23	--	9.2	--	6	2	17	-15
52+00.00	0.2	3.6	--	11	2	28	-26
52+50.00	0.1	3.6	--	8	2	36	-34
52+79.25	0.3	3.6	--	5	2	41	-39
52+90.00	0.4	1.8	--	1	2	42	-40

① EXPANDED THE FILL BY 25%

② COMMON EXCAVATION - EXPANDED FILL (+ DENOTES WASTE, - IS BORROW)



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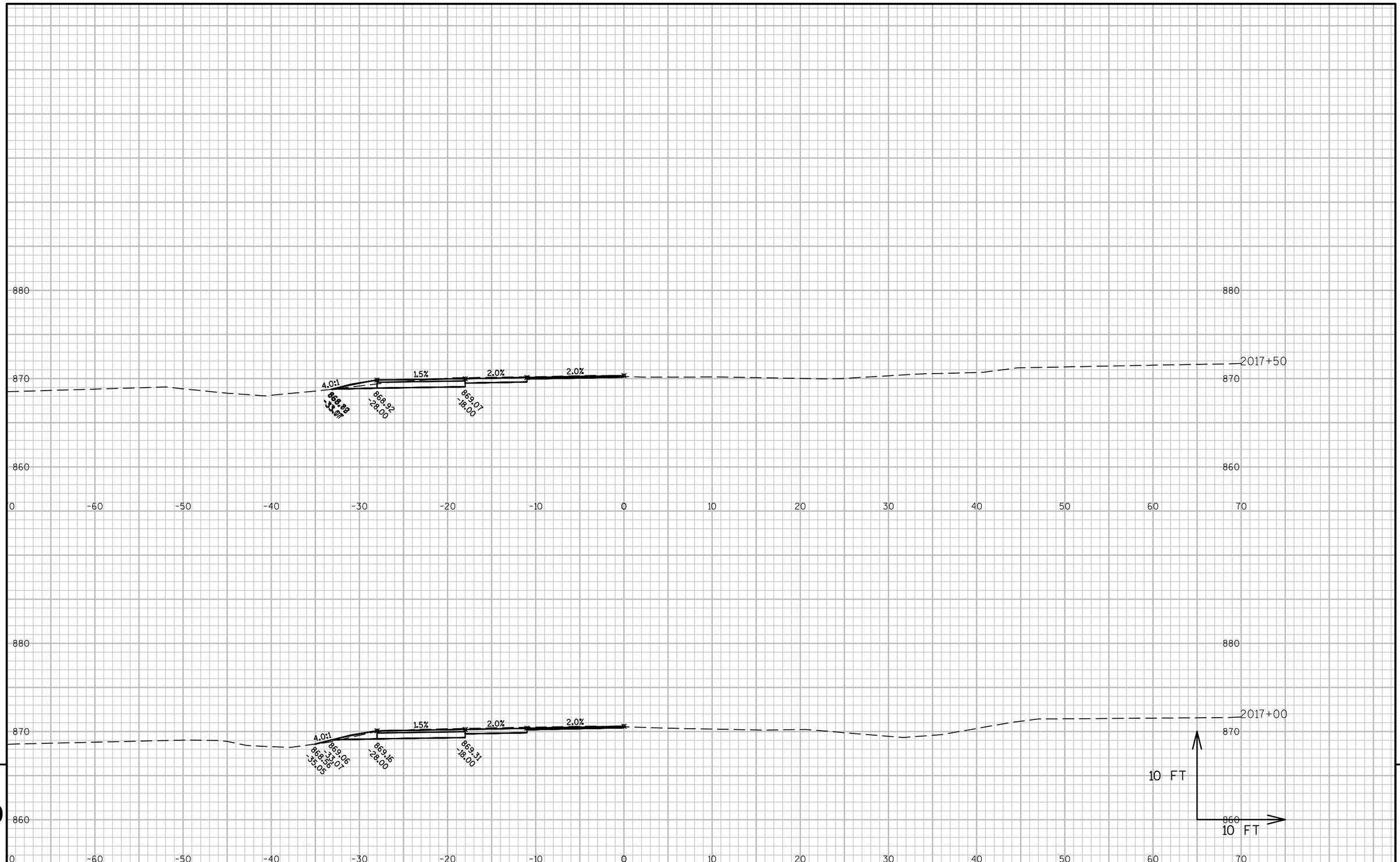
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 416	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(01)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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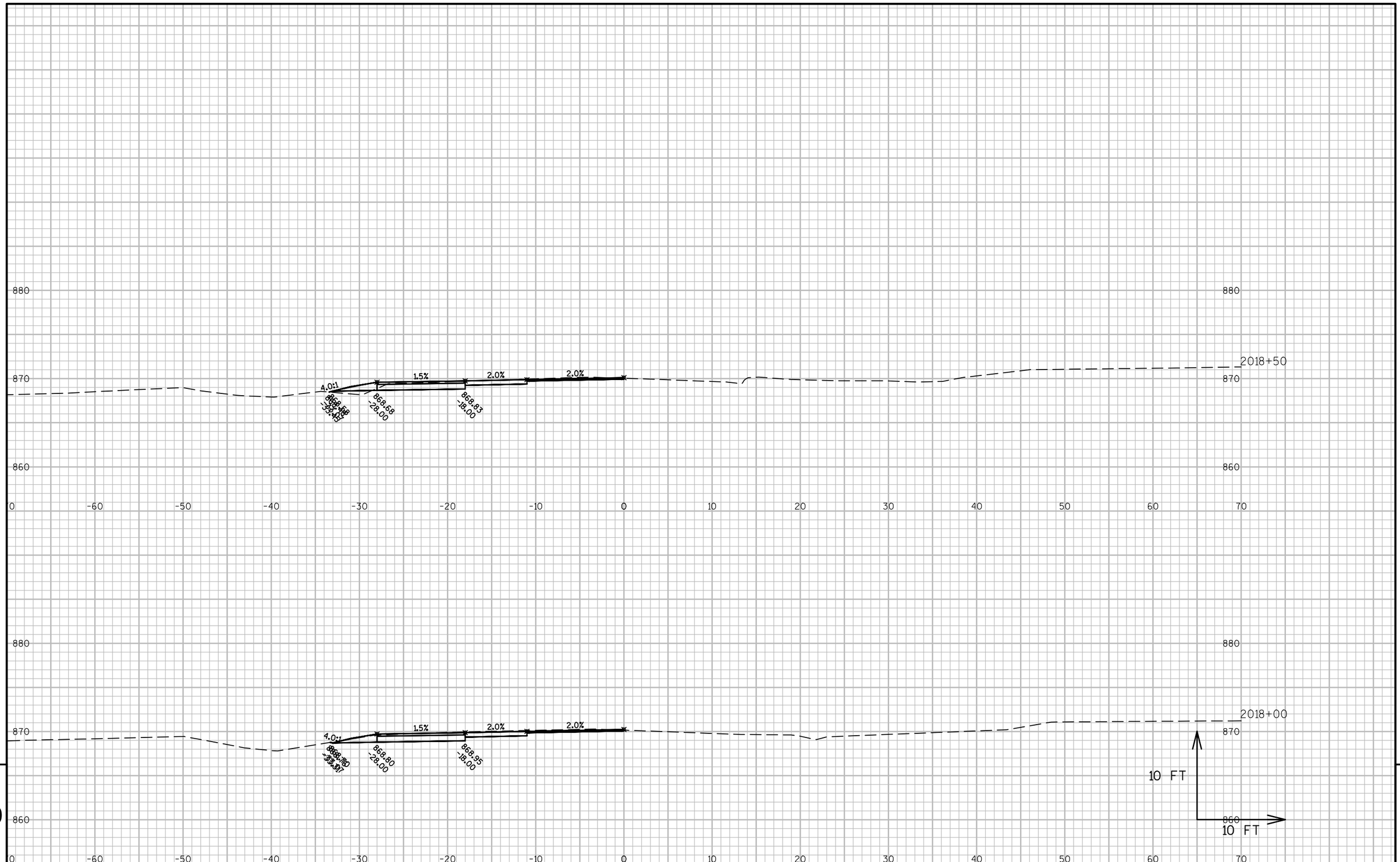
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 417	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(02)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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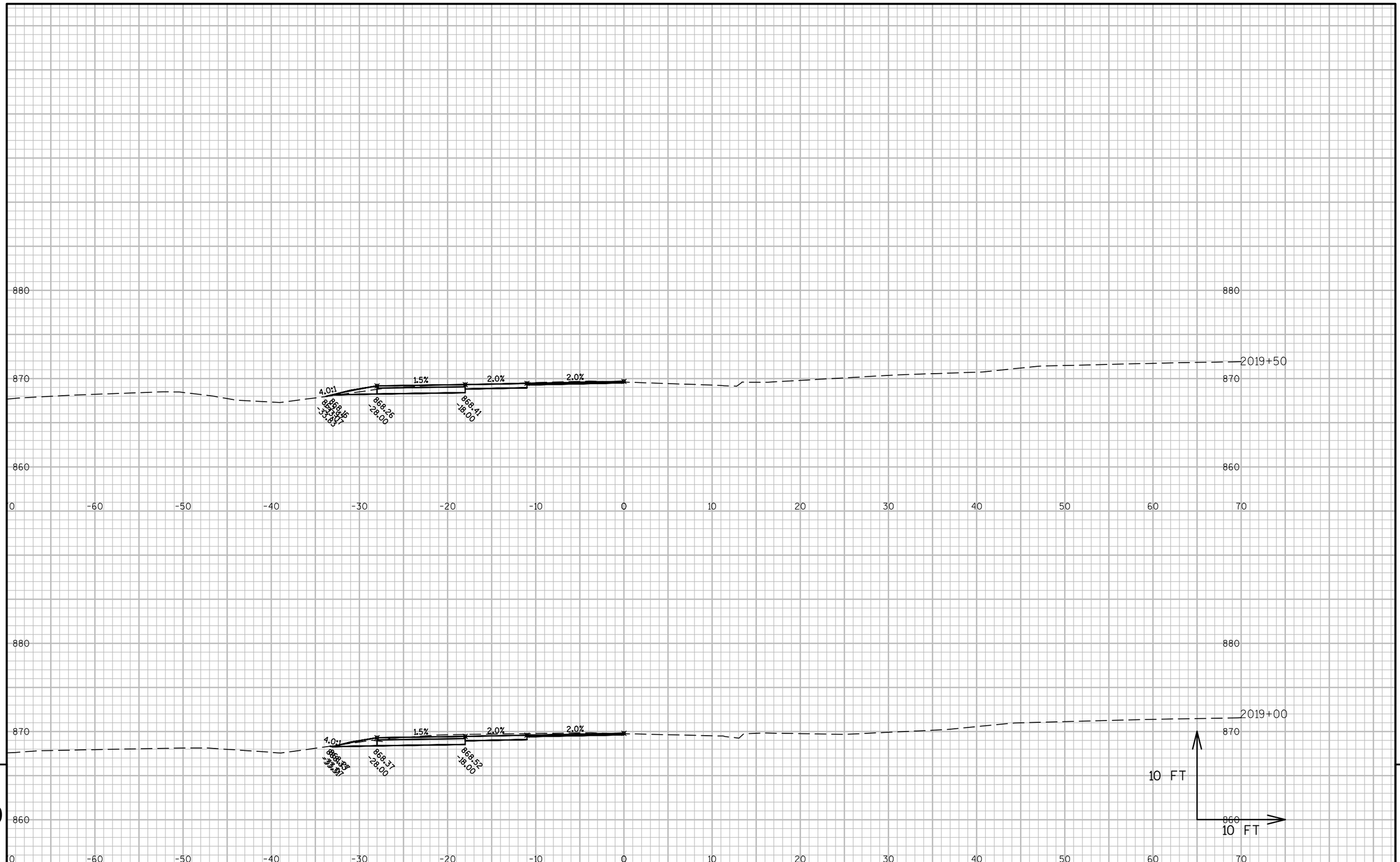
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 418	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(03)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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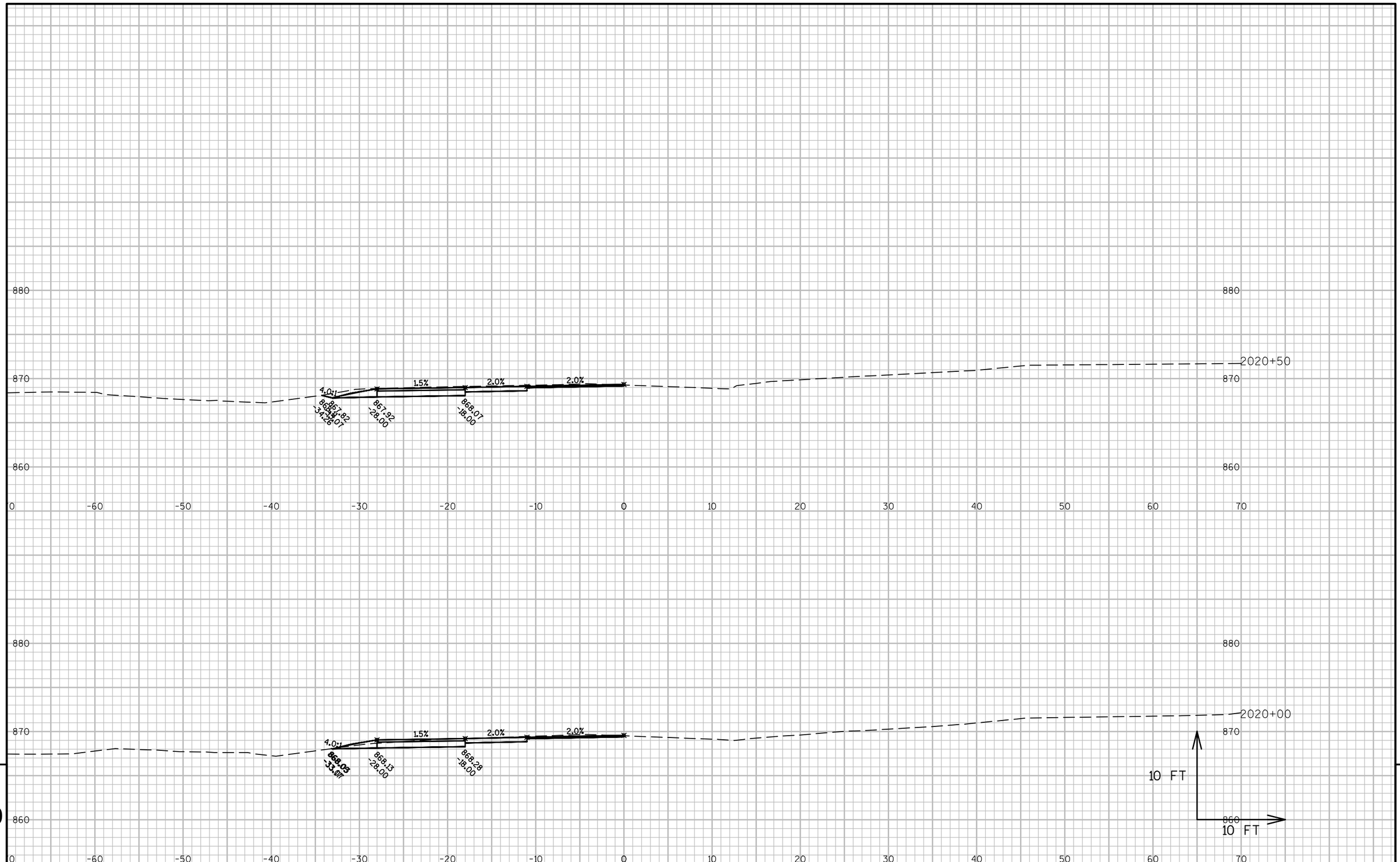
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 419	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(04)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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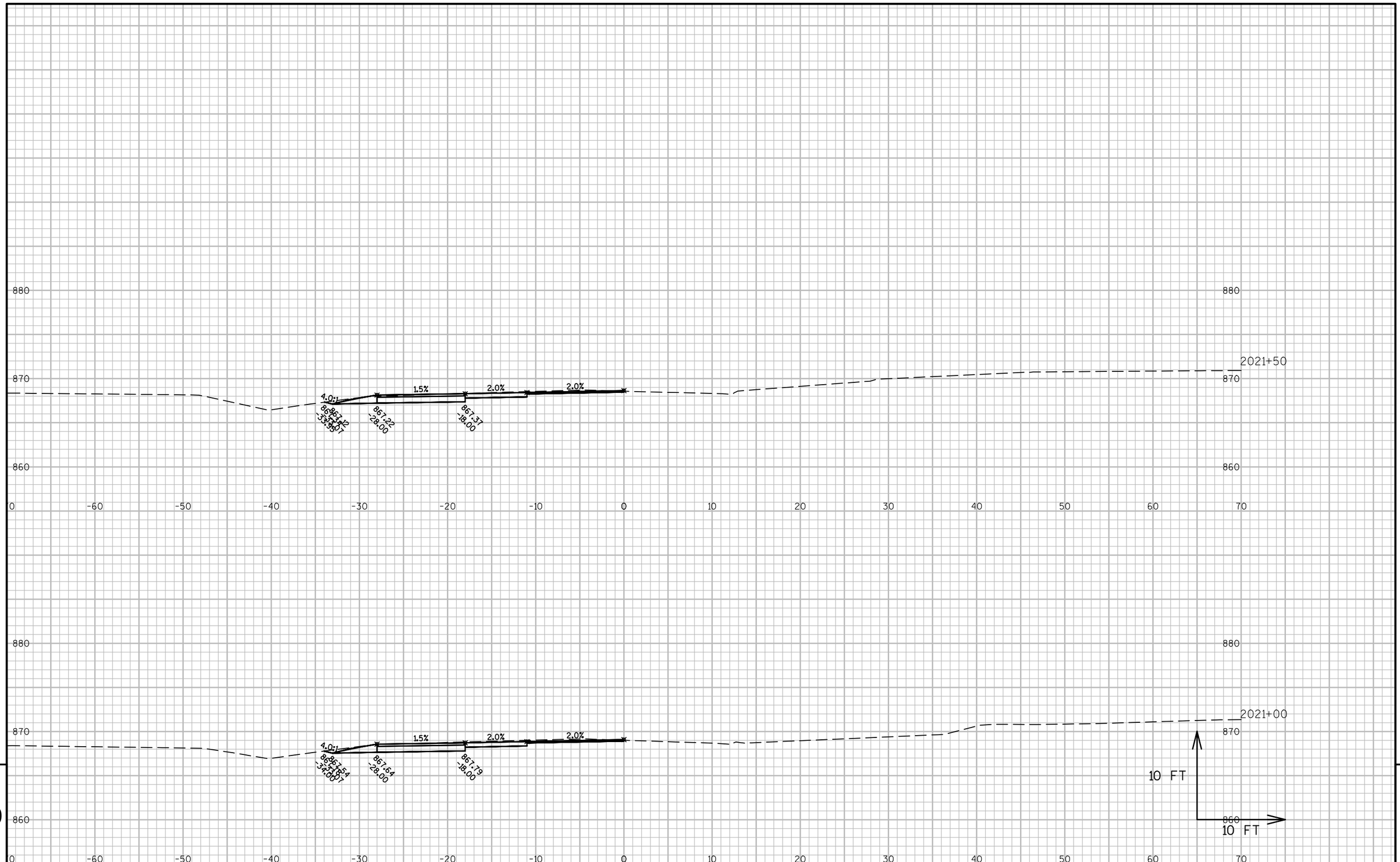
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 420	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(05)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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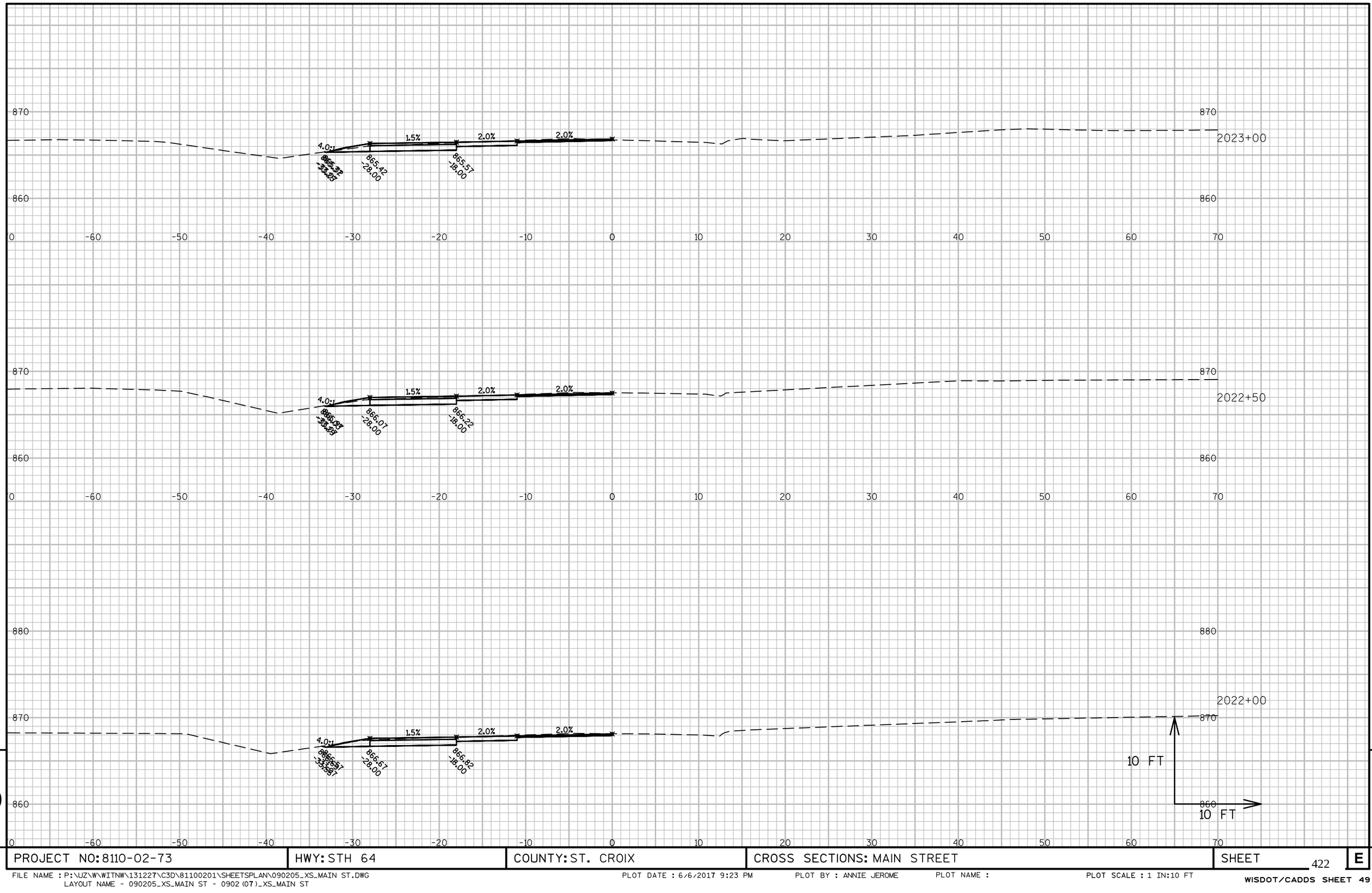
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 421	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(06)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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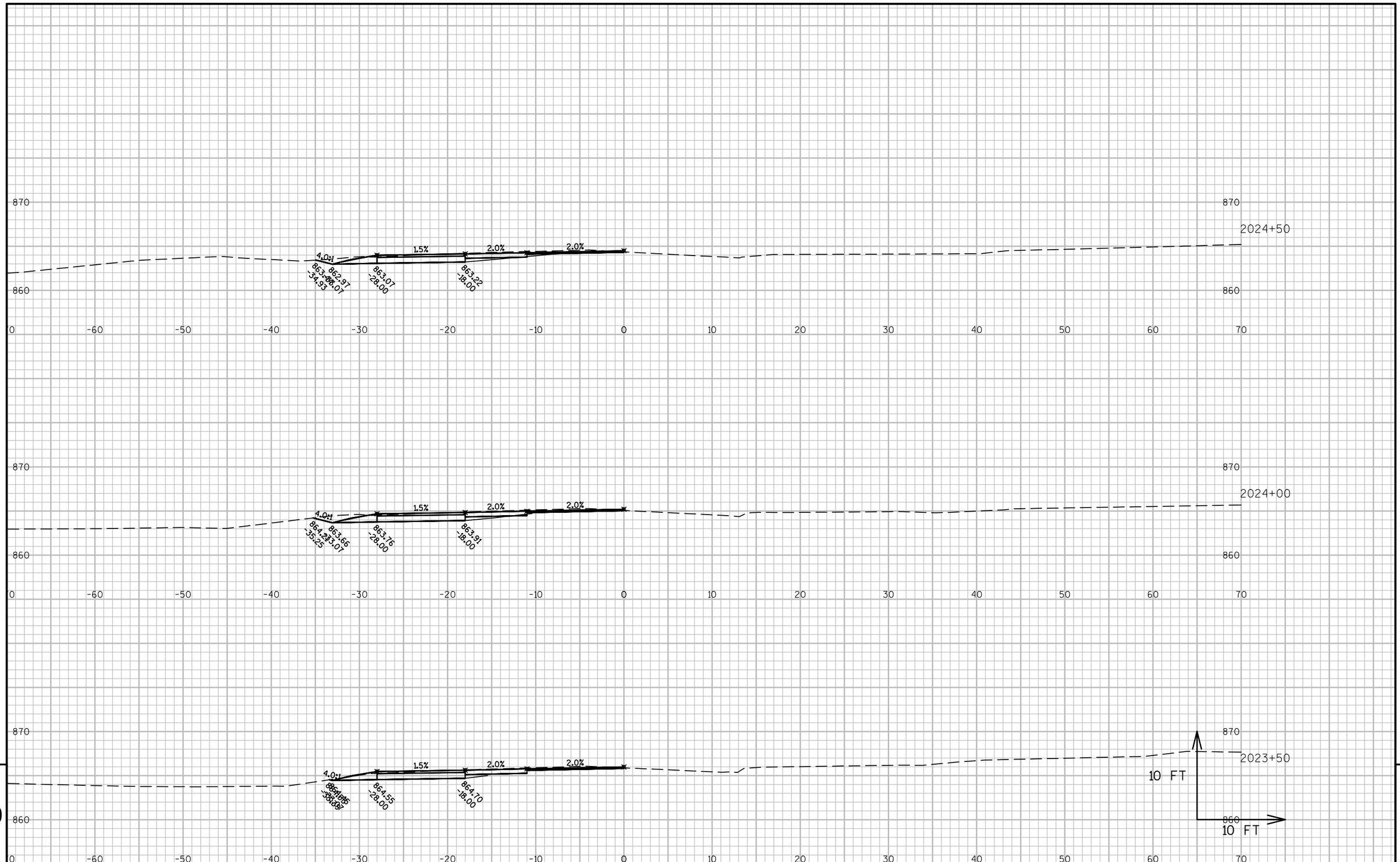
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 422	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(07)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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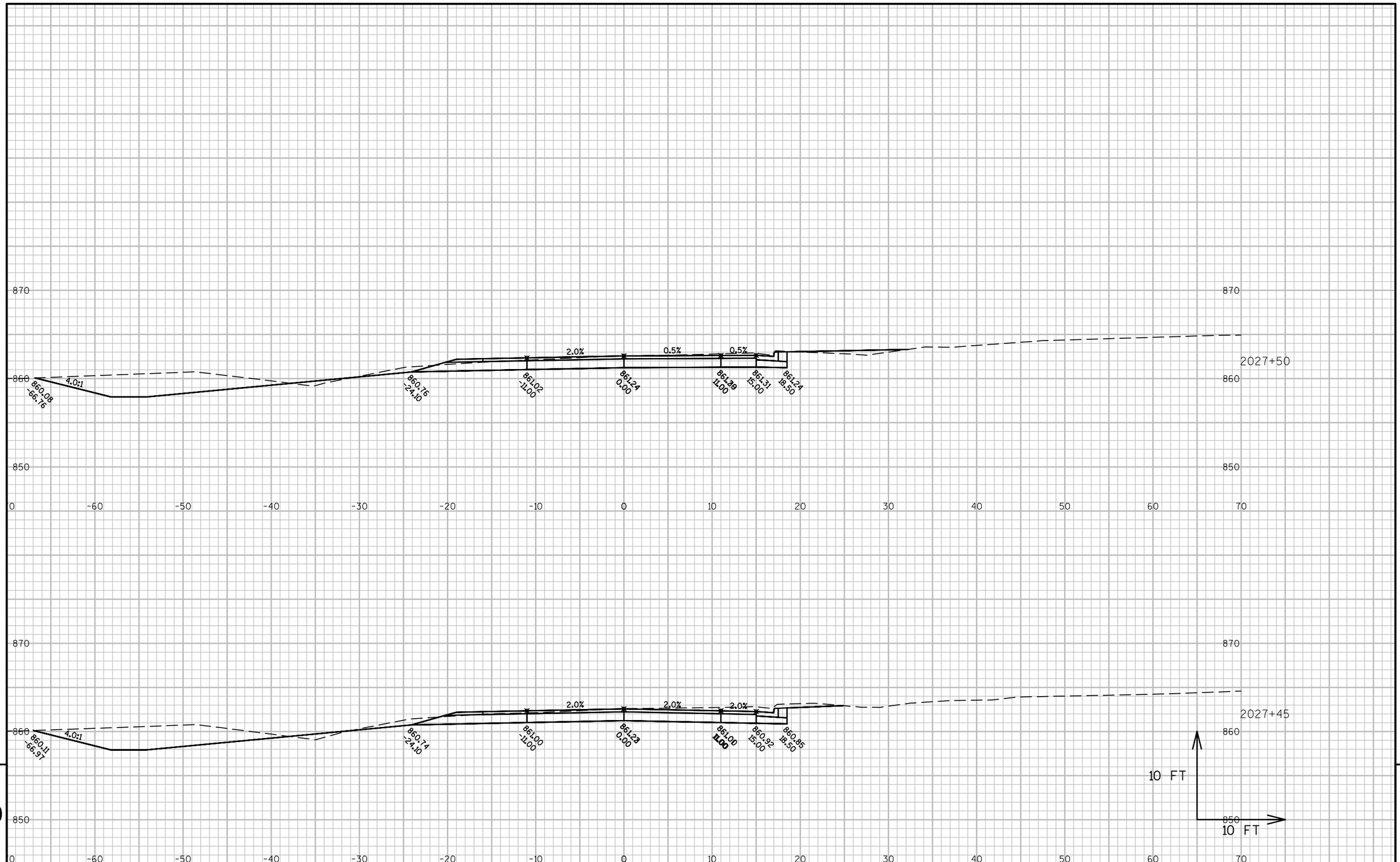
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 423	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(08)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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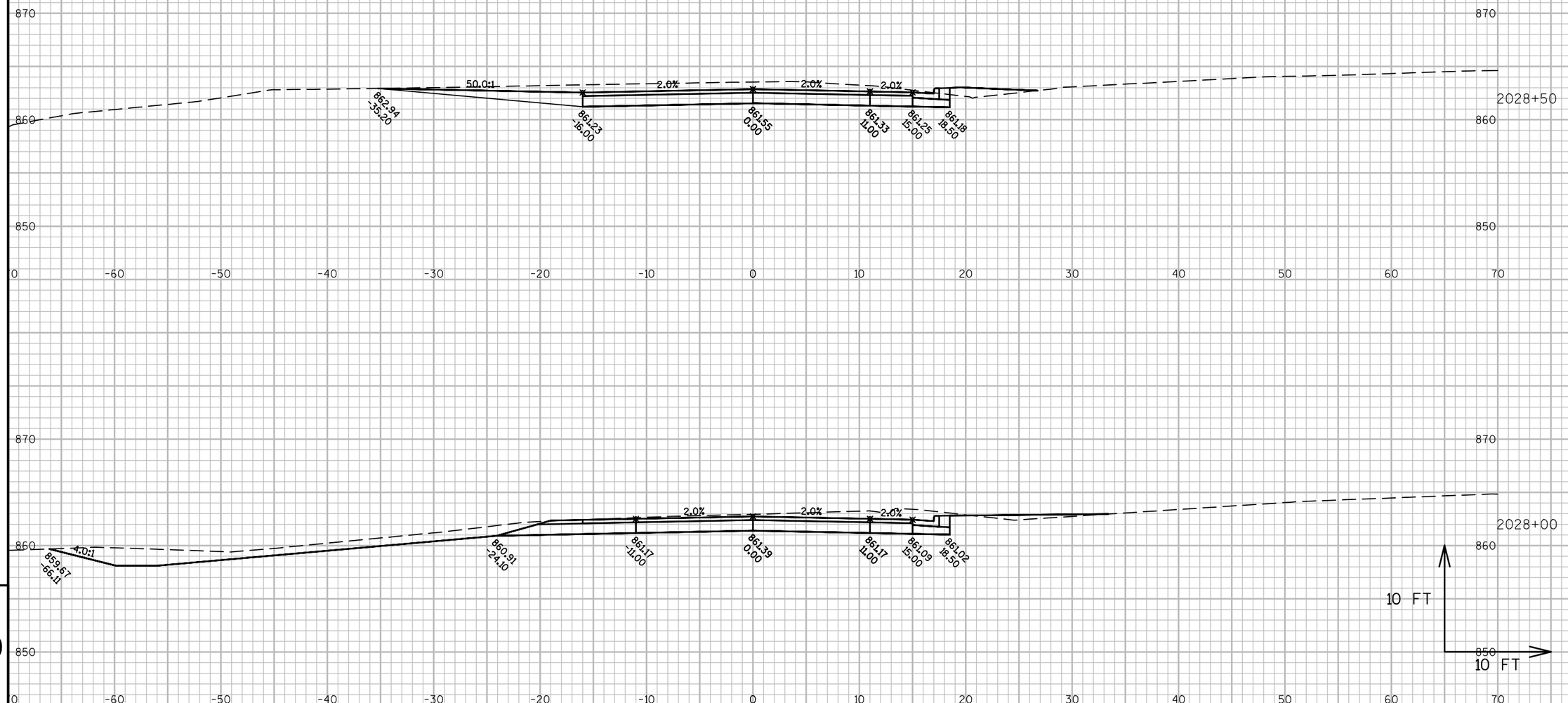
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 424	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(09)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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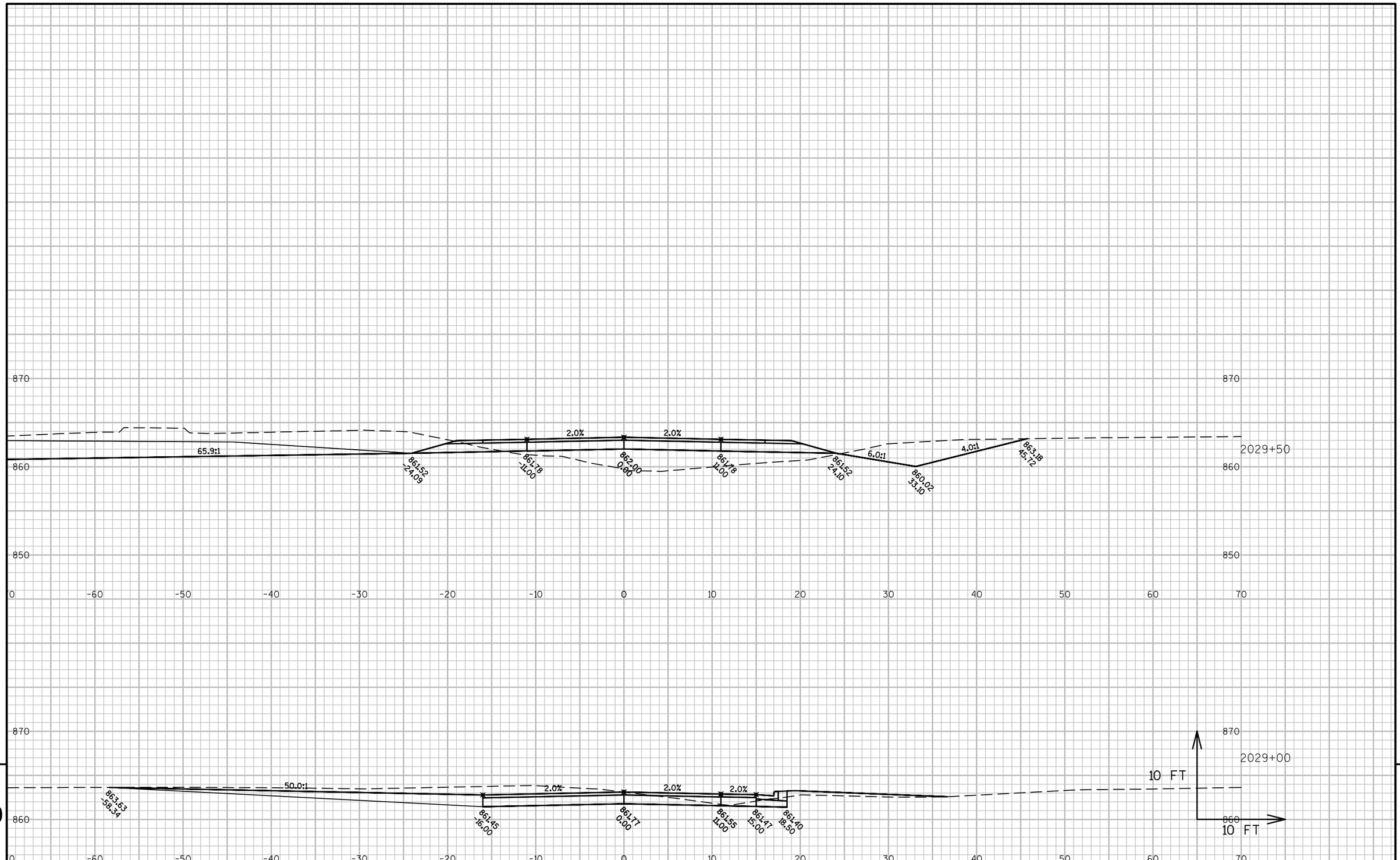
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 425	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(10)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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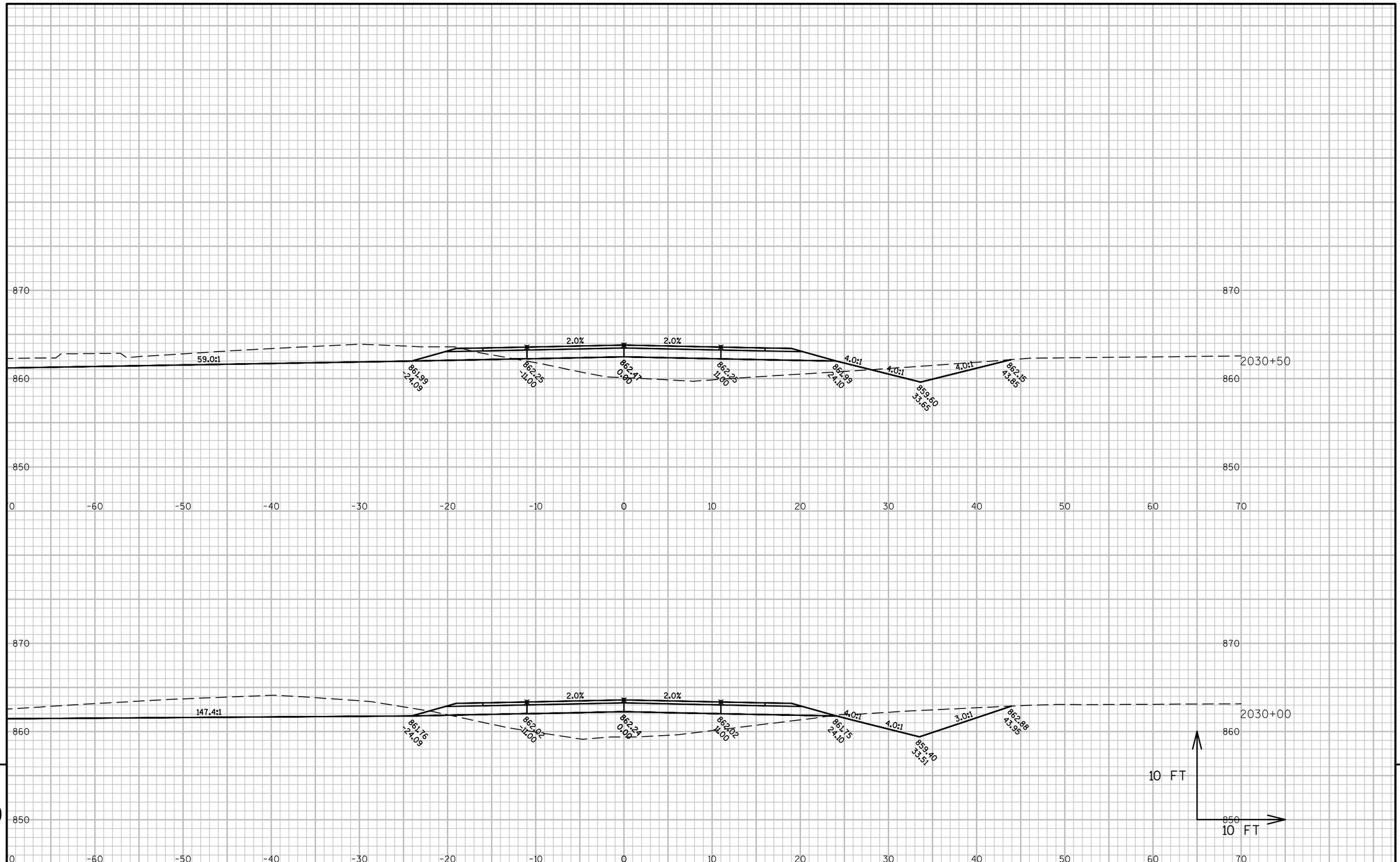
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 426	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(11)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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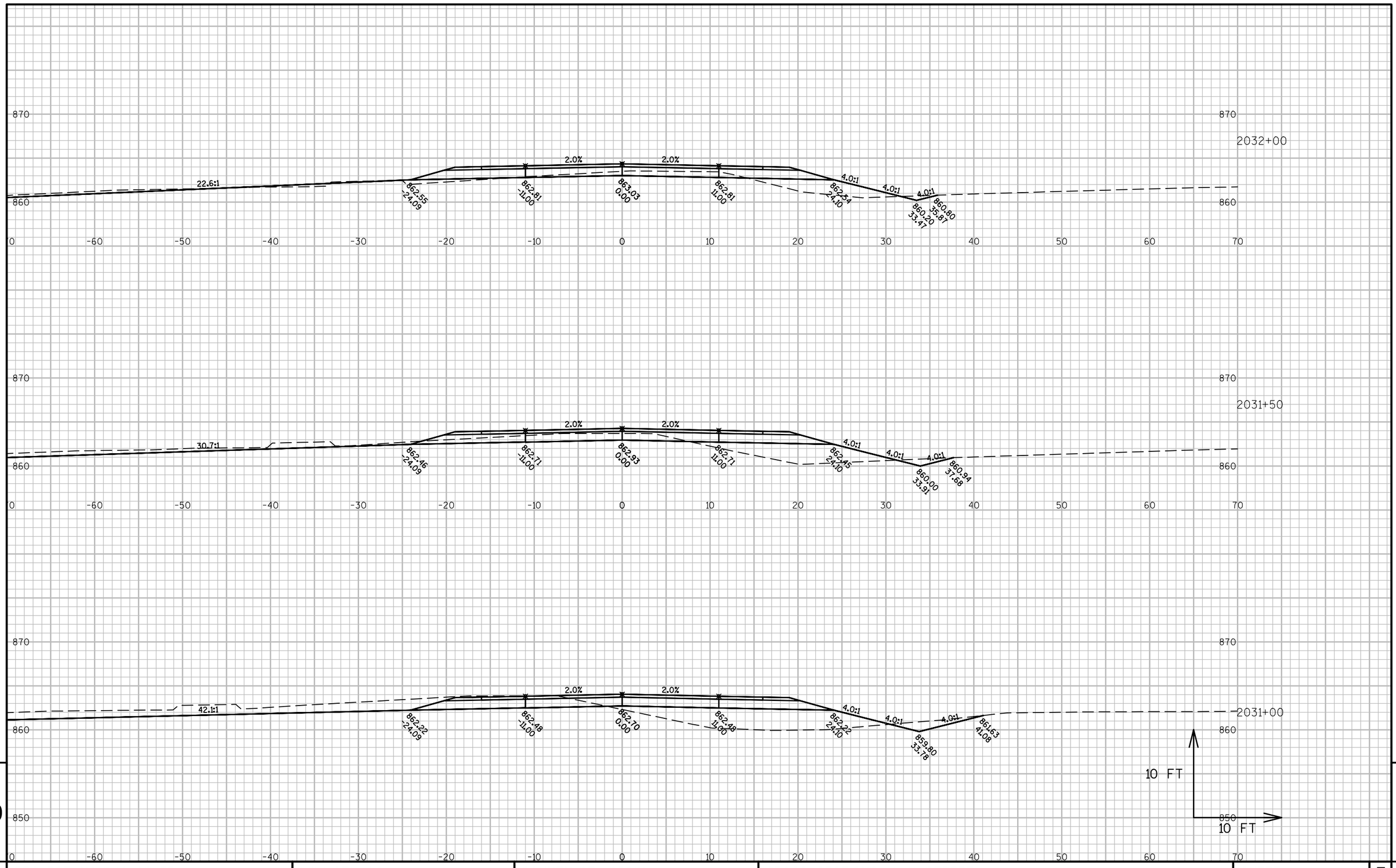
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 427	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(12)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

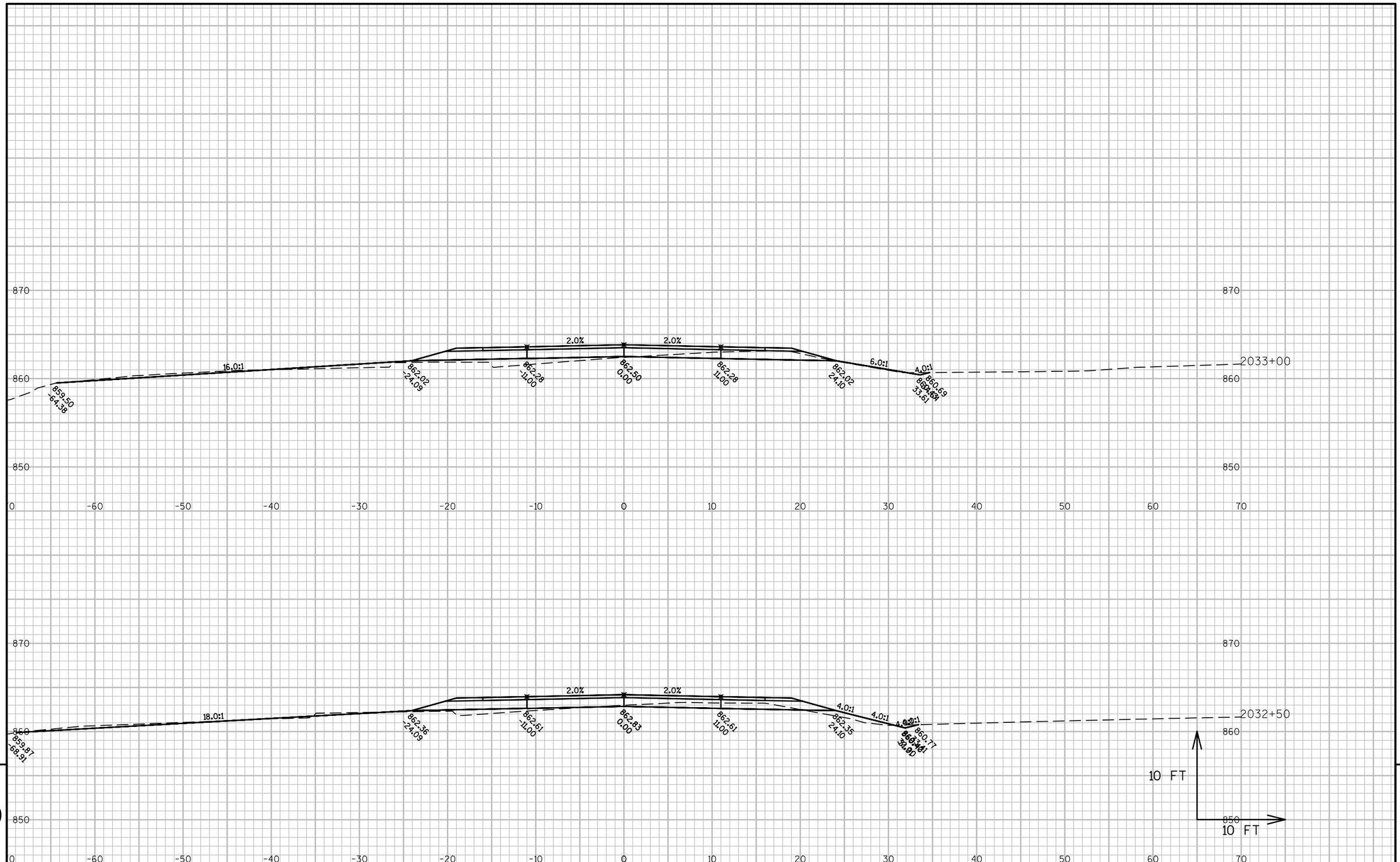
WISDOT/CADDS SHEET 49



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 428	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(13)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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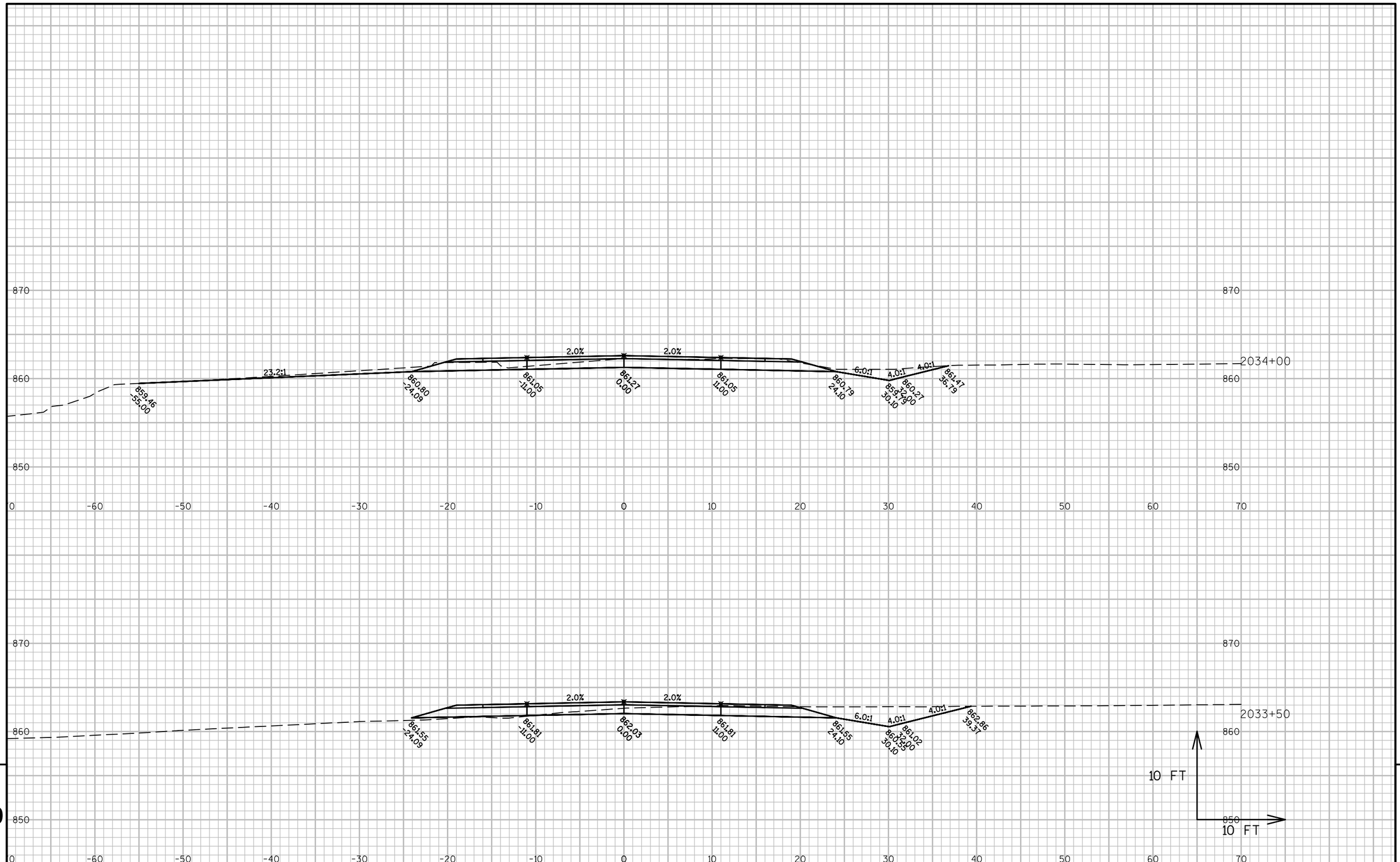
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 429 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(14)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

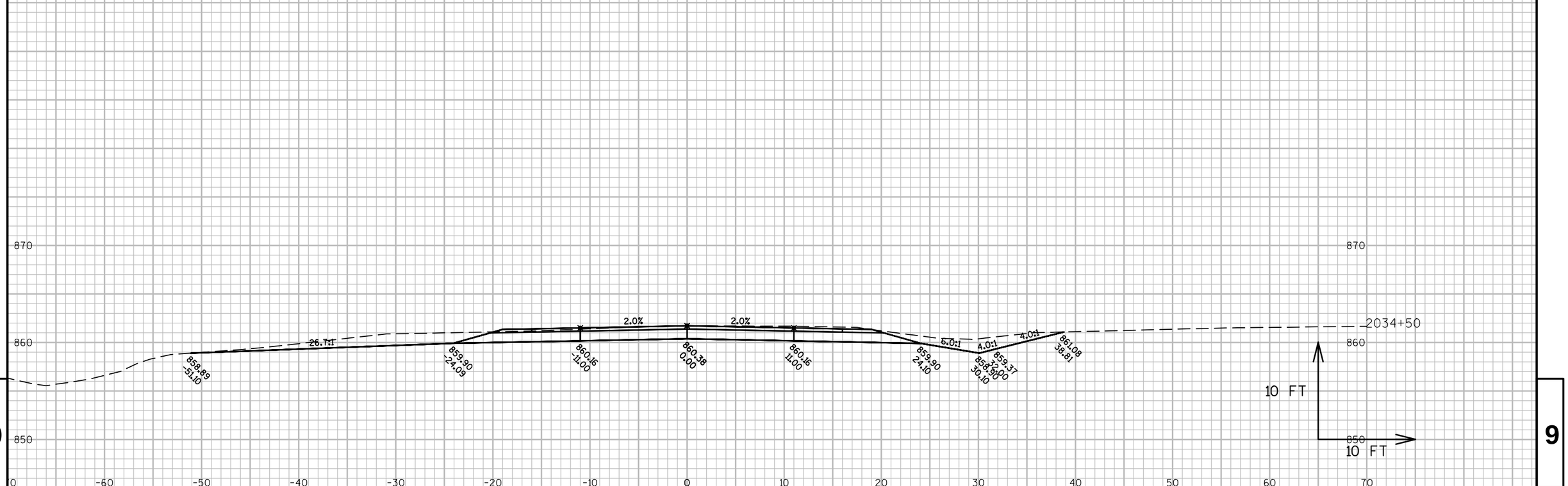
WISDOT/CADDS SHEET 49



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 430	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(15)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:23 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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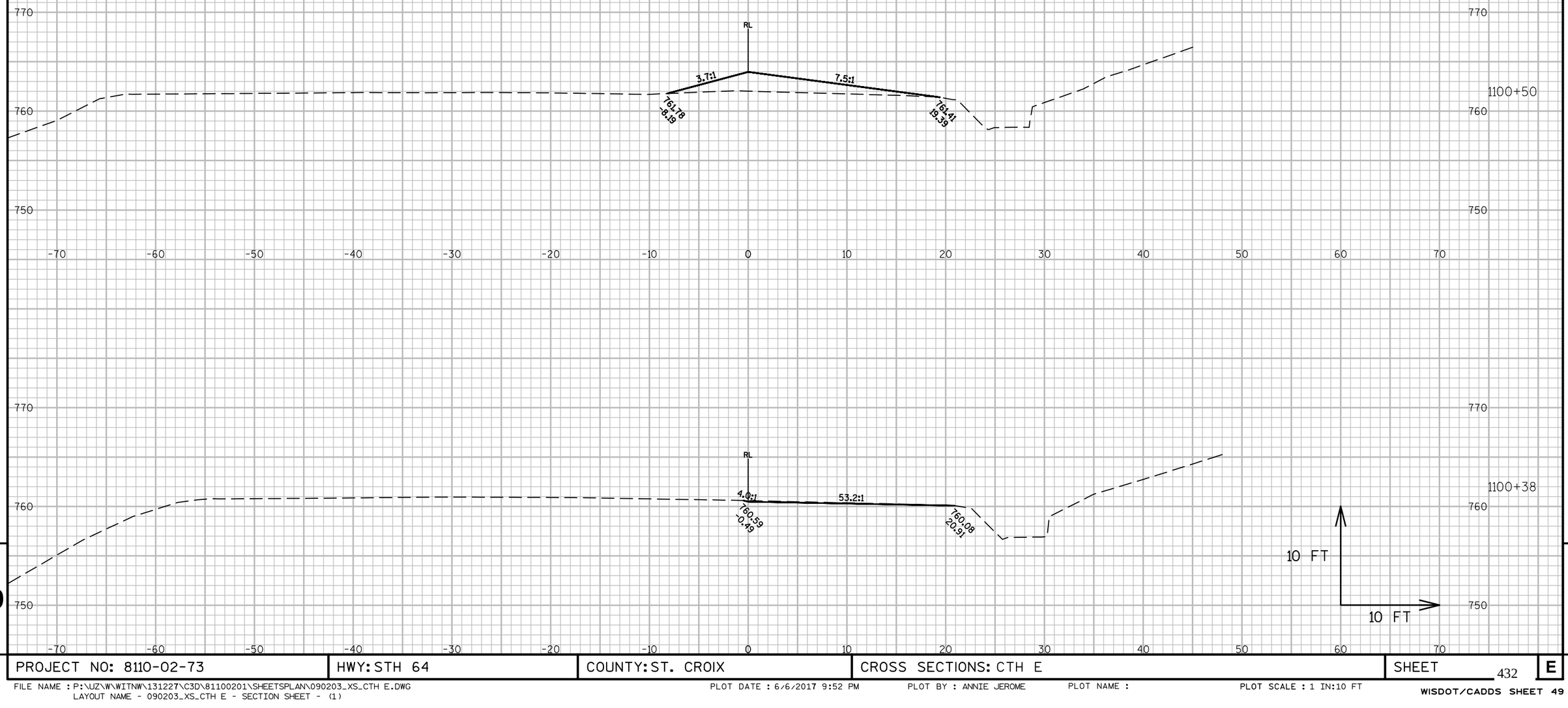
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN STREET	SHEET 431	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090205_XS_MAIN ST.DWG
LAYOUT NAME - 090205_XS_MAIN ST - 0902(16)_XS_MAIN ST

PLOT DATE : 6/6/2017 9:24 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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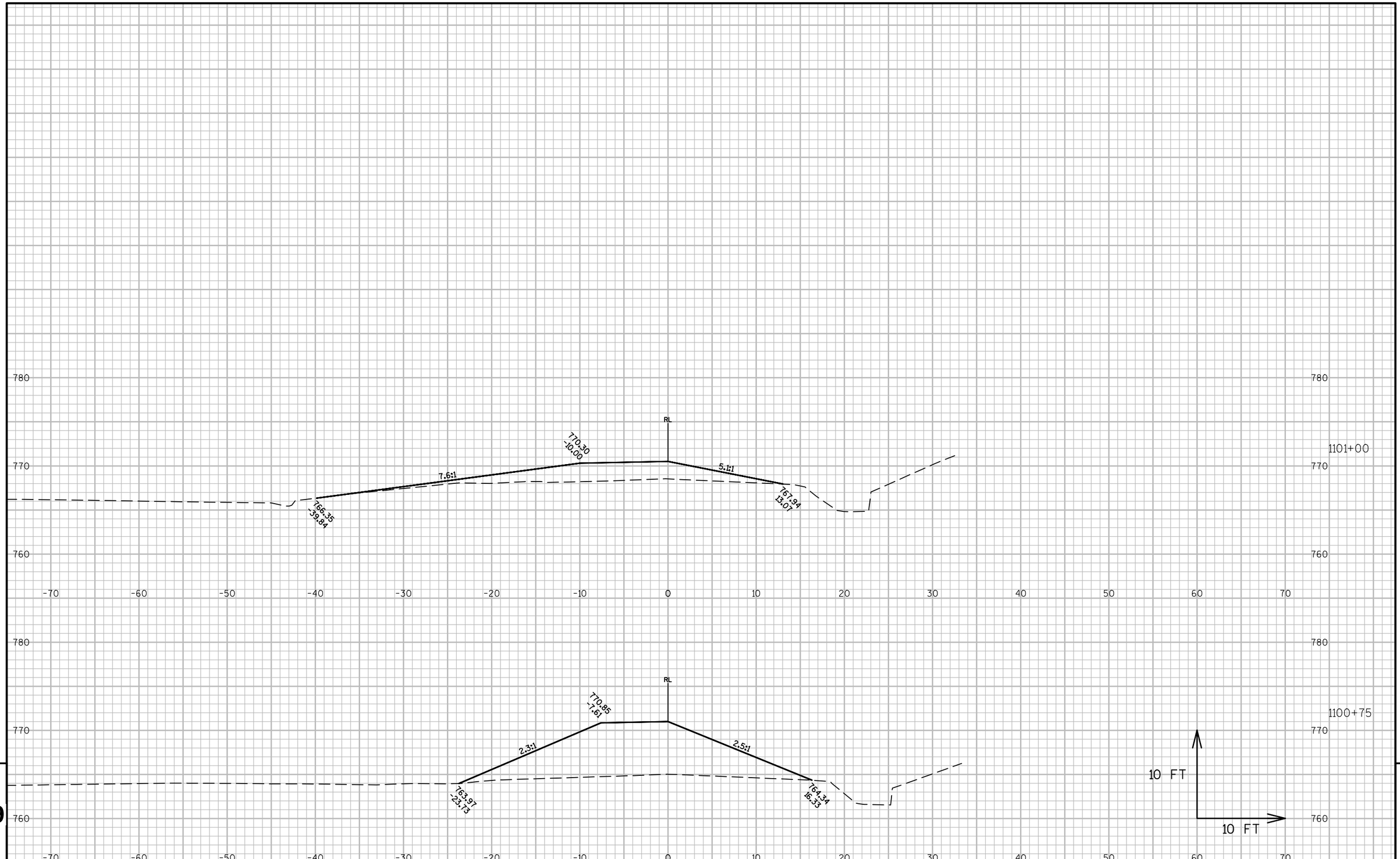
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 432	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (1)

PLOT DATE : 6/6/2017 9:52 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

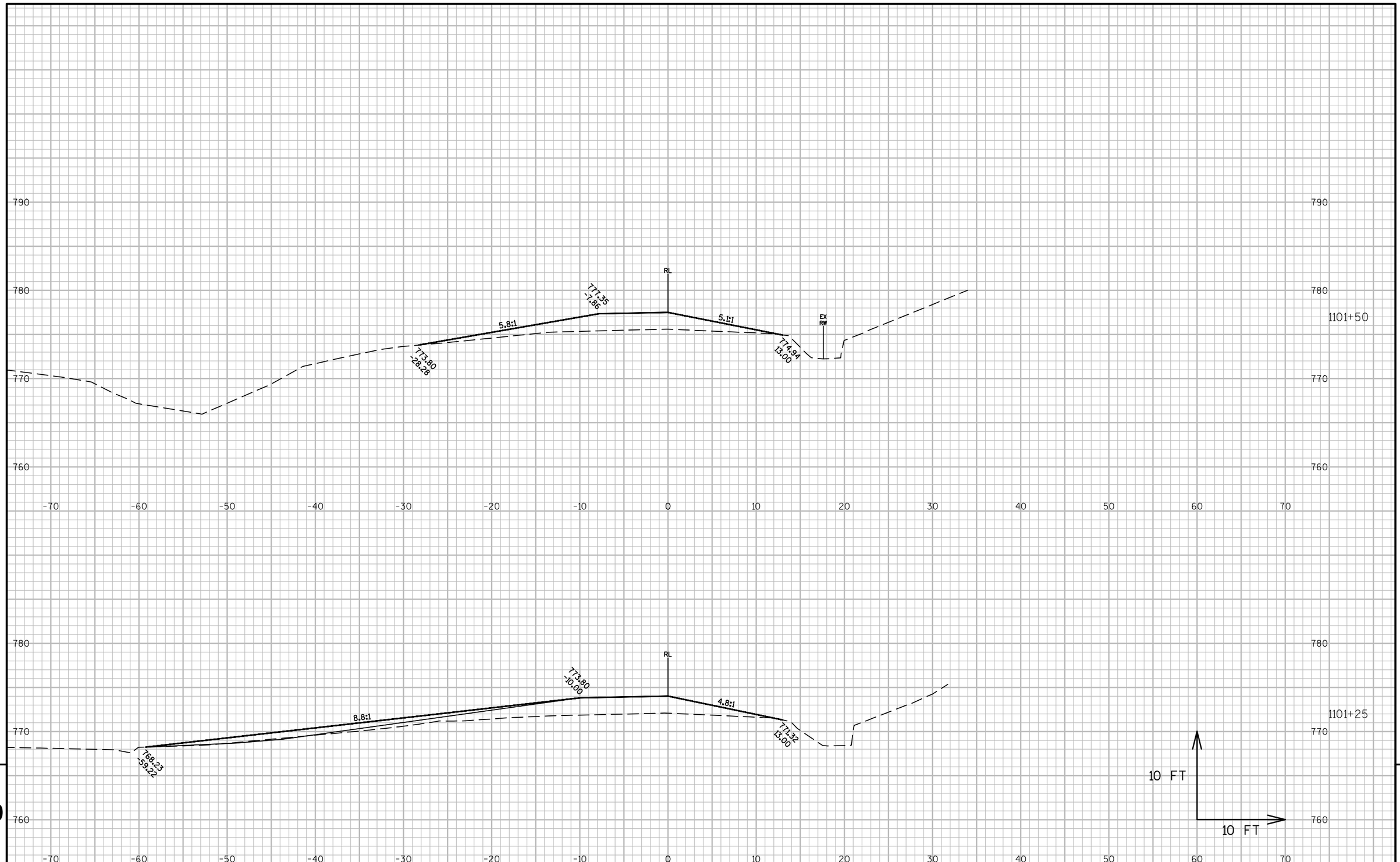


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 433	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (2)

PLOT DATE : 6/6/2017 9:53 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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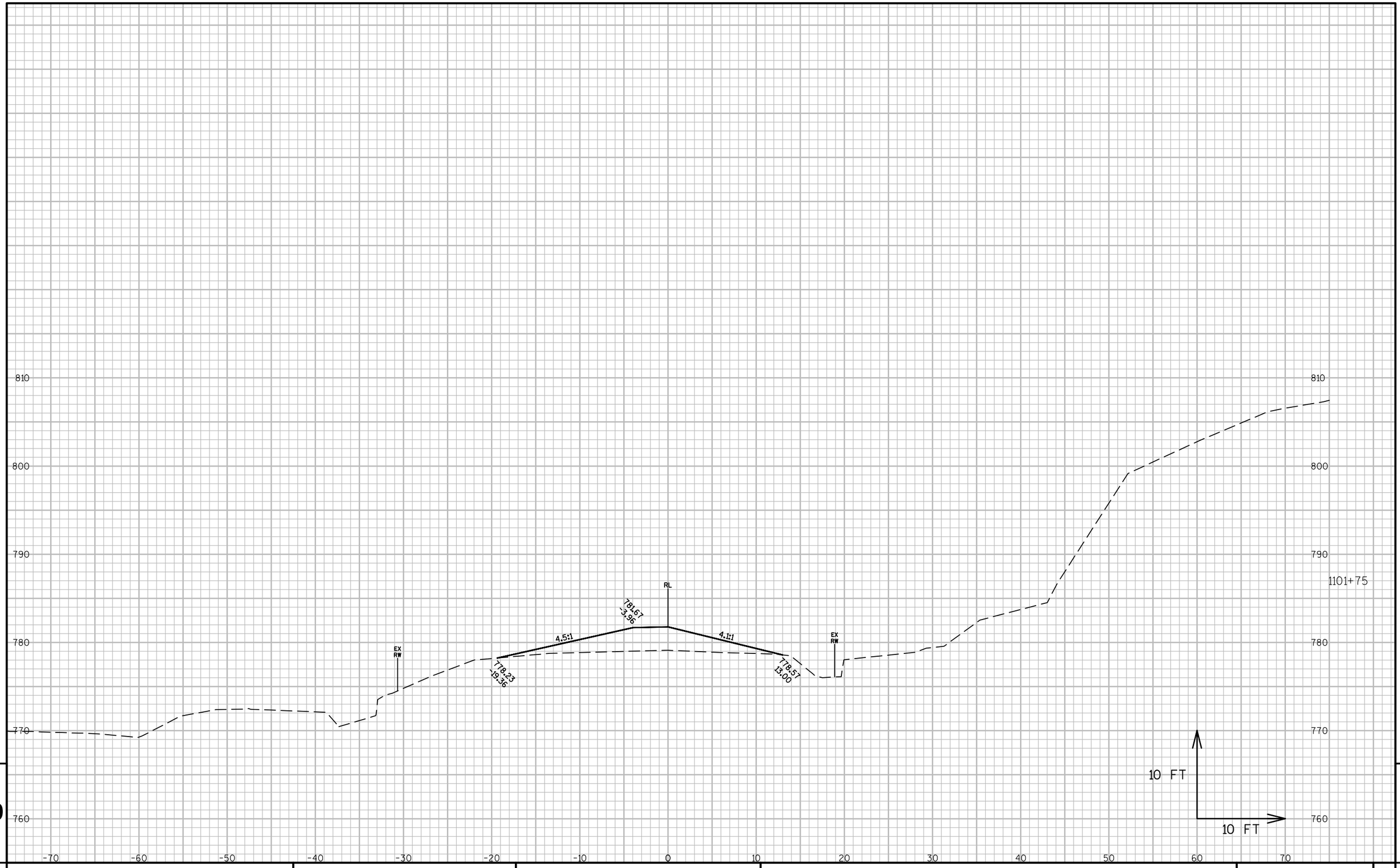
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 434	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (3)

PLOT DATE : 6/6/2017 9:53 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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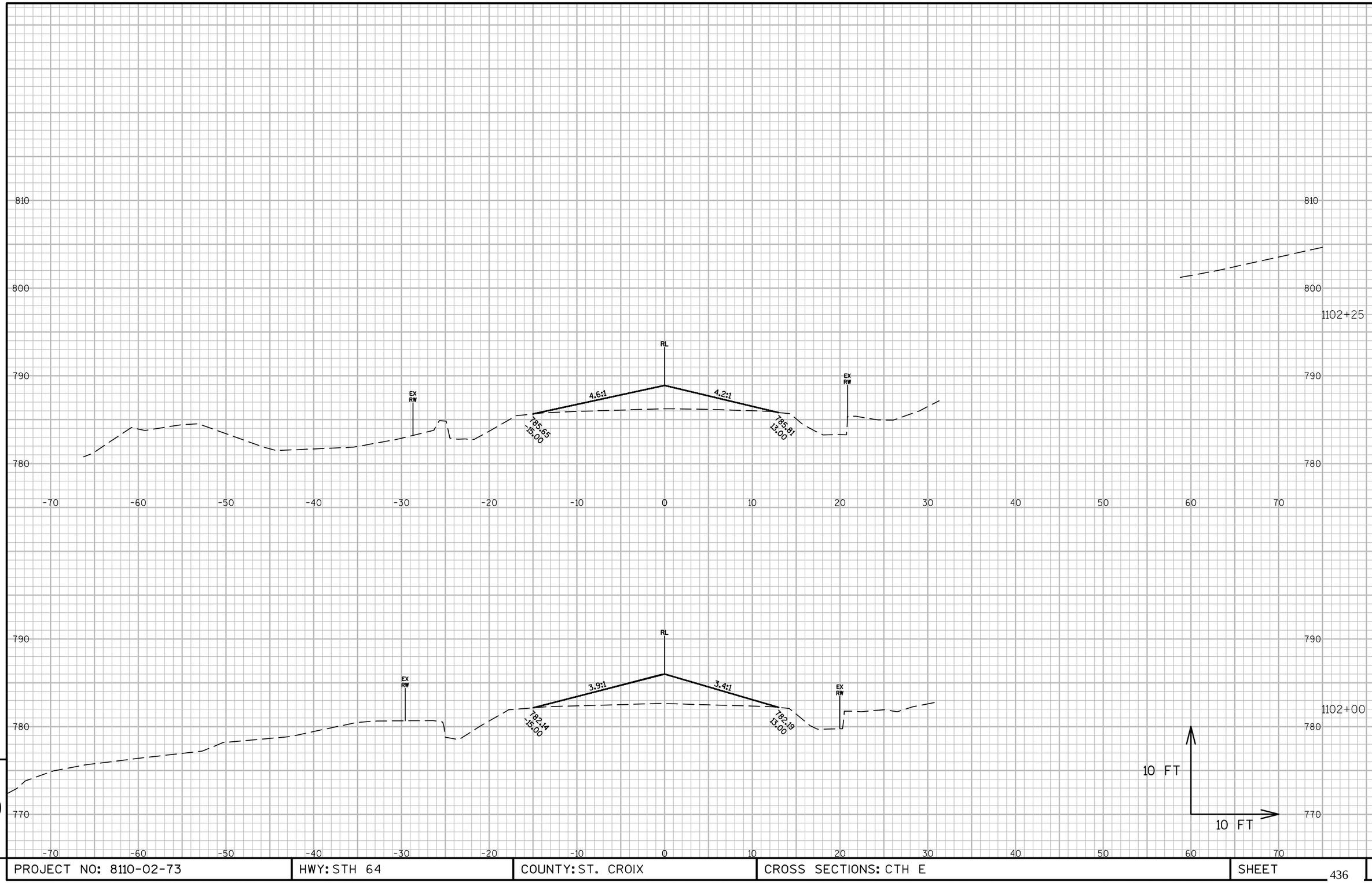
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 435	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (4)

PLOT DATE : 6/6/2017 9:53 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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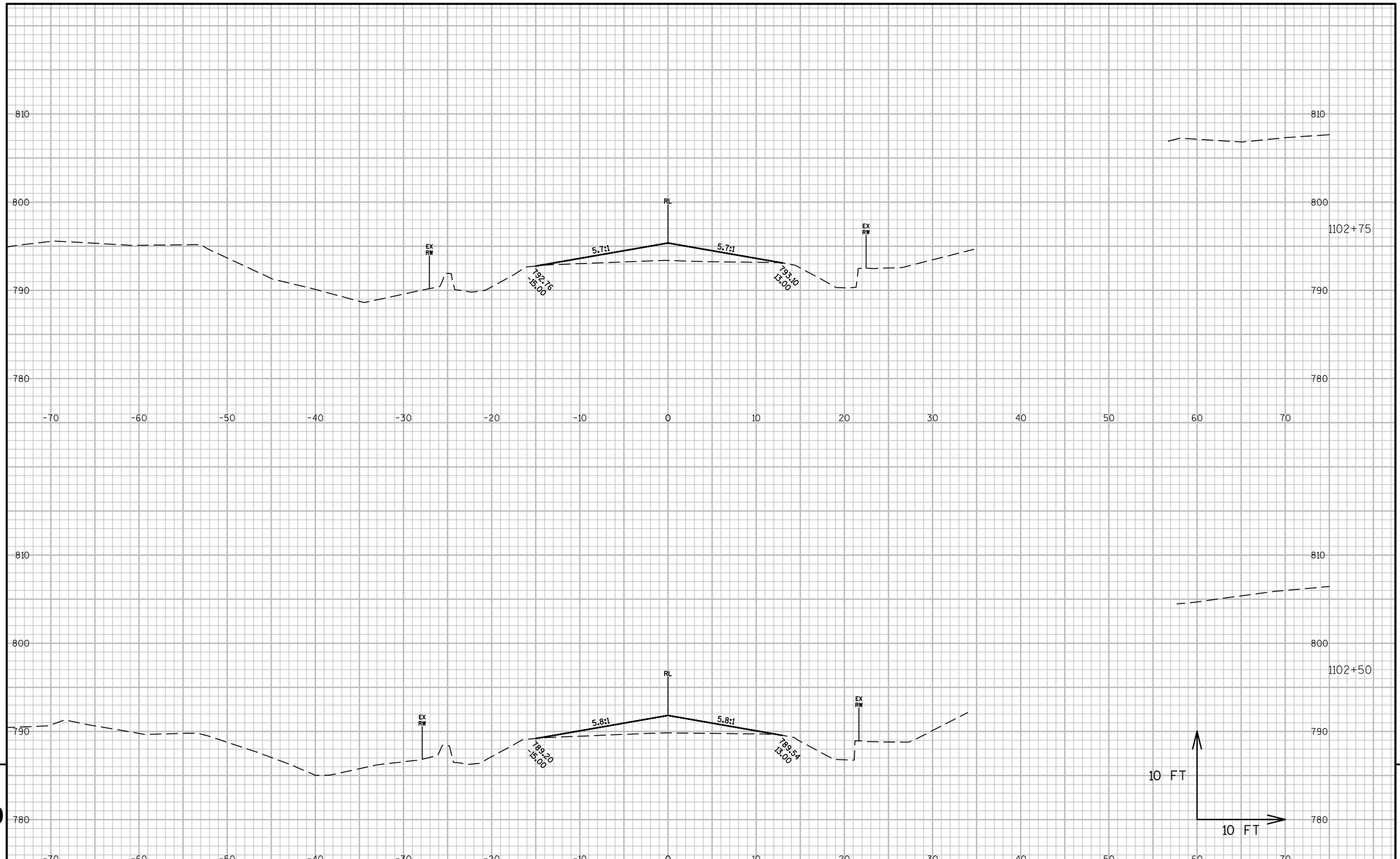
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 436	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (5)

PLOT DATE : 6/6/2017 9:54 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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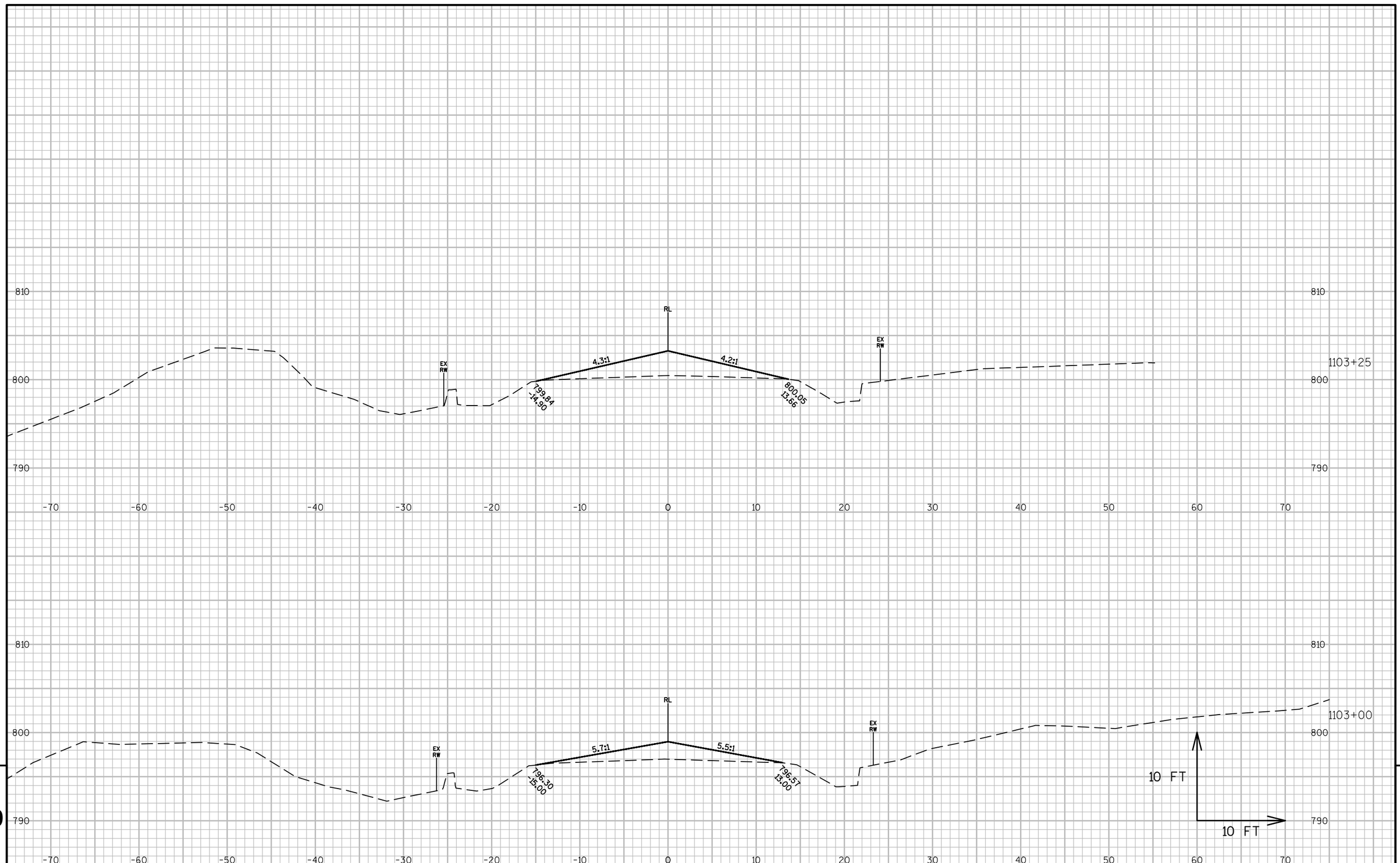
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 437	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (6)

PLOT DATE : 6/6/2017 9:54 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

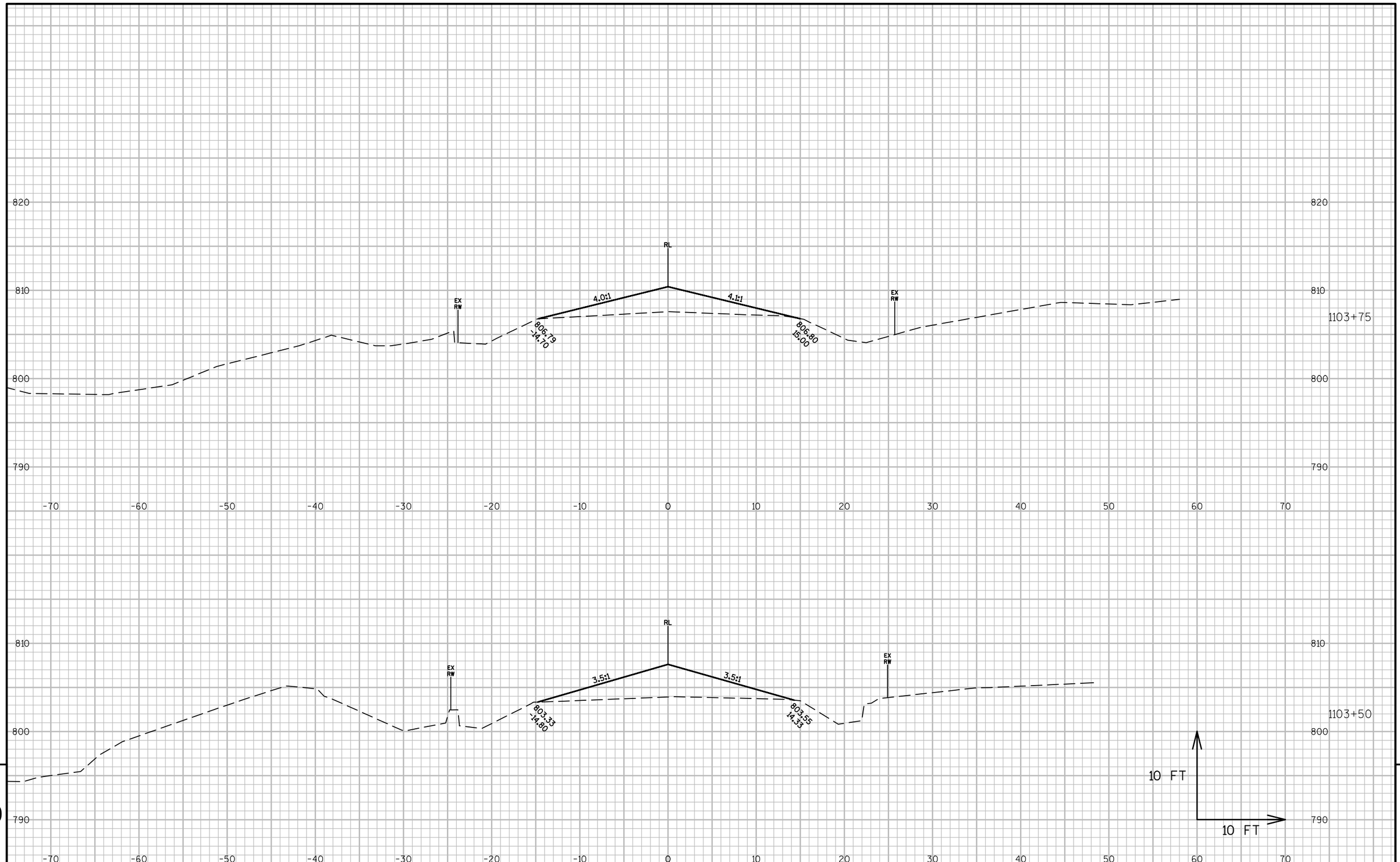
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 438	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (7)

PLOT DATE : 6/6/2017 9:54 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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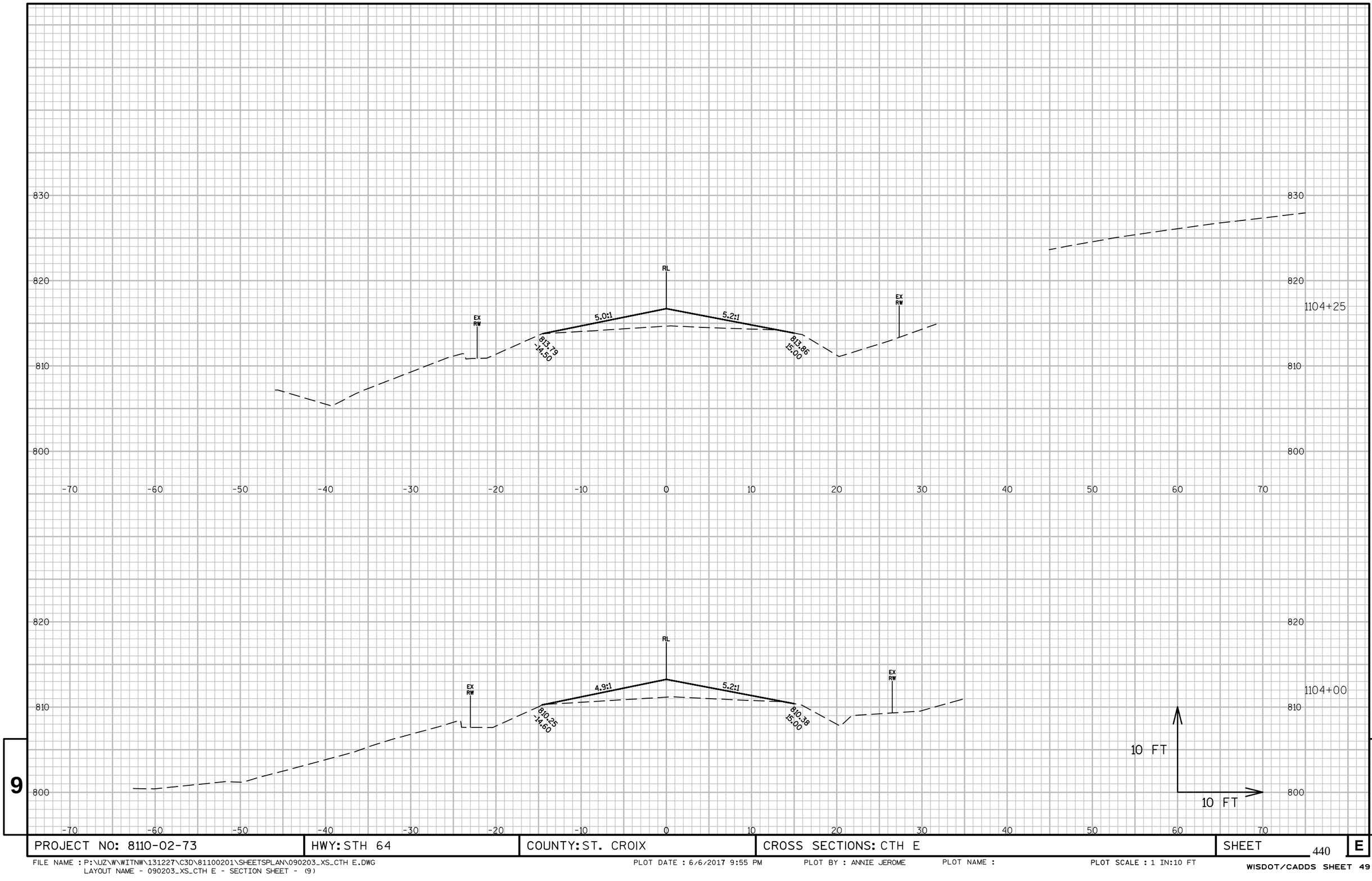
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 439	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (8)
PLOT DATE : 6/6/2017 9:54 PM
PLOT BY : ANNIE JEROME
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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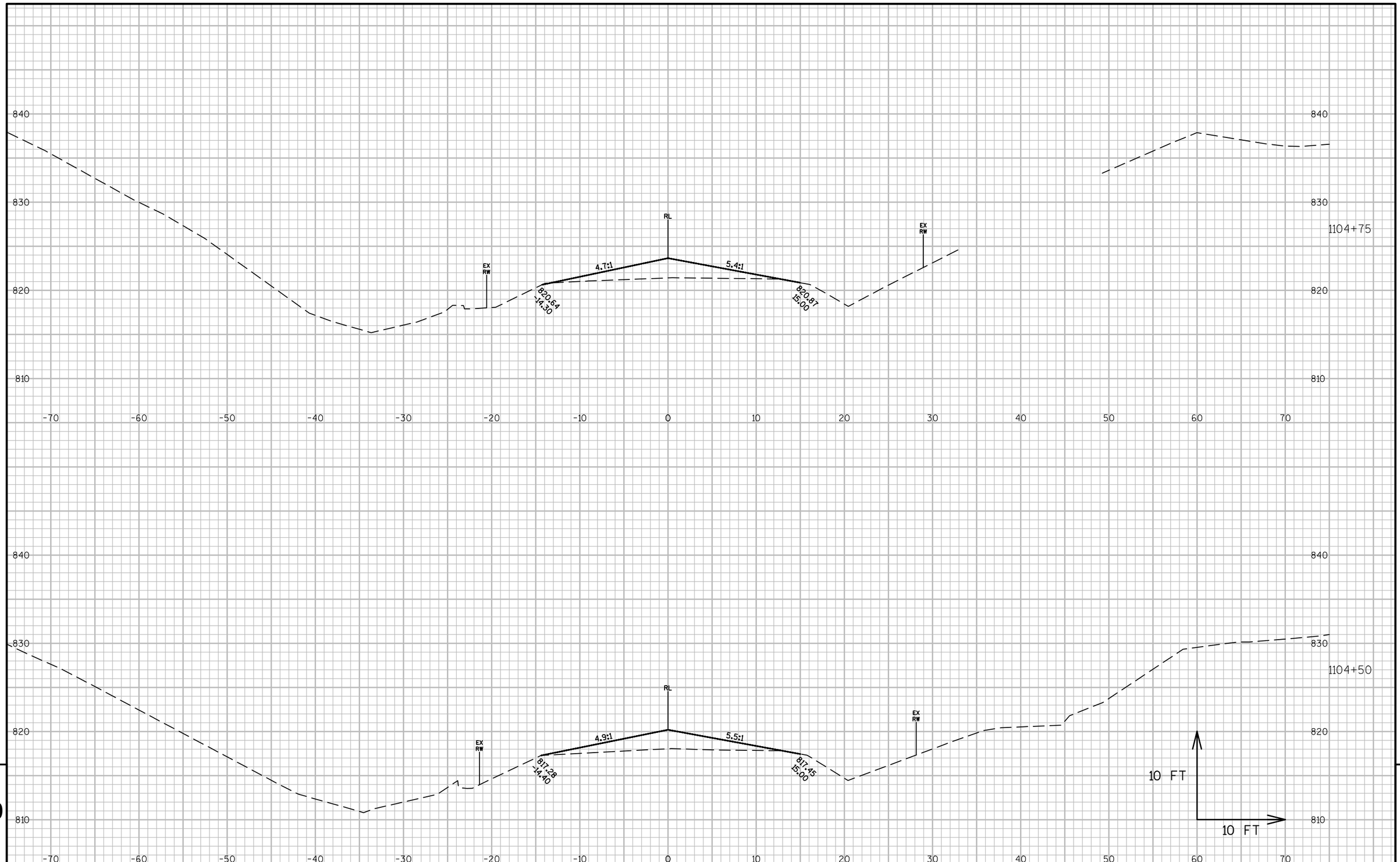
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 440	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (9)

PLOT DATE : 6/6/2017 9:55 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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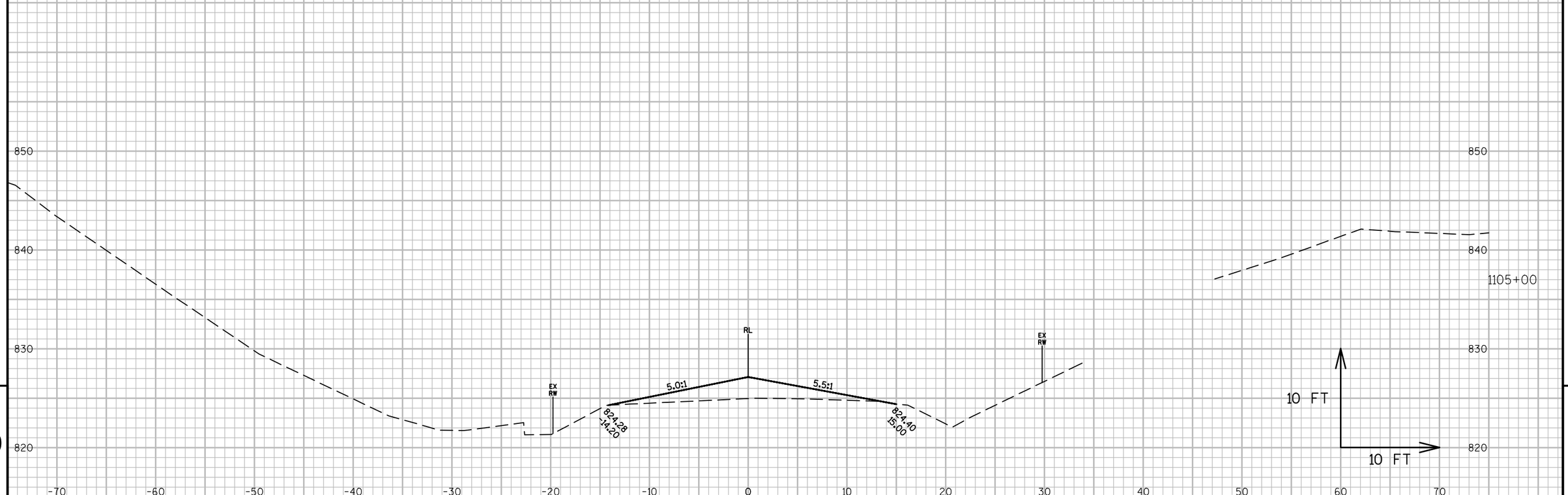
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 441	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (10)

PLOT DATE : 6/6/2017 9:55 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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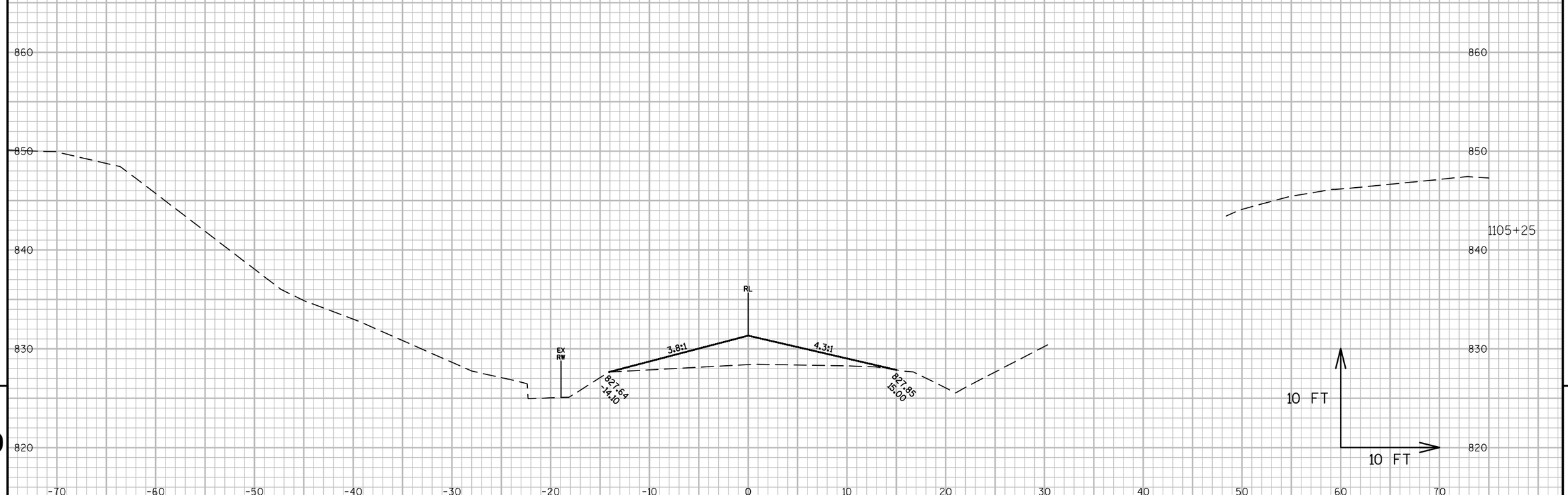
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 442	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (11)

PLOT DATE : 6/6/2017 9:55 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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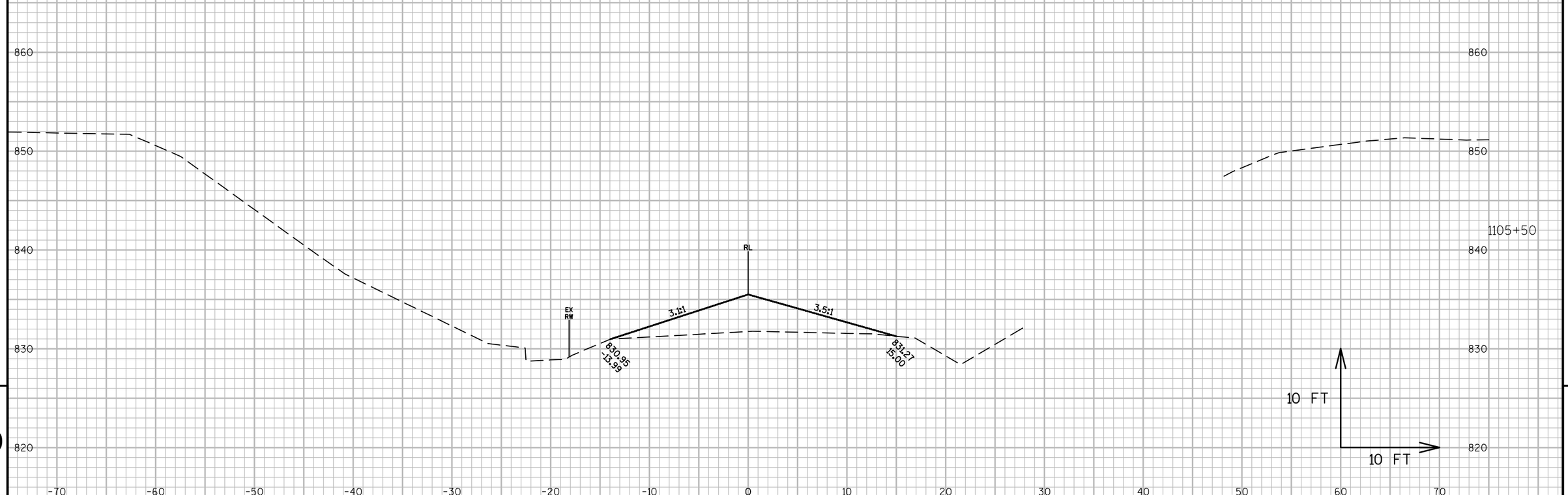
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 443	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (12)

PLOT DATE : 6/6/2017 9:56 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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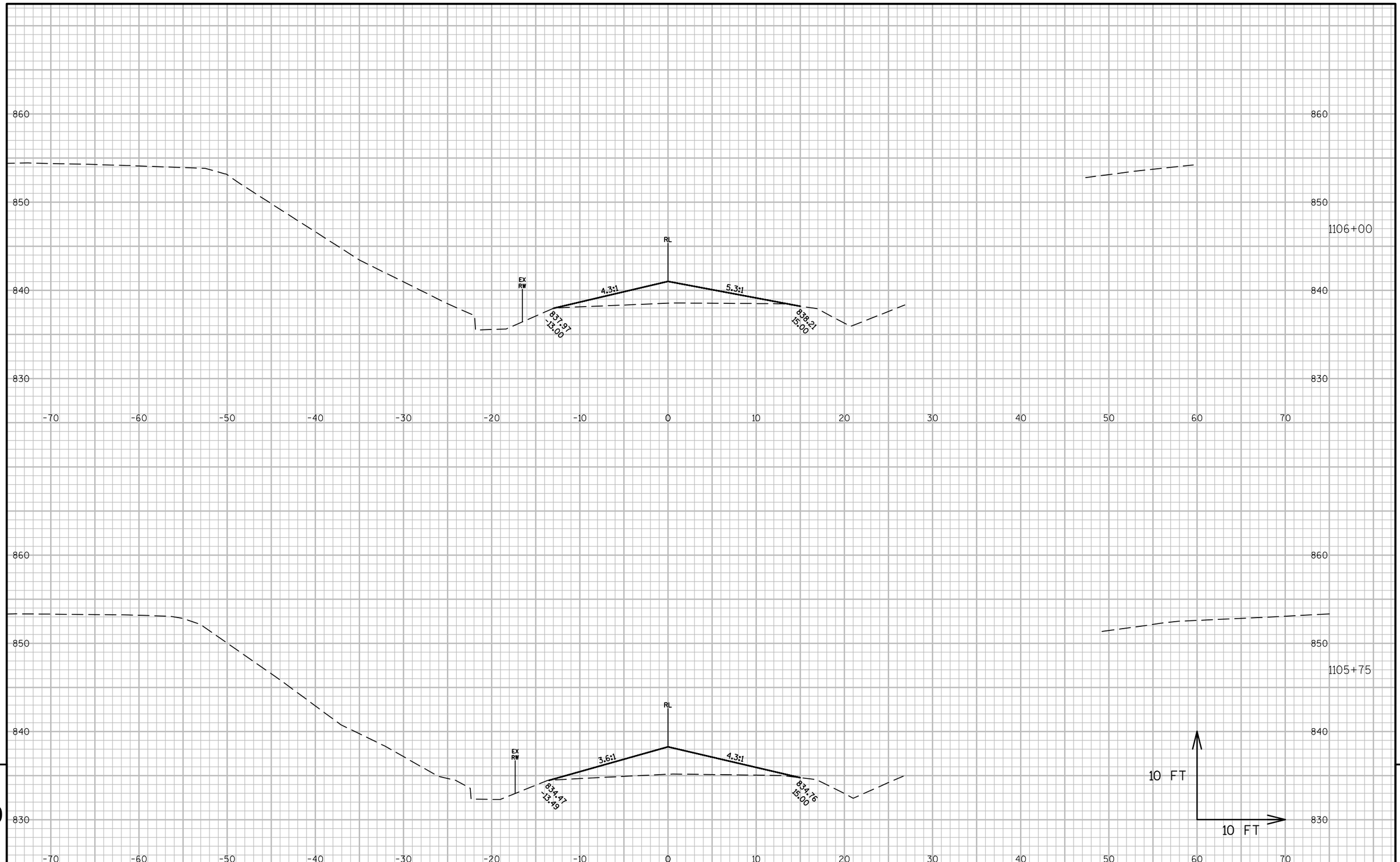
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 444	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (13)

PLOT DATE : 6/6/2017 9:56 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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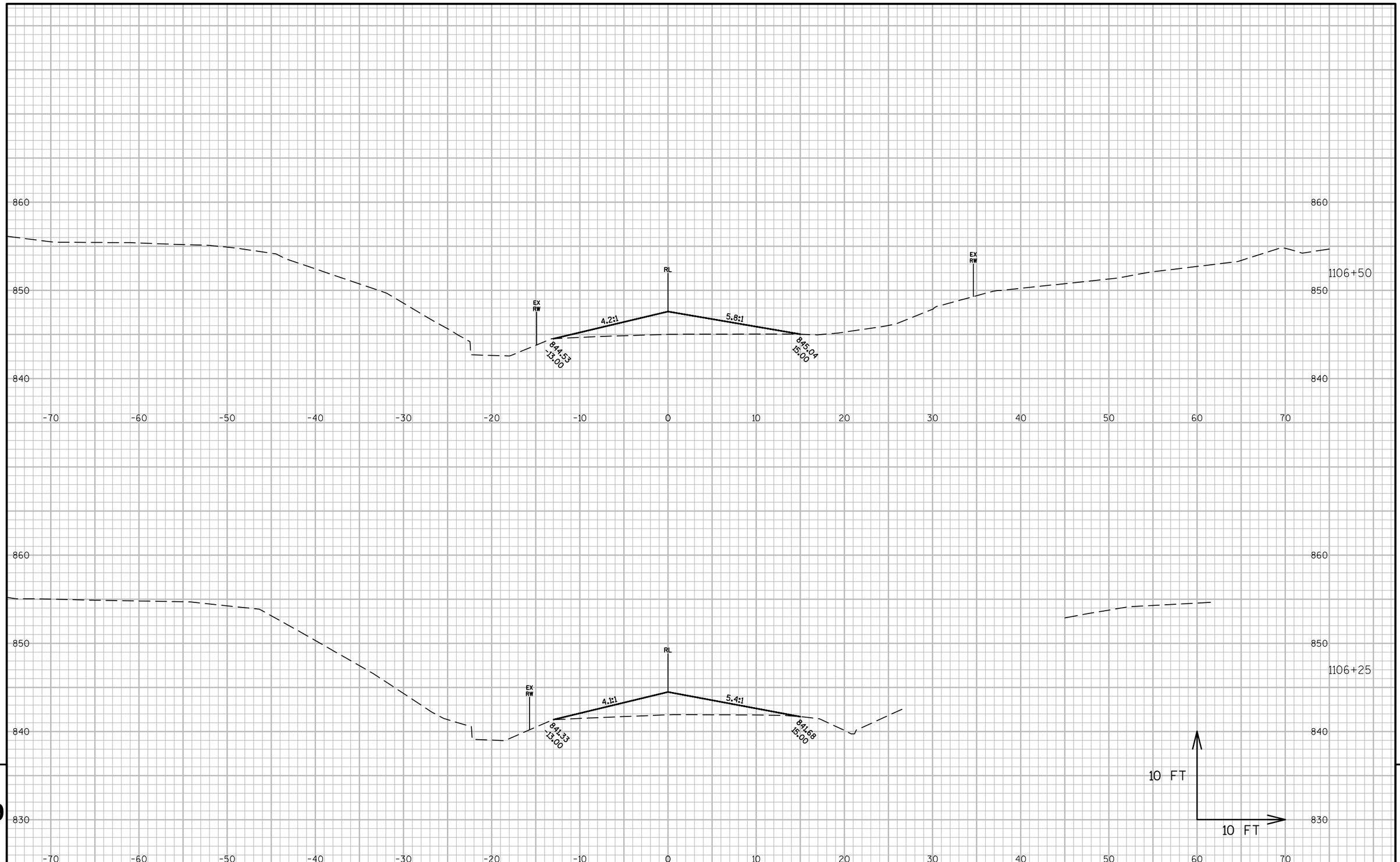
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 445	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (14)

PLOT DATE : 6/6/2017 9:56 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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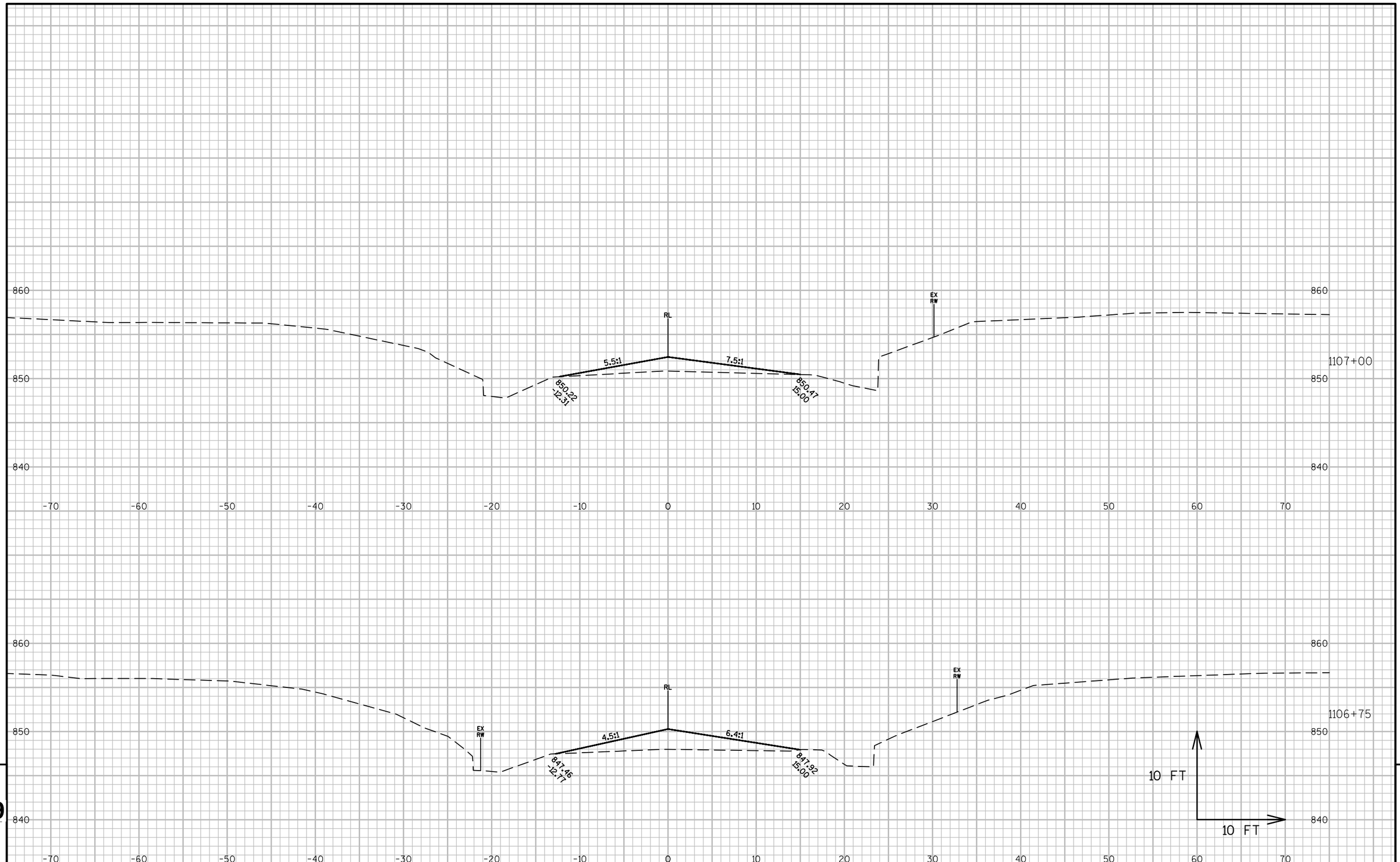
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 446	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (15)

PLOT DATE : 6/6/2017 9:57 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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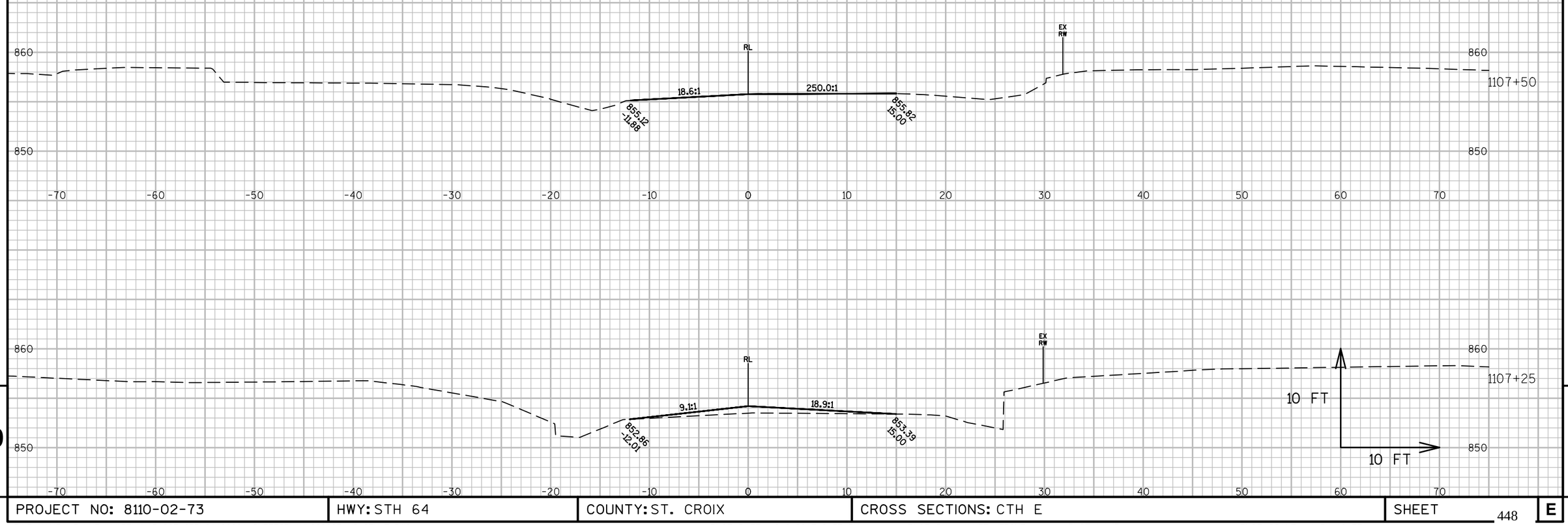
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 447	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (16)

PLOT DATE : 6/6/2017 9:57 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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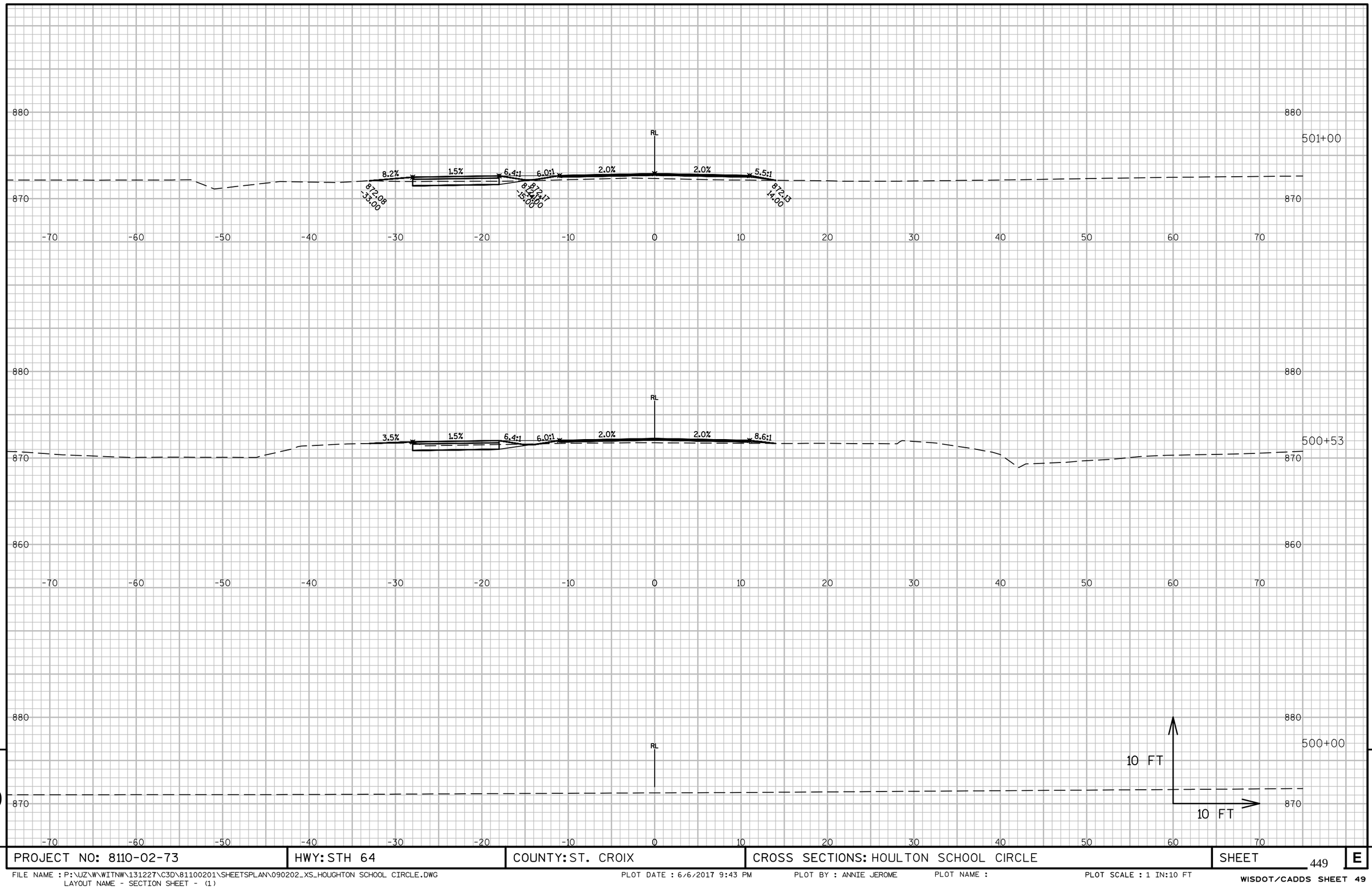
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: CTH E	SHEET 448	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090203_XS_CTH E.DWG
LAYOUT NAME - 090203_XS_CTH E - SECTION SHEET - (17)

PLOT DATE : 6/6/2017 9:57 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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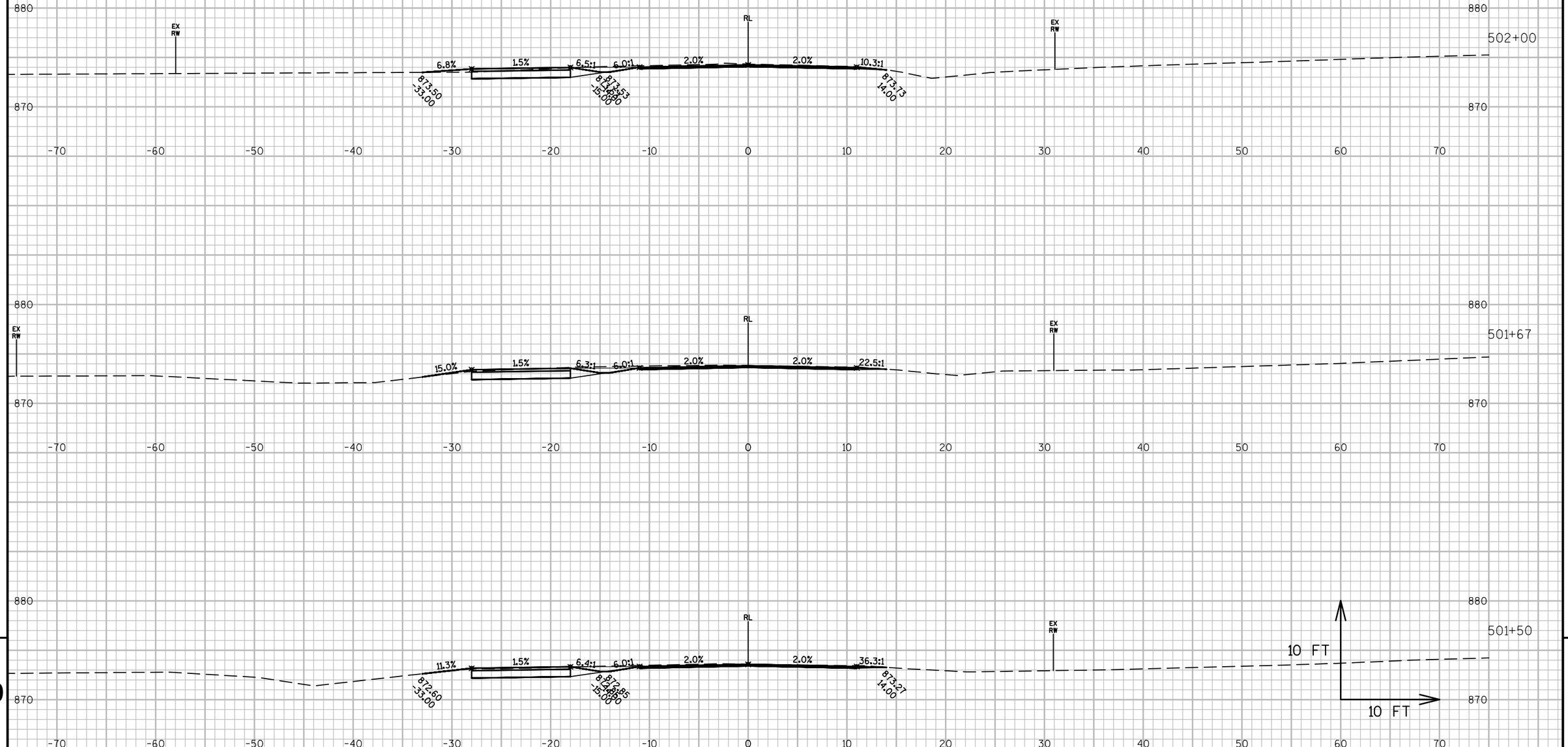
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 449	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 6/6/2017 9:43 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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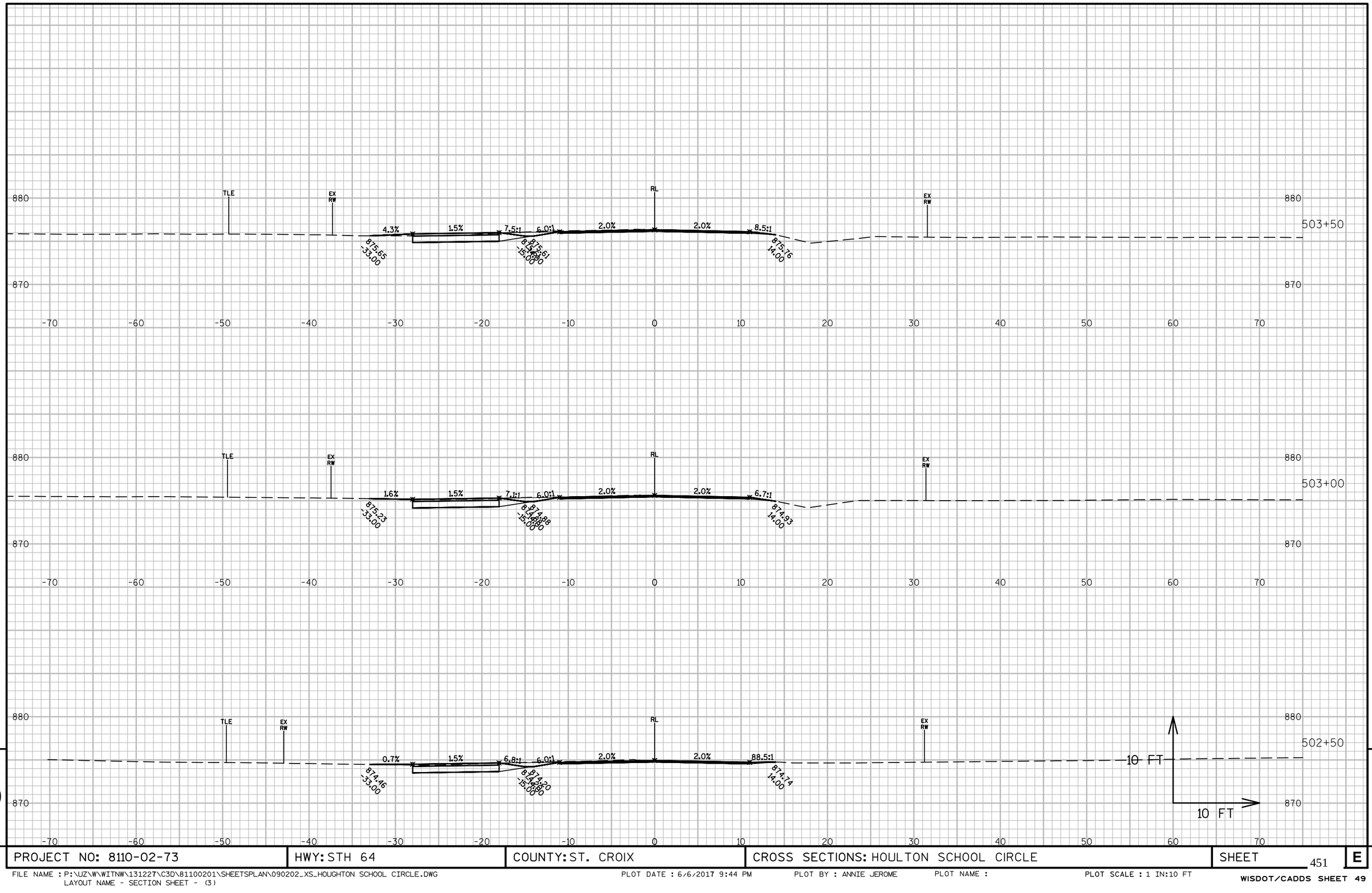
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 450	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 6/6/2017 9:43 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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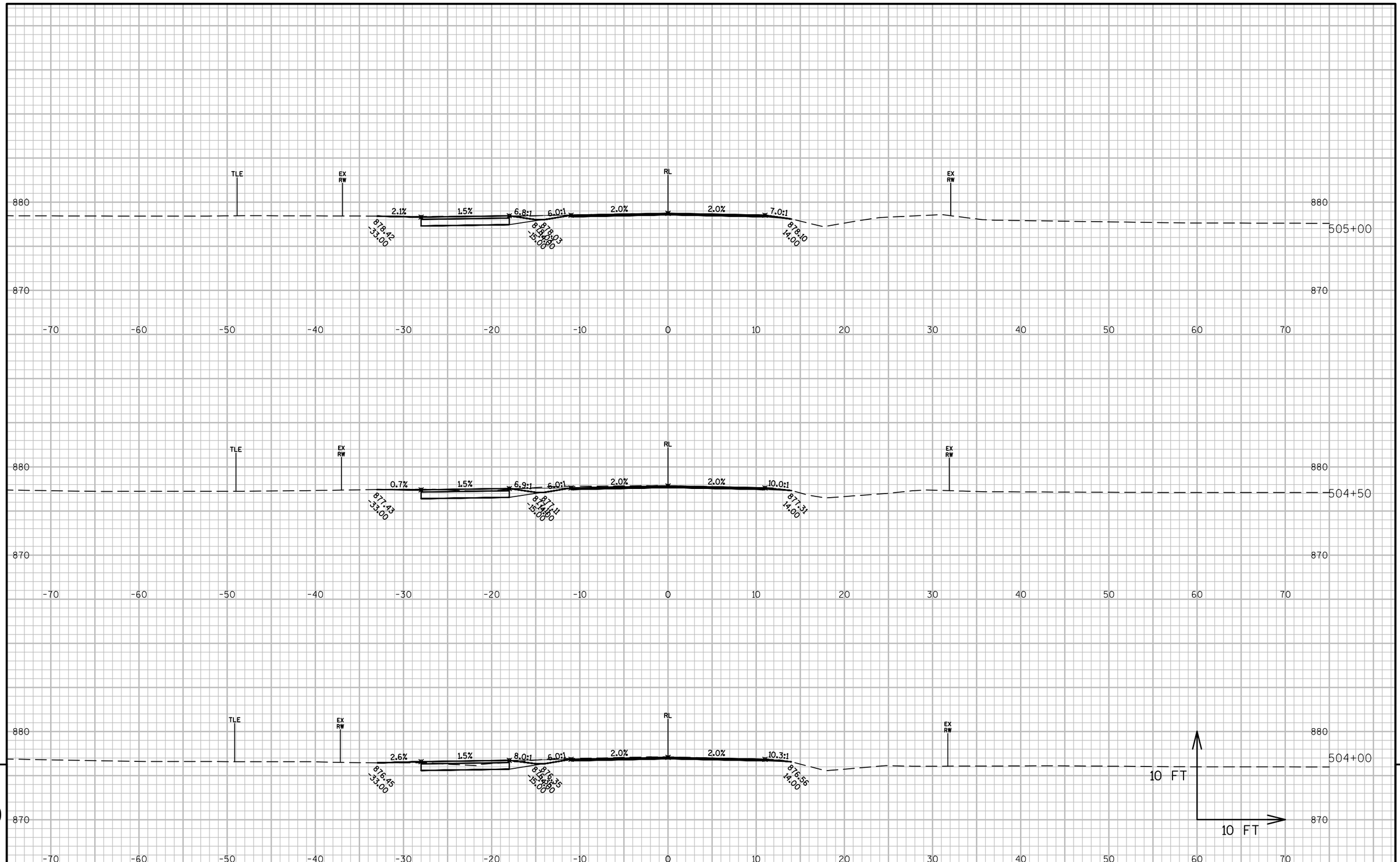
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 451	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 6/6/2017 9:44 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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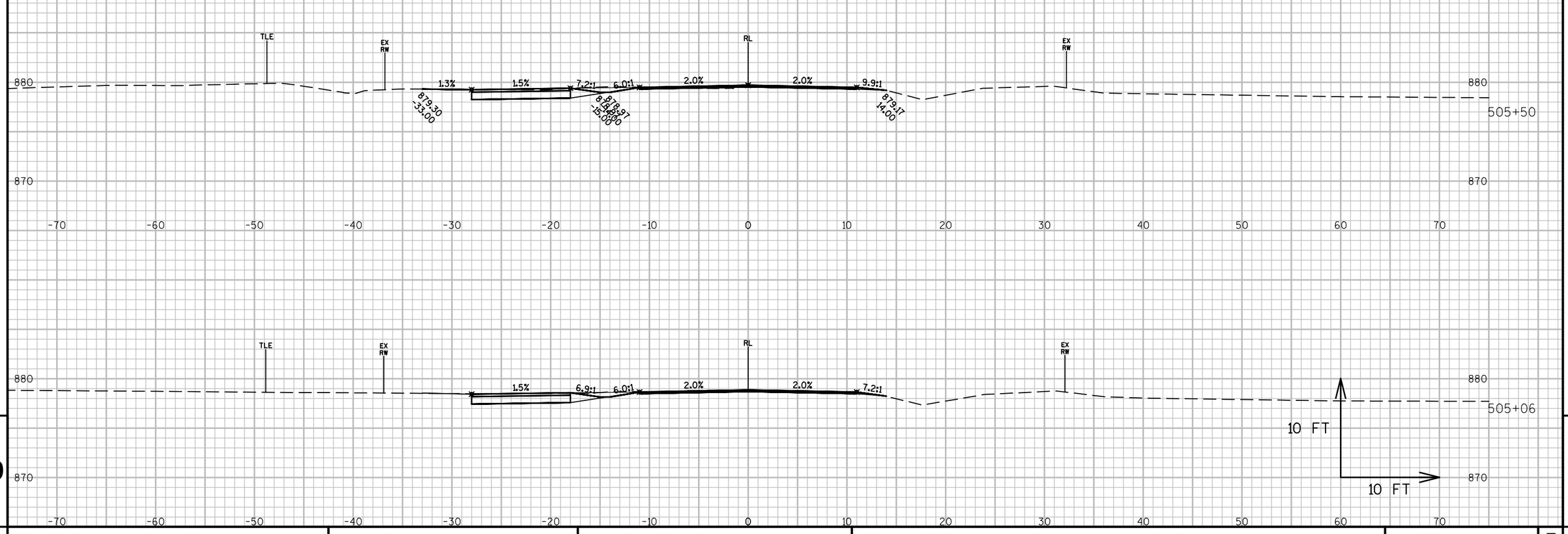
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 452	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 6/6/2017 9:44 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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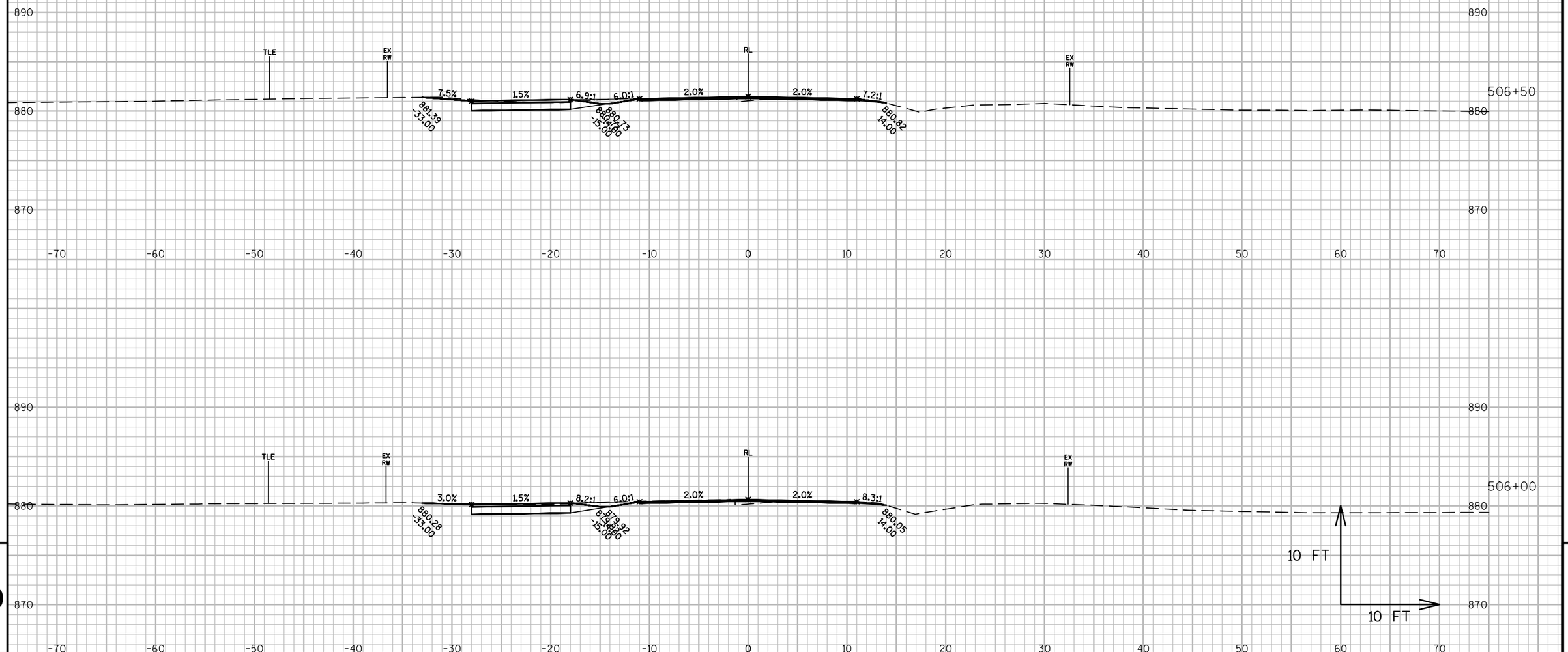
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 453	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 6/6/2017 9:45 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

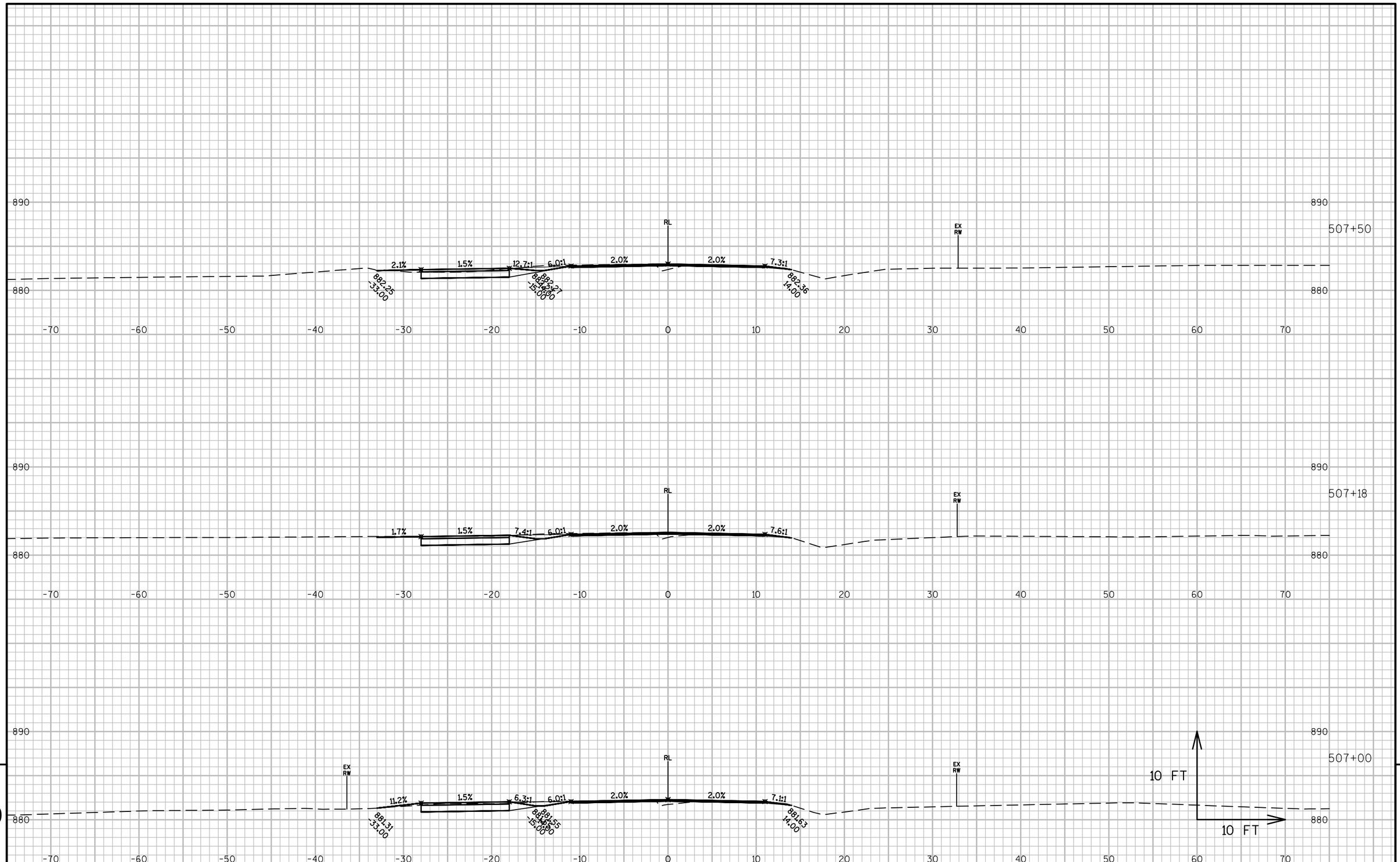


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 454	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (6)

PLOT DATE : 6/6/2017 9:45 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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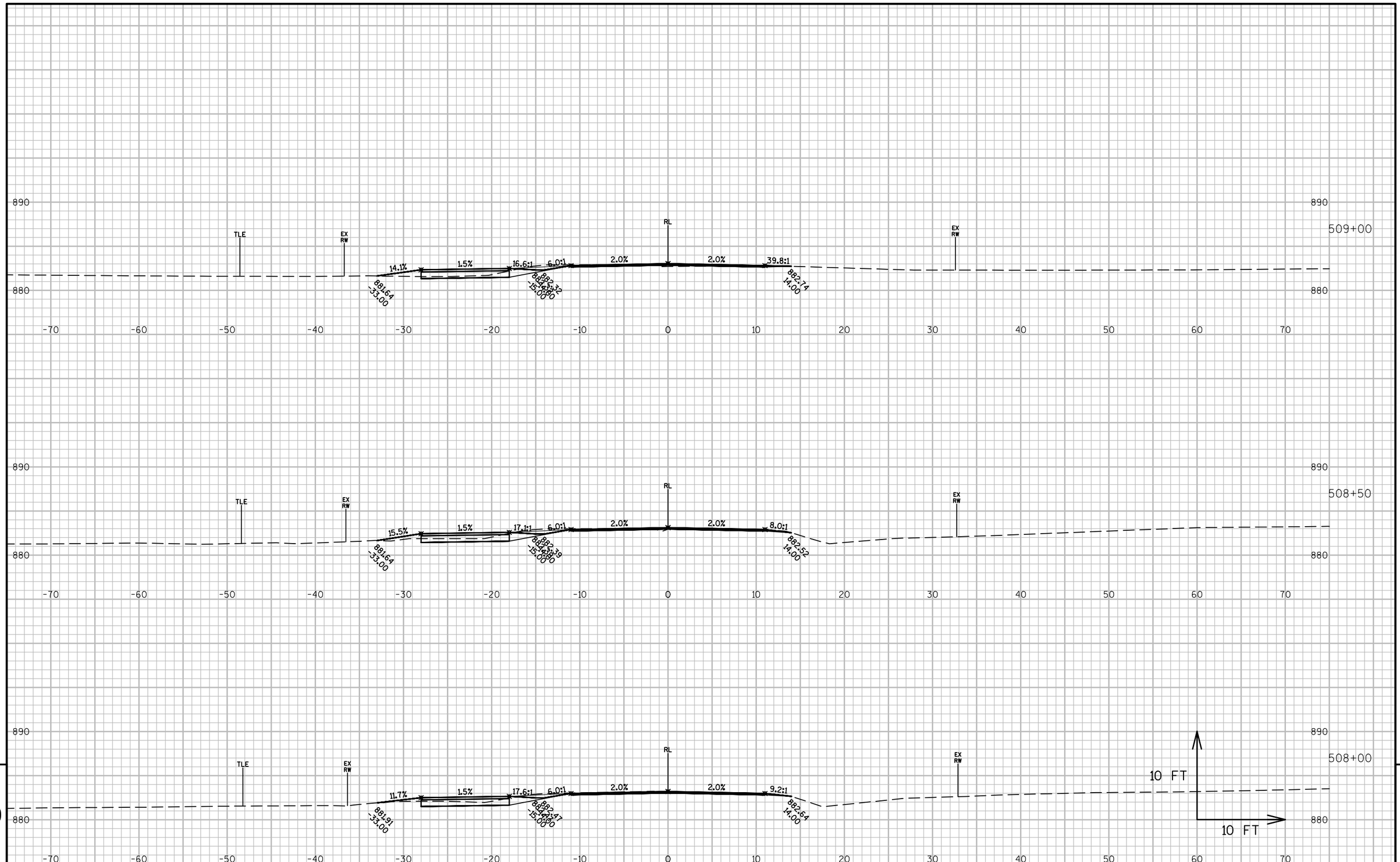
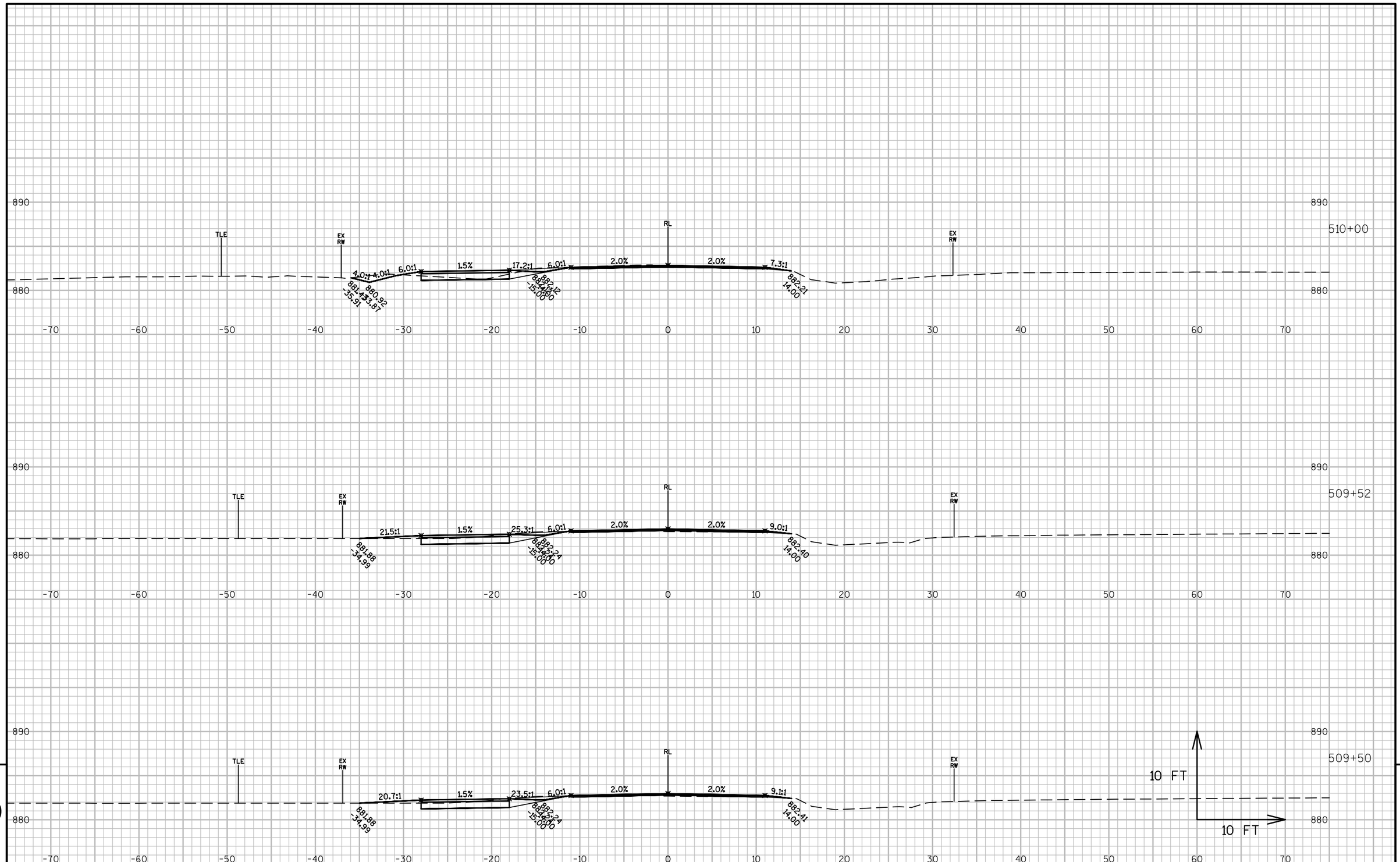
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 455	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (7)

PLOT DATE : 6/6/2017 9:45 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 456	E



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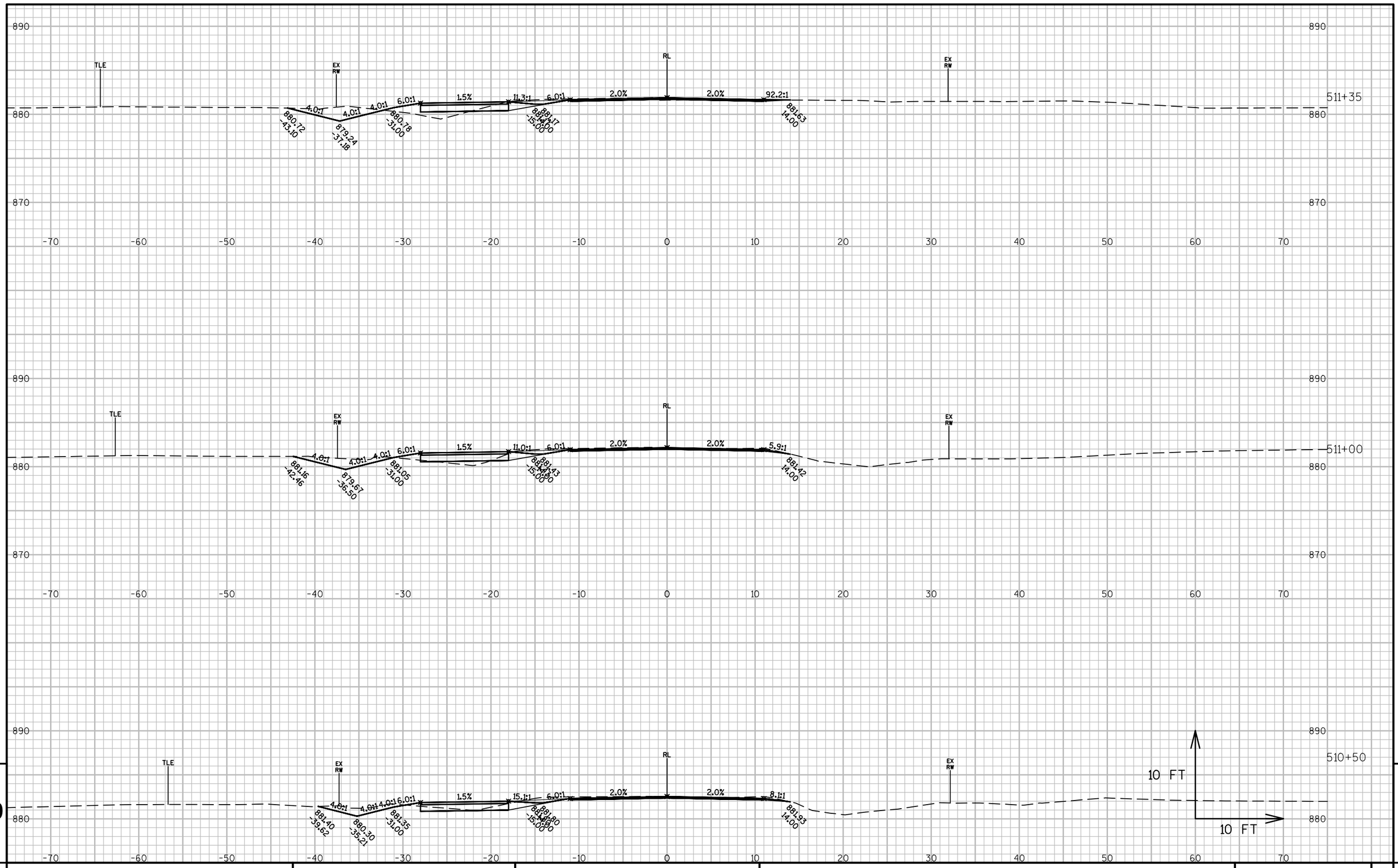
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 457	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (9)

PLOT DATE : 6/6/2017 9:46 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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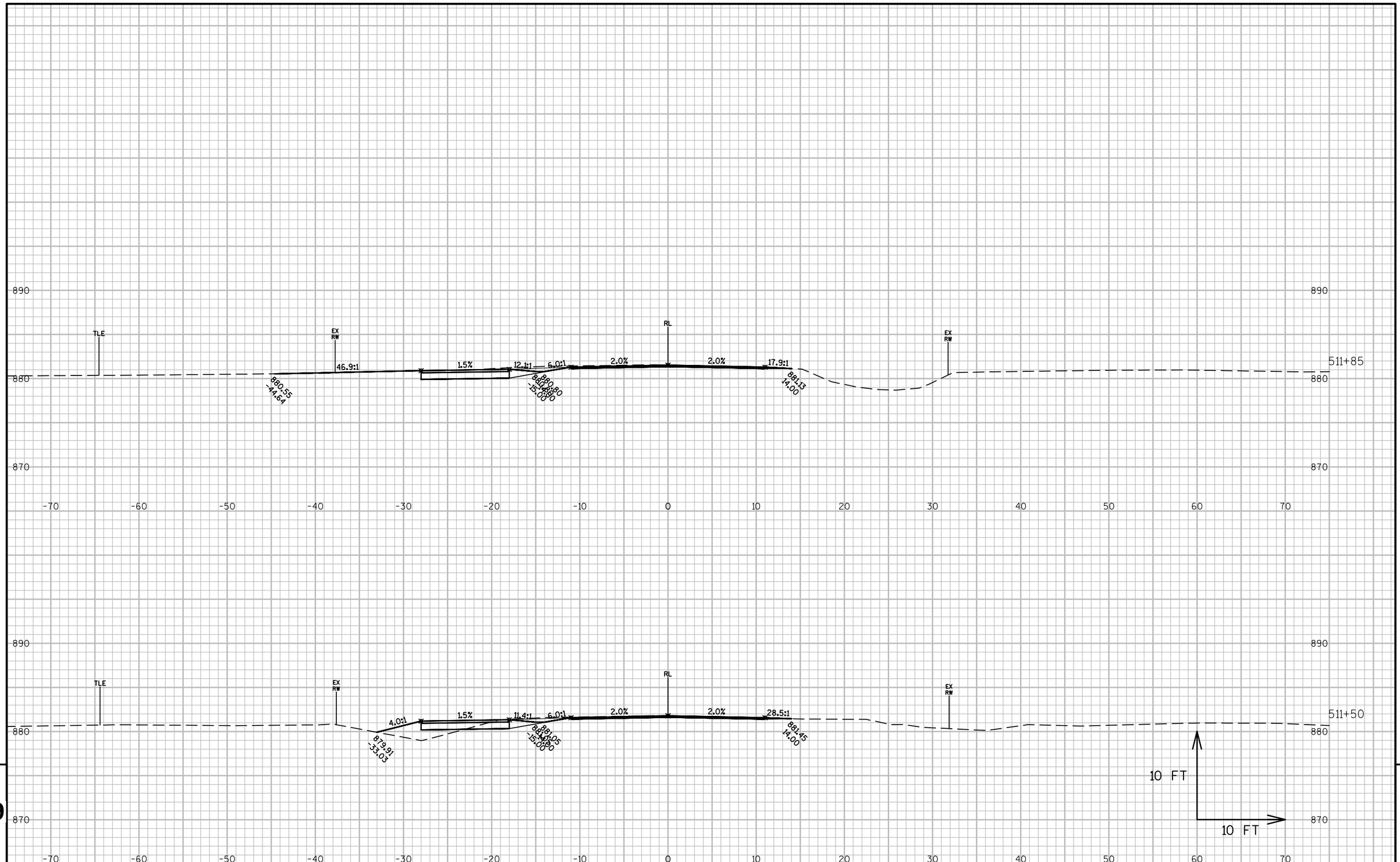
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 458	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (10)

PLOT DATE : 6/6/2017 9:46 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

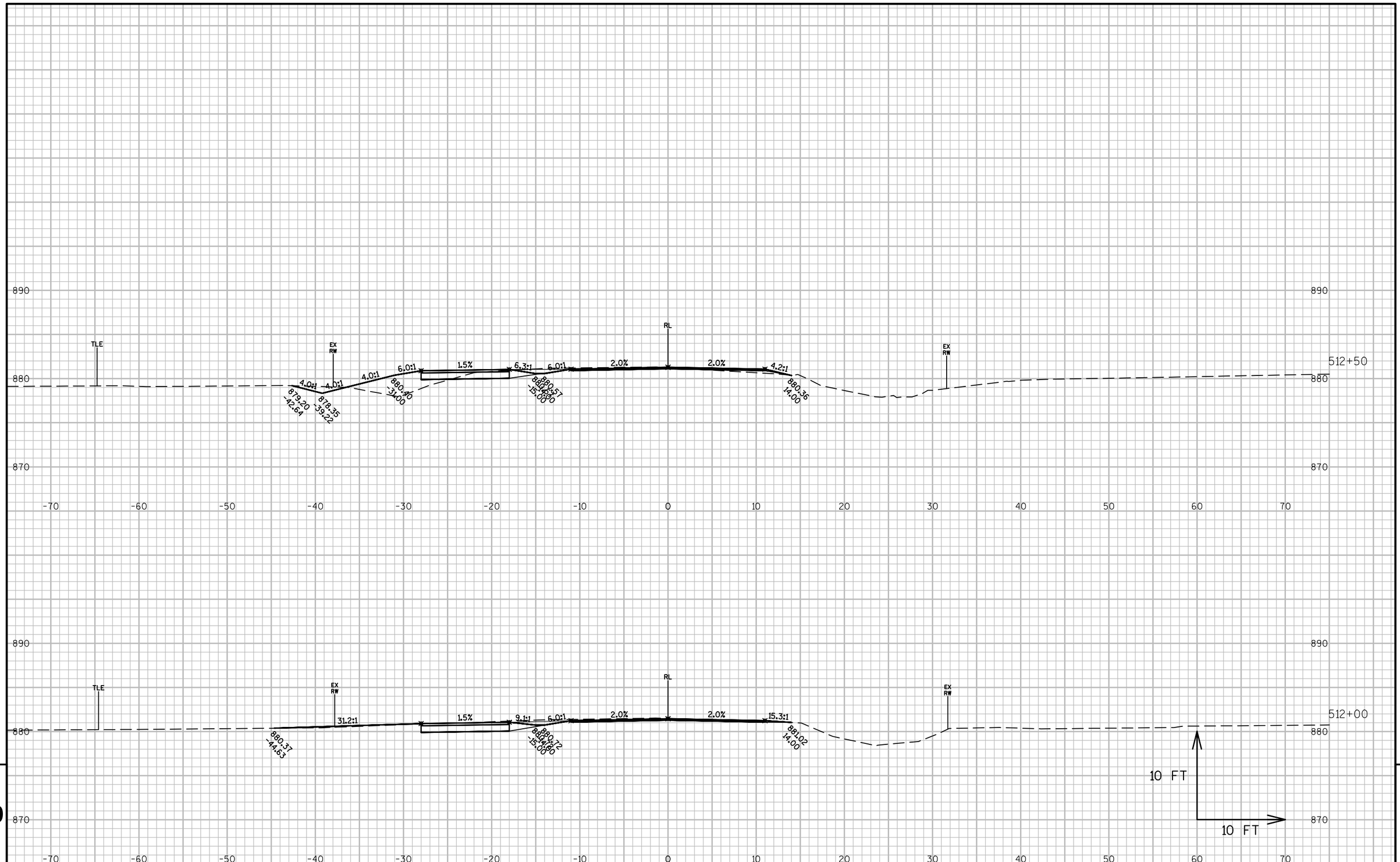


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 459	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (11)

PLOT DATE : 6/6/2017 9:47 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

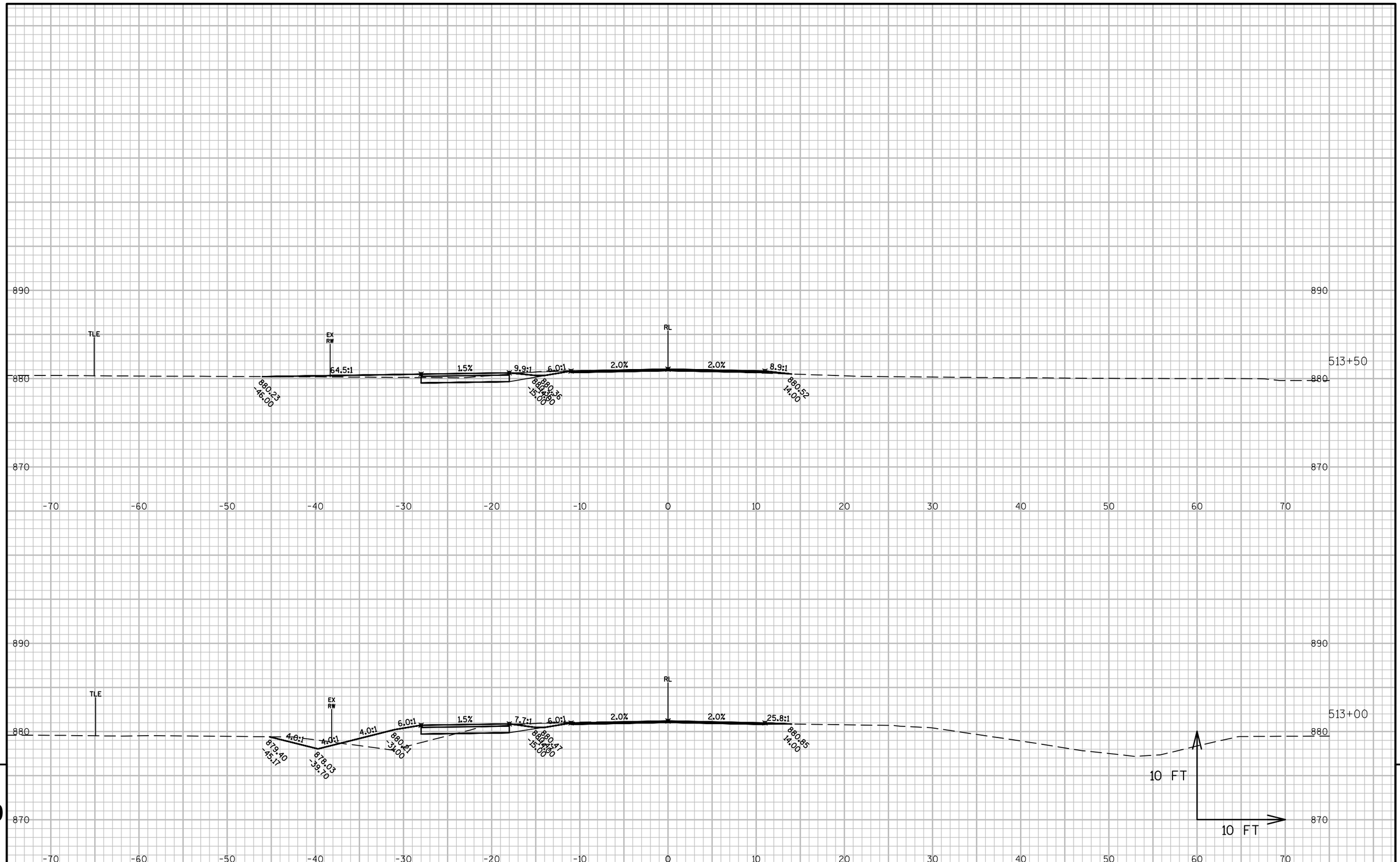


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 460	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (12)

PLOT DATE : 6/6/2017 9:47 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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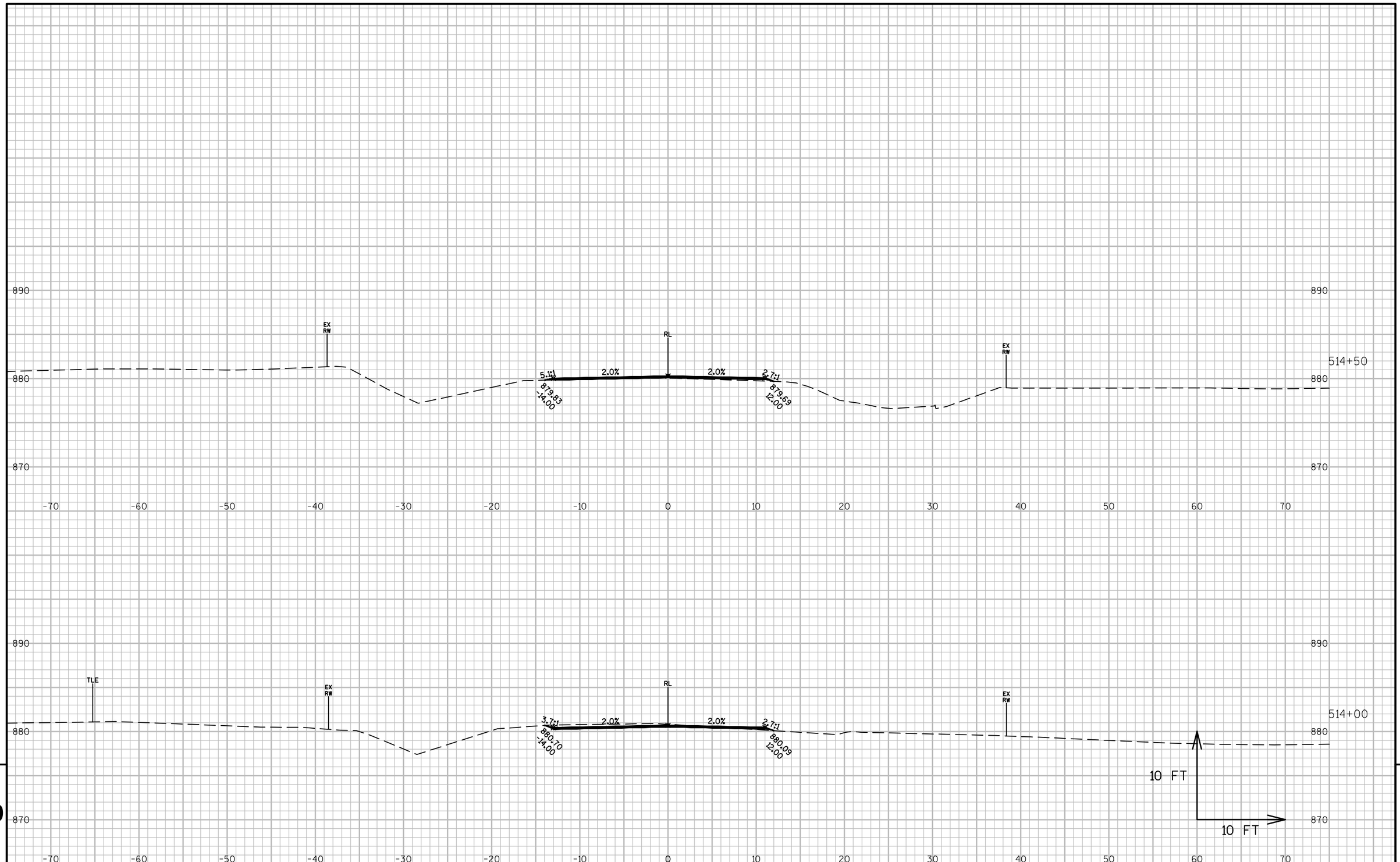
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 461	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (13)

PLOT DATE : 6/6/2017 9:47 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

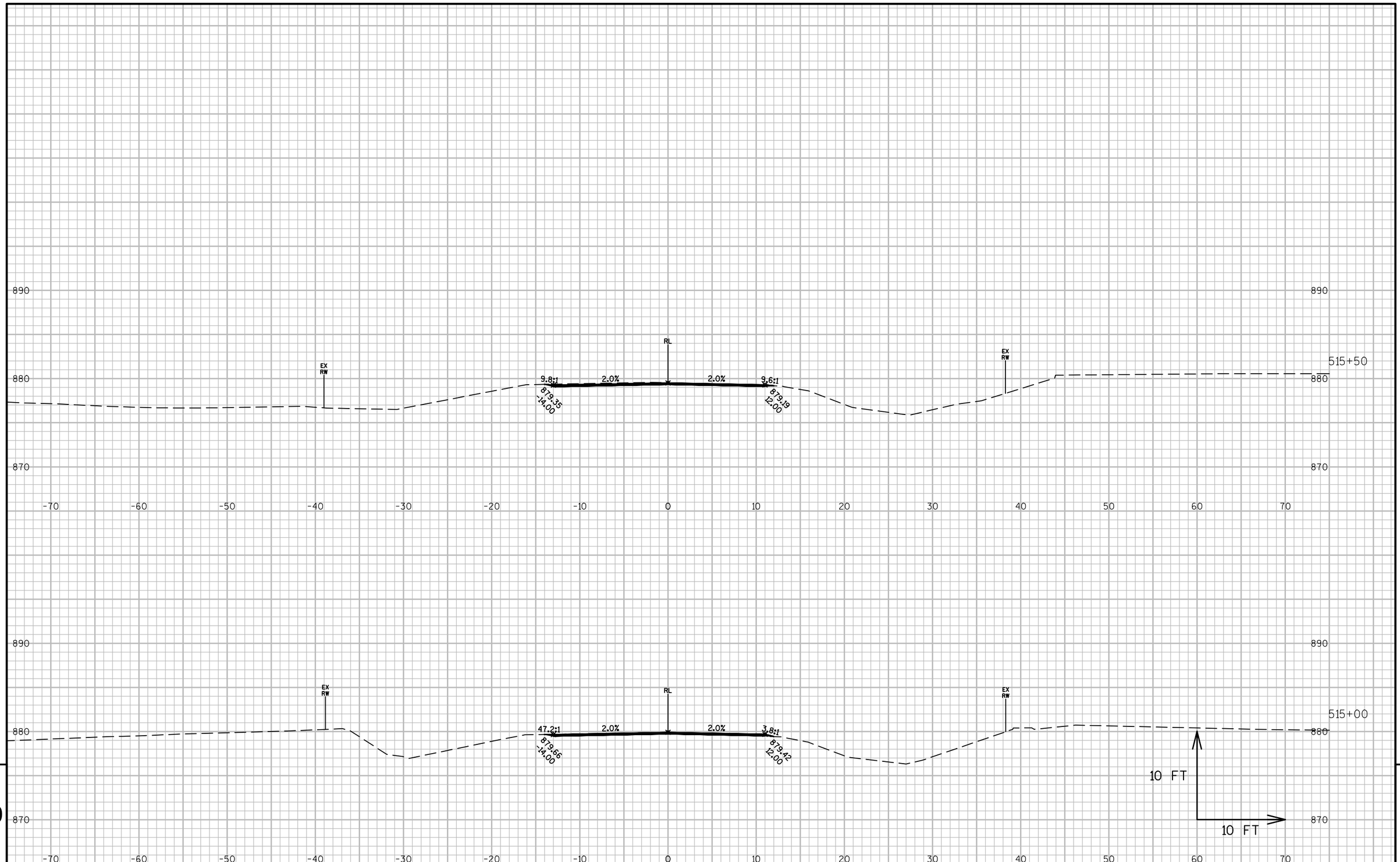


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 462 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (14)

PLOT DATE : 6/6/2017 9:48 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

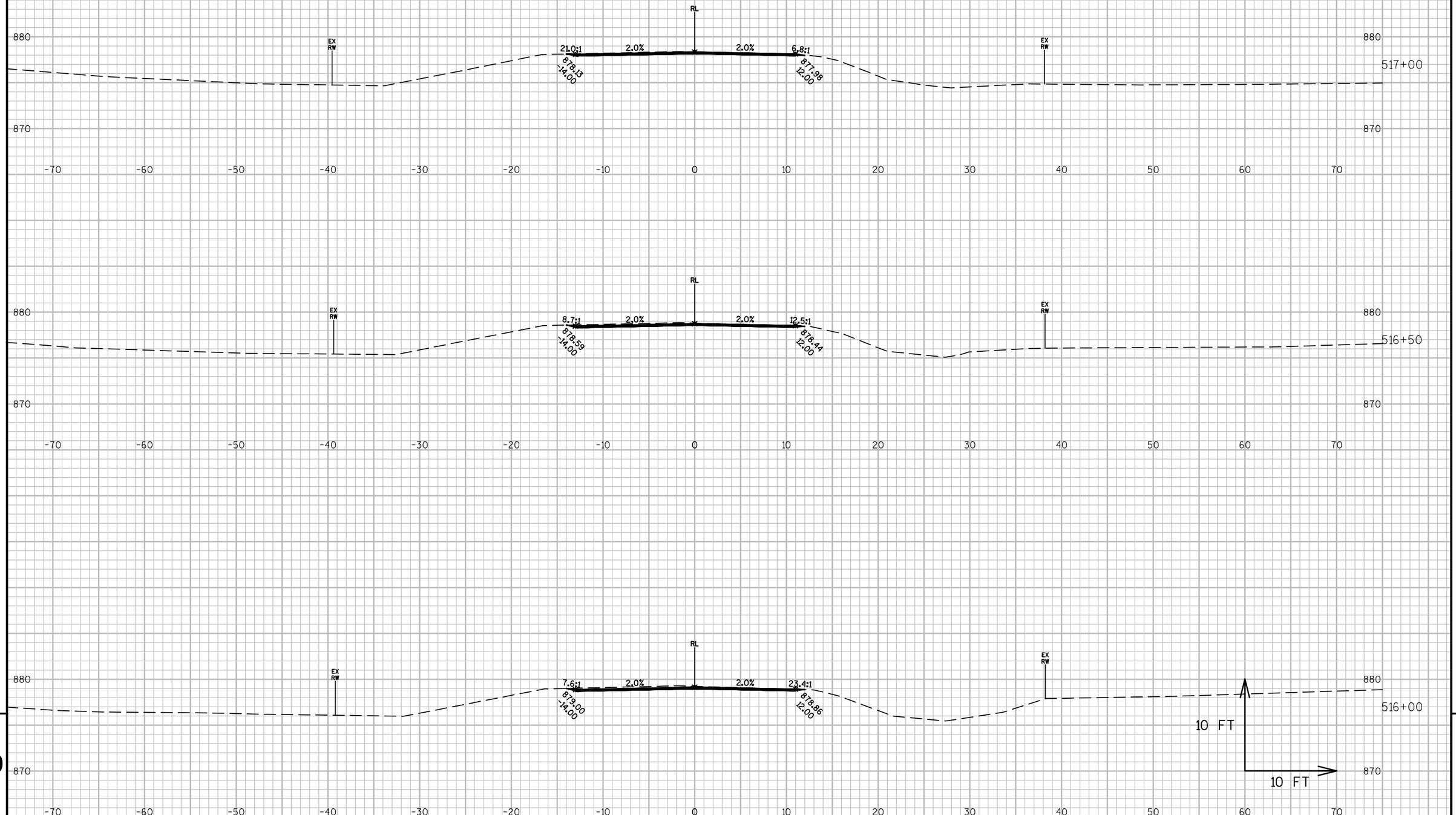


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 463 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (15)

PLOT DATE : 6/6/2017 9:48 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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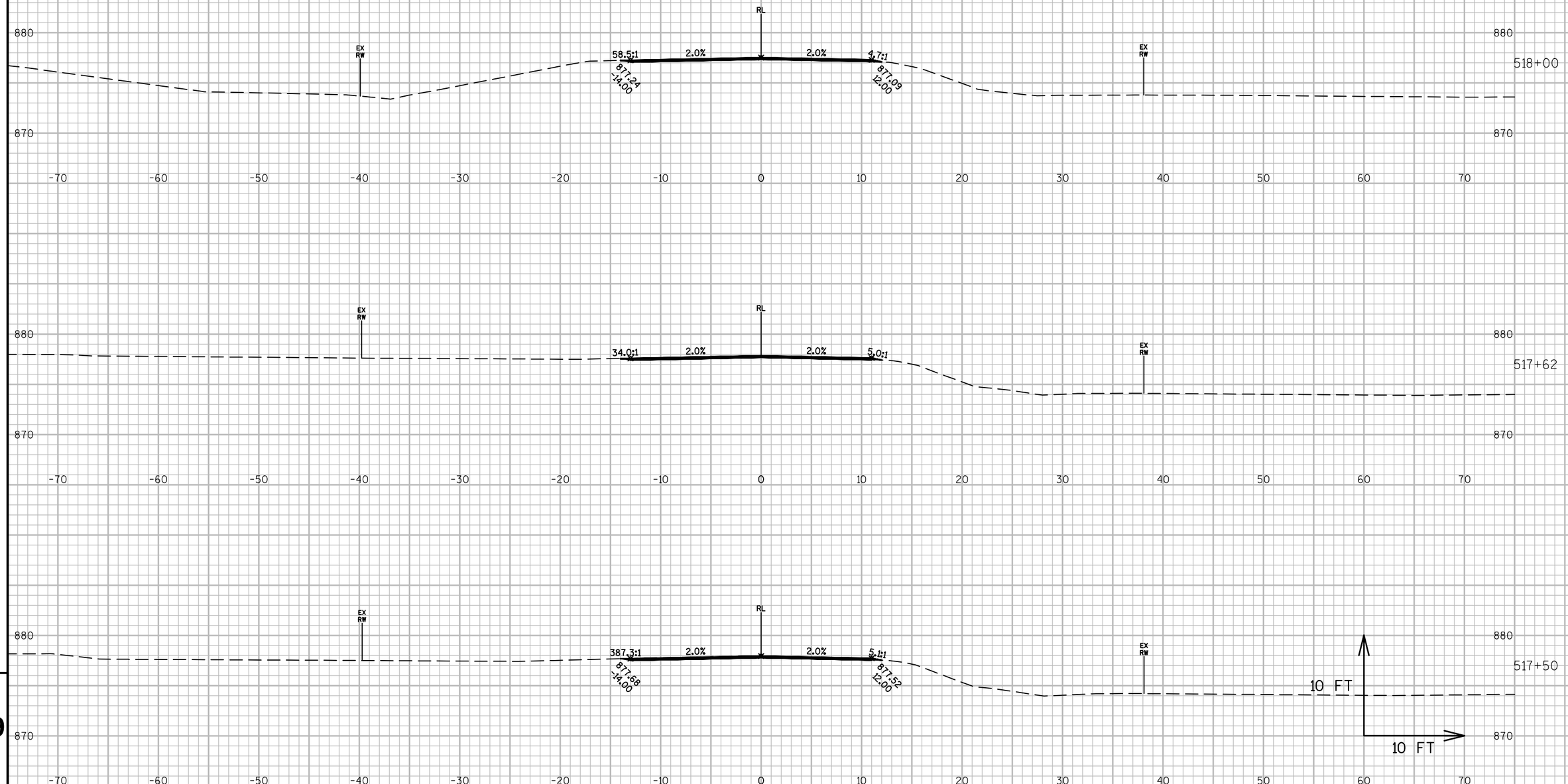
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 464	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (16)

PLOT DATE : 6/6/2017 9:48 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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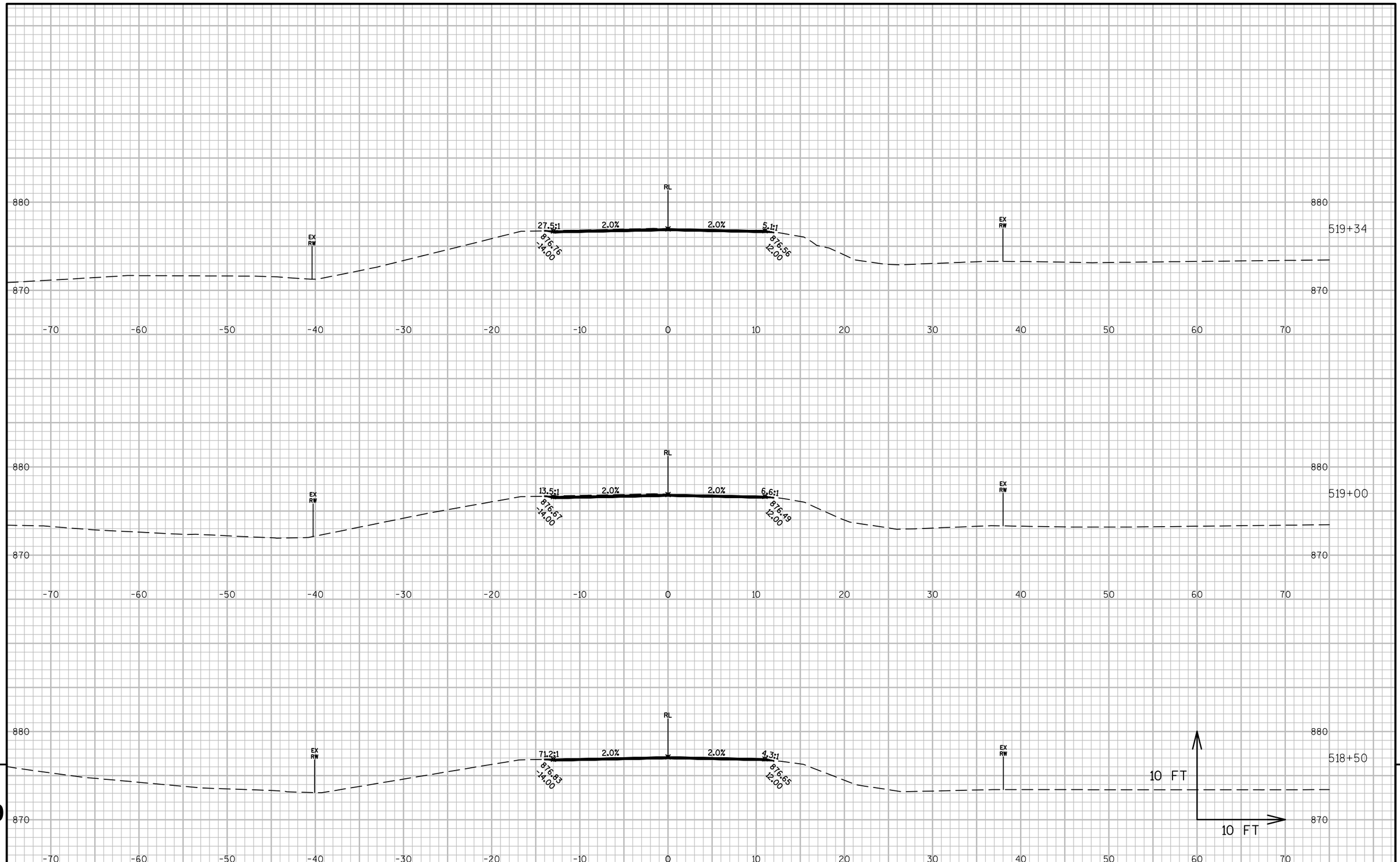
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 465	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 6/6/2017 9:49 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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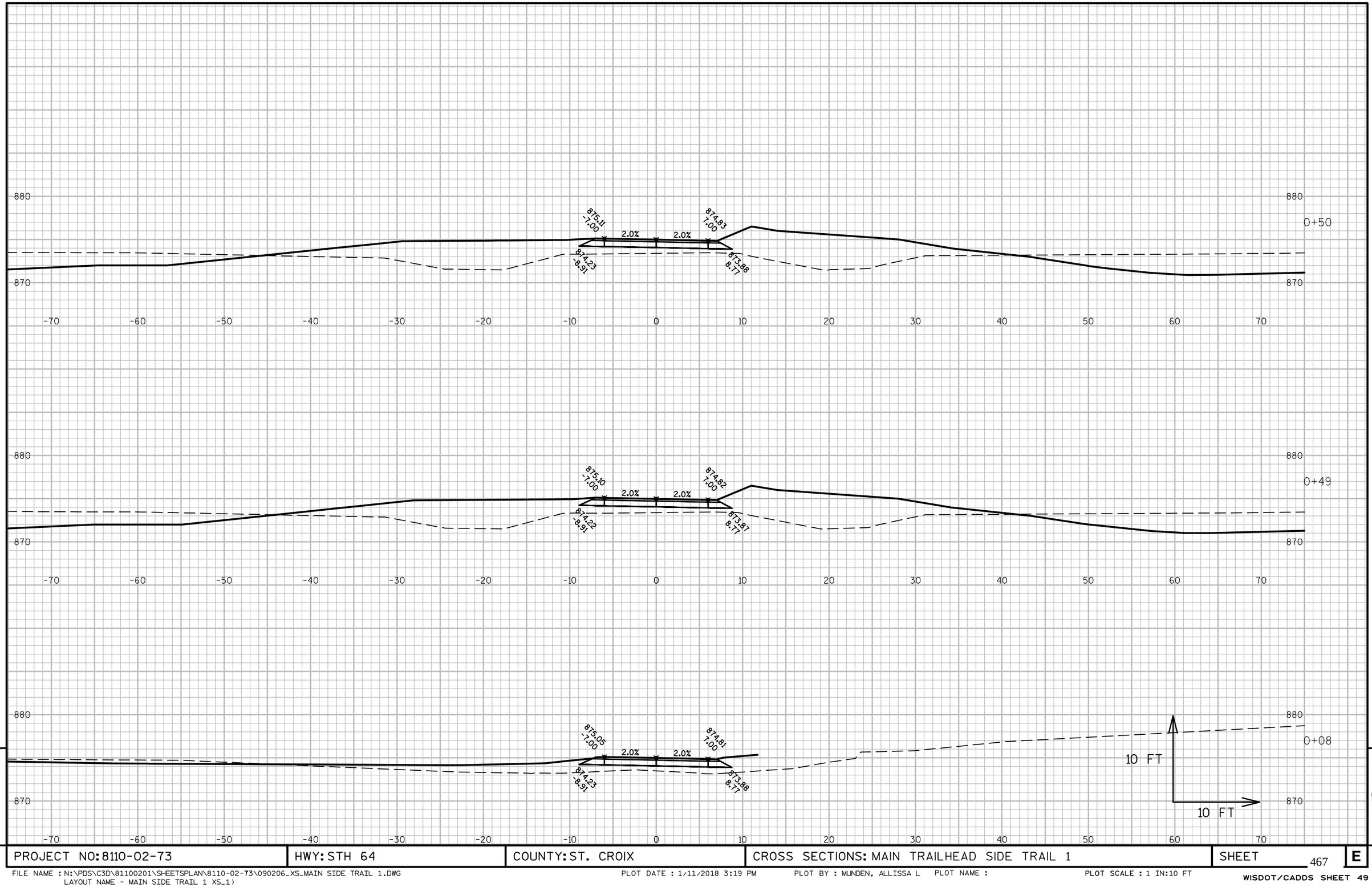
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HOULTON SCHOOL CIRCLE	SHEET 466	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090202_XS_HOUGHTON SCHOOL CIRCLE.DWG
LAYOUT NAME - SECTION SHEET - (18)

PLOT DATE : 6/6/2017 9:49 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

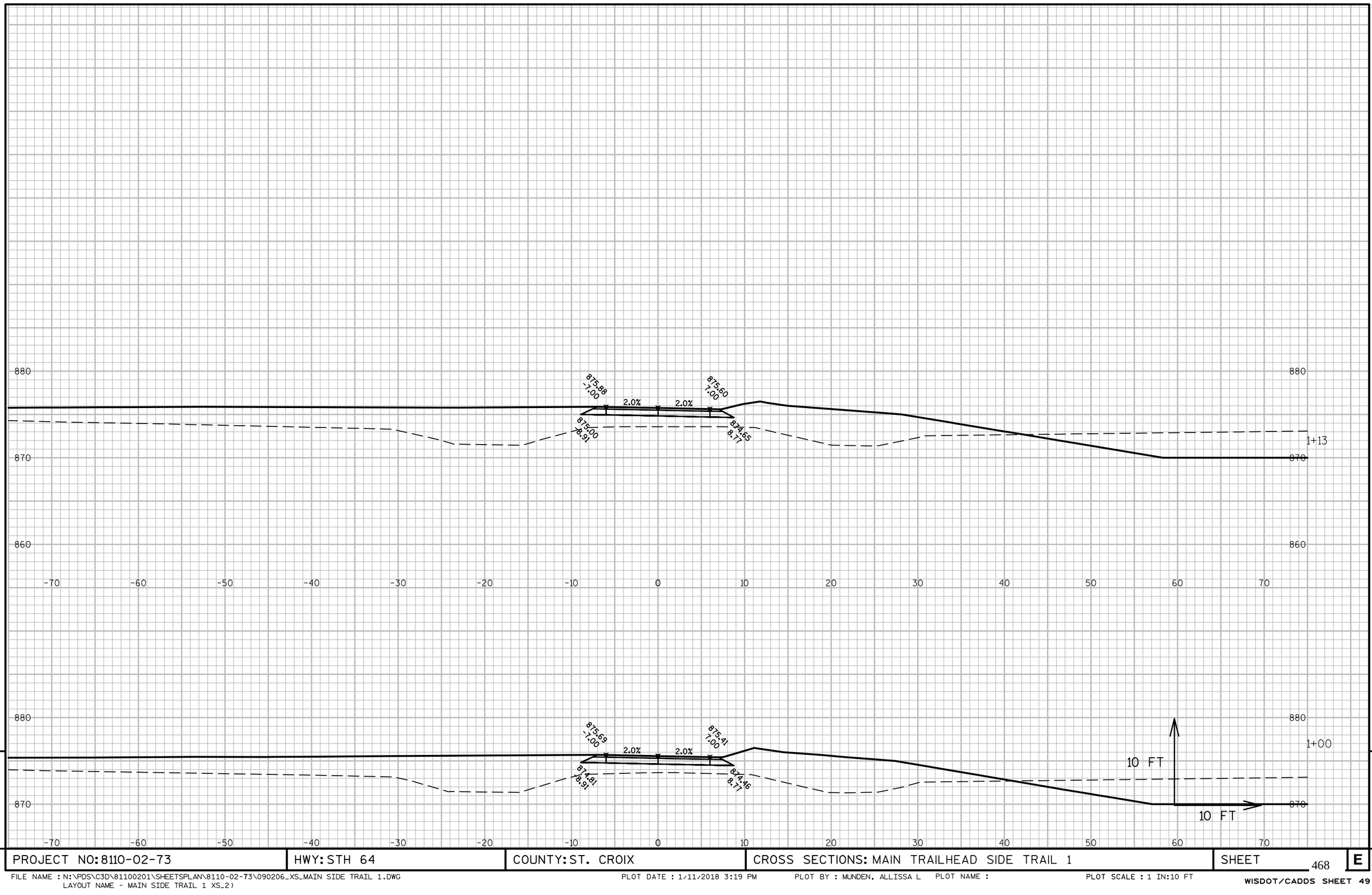


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SIDE TRAIL 1	SHEET 467	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_MAIN SIDE TRAIL 1.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:19 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

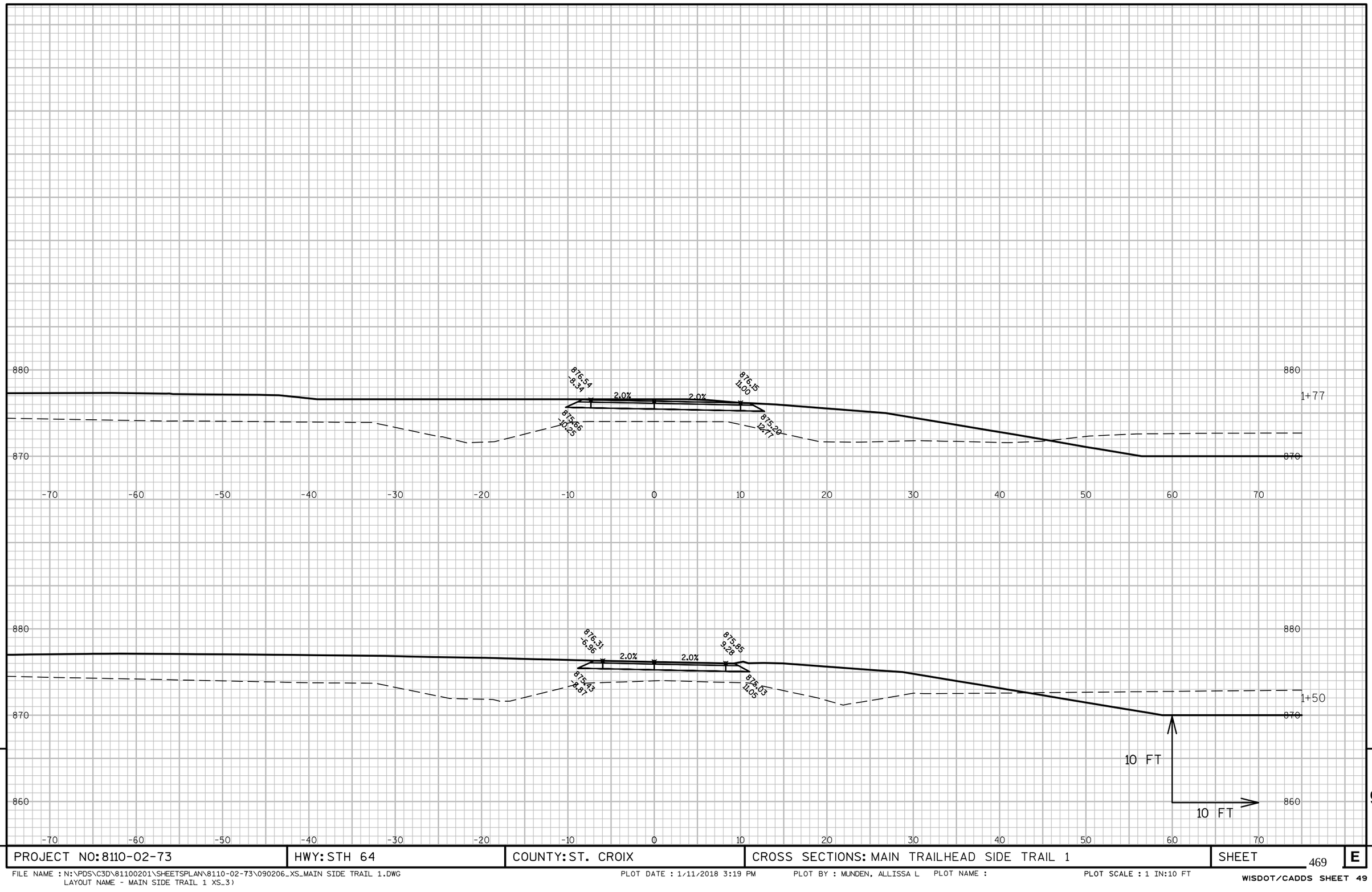


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SIDE TRAIL 1	SHEET 468	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_MAIN SIDE TRAIL 1.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_2)

PLOT DATE : 1/11/2018 3:19 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

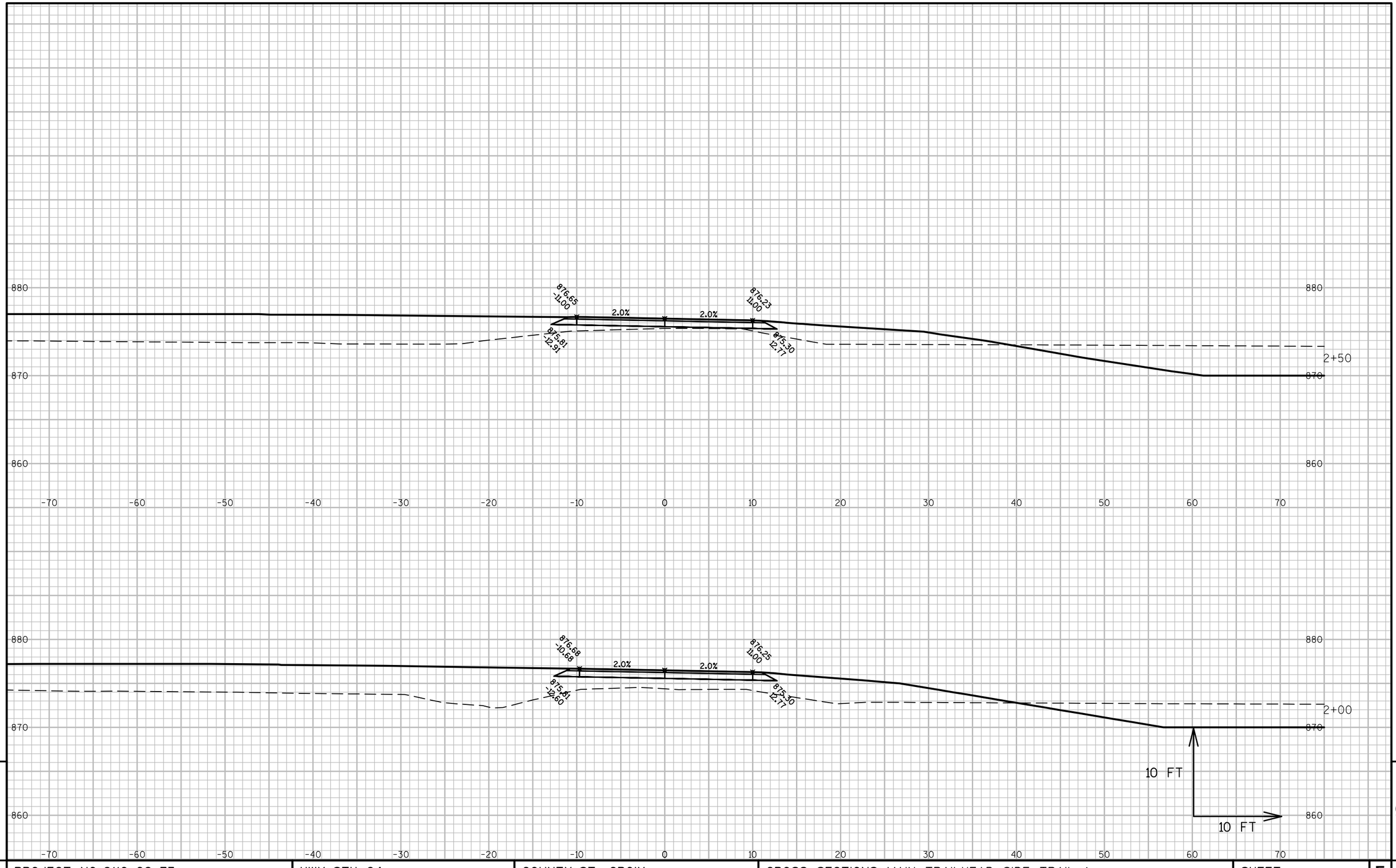


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SIDE TRAIL 1	SHEET 469	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_MAIN SIDE TRAIL 1.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_3)

PLOT DATE : 1/11/2018 3:19 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SIDE TRAIL 1	SHEET 470	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_MAIN SIDE TRAIL 1.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_4)

PLOT DATE : 1/11/2018 3:19 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

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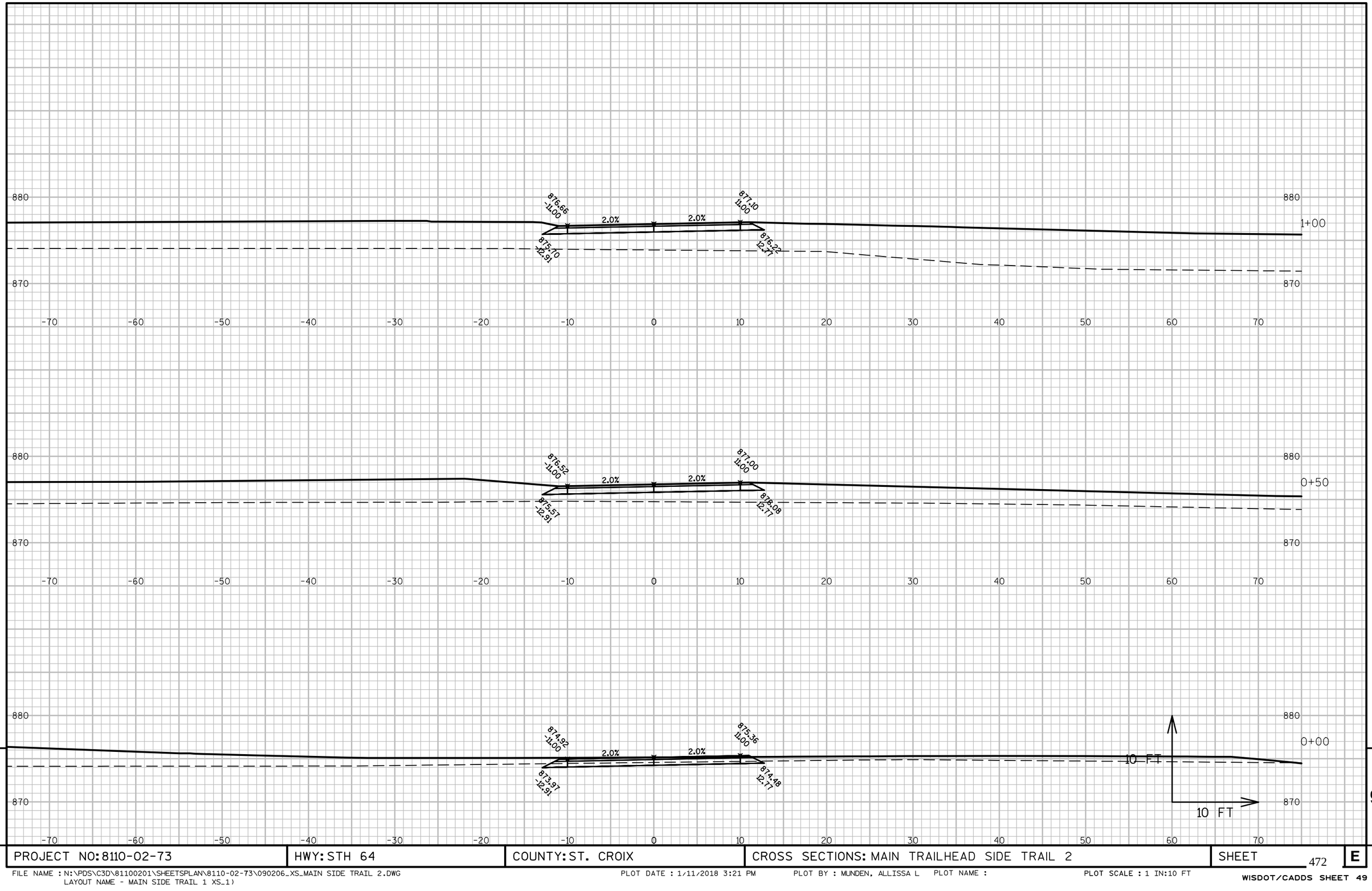
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SIDE TRAIL 1	SHEET 471	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_MAIN SIDE TRAIL 1.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_5)

PLOT DATE : 1/11/2018 3:20 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

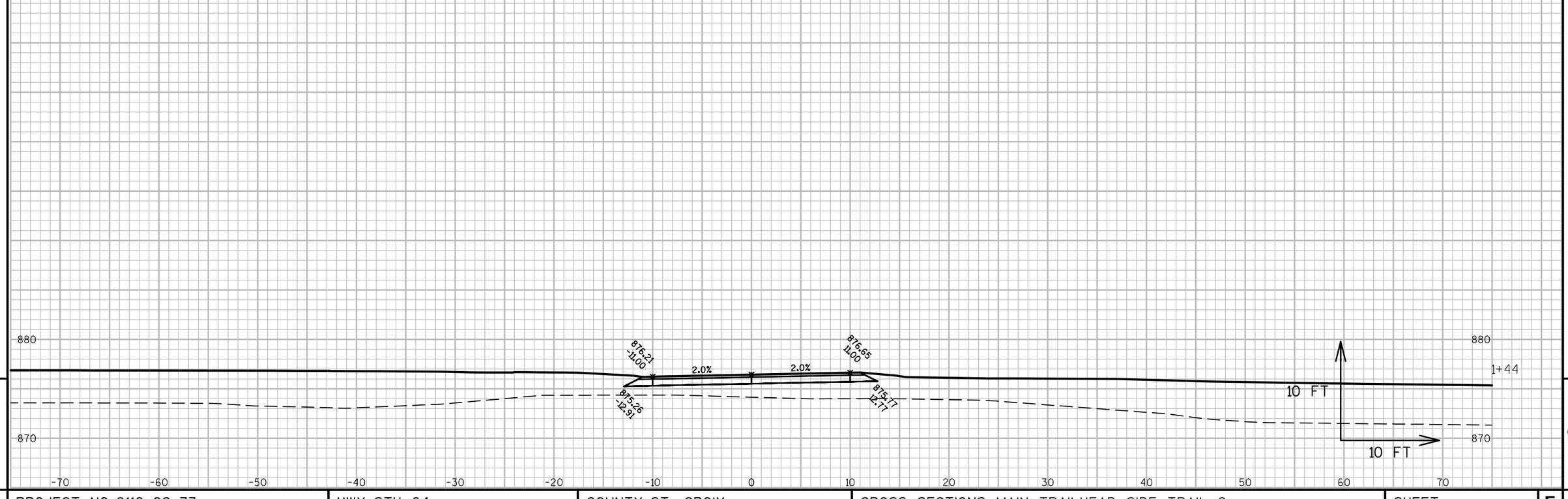


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SIDE TRAIL 2	SHEET 472	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_MAIN SIDE TRAIL 2.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:21 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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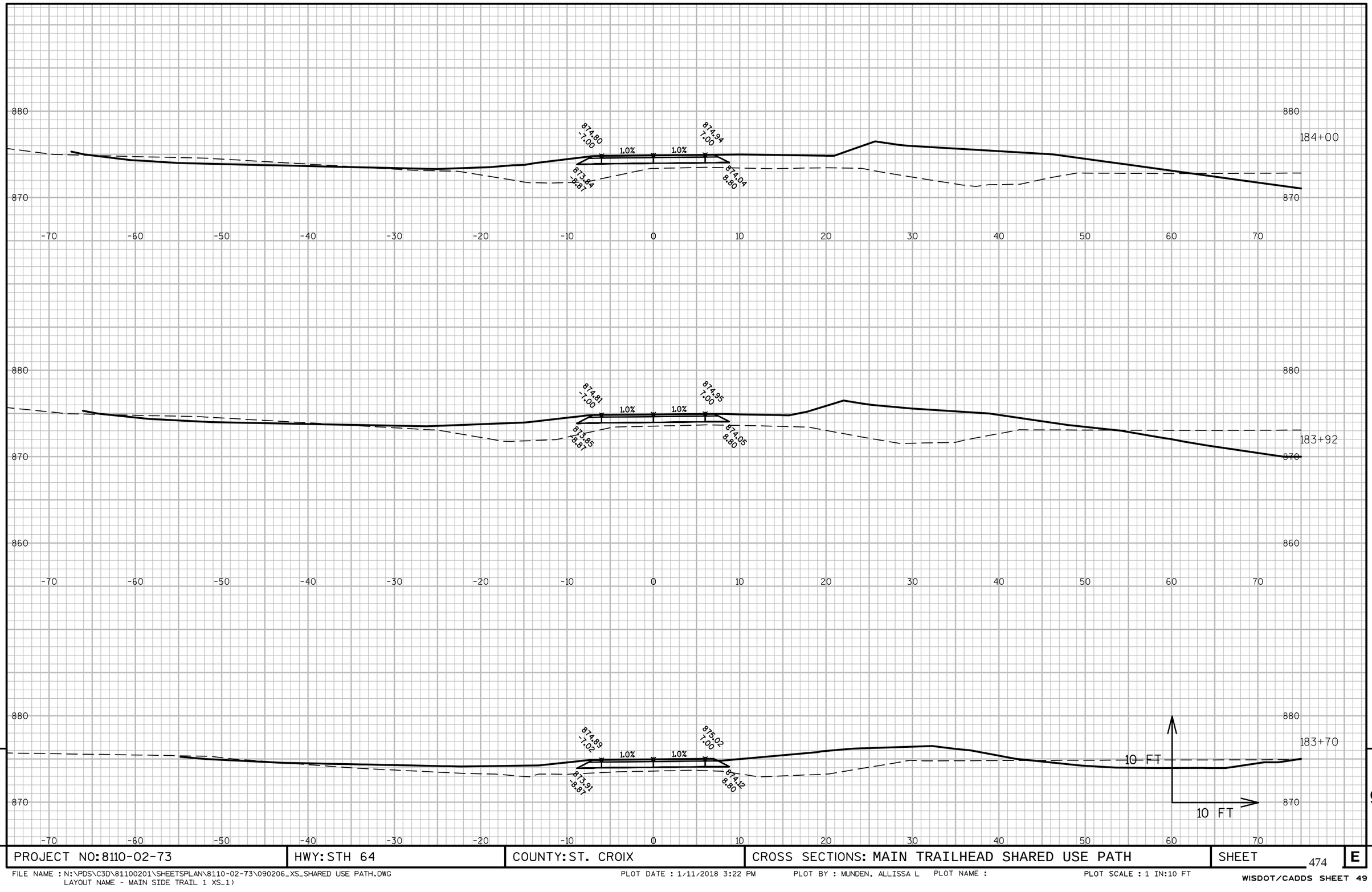
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SIDE TRAIL 2	SHEET 473	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_MAIN SIDE TRAIL 2.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:21 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT



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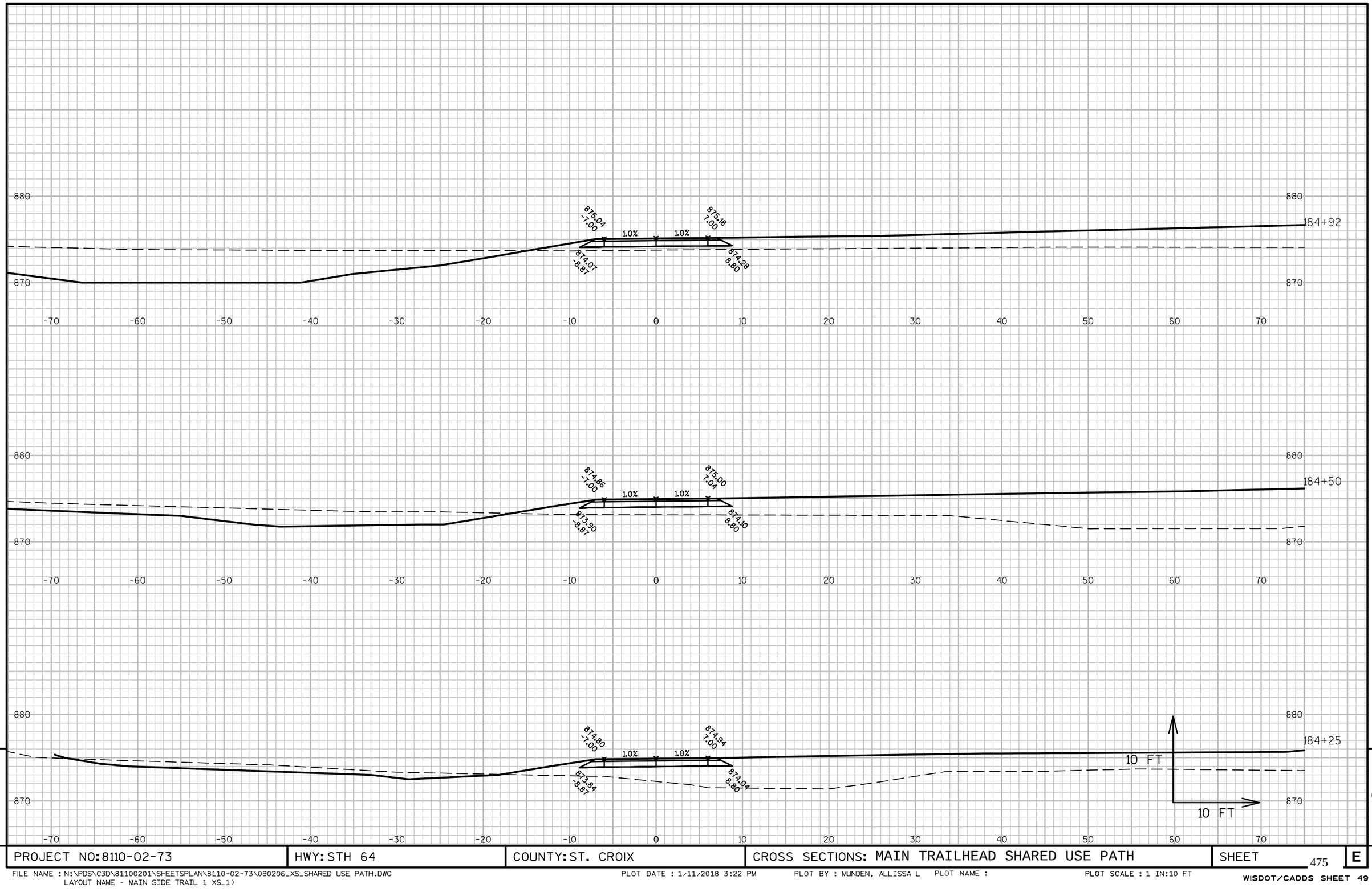
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 474	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:22 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

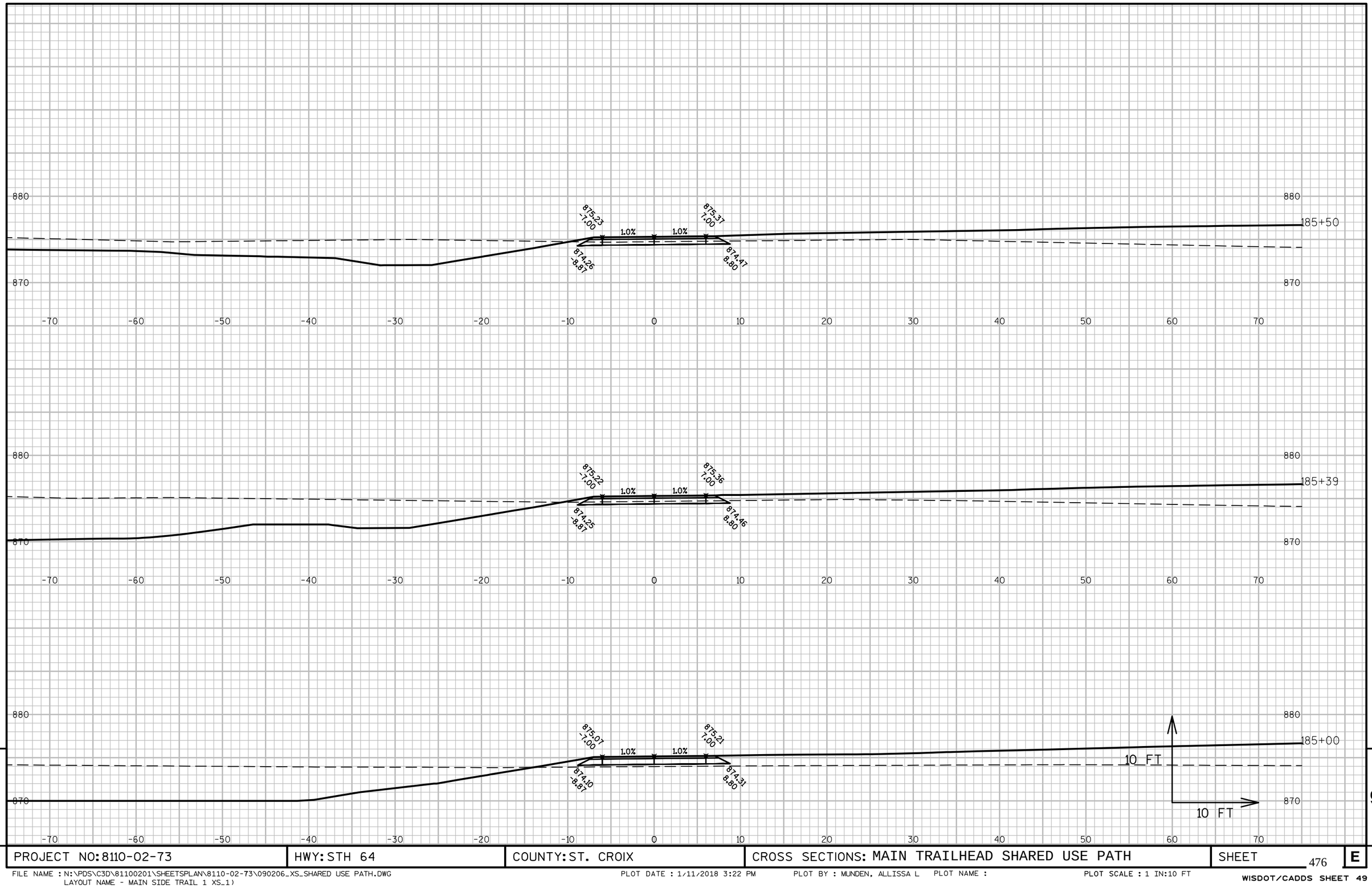


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 475	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:22 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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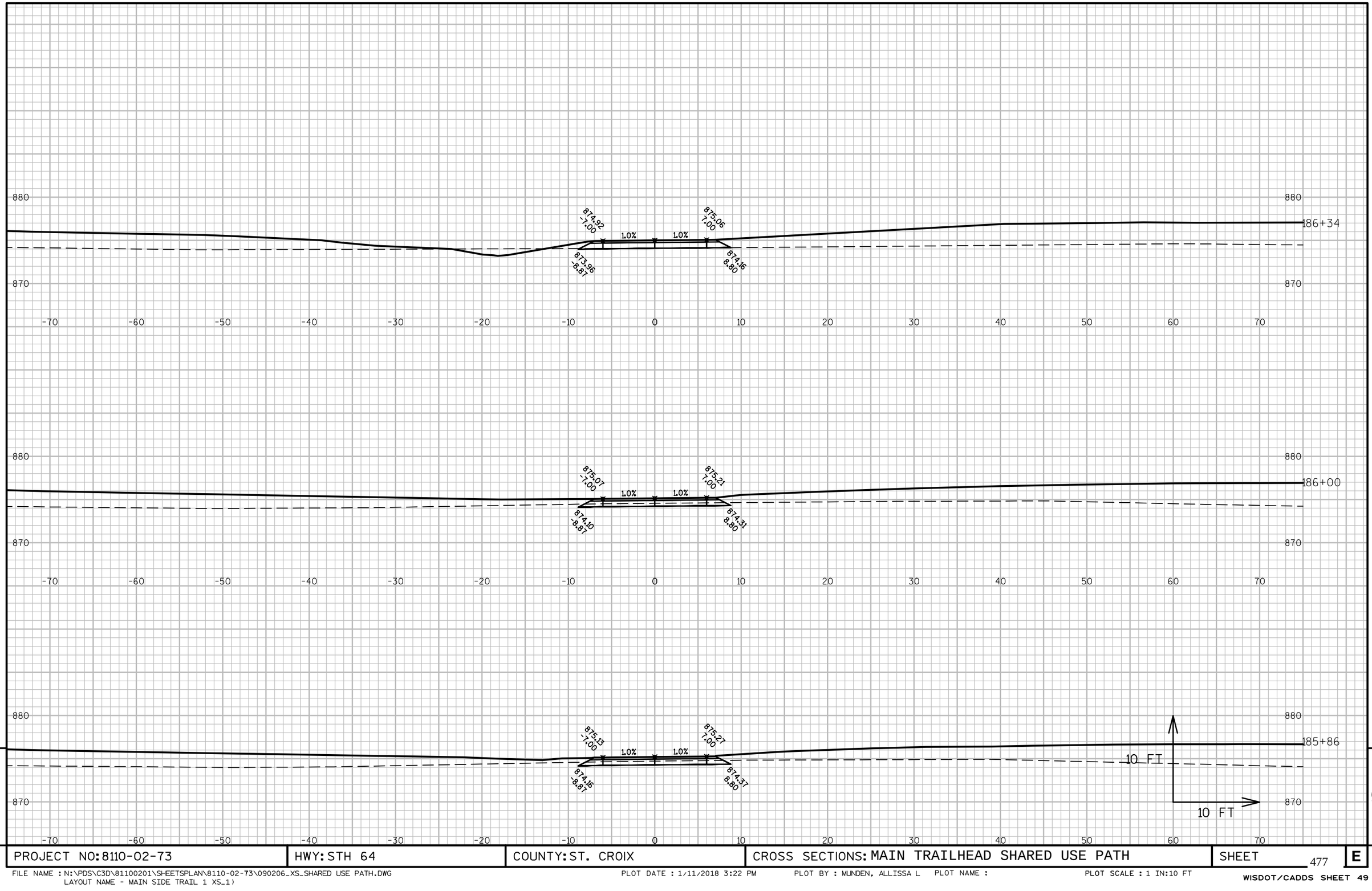
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 476	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:22 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

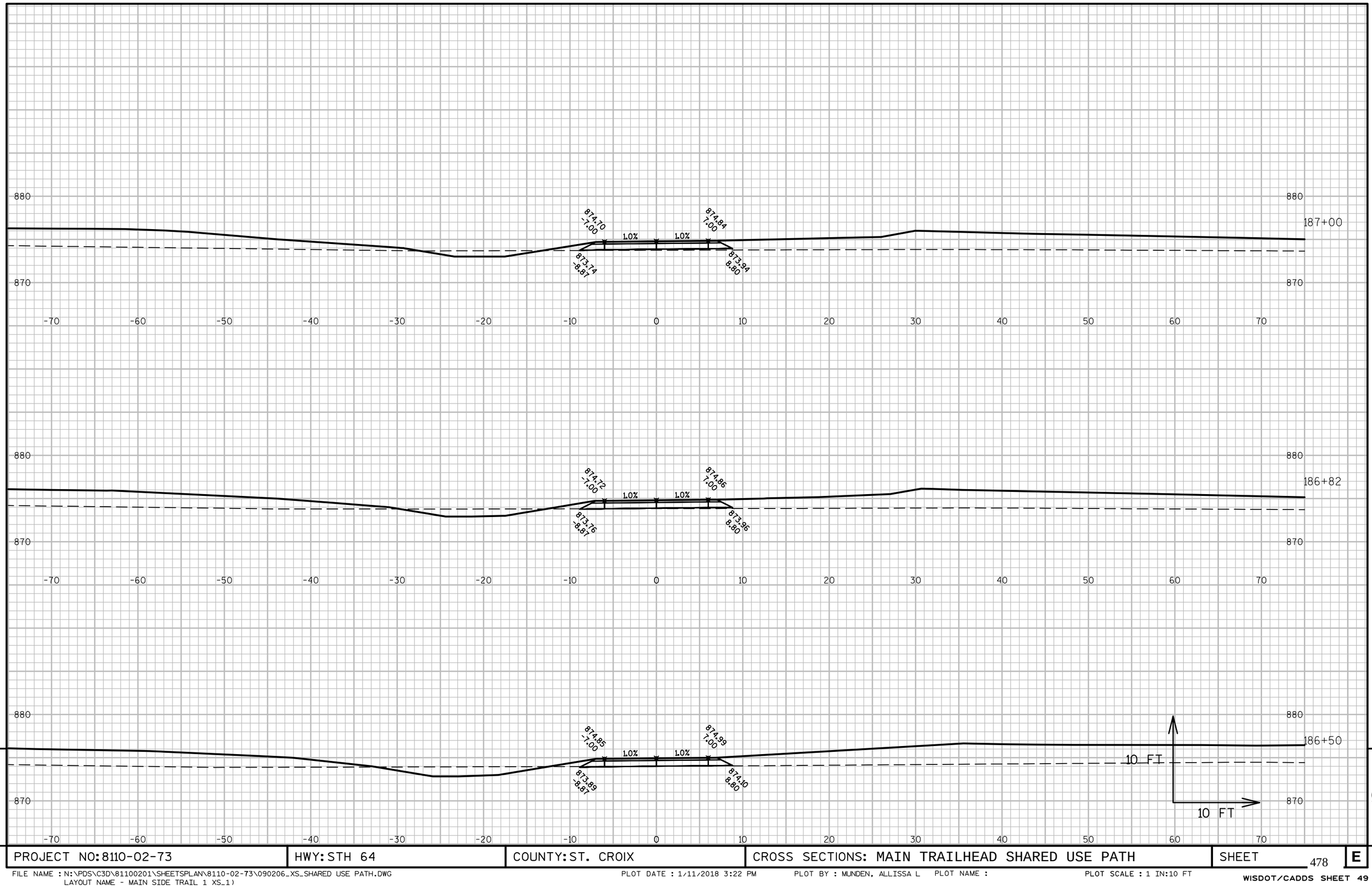


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 477	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:22 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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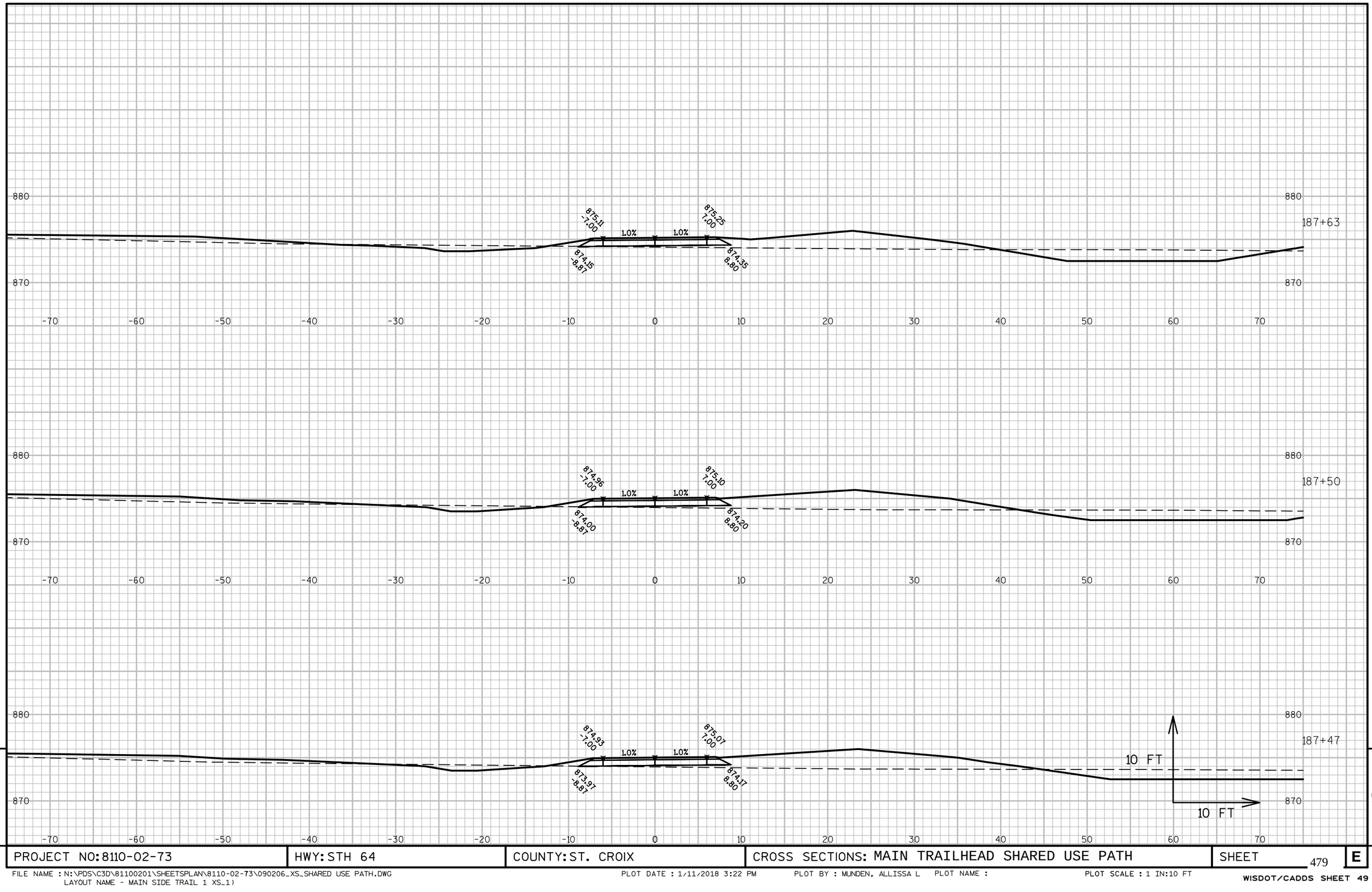
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 478	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:22 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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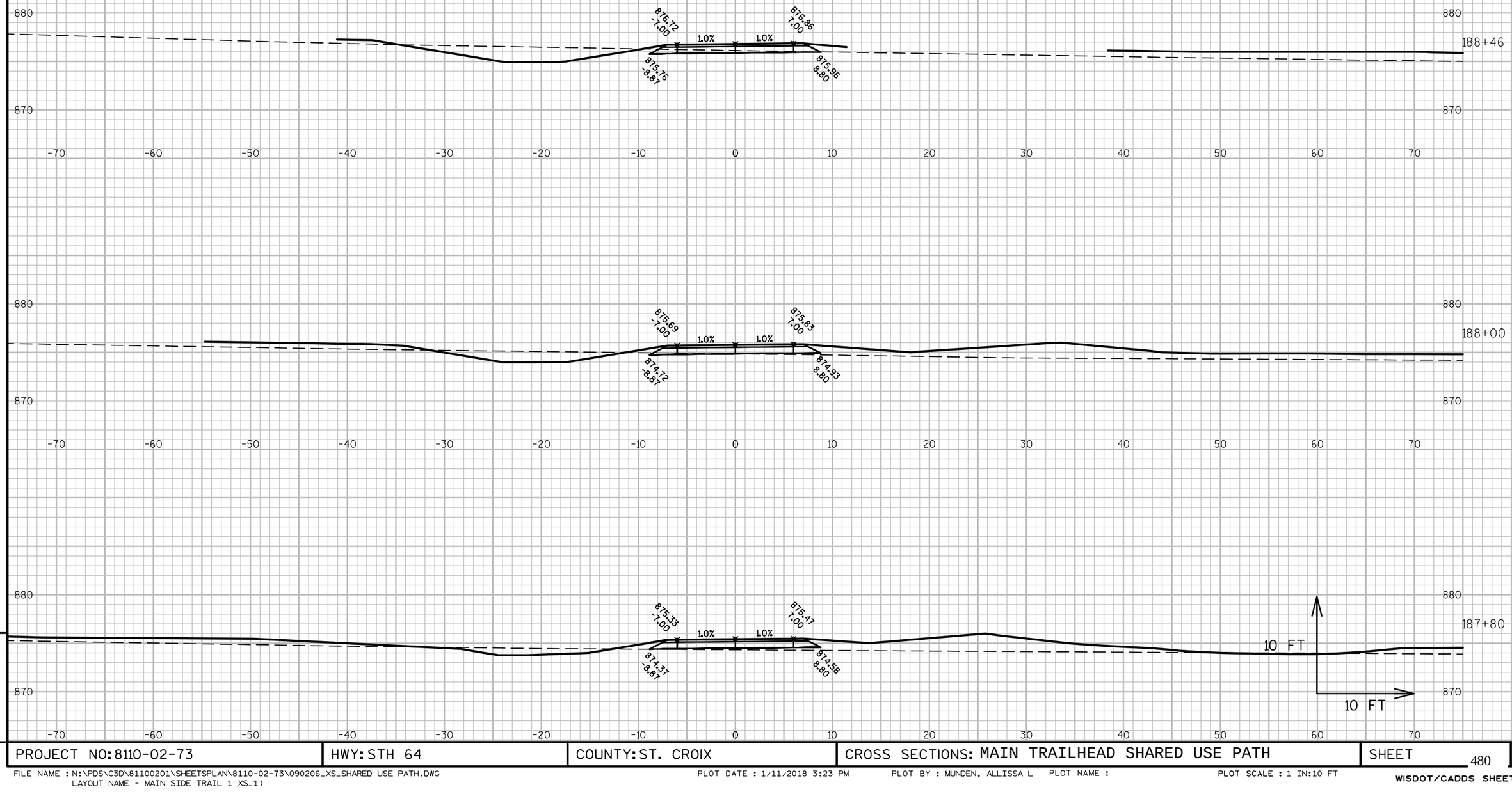
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 479	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:22 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT



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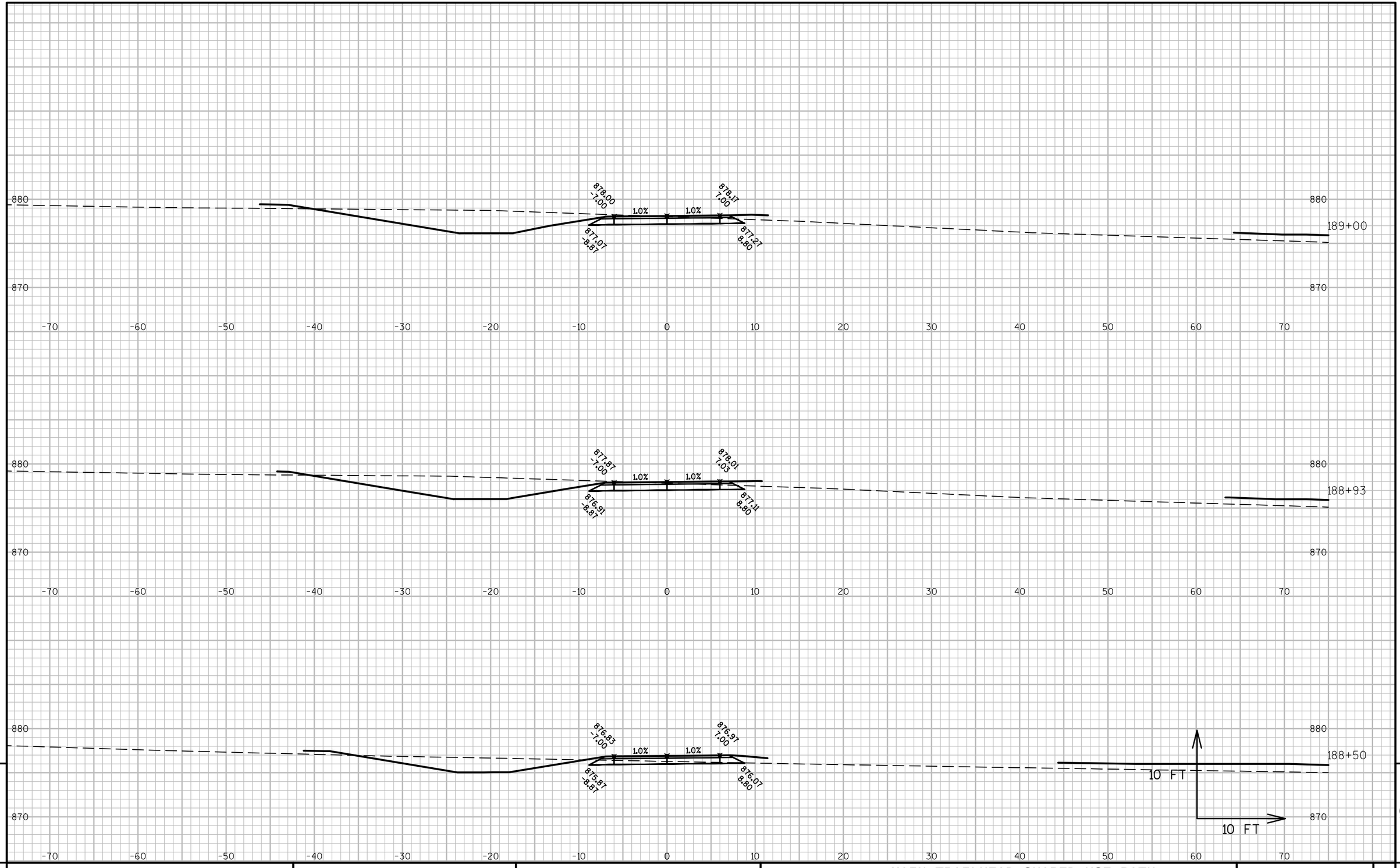
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 480	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:23 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

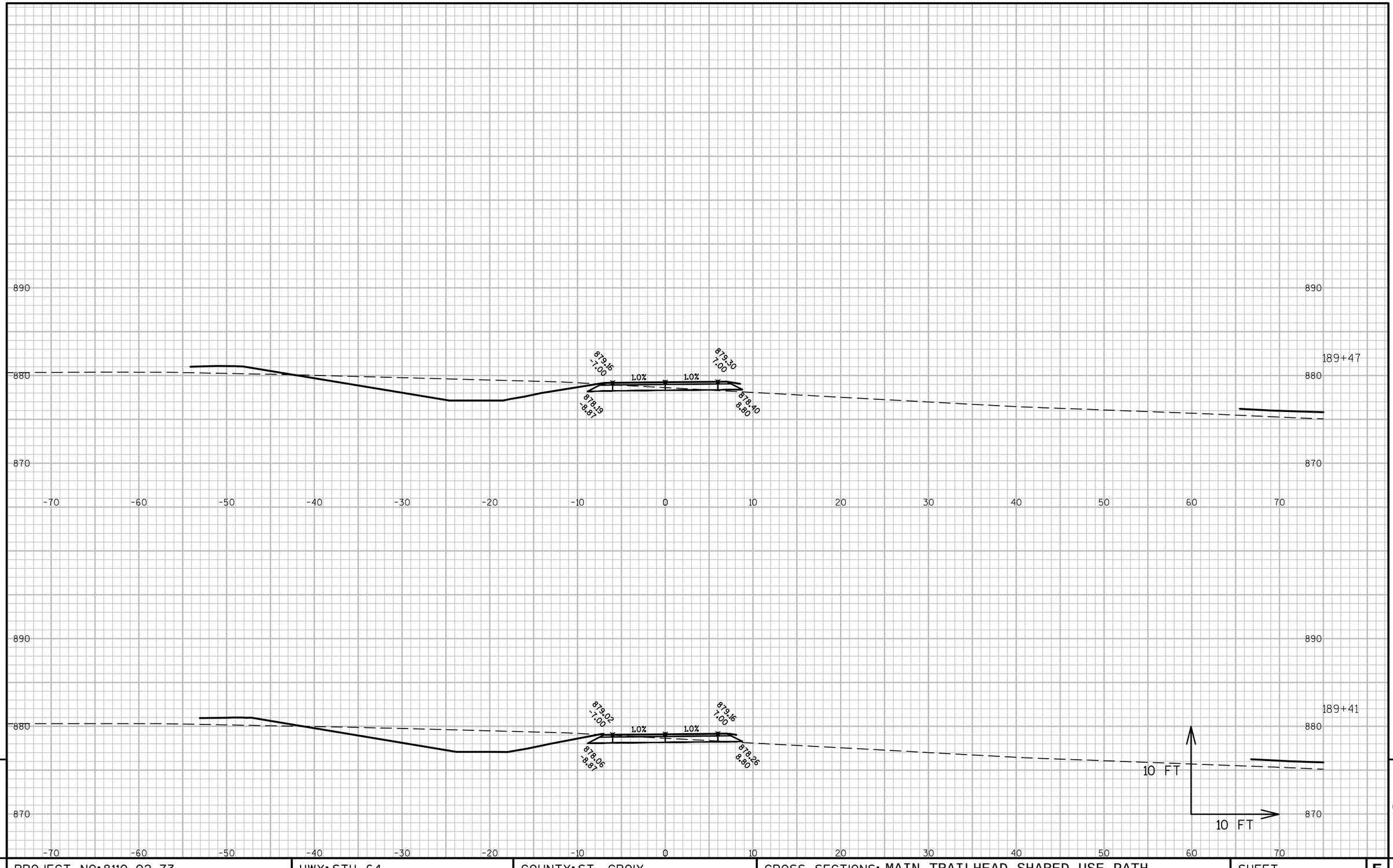


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 481	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:23 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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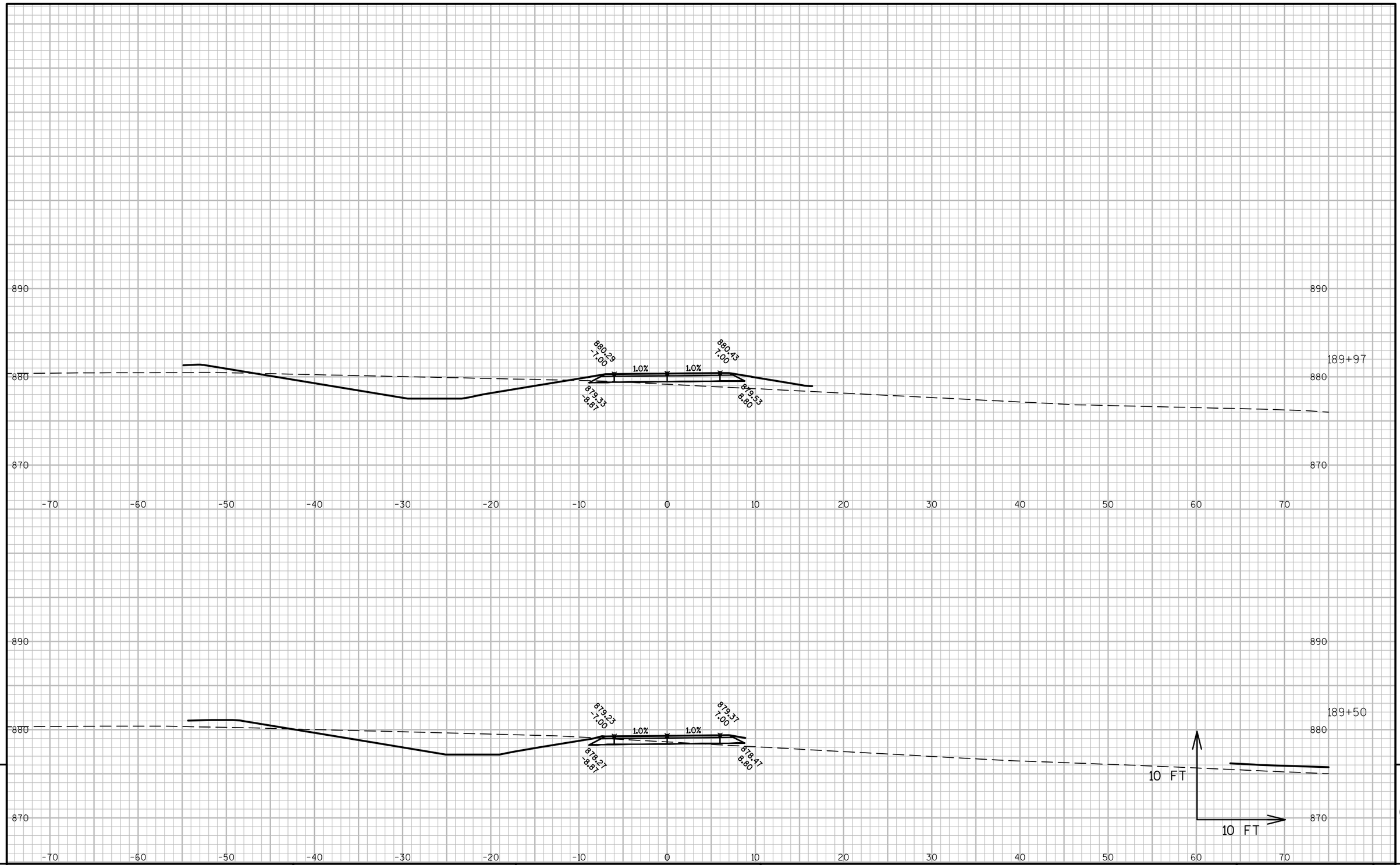
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 482	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:23 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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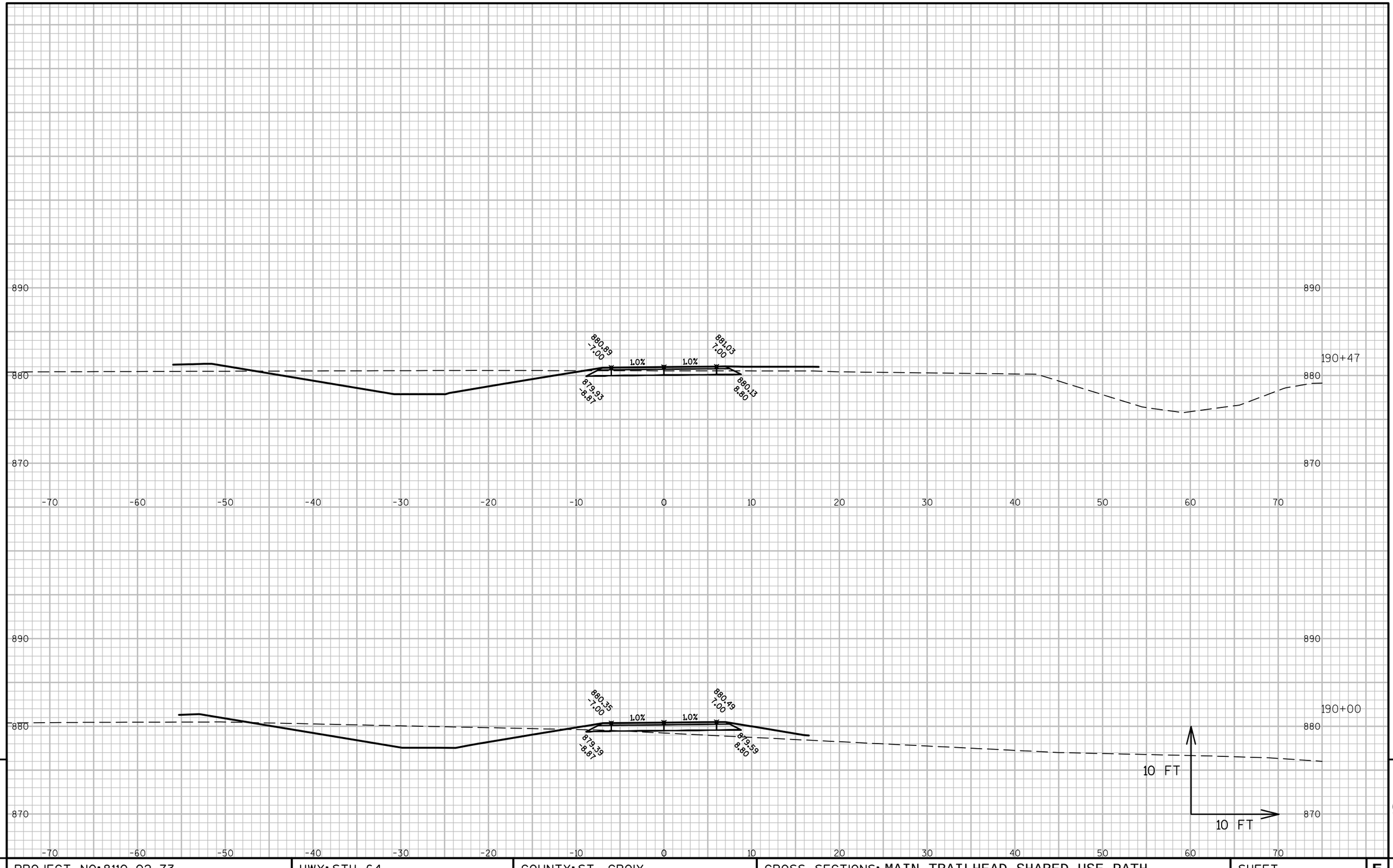
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 483	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:23 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

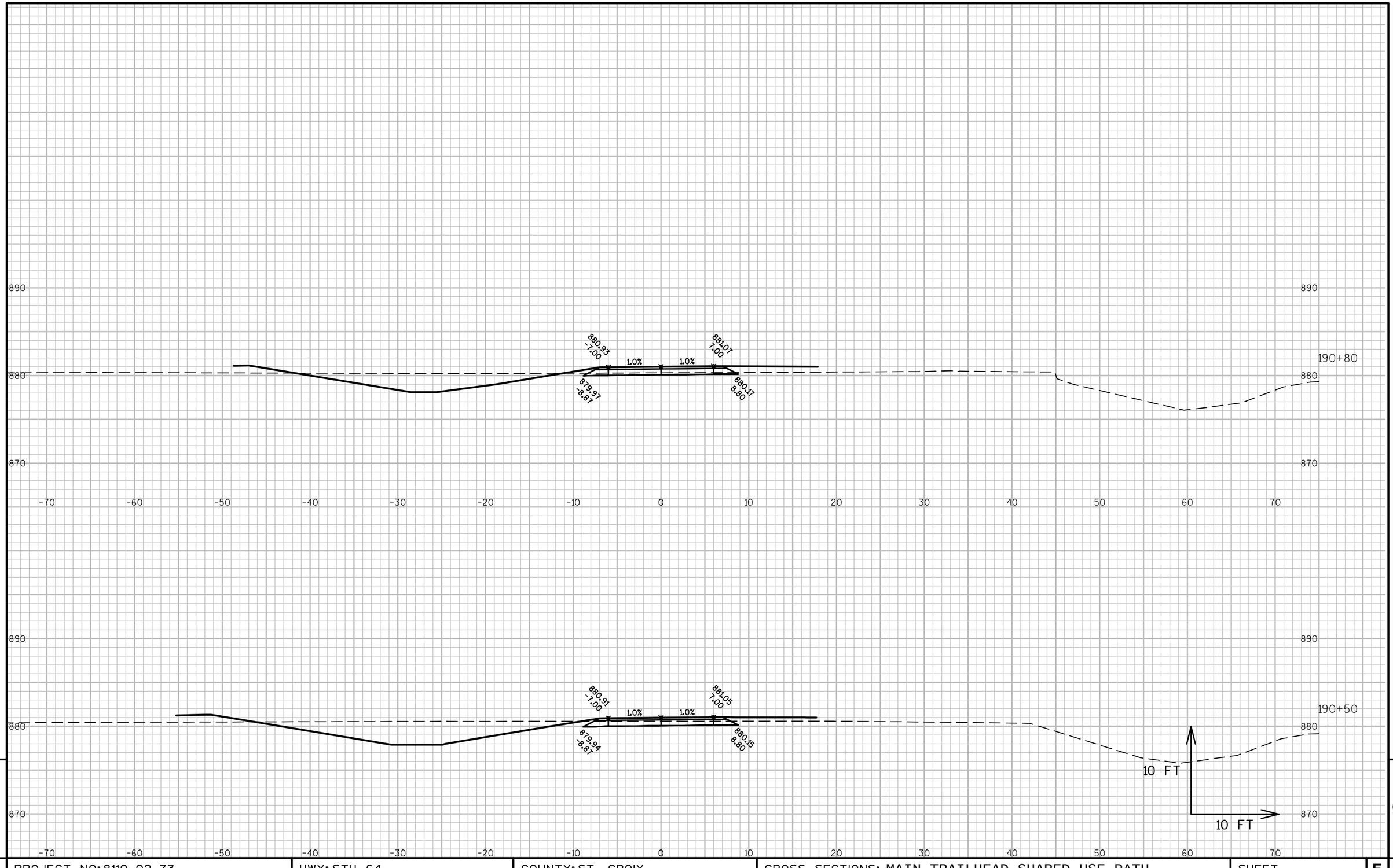


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 484	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:23 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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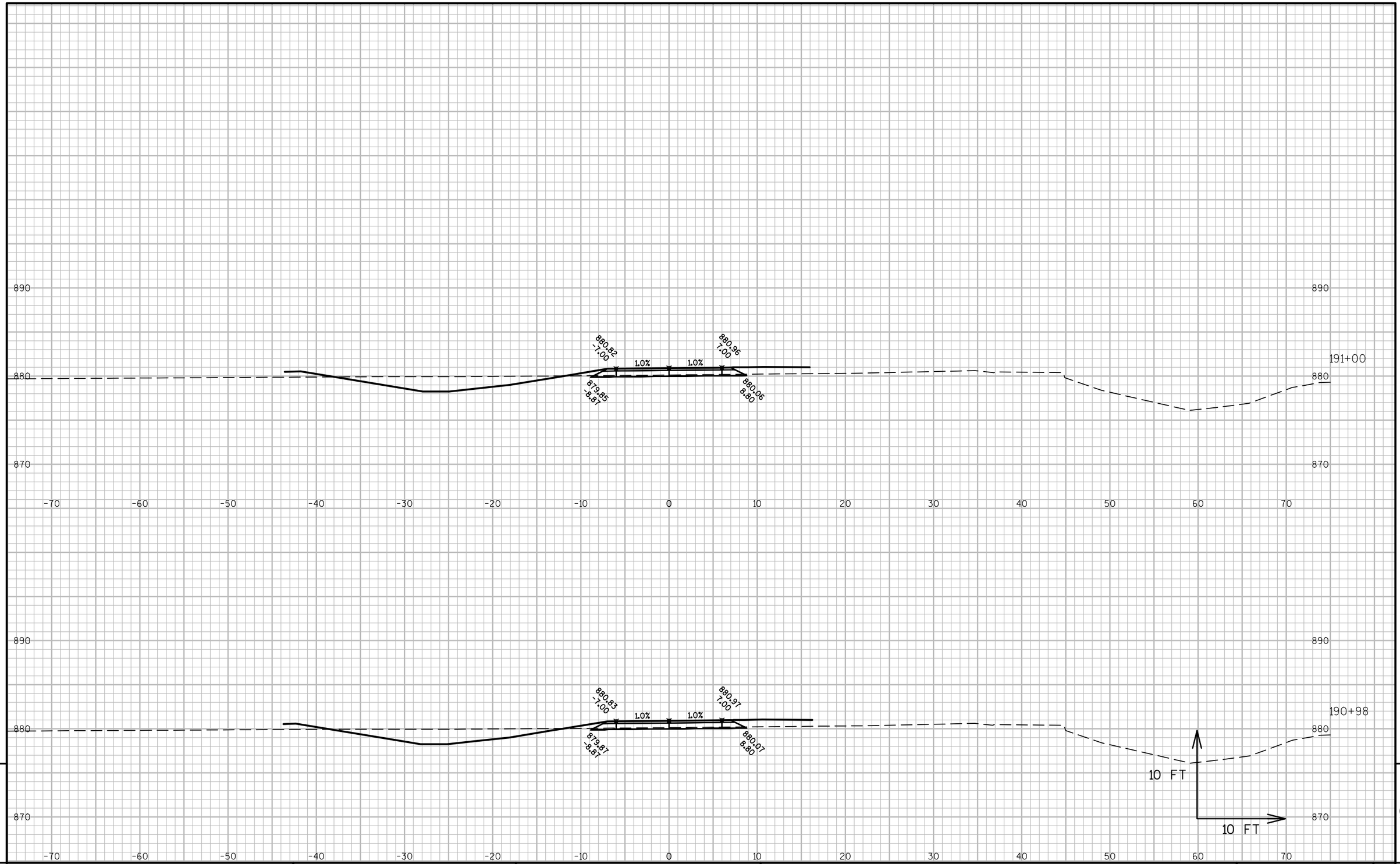
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 485	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:23 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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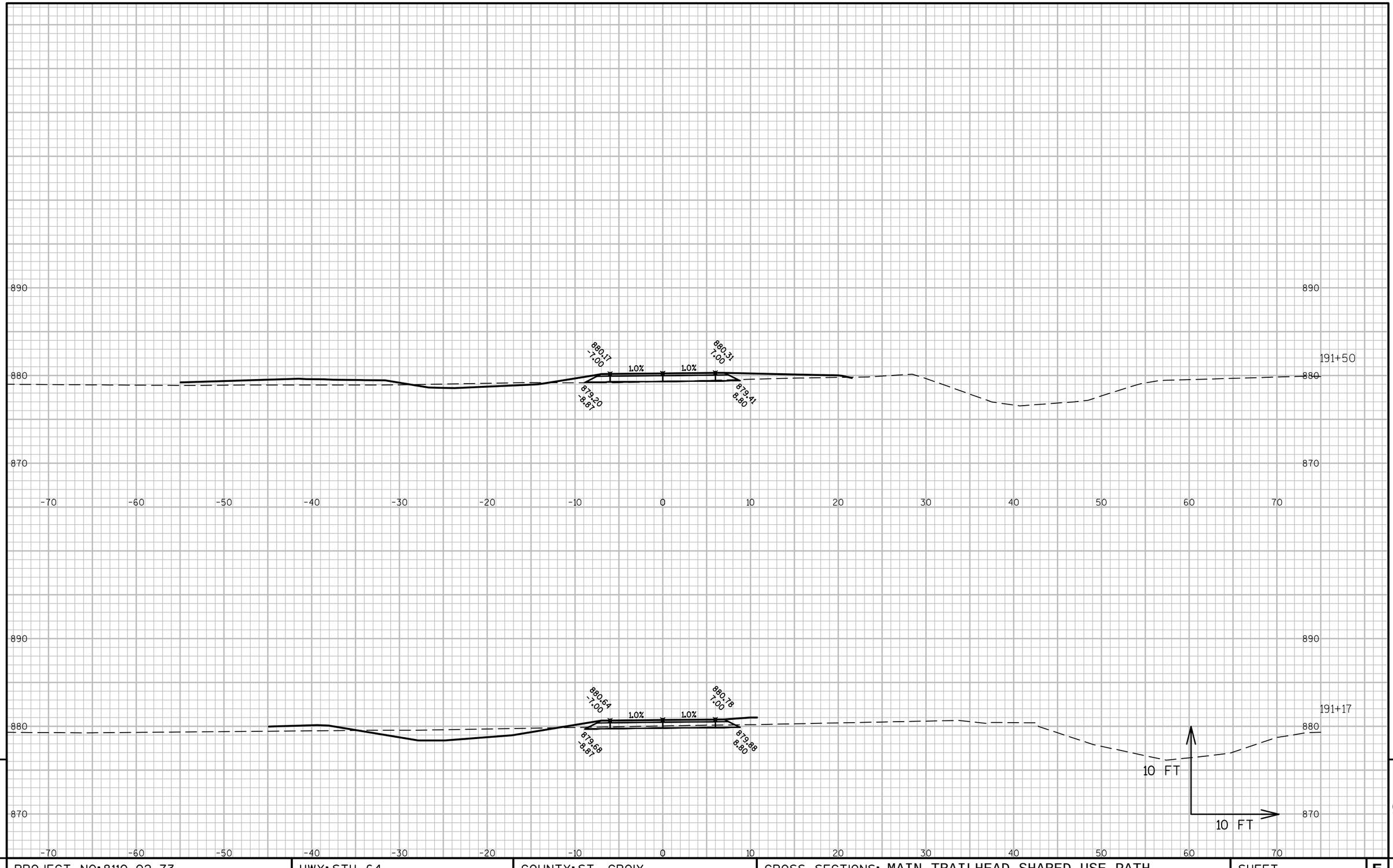
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 486	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:23 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT



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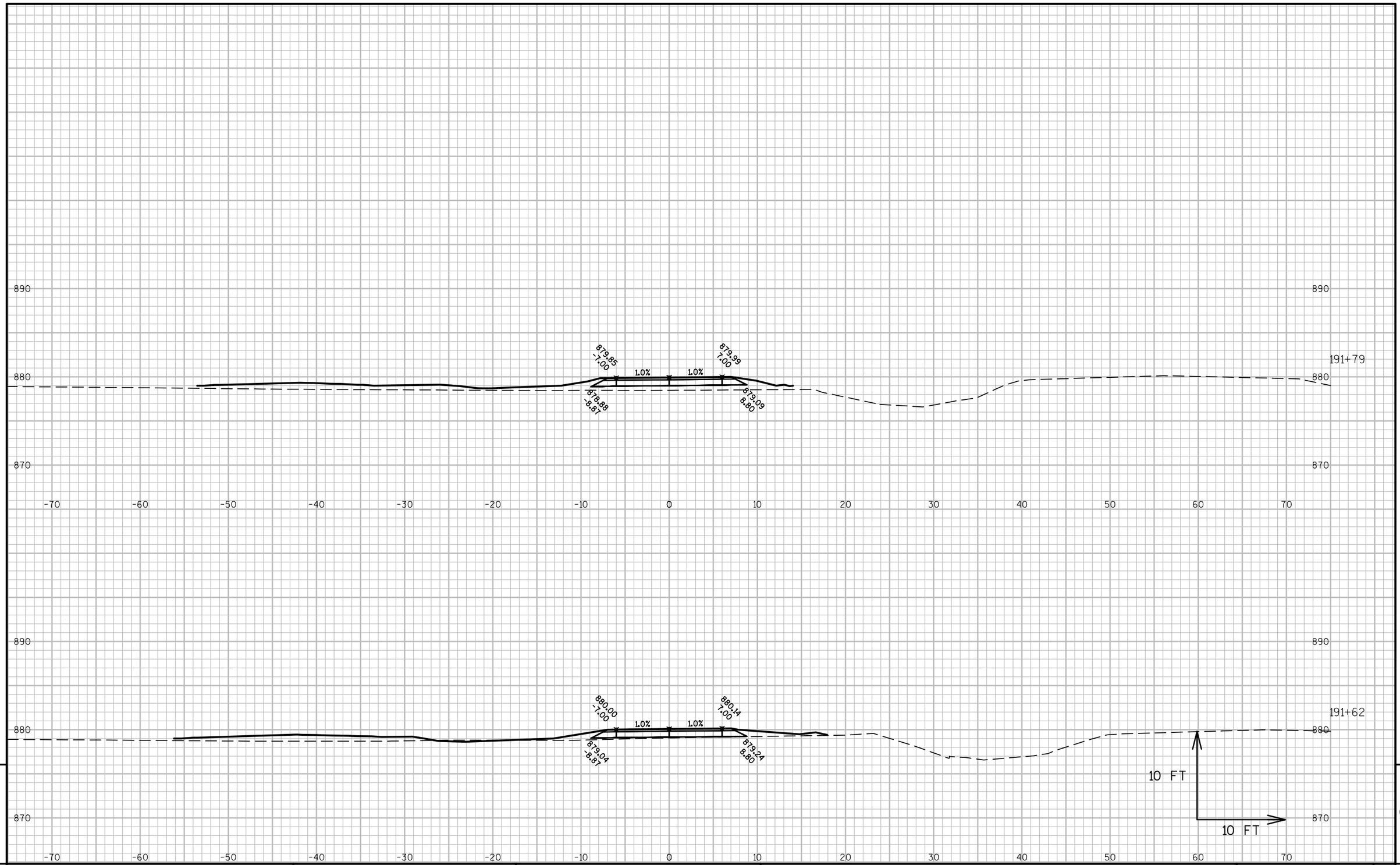
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 487	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:23 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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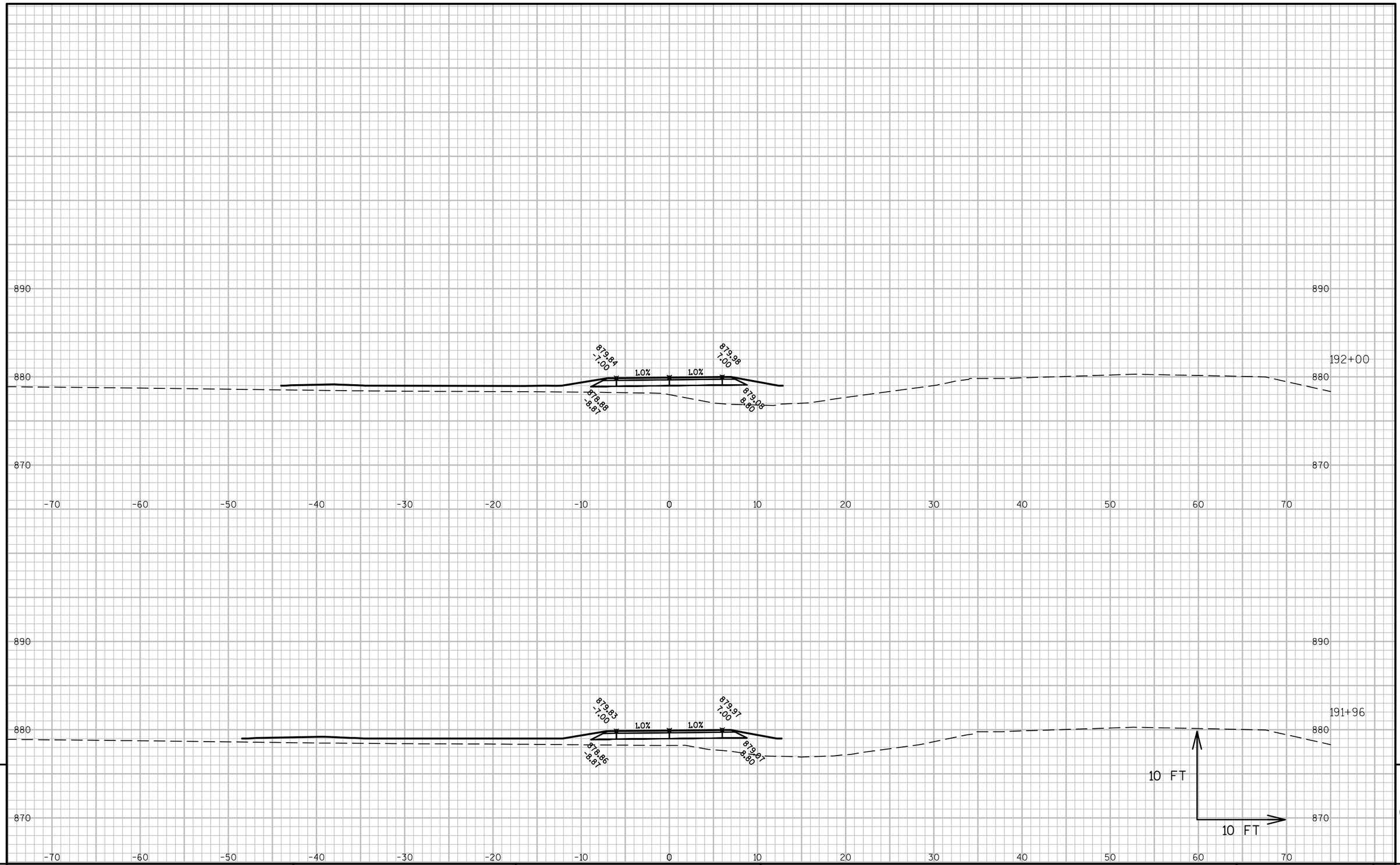
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 488	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:23 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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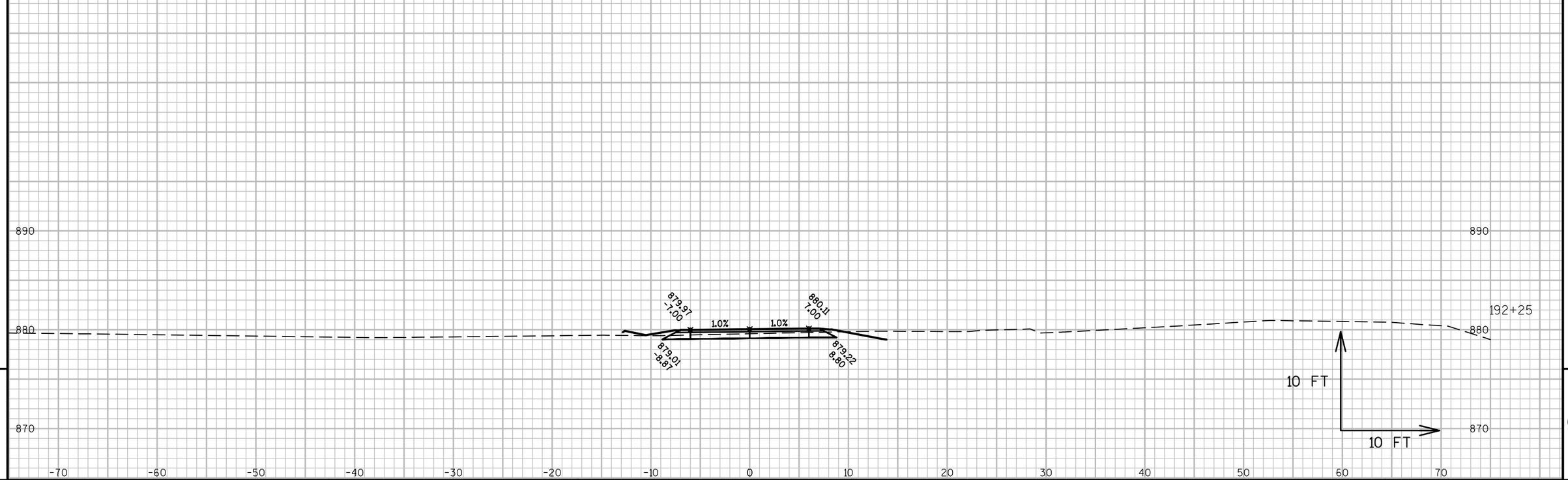
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 489	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:24 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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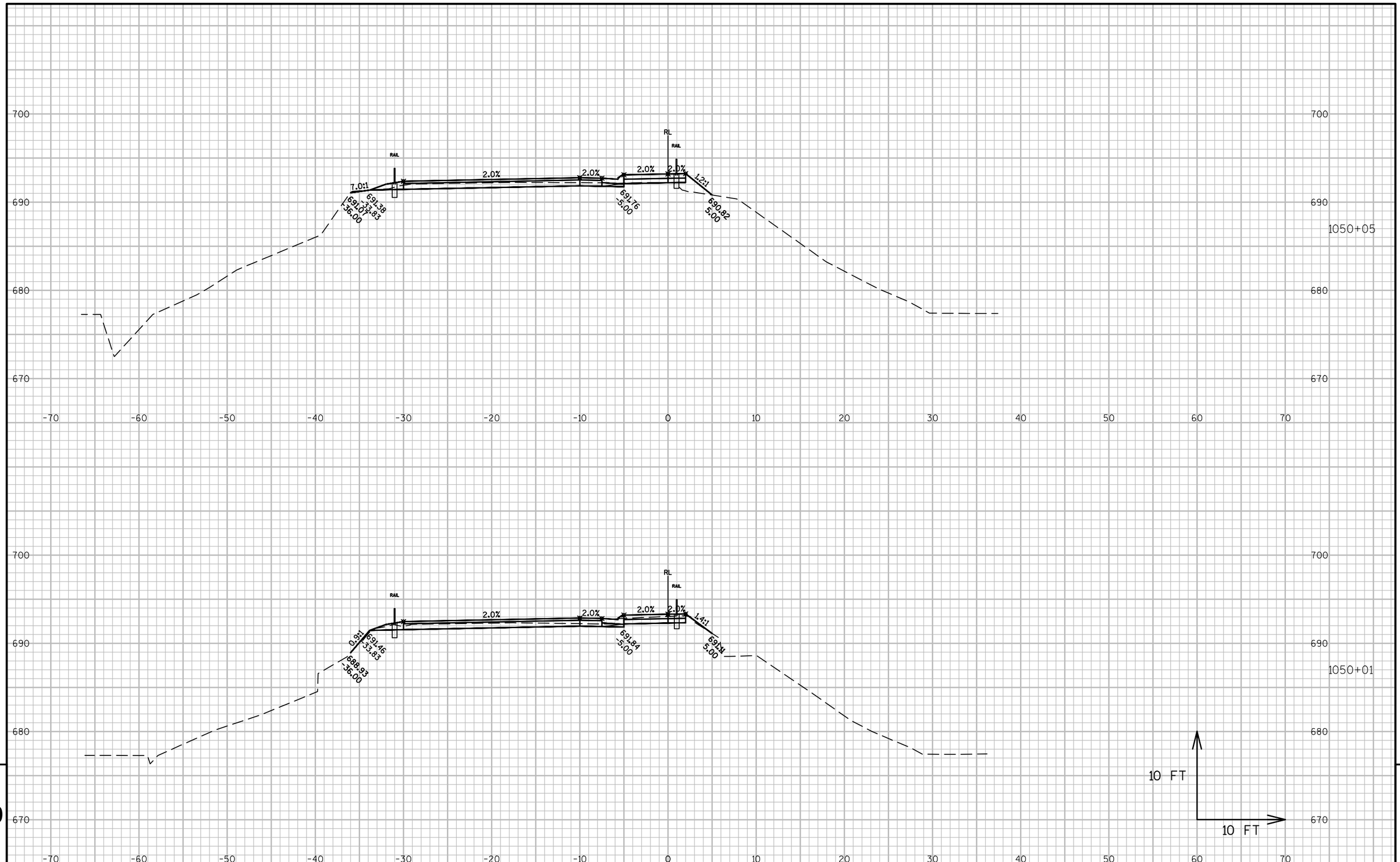
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MAIN TRAILHEAD SHARED USE PATH	SHEET 490	E

FILE NAME : N:\PDS\C3D\81100201\SHEETSPLAN\8110-02-73\090206_XS_SHARED USE PATH.DWG
LAYOUT NAME - MAIN SIDE TRAIL 1 XS_1)

PLOT DATE : 1/11/2018 3:24 PM PLOT BY : MUNDEN, ALLISSA L PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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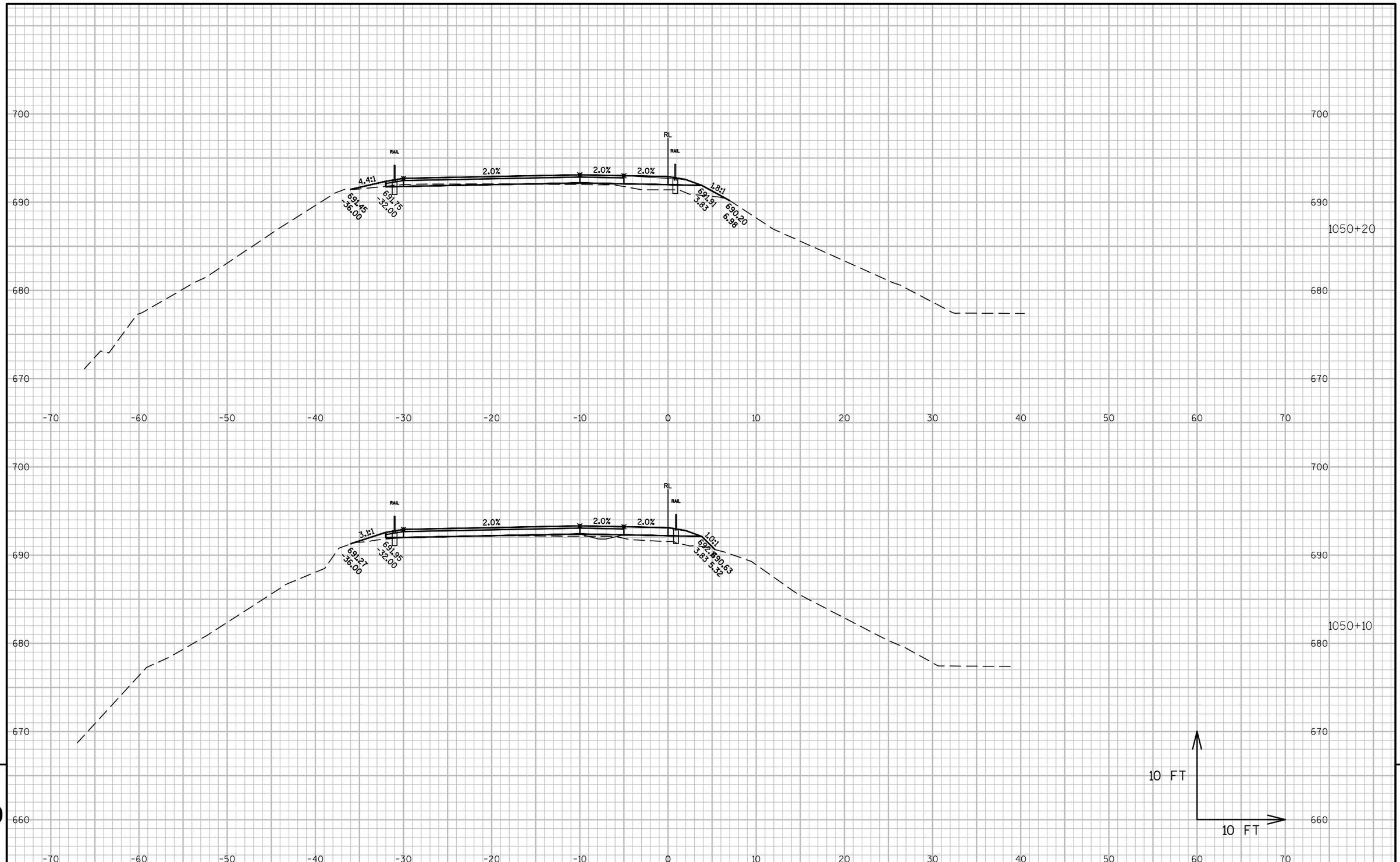
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 491	E

9

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (1)

PLOT DATE : 6/6/2017 9:30 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

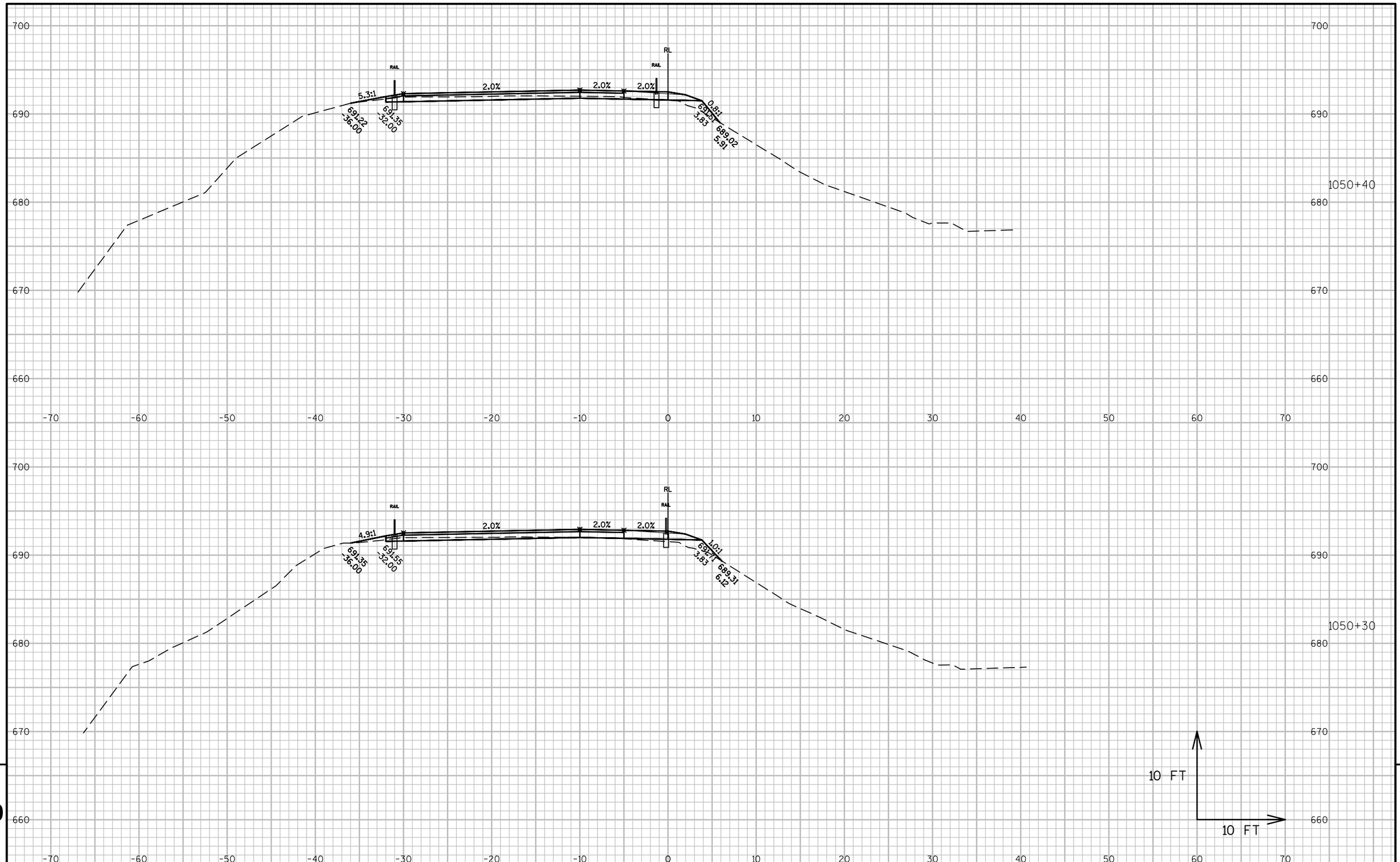


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 492 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (2)

PLOT DATE : 6/6/2017 9:30 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

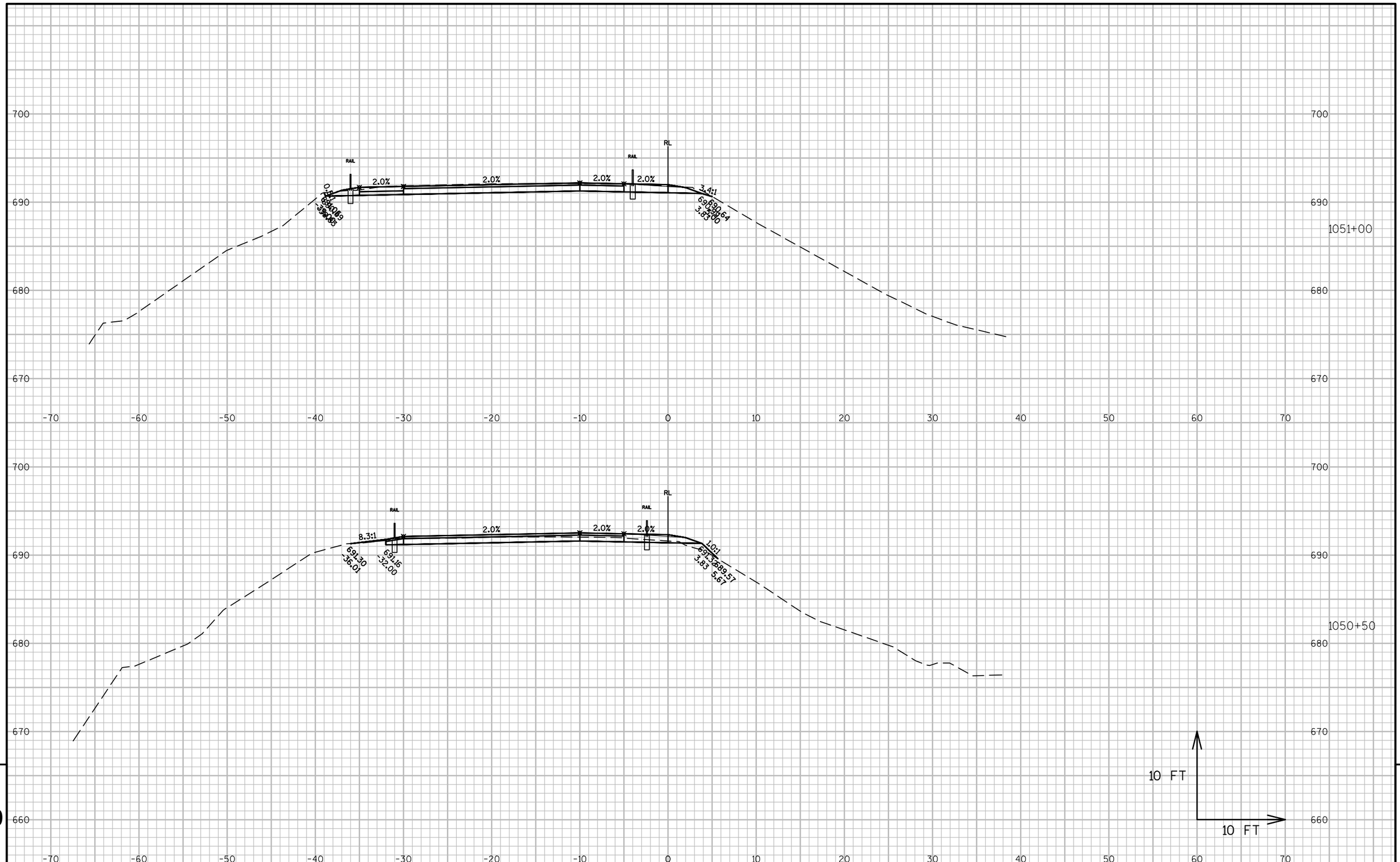


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 493 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (3)

PLOT DATE : 6/6/2017 9:31 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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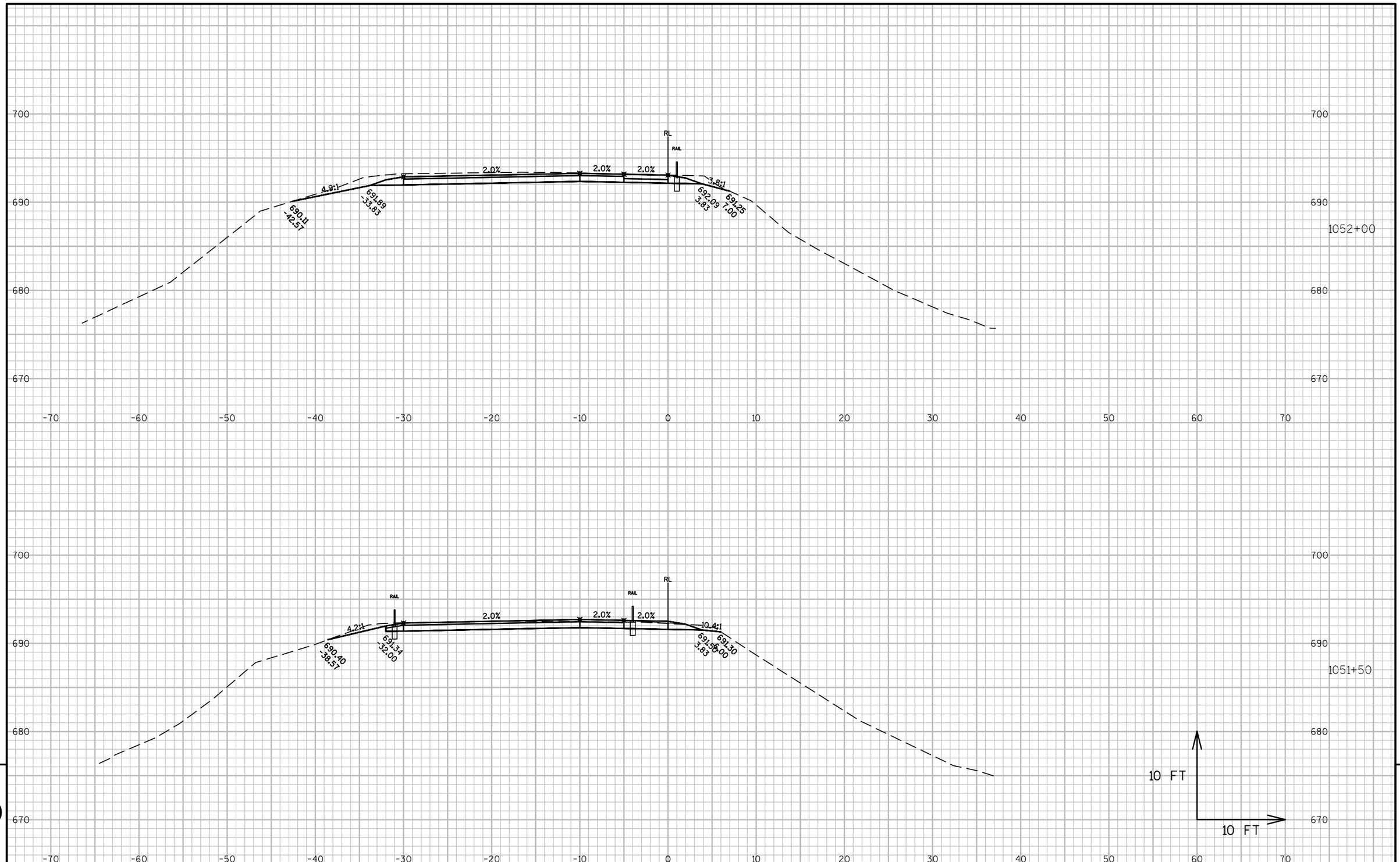
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 494	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (4)

PLOT DATE : 6/6/2017 9:31 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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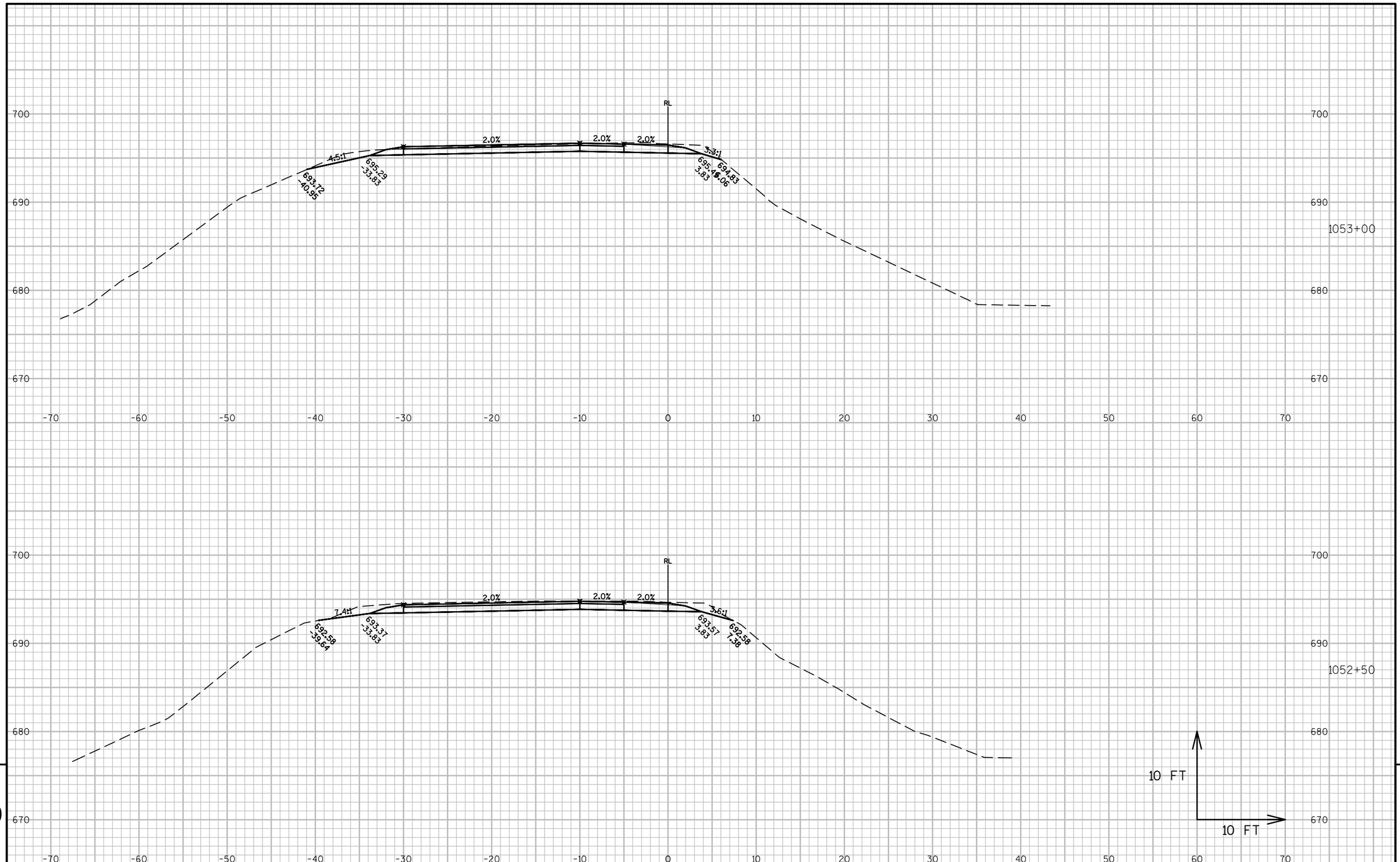
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 495	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (5)

PLOT DATE : 6/6/2017 9:31 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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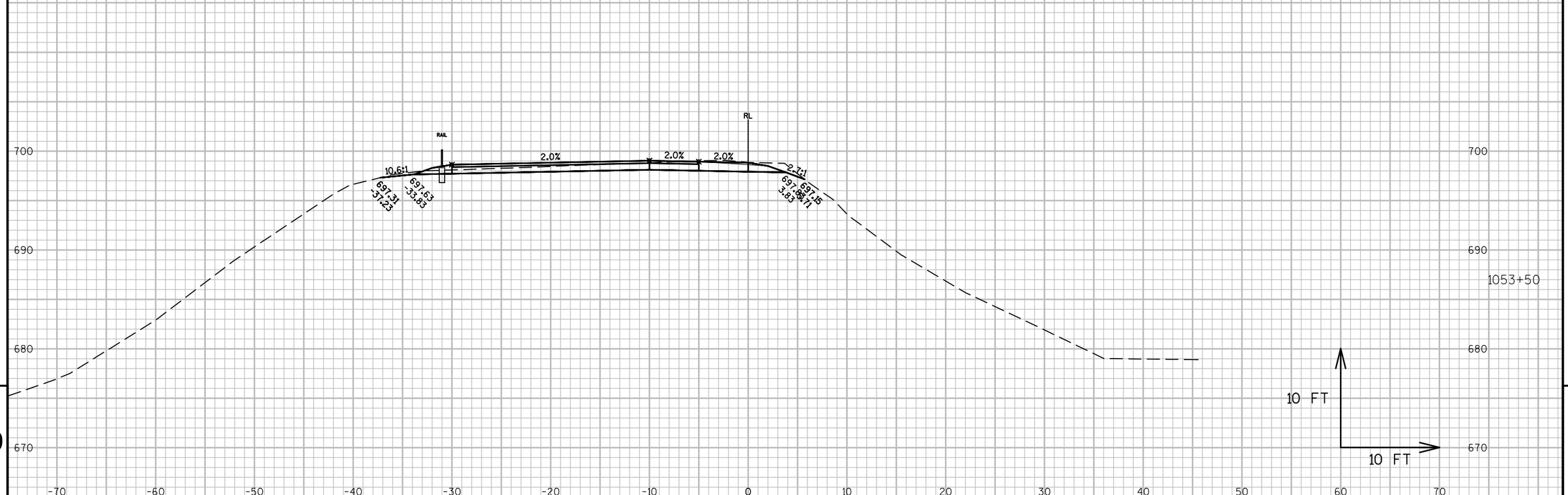
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 496	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (6)

PLOT DATE : 6/6/2017 9:31 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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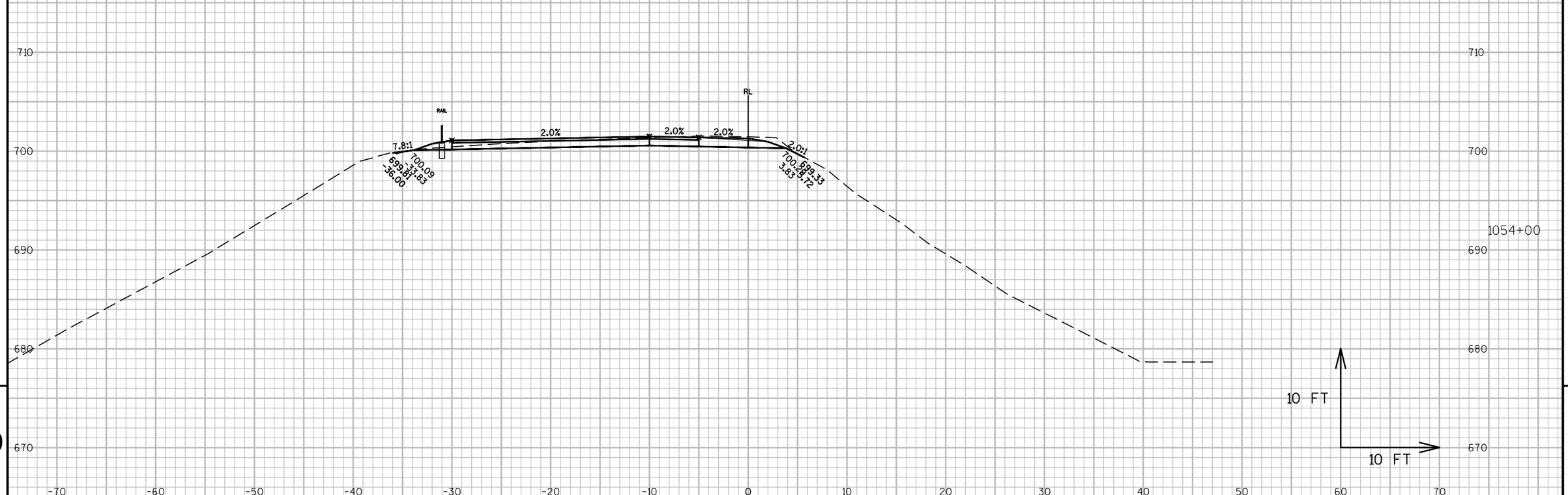
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 497	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (7)

PLOT DATE : 6/6/2017 9:31 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 498	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (8)

PLOT DATE : 6/6/2017 9:31 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

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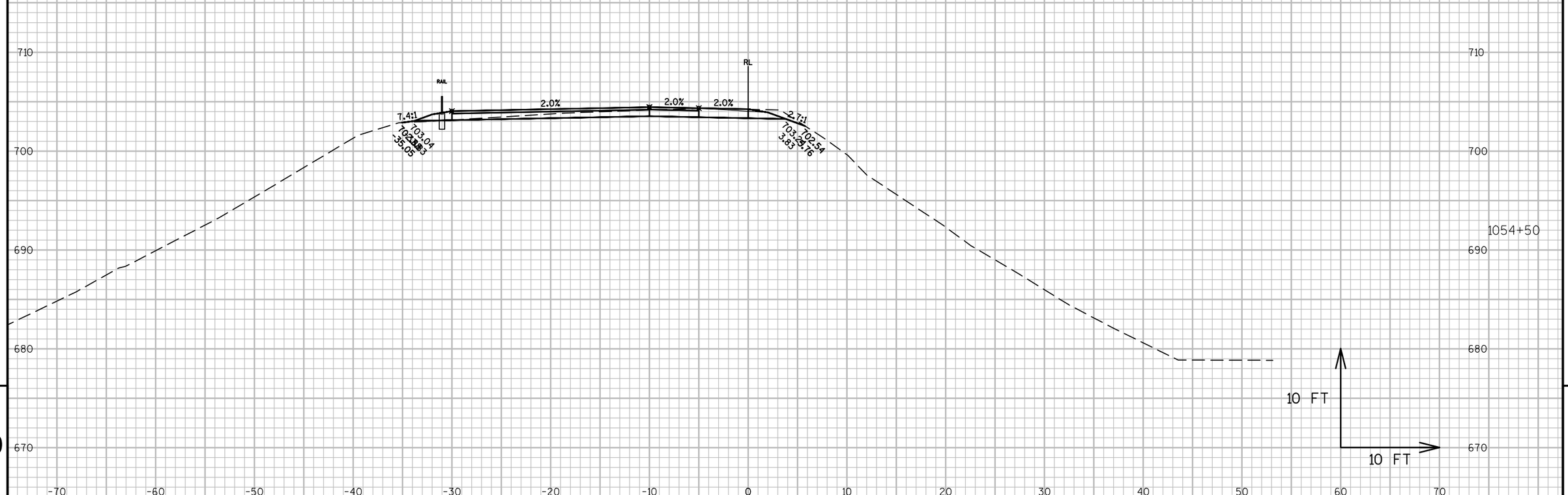
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 499	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (9)

PLOT DATE : 6/6/2017 9:32 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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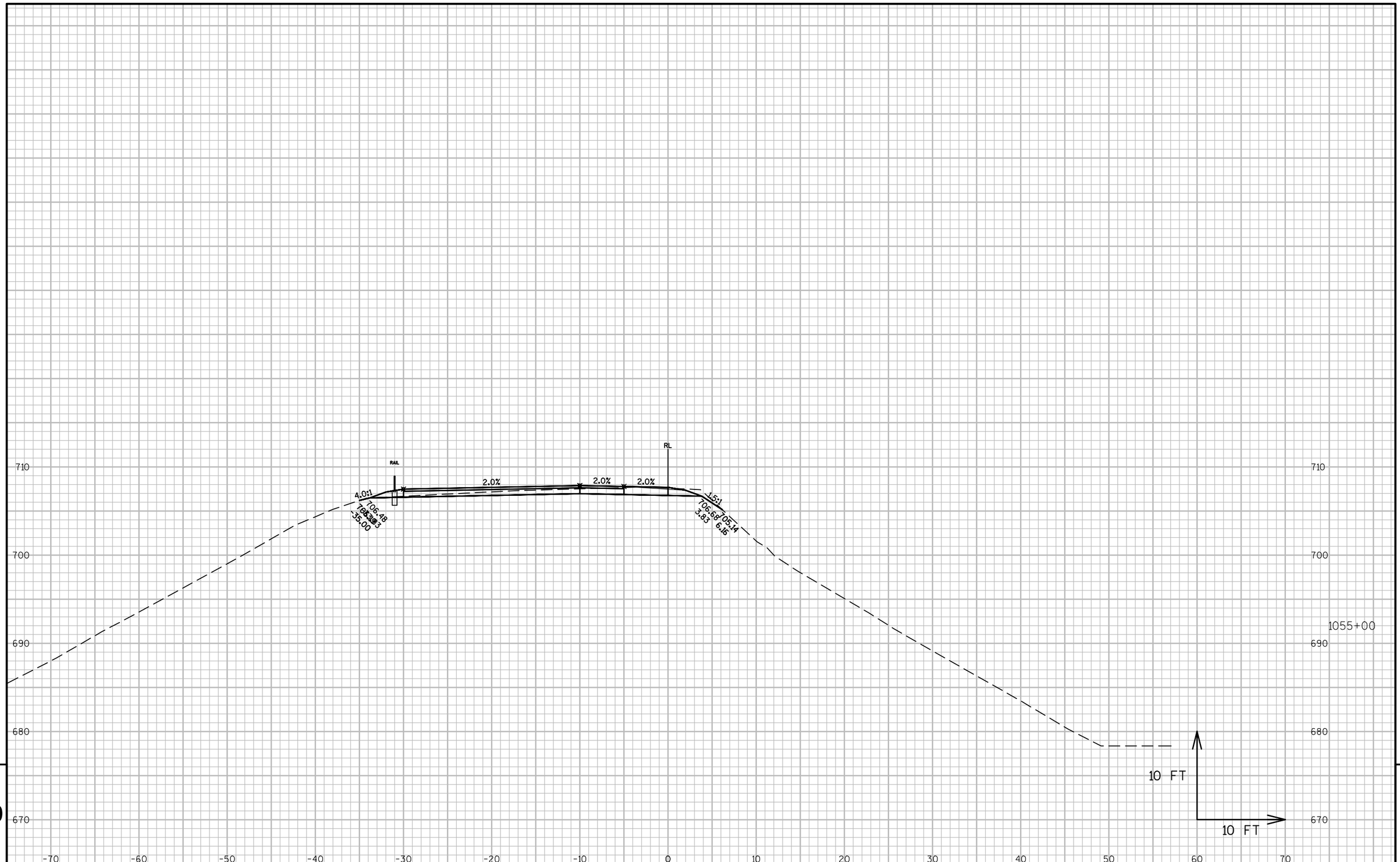
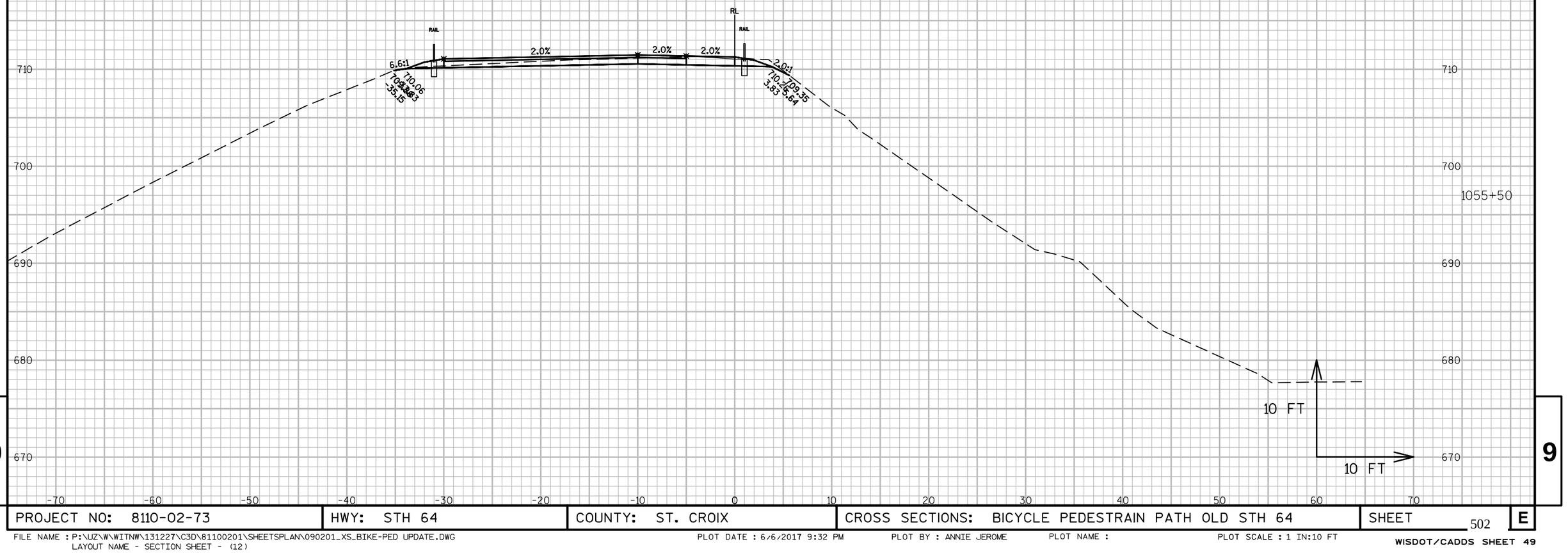
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 500	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (10)

PLOT DATE : 6/6/2017 9:32 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT


RL
RAIL
RL
2.0%
2.0%
2.0%
4.0:1
706.48
706.38
706.38
706.38



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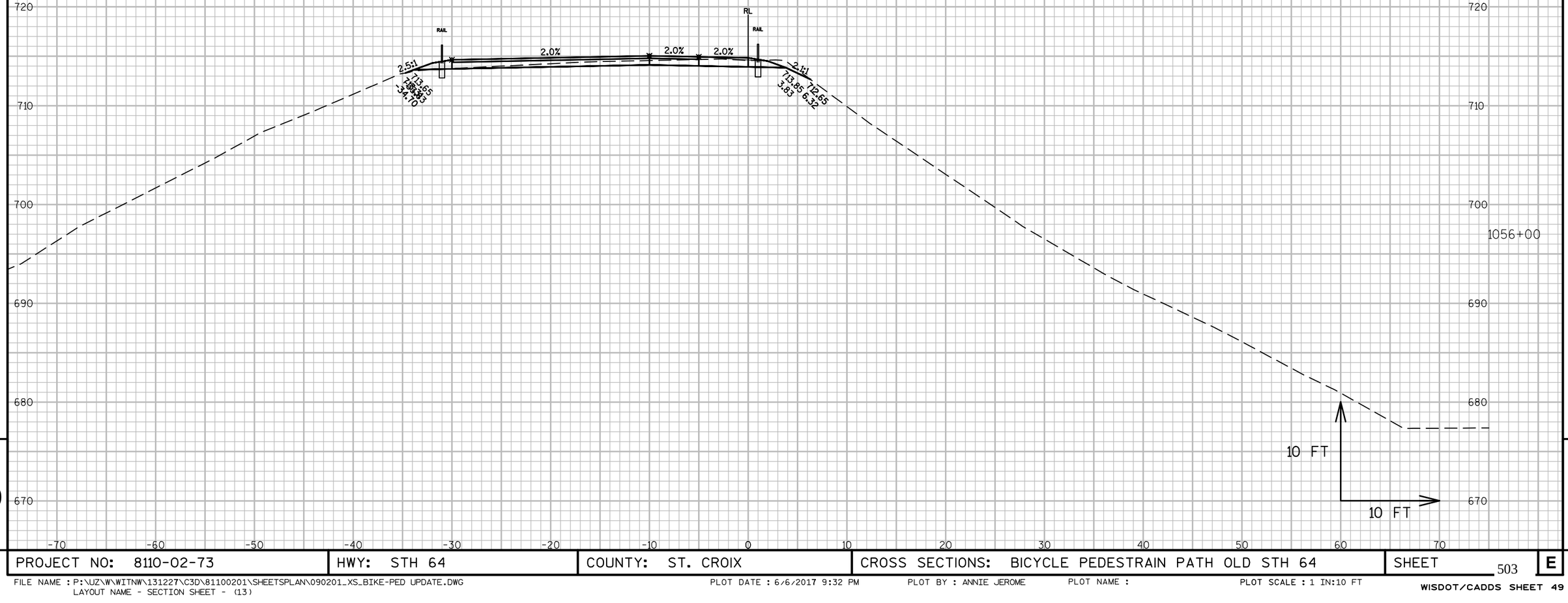
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 502	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (12)

PLOT DATE : 6/6/2017 9:32 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 503	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (13)

PLOT DATE : 6/6/2017 9:32 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

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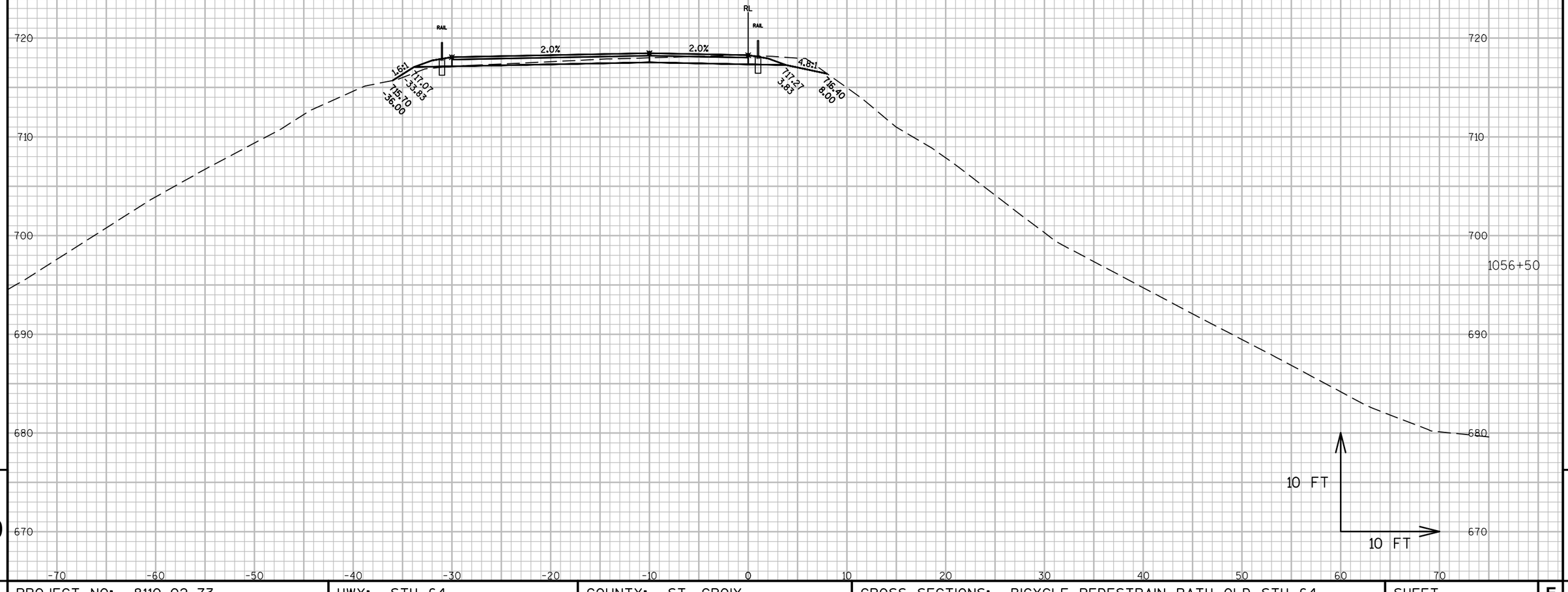
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 504	E

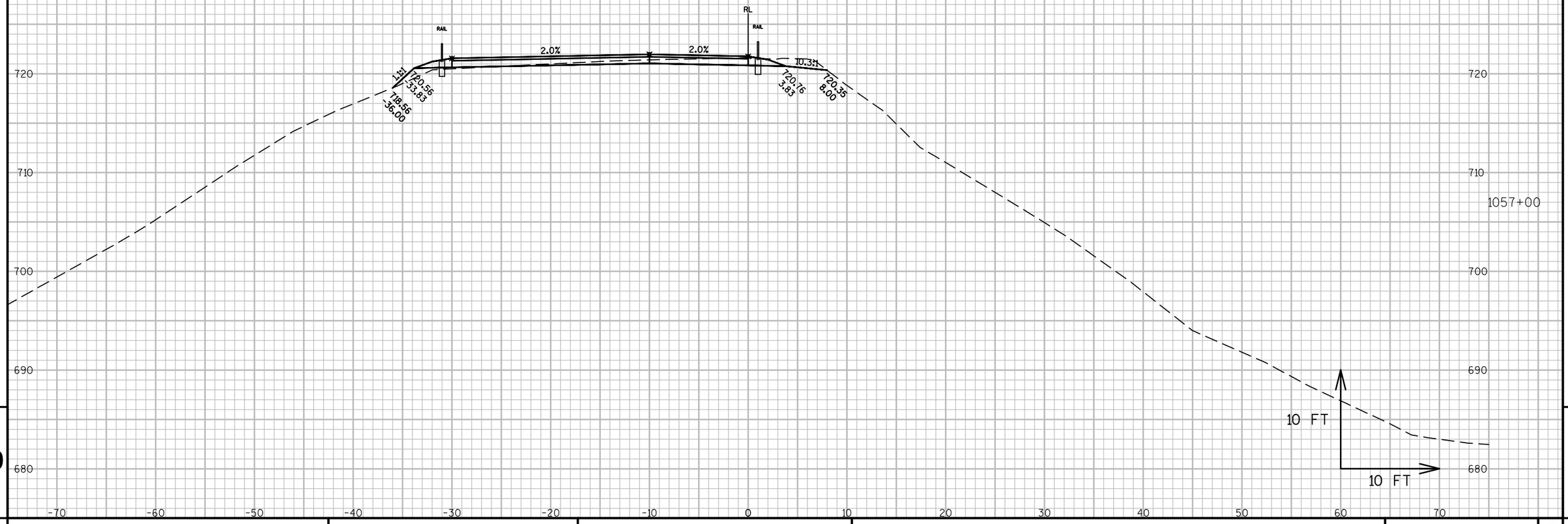
FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (14)

PLOT DATE : 6/6/2017 9:32 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 505	E



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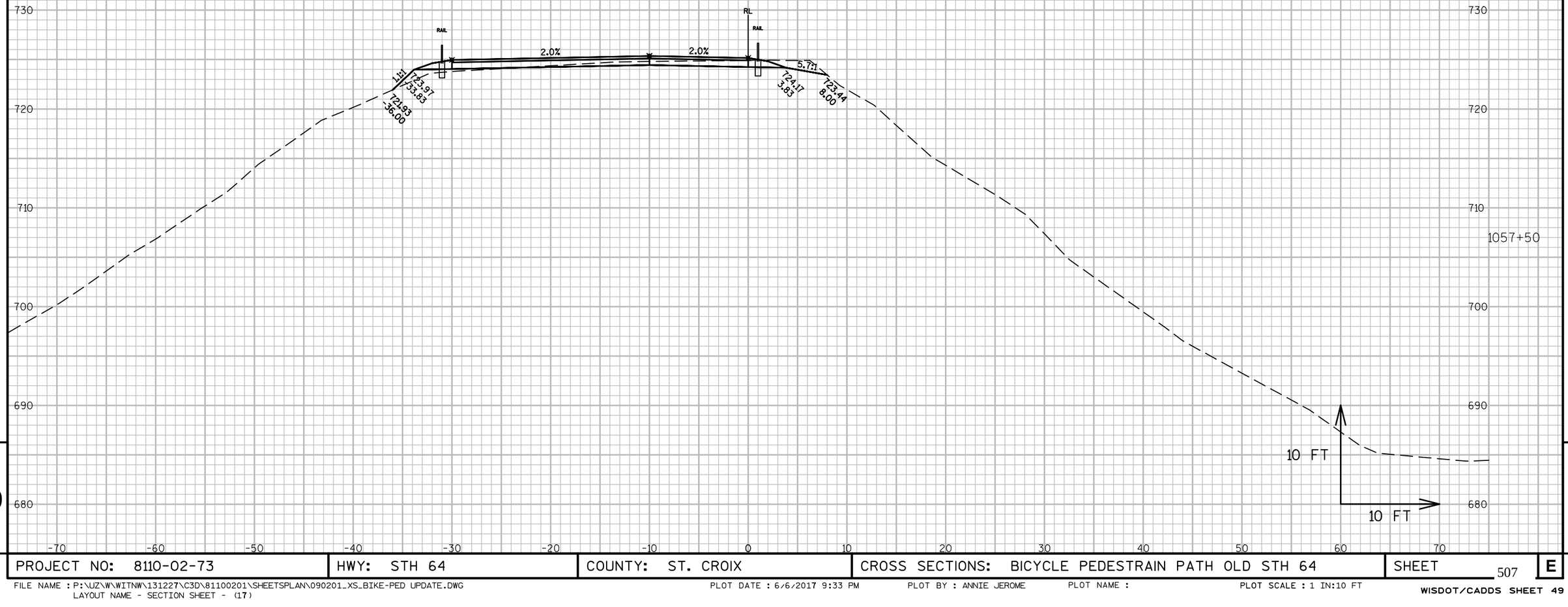
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 506	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (16)

PLOT DATE : 6/6/2017 9:33 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

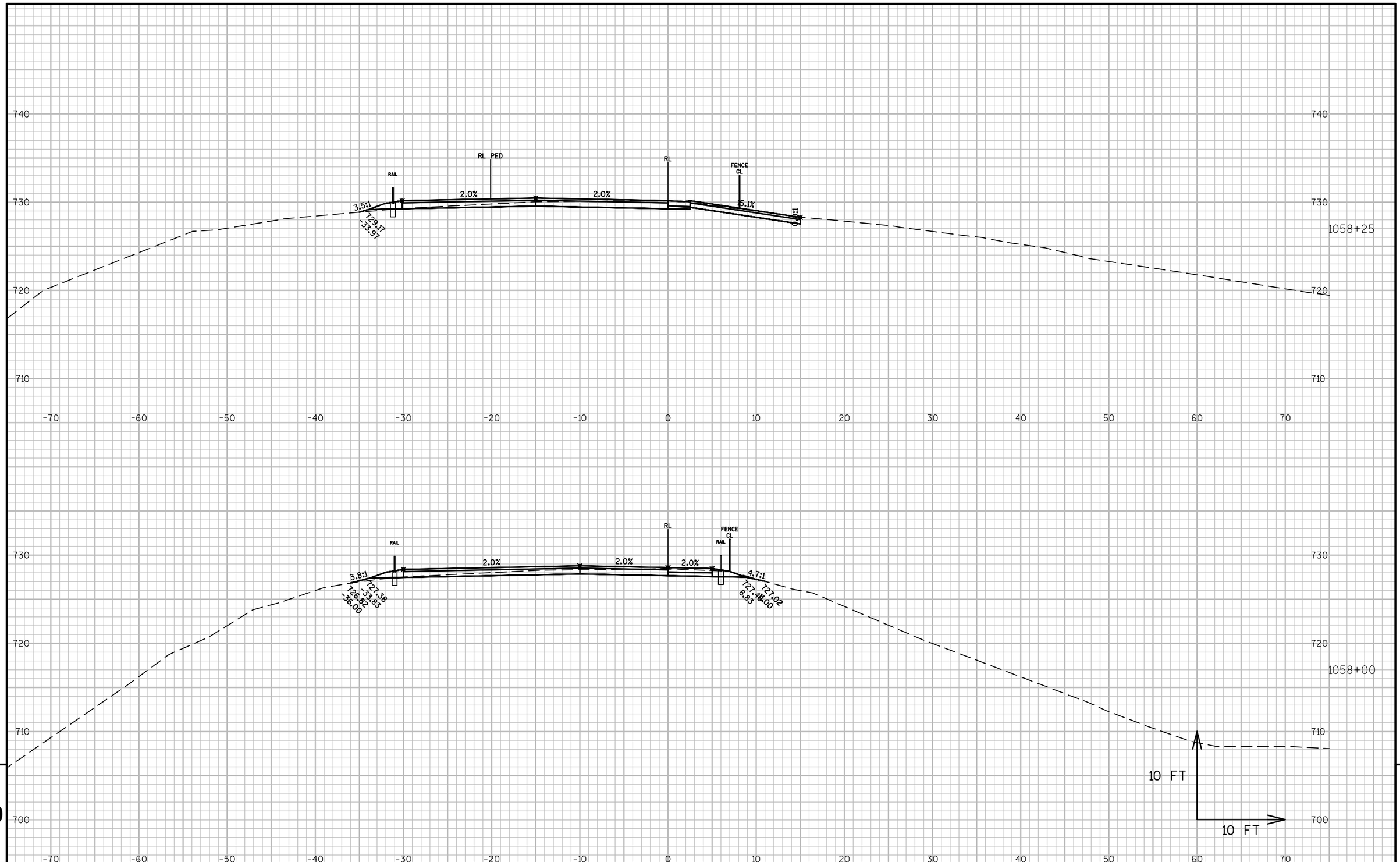


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 507 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 6/6/2017 9:33 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 508	E

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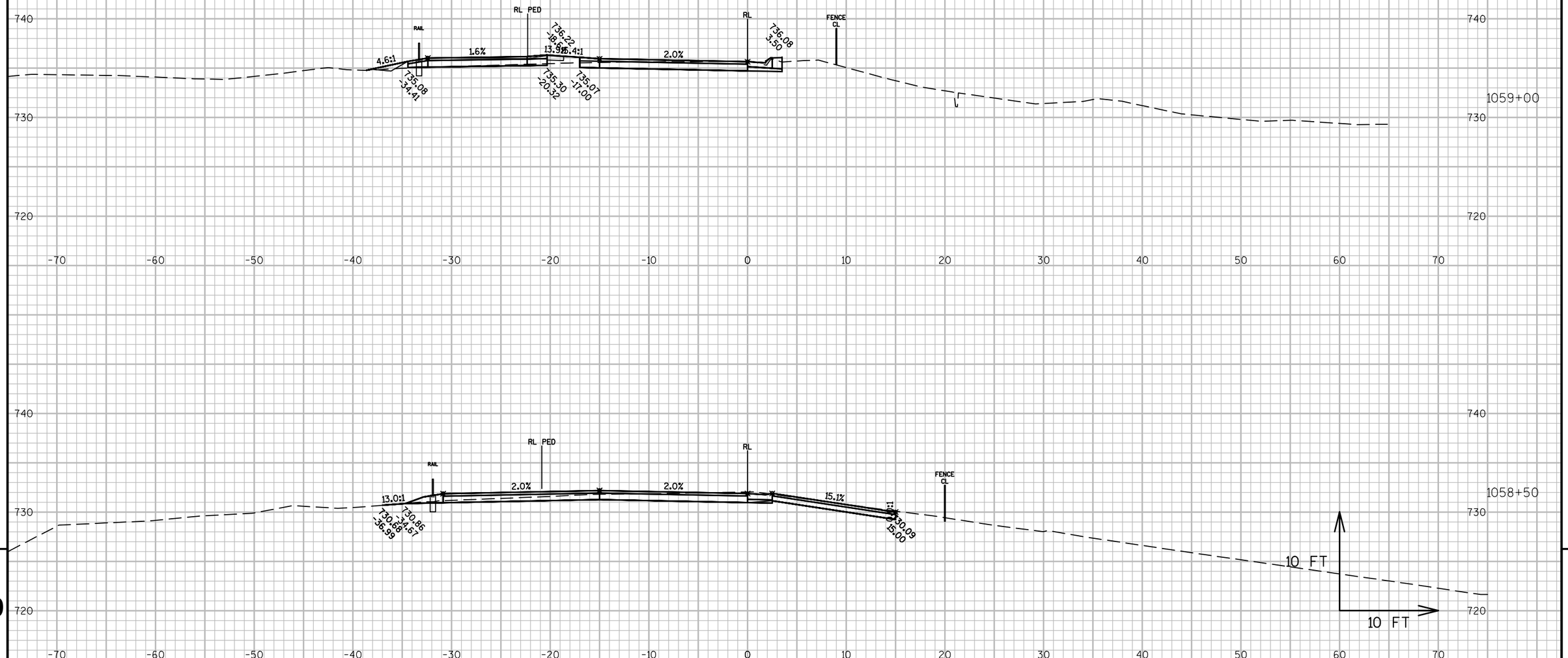
FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (18)

PLOT DATE : 6/6/2017 9:33 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

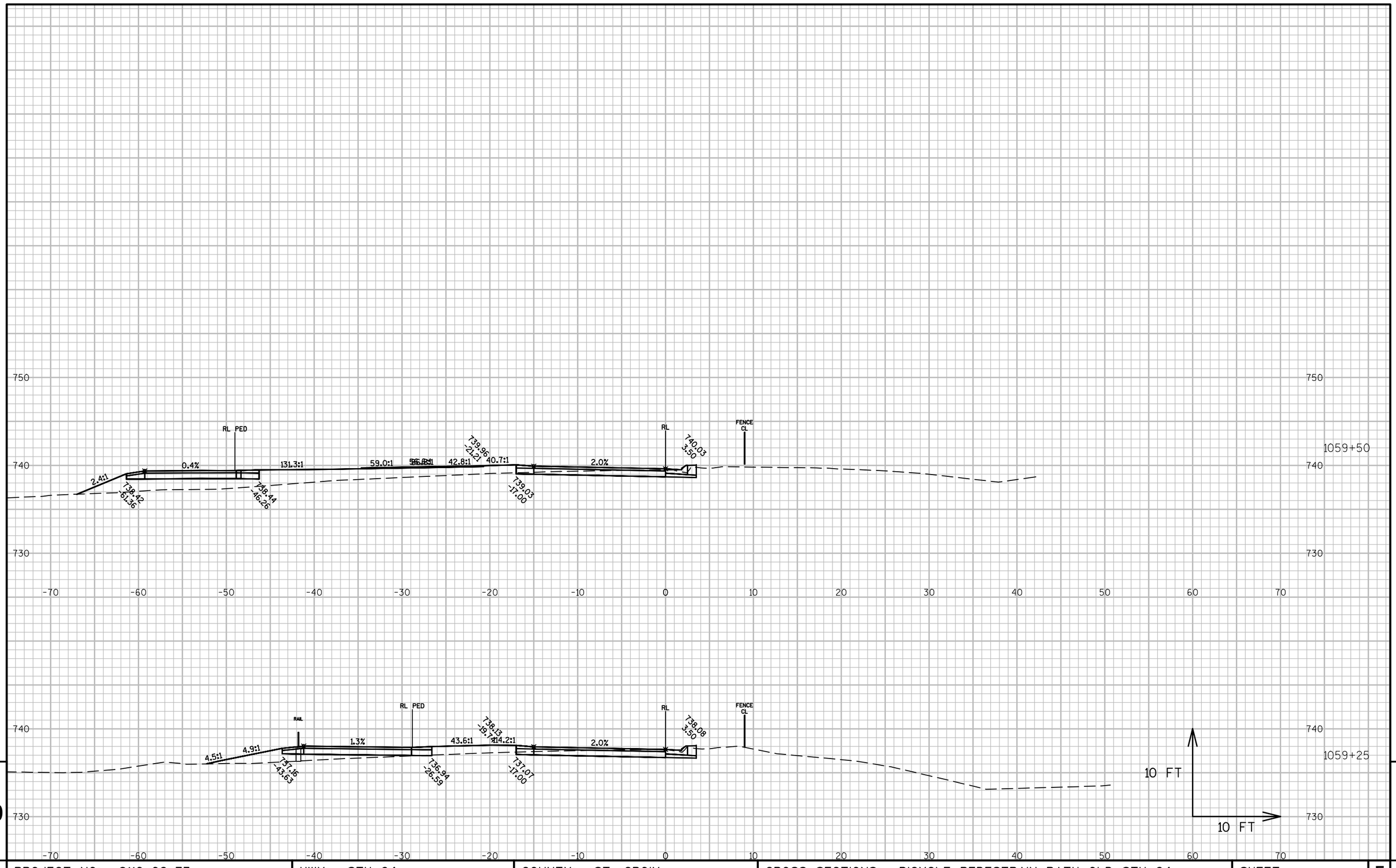


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 509 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (19)

PLOT DATE : 6/6/2017 9:33 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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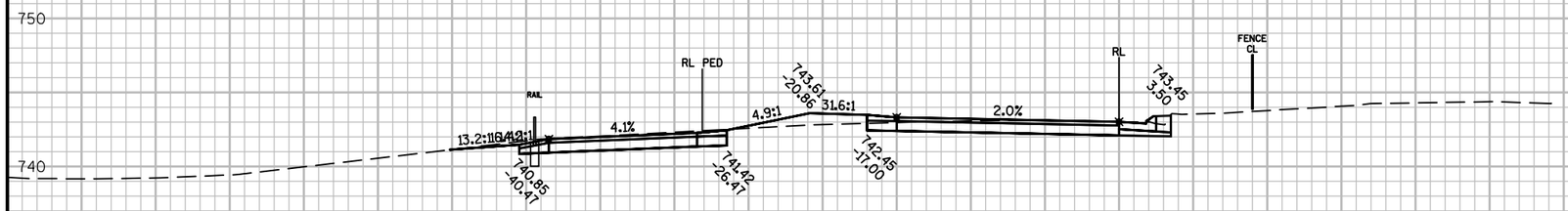
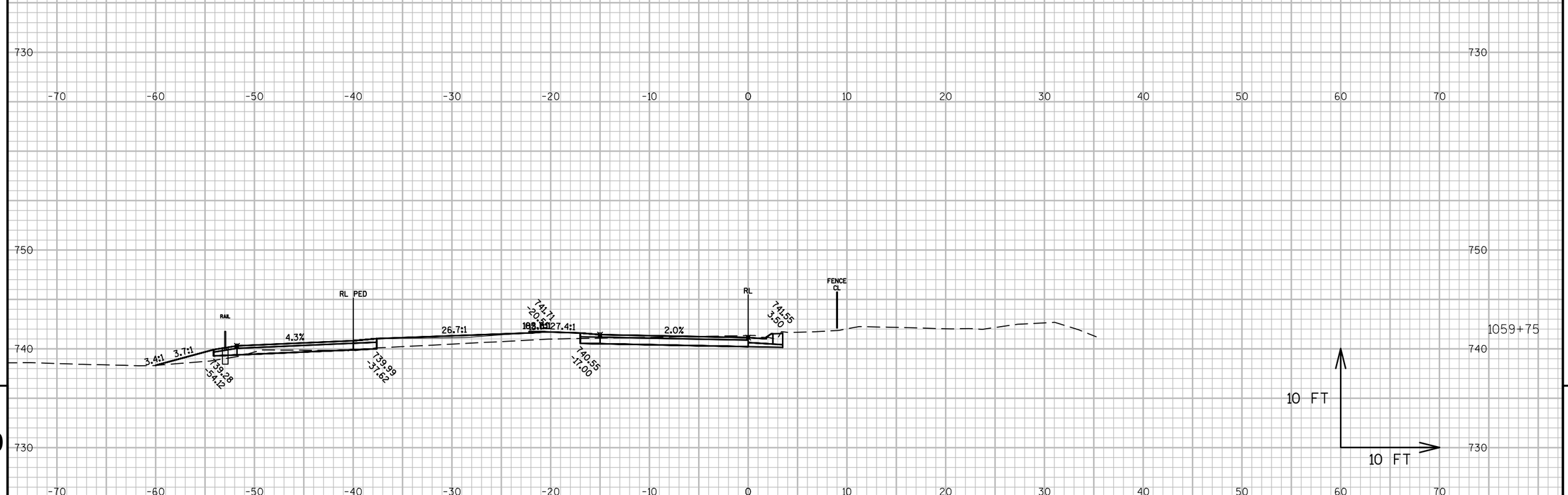
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 510	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (20)

PLOT DATE : 6/6/2017 9:33 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



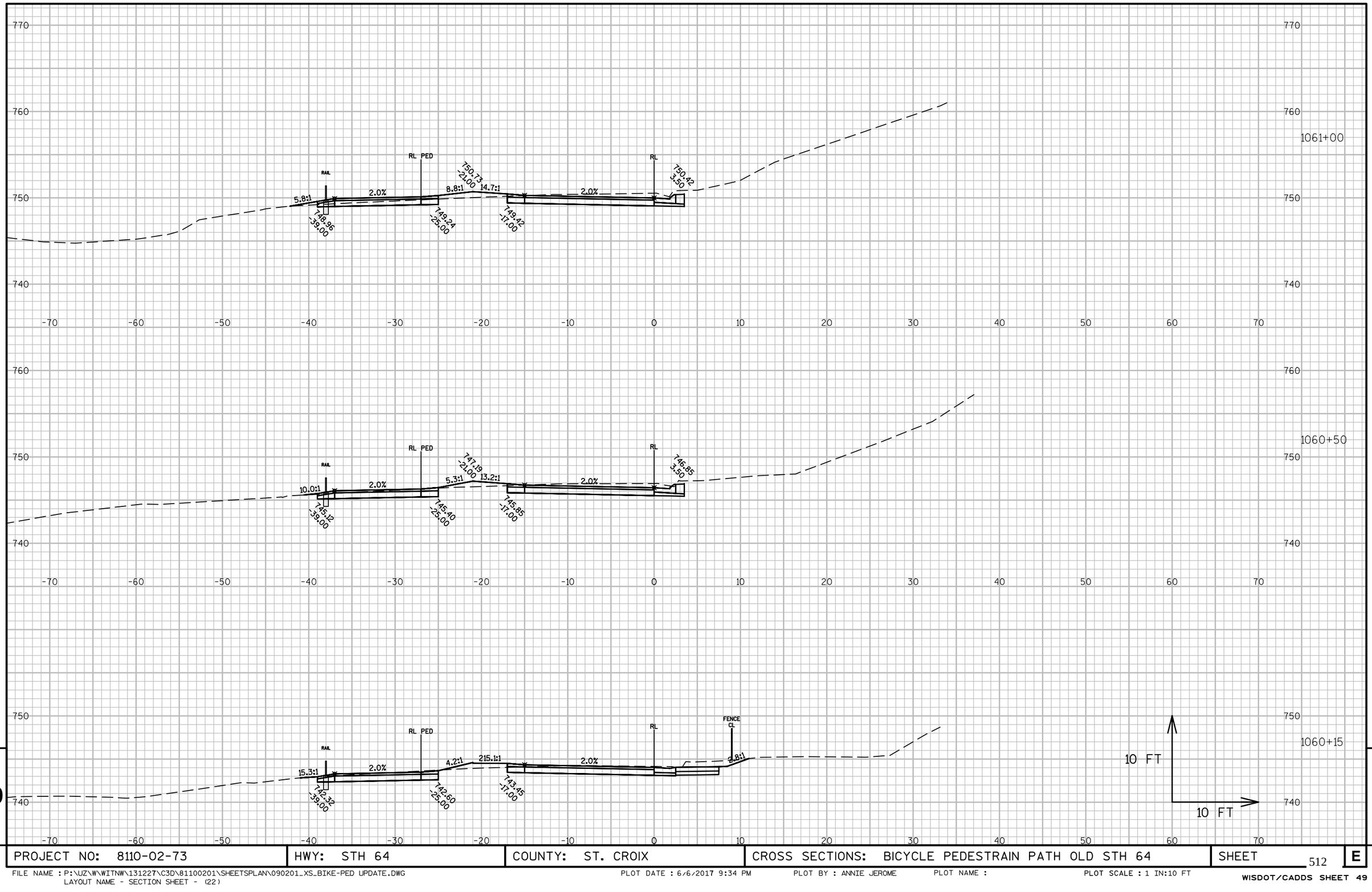


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 511 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (21)

PLOT DATE : 6/6/2017 9:33 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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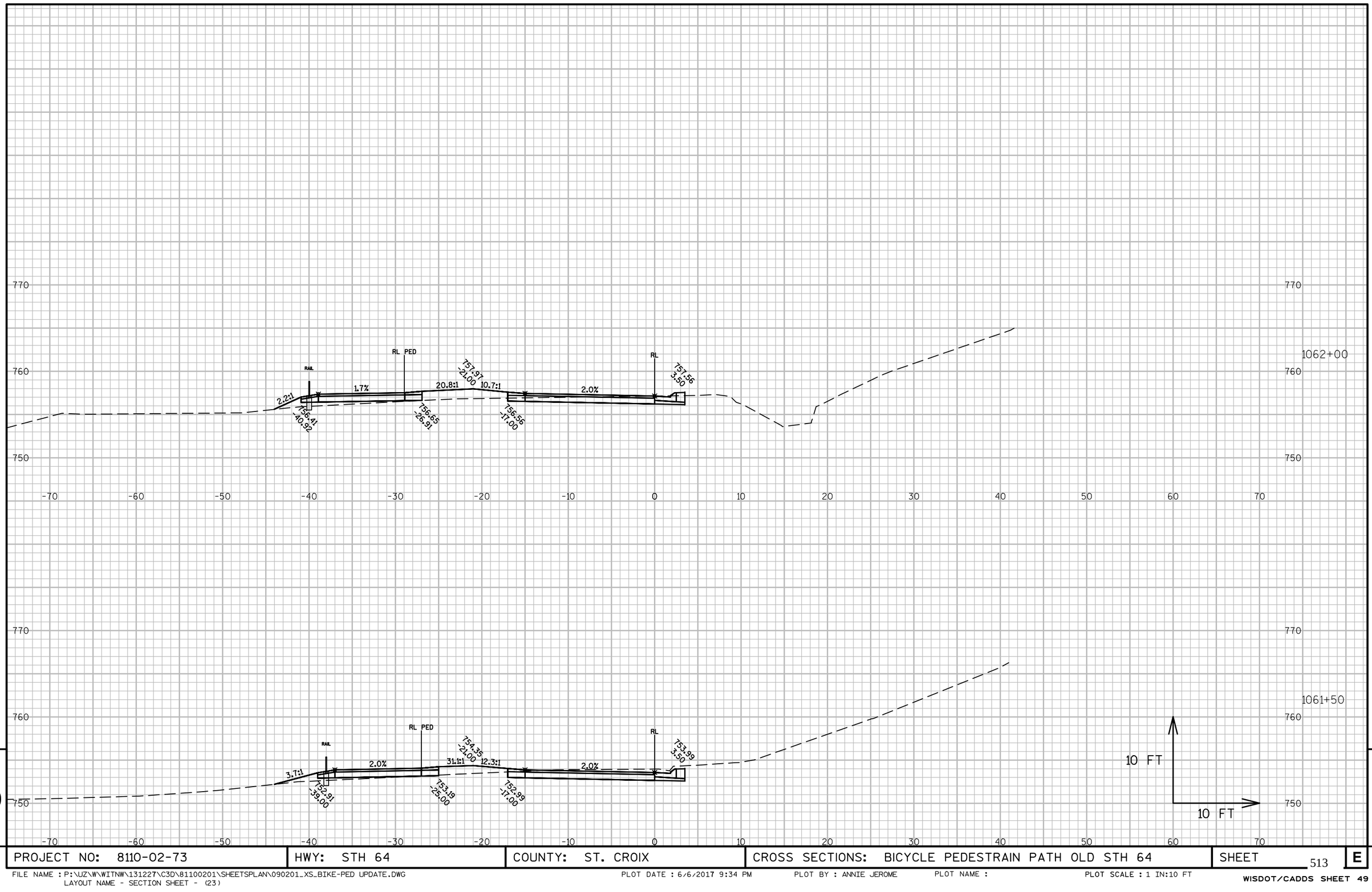
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 512	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (22)
PLOT DATE : 6/6/2017 9:34 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

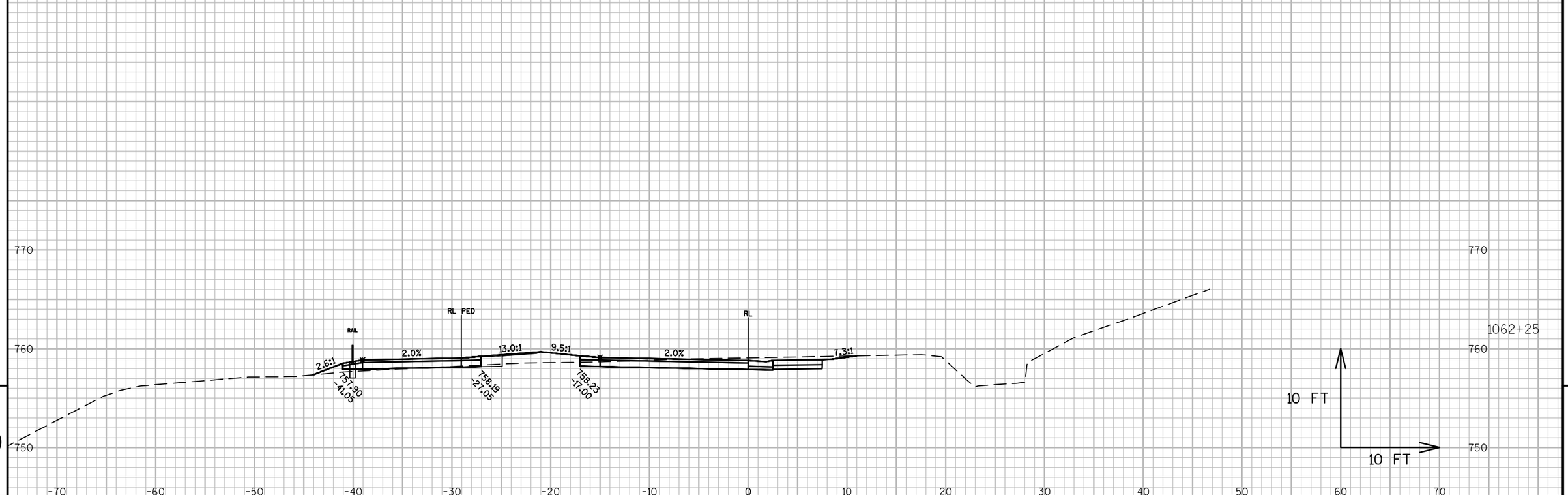


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 513	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (23)

PLOT DATE : 6/6/2017 9:34 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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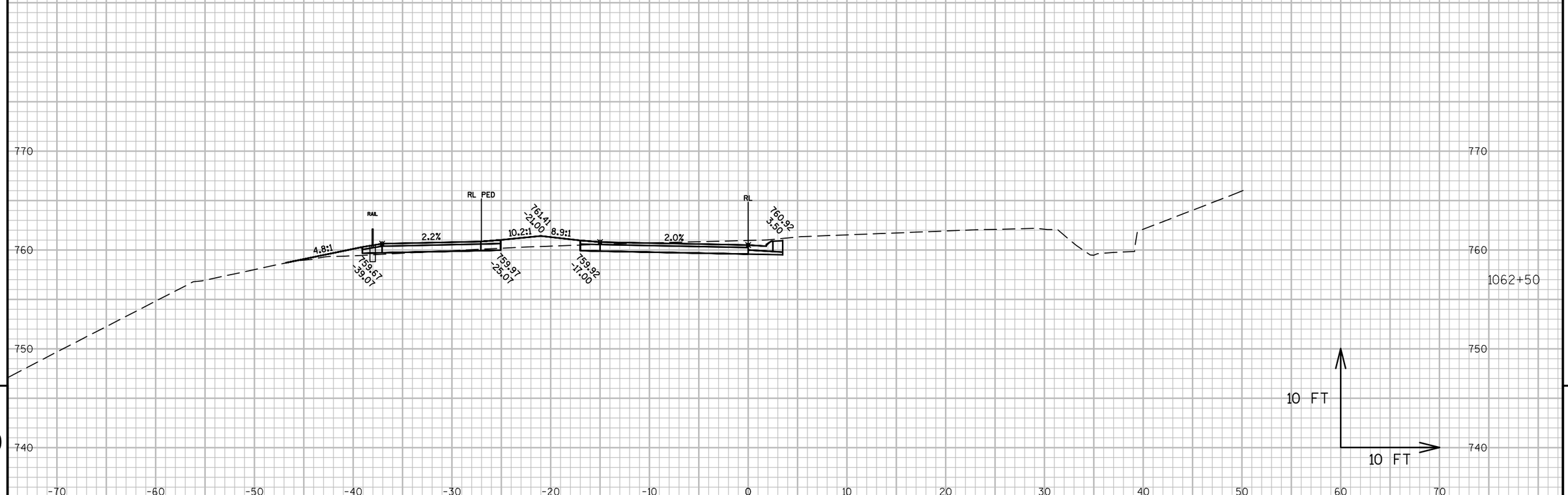
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 514	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (24)

PLOT DATE : 6/6/2017 9:34 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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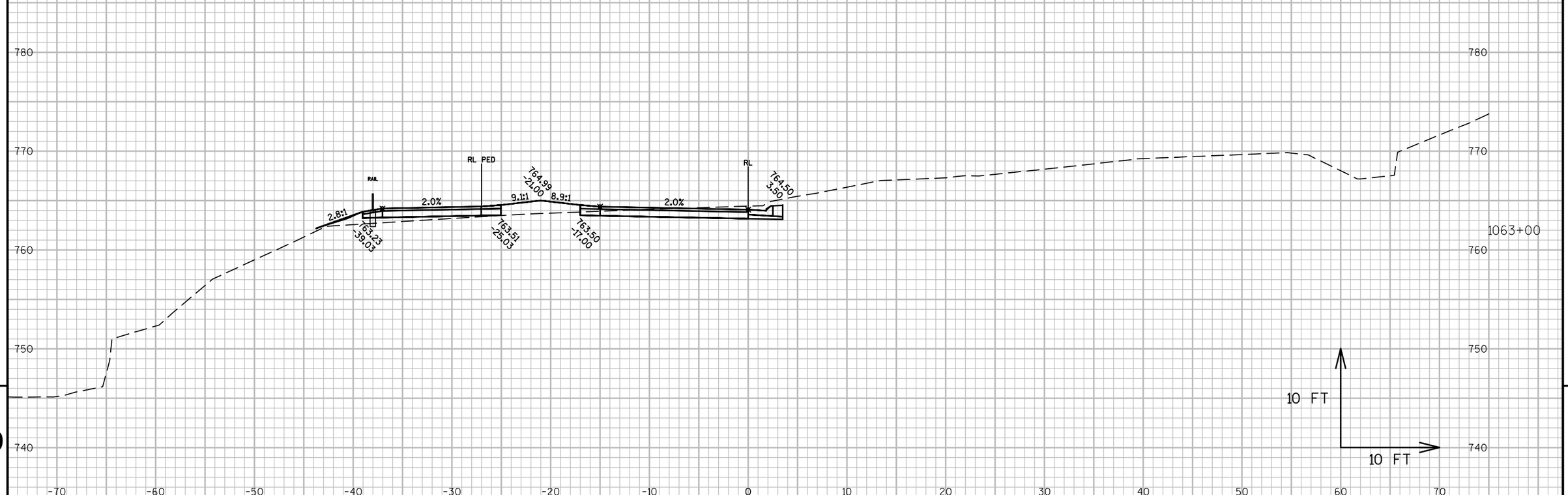
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 515	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (25)

PLOT DATE : 6/6/2017 9:34 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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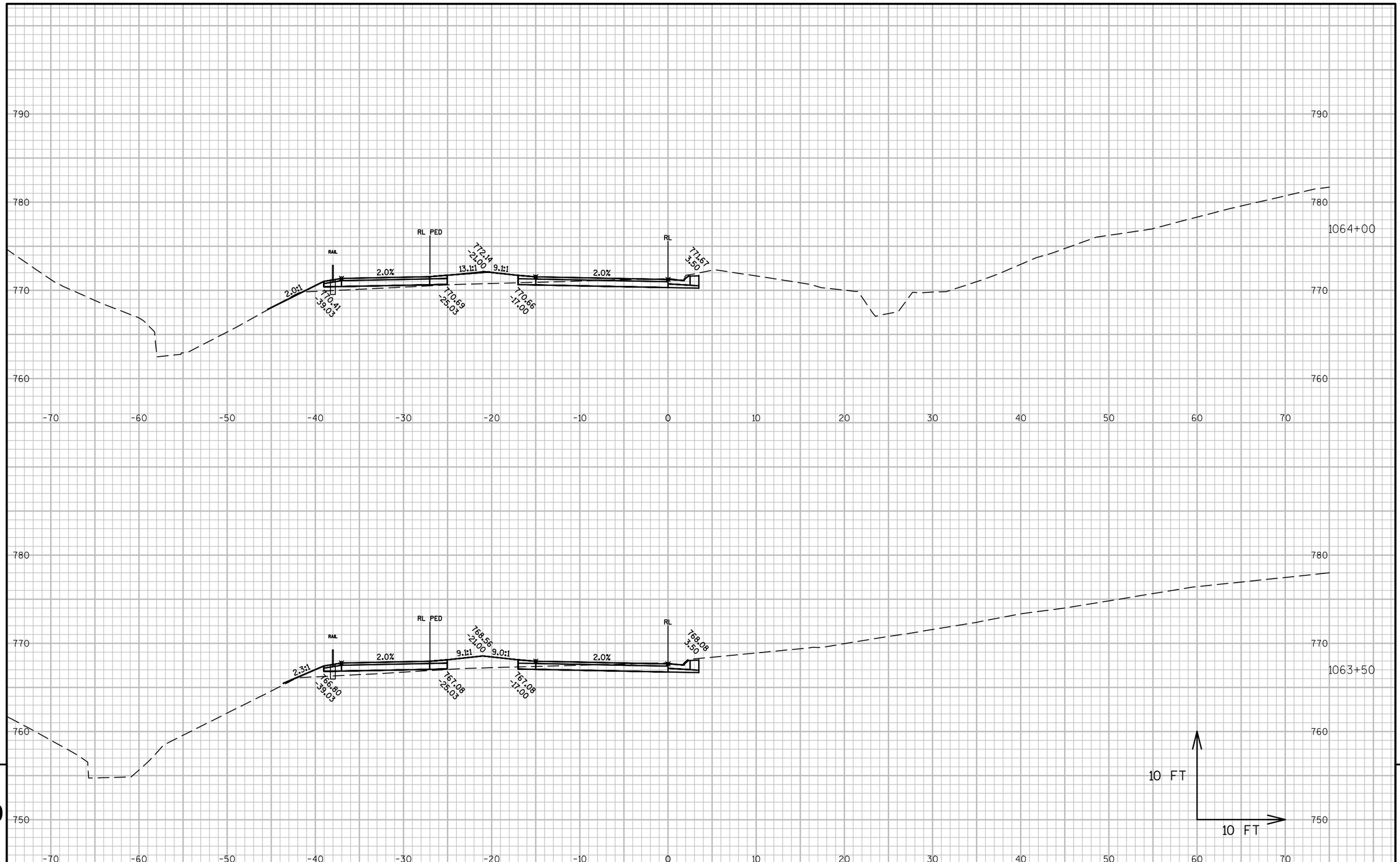
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 516	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (26)

PLOT DATE : 6/6/2017 9:34 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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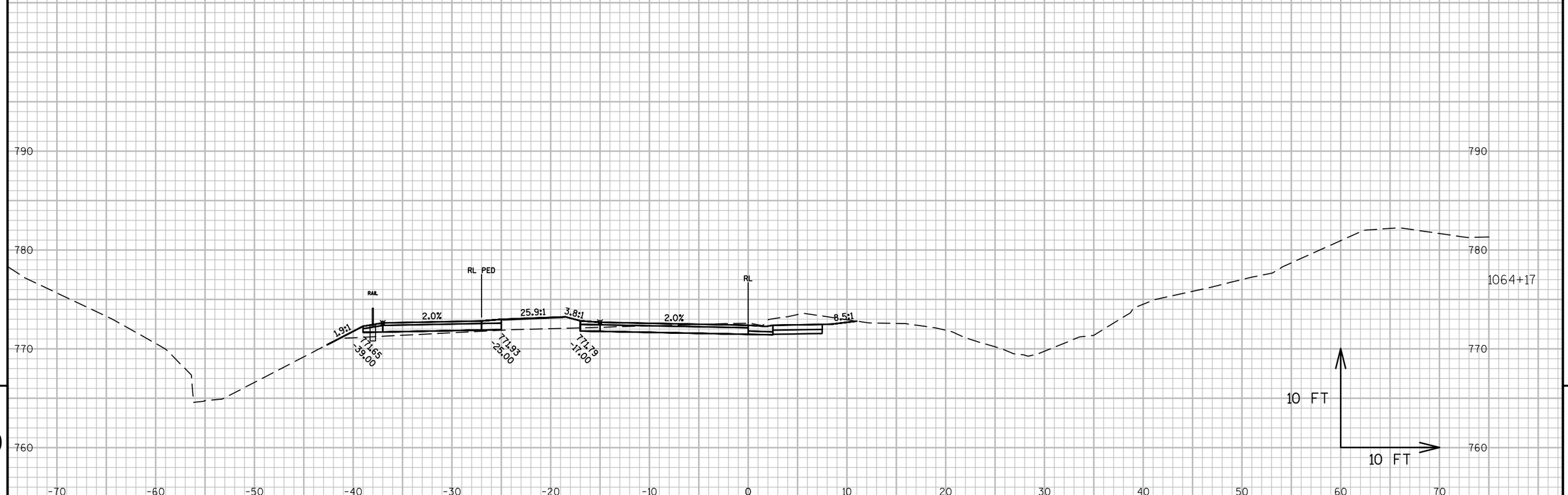
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 517	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (27)

PLOT DATE : 6/6/2017 9:34 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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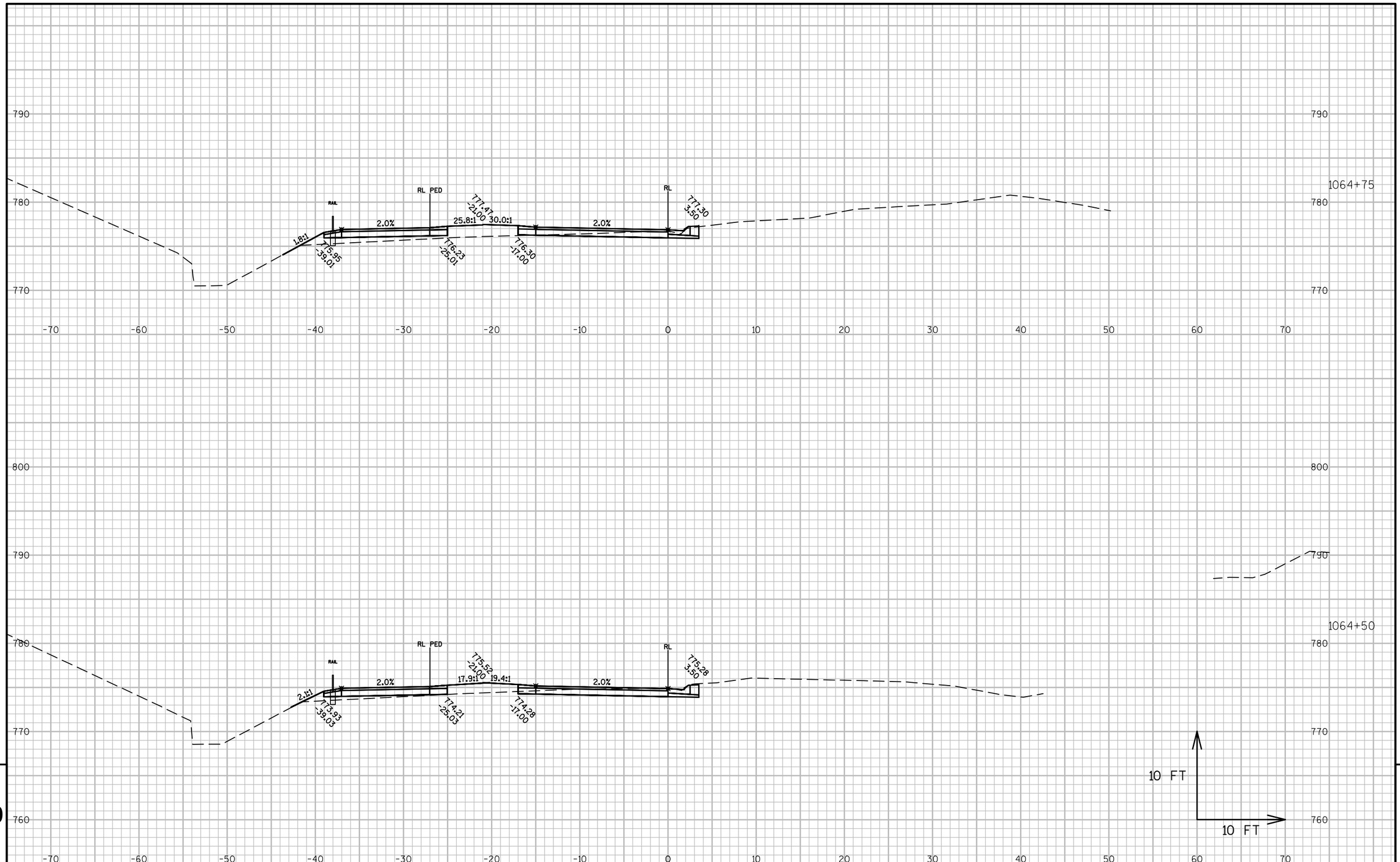
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 518	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (28)

PLOT DATE : 6/6/2017 9:34 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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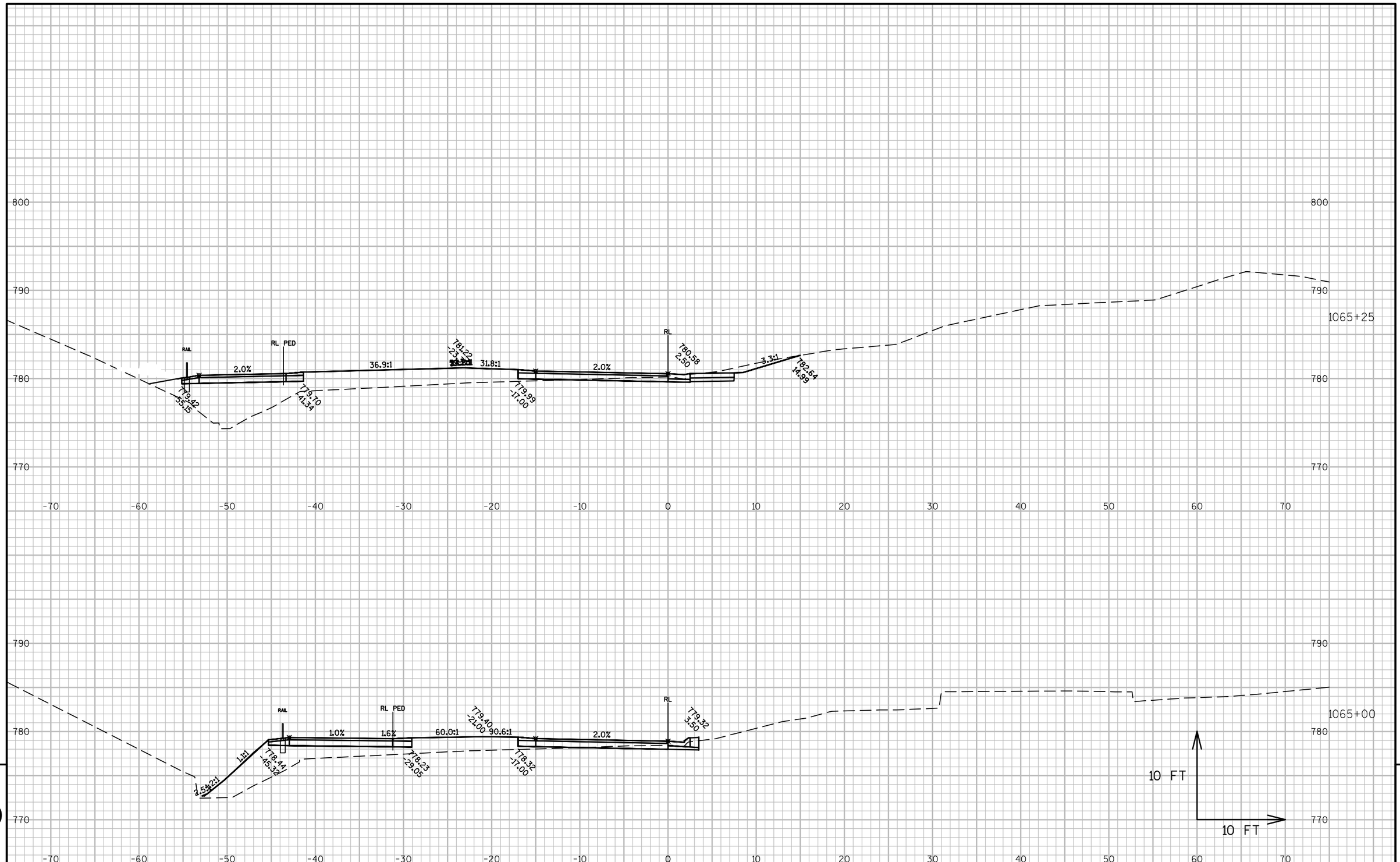
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 519	E

9

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (29)

PLOT DATE : 6/6/2017 9:35 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 520	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (30)

PLOT DATE : 6/6/2017 9:35 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

9

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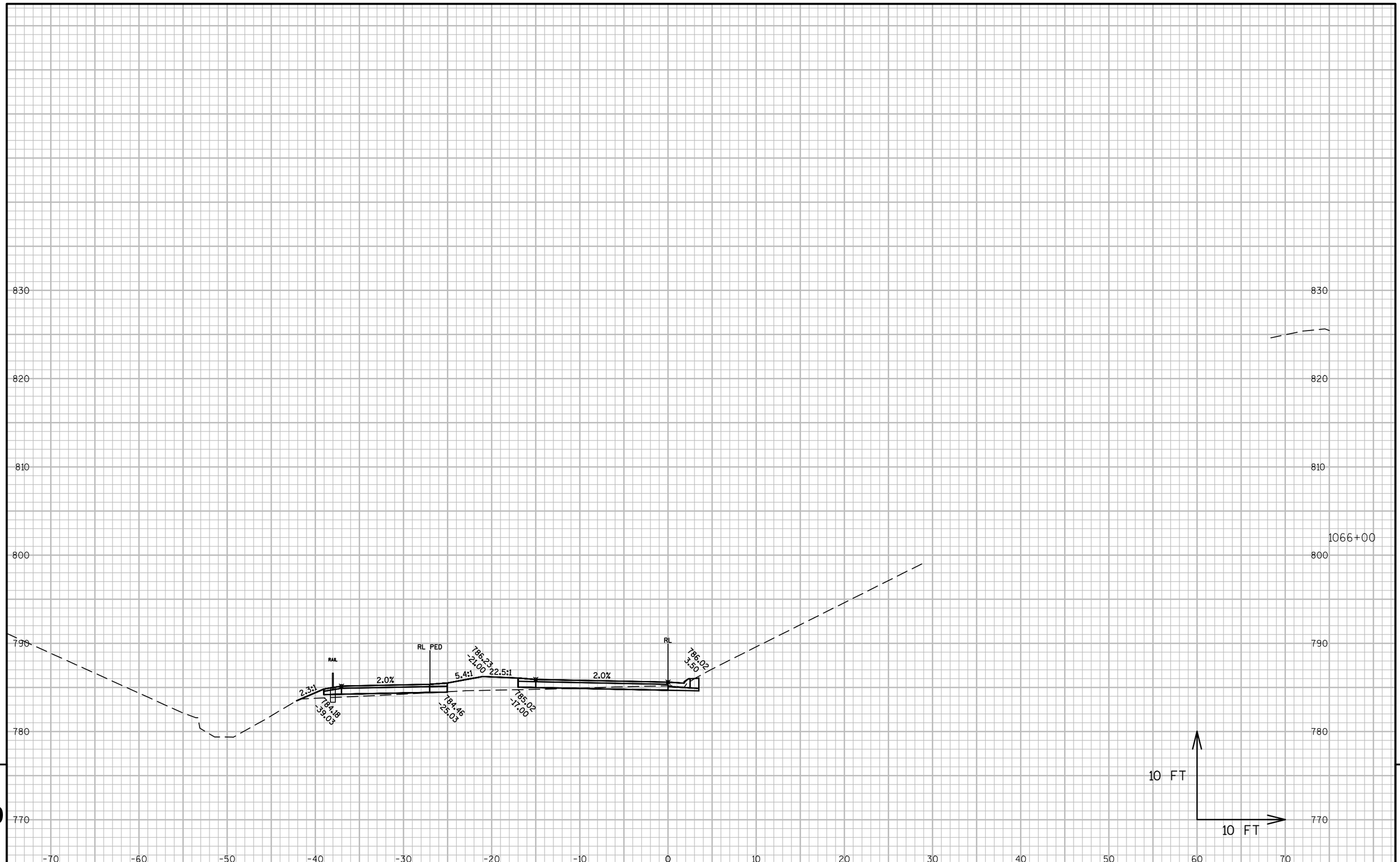
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 521	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (31)

PLOT DATE : 6/6/2017 9:35 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

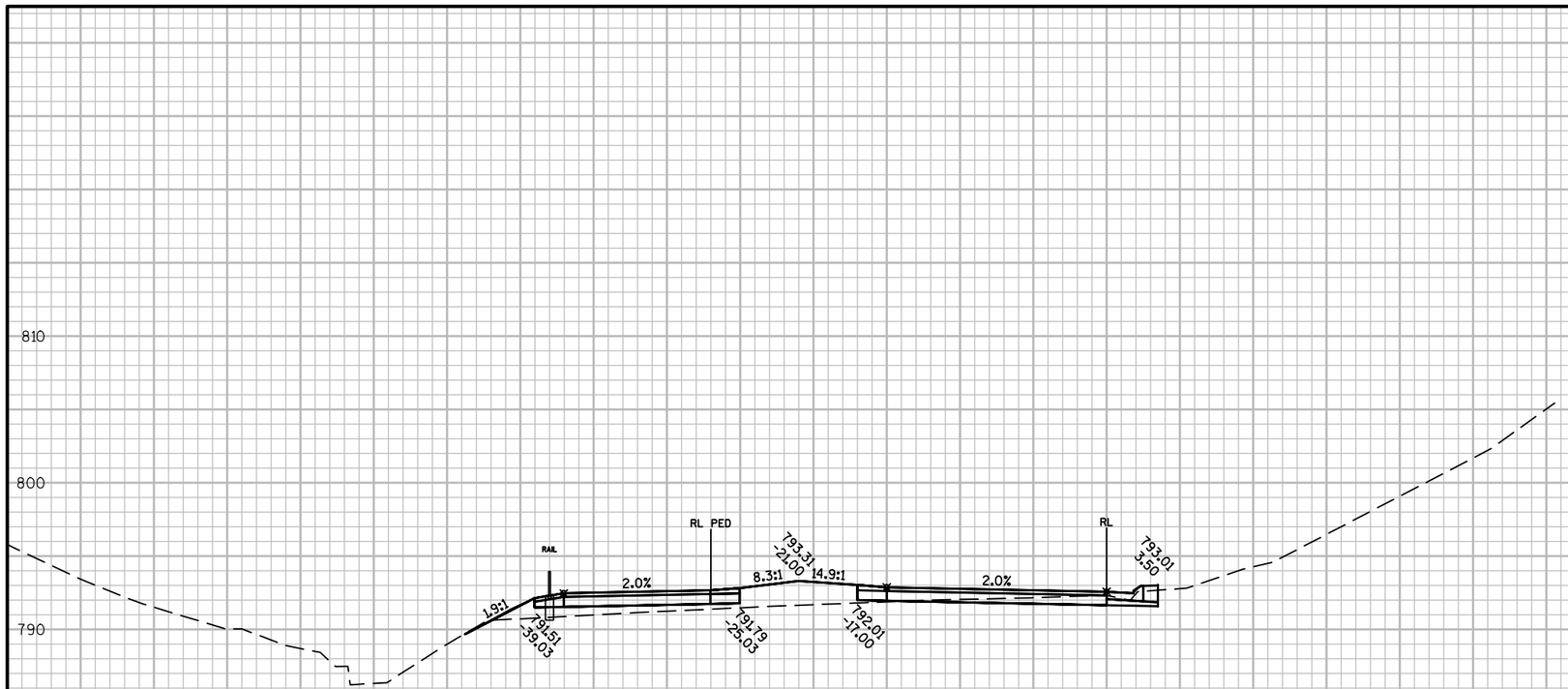


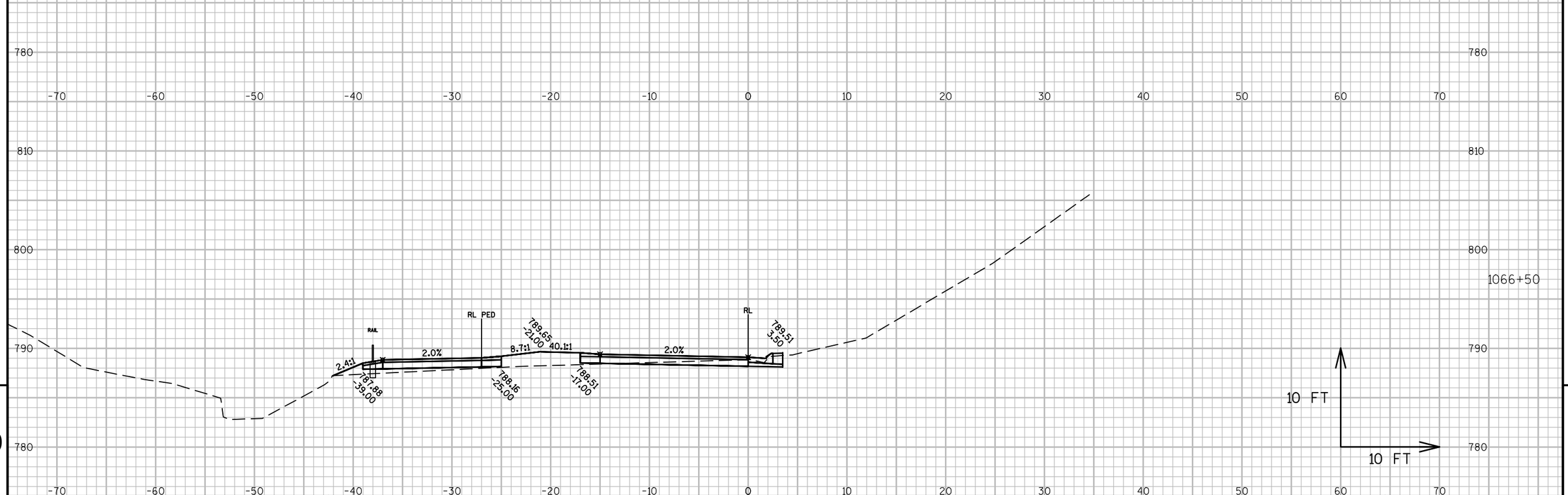
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 522 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (32)

PLOT DATE : 6/6/2017 9:35 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49





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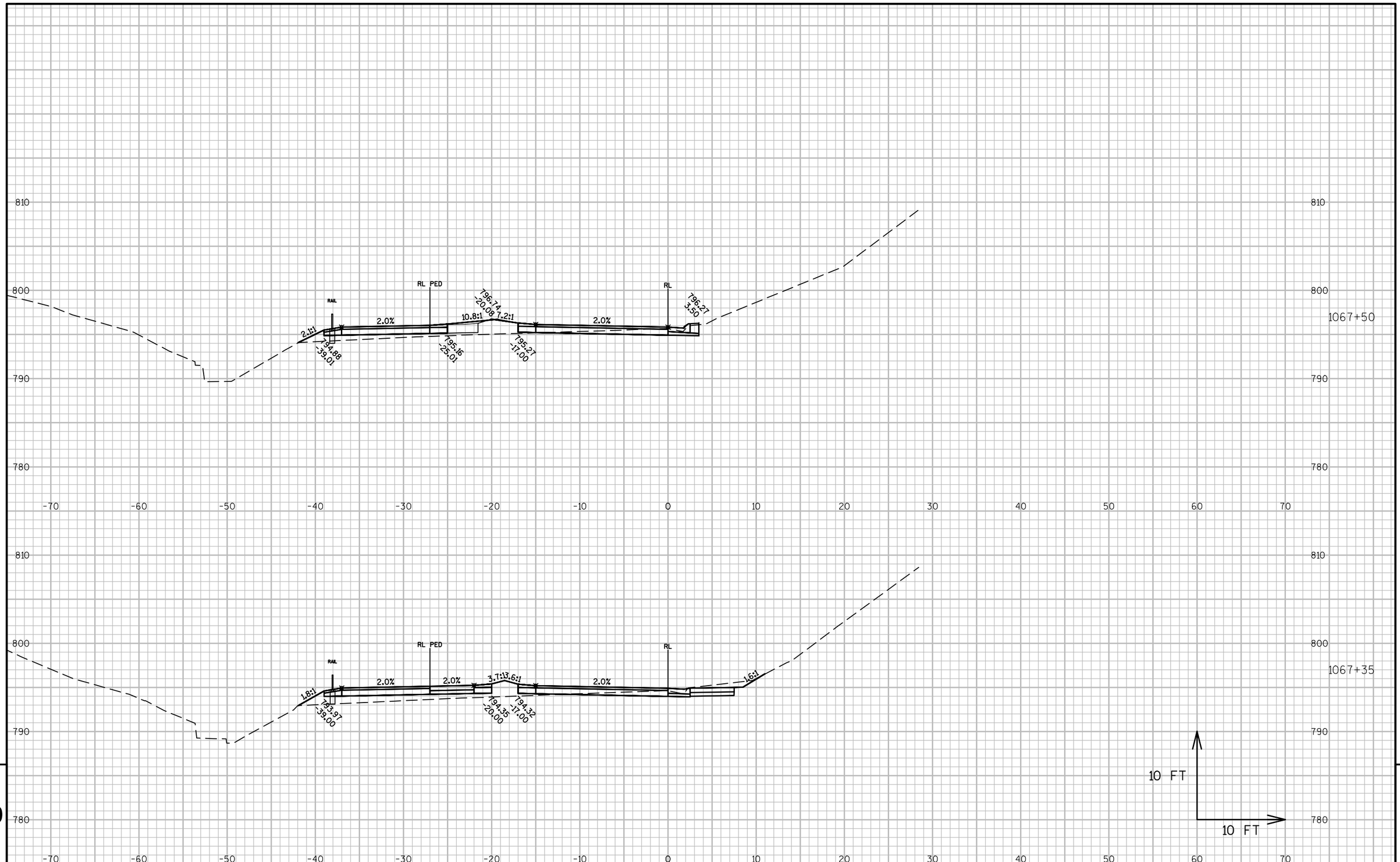
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 523	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (33)

PLOT DATE : 6/6/2017 9:35 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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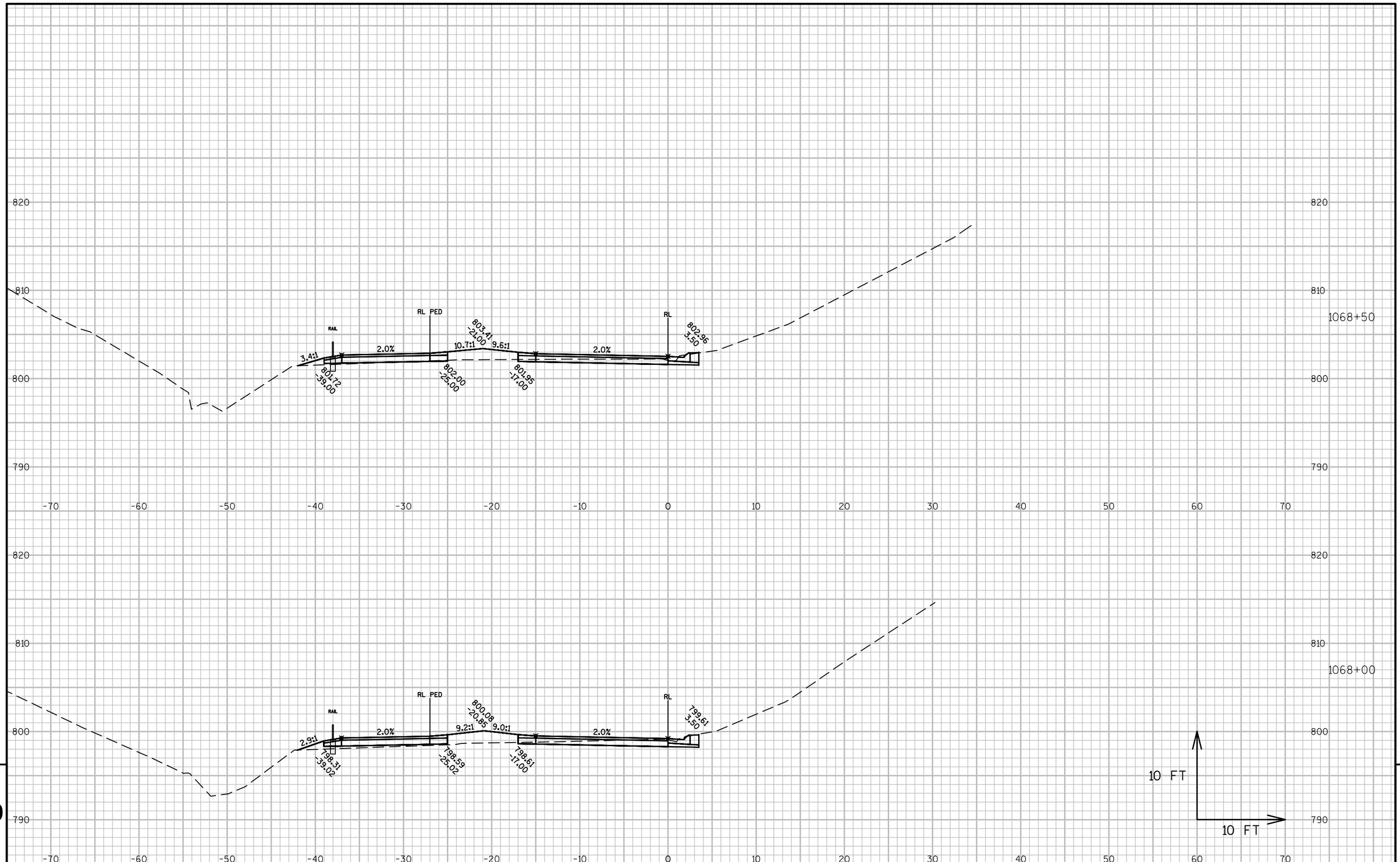
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 524	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (34)

PLOT DATE : 6/6/2017 9:35 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

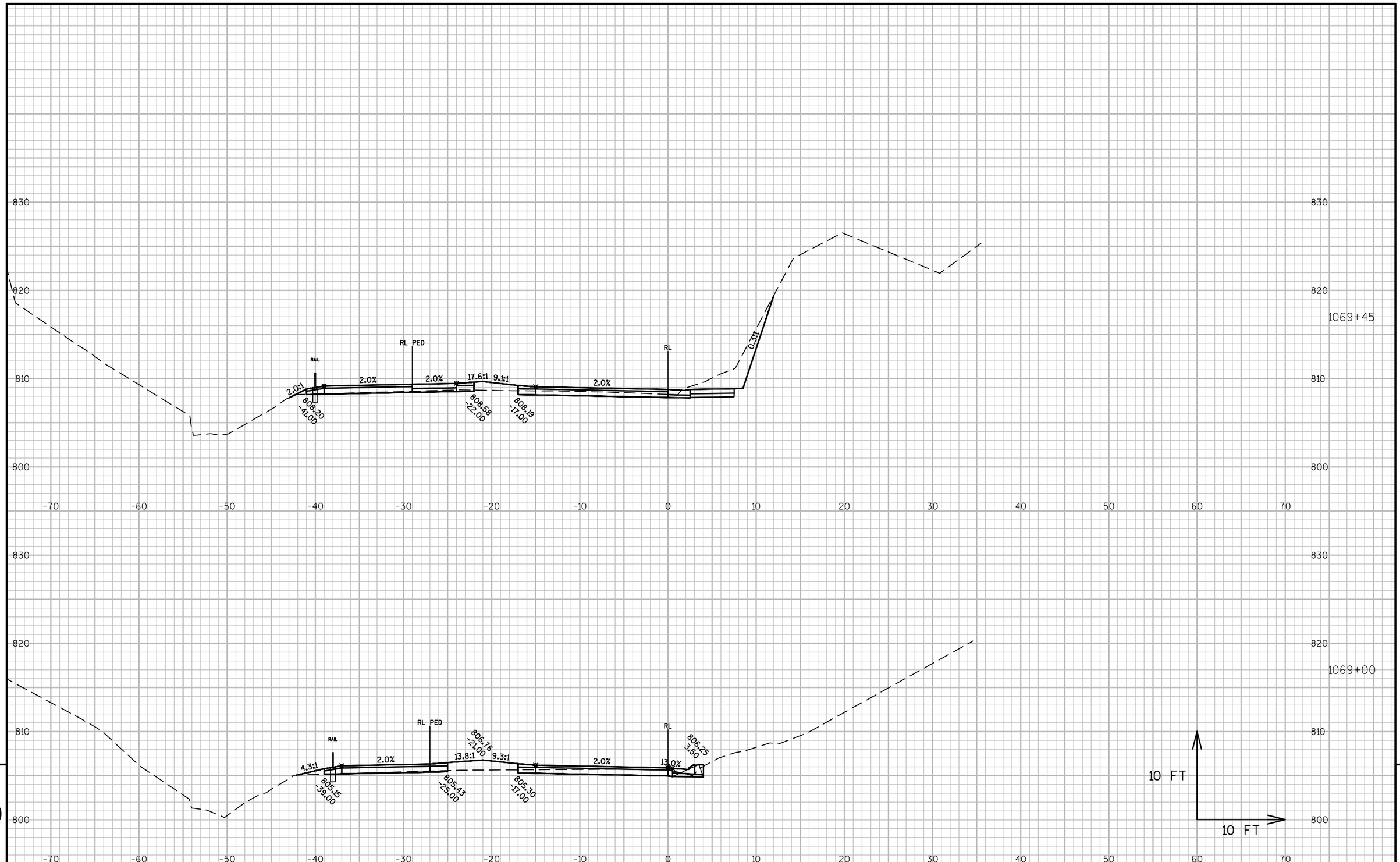


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 525 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (35)

PLOT DATE : 6/6/2017 9:35 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

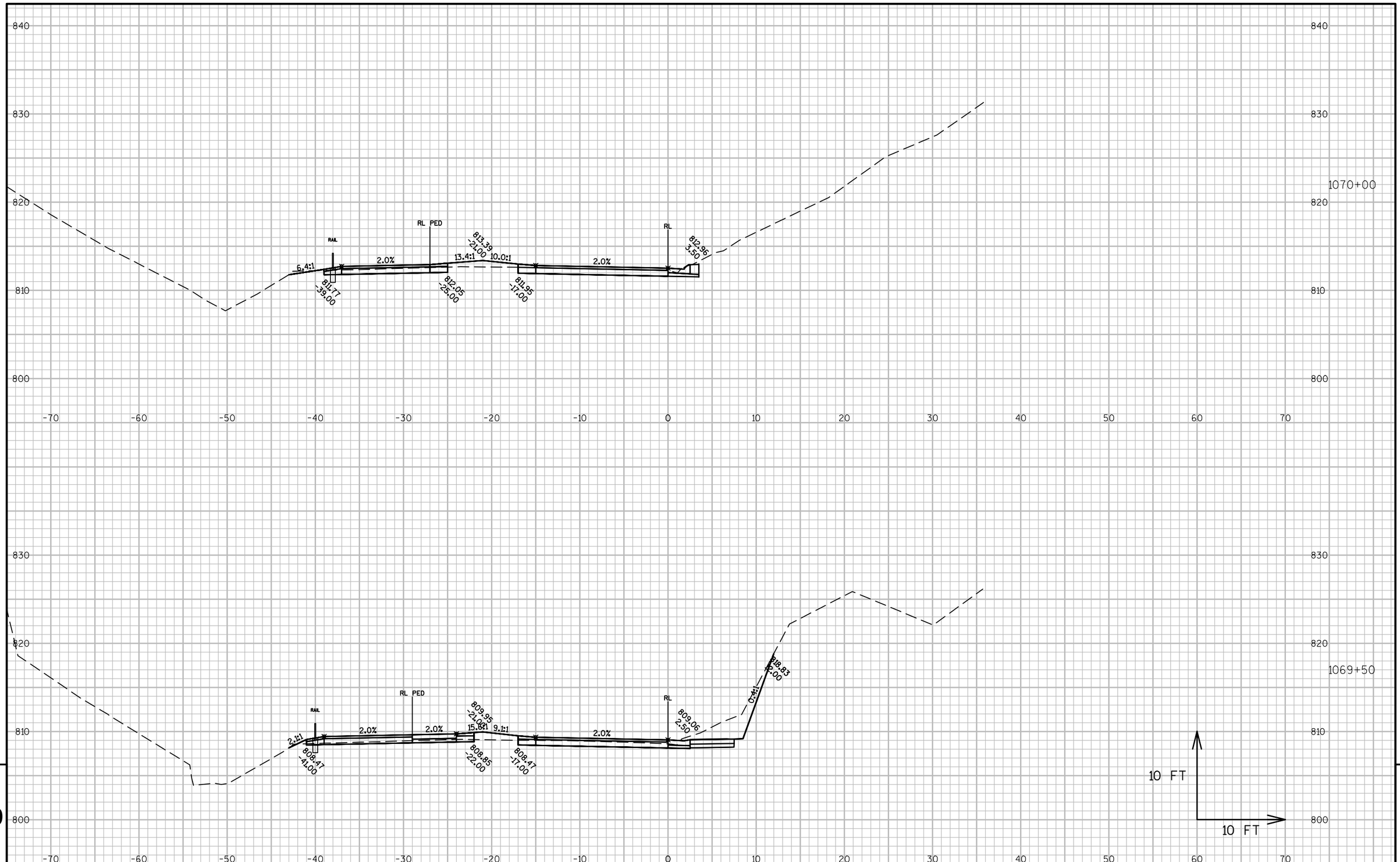


PROJECT NO: XXXXXXXX HWY: XXXTH 64 COUNTY: XXXT. CROIX CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64 SHEET 526 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (36)

PLOT DATE : 6/6/2017 9:36 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

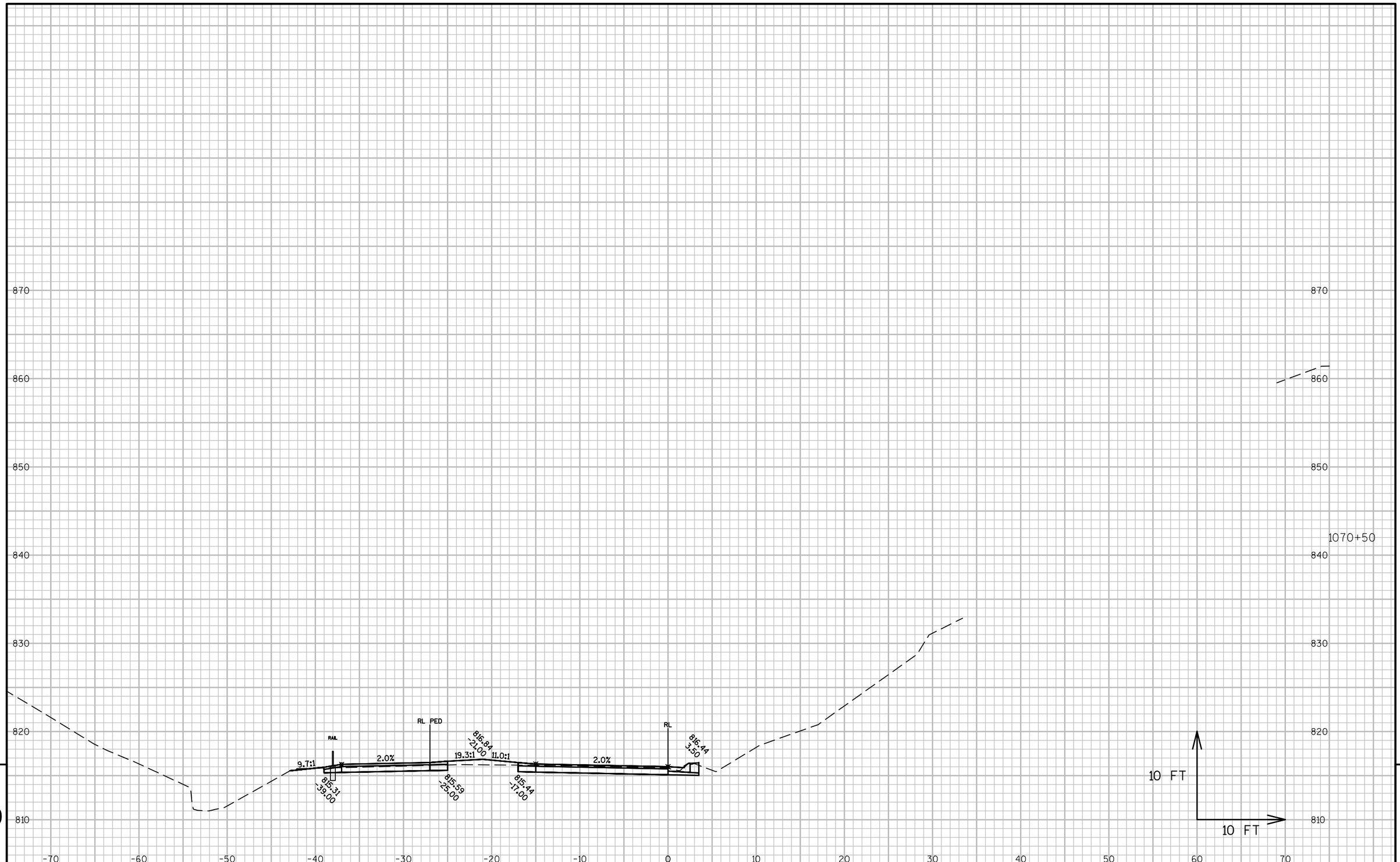


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 527 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (37)

PLOT DATE : 6/6/2017 9:36 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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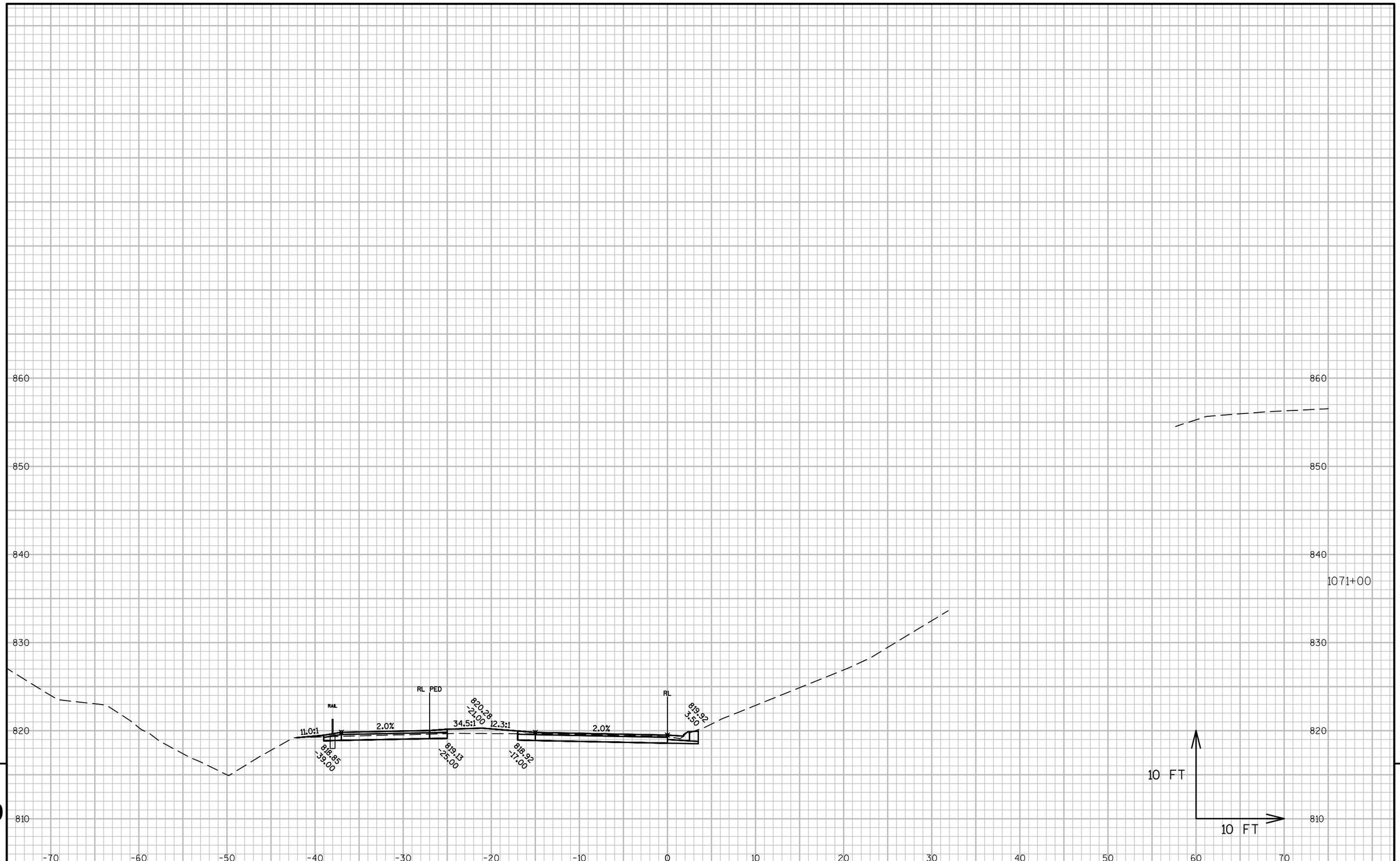
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 528	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (38)

PLOT DATE : 6/6/2017 9:36 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



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PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 529	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (39)

PLOT DATE : 6/6/2017 9:36 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

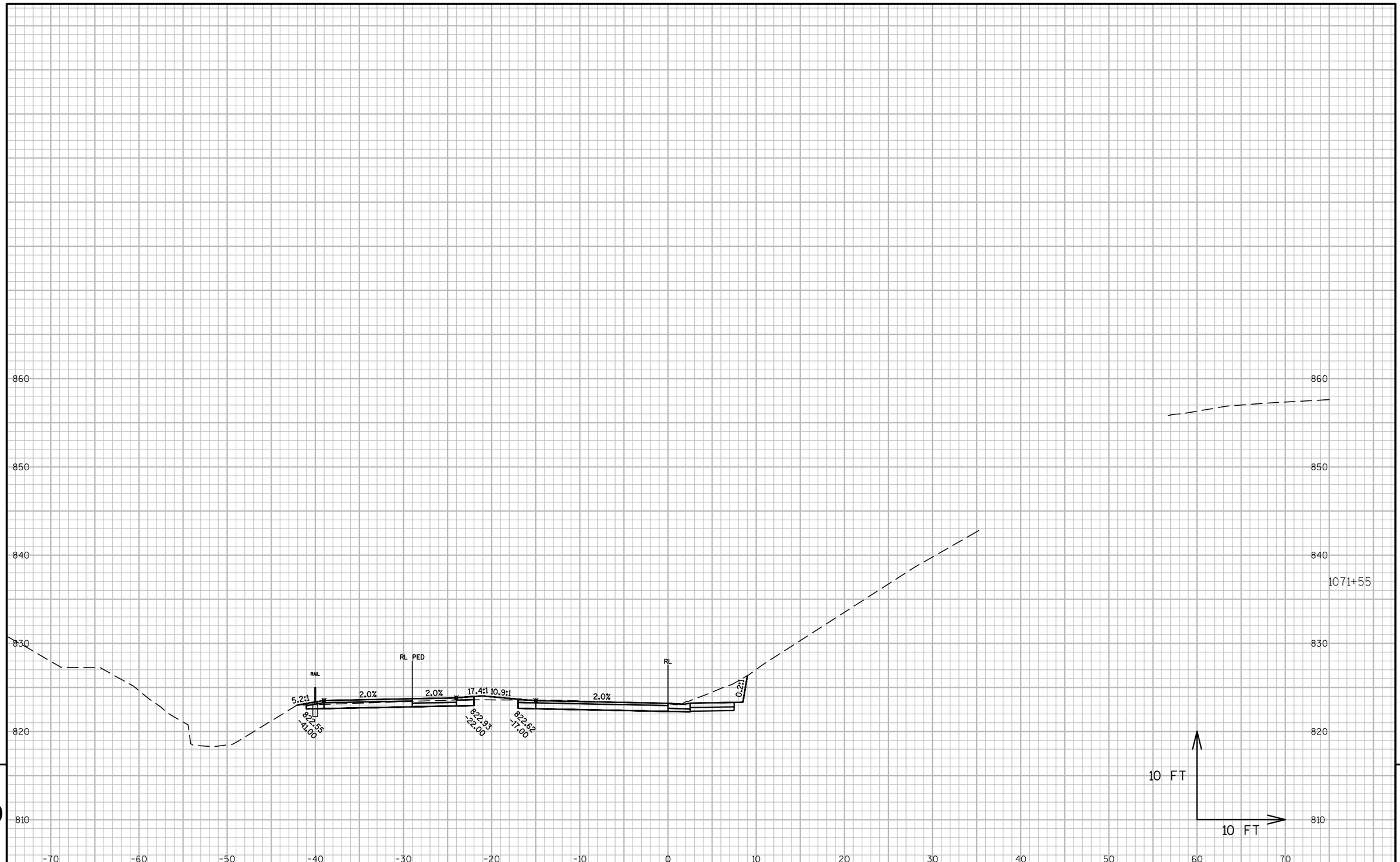
9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 530	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (40)

PLOT DATE : 6/6/2017 9:36 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 531	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (41)

PLOT DATE : 6/6/2017 9:36 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

9

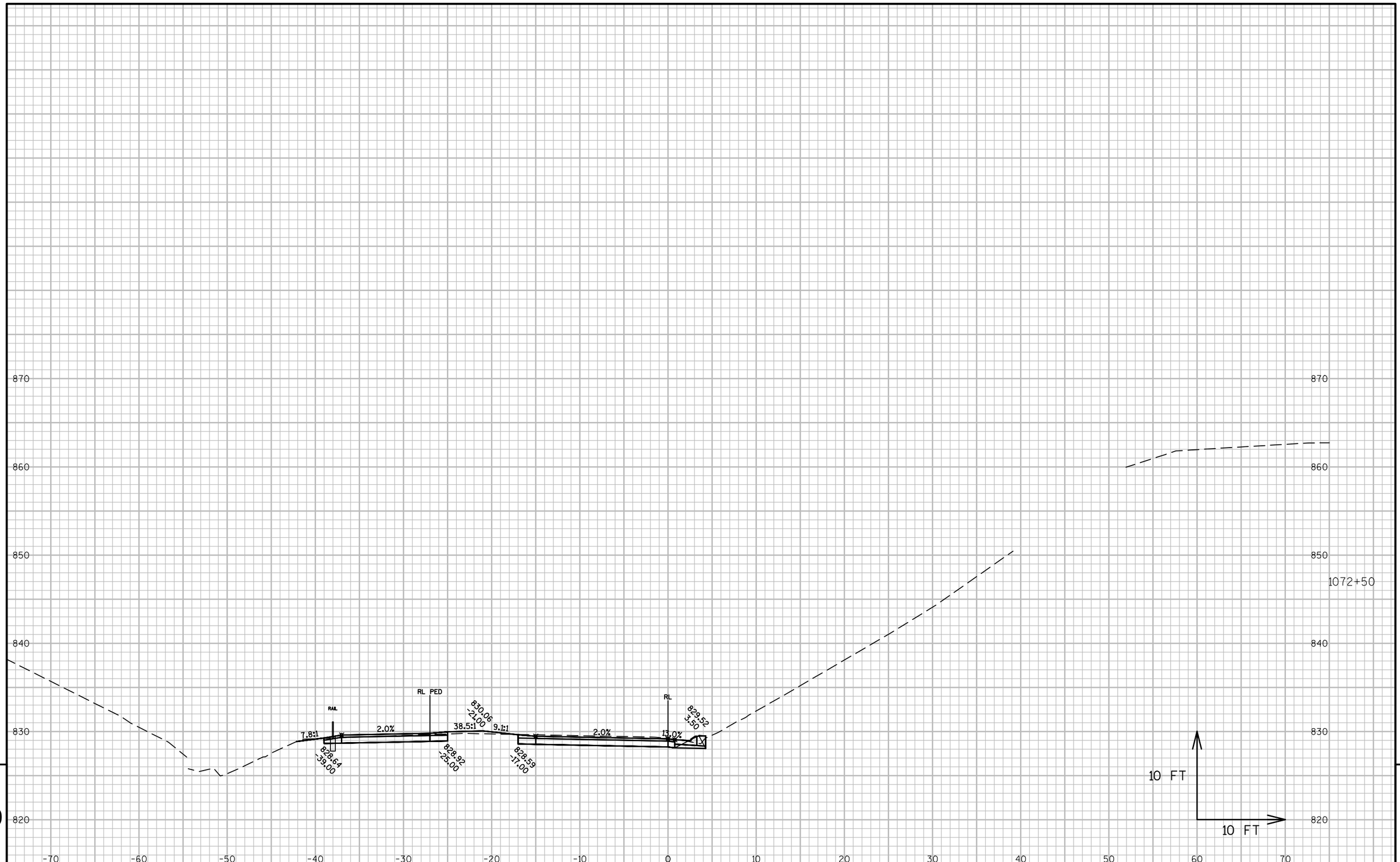
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 532	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (42)

PLOT DATE : 6/6/2017 9:36 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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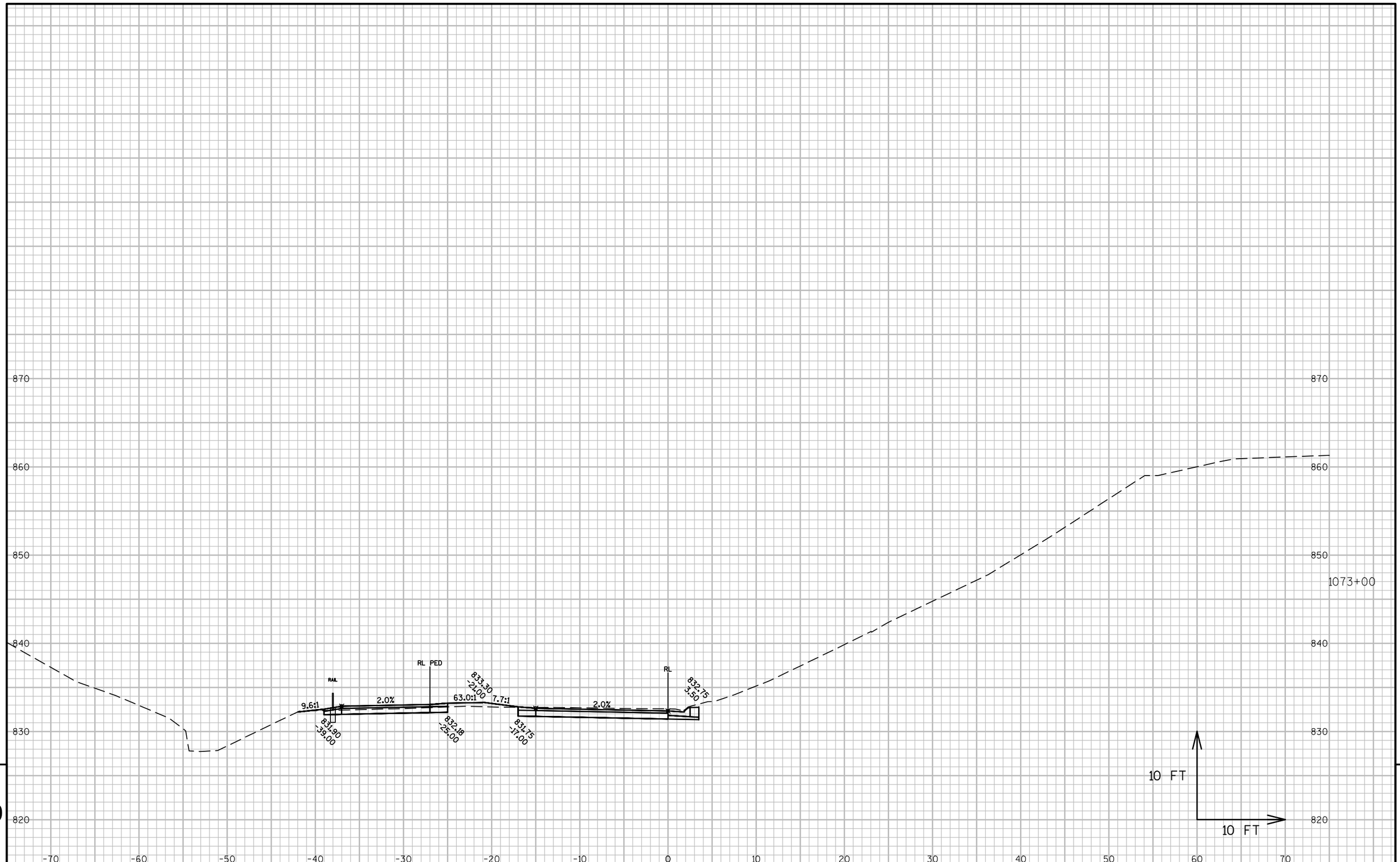
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 533	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (43)

PLOT DATE : 6/6/2017 9:37 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



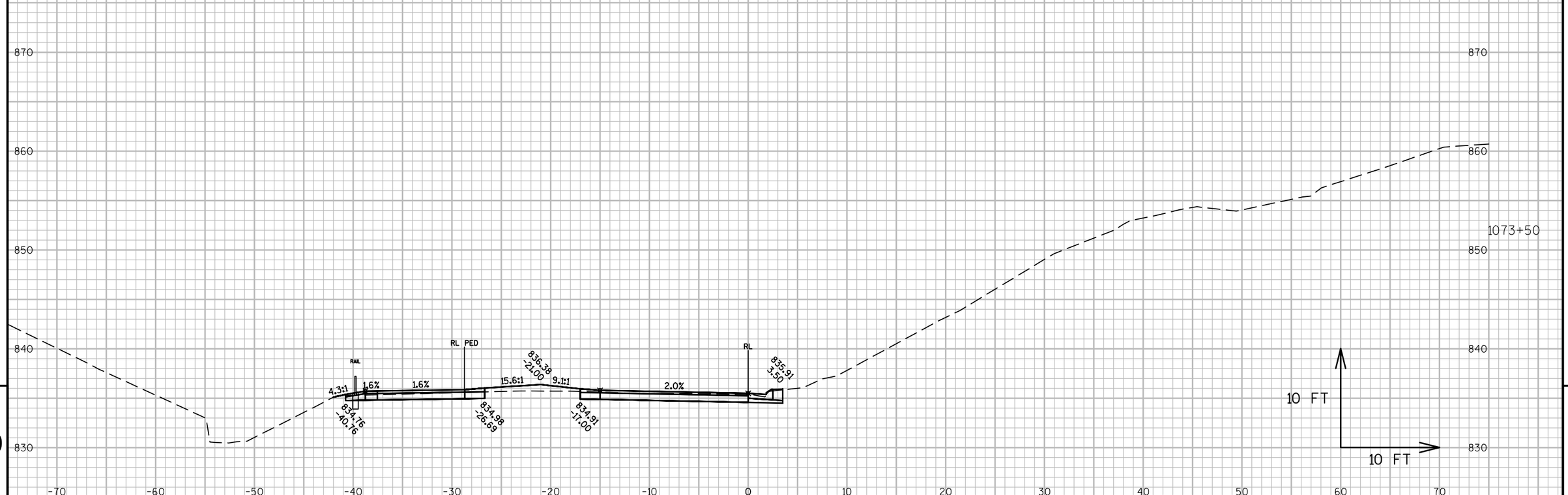
9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 534 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (44)

PLOT DATE : 6/6/2017 9:37 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



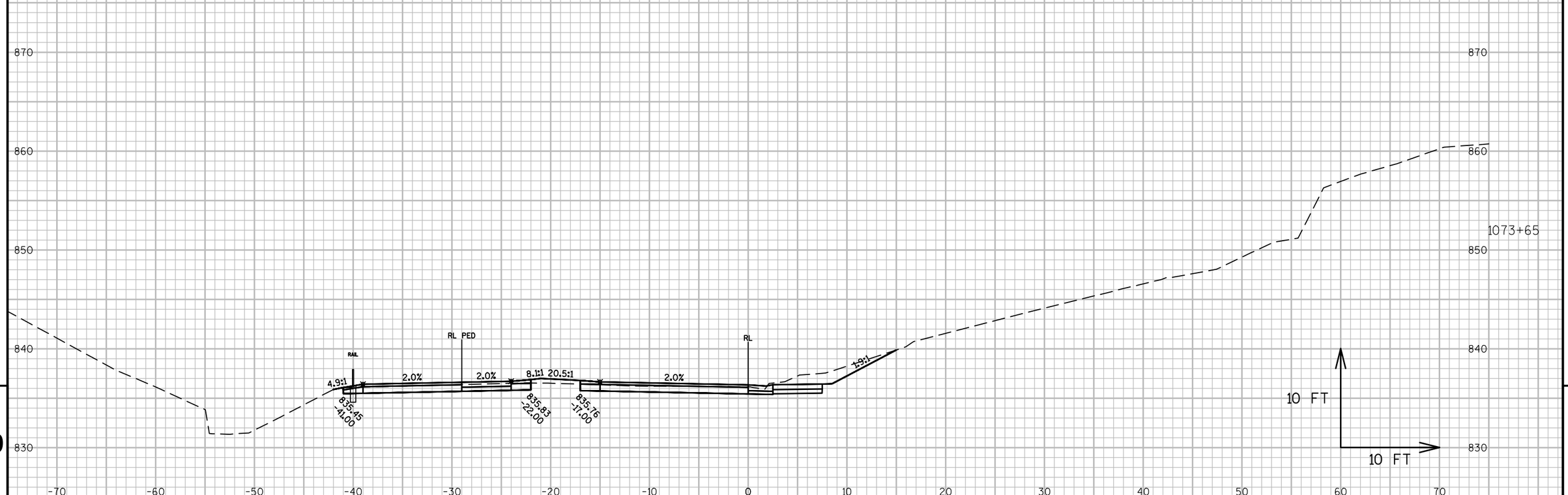
9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 535 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (45)

PLOT DATE : 6/6/2017 9:37 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

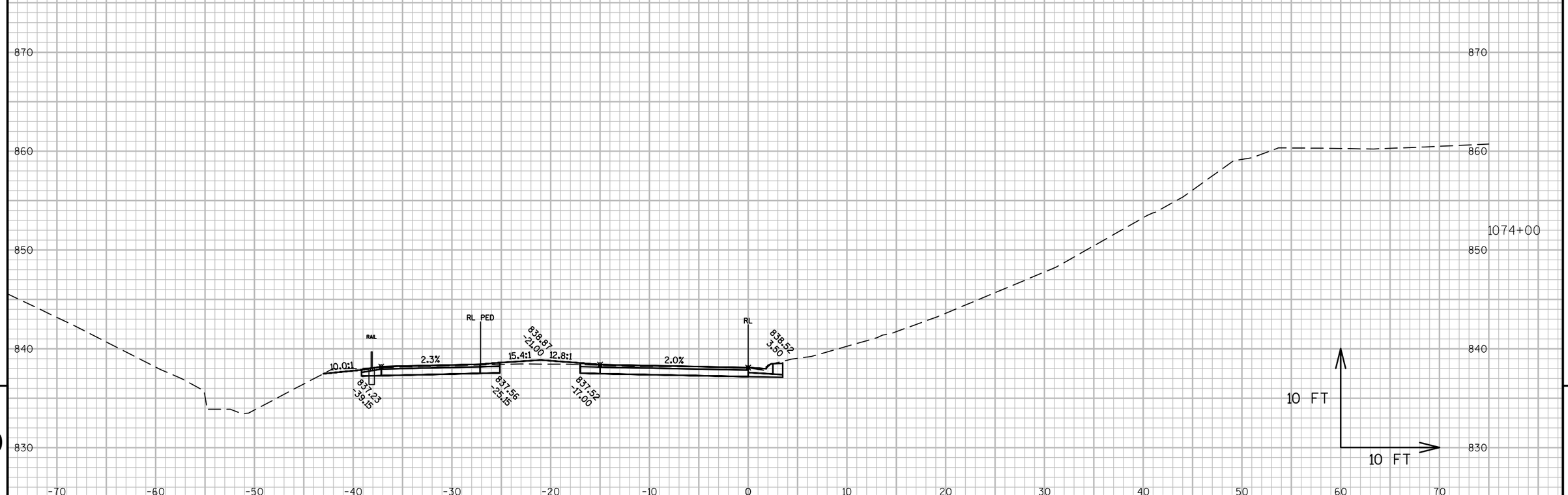
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 536	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (46)

PLOT DATE : 6/6/2017 9:37 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 537 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (47)

PLOT DATE : 6/6/2017 9:37 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 538	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (48)

PLOT DATE : 6/6/2017 9:37 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

9

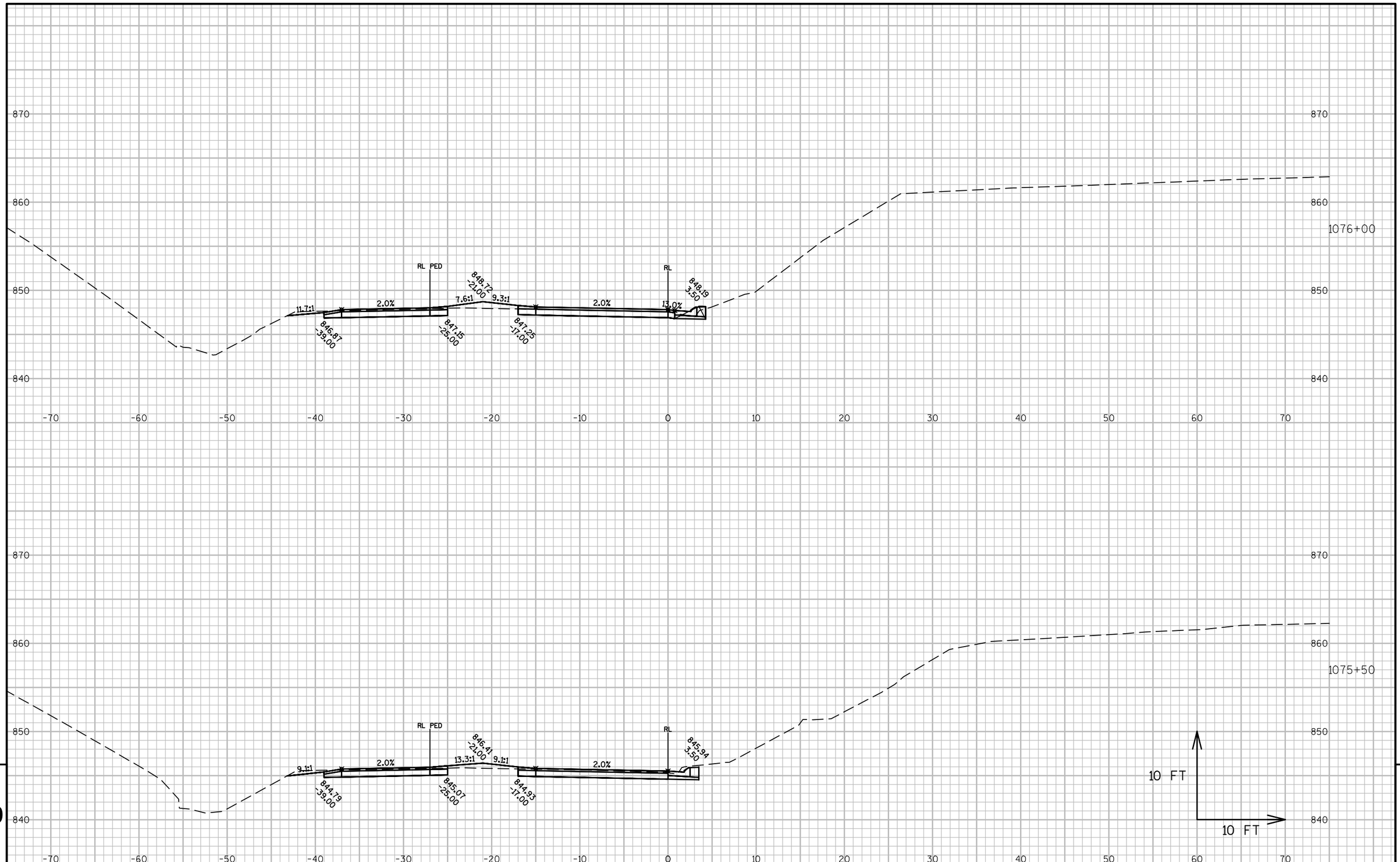
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 539	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (49)

PLOT DATE : 6/6/2017 9:37 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

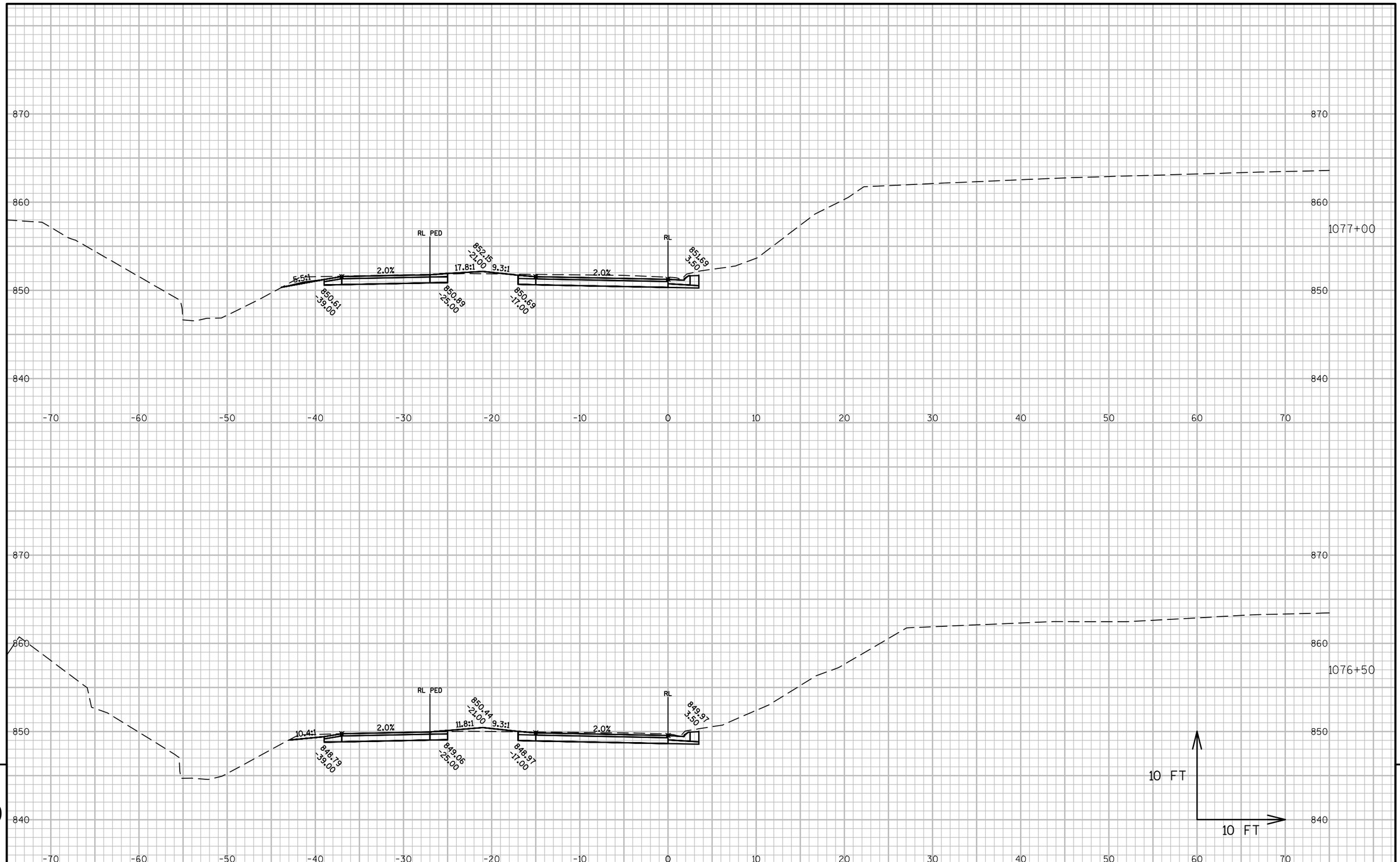
WISDOT/CADDS SHEET 49



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 540	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (50)

PLOT DATE : 6/6/2017 9:38 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

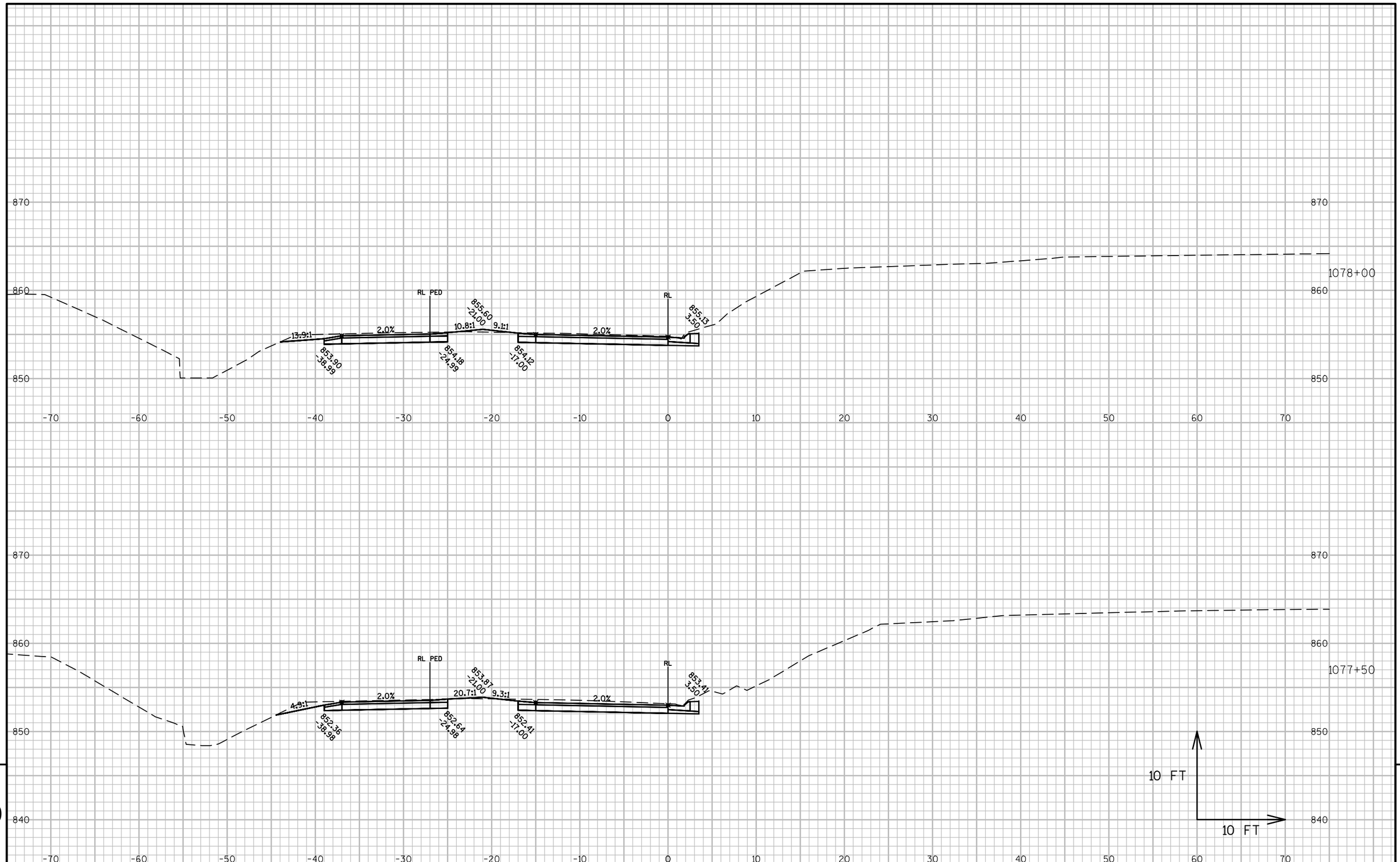


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 541 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (51)

PLOT DATE : 6/6/2017 9:38 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

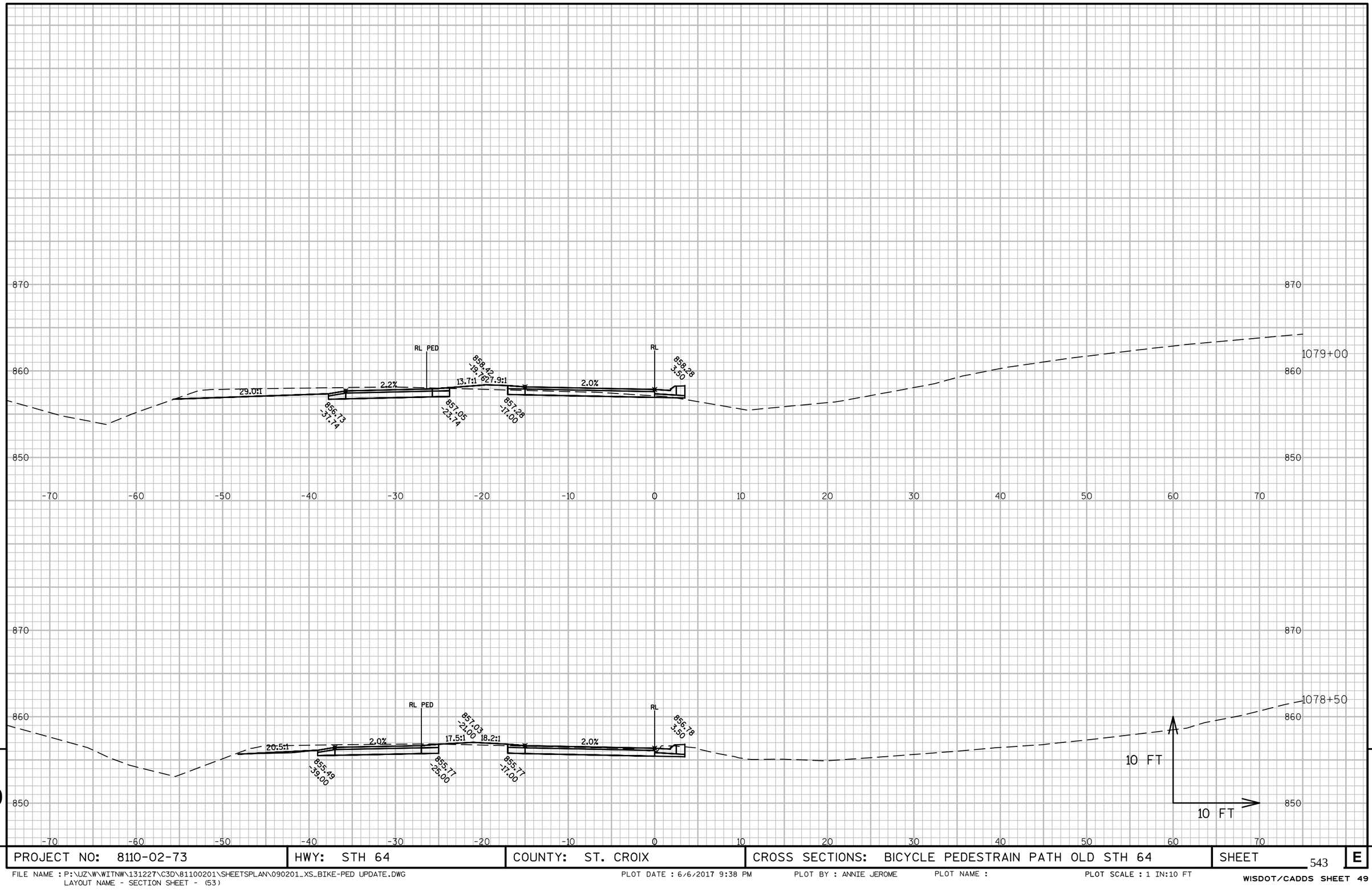


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 542 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (52)

PLOT DATE : 6/6/2017 9:38 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

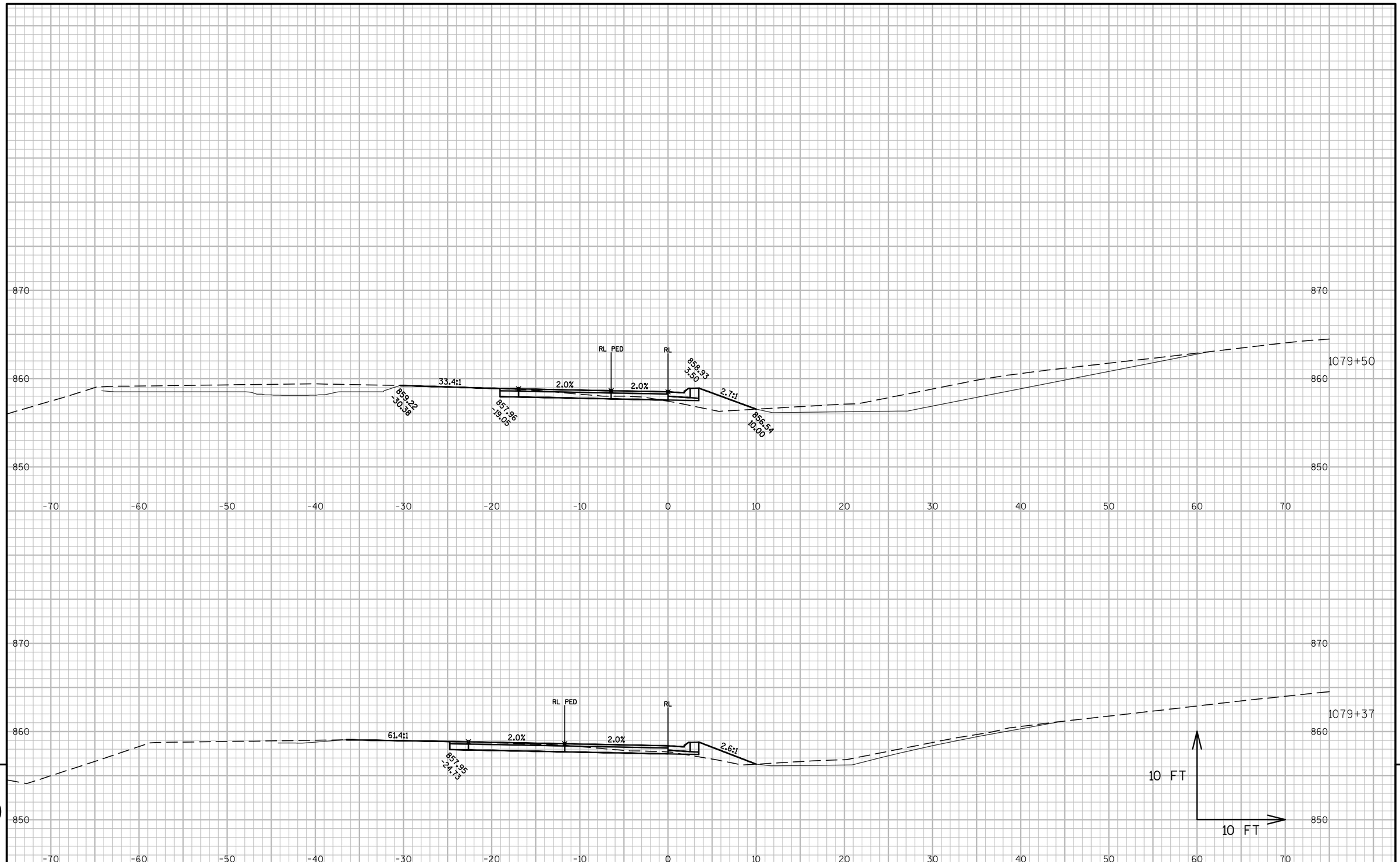
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 543	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (53)

PLOT DATE : 6/6/2017 9:38 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 544	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (54)

PLOT DATE : 6/6/2017 9:38 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

EXISTING GROUND

870
860
850

856.00
-31.05
3.2:1
859.54
-22.98
RL
2.0%
5.0:1
857.92
7.98
856.32
16.05
1080+00

856.00
-30.63
3.3:1
859.29
-22.98
RL
PROP
2.0%
4.3:1
857.67
7.98
856.23
14.25
1079+75

10 FT
10 FT

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

9

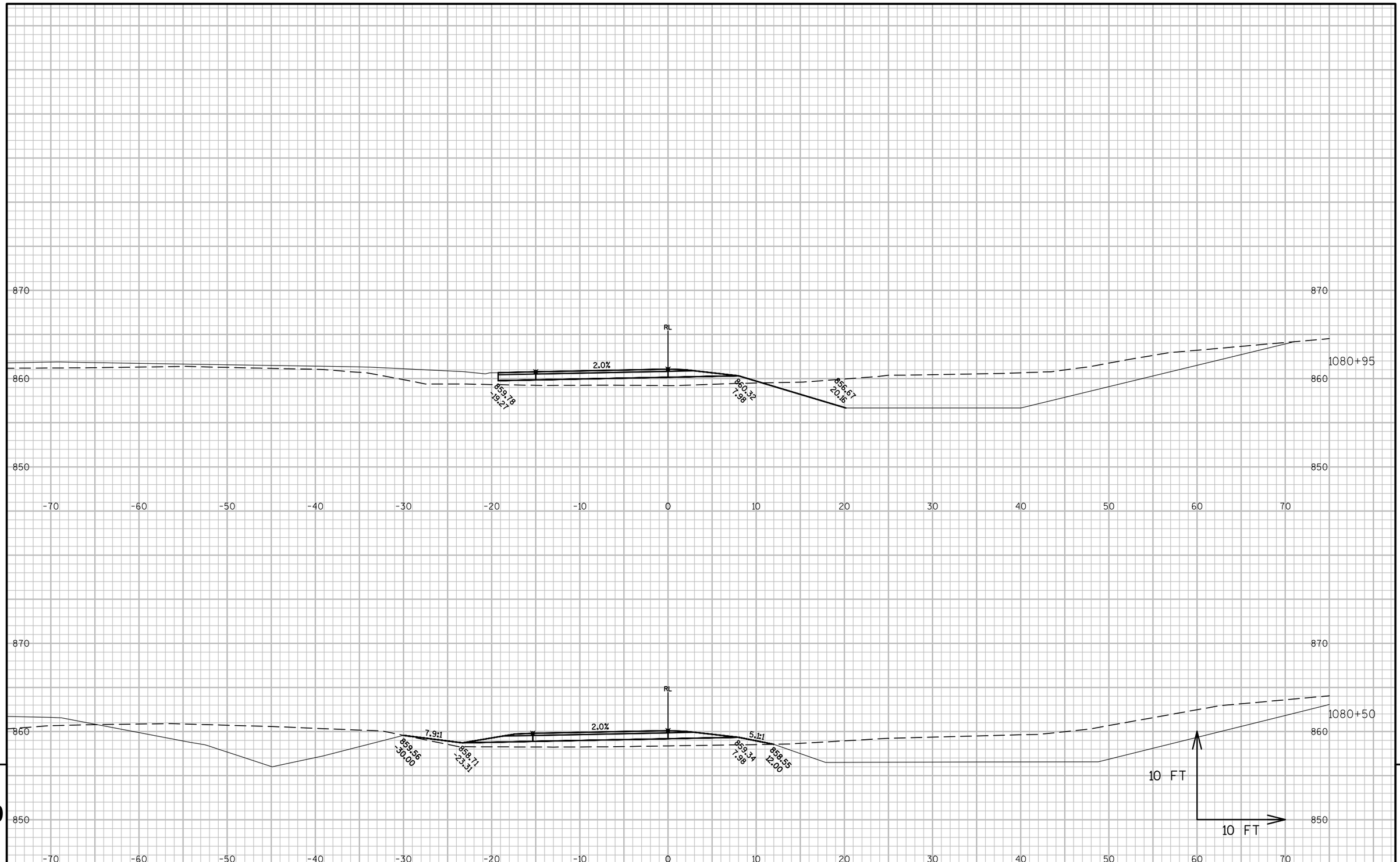
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 545	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (55)

PLOT DATE : 6/6/2017 9:38 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

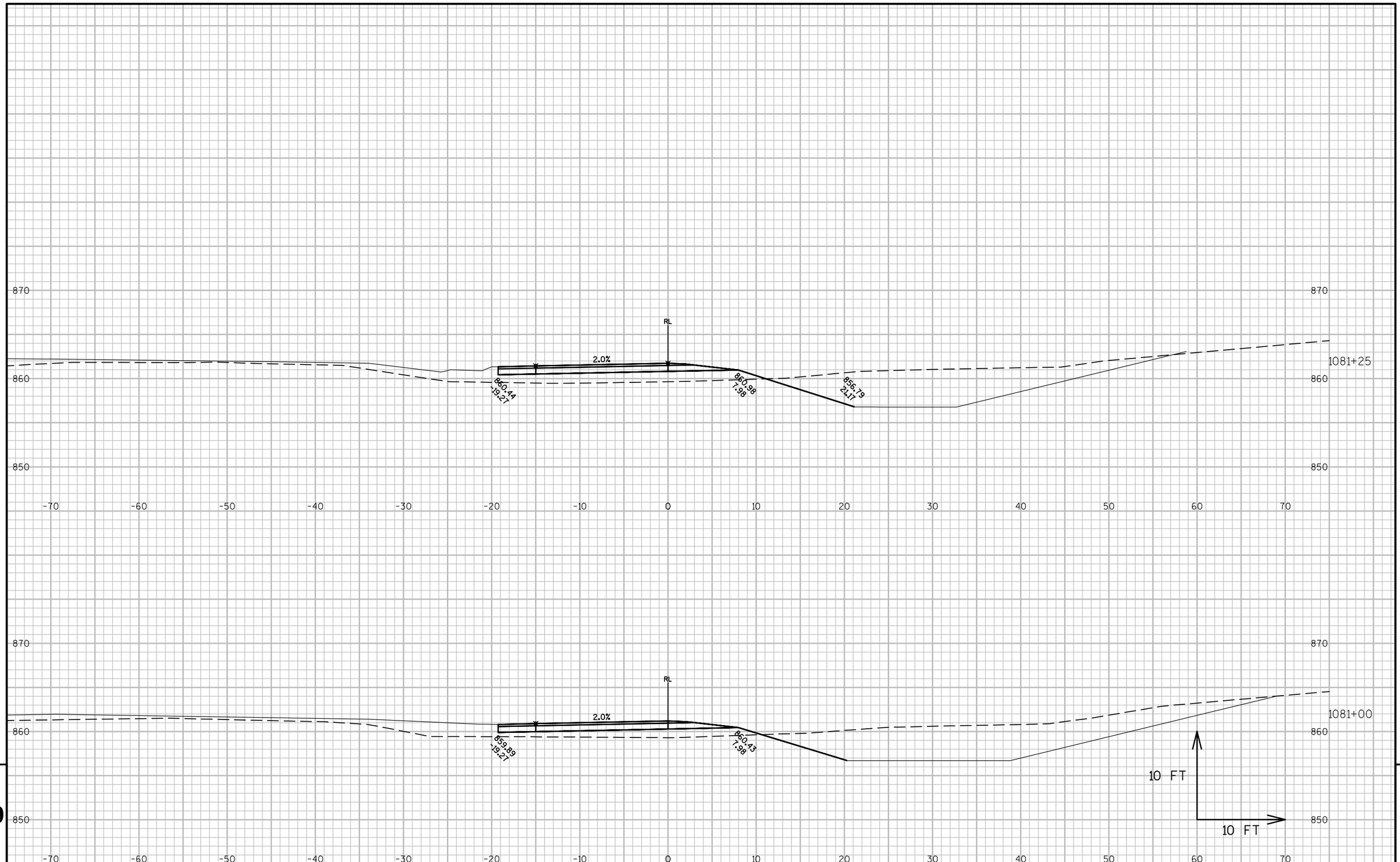


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 546 E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (56)

PLOT DATE : 6/6/2017 9:38 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

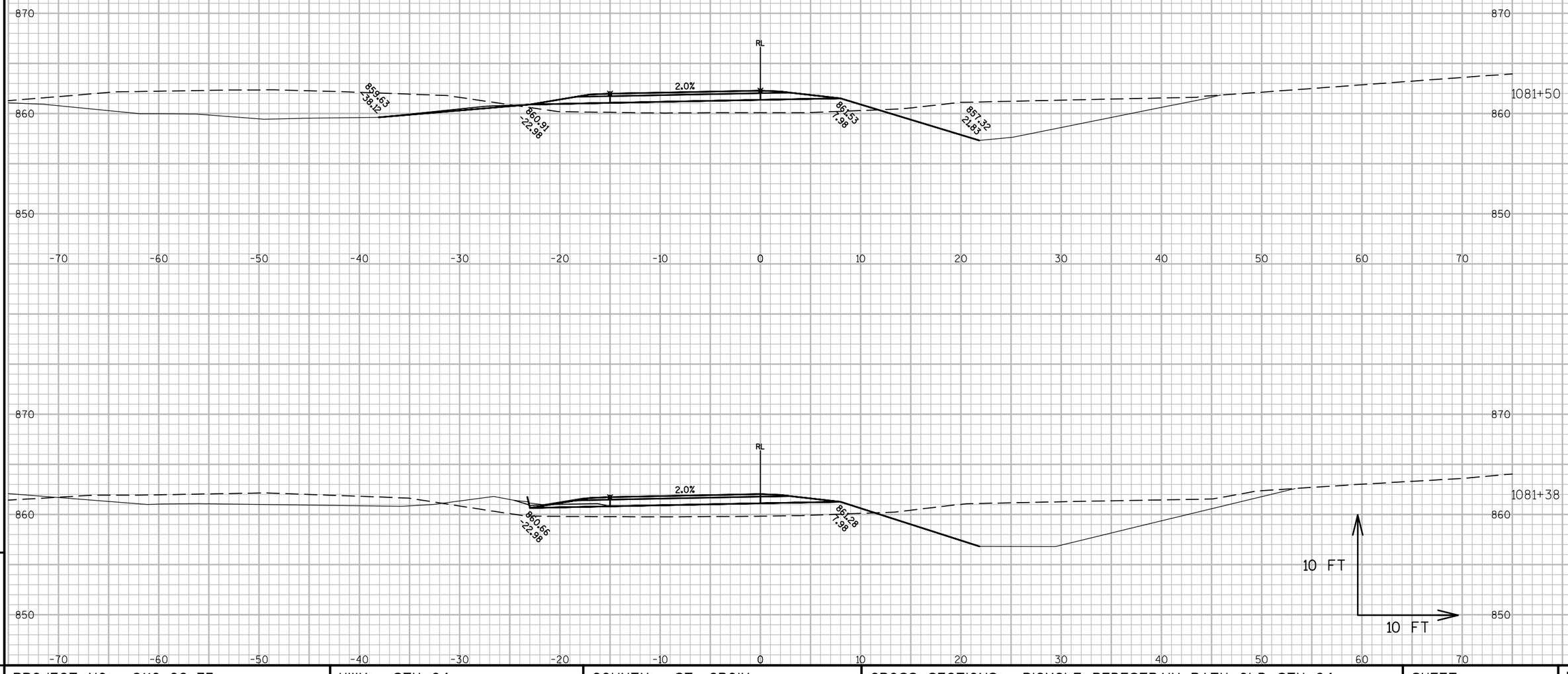
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 547	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (57)

PLOT DATE : 6/6/2017 9:39 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

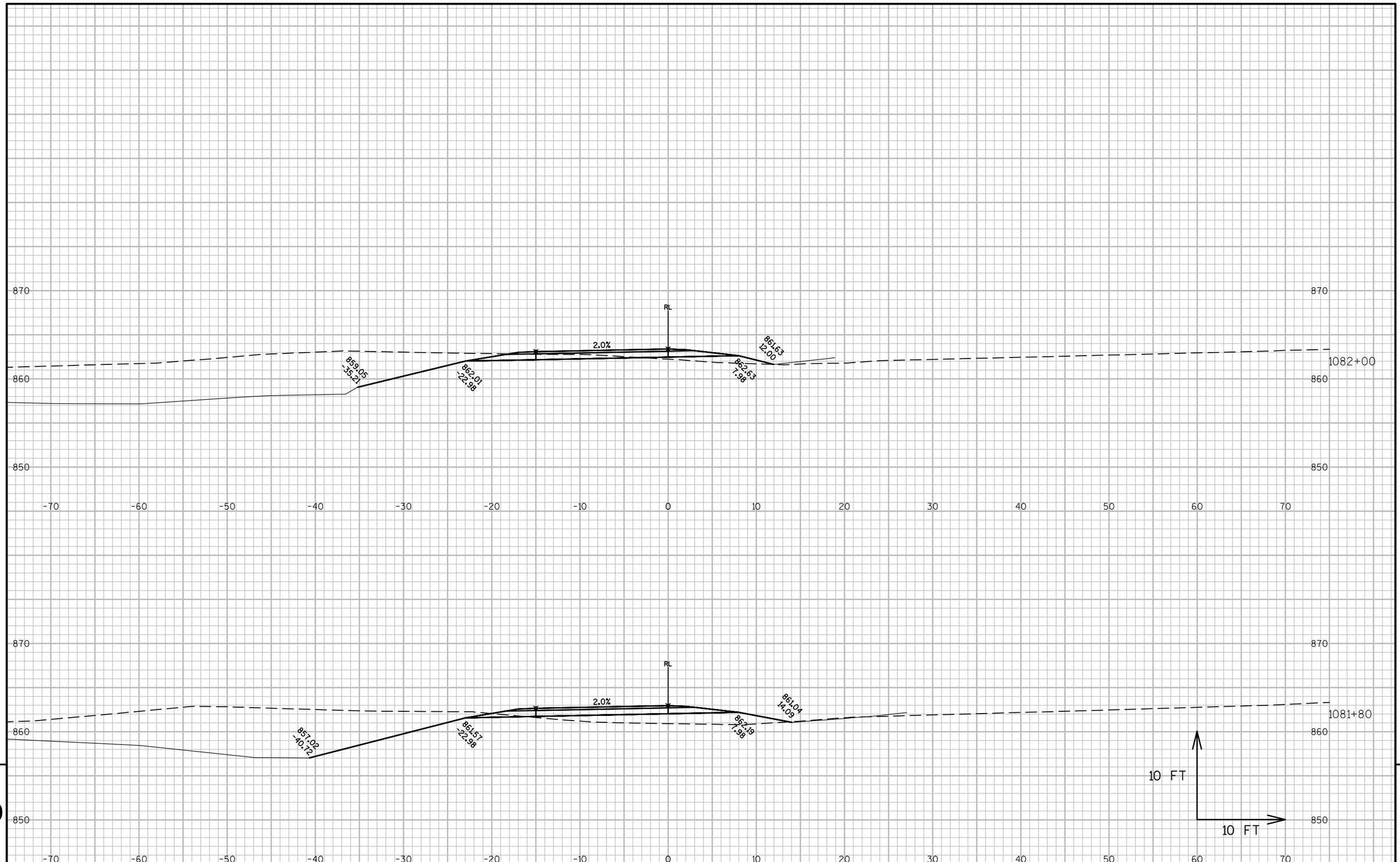


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 548	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (58)

PLOT DATE : 6/6/2017 9:39 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

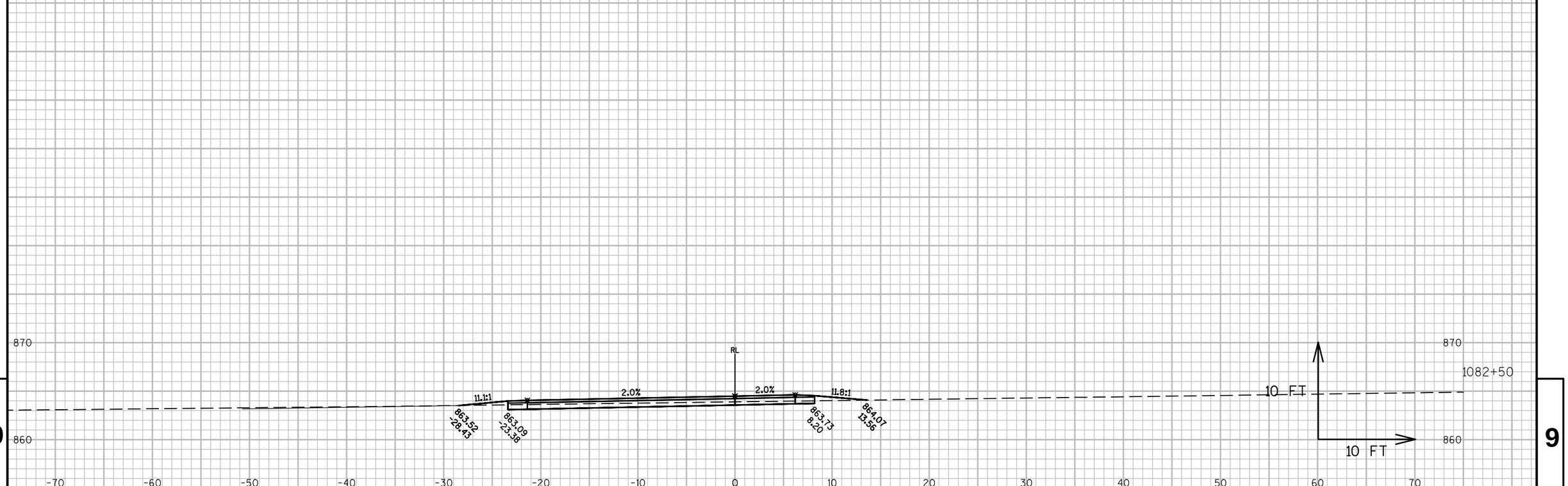
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 549	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (59)

PLOT DATE : 6/6/2017 9:39 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



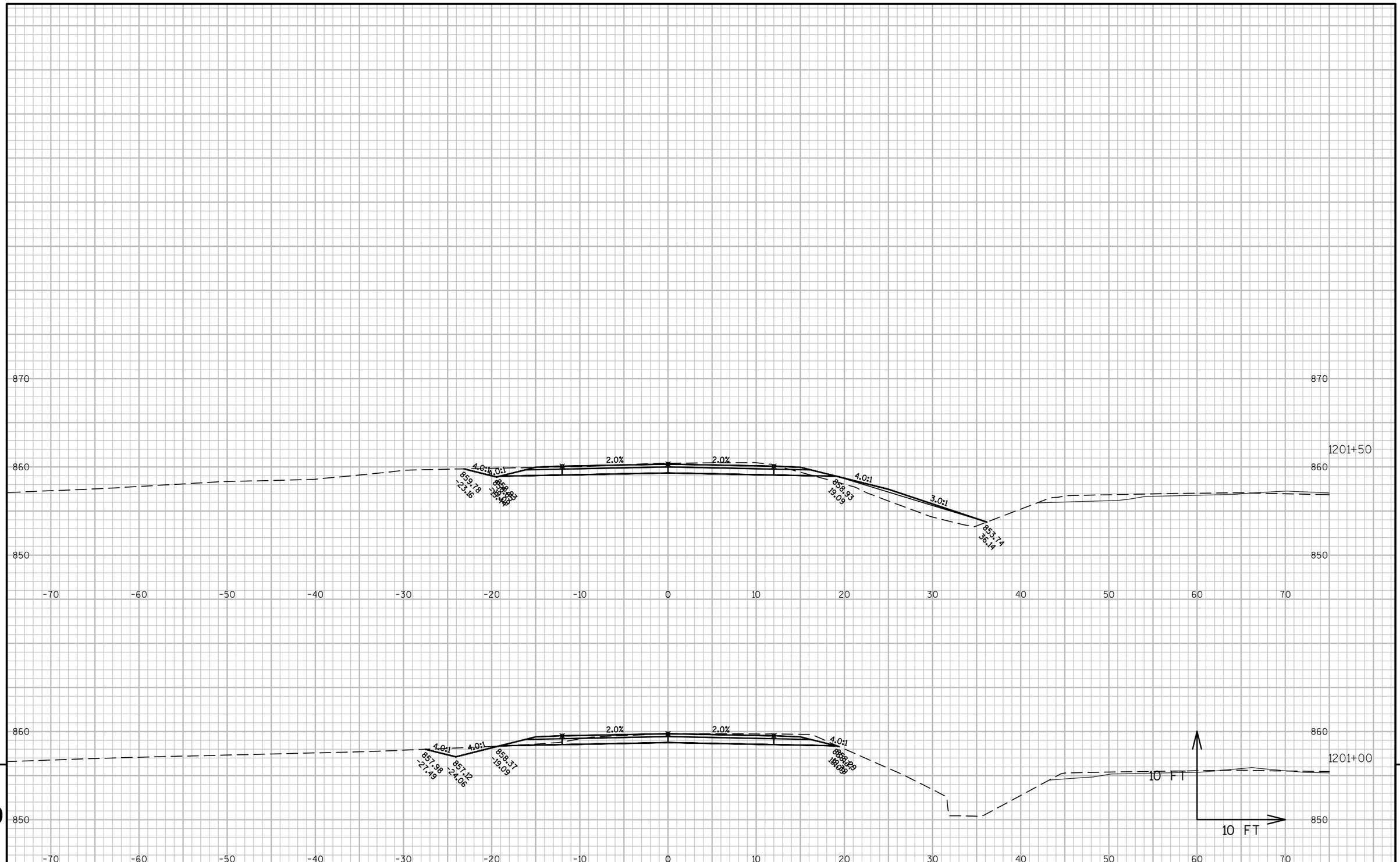
9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: BICYCLE PEDESTRAIN PATH OLD STH 64	SHEET 550	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090201_XS_BIKE-PED UPDATE.DWG
LAYOUT NAME - SECTION SHEET - (60)

PLOT DATE : 6/6/2017 9:39 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



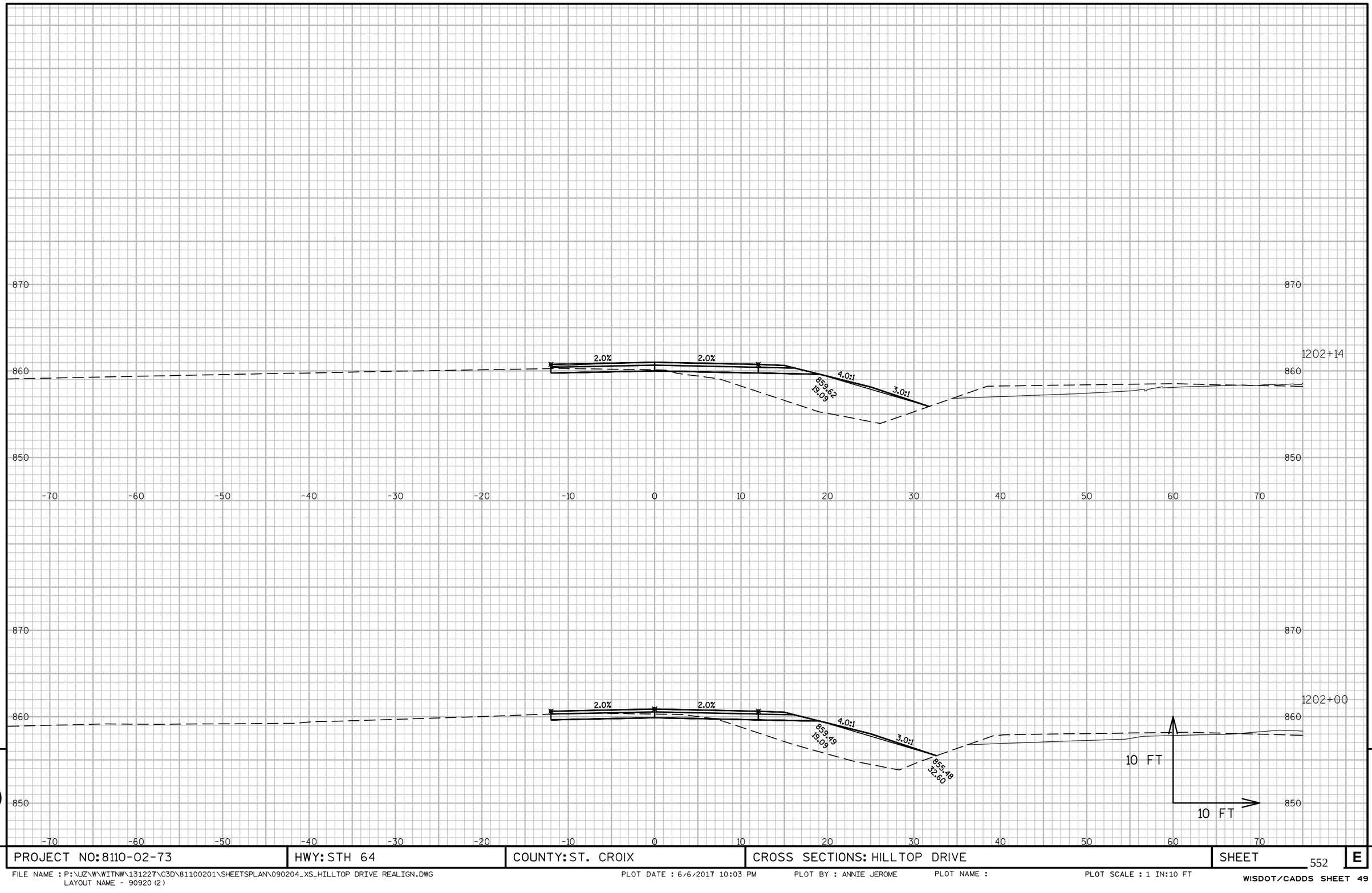
9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HILLTOP DRIVE	SHEET 551	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090204_XS_HILLTOP DRIVE REALIGN.DWG
LAYOUT NAME - 90920 (1)

PLOT DATE : 6/6/2017 10:02 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

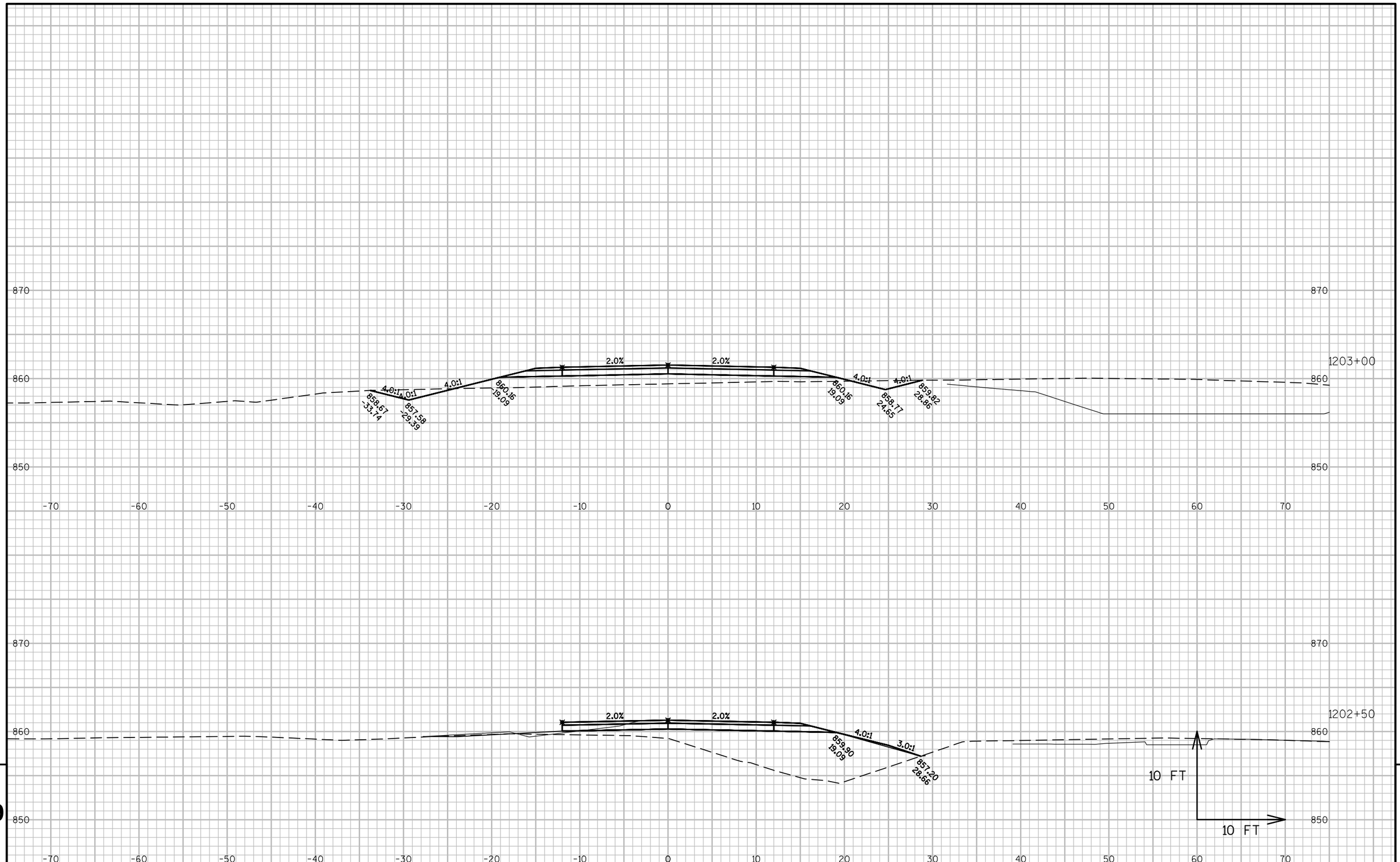
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HILLTOP DRIVE	SHEET 552	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090204_XS_HILLTOP DRIVE REALIGN.DWG
LAYOUT NAME - 90920 (2)

PLOT DATE : 6/6/2017 10:03 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

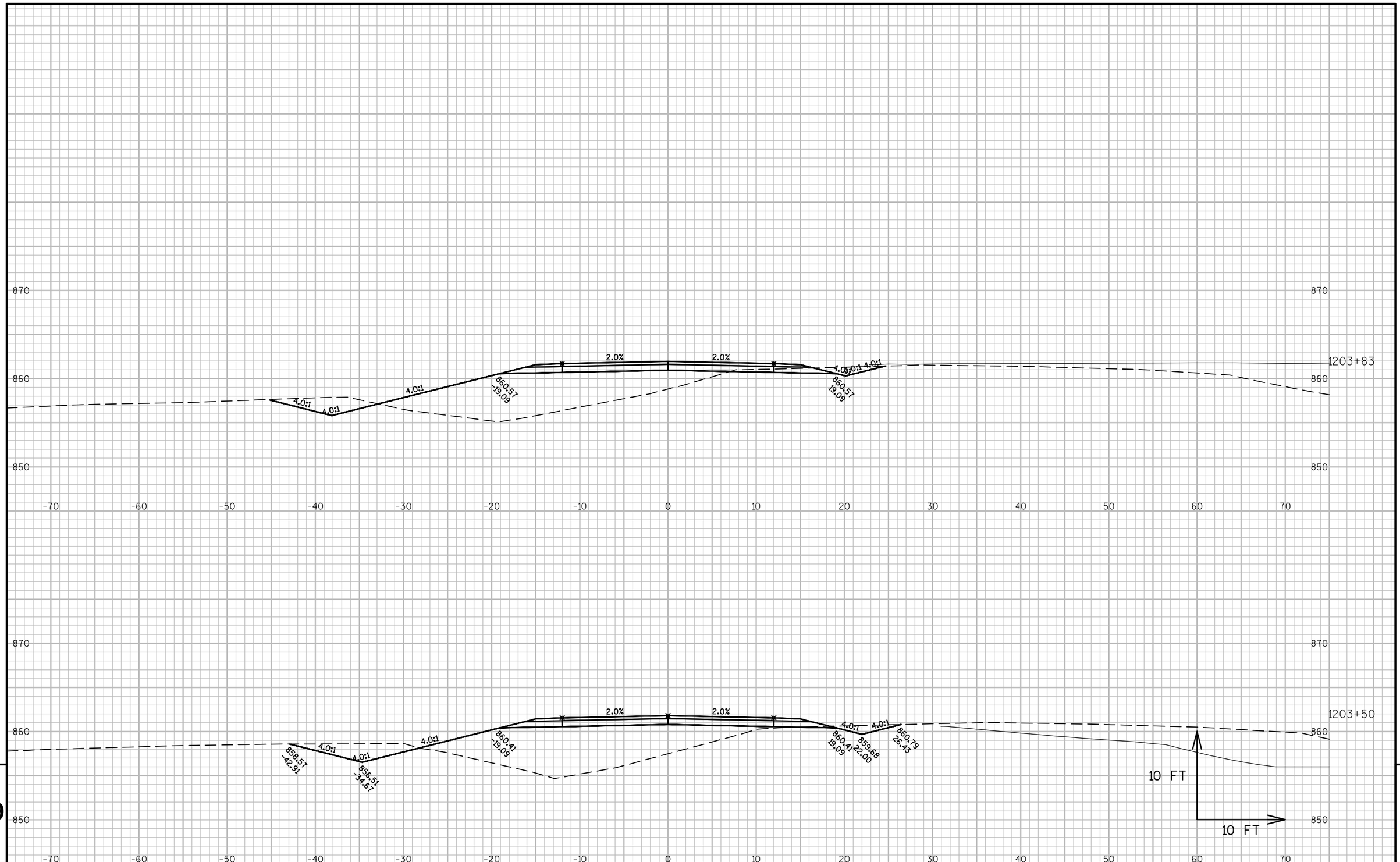


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HILLTOP DRIVE	SHEET 553	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090204_XS_HILLTOP DRIVE REALIGN.DWG
LAYOUT NAME - 90920 (3)

PLOT DATE : 6/6/2017 10:03 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



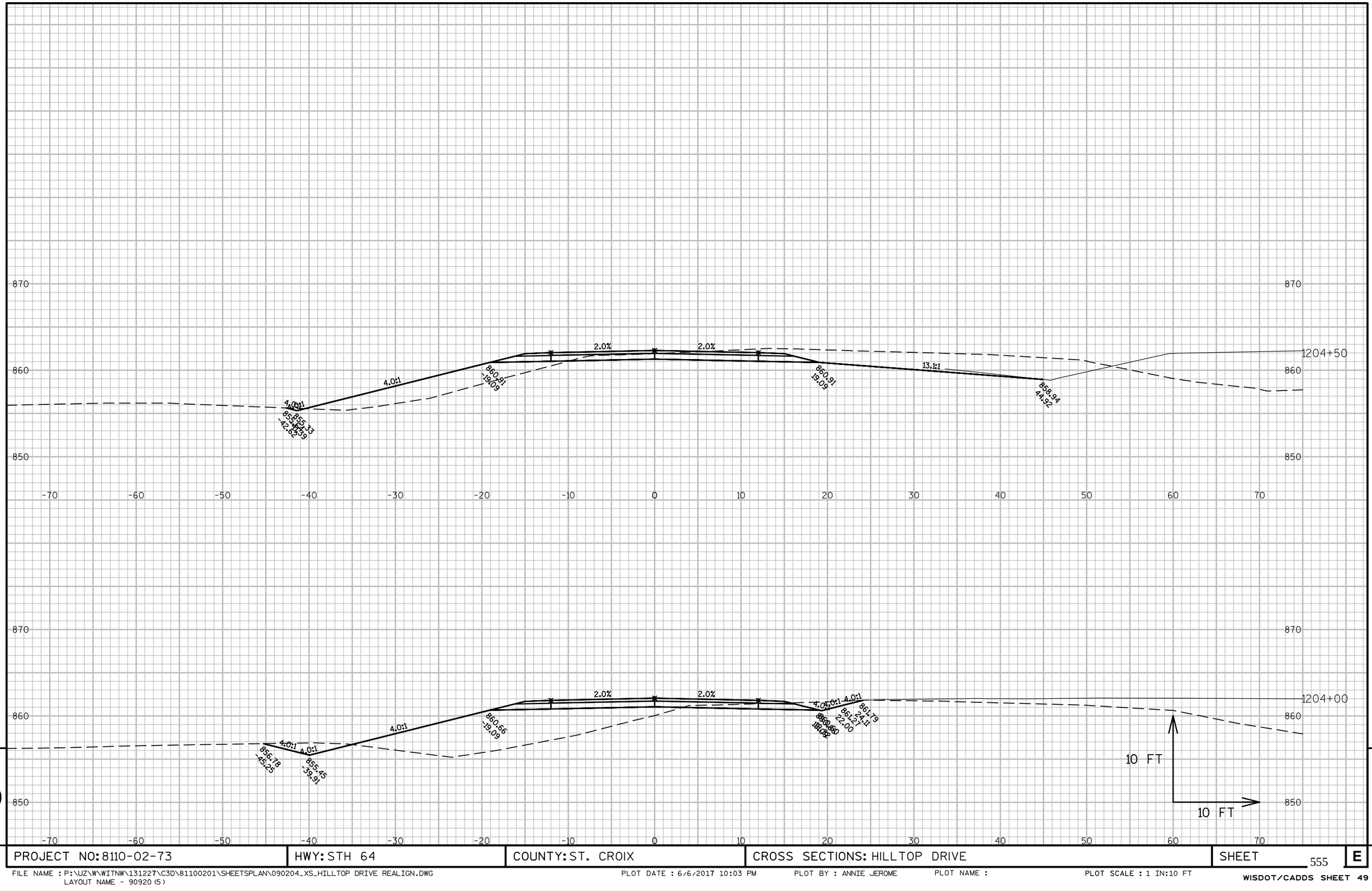
9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HILLTOP DRIVE	SHEET 554	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090204_XS_HILLTOP DRIVE REALIGN.DWG
LAYOUT NAME - 90920 (4)

PLOT DATE : 6/6/2017 10:03 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

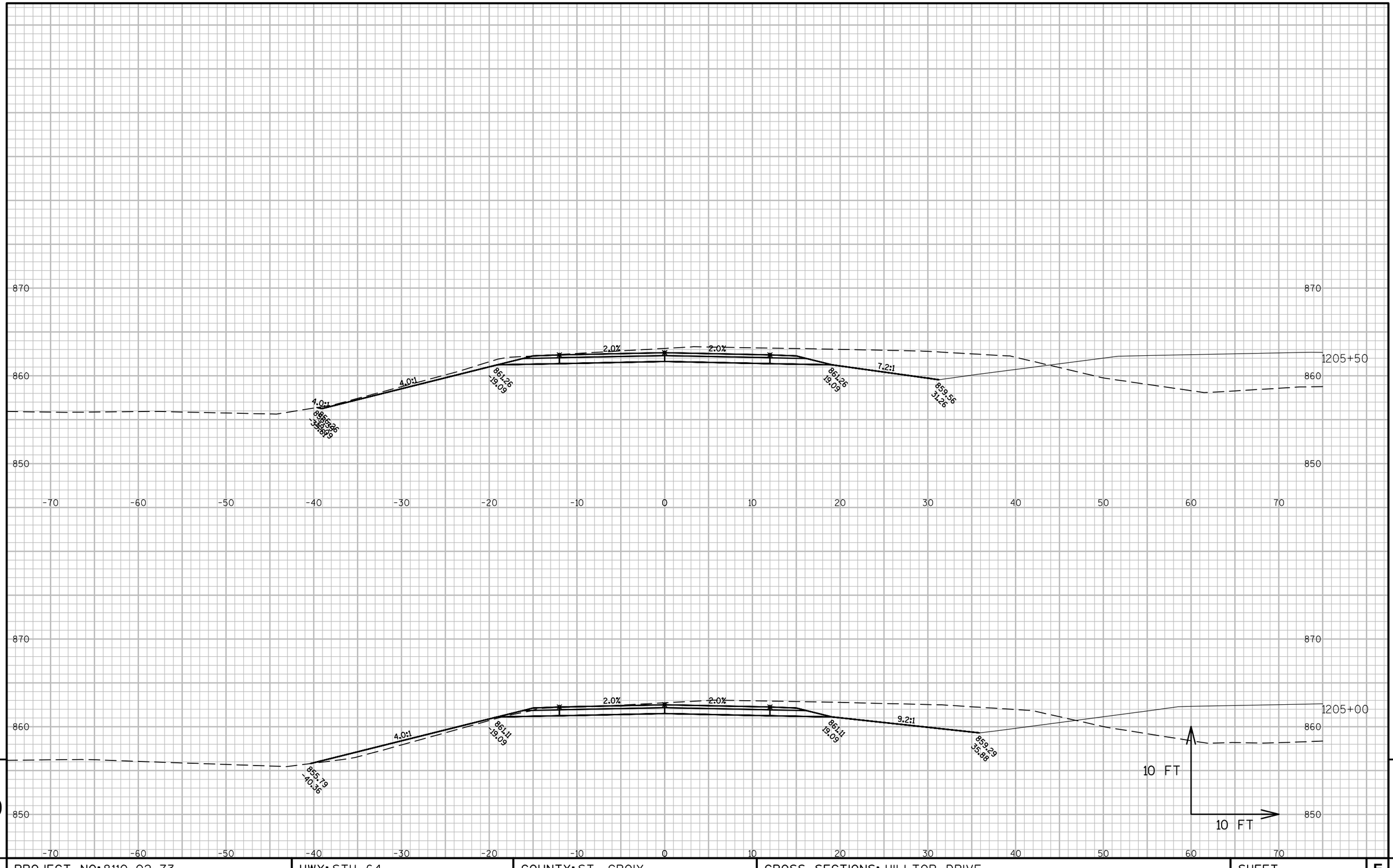
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HILLTOP DRIVE	SHEET 555	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090204_XS_HILLTOP DRIVE REALIGN.DWG
LAYOUT NAME - 90920 (5)

PLOT DATE : 6/6/2017 10:03 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

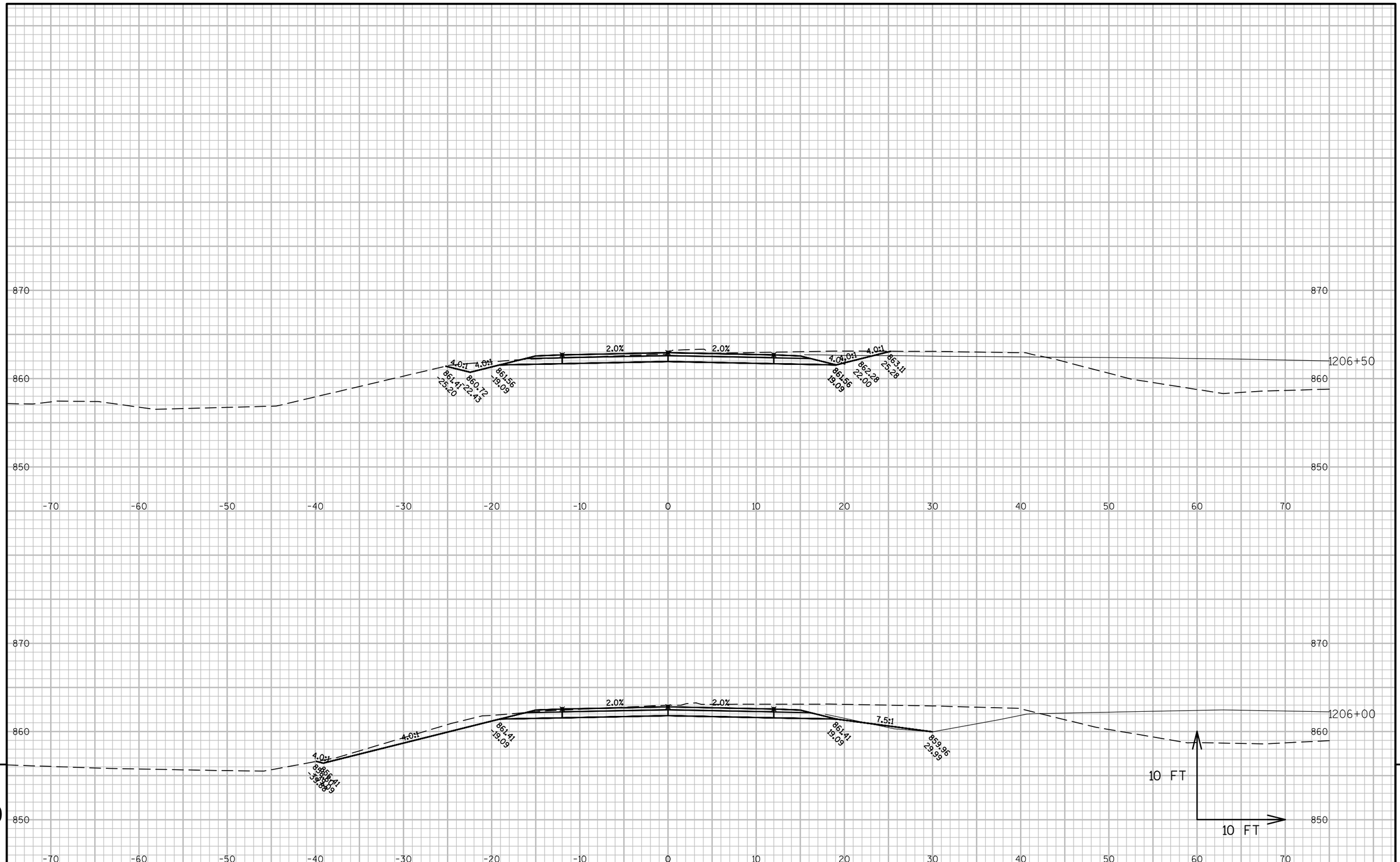


PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HILLTOP DRIVE	SHEET 556	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090204_XS_HILLTOP DRIVE REALIGN.DWG
LAYOUT NAME - 90920 (6)

PLOT DATE : 6/6/2017 10:04 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

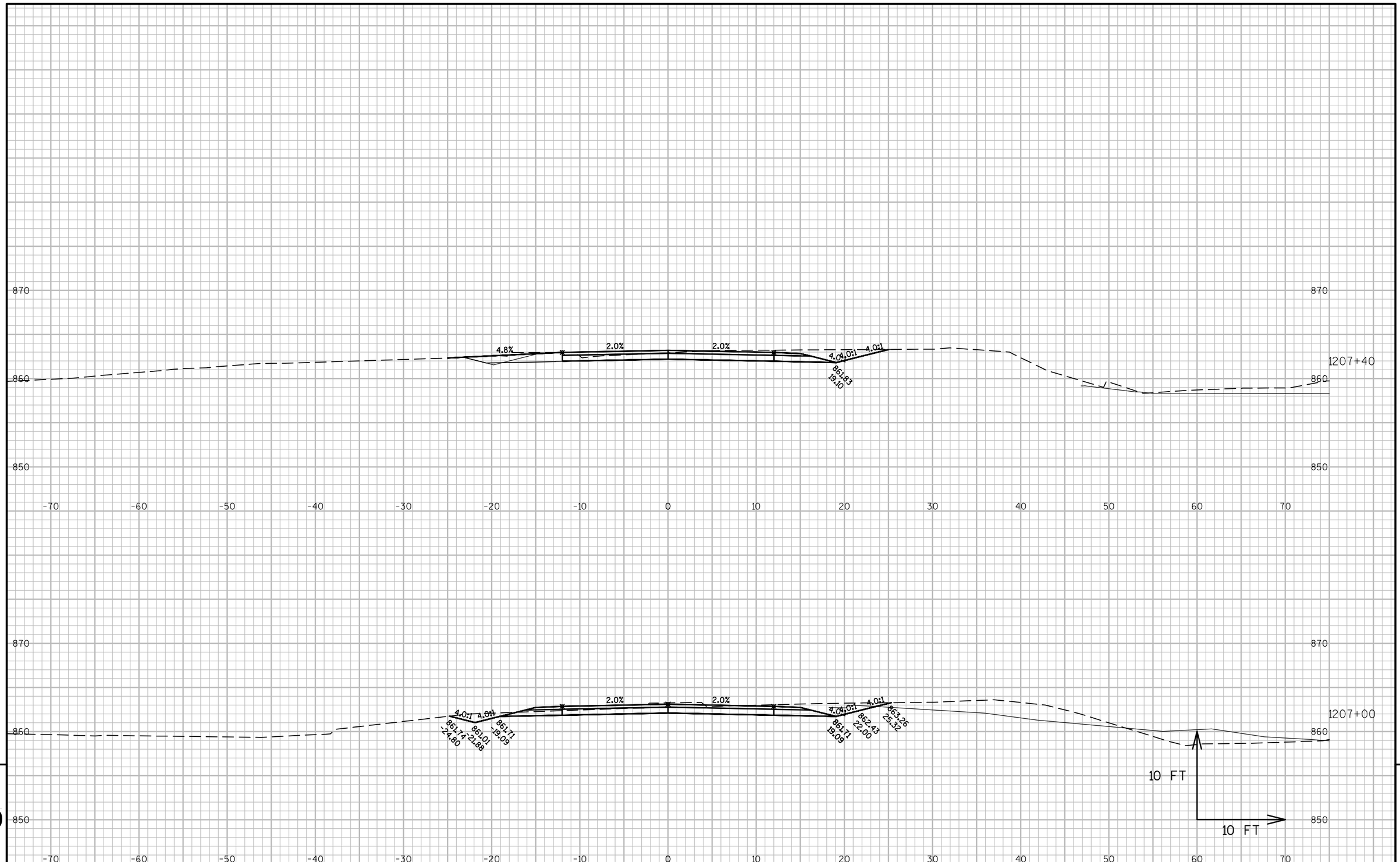
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HILLTOP DRIVE	SHEET 557	E

9

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090204_XS_HILLTOP DRIVE REALIGN.DWG
LAYOUT NAME - 90920 (7)

PLOT DATE : 6/6/2017 10:04 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



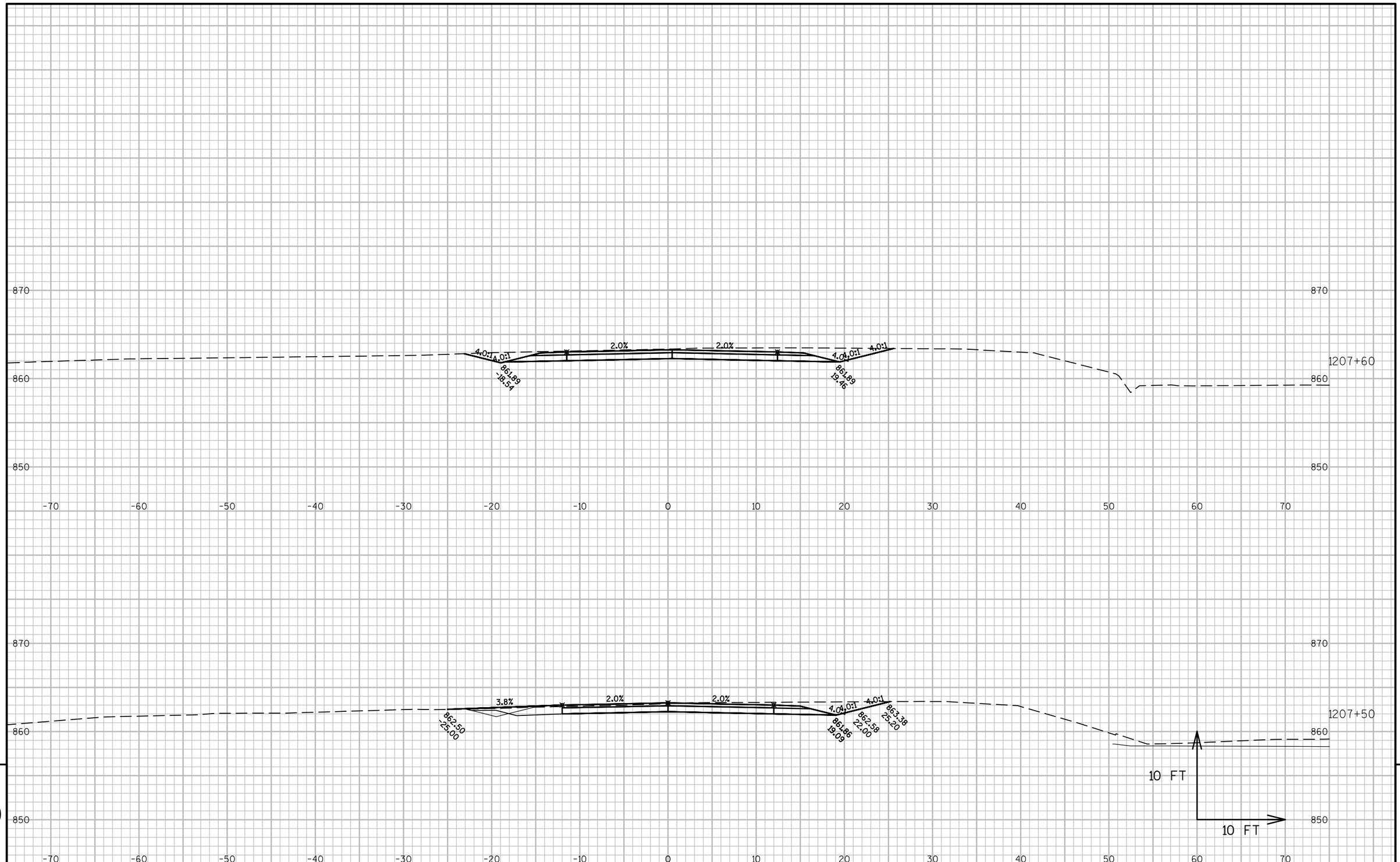
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HILLTOP DRIVE	SHEET 558	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090204_XS_HILLTOP DRIVE REALIGN.DWG
LAYOUT NAME - 90920 (8)

PLOT DATE : 6/6/2017 10:04 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 81110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HILLTOP DRIVE	SHEET 559	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090204_XS_HILLTOP DRIVE REALIGN.DWG
LAYOUT NAME - 90920 (9)

PLOT DATE : 6/6/2017 10:05 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT

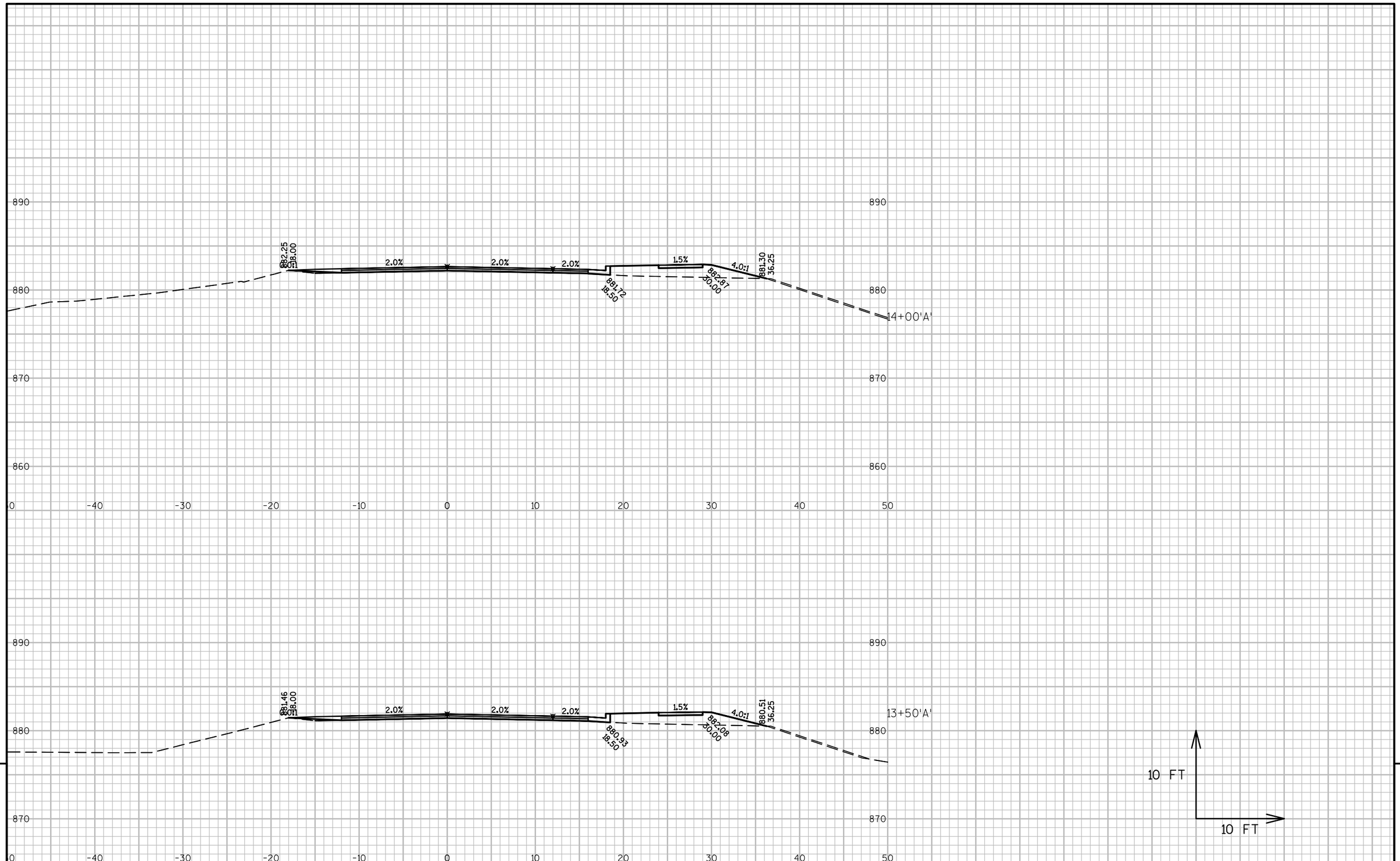
9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HILLTOP DRIVE	SHEET 560	E

FILE NAME : P:\UZ\W\WITNW\131227\C3D\81100201\SHEETSPLAN\090204_XS_HILLTOP DRIVE REALIGN.DWG
LAYOUT NAME - 90920 (10)

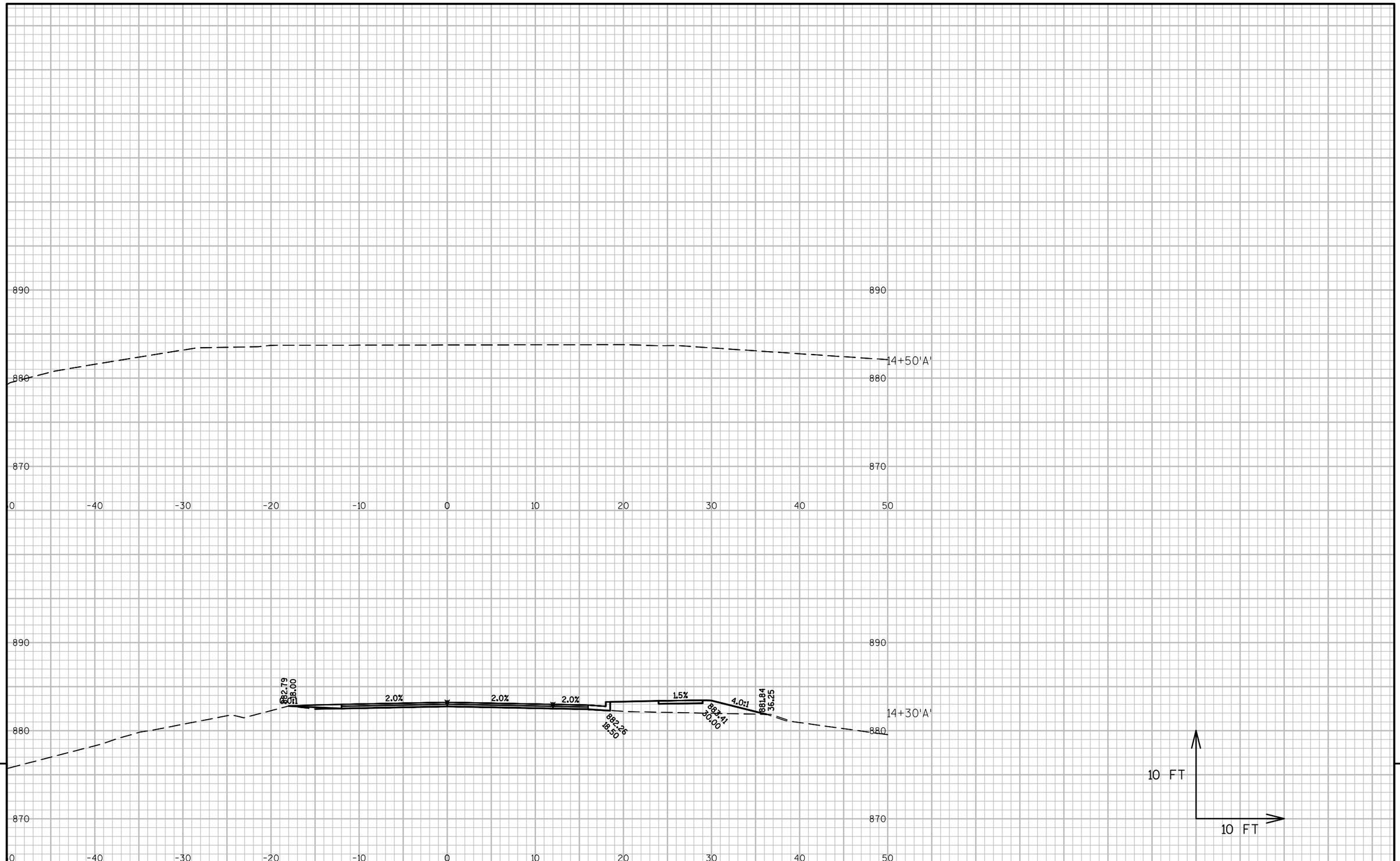
PLOT DATE : 6/6/2017 10:05 PM PLOT BY : ANNIE JEROME PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HAWK STREET SOUTH	SHEET 561 E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\090201-XS.DWG PLOT DATE : 12/18/2017 8:54 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - A - (3)

WISDOT/CADDS SHEET 49

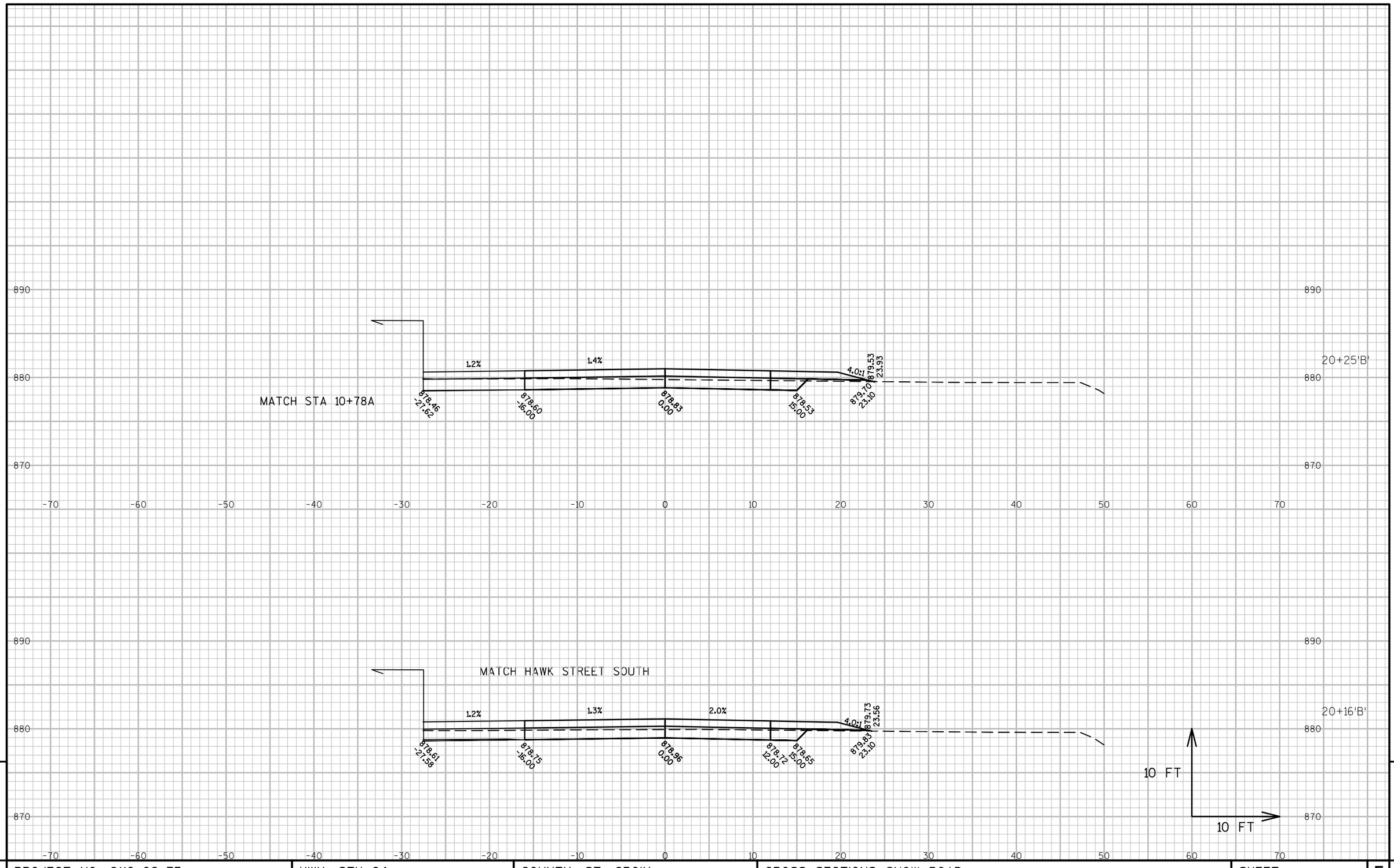


9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: HAWK STREET SOUTH	SHEET 562	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\090201-XS.DWG PLOT DATE : 12/18/2017 8:54 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT
LAYOUT NAME - A - (4)



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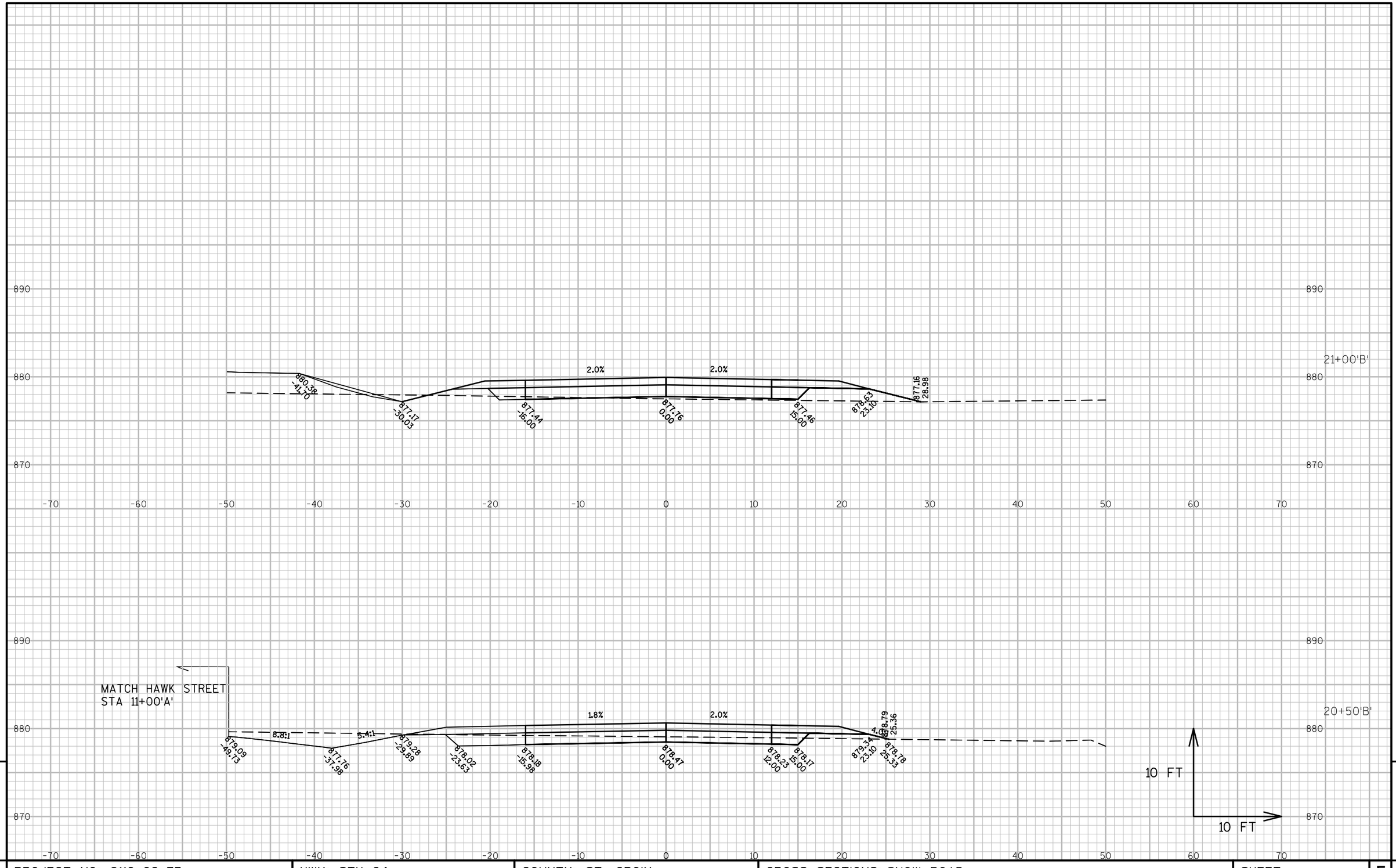
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: SNOW ROAD	SHEET 563	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CCO\090201-XS.DWG
LAYOUT NAME - B-1

PLOT DATE : 6/26/2017 2:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



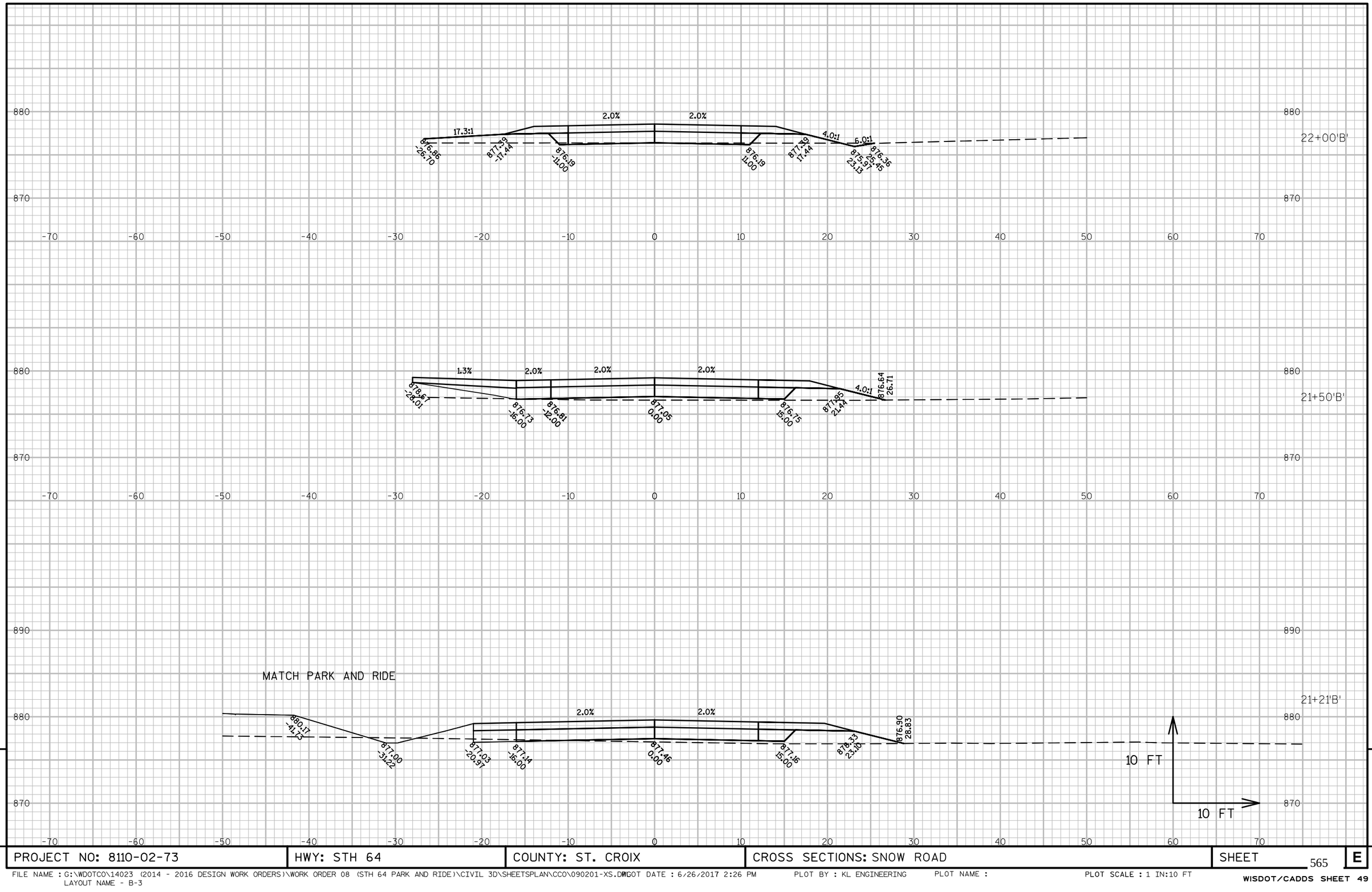
9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: SNOW ROAD	SHEET 564	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CCO\090201-XS.DWG
LAYOUT NAME - B-2

PLOT DATE : 6/26/2017 2:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

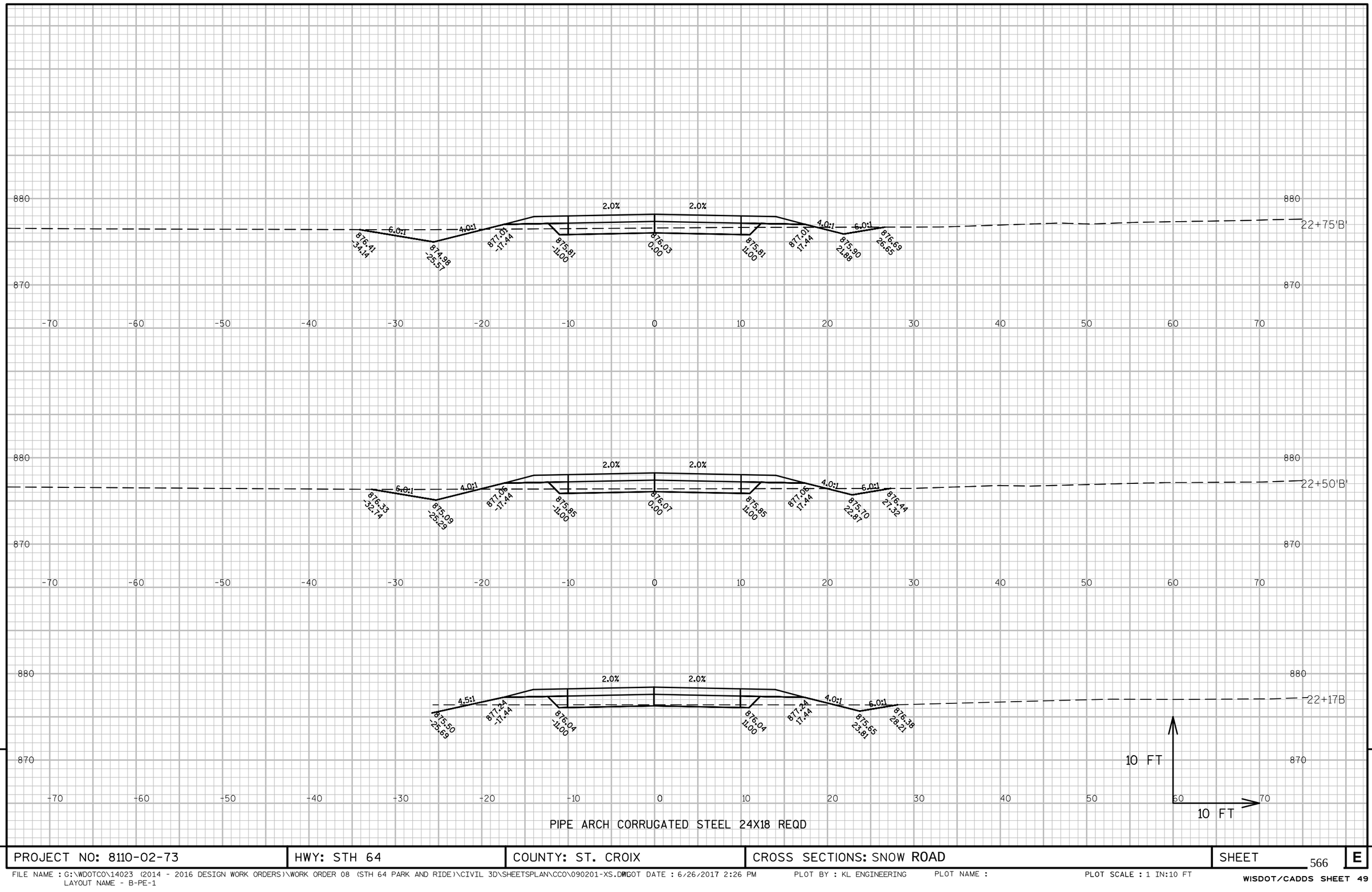


9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: SNOW ROAD	SHEET 565	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CCO\090201-XS.DWG LAYOUT NAME - B-3 PLOT DATE : 6/26/2017 2:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



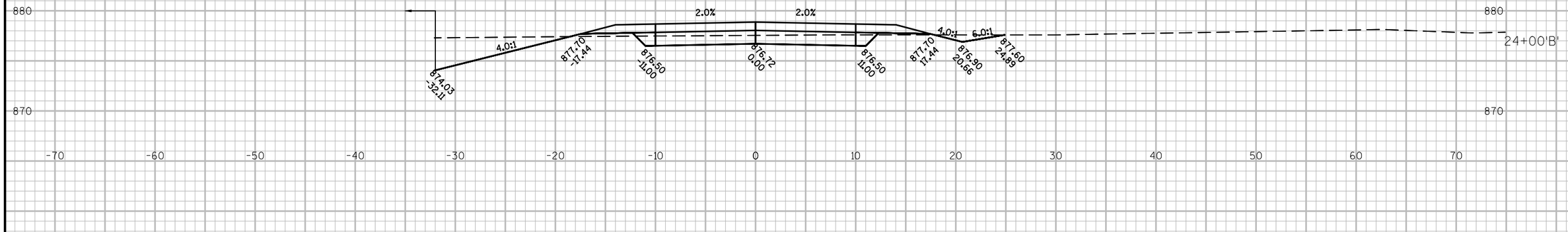
PIPE ARCH CORRUGATED STEEL 24X18 REQD

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: SNOW ROAD	SHEET 566	E

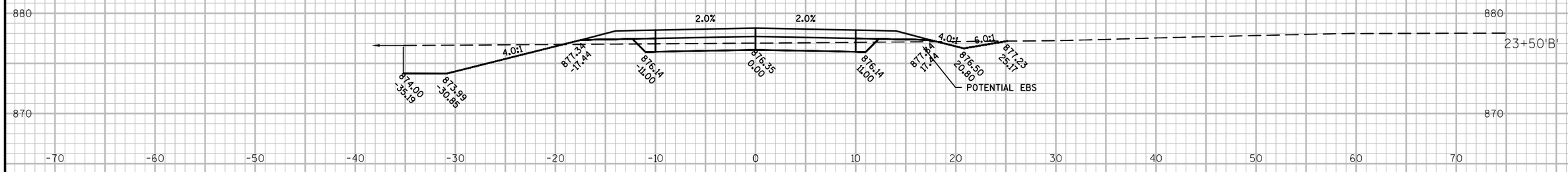
FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CCO\090201-XS.DWG LAYOUT NAME - B-PE-1
PLOT DATE : 6/26/2017 2:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

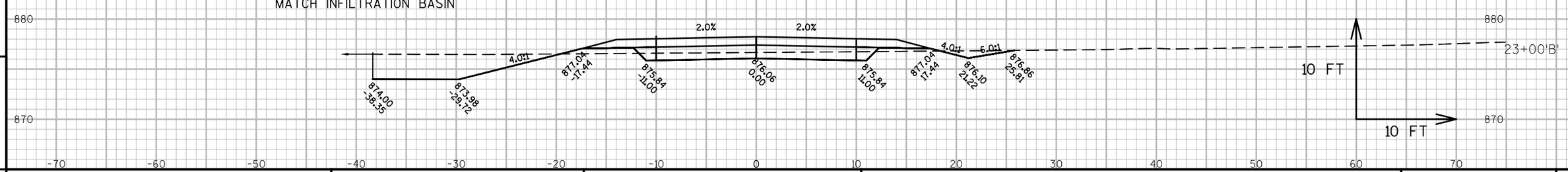
MATCH INFILTRATION BASIN



MATCH INFILTRATION BASIN



MATCH INFILTRATION BASIN



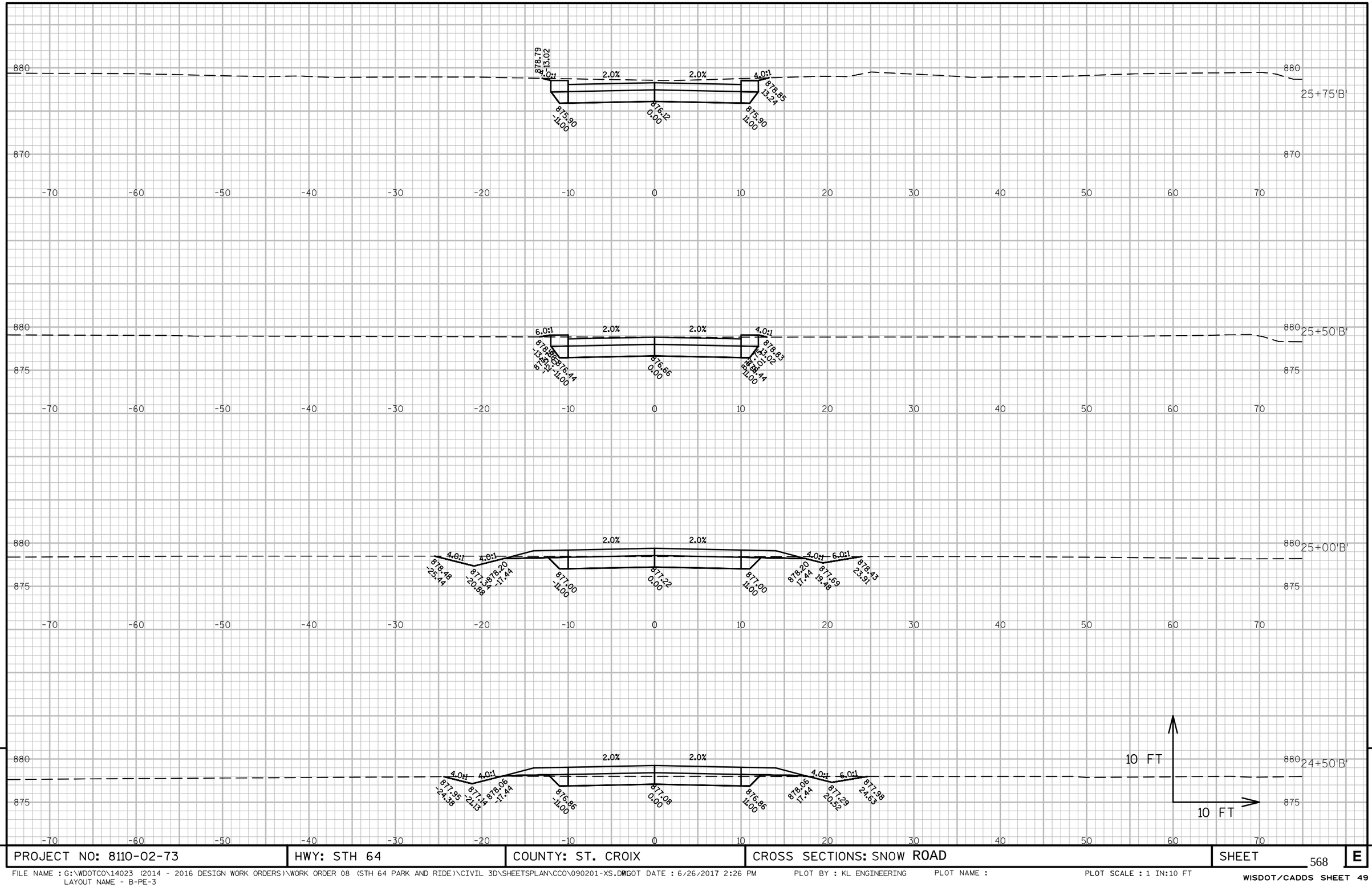
9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: SNOW ROAD	SHEET 567	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CCO\090201-XS.DWG
LAYOUT NAME - B-PE-2

PLOT DATE : 6/26/2017 2:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

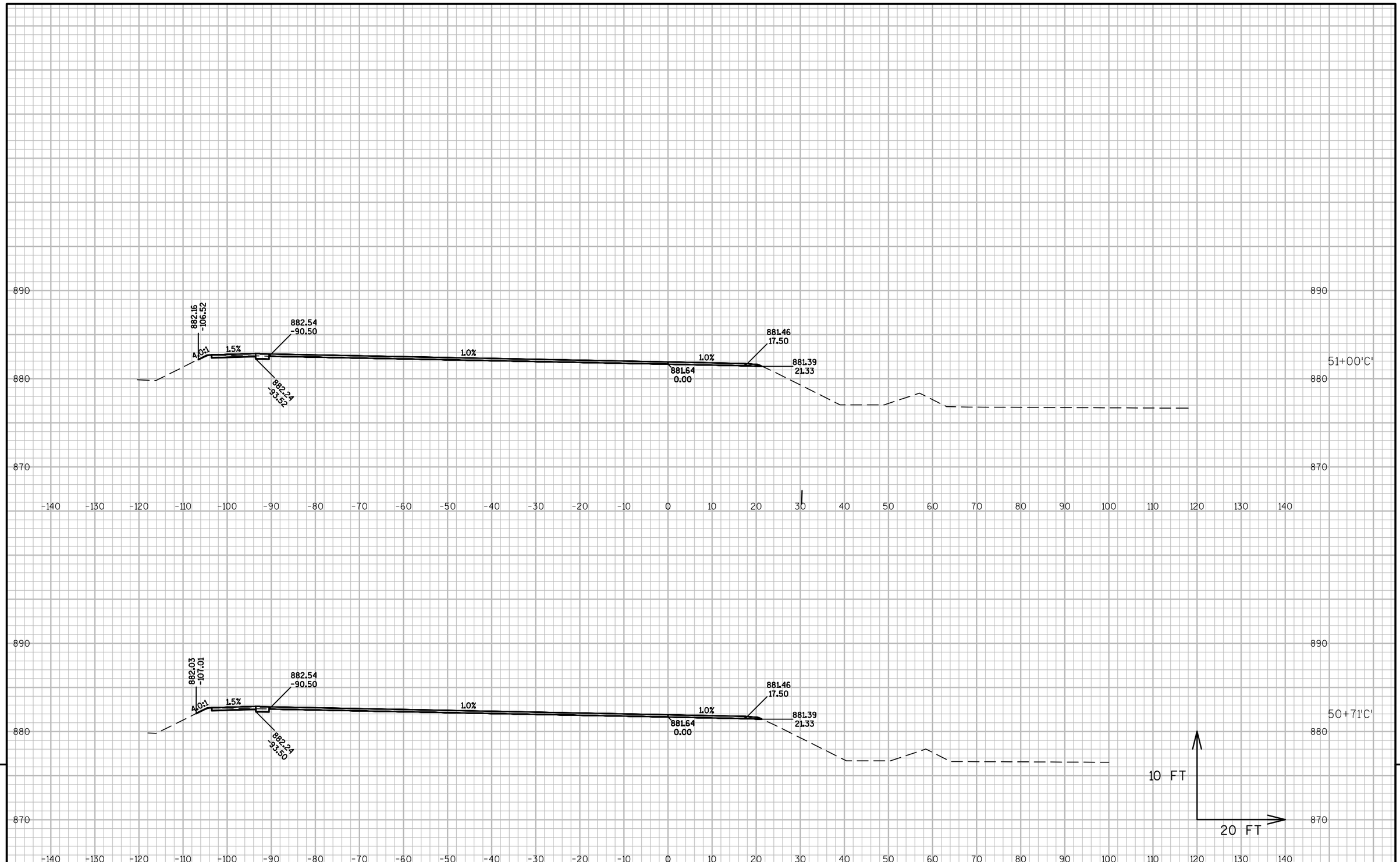


9

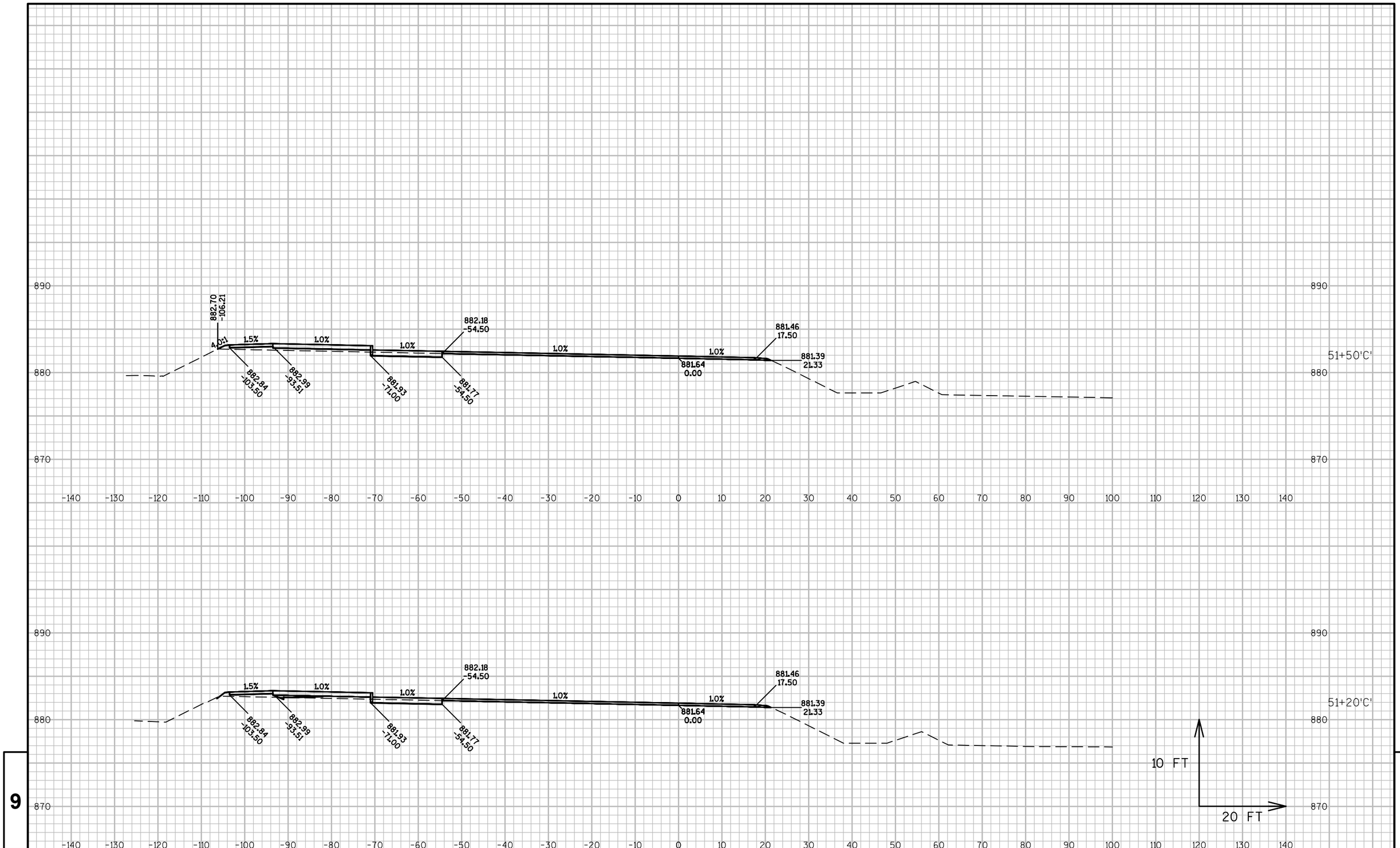
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: SNOW ROAD	SHEET 568	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CCO\090201-XS.DWG LAYOUT NAME - B-PE-3 PLOT DATE : 6/26/2017 2:26 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: PARK AND RIDE	SHEET 569 E

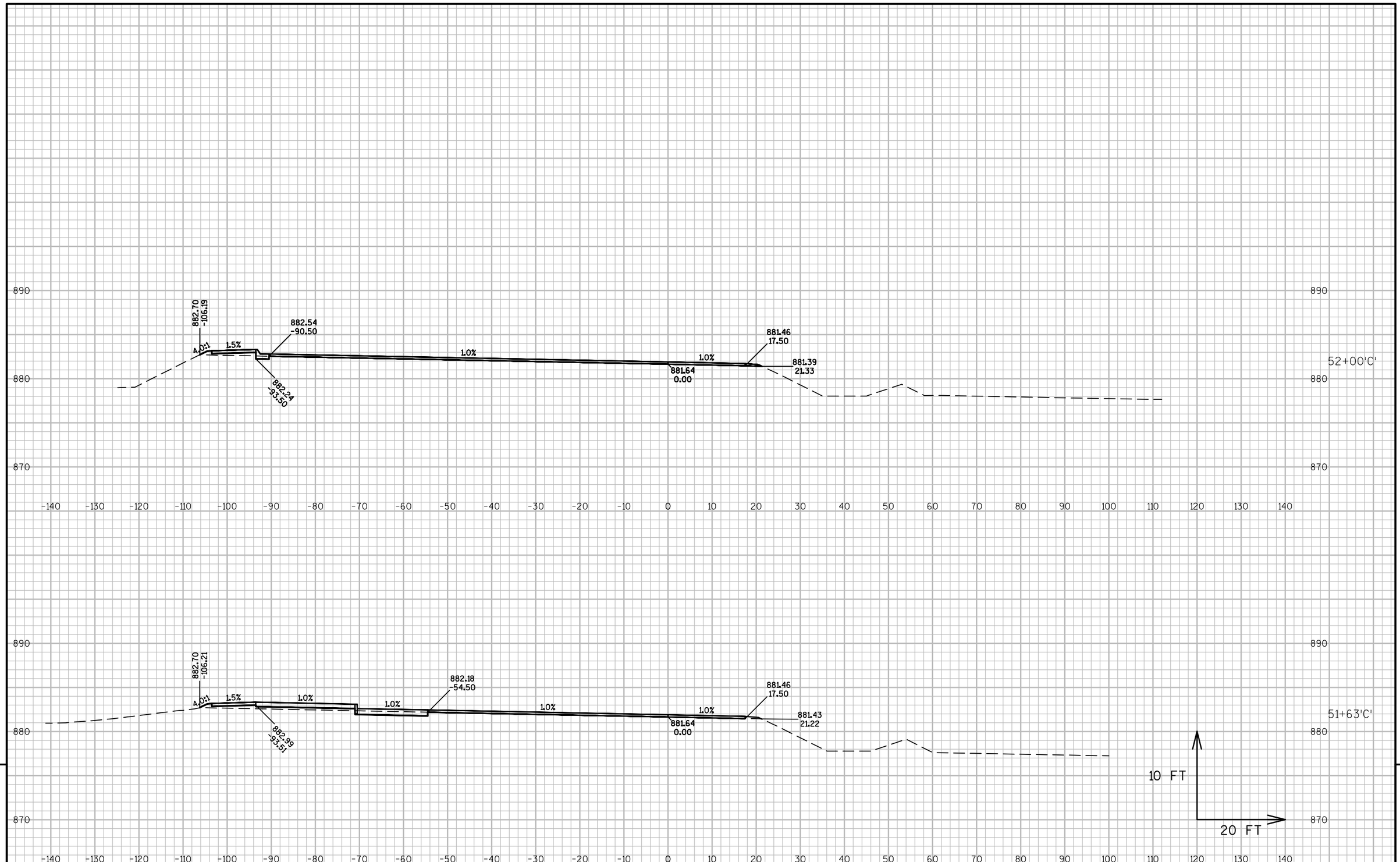


9

9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: PARK AND RIDE	SHEET 570	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\090202-XS.DWG PLOT DATE : 12/18/2017 2:46 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - C - 2

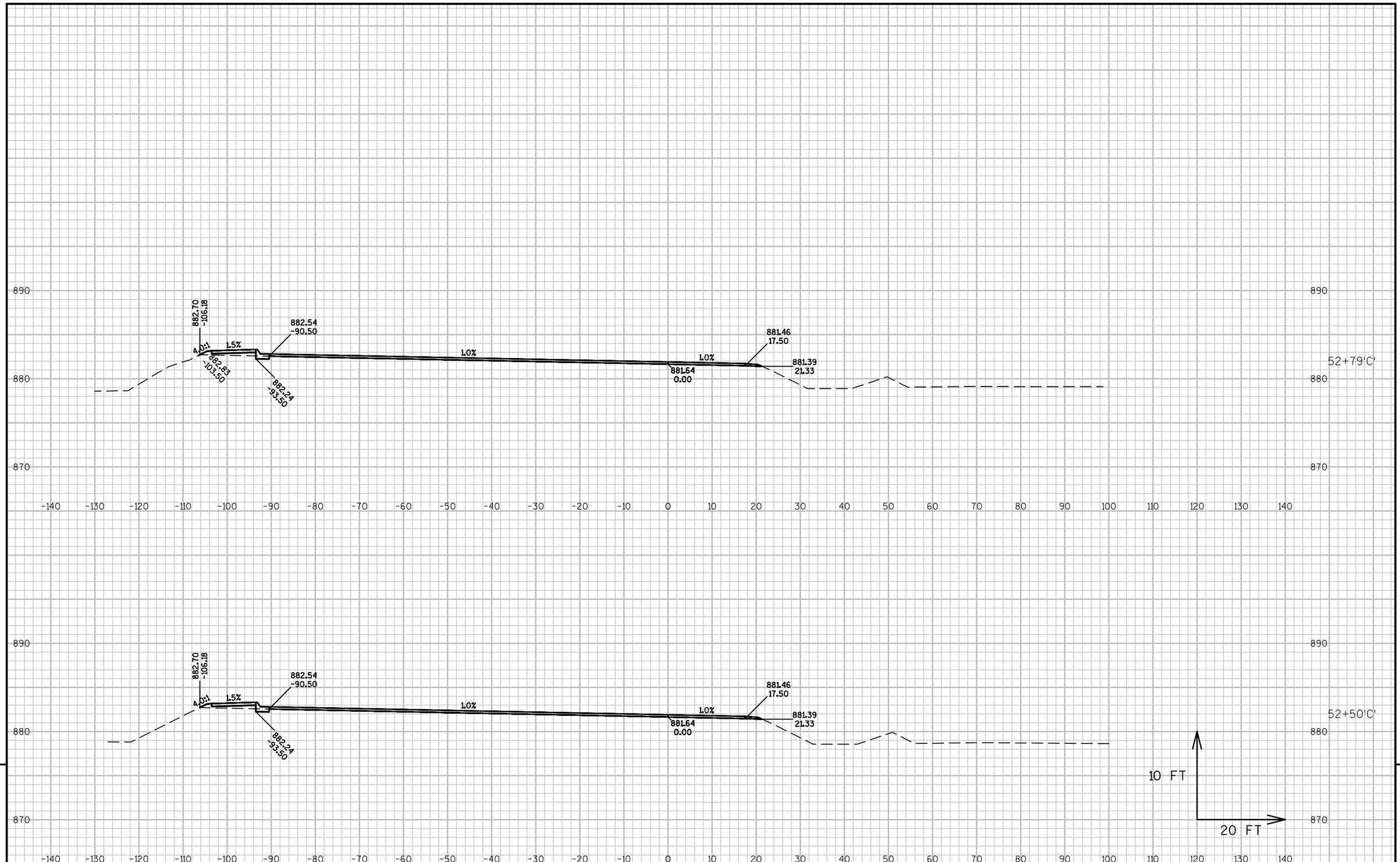


9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: PARK AND RIDE	SHEET 571	E

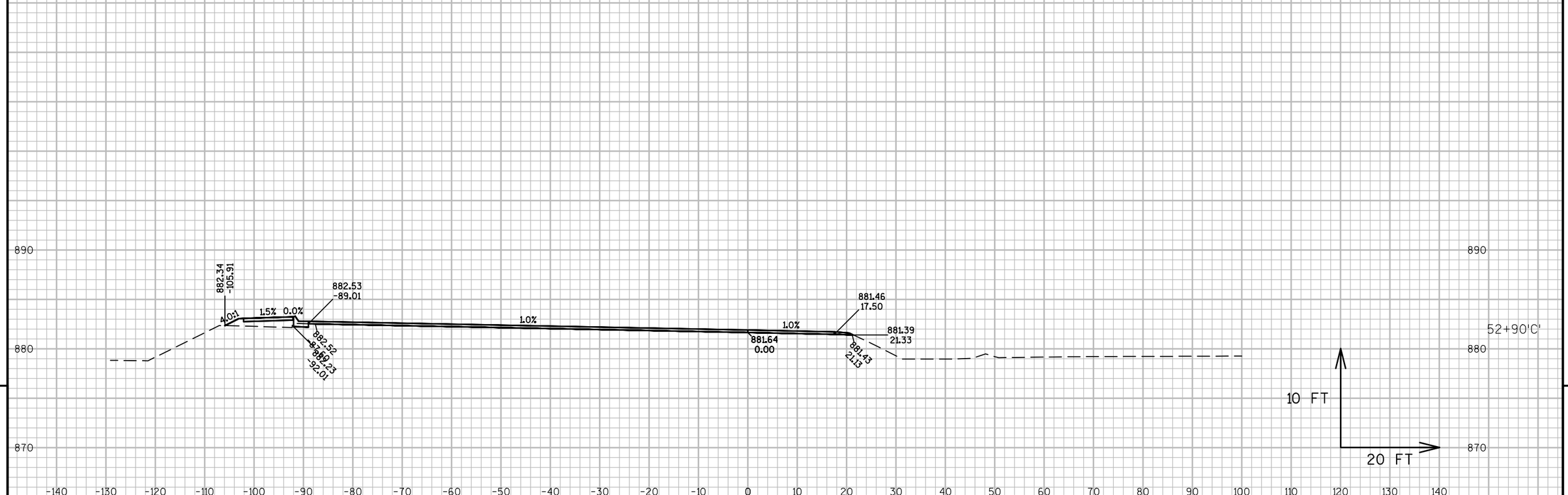
FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\090202-XS.DWG PLOT DATE : 12/18/2017 2:57 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - C - 3

WISDOT/CADDS SHEET 49



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: PARK AND RIDE	SHEET 572 E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\090202-XS.DWG PLOT DATE : 12/18/2017 2:58 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - C - 4

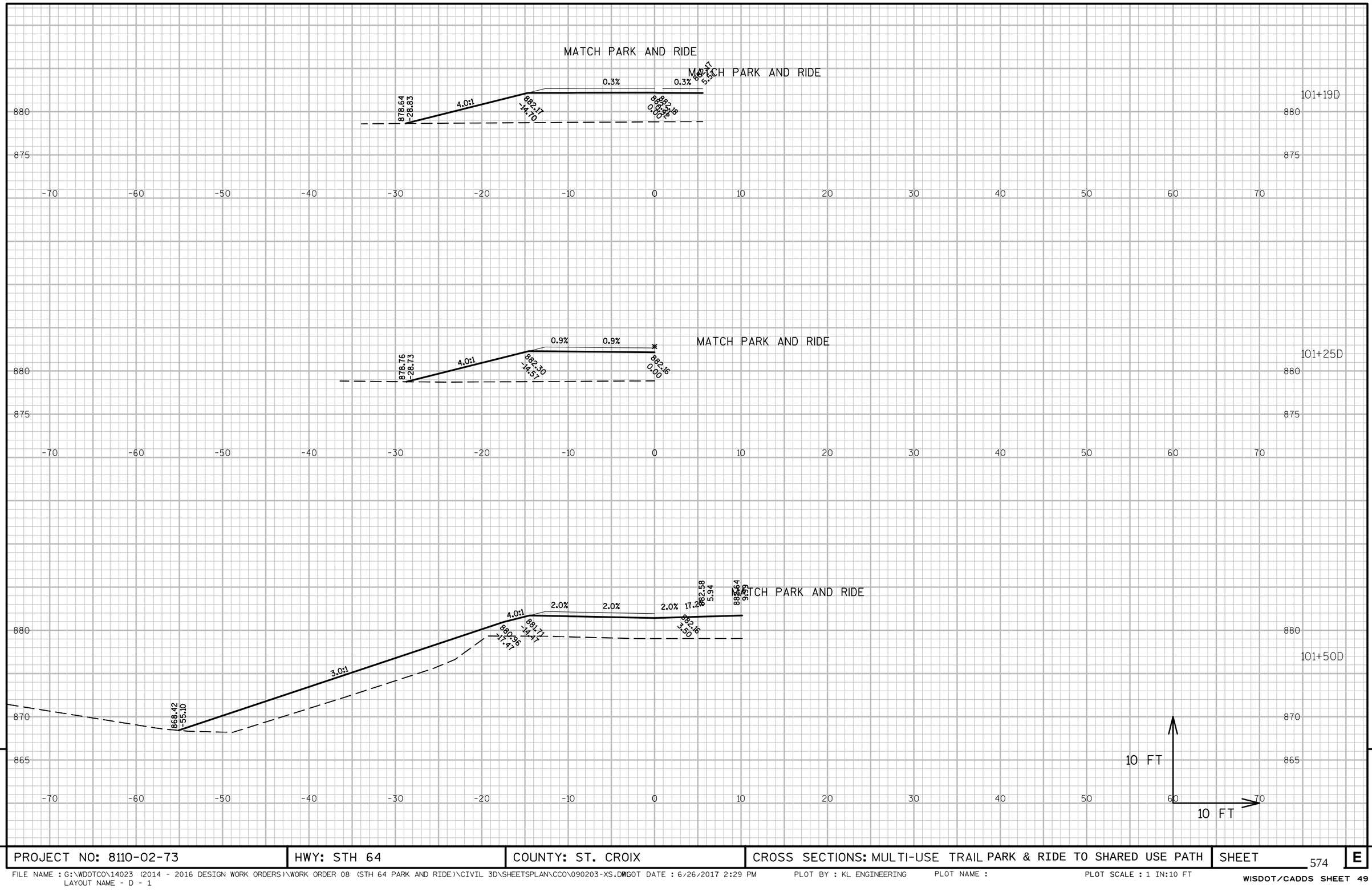


9

9

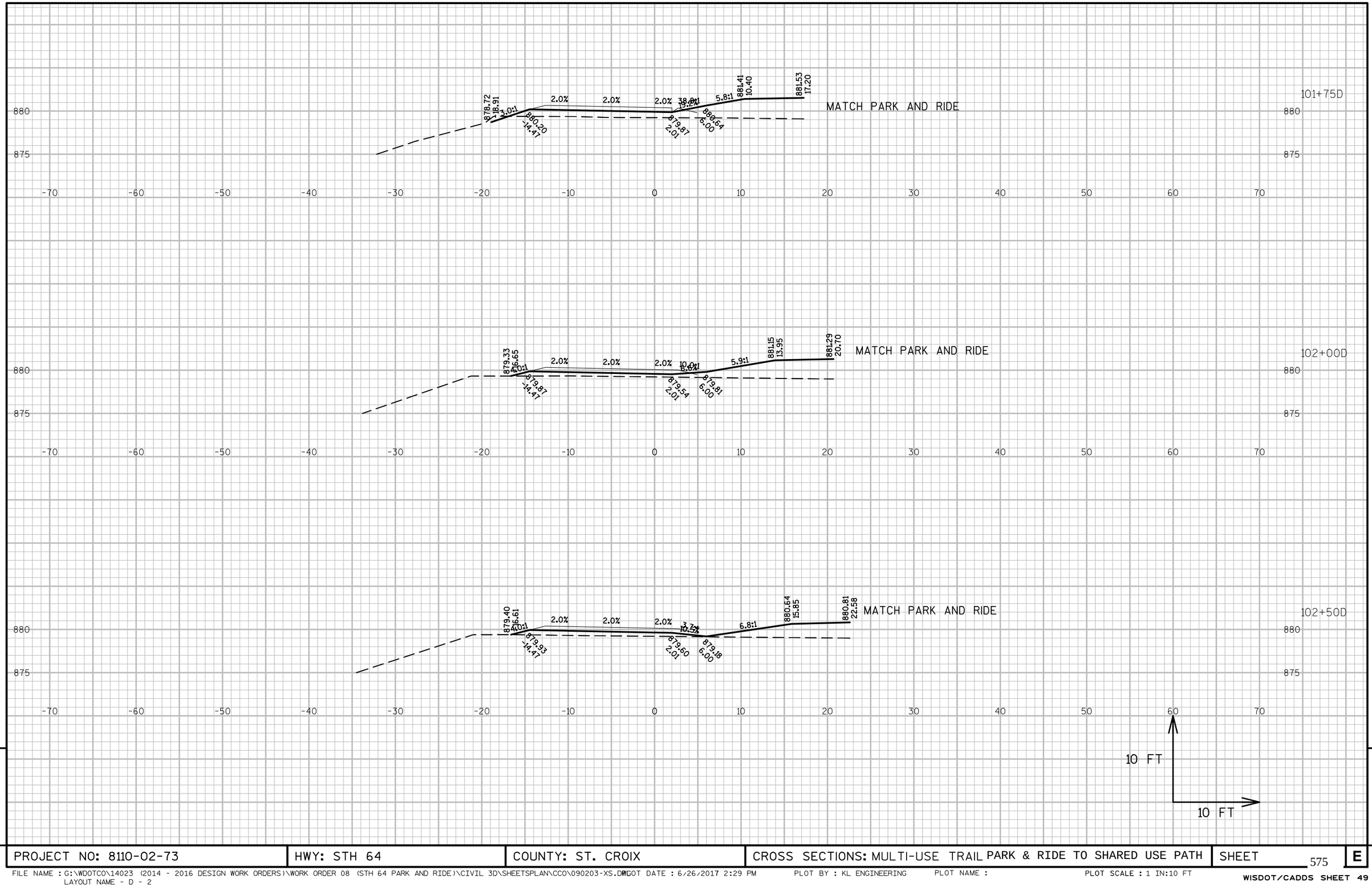
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: PARK AND RIDE	SHEET 573	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\090202-XS.DWG PLOT DATE : 12/18/2017 10:53 AM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:20 FT
LAYOUT NAME - C - 4



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MULTI-USE TRAIL PARK & RIDE TO SHARED USE PATH	SHEET 574	E

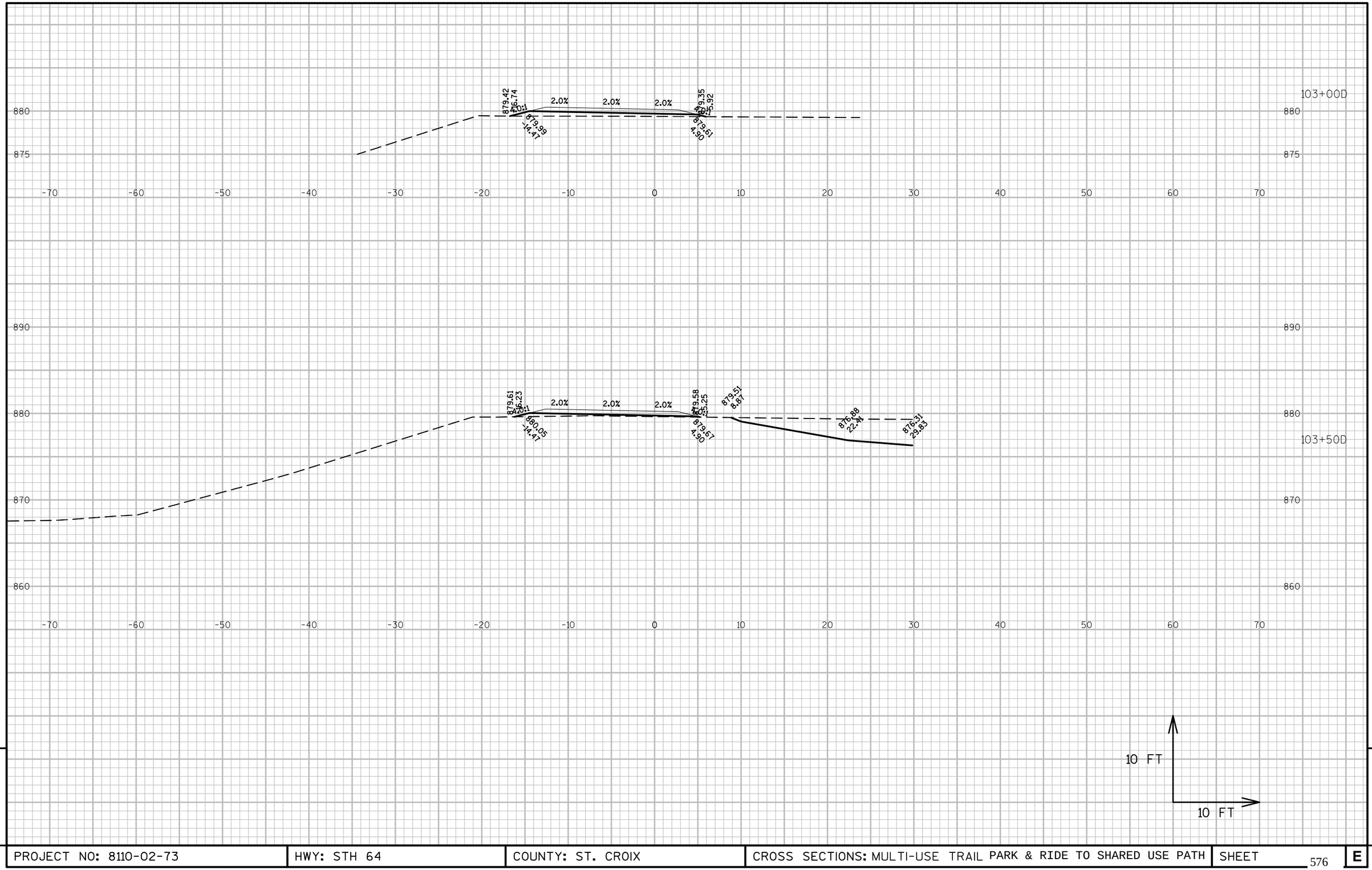
FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CCO\090203-XS.DWG LAYOUT NAME - D - 1
LAST DATE : 6/26/2017 2:29 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

9

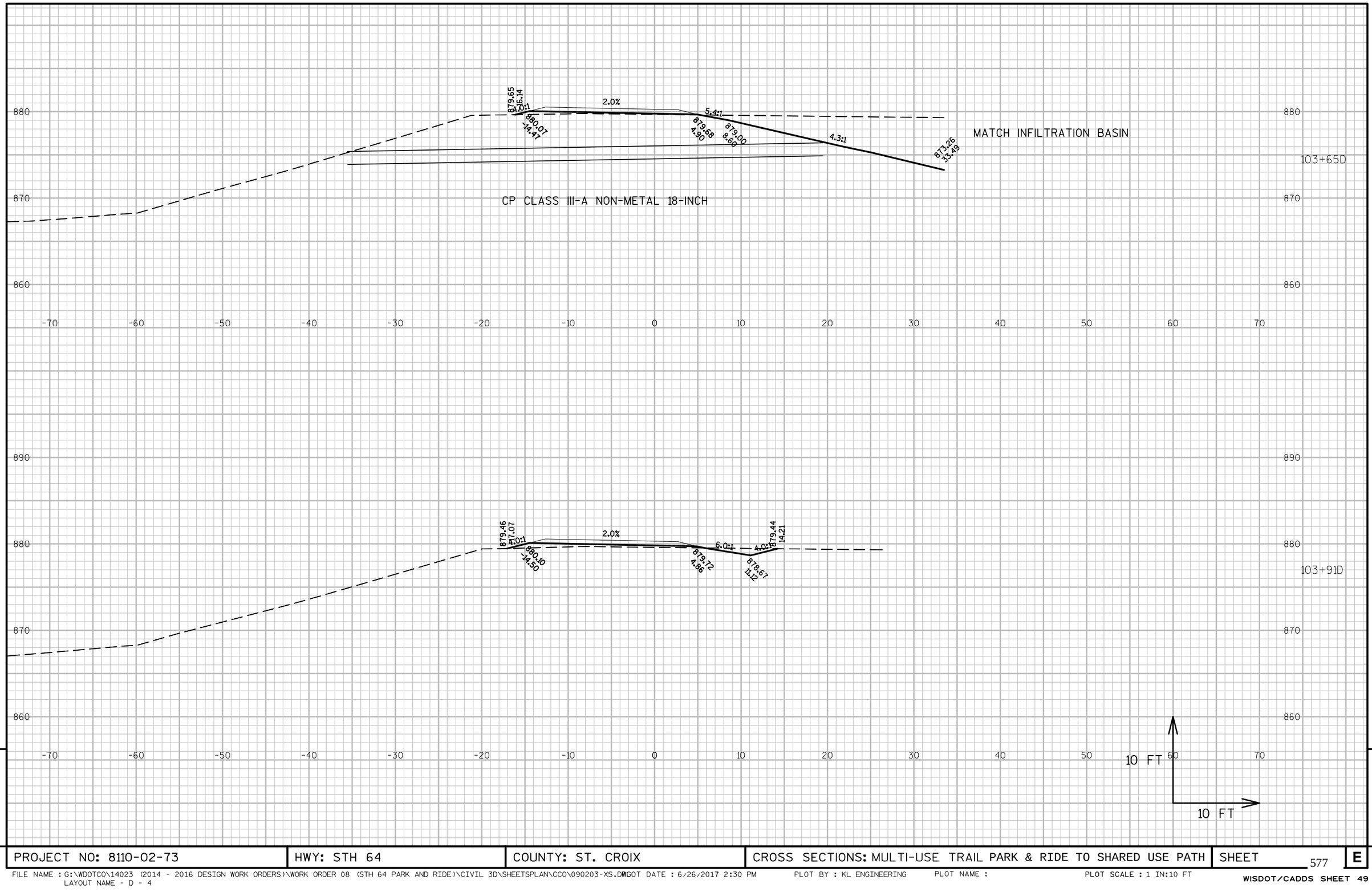
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MULTI-USE TRAIL PARK & RIDE TO SHARED USE PATH	SHEET 575	E



9

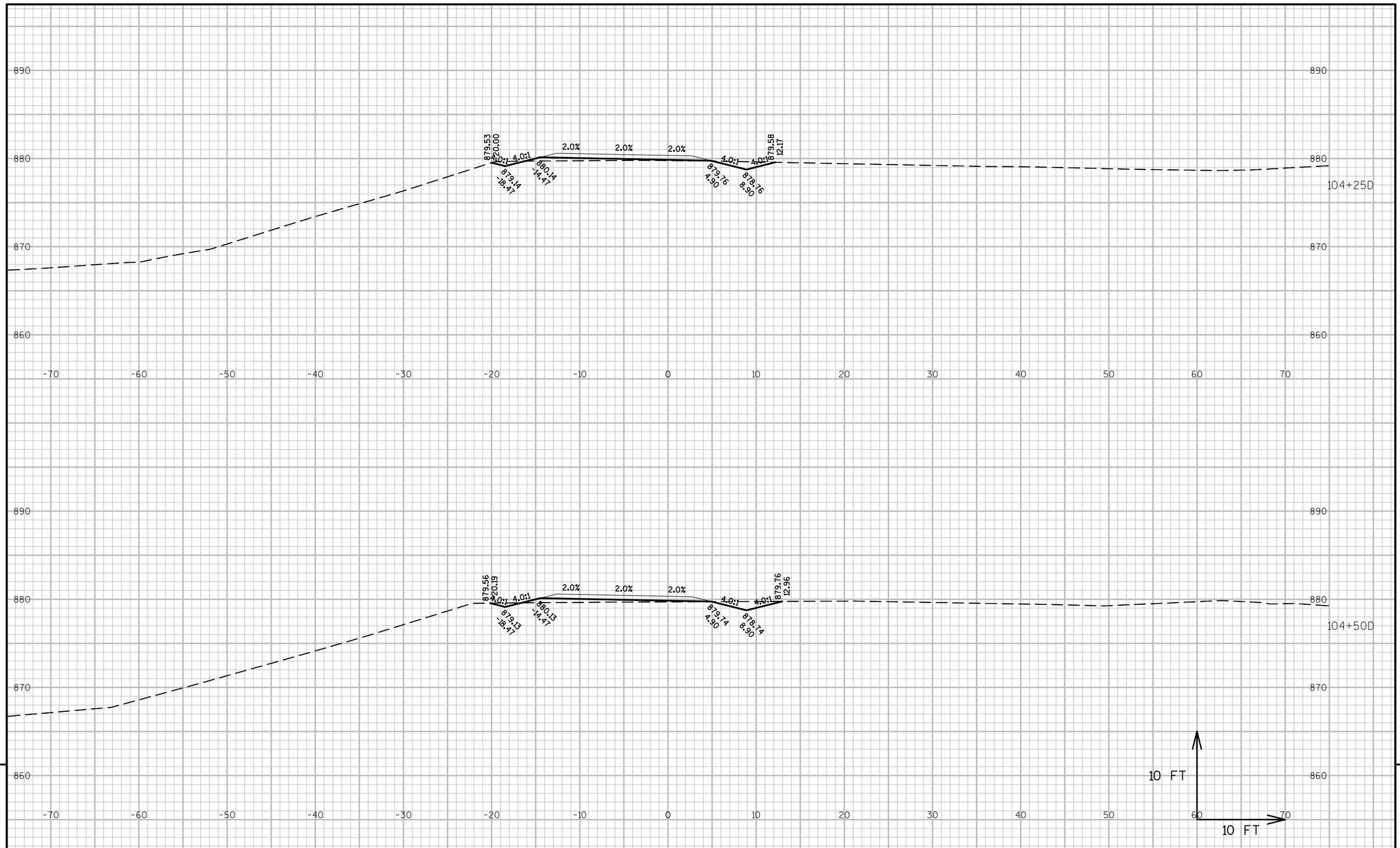
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MULTI-USE TRAIL PARK & RIDE TO SHARED USE PATH	SHEET 576	E



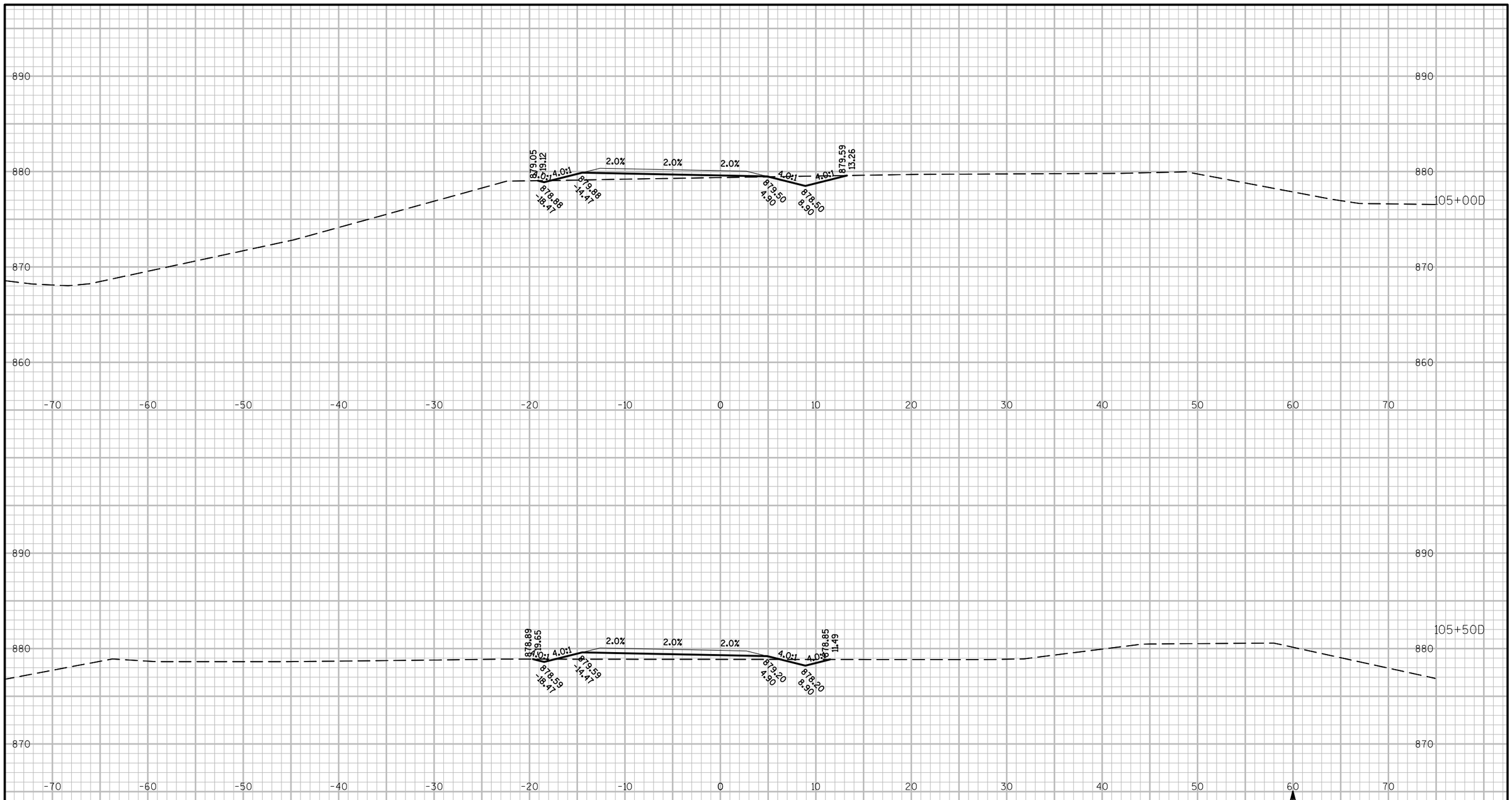
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MULTI-USE TRAIL PARK & RIDE TO SHARED USE PATH	SHEET 577	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CCO\090203-XS.DWG LAYOUT NAME - D - 4
PLOT DATE : 6/26/2017 2:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MULTI-USE TRAIL PARK & RIDE TO SHARED USE PATH	SHEET 578	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CCO\090203-XS.DWG LAYOUT NAME - D - 5
PLOT DATE : 6/26/2017 2:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



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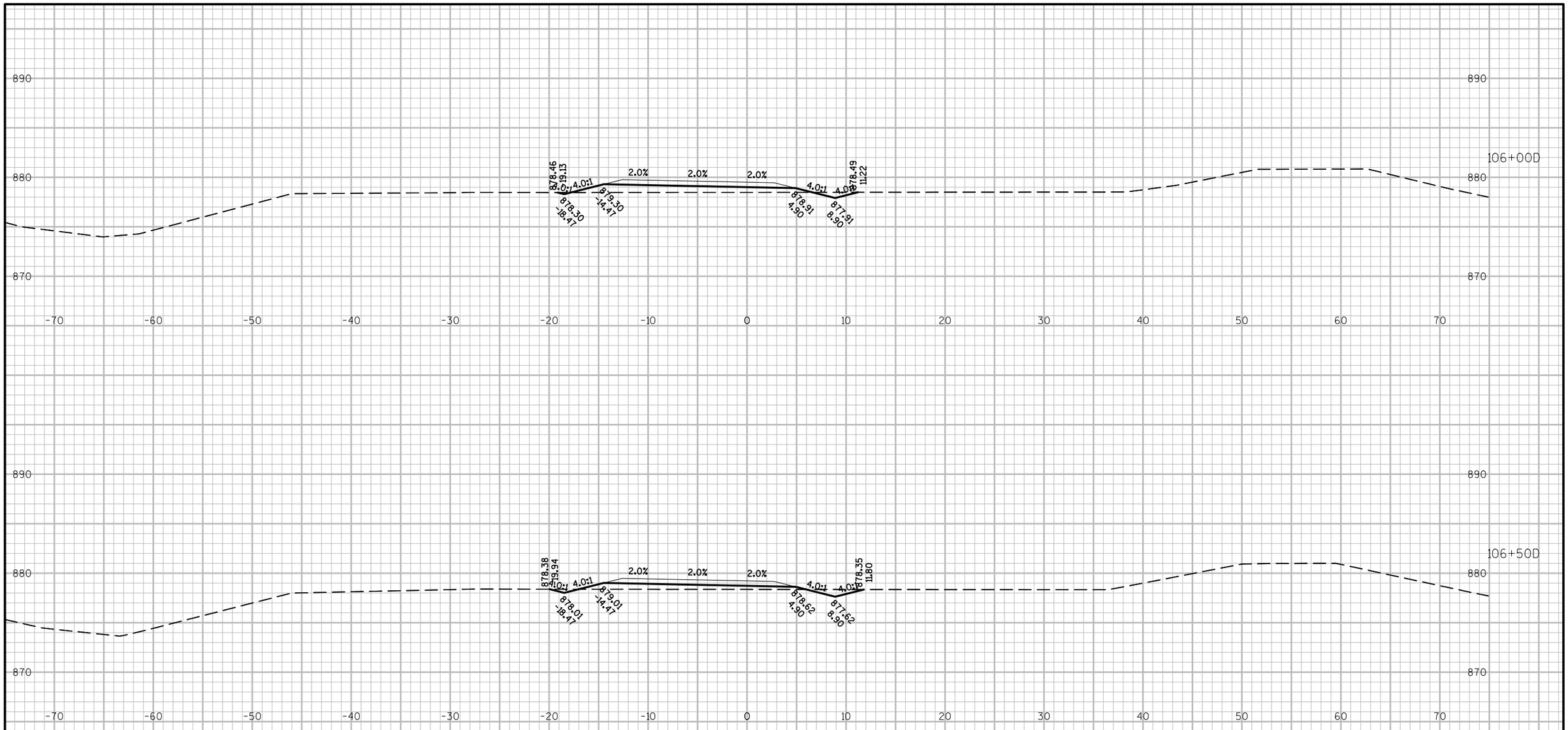
9

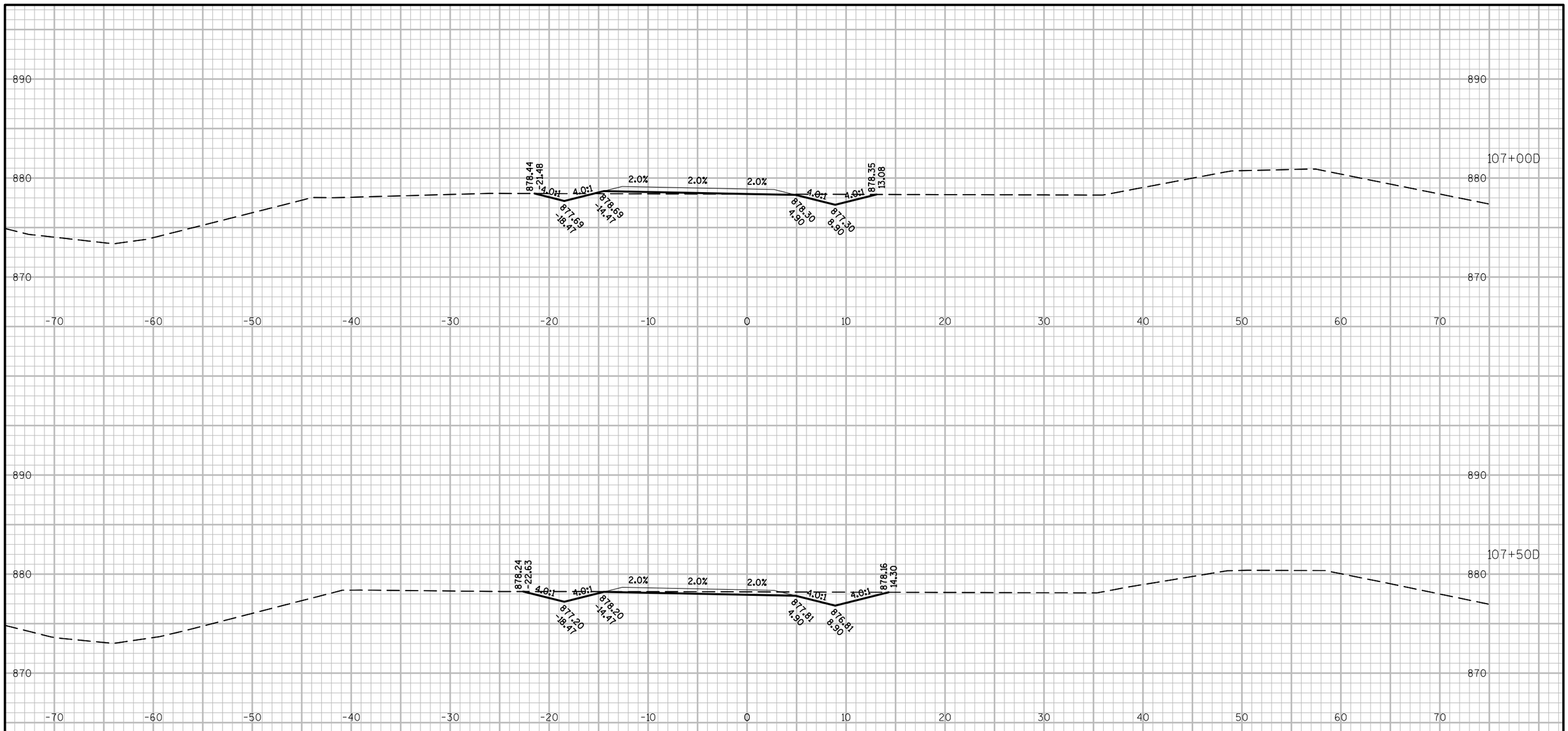
PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MULTI-USE TRAIL PARK & RIDE TO SHARED USE PATH	SHEET 579	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CCO\090203-XS.DWG LAYOUT NAME - D - 6
PLOT DATE : 6/26/2017 2:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MULTI-USE TRAIL PARK & RIDE TO SHARED USE PATH	SHEET 580	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CCO\090203-XS.DWG LAYOUT NAME - D - 7
PLOT DATE : 6/26/2017 2:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT



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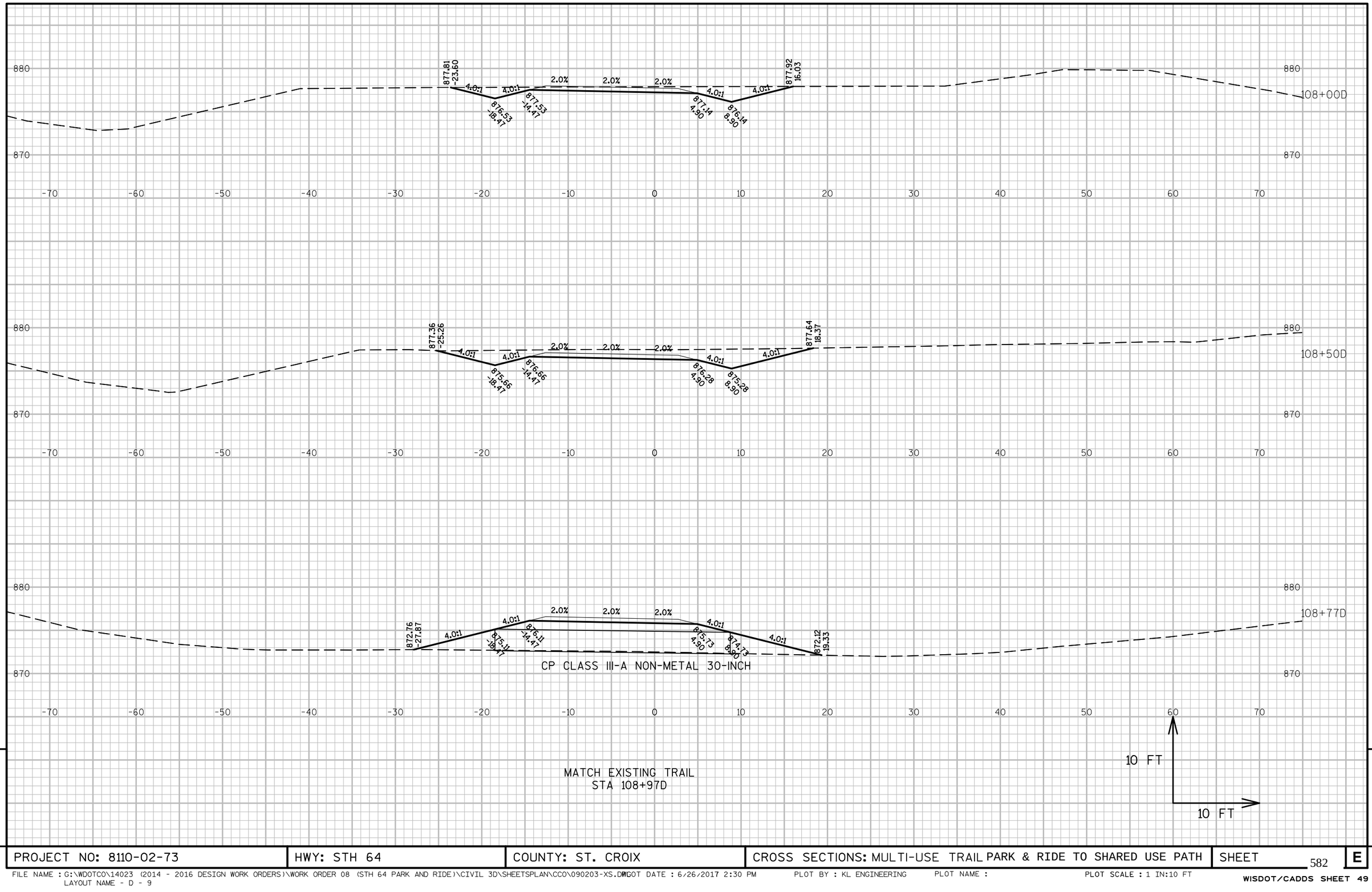
9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MULTI-USE TRAIL PARK & RIDE TO SHARED USE PATH	SHEET 581	E

FILE NAME : G:\WDOTCO\14023 (2014 - 2016 DESIGN WORK ORDERS)\WORK ORDER 08 (STH 64 PARK AND RIDE)\CIVIL 3D\SHEETSPLAN\CCO\090203-XS.DWG LAYOUT NAME - D - 8 PLOT DATE : 6/26/2017 2:30 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 8110-02-73	HWY: STH 64	COUNTY: ST. CROIX	CROSS SECTIONS: MULTI-USE TRAIL PARK & RIDE TO SHARED USE PATH	SHEET 582	E

Notes

Wisconsin Department of Transportation

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through innovation and exceptional service.

http://www.dot.wisconsin.gov