PROJECT ID: 9650-17-61, 9650-17-70

WITH: N/A

COUNTY: MENOMINEE

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 =

DESIGN DESIGNATION

A.A.D.T.	2019	= 6,660
A.A.D.T.	2039	= 7,860
D.H.V.		= 4.8
D.D.		= 60/40
T.		= 5.7%
DESIGN SPEED		= 35-45
ESALS		= 590,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9650-17-61		
9650-17-70		

SHAWANO - NEOPIT

WOLF RIVER BRIDGE B-73-0004

STH 47

MENOMINEE COUNTY

STATE PROJECT NUMBER
9650-17-61

SHAWANO - NEOPIT

DUQUAINE ROAD TO N JCT COUNTY VV

STH 47

MENOMINEE COUNTY

STATE PROJECT NUMBER
9650-17-70

90% SUBMITTAL
OCTOBER 01, 2019

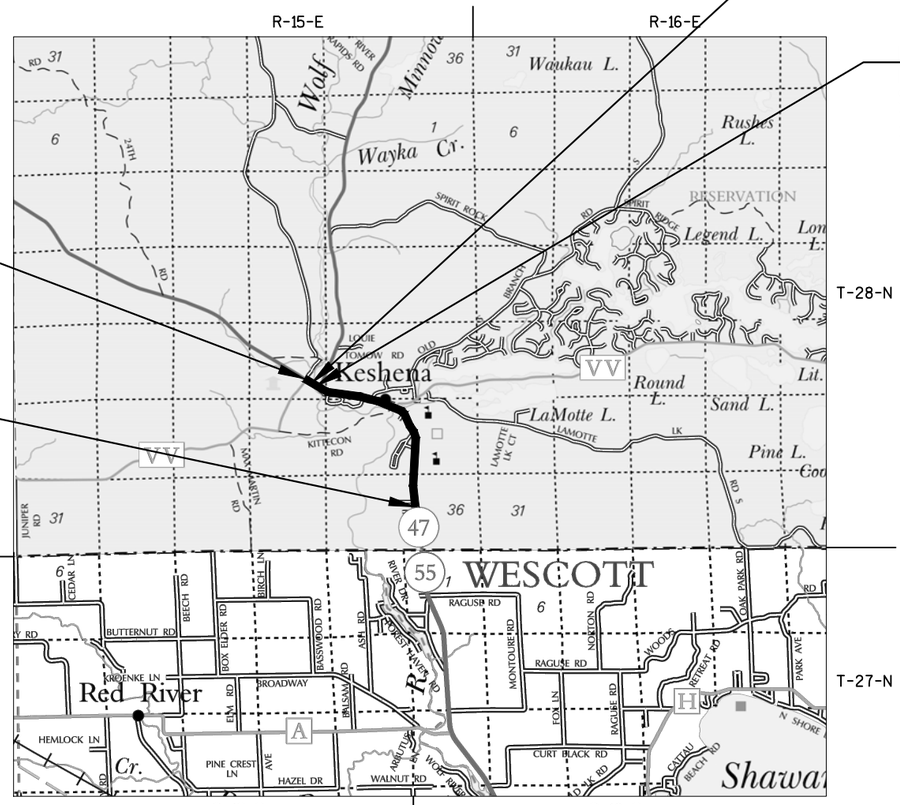
END PROJECT 9650-17-61
BEGIN CONSTRUCTION 9650-17-70
STA 215+66.41

END CONSTRUCTION 9650-17-70
BEGIN PROJECT 9650-17-61
STA 212+12.34
Y = 62,513.537
X = 284,269.878

END PROJECT 9650-17-70
STA 221+50.00

BEGIN PROJECT 9650-17-70
STA 82+45.00
Y = 54,257.932
X = 291,002.644

MENOMINEE CO
SHAWANO CO



LAYOUT SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE (9650-17-61) = 0.000 MI
TOTAL NET LENGTH OF CENTERLINE (9650-17-70) = 2.566 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES MENOMINEE COUNTY, NAD83 (2011, IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES. ELEVATIONS ON THE PLAN ARE REFERENCED TO NAVD 88.

ORIGINAL PLANS PREPARED BY

AECOM

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WisDOT
Designer	AECOM
Project Manager	DAN ERVA
Regional Examiner	CHERYL SIMON
Regional Supervisor	JED PETERS
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: (Signature)

E

GENERAL NOTES

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

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD AND BY THE TRIBAL HISTORIC PRESERVATION OFFICE, DAVID GRIGNON.

CURVE DATA IS BASED ON THE ARC DEFINITION.

ALL RADIUS DIMENSIONS ON THE PLAN FOR CURB AND GUTTER ARE TO THE FLANGE LINE, UNLESS OTHERWISE NOTED.

ALL ELEVATIONS ON THE PLAN FOR CURB AND GUTTER ARE TO THE FLANGE LINE, UNLESS OTHERWISE NOTED.

FILL AS SHOWN ON THE PLAN PERTAINS TO EMBANKMENTS CONSTRUCTED FROM COMMON EXCAVATION. THE ALLOWANCE USED FOR EXPANDING THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 25 PERCENT. ALL FILL VOLUMES SHOWN ARE ACTUAL VOLUMES.

THE ENTIRE STH 47 ROADWAY IS WITHIN TRIBAL LAND EASEMENT. THERE IS TO BE NO WORK OUTSIDE OF THE SLOPE INTERCEPTS WITHOUT APPROVAL OF THE ENGINEER IN THE FIELD AND THE TRIBAL HISTORIC PRESERVATION OFFICER.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, AND MULCHED.

STORM SEWER GENERAL NOTES

OFFSETS TO INLETS AND MANHOLES SHOWN ON THE STORM SEWER DETAILS ARE TO THE CENTER OF THE STRUCTURE OPENING UNLESS NOTED OTHERWISE.

OFFSETS TO APRON ENDWALLS SHOWN ON THE STORM SEWER DETAILS ARE AT THE END OF STORM SEWER PIPE.

ELEVATIONS FOR MANHOLES SHOWN ON STORM SEWER DETAILS ARE FINISHED ROADWAY ELEVATION. ELEVATIONS FOR INLETS ARE FLANGE ELEVATION. (SEE DETAILS)

STORM SEWER PIPE SLOPES ARE CALCULATED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD AND MODIFIED IF NECESSARY TO MEET EXISTING CONDITIONS.

UTILITY CONTACTS

ELECTRIC:

KENT SMITH
WISCONSIN POWER AND LIGHT COMPANY (ALLIANT ENERGY)
708 N. EAST 7TH STREET
MARION, WI 54950
715-754-4323 (OFFICE)
EMAIL:kentsmith@alliantenergy.com

COMMUNICATION:

RUDI RUDIGER
CHARTER COMMUNICATIONS
5024 HEFFRON STREET
STEVENS POINT, WI 54481
715-204-5334 (OFFICE)
EMAIL: rudi.rudiger@charter.com

COMMUNICATION:

JAMES JASKOLSKI
FRONTIER COMMUNICATIONS OF WISCONSIN LLC
26 WEST 12TH STREET
CLINTONVILLE, WI 54929
715-823-1227 (OFFICE)
715-853-6843 (MOBILE)
EMAIL: james.jaskolski@fbr.com

WATER & SANITARY:

MARLIN WAUPOOSE
MENOMINEE INDIAN TRIBE OF WISCONSIN UTILITIES
PO BOX 250
KESHENA, WI 54135
715-799-3587 (OFFICE)
EMAIL: mwaupoose@mitw.org

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 37.583 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 25.964 ACRES

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

MENOMINEE TRIBAL CONTACTS

MENOMINEE INDIAN TRIBE OF WISCONSIN
COMMUNITY DEVELOPMENT
BRAD BOWMAN
PO BOX 910
KESHENA, WI 54135
715-799-5147 (OFFICE)
715-853-5506 (MOBILE)
EMAIL: bbowman@mitw.org

MENOMINEE INDIAN TRIBE OF WISCONSIN
TRIBAL HISTORICAL PRESERVATION OFFICER
DAVE GRIGNON
PO BOX 910
KESHENA, WI 54135
715-799-5258 (OFFICE)
EMAIL: dgrignon@mitw.org

DNR LIAISON

WISCONSIN DNR
JIM DOPERALSKI JR.
2984 SHAWANO AVENUE
GREEN BAY, WI 54313-6727
920-412-0165 (OFFICE)
EMAIL: james.doperalski@wisconsin.gov

2

END CONSTRUCTION 9650-17-70
BEGIN PROJECT 9650-17-61
STA 212+12.34

END RECONDITION
BEGIN RESURFACE
STA 197+95.30

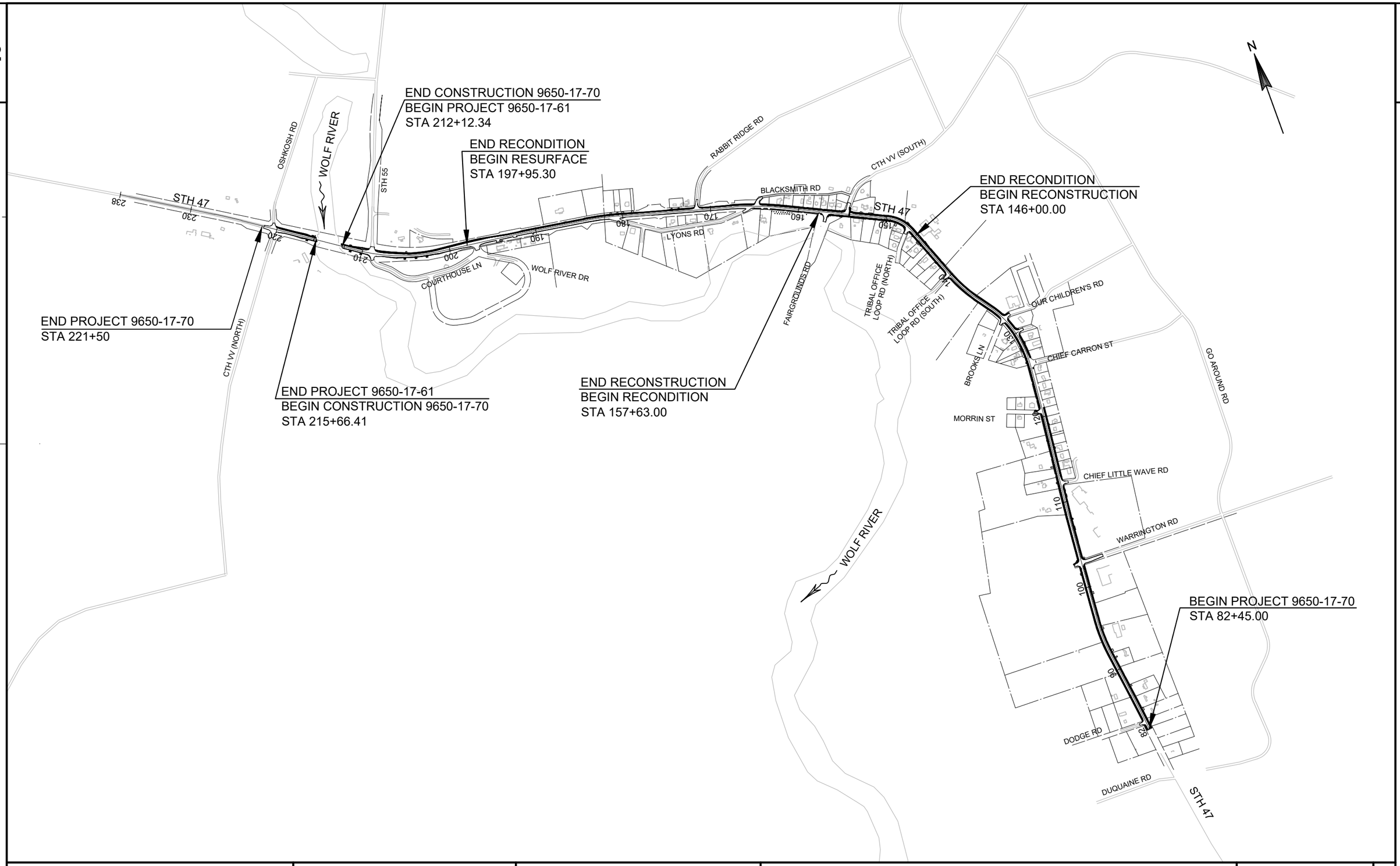
END RECONDITION
BEGIN RECONSTRUCTION
STA 146+00.00

END PROJECT 9650-17-70
STA 221+50

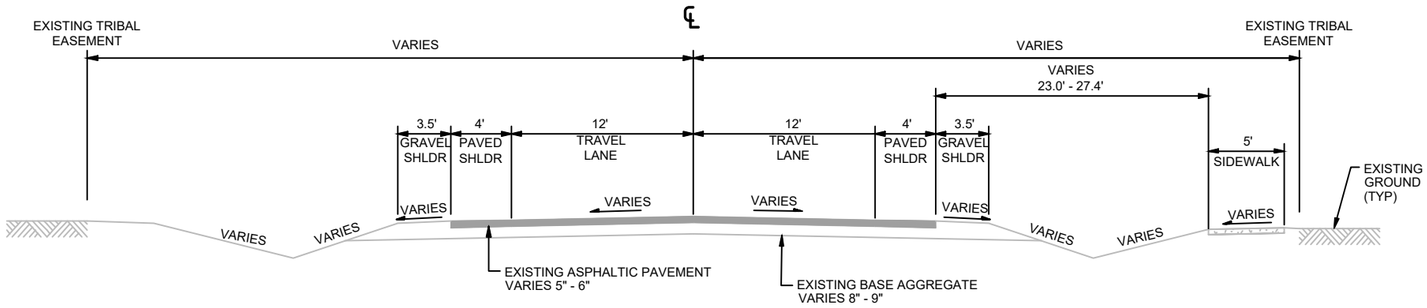
END PROJECT 9650-17-61
BEGIN CONSTRUCTION 9650-17-70
STA 215+66.41

END RECONSTRUCTION
BEGIN RECONDITION
STA 157+63.00

BEGIN PROJECT 9650-17-70
STA 82+45.00

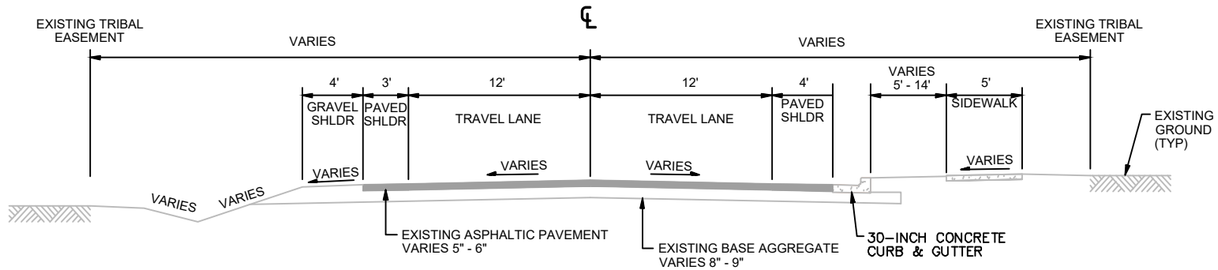


PROJECT NO: 9650-17-61/70	HWY: STH 47	COUNTY: MENOMINEE	PROJECT OVERVIEW	SHEET	E



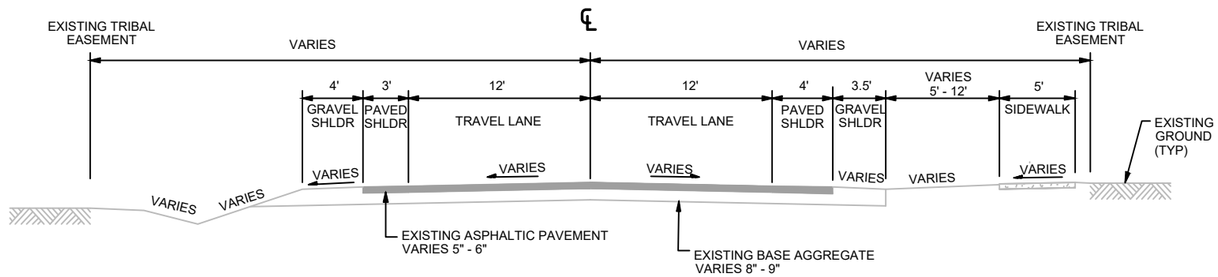
TYPICAL EXISTING SECTION - STH 47

STA 82+45 - STA 109+75



TYPICAL EXISTING SECTION - STH 47

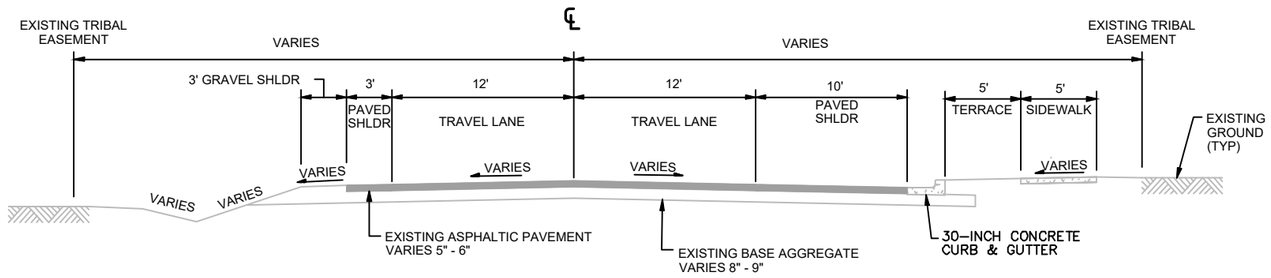
STA 109+75 - STA 126+75



TYPICAL EXISTING SECTION - STH 47

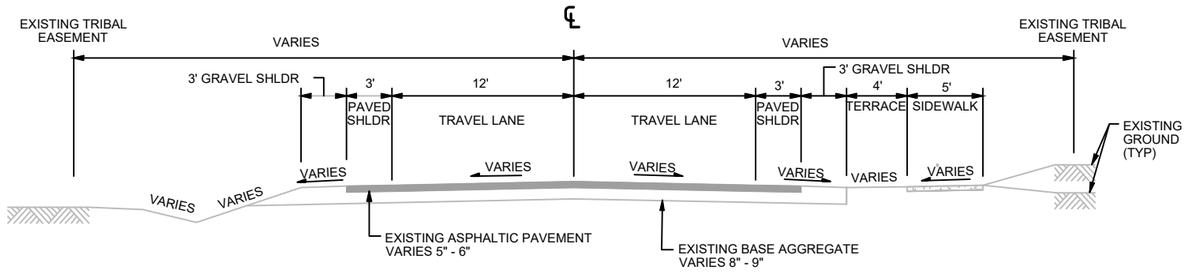
STA 126+75 - STA 130+50

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TYPICAL SECTIONS	SHEET	E



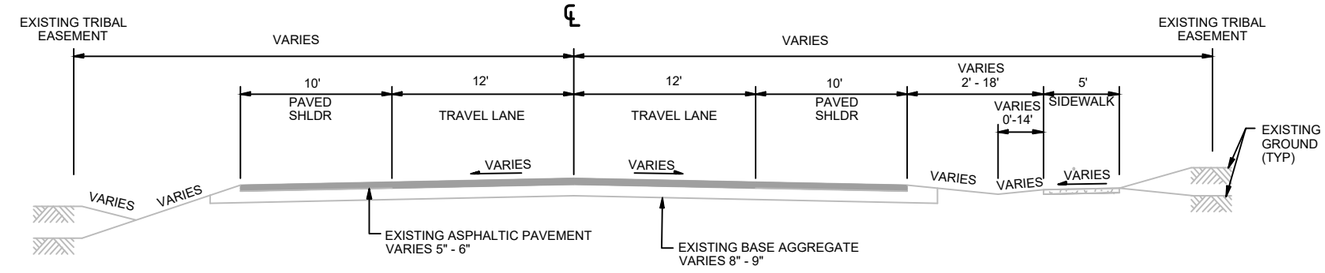
TYPICAL EXISTING SECTION - STH 47

STA 130+50 - STA 135+75



TYPICAL EXISTING SECTION - STH 47

STA 135+75 - STA 147+40

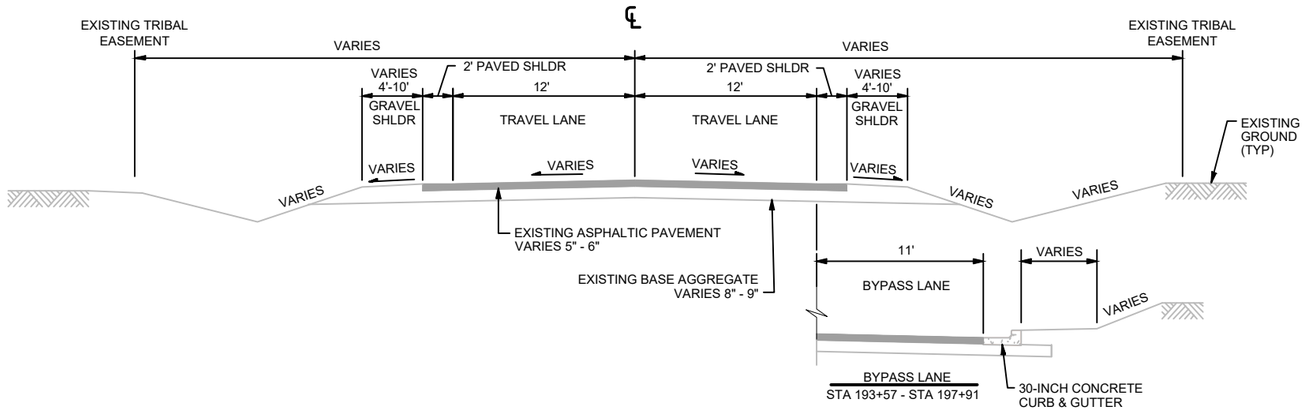


TYPICAL EXISTING SECTION - STH 47

STA 147+40 - STA 165+50

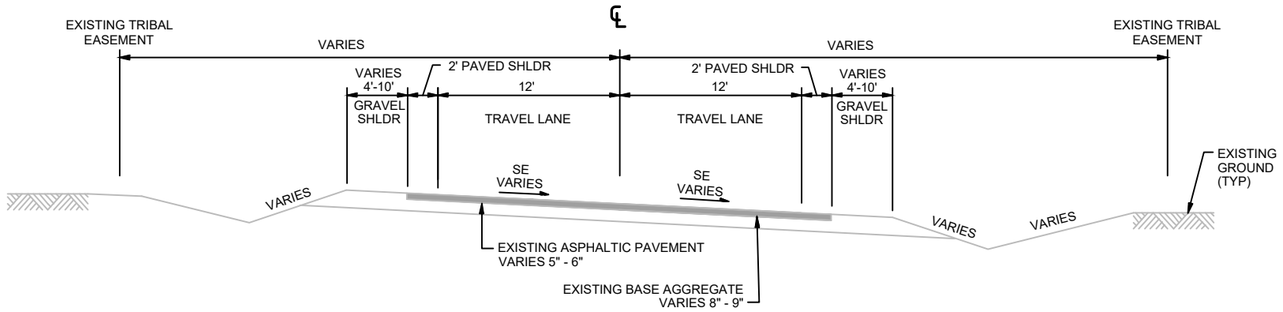
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TYPICAL SECTIONS	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0203_TS.DWG PLOT DATE : 10/1/2019 1:21 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT



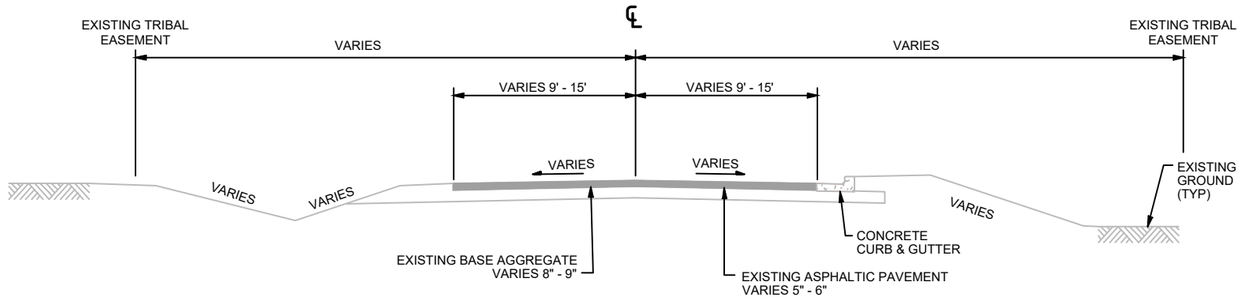
TYPICAL EXISTING SECTION - STH 47

STA 165+50 - STA 179+30
STA 185+17 - STA 221+50



TYPICAL SUPERELEVATED EXISTING SECTION - STH 47

STA 179+30 - STA 185+17

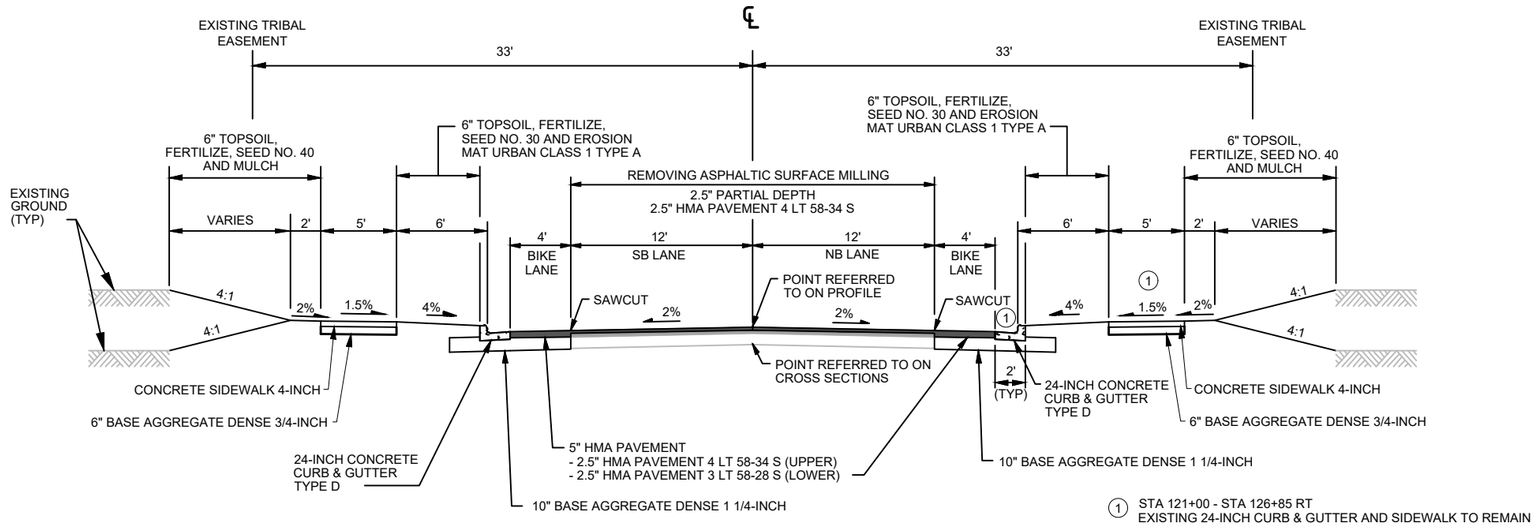


TYPICAL EXISTING SECTION - SIDE ROADS

DODGE RD	TRIBAL OFFICE LOOP RD
WARRINGTON RD	CTH VV
CHIEF LITTLE WAVE RD	FAIRGROUNDS RD
MORRIN ST	BLACKSMITH RD
CHIEF CARRON ST	LYONS RD
OUR CHILDREN'S RD	WOLF RIVER DR
BROOKS LN	OSHKOSH RD
RABBIT RIDGE RD	STH 55
COURTHOUSE LN	

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TYPICAL SECTIONS	SHEET	E

2

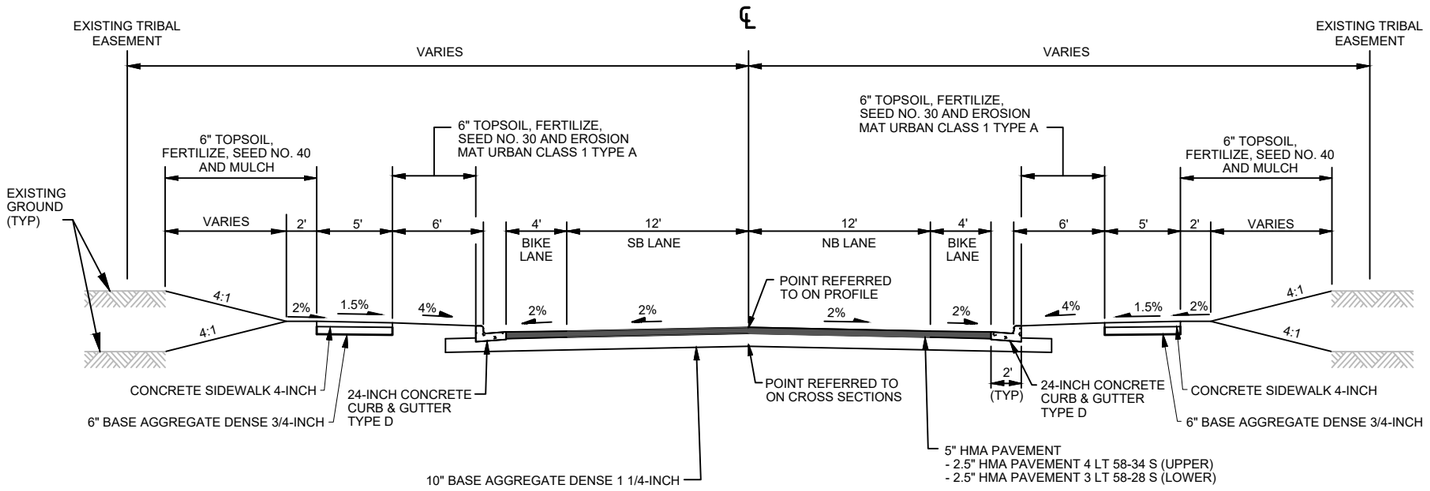


TYPICAL FINISHED SECTION - STH 47

STA 82+45.0 - STA 146+00.0

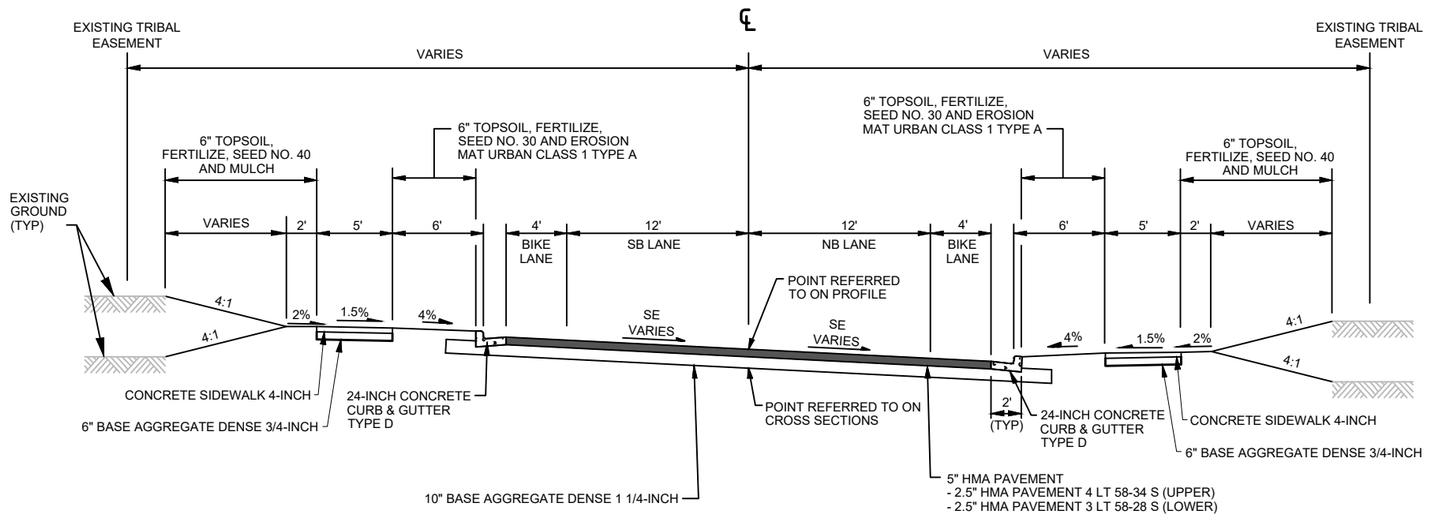
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TYPICAL SECTIONS	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0203_TS.DWG PLOT DATE : 10/1/2019 1:21 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT



TYPICAL FINISHED SECTION - STH 47

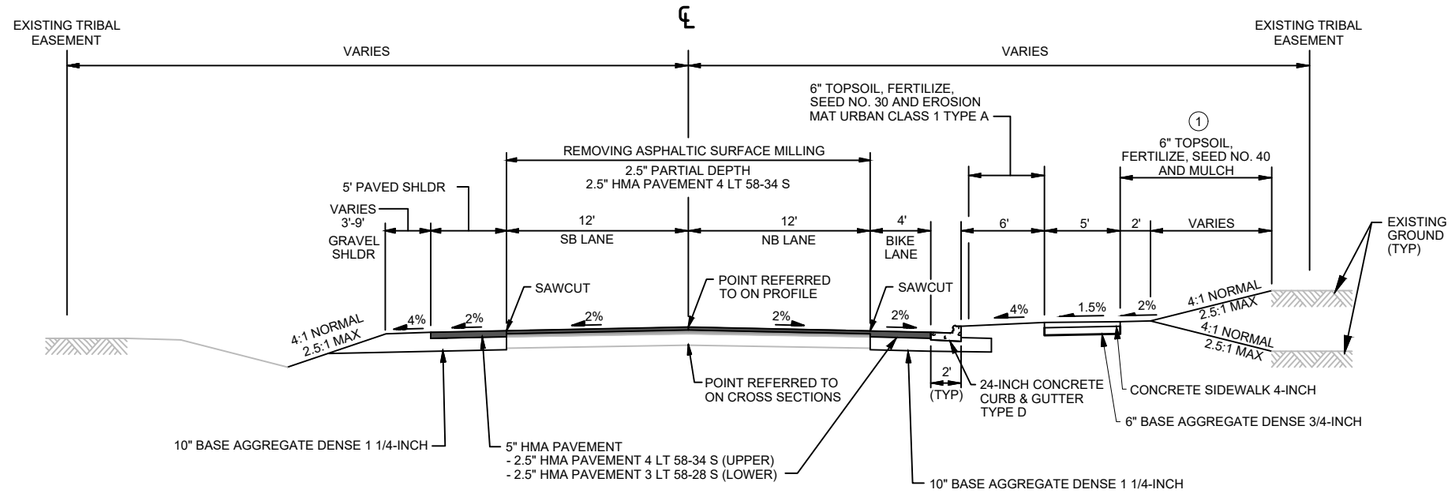
STA 146+00 - STA 146+10
STA 150+51 - STA 157+63



TYPICAL SUPERELEVATED FINISHED SECTION - STH 47

STA 146+10 - STA 150+51

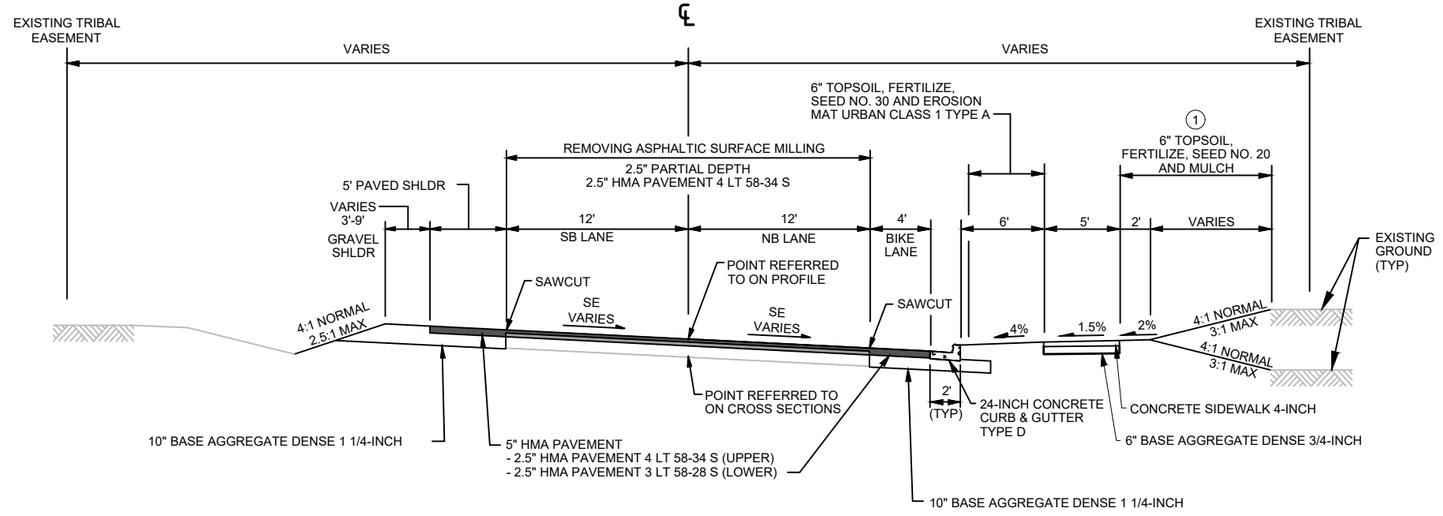
SUPERELEVATION TABLE		
	CROSS SLOPE (%)	
STATION	LT LANE	RT LANE
146+10	-2.0	-2.0
146+49	-2.0	0.0
146+88	-2.0	2.0
149+73	-2.0	2.0
150+12	-2.0	0.0
150+51	-2.0	-2.0



TYPICAL FINISHED SECTION - STH 47

STA 157+63 - STA 179+30
STA 185+17 - STA 197+95

1 STA 164+50 - STA 179+30 RT
STA 185+17 - STA 197+95 RT
USE SEED NO. 20
ON SLOPES 3:1 OR STEEPER USE EROSION MAT CLASS I TYPE A

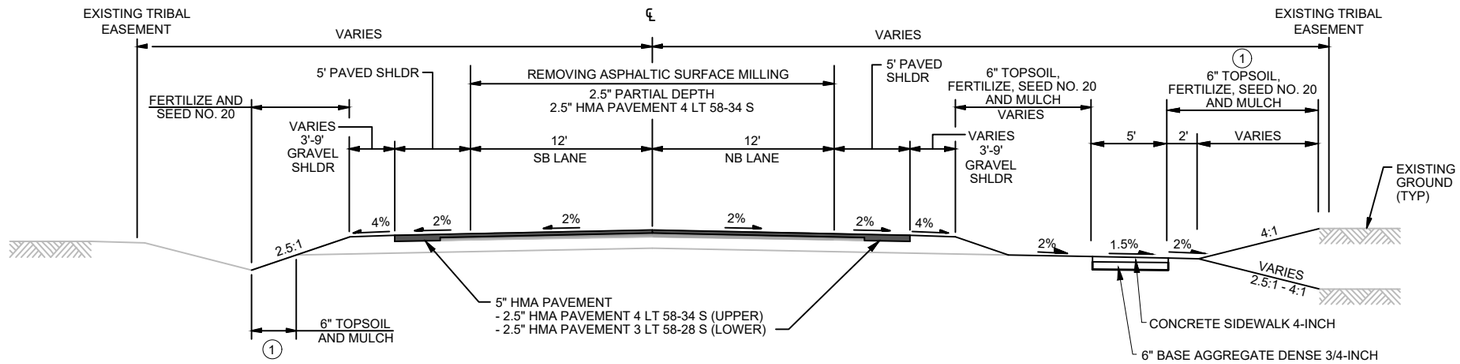


TYPICAL SUPERELEVATED FINISHED SECTION - STH 47

STA 179+30 - STA 185+17

SUPERELEVATION TABLE		
	CROSS SLOPE (%)	
STATION	LT LANE	RT LANE
179+30	-2.0	-2.0
179+75	-2.0	0.0
180+20	-2.0	2.0
180+31	-2.5	2.5
184+16	-2.5	2.5
184+27	-2.0	2.0
184+72	-2.0	0.0
185+17	-2.0	-2.0

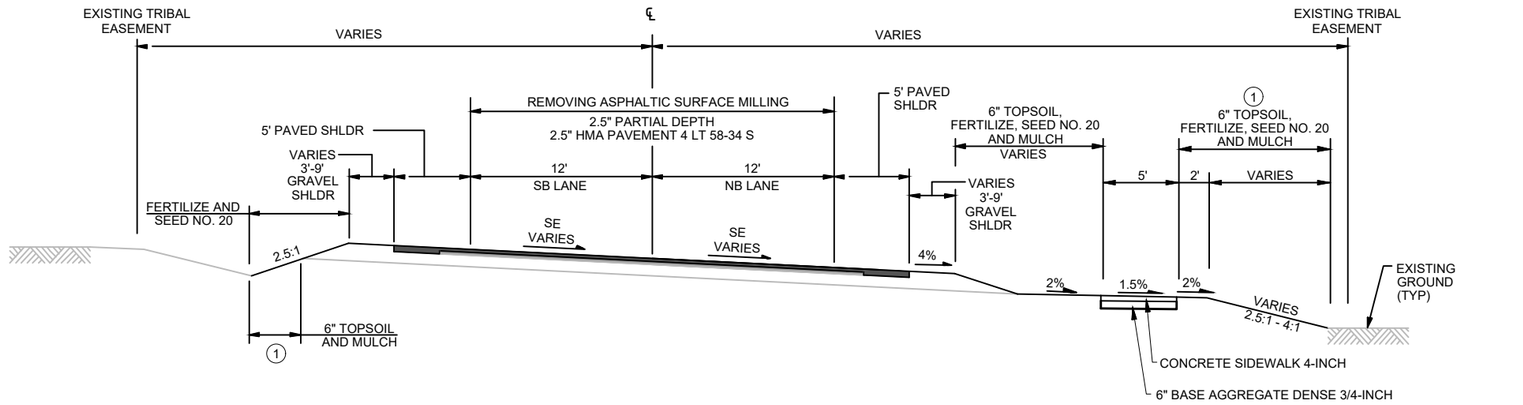
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TYPICAL SECTIONS	SHEET	E



1 ON SLOPES 3:1 OR STEEPER USE EROSION MAT CLASS I TYPE A

TYPICAL FINISHED SECTION - STH 47

STA 197+95 - STA 200+14
STA 211+96 - STA 212+27
STA 215+51 - STA 221+50



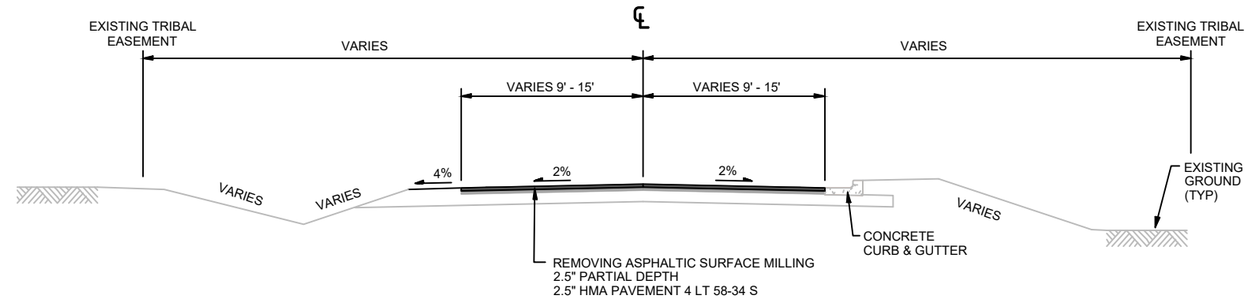
1 ON SLOPES 3:1 OR STEEPER USE EROSION MAT CLASS I TYPE A

TYPICAL SUPERELEVATED FINISHED SECTION - STH 47

STA 200+14 - STA 211+96

SUPERELEVATION TABLE		
	CROSS SLOPE (%)	
STATION	LT LANE	RT LANE
200+14	-2.0	-2.0
200+65	0.0	-2.0
201+16	2.0	-2.0
201+95	5.1	-5.1
208+19	5.1	-5.1
209+44	4.9	-4.9
210+20	4.9	-4.9
210+94	2.0	-2.0
211+45	0.0	-2.0
211+96	-2.0	-2.0

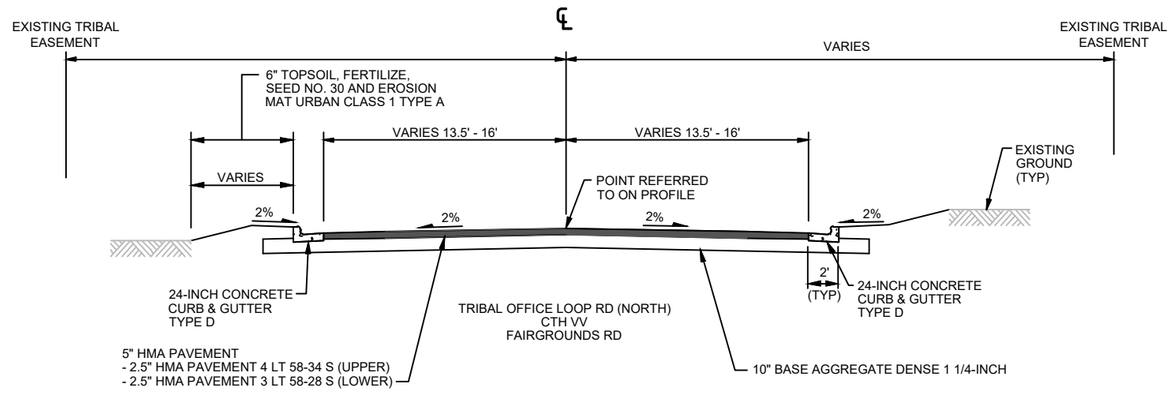
2

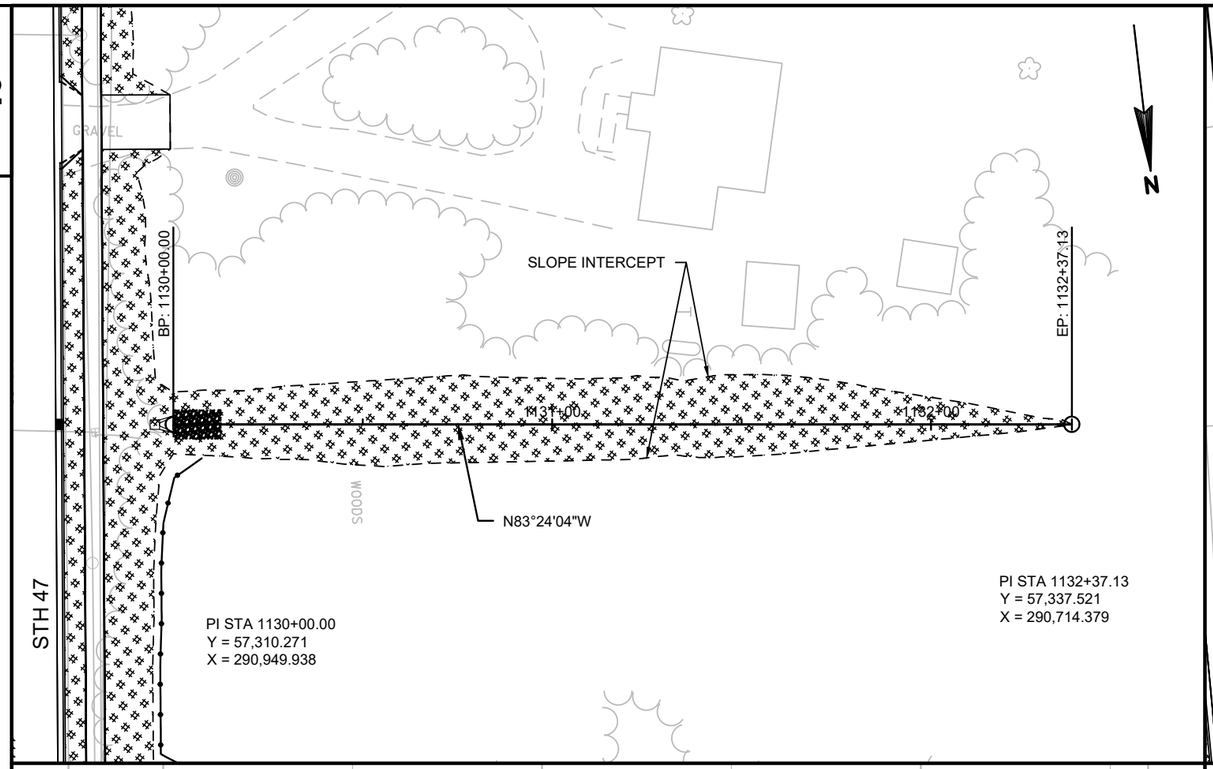


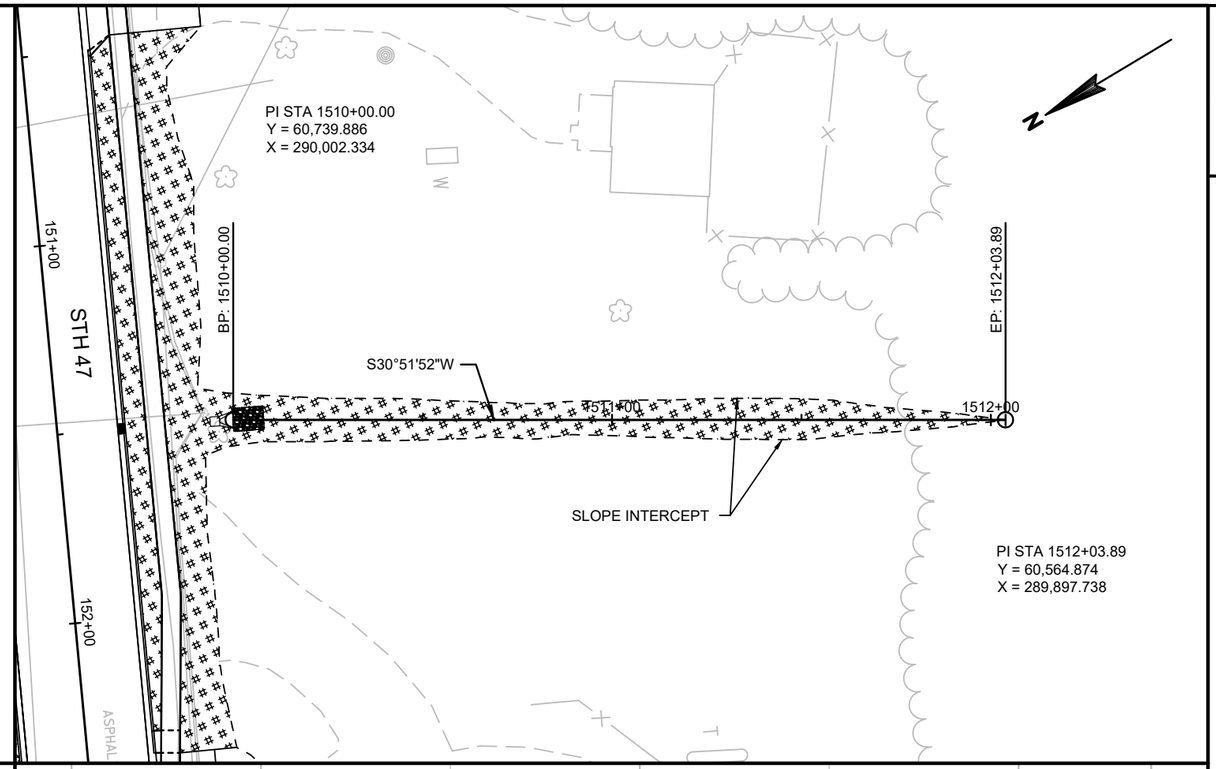
TYPICAL FINISHED SECTION - SIDE ROADS

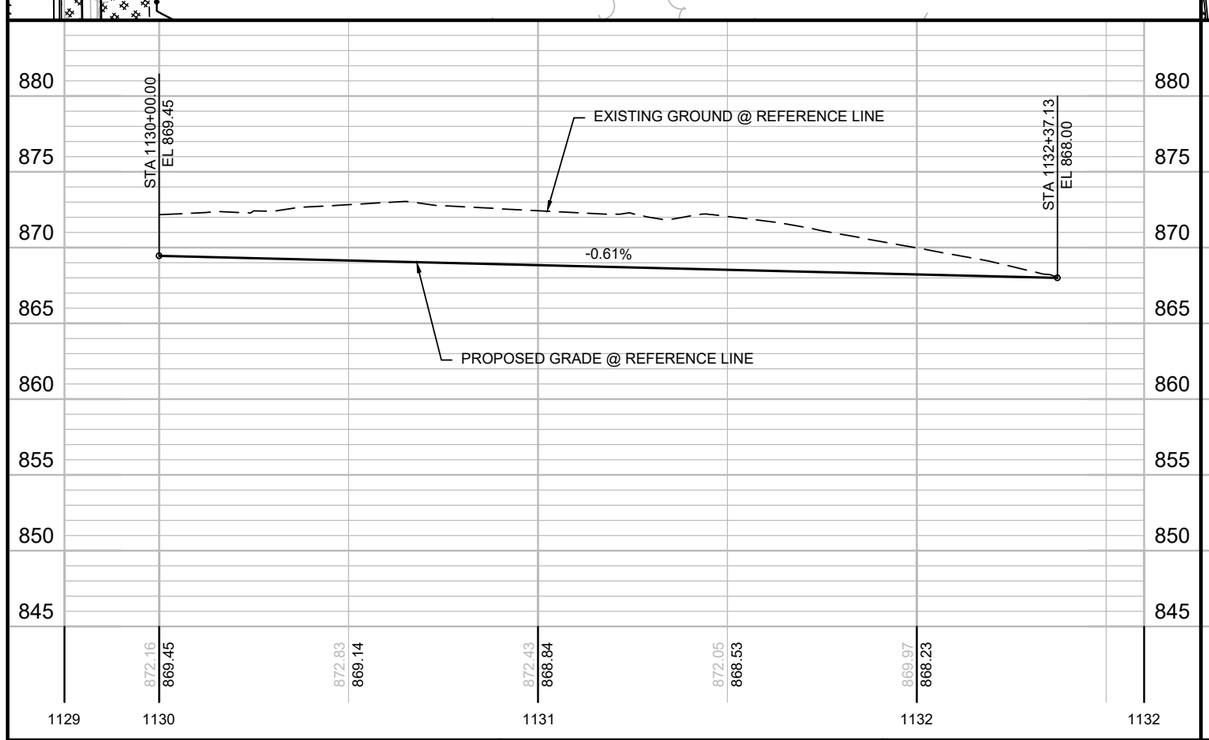
DODGE RD
WARRINGTON RD
CHIEF LITTLE WAVE RD
MORRIN ST
CHIEF CARRON ST
OUR CHILDREN'S RD
BROOKS LN
RABBIT RIDGE RD
COURTHOUSE LN

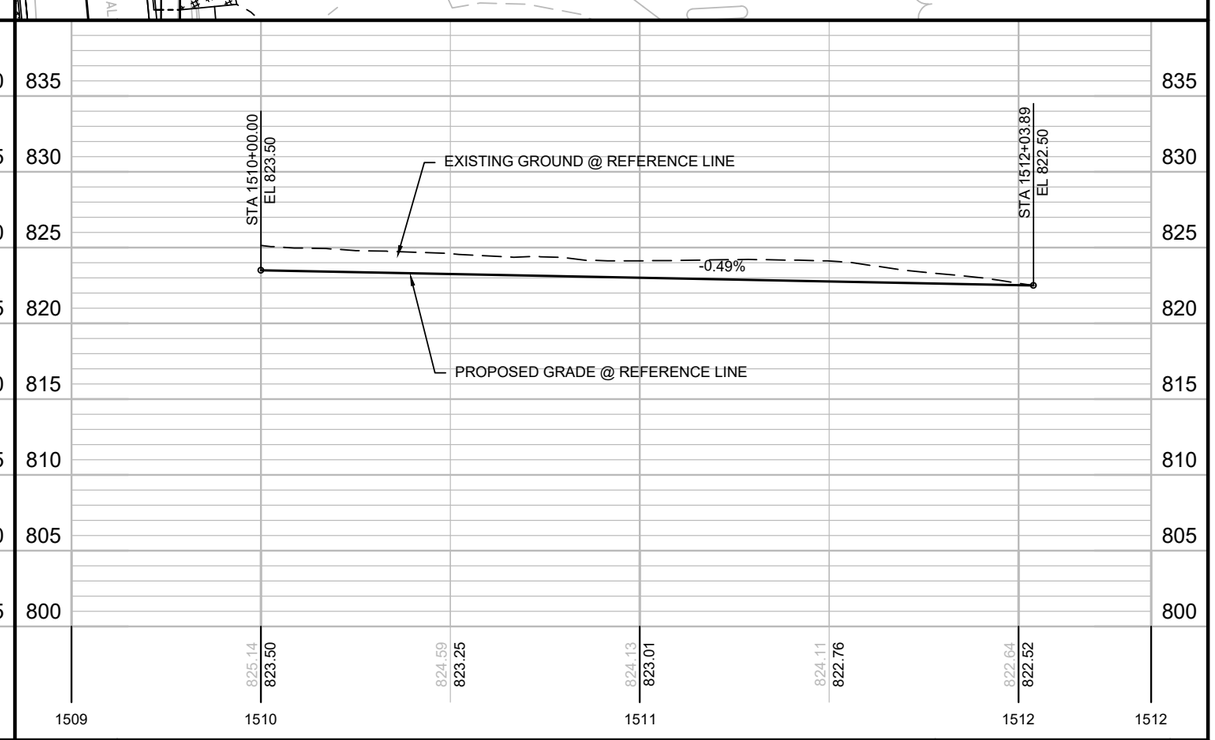
TRIBAL OFFICE LOOP RD (SOUTH)
BLACKSMITH RD
LYONS RD
WOLF RIVER DR
OSHKOSH RD
STH 55



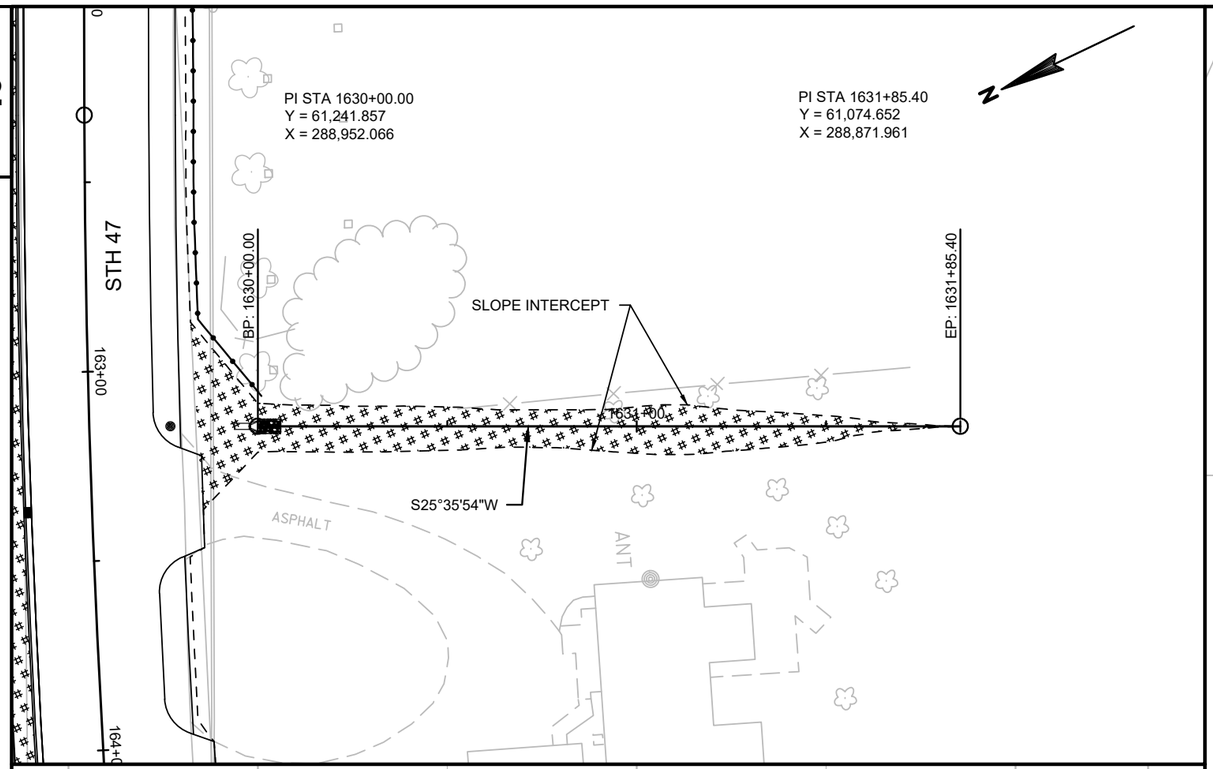


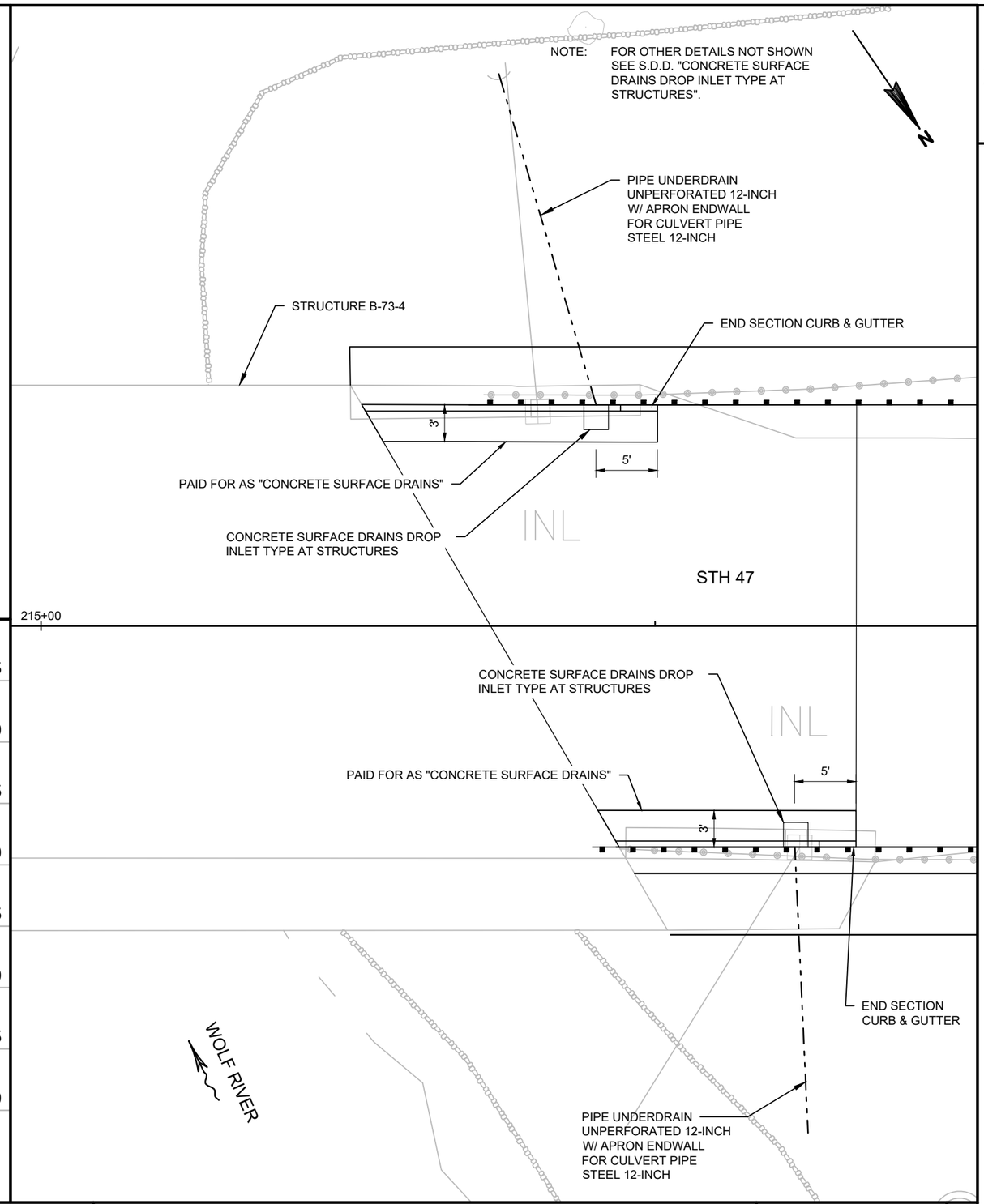




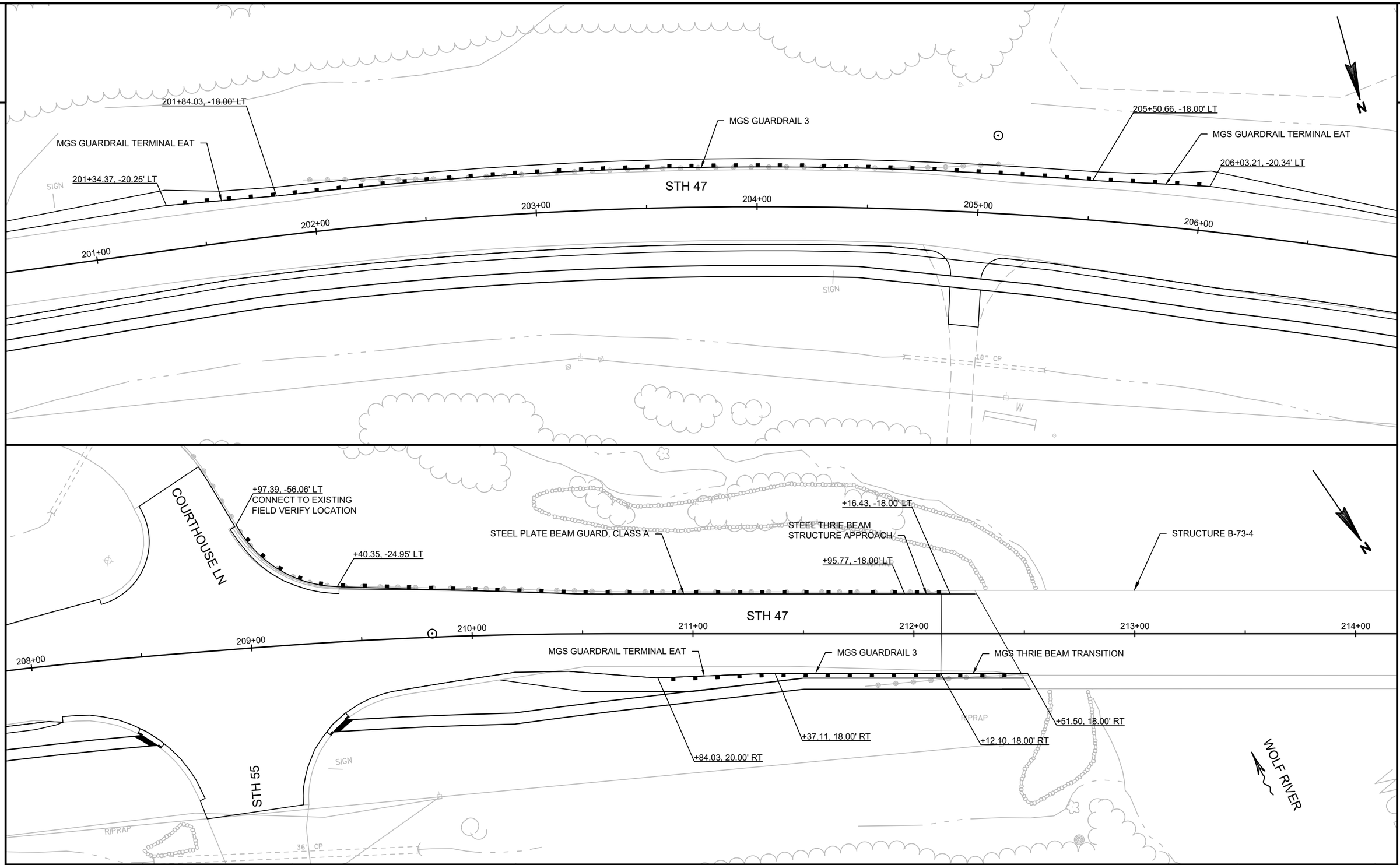


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CONSTRUCTION DETAILS	SHEET	E


PI STA 1630+00.00
Y = 61,241.857
X = 288,952.066
PI STA 1631+85.40
Y = 61,074.652
X = 288,871.961
N
STH 47
BP: 1630+00.00
EP: 1631+85.40
SLOPE INTERCEPT
1631+00
S25°35'54"W
ASPHALT
AINT
163+00
164+0
835
830
825
820
815
810
805
800
STA 1630+00.00
EL 824.38
STA 1631+85.40
EL 822.00
EXISTING GROUND @ REFERENCE LINE
-1.28%
PROPOSED GRADE @ REFERENCE LINE
825.96
824.38
825.15
823.74
824.56
823.10
823.27
822.45
1629
1630
1631
1632
1632

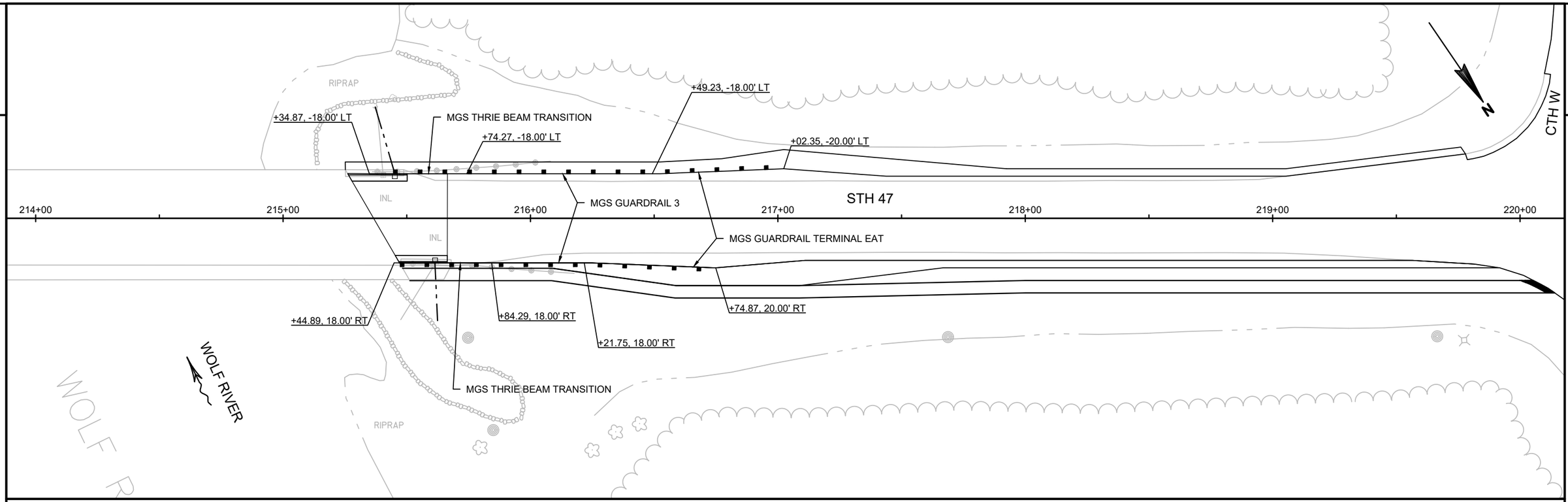

NOTE: FOR OTHER DETAILS NOT SHOWN SEE S.D.D. "CONCRETE SURFACE DRAINS DROP INLET TYPE AT STRUCTURES".
N
PIPE UNDERDRAIN
UNPERFORATED 12-INCH
W/ APRON ENDWALL
FOR CULVERT PIPE
STEEL 12-INCH
STRUCTURE B-73-4
END SECTION CURB & GUTTER
3'
5'
PAID FOR AS "CONCRETE SURFACE DRAINS"
CONCRETE SURFACE DRAINS DROP
INLET TYPE AT STRUCTURES
INL
STH 47
215+00
CONCRETE SURFACE DRAINS DROP
INLET TYPE AT STRUCTURES
INL
PAID FOR AS "CONCRETE SURFACE DRAINS"
5'
3'
END SECTION
CURB & GUTTER
WOLF RIVER
PIPE UNDERDRAIN
UNPERFORATED 12-INCH
W/ APRON ENDWALL
FOR CULVERT PIPE
STEEL 12-INCH

2



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0210_CD.DWG
LAYOUT NAME - 0210_CD - 021003_CD
PLOT DATE : 10/1/2019 1:37 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:40 FT



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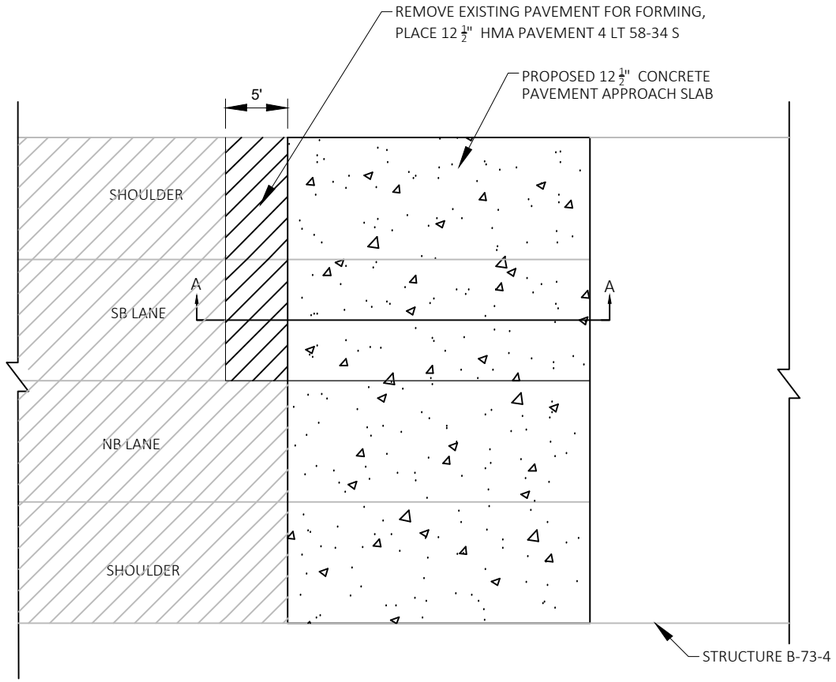
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CONSTRUCTION DETAILS	SHEET	E

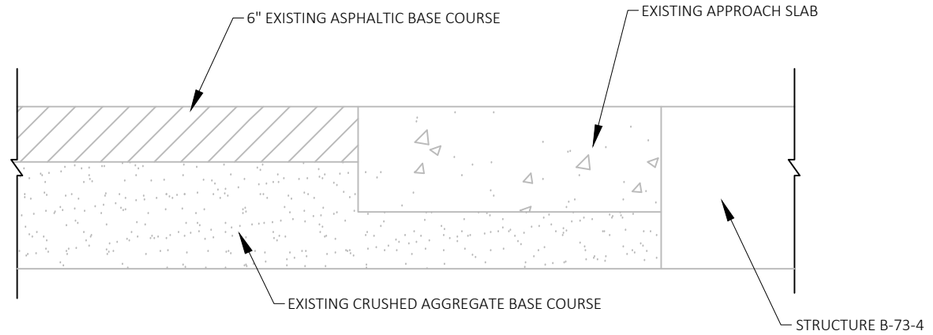
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0210_CD.DWG
LAYOUT NAME - 0210_CD - 021004_CD
PLOT DATE : 10/1/2019 1:37 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

NOTE:
STAGE 1A SOUTHBOUND APPROACH SHOWN. MIRROR DETAIL FOR NORTHBOUND APPROACH AND STAGE 1B.

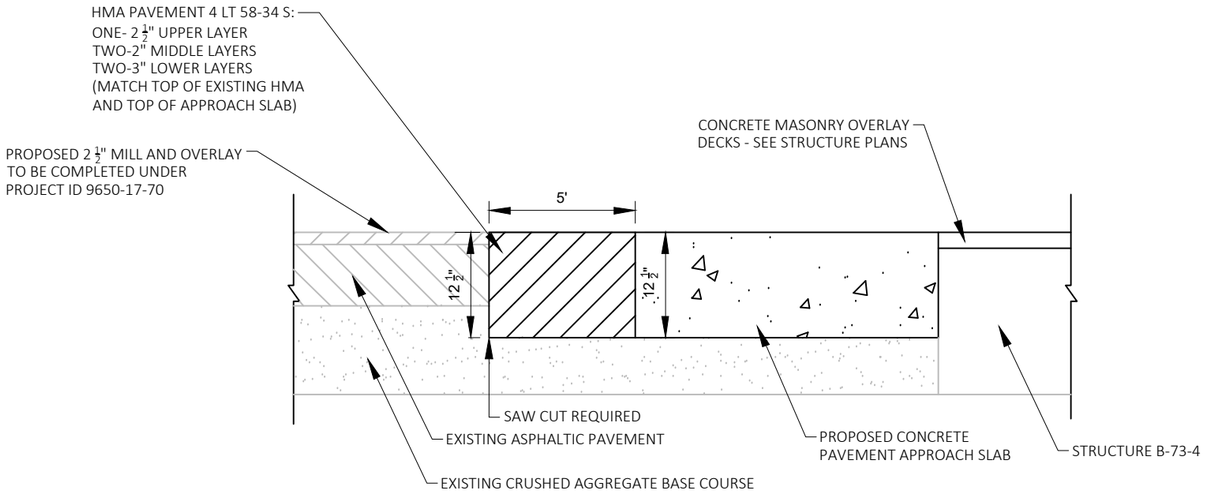
2



PLAN VIEW
NOT TO SCALE



EXISTING SECTION A-A
NOT TO SCALE



PROPOSED SECTION A-A
NOT TO SCALE

PAVEMENT TRANSITION DETAIL
STA 212+07.34 TO STA 212+38.42
STA 215+36.71 TO 215+71.41 (MIRROR)

2

SANITARY
(MITW UTILITIES)

HIGHWAY EASEMENT

SLOPE INTERCEPT

TLE

DODGE RD

FIBER OPTIC
(FRONTIER
COMMUNICATIONS)

HIGHWAY
EASEMENT
TLE

WOODS

CONCRETE

ASPHALT

82

83

STH 47

REMOVING SMALL
PIPE CULVERTS

MATCHLINE STA. 84+00

HIGHWAY EASEMENT

HIGHWAY EASEMENT

LEGEND

CLEARING AND GRUBBING

REMOVING CONCRETE SIDEWALK

REMOVING PAVEMENT

SAWCUT

BEGIN PROJECT 9650-17-70
STA 82+45.00
MATCH EXISTING - SAWCUT REQUIRED

TLE

SLOPE INTERCEPT

WATER
(MITW UTILITIES)

REMOVING CONCRETE SIDEWALK

REMOVING SMALL PIPE CULVERTS

EXISTING TRIBAL SIDEWALK
AND UTILITY EASEMENT

FIBER OPTIC
(FRONTIER COMMUNICATIONS)

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

TLE

WOODS

REMOVING SMALL PIPE CULVERTS

TELEPHONE
(FRONTIER COMMUNICATIONS)

SLOPE INTERCEPT

HIGHWAY EASEMENT

MATCHLINE STA. 84+00

85

86

87

STH 47

88

89

MATCHLINE STA. 90+00

HIGHWAY EASEMENT

EXISTING TRIBAL SIDEWALK AND UTILITY EASEMENT

TLE

CLEARING AND GRUBBING
(TYP)

SANITARY
(MITW UTILITIES)

WATER
(MITW UTILITIES)

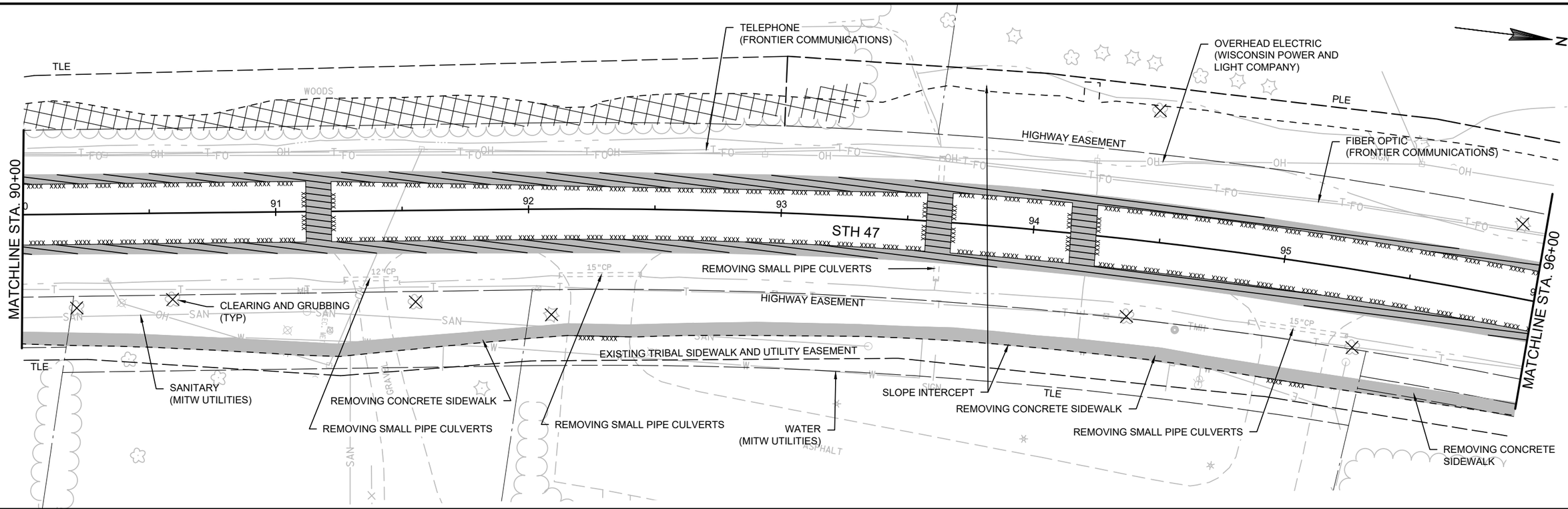
REMOVING SMALL PIPE CULVERTS

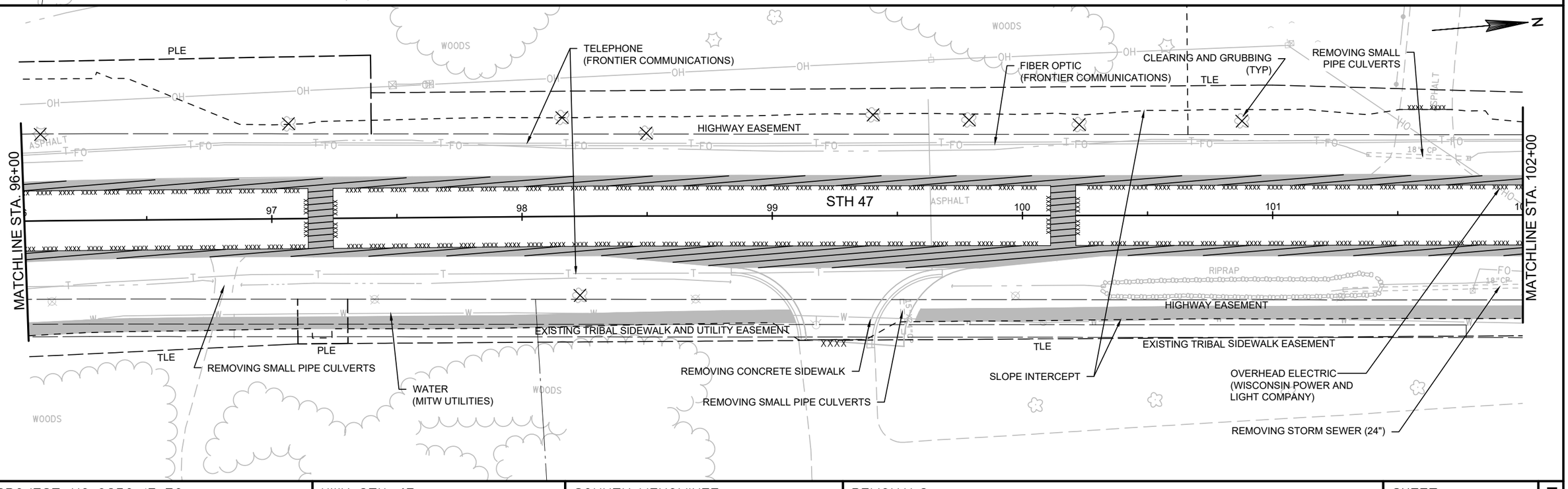
REMOVING CONCRETE SIDEWALK

REMOVING
CONCRETE
SIDEWALK

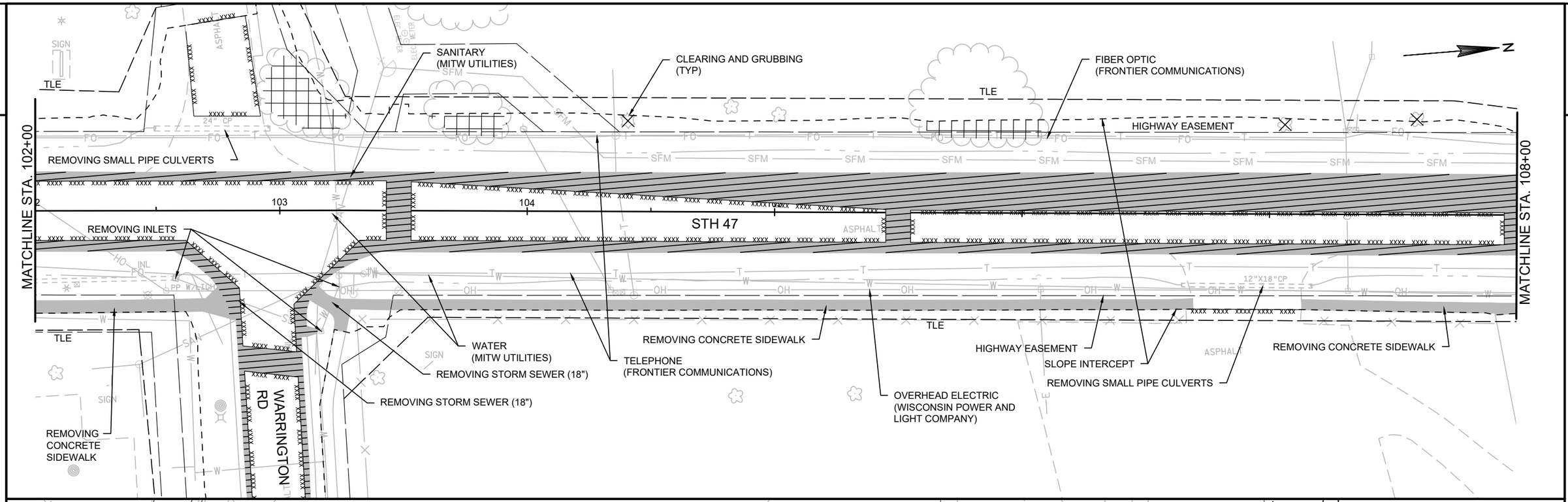
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	REMOVALS	SHEET	E

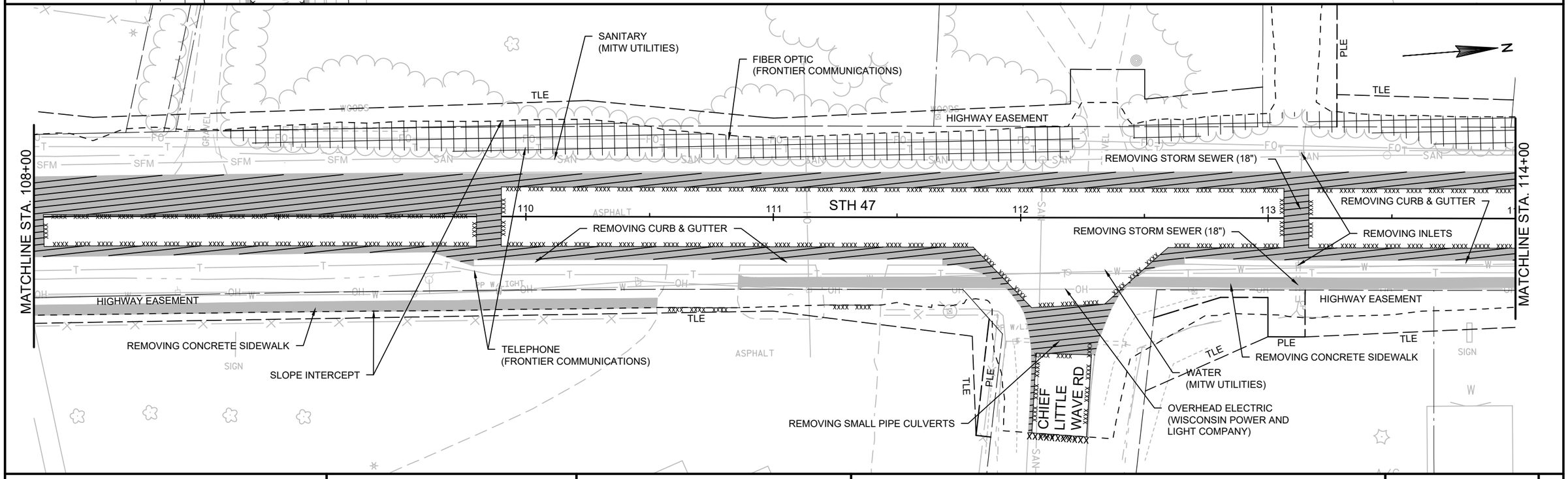
2





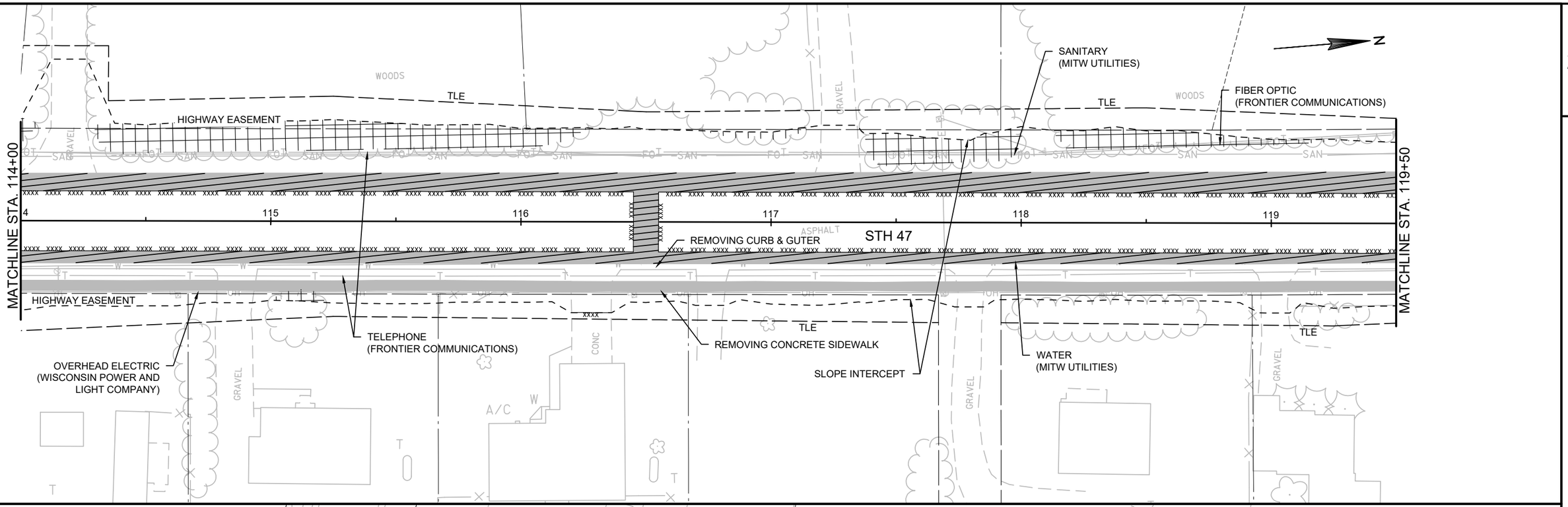
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	REMOVALS	SHEET	E

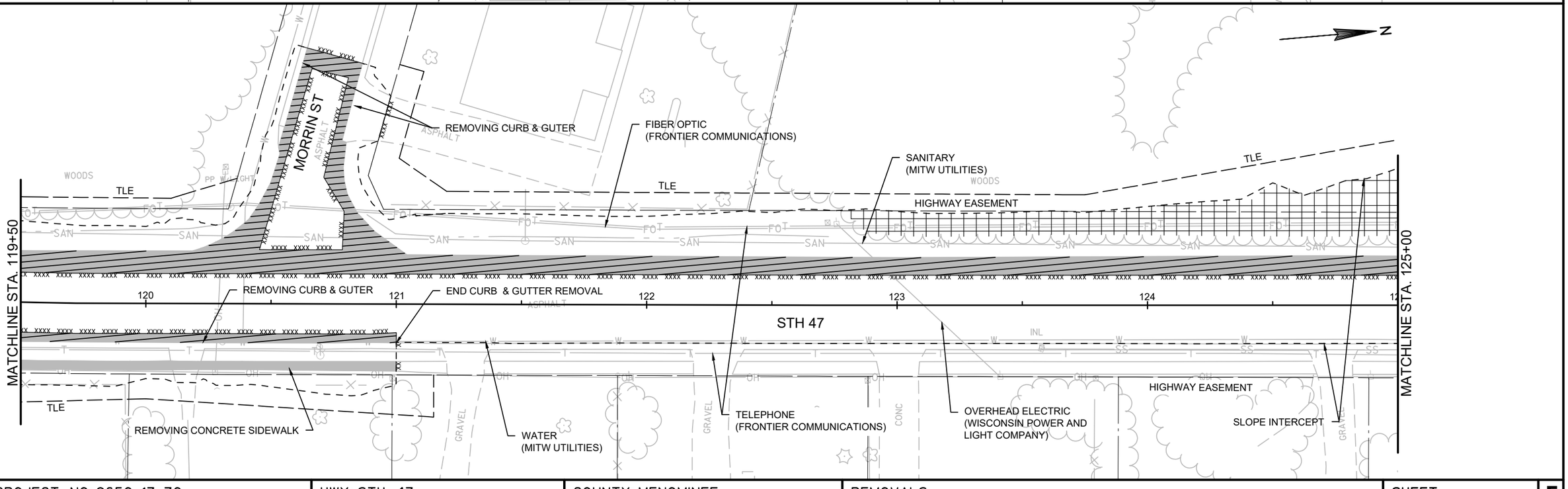




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	REMOVALS	SHEET	E

2





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	REMOVALS	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0210_PD.DWG PLOT DATE : 10/1/2019 3:02 PM PLOT BY : DOLAN, ISAAC PLOT NAME :

2

MATCHLINE STA. 125+00

MATCHLINE STA. 131+00

CLEARING AND GRUBBING (TYP)

FIBER OPTIC (FRONTIER COMMUNICATIONS)

HIGHWAY EASEMENT

SANITARY (MITW UTILITIES)

REMOVING SMALL PIPE CULVERTS

STH 47

REMOVING CURB & GUTTER

HIGHWAY EASEMENT

WATER (MITW UTILITIES)

SLOPE INTERCEPT

OVERHEAD ELECTRIC (WISCONSIN POWER AND LIGHT COMPANY)

REMOVING CONCRETE SIDEWALK

TELEPHONE (FRONTIER COMMUNICATIONS)

REMOVING CONCRETE SIDEWALK

CHIEF CARRON ST

BROOKS LN

REMOVING SMALL PIPE CULVERTS

SANITARY (MITW UTILITIES)

FIBER OPTIC (FRONTIER COMMUNICATIONS)

WETLAND BOUNDARY

SANITARY (MITW UTILITIES)

SLOPE INTERCEPT

HIGHWAY EASEMENT

MATCHLINE STA. 131+00

REMOVING CURB & GUTTER

STH 47

REMOVING INLETS

REMOVING STORM SEWER (12")

REMOVING CURB & GUTTER

REMOVING INLETS

MATCHLINE STA. 137+00

WATER (MITW UTILITIES)

HIGHWAY EASEMENT

OUR CHILDREN'S RD

REMOVING STORM SEWER (15")

SLOPE INTERCEPT

REMOVING STORM SEWER (15")

REMOVING STORM SEWER (15")

REMOVING SMALL PIPE CULVERTS

REMOVING CONCRETE SIDEWALK

OVERHEAD ELECTRIC (WISCONSIN POWER AND LIGHT COMPANY)

WETLAND BOUNDARY

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	REMOVALS	SHEET	E

2

SANITARY
(MITW UTILITIES)

WETLAND BOUNDARY

SLOPE INTERCEPT

REMOVING SMALL PIPE CULVERTS

PLE

TRIBAL OFFICE LOOP RD

FIBER OPTIC
(FRONTIER COMMUNICATIONS)

TLE

HIGHWAY EASEMENT

SANITARY
(MITW UTILITIES)

STH 47

ASPHALT

MATCHLINE STA. 137+00

MATCHLINE STA. 143+00

138

139

140

141

142

WOODS

REMOVING CONCRETE SIDEWALK

WETLAND BOUNDARY

WATER
(MITW UTILITIES)

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

TELEPHONE
(FRONTIER COMMUNICATIONS)

CLEARING AND GRUBBING
(TYP)

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

REMOVING INLET

REMOVING CURB & GUTTER

REMOVING STORM SEWER (18")

FIBER OPTIC
(FRONTIER COMMUNICATIONS)

MATCHLINE STA. 149+00

144

145

146

147

148

SIGN

REMOVING CONCRETE SIDEWALK

TELEPHONE
(FRONTIER COMMUNICATIONS)

END RECONDITION
BEGIN RECONSTRUCTION
STA. 146+00

REMOVING SMALL PIPE CULVERTS

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	REMOVALS	SHEET	E

2

MATCHLINE STA. 149+00

FIBER OPTIC
(FRONTIER COMMUNICATIONS)

SLOPE INTERCEPT

TELEVISION
(CHARTER COMMUNICATIONS)

SANITARY
(MITW UTILITIES)

STA 154+20
REMOVE EXISTING
STRUCTURE C-73-2
6'WX1.5'H SINGLE CELL
REINFORCED CONCRETE
BOX CULVET
50' BARREL LENGTH

WETLAND BOUNDARY

PLE

TLE

HIGHWAY EASEMENT

STH 47

150 151 152 153 154

REMOVING CURB & GUTTER

REMOVING INLETS

MATCHLINE STA. 155+00

HIGHWAY EASEMENT

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

TELEPHONE
(FRONTIER COMMUNICATIONS)

WATER
(MITW UTILITIES)

REMOVING CONCRETE SIDEWALK

FIBER OPTIC
(FRONTIER COMMUNICATIONS)

WETLAND AREA 2

REMOVING STORM
SEWER (18")

C.T.H. VV

HIGHWAY EASEMENT

FAIRGROUNDS RD

END RECONSTRUCTION
BEGIN RECONDITION
STA. 157+63

SANITARY
(MITW UTILITIES)

TELEVISION
(CHARTER COMMUNICATIONS)

SLOPE INTERCEPT

HIGHWAY EASEMENT

TLE

STH 47

156 157 158 159 160

REMOVING CURB & GUTTER

SANITARY
(MITW UTILITIES)

WATER
(MITW UTILITIES)

MATCHLINE STA. 155+00

MATCHLINE STA. 161+00

CLEARING AND GRUBBING
(TYP)

FIBER OPTIC
(FRONTIER COMMUNICATIONS)

TELEPHONE
(FRONTIER COMMUNICATIONS)

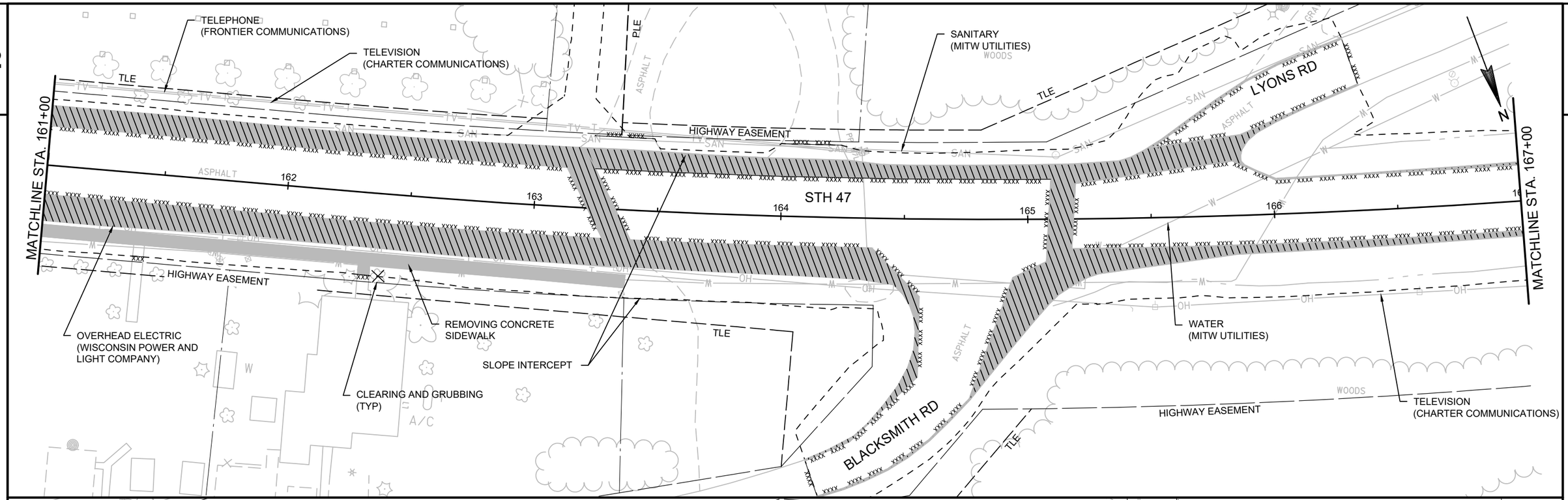
REMOVING CONCRETE SIDEWALK

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

WATER
(MITW UTILITIES)

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	REMOVALS	SHEET	E

2



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	REMOVALS	SHEET	E

2

PLE

SLOPE INTERCEPT

TELEPHONE
(FRONTIER COMMUNICATIONS)

HIGHWAY EASEMENT

REMOVING SMALL PIPE CULVERTS

N

WOODS

MATCHLINE STA. 173+00

174

175

ASPHALT

STH 47

177

178

MATCHLINE STA. 179+00

REMOVING
CURB & GUTTER

GRAVEL

OH

HIGHWAY EASEMENT

TELEVISION
(CHARTER COMMUNICATIONS)

CLEARING AND GRUBBING
(TYP)

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

HIGHWAY EASEMENT

SLOPE INTERCEPT

REMOVING SMALL PIPE CULVERTS

TLE

LYONS RD

SAN

W

ASPHALT

WOODS

HIGHWAY EASEMENT

TELEPHONE
(FRONTIER COMMUNICATIONS)

N

MATCHLINE STA. 179+00

180

181

182

STH 47

183

184

MATCHLINE STA. 185+00

WATER
(MITW UTILITIES)

SANITARY
(MITW UTILITIES)

REMOVING
CURB & GUTTER

18" CCN

SLOPE INTERCEPT

RIPRAP

REMOVING SMALL PIPE CULVERTS

HIGHWAY EASEMENT

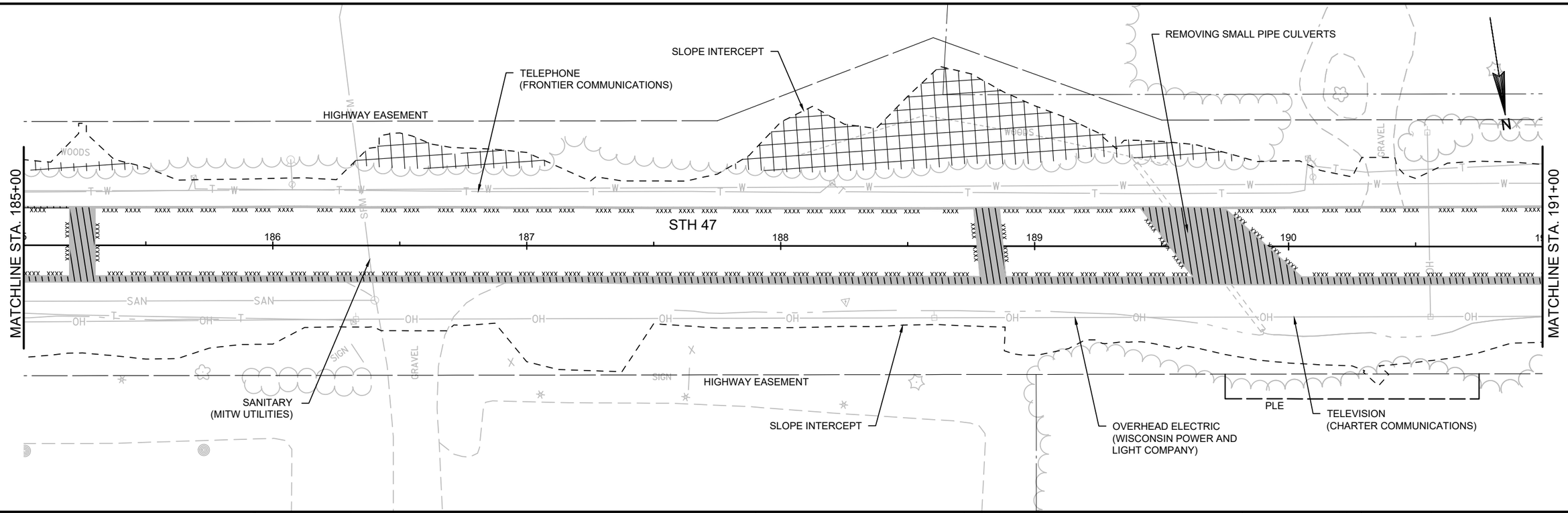
REMOVING SMALL PIPE CULVERTS

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

WOODS

TELEVISION
(CHARTER COMMUNICATIONS)

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	REMOVALS	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	REMOVALS	SHEET	E

2

WOLF RIVER DR

MATCHLINE STA. 197+00

TLE

HIGHWAY EASEMENT

REMOVING SMALL PIPE CULVERTS

REMOVING CURB & GUTTER

REMOVING GUARDRAIL

198 199 200 201 202

STH 47

SLOPE INTERCEPT

REMOVING SURFACE DRAINS

TELEVISION
(CHARTER COMMUNICATIONS)

HIGHWAY EASEMENT

TLE

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

STA 197+95.3
END RECONDITION
BEGIN RESURFACE

MATCHLINE STA. 203+00

N

SIGN

OH

HIGHWAY EASEMENT

REMOVING GUARDRAIL

MATCHLINE STA. 203+00

204 205 206 207

STH 47

SLOPE INTERCEPT

MATCHLINE STA. 208+00

18" CP

HIGHWAY EASEMENT

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	REMOVALS	SHEET	E

2

HIGHWAY EASEMENT

COURTHOUSE LN

REMOVING GUARDRAIL

RIPRAP

REMOVING CONCRETE PAVEMENT

STH 47

MATCHLINE STA. 208+00

209

210

211

212

213

MATCHLINE STA. 214+00

REMOVING CURB & GUTTER

SLOPE INTERCEPT

REMOVING GUARDRAIL

RIPRAP

STH 55

SIGN

OH

FO

36" CP

WOLF RIVER

N

HIGHWAY EASEMENT

RIPRAP

REMOVING GUARDRAIL

MATCHLINE STA. 214+00

INL

REMOVING CONCRETE PAVEMENT

STH 47

215

216

217

218

219

220

INL

REMOVING SURFACE DRAINS

SLOPE INTERCEPT

WOLF RIVER

REMOVING GUARDRAIL

RIPRAP

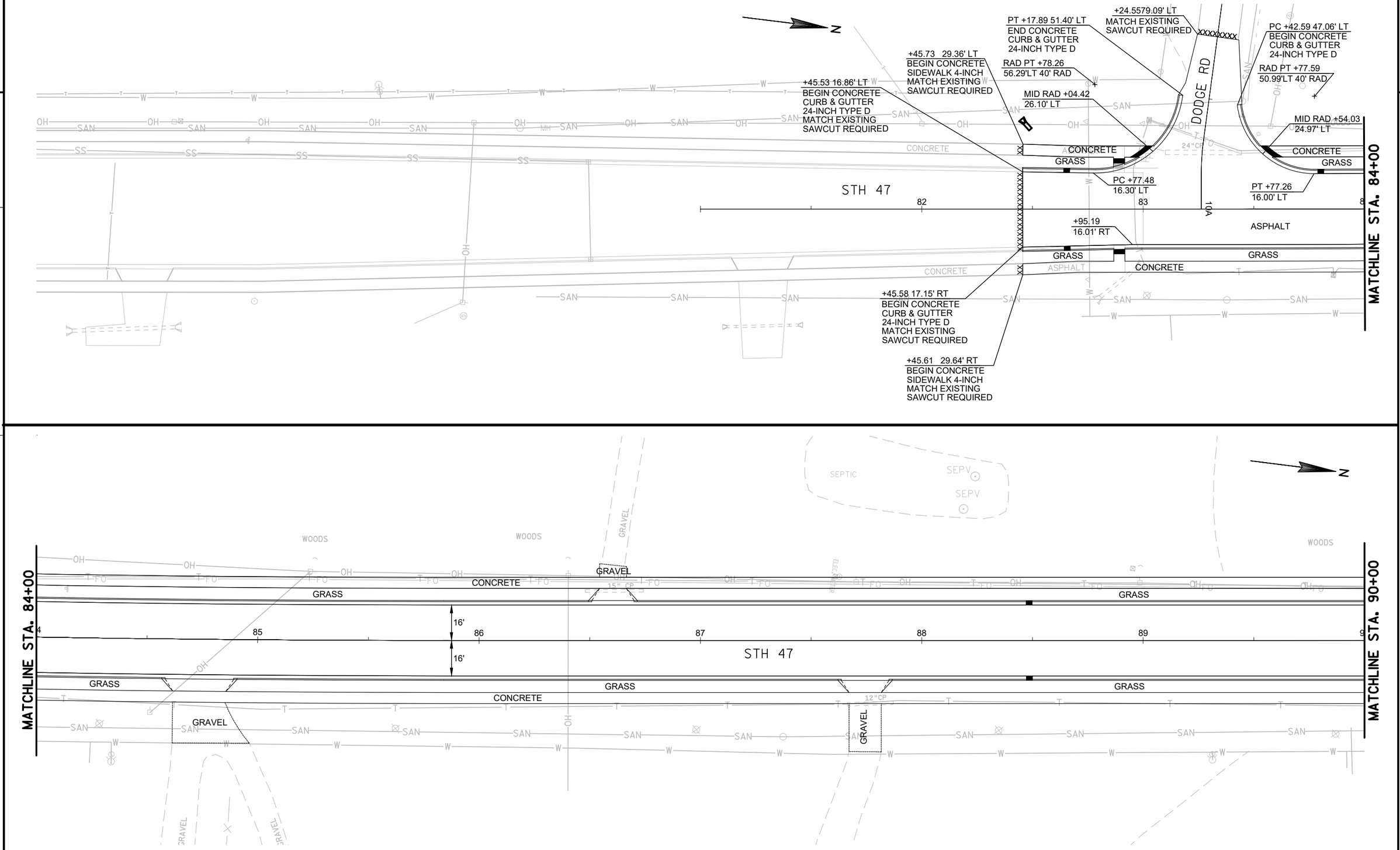
HIGHWAY EASEMENT

WOLF

N

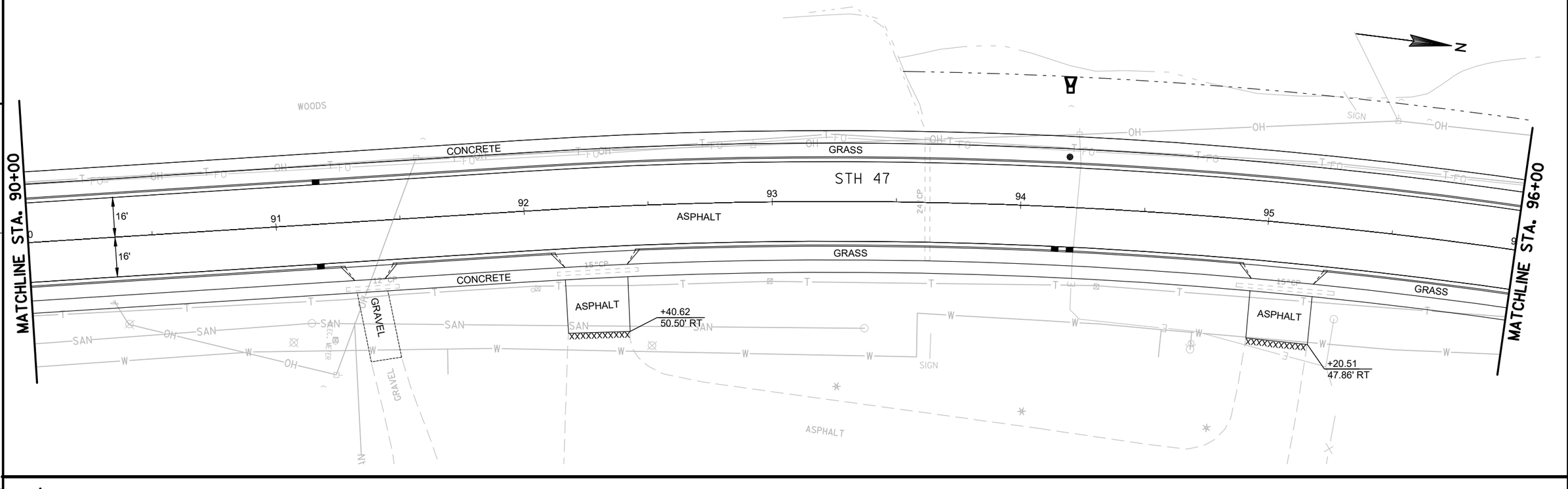
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	REMOVALS	SHEET	E

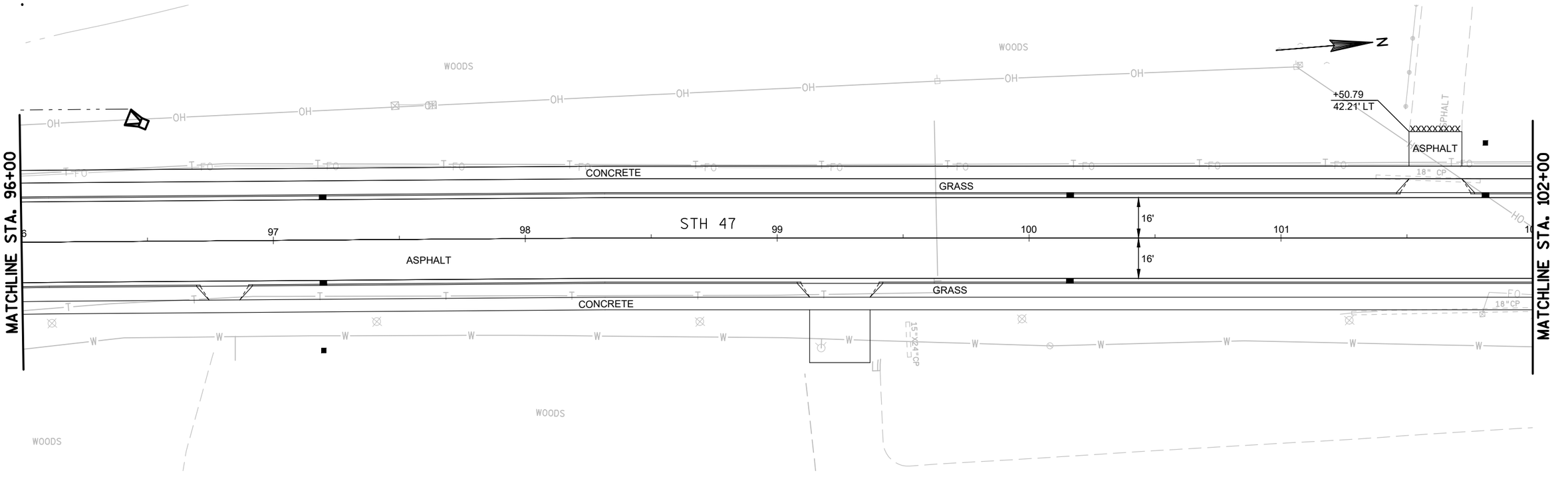
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0210_PD.DWG PLOT DATE : 10/1/2019 3:04 PM PLOT BY : DOLAN, ISAAC PLOT NAME :



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E

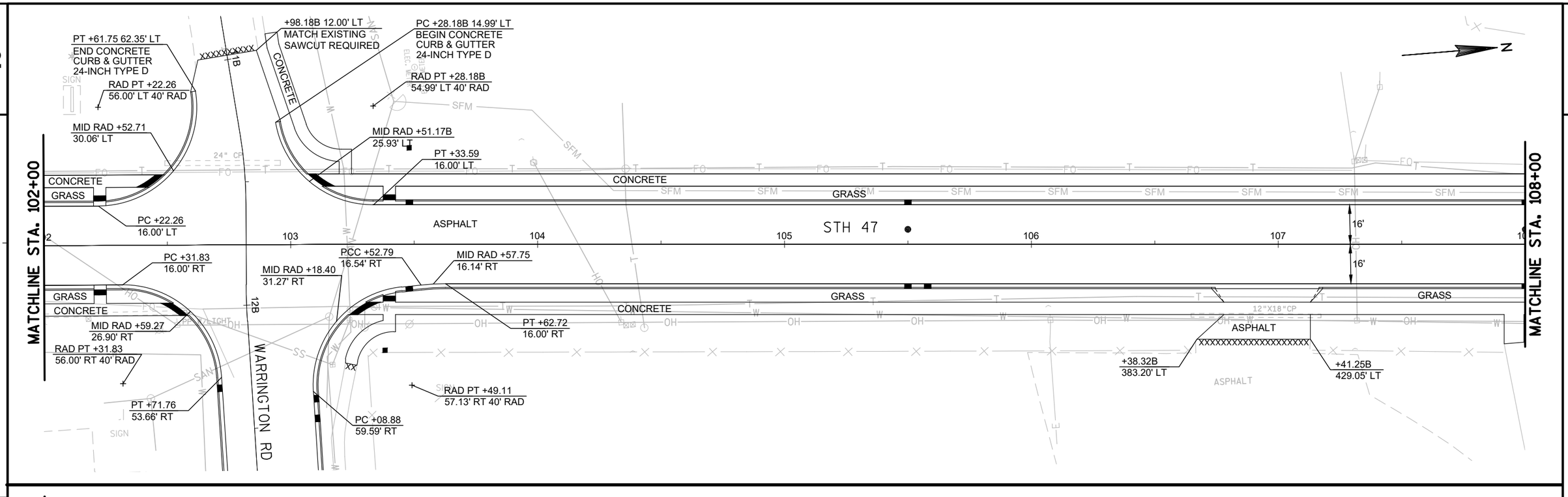
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0211_ID.DWG PLOT DATE : 10/1/2019 2:51 PM PLOT BY : DOLAN, ISAAC PLOT NAME :





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0211_ID.DWG PLOT DATE : 10/1/2019 2:51 PM PLOT BY : DOLAN, ISAAC PLOT NAME :



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0211_ID.DWG PLOT DATE : 10/1/2019 2:52 PM PLOT BY : DOLAN, ISAAC PLOT NAME :

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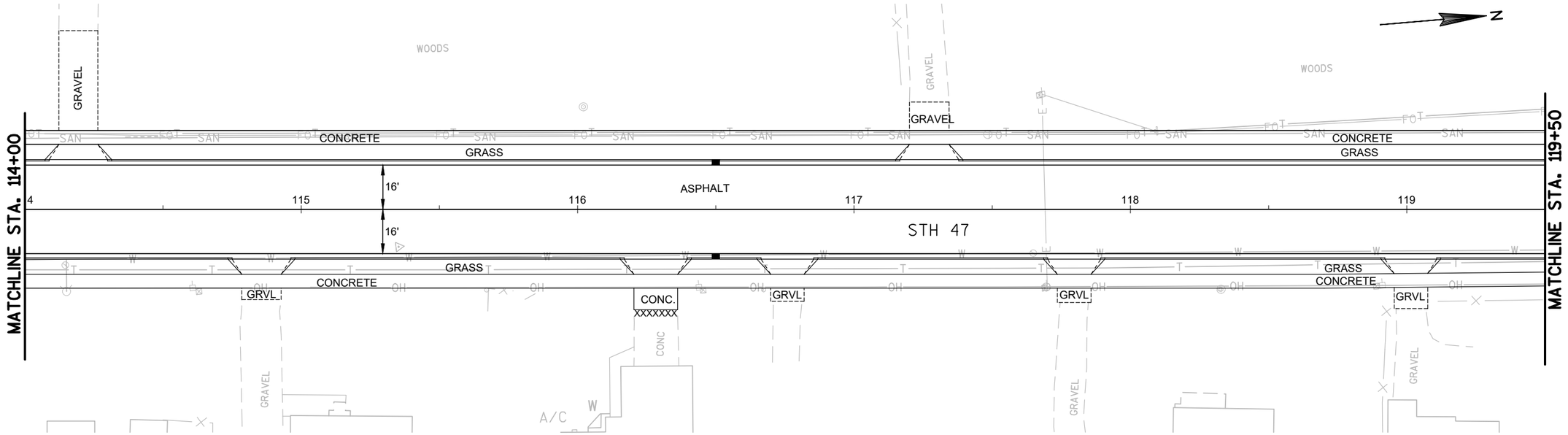
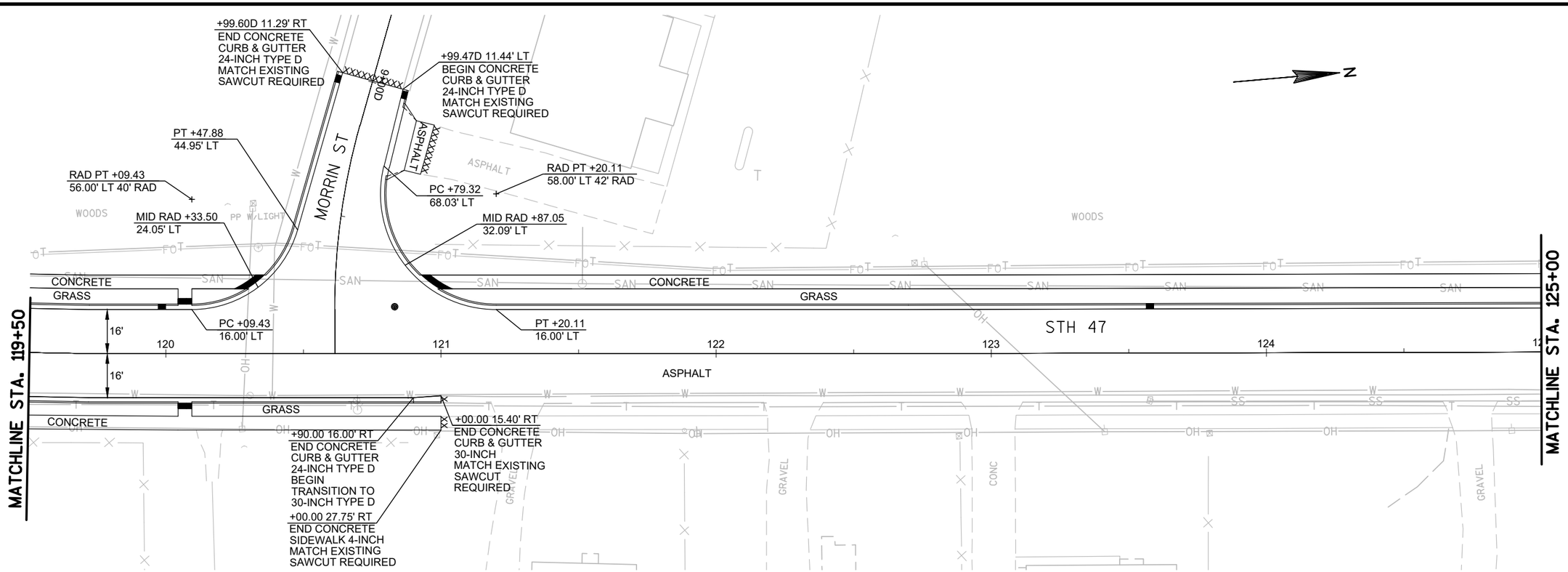




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E

MATCHLINE STA. 125+00

+58.40 15.25' RT
BEGIN CONCRETE
CURB & GUTTER
30-INCH
MATCH EXISTING
SAWCUT REQUIRED

+67.30 15.53' RT
END CONCRETE
CURB & GUTTER
30-INCH
MATCH EXISTING
SAWCUT REQUIRED

CONCRETE

GRVL

GRAVEL

GRAVEL

CHIEF CARRON ST

+37.76 69.55' RT
MATCH EXISTING
SAWCUT REQUIRED

+84.91 19.09' RT
BEGIN CONCRETE
CURB & GUTTER
30-INCH BEGIN
TRANSITION TO
24-INCH TYPE D
MATCH EXISTING
SAWCUT REQUIRED

+94.78 18.54' RT
BEGIN CONCRETE
CURB & GUTTER
24-INCH TYPE D

PC +22.15
16.00' RT

16'

16'

STH 47

GRASS

CONCRETE

ASPHALT

ASPHALT

+74.77
39.49' RT

PRC +47.80
16.00' RT

RAD PT +47.80
61.00' RT 45' RAD

PT +90.97 61.75' RT
END CONCRETE
CURB & GUTTER
24-INCH TYPE D

MID RAD +79.02
29.55' RT

GRAVEL

+43.47
33.21' LT

XXXXXXX
ASPHALT

MID RAD +29.37
28.52' RT

MID RAD +32.54
39.29' RT

PRC +60.76
16.00' RT

GRASS

PT +42.10
35.64' RT

RAD PT +41.92
50.65' RT 15' RAD BOW

RAD PT +59.30
61.00' RT 45' RAD

PC +27.23 50.53' RT
BEGIN CONCRETE
SIDEWALK 4-INCH
MATCH EXISTING
SAWCUT REQUIRED

PC +15.94 58.82' RT
BEGIN CONCRETE
CURB & GUTTER
24-INCH TYPE D

+09.02 98.39' RT
MATH EXISTING
SAWCUT REQUIRED

MATCHLINE STA. 131+00

2

+19.25G 11.00' RT
END CONCRETE
CURB & GUTTER
24-INCH TYPE D
MATCH EXISTING
SAWCUT
REQUIRED

PT +84.54
69.03' LT

RAD PT +44.20
56.00' LT 40' RAD

MID RAD +78.13
32.58' LT

CONCRETE

GRASS

PC+44.28
16.00' LT

MATCHLINE STA. 131+00

PRC +60.74
16.00' RT

GRASS

CONCRETE

RAD PT +55.68 59.37' RT
43.7' RAD

PT +96.01
68.09' RT

MID RAD +68.06G
12.62' LT

PC +82.07G 13.00' LT
BEGIN CONCRETE
CURB & GUTTER
24-INCH TYPE D
MATCH EXISTING
SAWCUT REQUIRED

OUR CHILDREN'S RD

MID RAD +87.75
31.36' RT

PRC +23.64
54.62' RT

PC +33.92 50.14' RT
BEGIN CONCRETE
SIDEWALK 4-INCH
MATCH EXISTING
SAWCUT REQUIRED

BROOKS LN

+19.27G 11.18' LT
BEGIN CONCRETE
CURB & GUTTER
24-INCH TYPE D
MATCH EXISTING
SAWCUT REQUIRED

RAD PT +76.60 76.00' LT
60' RAD

PC +15.83
56.46' LT

MID RAD +40.02
27.04' LT

PT +76.60
16.00' LT

MID RAD +37.40
27.10' RT

PT +65.76
15.99' RT

PT +56.90
35.55' RT

MID RAD +43.08
38.92' RT

PC +34.22
48.58' RT

RAD PT +65.76 60.99' RT
45' RAD

RAD PT +55.05 60.53' RT
25' RAD BOW

CONCRETE

GRASS

16'

16'

STH 47

GRASS

CONCRETE

WOODS

WOODS

WOODS

+17.29
28.50' LT

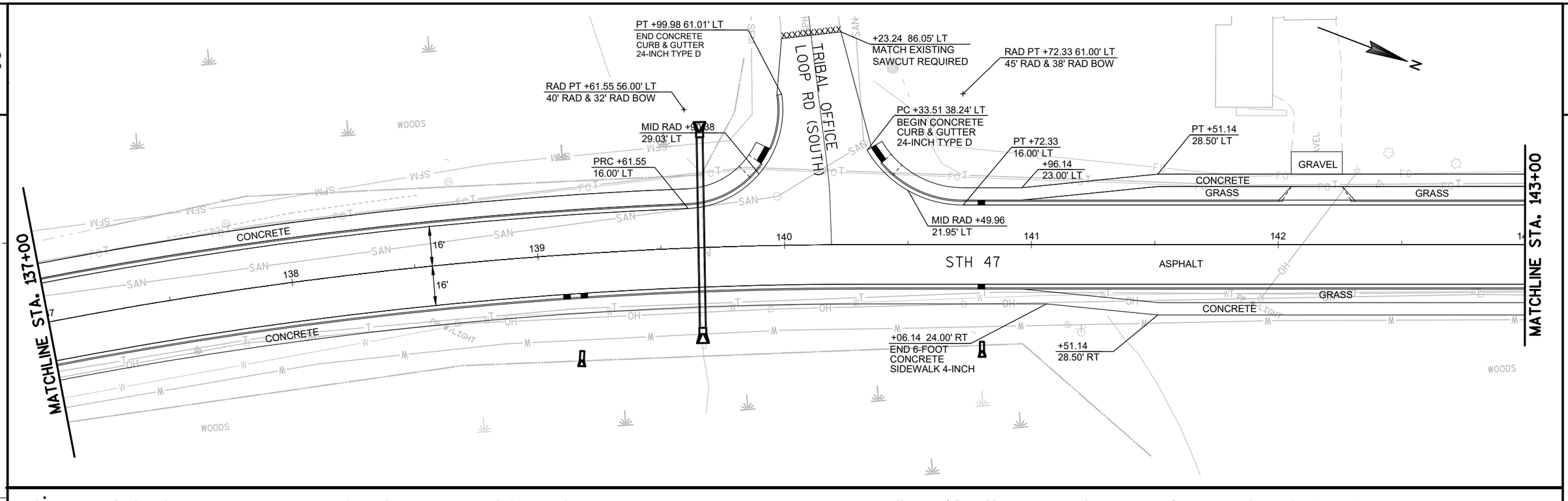
+61.73 24.00' LT
BEGIN 6-FOOT
CONCRETE
SIDEWALK 4-INCH

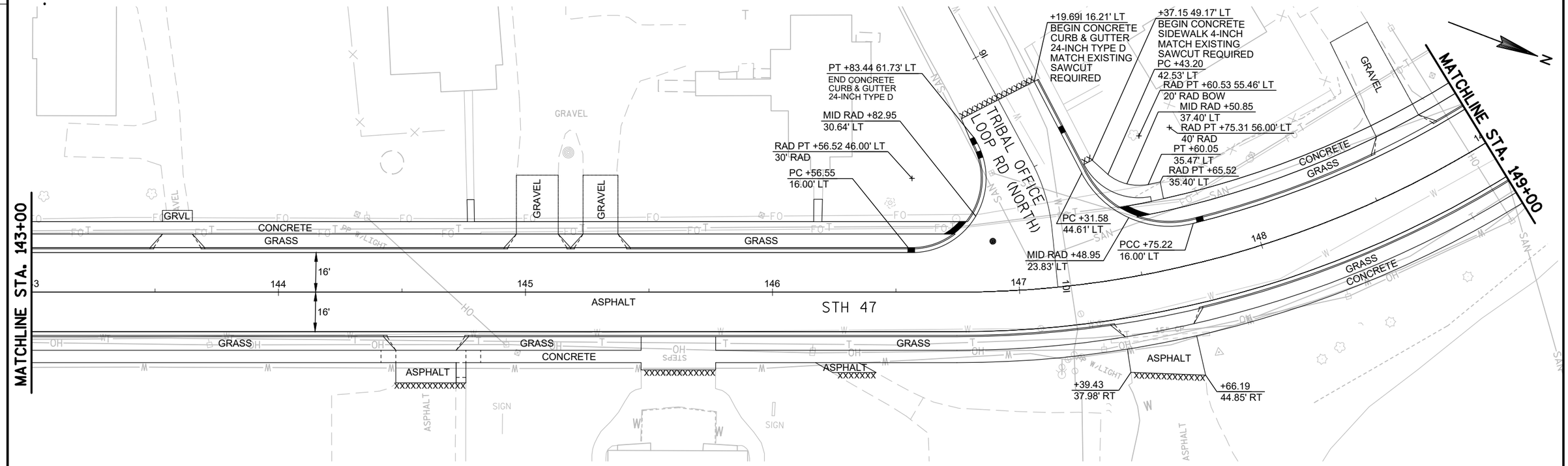
+17.27
28.50' RT

+62.77 24.00' RT
BEGIN 6-FOOT
CONCRETE
SIDEWALK 4-INCH

MATCHLINE STA. 137+00

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E

2

MATCHLINE STA. 149+00

+54.03
34.88' LT

XXXXX
CONC

XXXXX
CONC

+00.36
38.20' LT

GRAVEL

GRASS

CONCRETE

GRASS

+40.09 24.02' LT
BEGIN 6-FOOT
CONCRETE SIDEWALK
4-INCH

+95.25
28.50' LT

+36.58
33.50' LT

ASPHALT

+00.38
33.50' LT

+48.62 24.00' LT
END 6-FOOT
CONCRETE SIDEWALK
4-INCH

+93.63
28.50' LT

CONCRETE

GRASS

16'

16'

150 151 152 153 154

ASPHALT

STH 47

MATCHLINE STA. 155+00

GRASS

CONCRETE

GRASS

GRASS

ASPHALT

+07.04
41.21' RT

GRAVEL

PC +74.97
16.00' RT

MID RAD +78.07
27.34' RT

PC +63.24 55.80' RT
BEGIN CONCRETE
CURB & GUTTER
24-INCH TYPE D

MID RAD +17.22
36.07' RT

RAD PT +74.97 70.50' RT
54.5' RAD

RAD PT +07.94 61.00' RT
45' RAD

PT +27.90 83.68' RT
END CONCRETE
CURB & GUTTER
24-INCH TYPE D

CTH VV

+90.86K 13.20' RT
END CONCRETE CURB
& GUTTER 24-INCH
TYPE D, MATCH
EXISTING SAWCUT
REQUIRED

PT +71.91
57.38' LT

+58.20 49.97' LT
END CONCRETE
SIDEWALK 4-INCH
MATCH EXISTING
SAWCUT REQUIRED

RAD PT +22.66 66.00' LT
50' RAD

PT +56.66
46.91' LT

MID RAD +47.49
38.40' LT

PC +35.35
35.40' LT

+33.95
35.40' LT

GRAVEL

CONCRETE

GRASS

PC +22.66
16.00' LT

MID RAD +54.86
27.75' LT

FAIRGROUNDS RD

+90.81K 14.15' LT
BEGIN CONCRETE
CURB & GUTTER
24-INCH TYPE D
MATCH EXISTING
SAWCUT REQUIRED

PC +04.46
87.40' LT

RAD PT +63.37 76.00' LT
60' RAD

STATUE

MID RAD +17.09
37.83' LT

+43.55 28.39' LT
END CONCRETE
SIDEWALK 4-INCH

+69.37 16.00' LT
END CONCRETE
CURB & GUTTER
24-INCH TYPE D

PT +63.37
16.00' LT

MATCHLINE STA. 155+00

MATCHLINE STA. 161+00

155 156 157 158 159 160

16'

16'

17'

16'

ASPHALT

STH 47

GRASS

CONCRETE

PT +07.94
16.00' RT

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E

2

MATCHLINE STA. 161+00

17'
16'

1 162 163 164 165 166

STH 47

GRASS
CONCRETE

+47.61
29.37' LT

+23.81
29.37' LT

RAD PT +05.31
87.00' LT 70' RAD

PT +50.61 32.87' LT

PC +00.90
31.26' LT

MID RAD +98.47
25.75' LT

PC +04.56
17.00' LT

MID RAD +28.95
20.96' LT

LYONS RD

RAD PT +03.37
26.90' LT 5' RAD

+05.73M 10.29' LT
MATCH EXISTING
SAWCUT REQUIRED

PT +03.13
21.91' LT

ASPHALT

MATCHLINE STA. 167+00

PRC +19.10
16.00' RT

PT +27.93
16.00' RT

MID RAD +47.06
35.61' RT

RAD PT +18.48
47.20' RT 31.2' RAD

PT +40.16 69.23' RT
END CONCRETE
CURB & GUTTER
24-INCH TYPE D

+30.37L 8.34' RT
MATCH EXISTING
SAWCUT REQUIRED

BLACKSMITH RD

MID RAD +03.78
24.53' RT

RAD PT +28.15
56.03' RT 40' RAD

PC +91.91 46.68' RT
BEGIN CONCRETE
CURB & GUTTER
24-INCH TYPE D

WOODS

A/C

N

2

MATCHLINE STA. 167+00

17'
16'

7 168 169 170 171 172 173

STH 47

GRASS
CONCRETE

+56.70
28.50' RT

+92.36 24.04' RT
BEGIN 6-FOOT
CONCRETE
SIDEWALK 4-INCH

+76.31 24.04' RT
END 6-FOOT
CONCRETE
SIDEWALK 4-INCH

PC +96.24
16.00' RT

+11.97
28.50' RT
MID RAD +31.00
32.42' RT

RAD PT +96.24
61.00' RT 45' RAD

PT +40.24 70.46' RT
END CONCRETE
CURB & GUTTER
24-INCH TYPE D

+20.08N 10.33' RT
MATCH EXISTING
SAWCUT REQUIRED

RABBIT RIDGE RD

PT +14.47
16.00' RT

MID RAD +85.90
26.24' RT

RAD PT +14.47
61.00' RT 45' RAD

PT +70.15 53.20' RT
BEGIN CONCRETE
CURB & GUTTER
24-INCH TYPE D

WOODS

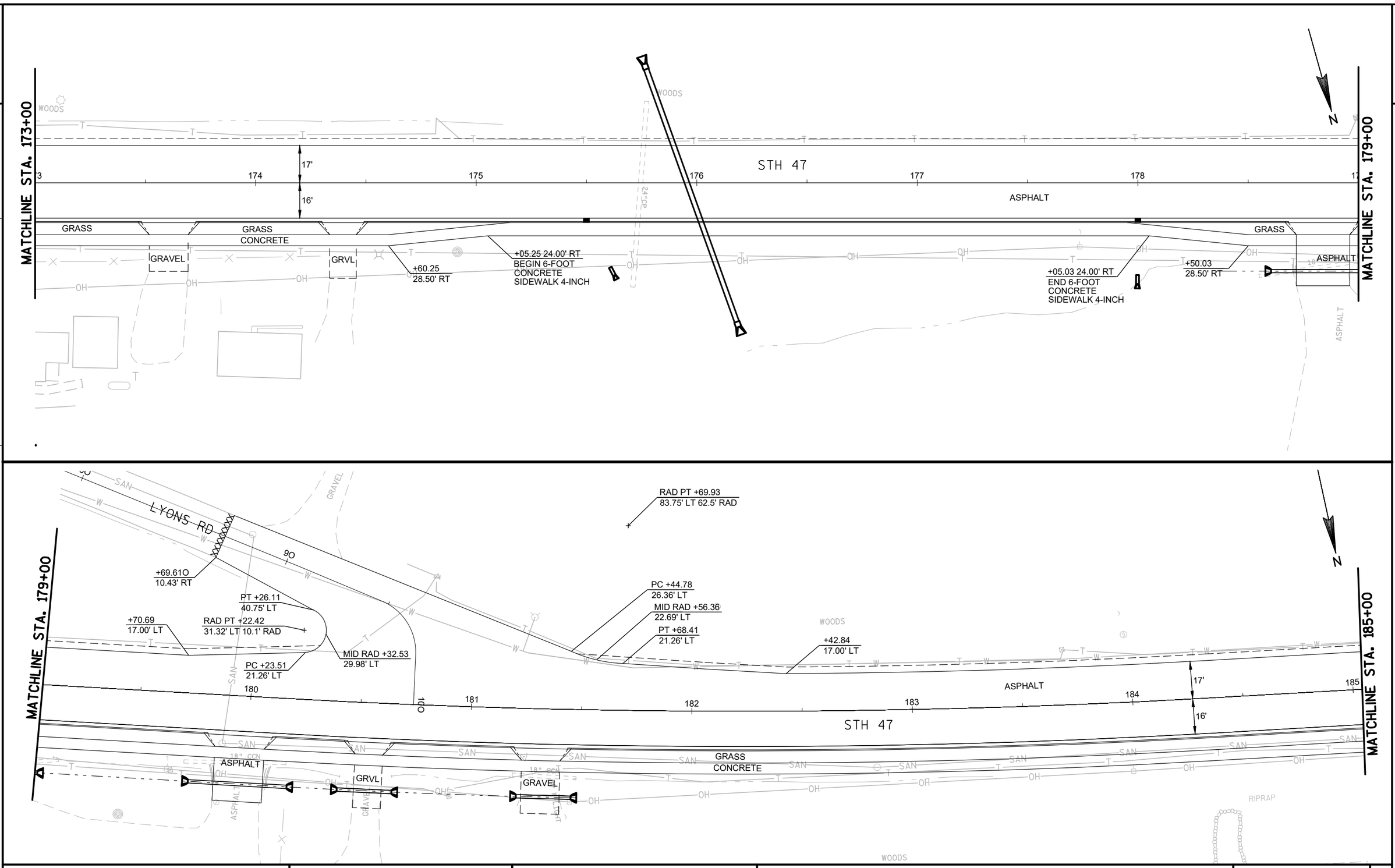
GRAVEL

SIGN

ANT

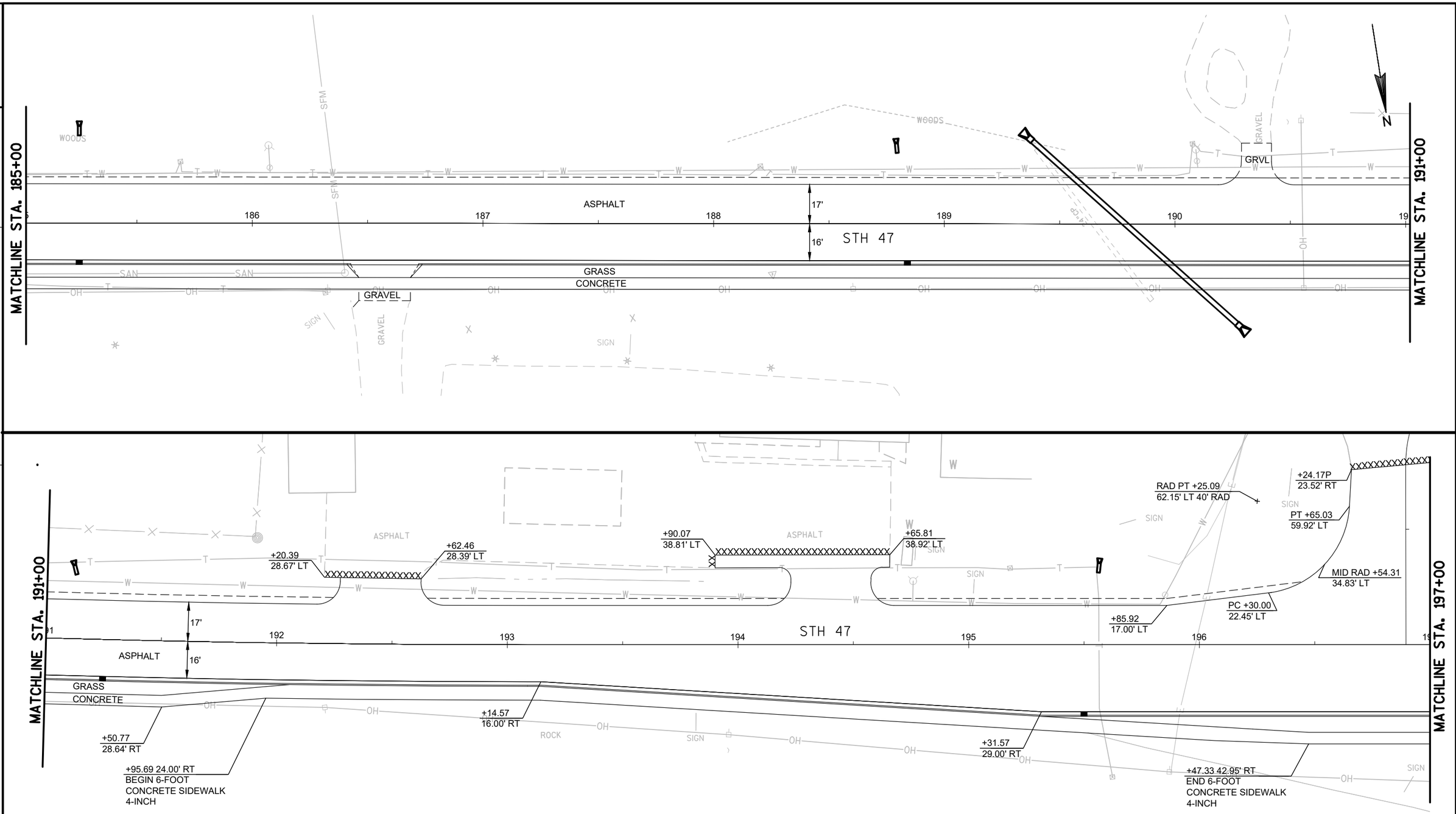
N

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E

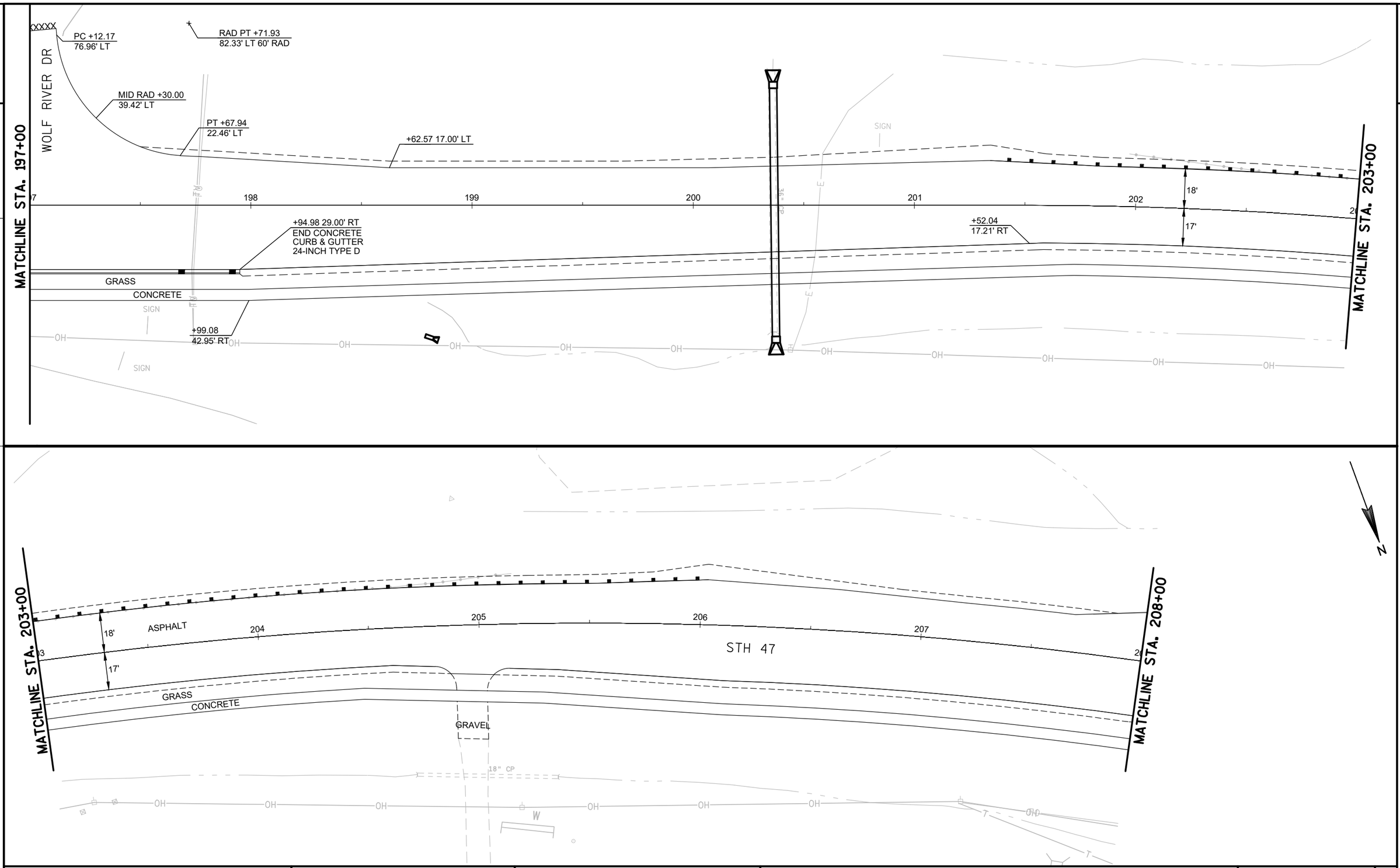
2



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E

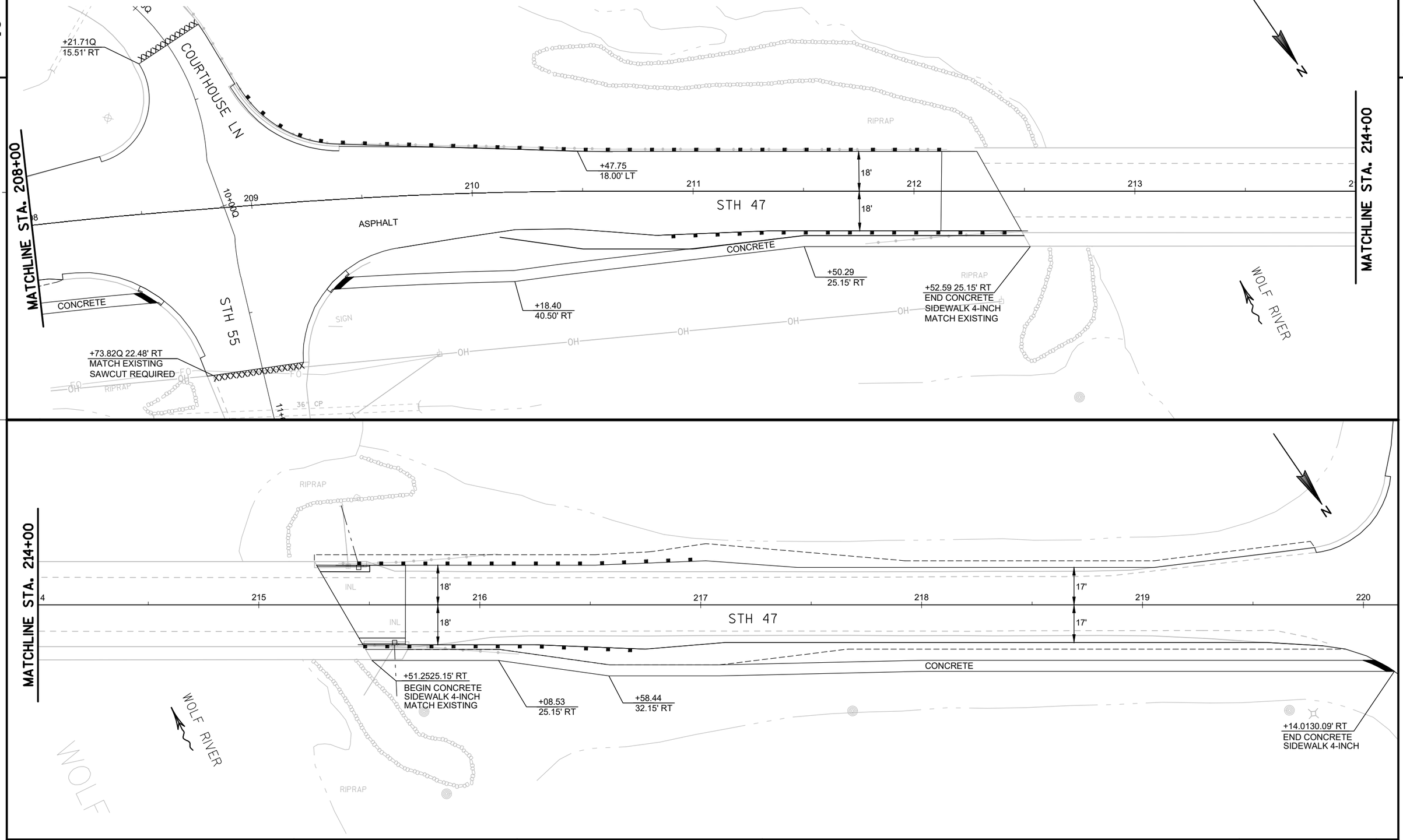
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0211_ID.DWG PLOT DATE : 10/1/2019 2:55 PM PLOT BY : DOLAN, ISAAC PLOT NAME :

2

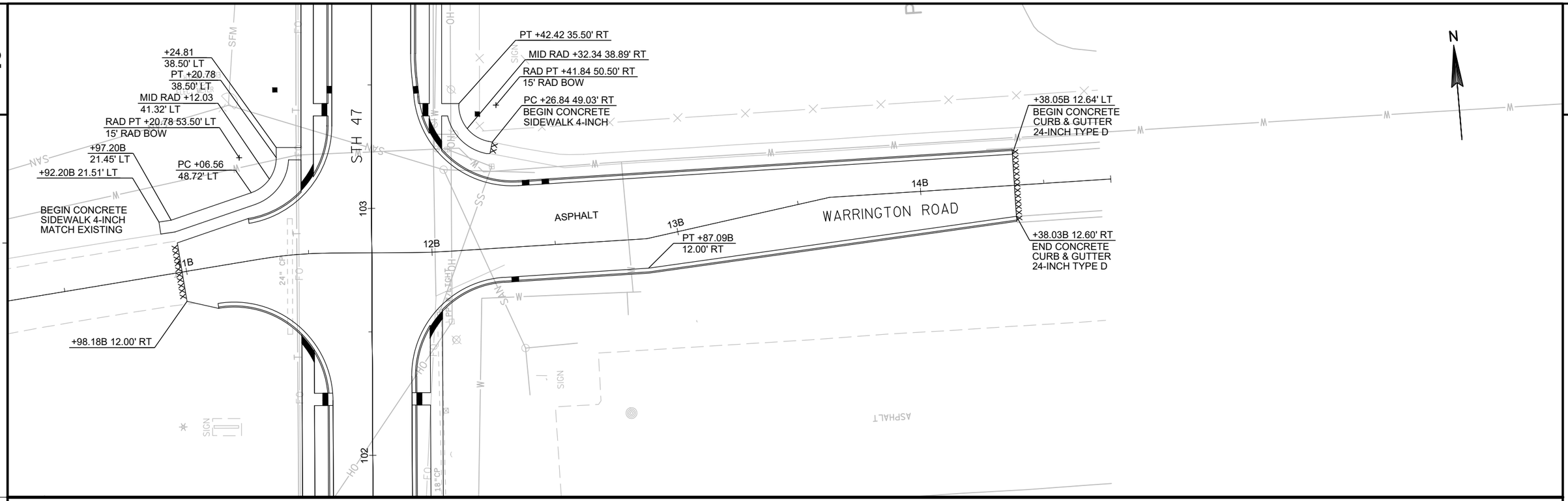


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E

2



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E



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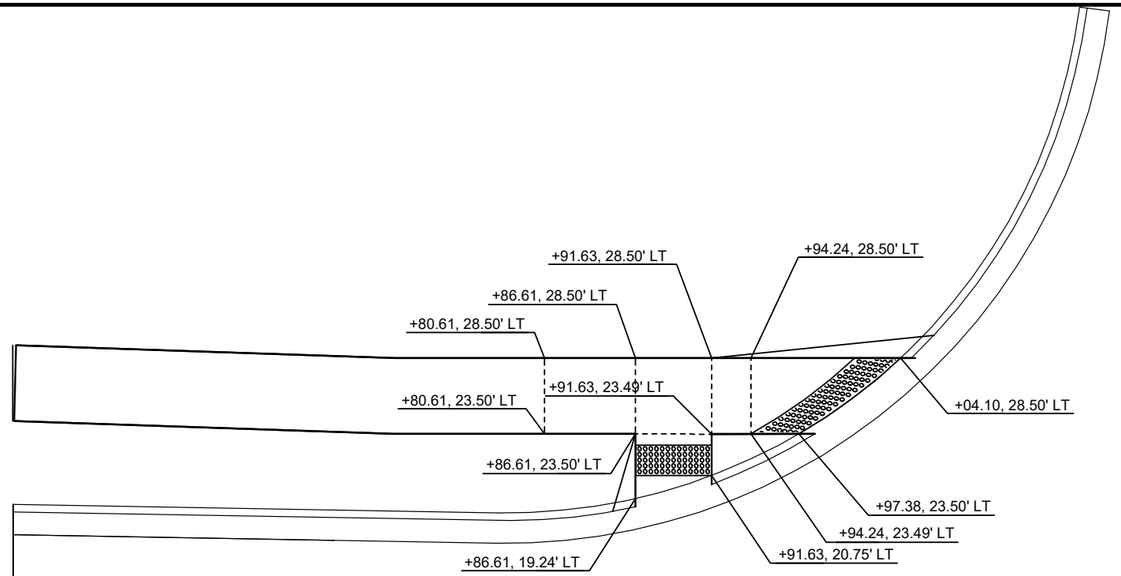
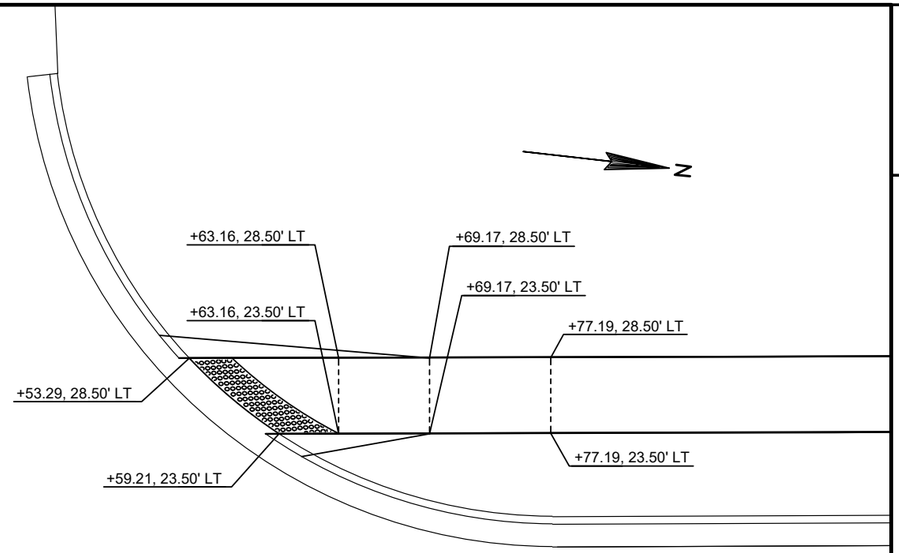
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LAYOUT	SHEET	E

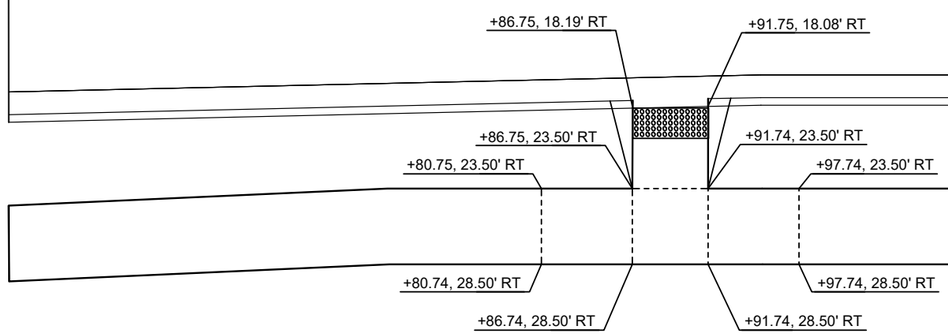
2



DODGE RD



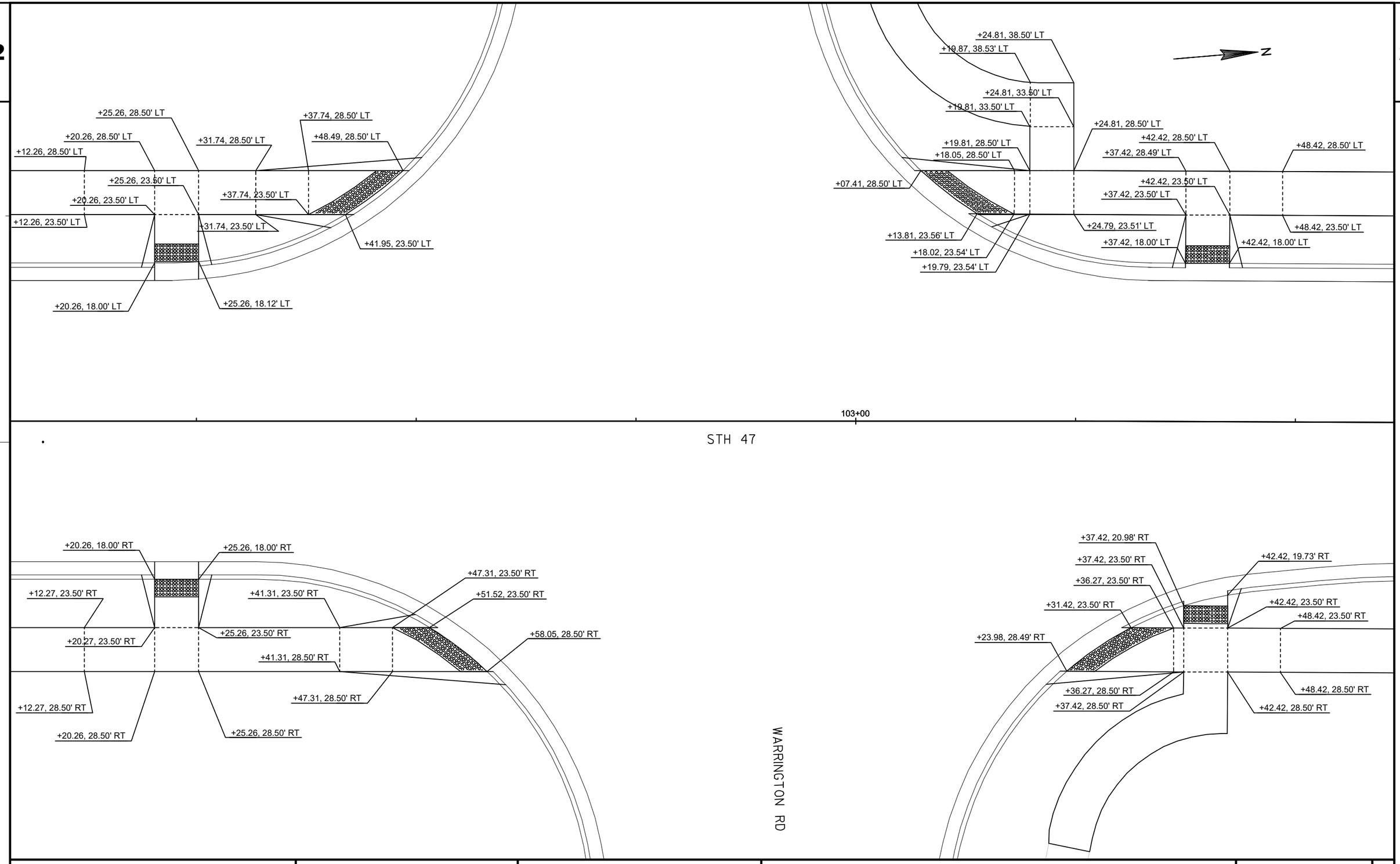
STH 47



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0211_ID_CR.DWG PLOT DATE : 10/2/2019 3:13 PM PLOT BY : DOLAN, ISAAC PLOT NAME :

2



2

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

2

2

STH 47

112+00

113+00

+83.91, 23.50' RT

+79.70, 23.50' RT

+73.70, 23.50' RT

+90.44, 28.50' RT

+73.70, 28.50' RT

+79.70, 28.50' RT

+69.47, 23.50' RT

+51.39, 28.50' RT

+75.47, 23.50' RT

+75.47, 28.50' RT

+69.47, 28.50' RT

CHIEF LITTLE WAVE RD

N

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

2

2

N

MORRIN ST

+04.43, 28.50' LT
+09.43, 28.50' LT
+18.11, 28.50' LT
+24.92, 28.50' LT
+98.43, 28.50' LT
+98.43, 23.50' LT
+04.43, 23.50' LT
+18.11, 23.50' LT
+35.66, 28.50' LT
+09.43, 23.50' LT
+29.13, 23.50' LT
+24.92, 23.50' LT
+09.43, 18.00' LT
+04.43, 18.00' LT

+93.10, 28.50' LT
+04.18, 28.50' LT
+10.18, 28.50' LT
+10.18, 23.50' LT
+99.87, 23.50' LT
+04.18, 23.50' LT

STH 47

120+00

121+00

+04.43, 18.00' RT
+09.43, 18.00' RT
+98.43, 22.73' RT
+09.43, 22.75' RT
+98.41, 27.73' RT
+04.43, 22.75' RT
+15.43, 22.75' RT
+15.43, 27.75' RT
+04.41, 27.75' RT
+09.43, 27.75' RT

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0211_ID_CR.DWG PLOT DATE : 10/2/2019 3:14 PM PLOT BY : DOLAN, ISAAC PLOT NAME :

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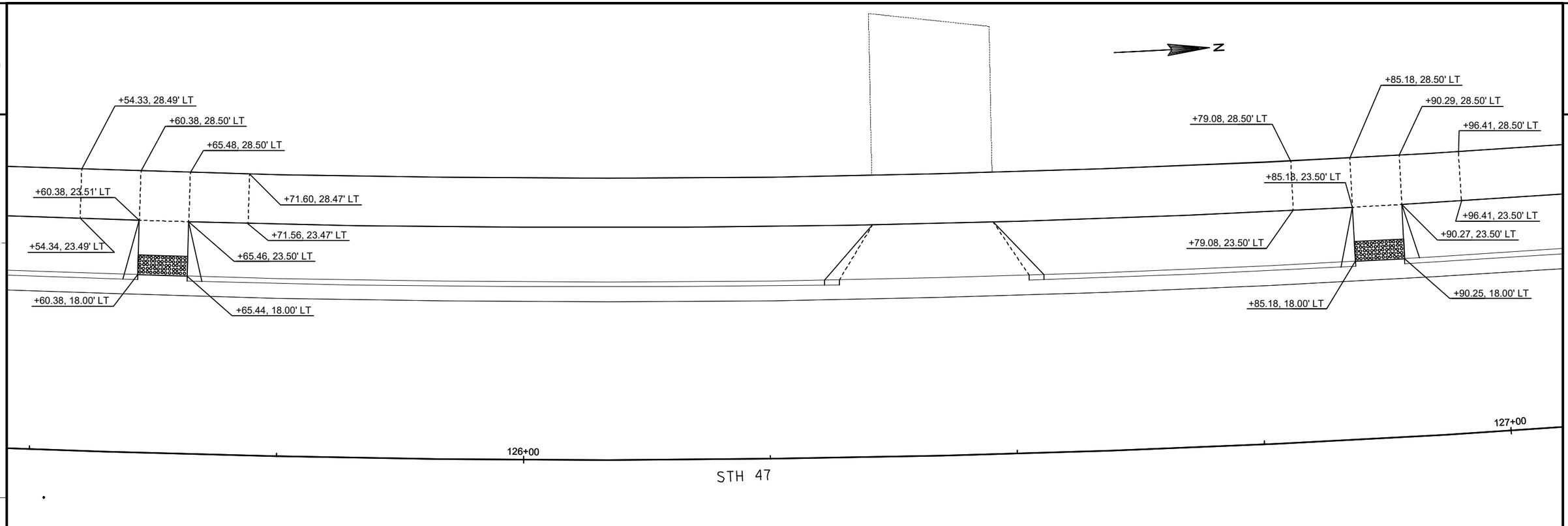
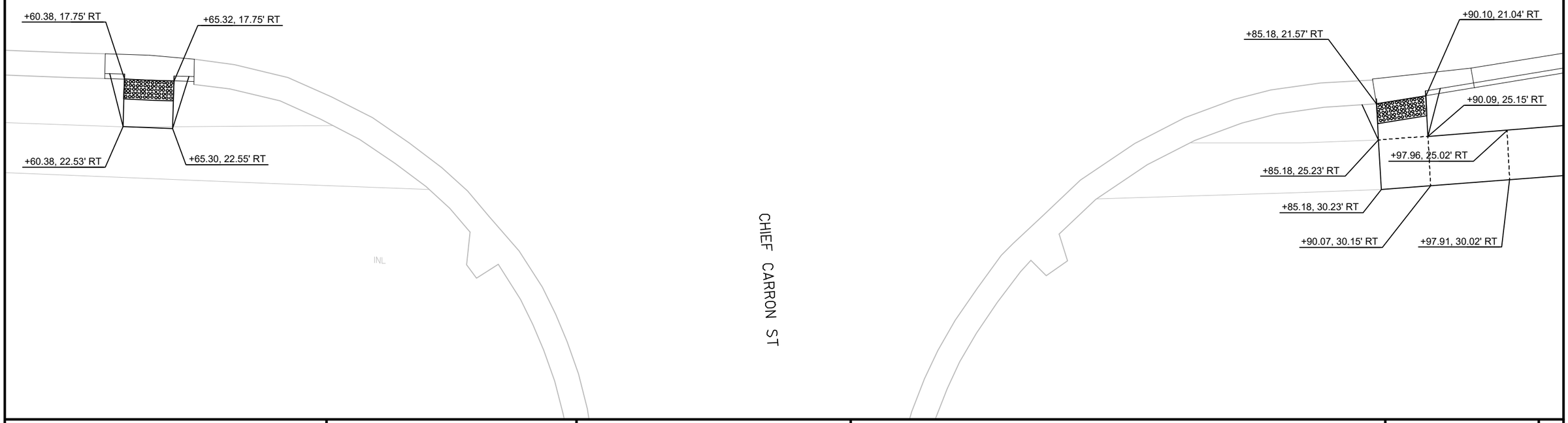
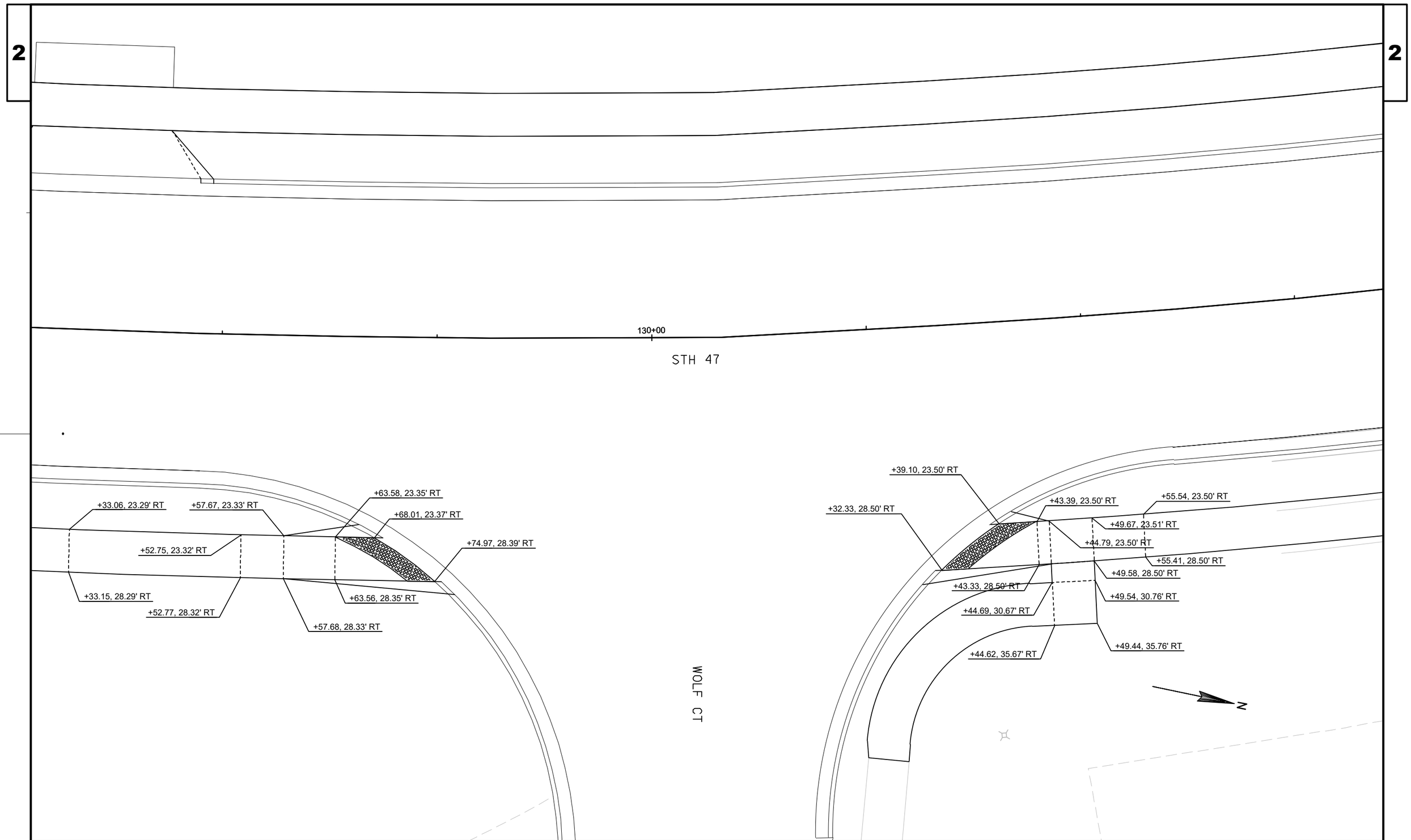
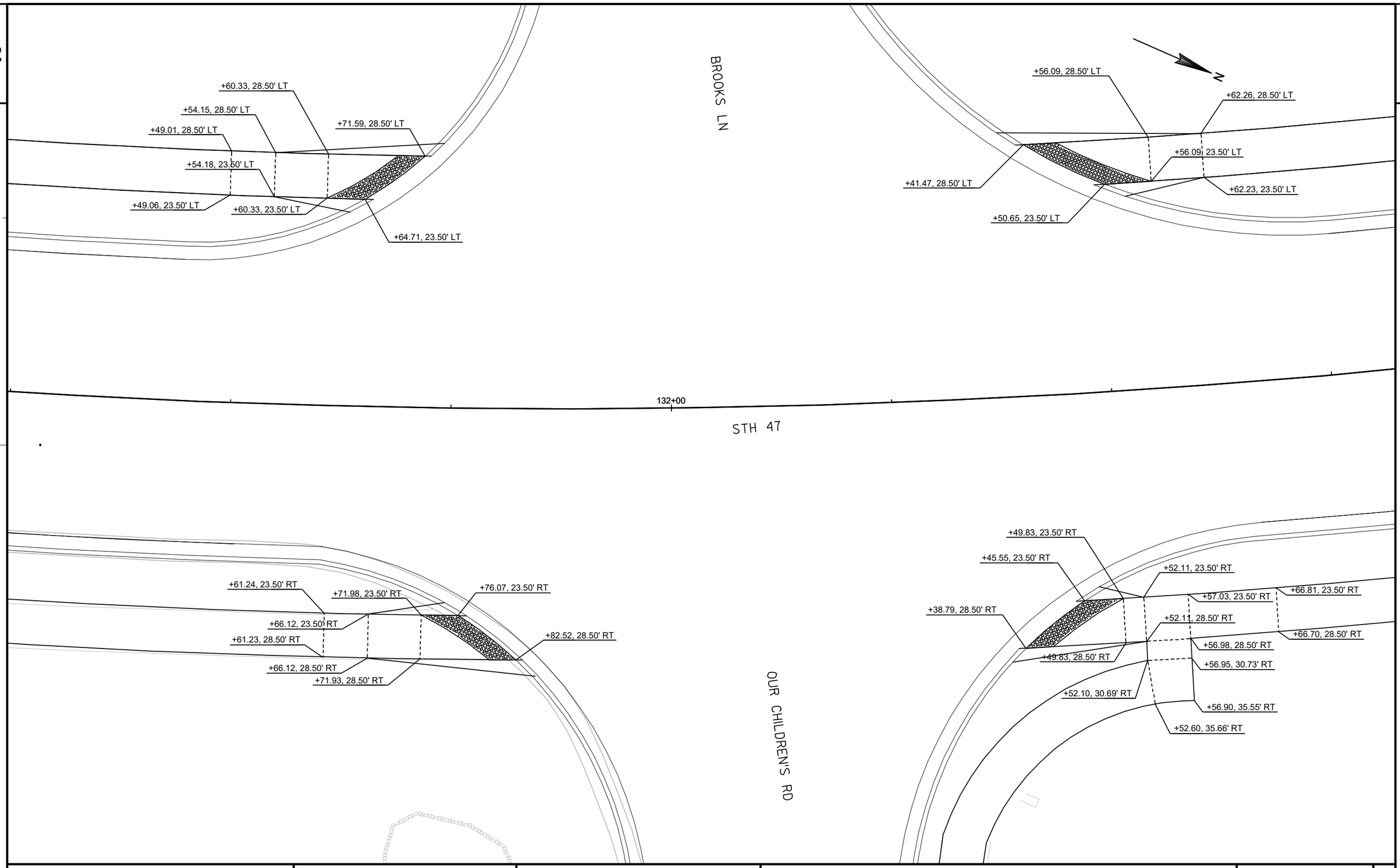




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

2

2

N

+89.48, 41.87' LT

+86.53, 36.86' LT

+82.59, 32.37' LT

+94.76, 39.27' LT

+91.28, 33.32' LT

+86.60, 27.97' LT

TRIBAL OFFICE LOOP RD
(SOUTH)

+39.55, 41.78' LT

+35.24, 39.25' LT

+43.28, 36.51' LT

+47.51, 32.23' LT

+39.45, 33.29' LT

+44.24, 28.44' LT

140+00

STH 47

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

2

2

TRIBAL OFFICE LOOP RD
(NORTH)

N

+69.55, 28.50' LT
+63.55, 28.50' LT
+63.55, 23.50' LT
+69.55, 23.50' LT
+78.65, 28.48' LT
+73.18, 23.50' LT

+60.05, 35.47' LT
+65.52, 35.40' LT
+59.96, 30.47' LT
+65.31, 28.50' LT
+59.93, 28.50' LT
+58.15, 28.50' LT
+65.31, 23.50' LT
+46.05, 28.50' LT
+59.93, 23.50' LT
+53.48, 23.50' LT
+58.15, 23.50' LT

147+00

STH 47

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

2

2

154+00

155+00

STH 47

+98.36, 23.50' RT

+93.44, 23.50' RT

+87.44, 23.50' RT

+87.44, 28.50' RT

+93.44, 28.50' RT

+06.47, 28.50' RT

+91.21, 23.50' RT

+86.90, 23.50' RT

+92.90, 23.50' RT

+97.90, 23.50' RT

+79.78, 28.50' RT

+92.90, 28.50' RT

+03.90, 23.50' RT

+92.90, 30.50' RT

+03.90, 28.50' RT

+97.90, 28.50' RT

+89.70, 30.50' RT

+97.90, 30.50' RT

+82.63, 32.17' RT

+97.90, 35.50' RT

+92.90, 35.50' RT

+89.70, 35.50' RT

+85.20, 36.57' RT

CTH VV (SOUTH)

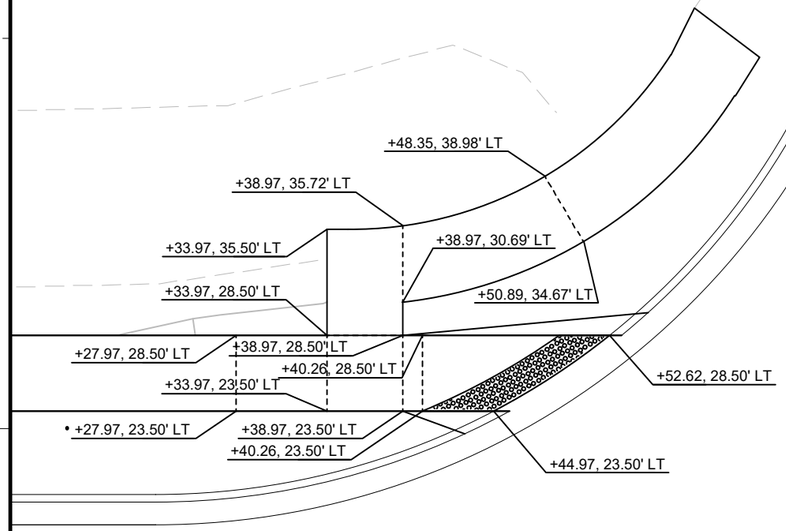
N

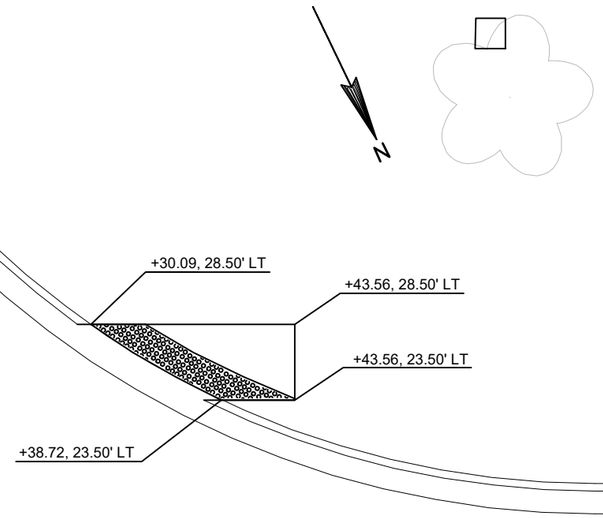
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

2

2

FAIRGROUNDS RD





157+00

STH 47

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

2

2

LYONS RD

164+00

165+00

STH 47

+35.35, 23.53' RT

+31.69, 23.50' RT

+40.64, 28.53' RT

+25.73, 23.51' RT

+25.74, 28.51' RT

+31.69, 28.50' RT

+12.86, 23.50' RT

+08.70, 23.51' RT

+18.82, 23.51' RT

+02.28, 28.50' RT

+18.81, 28.51' RT

+12.86, 28.50' RT

BLACKSMITH RD

N

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

2

2

171+00

172+00

STH 47

+12.81, 23.50' RT

+06.81, 22.82' RT

+17.28, 23.50' RT

+24.39, 28.50' RT

+06.19, 27.78' RT

+12.81, 28.50' RT

+93.43, 23.50' RT

+97.90, 23.50' RT

+86.32, 28.50' RT

+03.90, 23.50' RT

+03.90, 28.50' RT

+97.90, 28.50' RT

RABBIT RIDGE RD

N

W

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

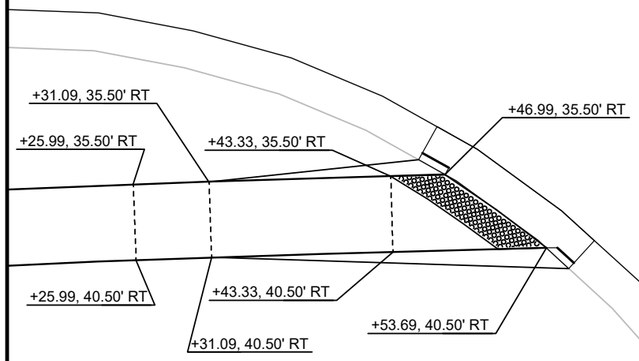
2

2

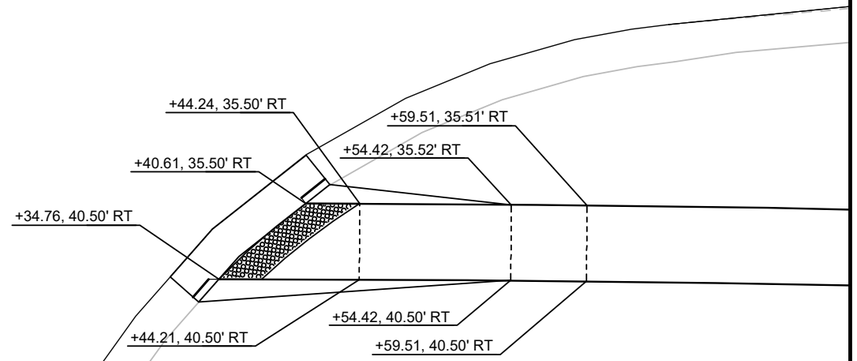
COURTHOUSE LN
(NORTH)

209+00

STH 47



STH 55



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

2

2

N

CTH VV

STH 47

220+00

221+00

+92.06, 25.09' RT

+87.06, 25.09' RT

+99.87, 25.09' RT

+05.34, 25.09' RT

+87.06, 30.09' RT

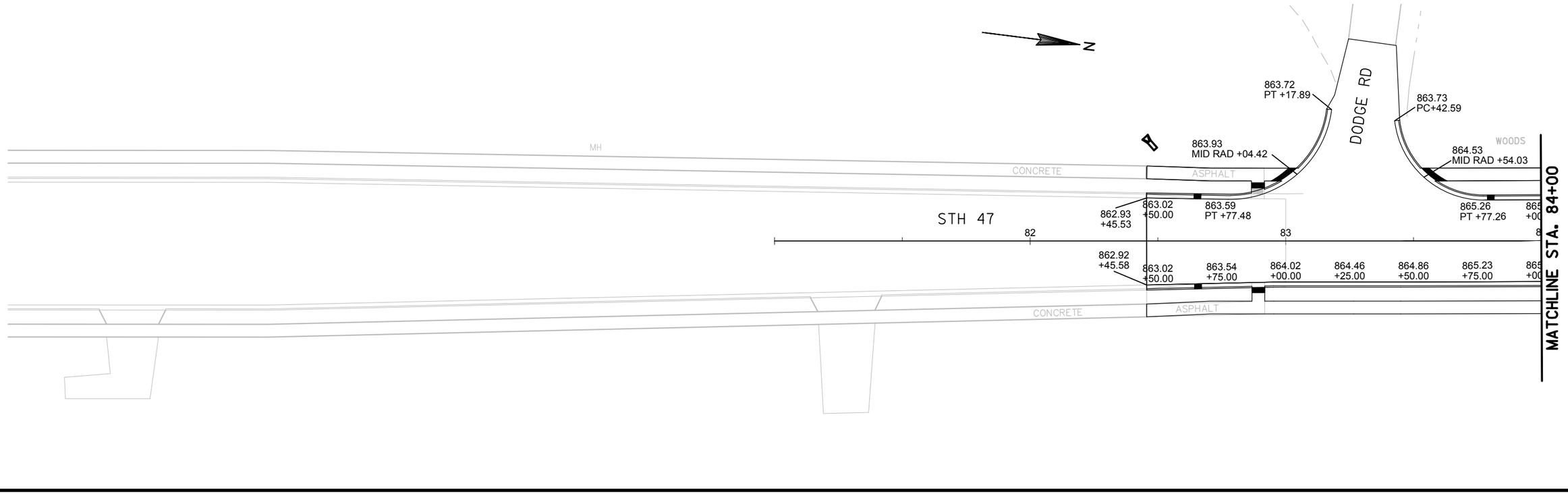
+92.06, 30.09' RT

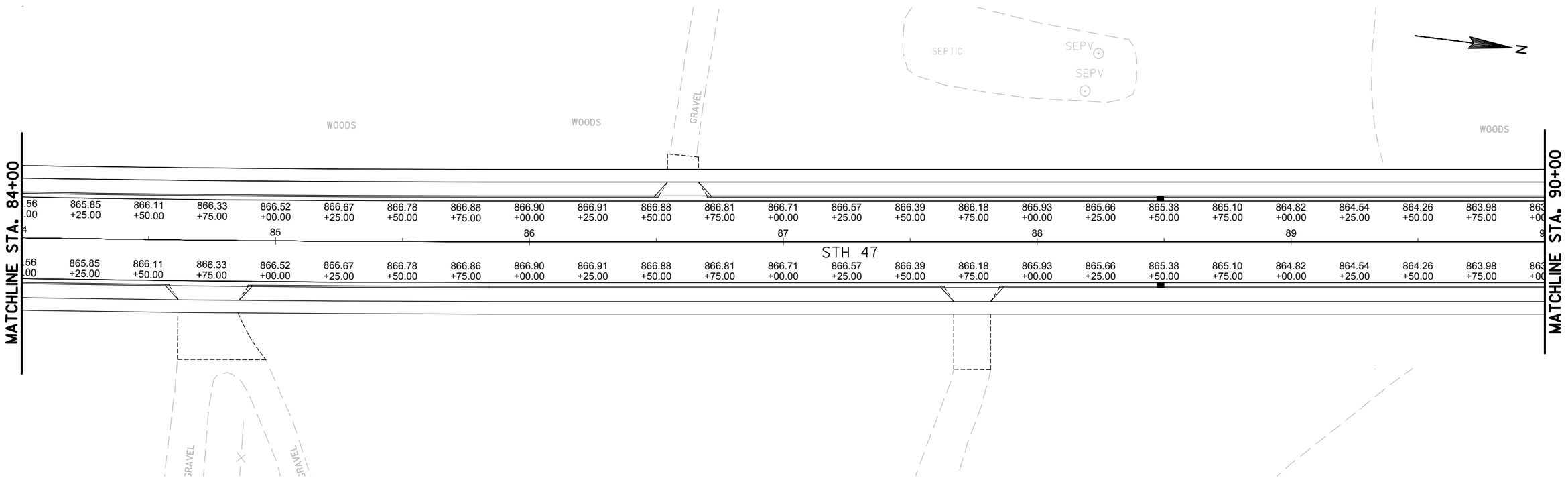
+99.87, 30.09' RT

+14.01, 30.09' RT

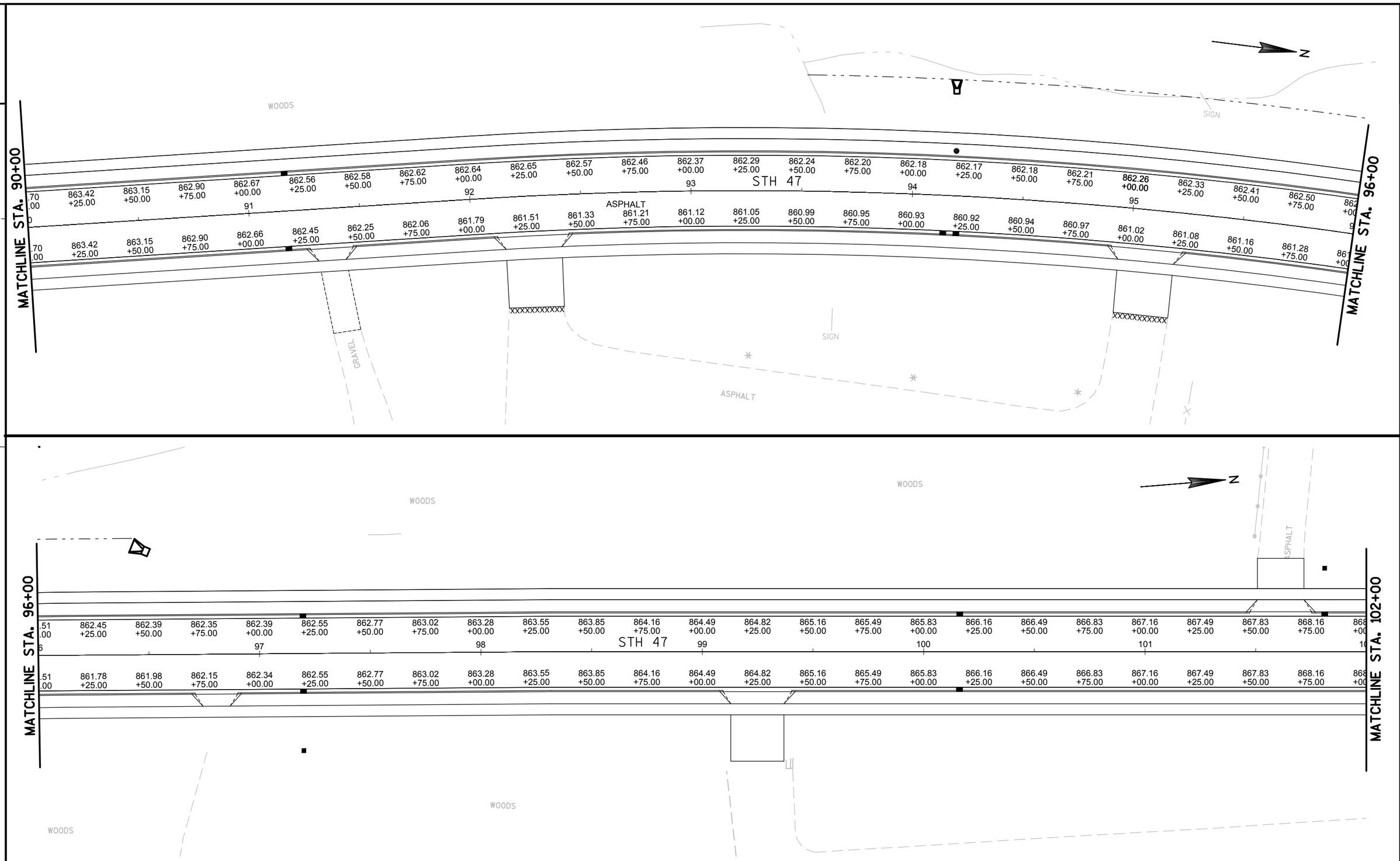
OSHKOSH RD

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CURB RAMP DETAILS	SHEET	E

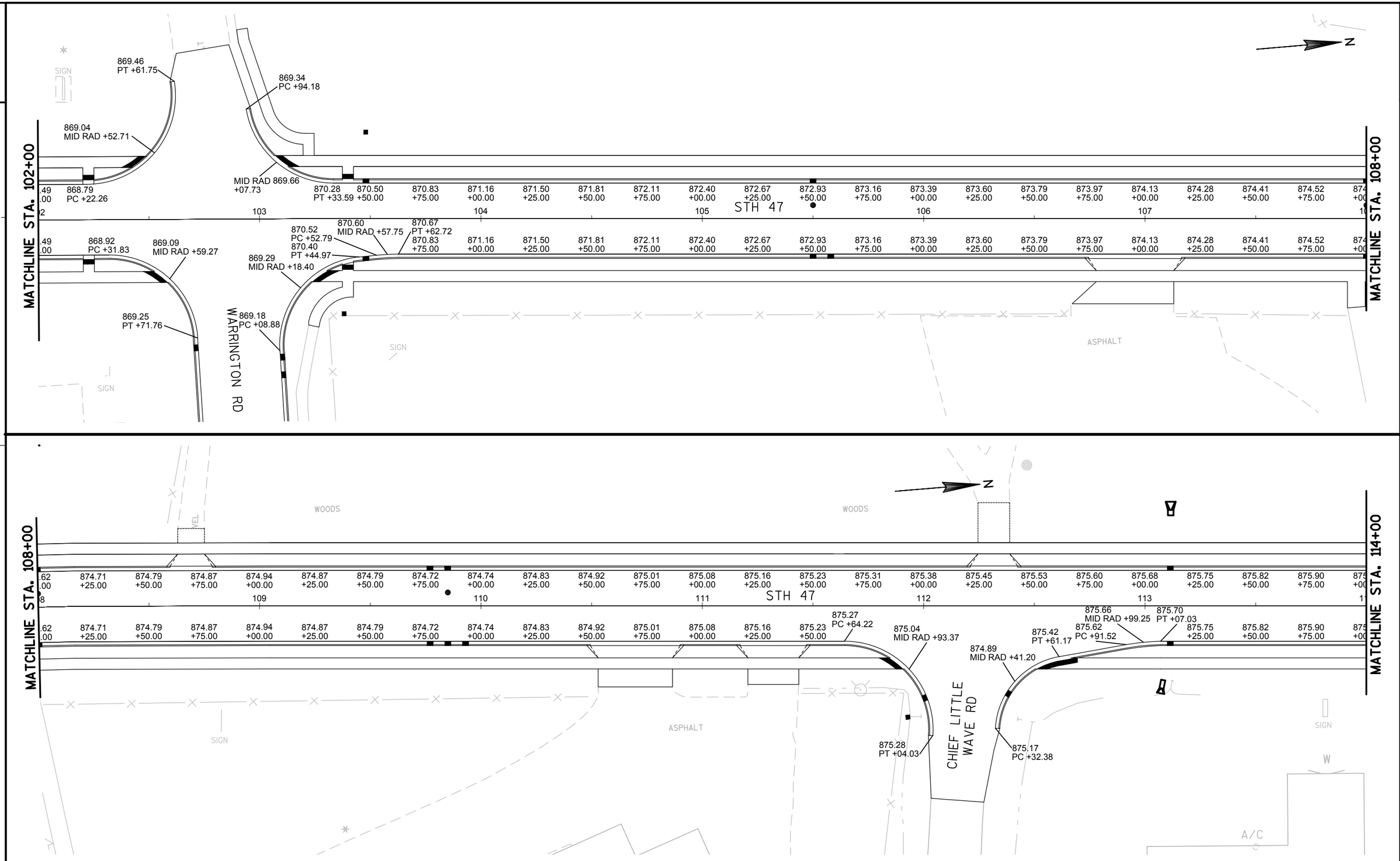




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PAVING GRADES	SHEET	E

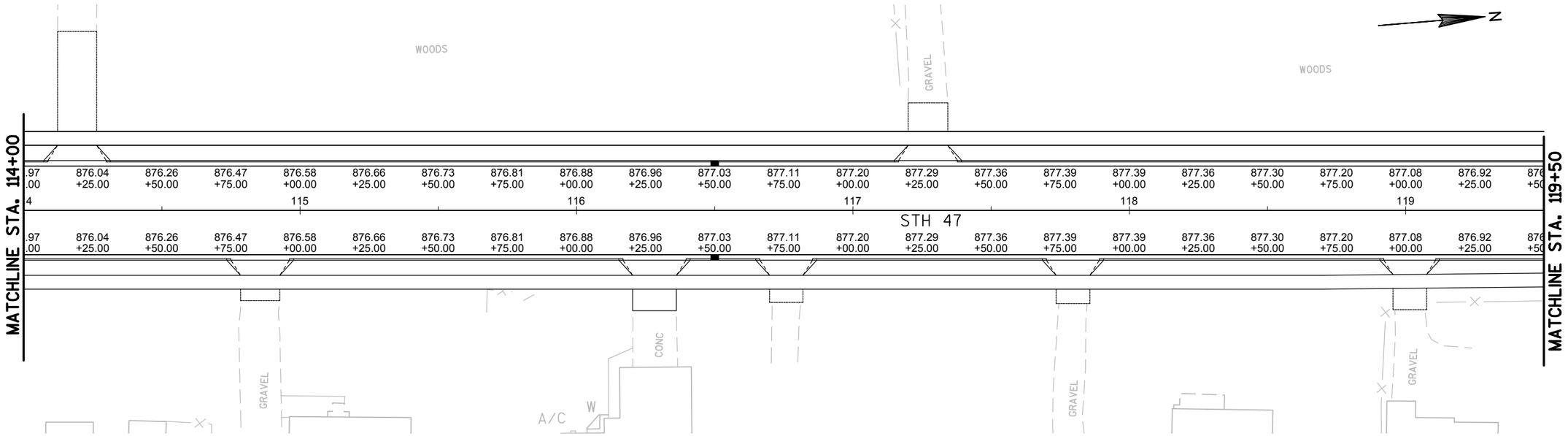


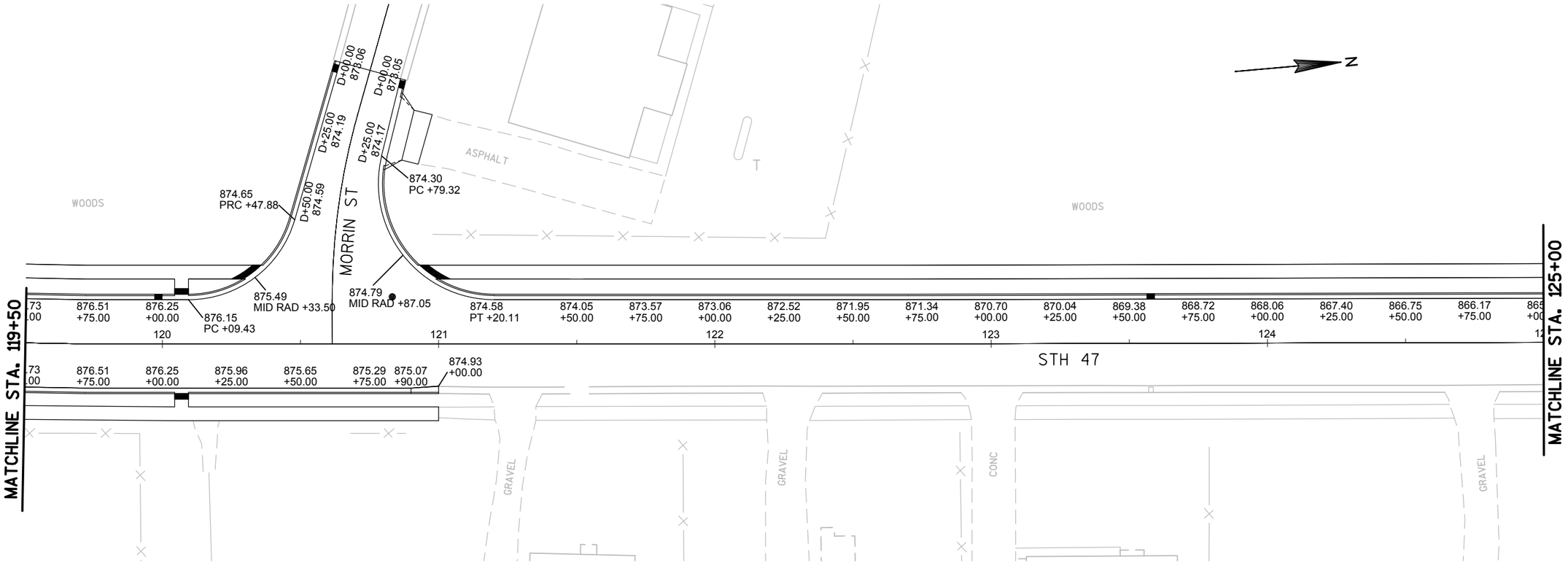
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PAVING GRADES	SHEET	E



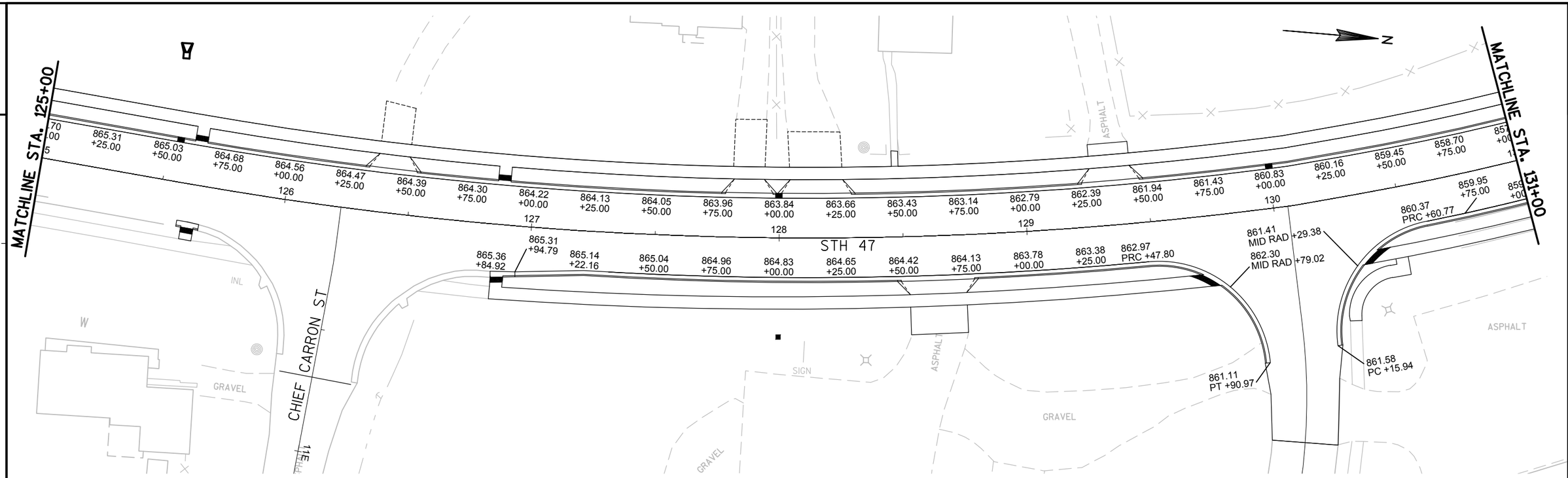
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PAVING GRADES	SHEET	E

2



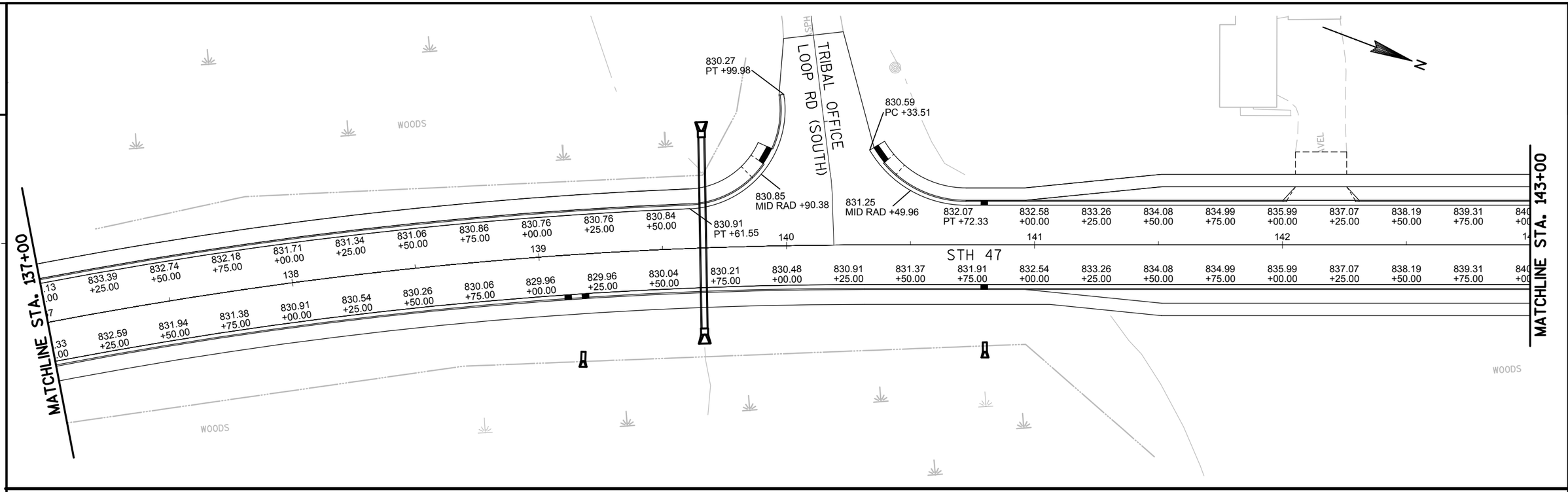


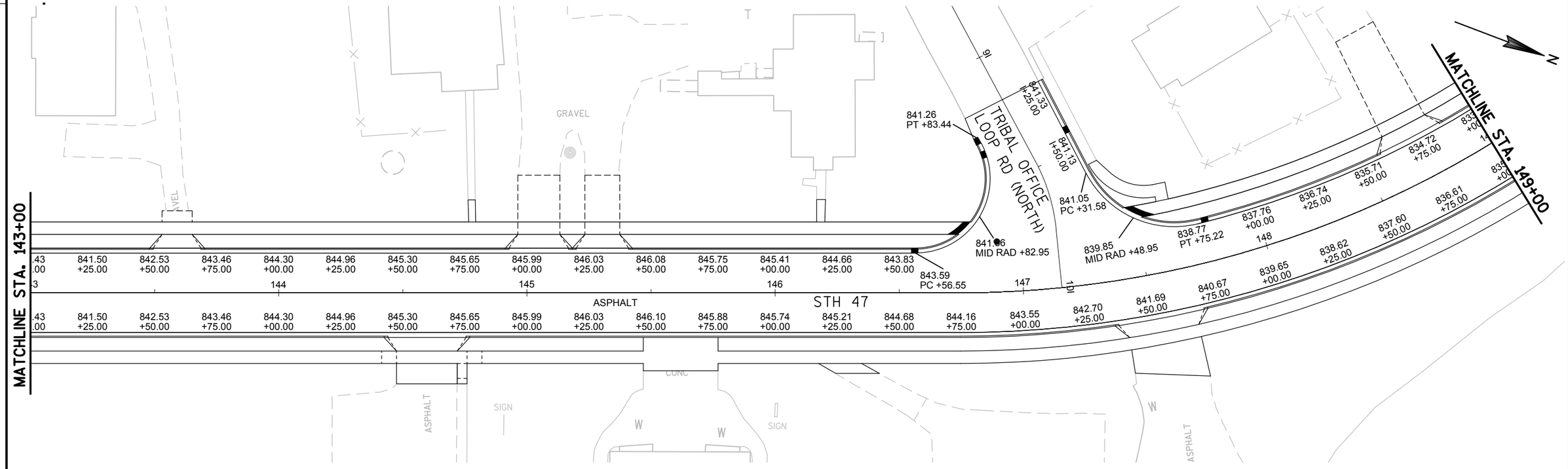
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PAVING GRADES	SHEET	E



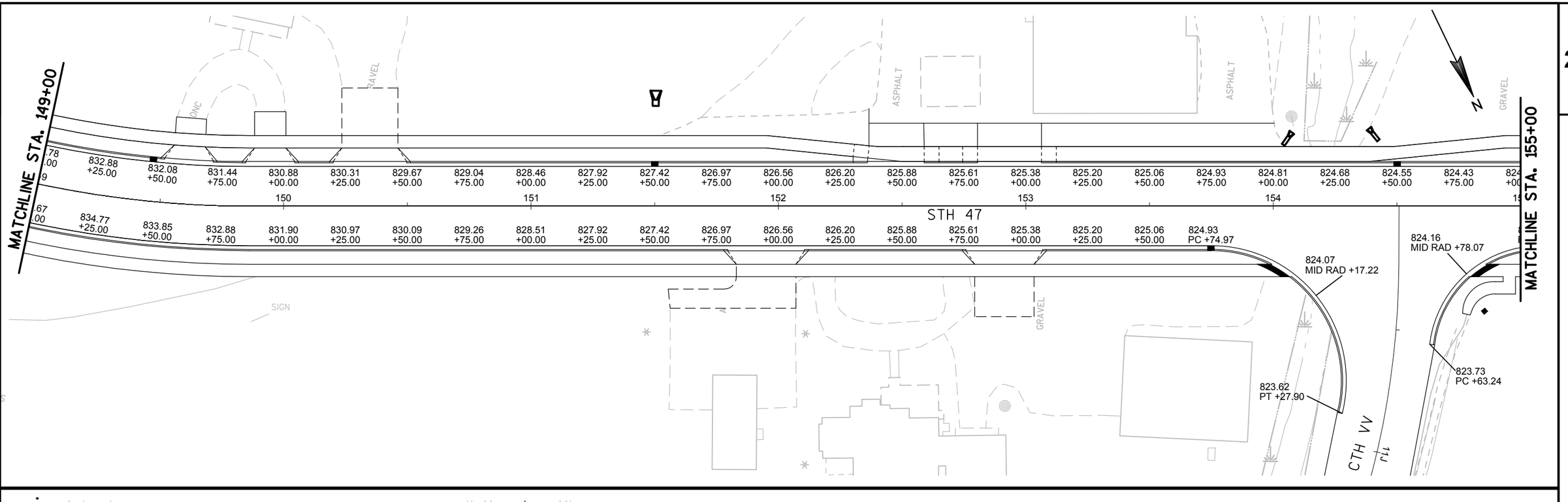
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PAVING GRADES	SHEET	E

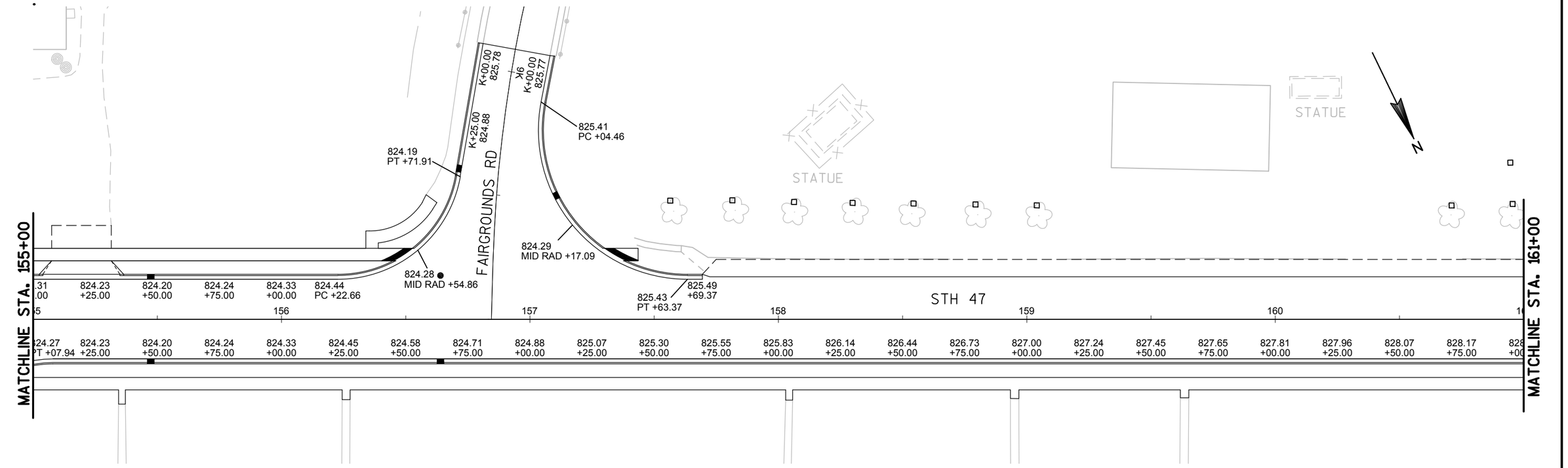
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0212_PG.DWG PLOT DATE : 2/13/2019 10:50 AM PLOT BY : DOLAN, ISAAC PLOT NAME :





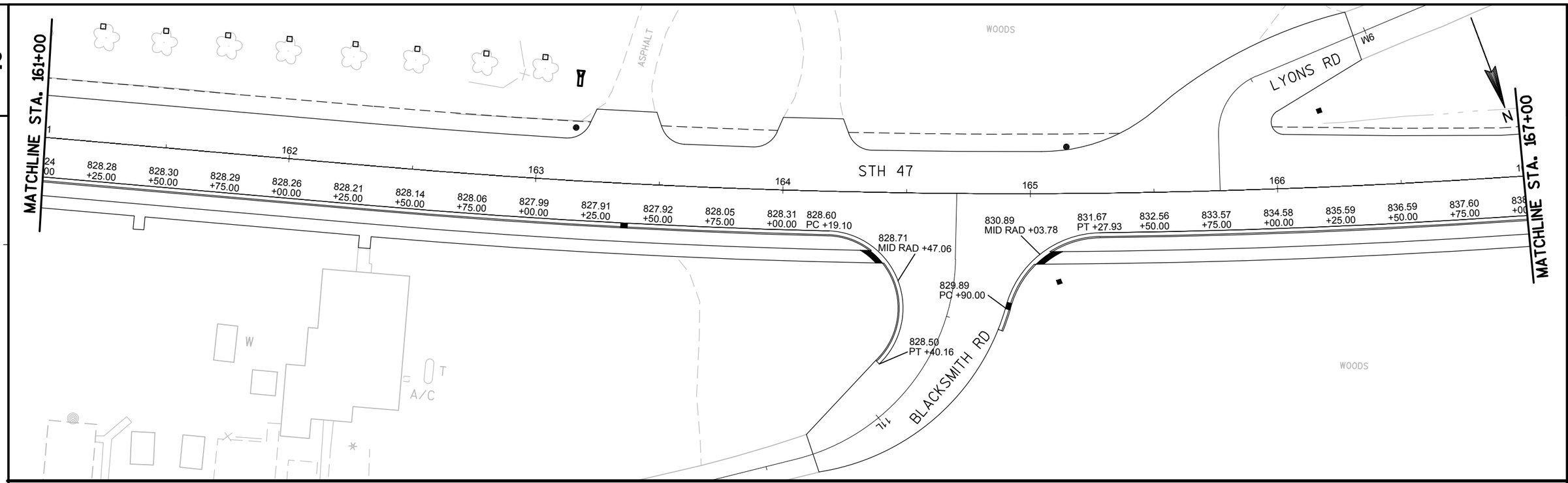
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PAVING GRADES	SHEET	E

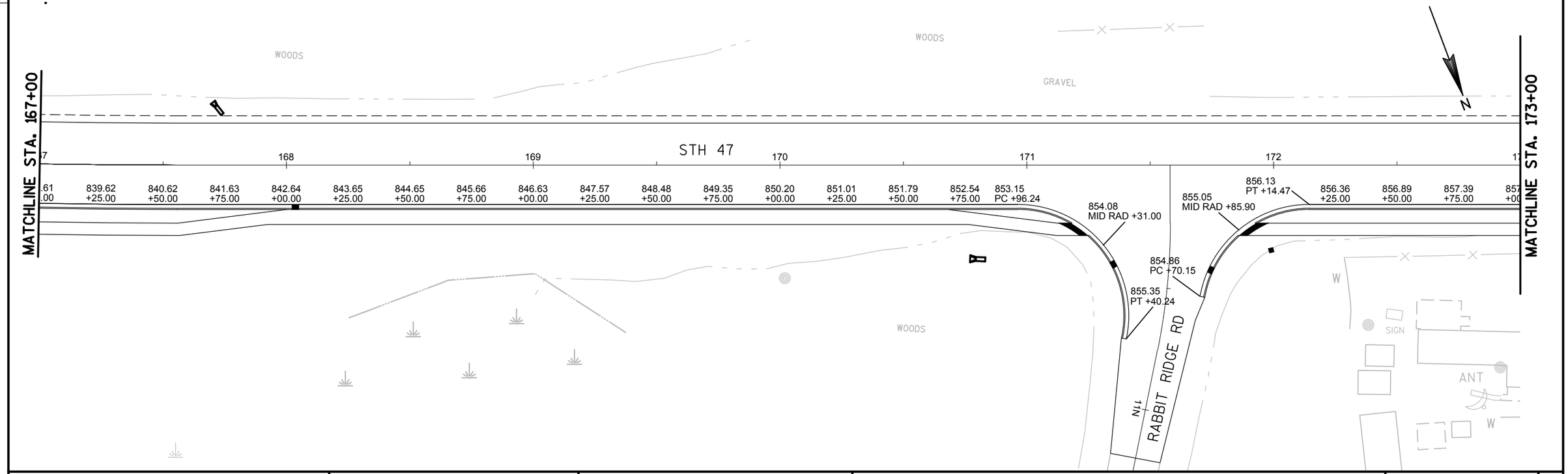




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PAVING GRADES	SHEET	E

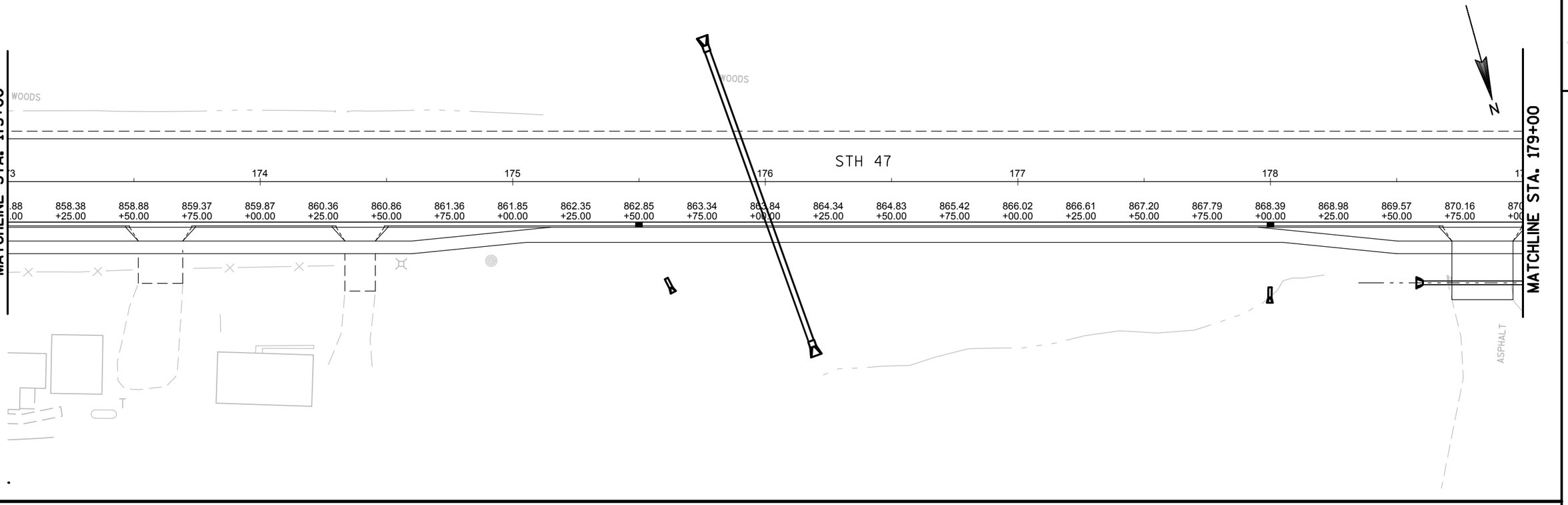
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0212_PG.DWG PLOT DATE : 2/13/2019 10:50 AM PLOT BY : DOLAN, ISAAC PLOT NAME :

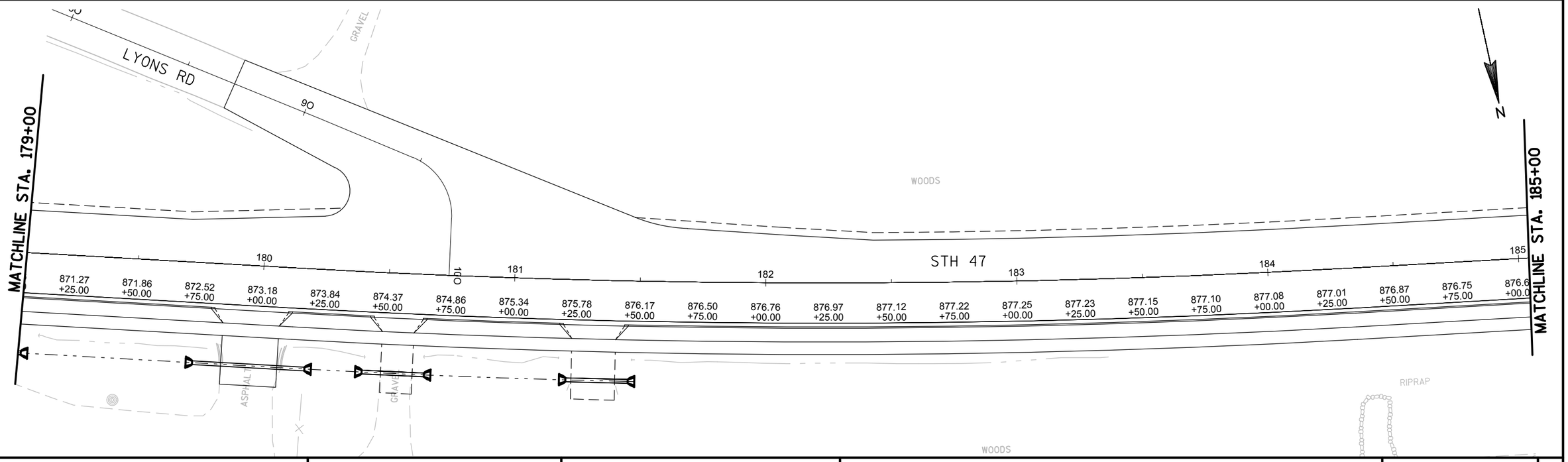




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PAVING GRADES	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0212_PG.DWG PLOT DATE : 2/13/2019 10:50 AM PLOT BY : DOLAN, ISAAC PLOT NAME :





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PAVING GRADES	SHEET	E

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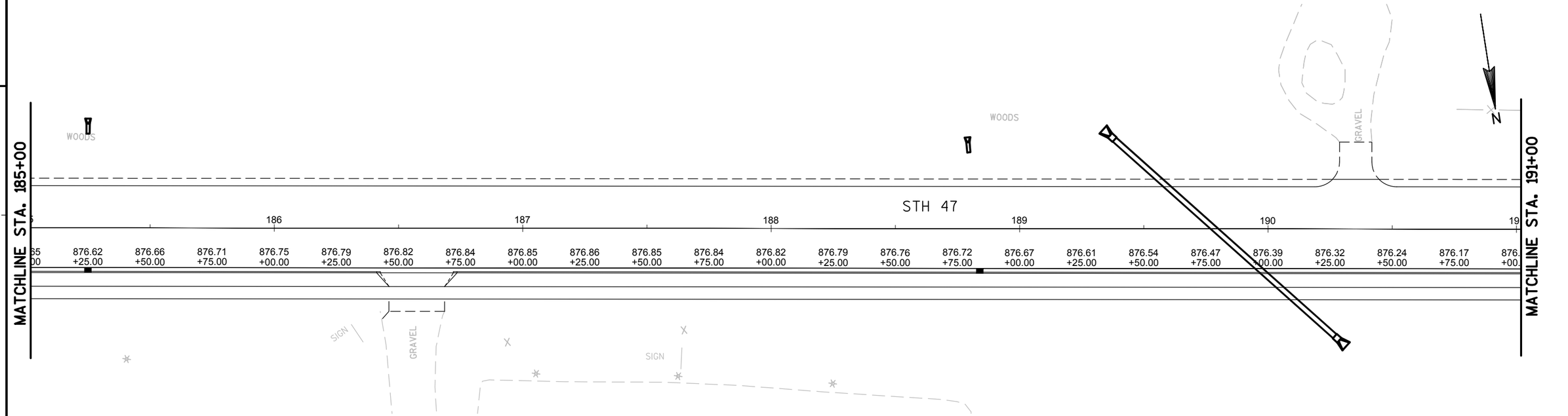
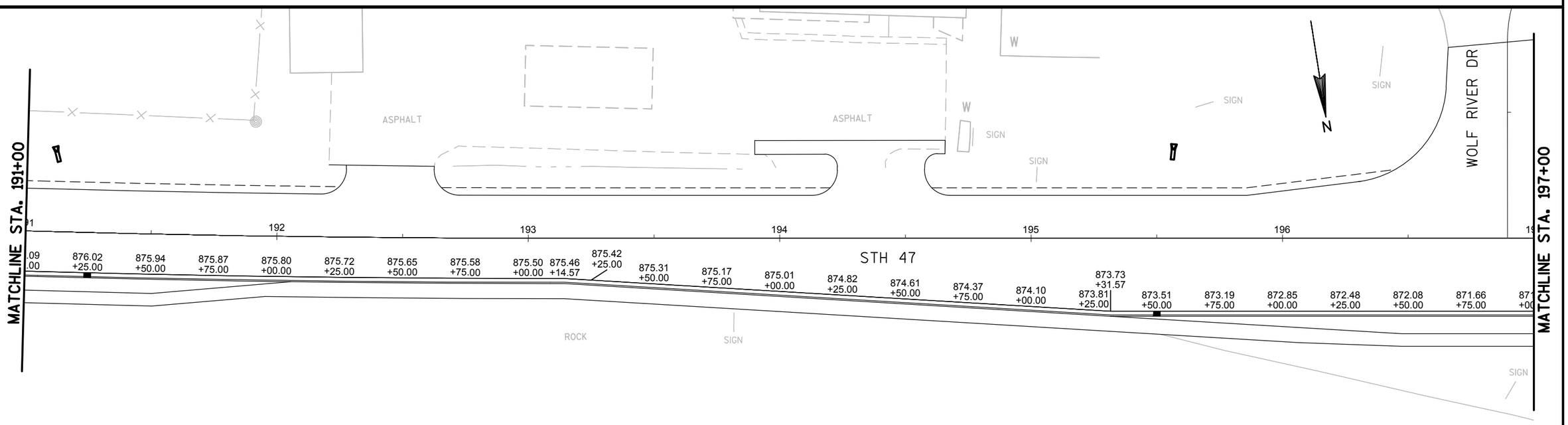




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PAVING GRADES	SHEET	E

2

2

WOLF RIVER DR

MATCHLINE STA. 197+00

SIGN

N

197 198 199 200 201 202 203

STH 47

.21 870.74 +25.00 870.24 +50.00 869.71 +75.00 869.26 +94.98
.00

SIGN

SIGN

SIGN

871.17 B+63.04

869.38 B+50.00 869.74 B+75.00 870.13 B+00.00 870.56 B+25.00 870.96 B+50.00 871.33 B+75.00 871.66 B+00.00 14B 871.98 B+25.00

869.91 B+90.99

WARRINGTON ROAD

12B 870.16 B+87.09 13B

11B

869.64 B+50.00 869.99 B+75.00 870.33 B+00.00 870.64 B+25.00 870.92 B+50.00 871.07 B+65.91 871.24 B+75.00 871.60 B+00.00 871.96 B+25.00

N

SIGN

SIGN

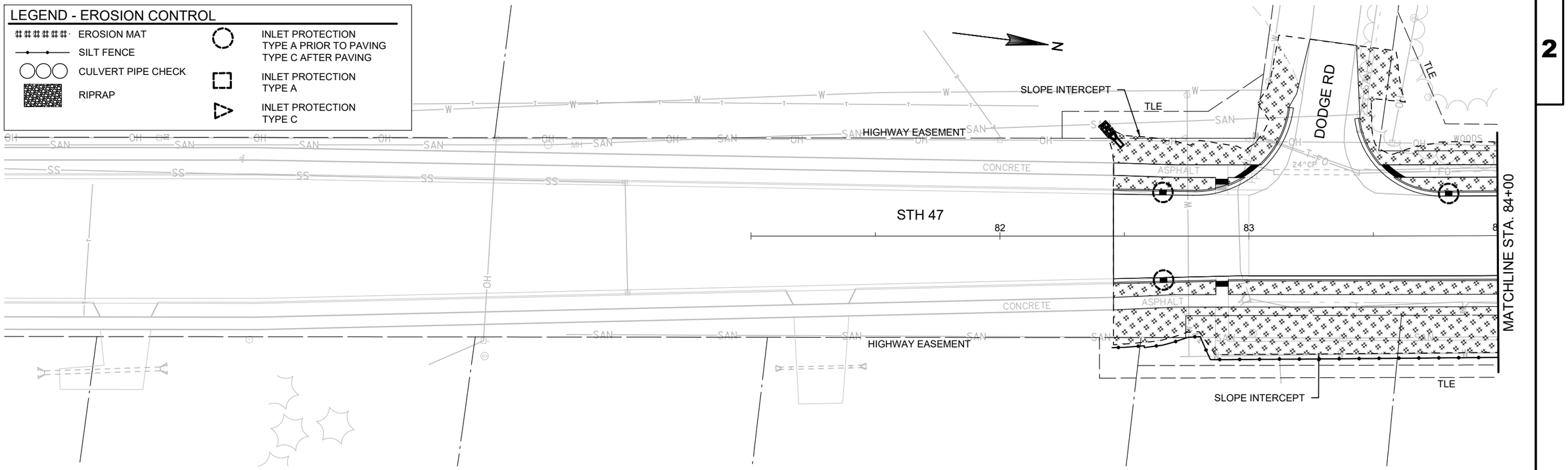
STH 47

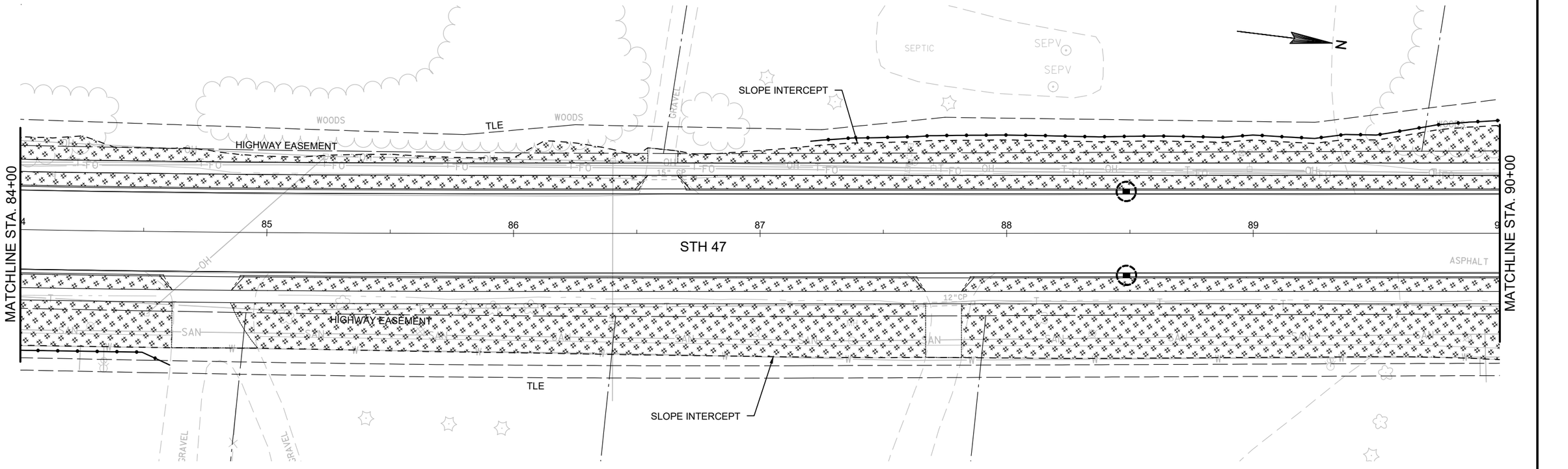
ASPHALT

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PAVING GRADES	SHEET	E

LEGEND - EROSION CONTROL

- EROSION MAT
- SILT FENCE
- CULVERT PIPE CHECK
- RIPRAP
- INLET PROTECTION TYPE A PRIOR TO PAVING TYPE C AFTER PAVING
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE C





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E

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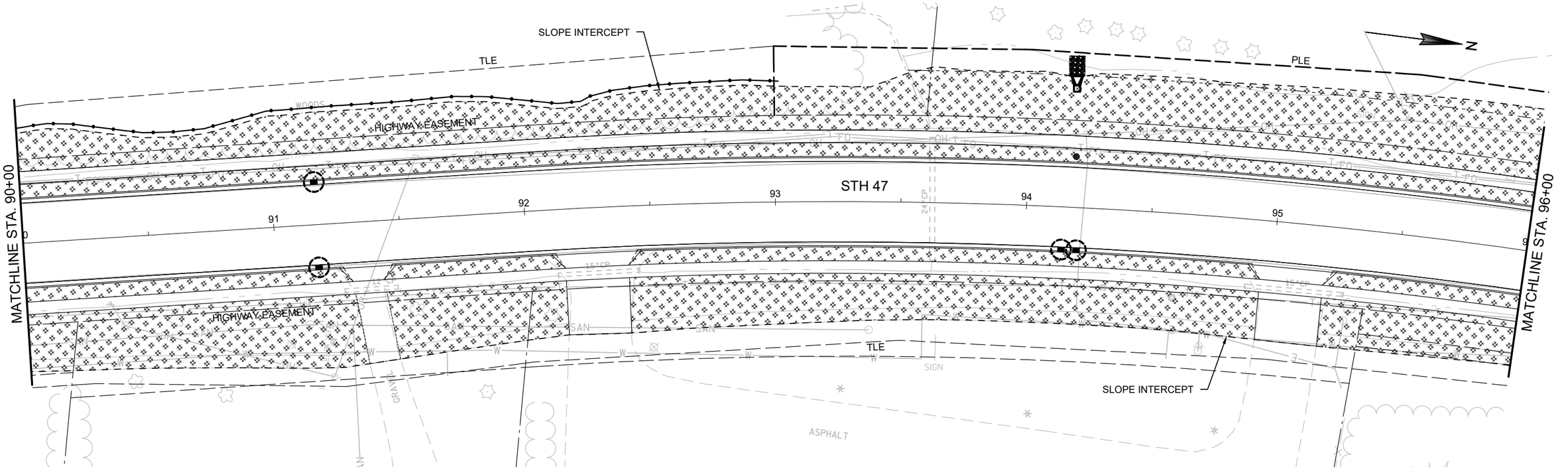
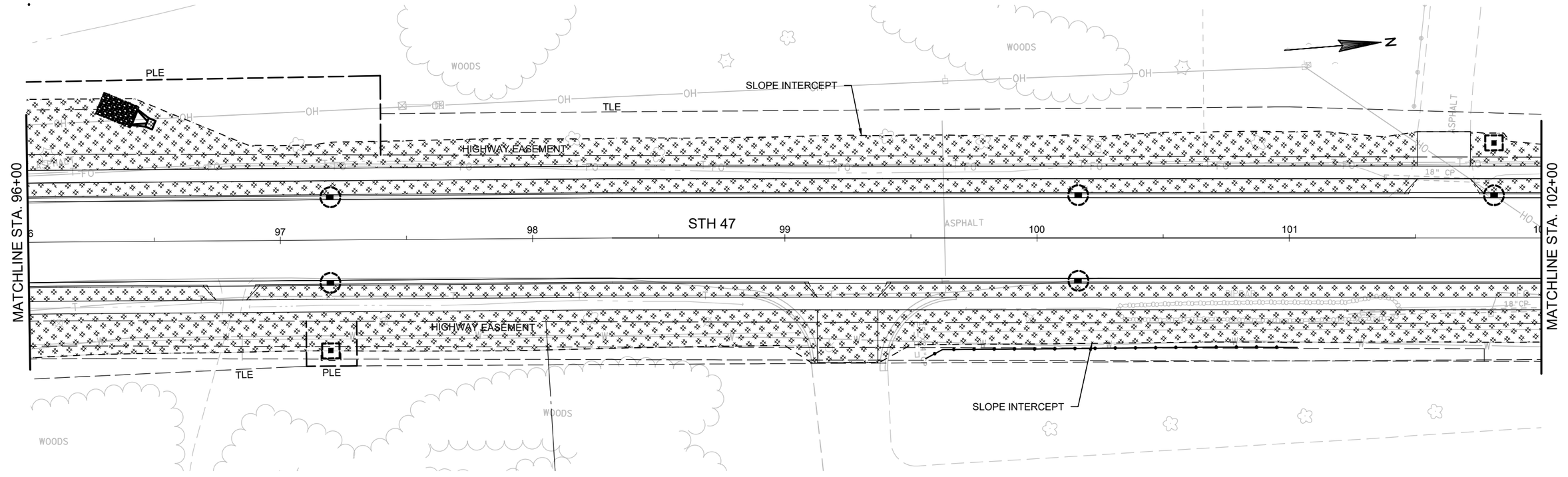
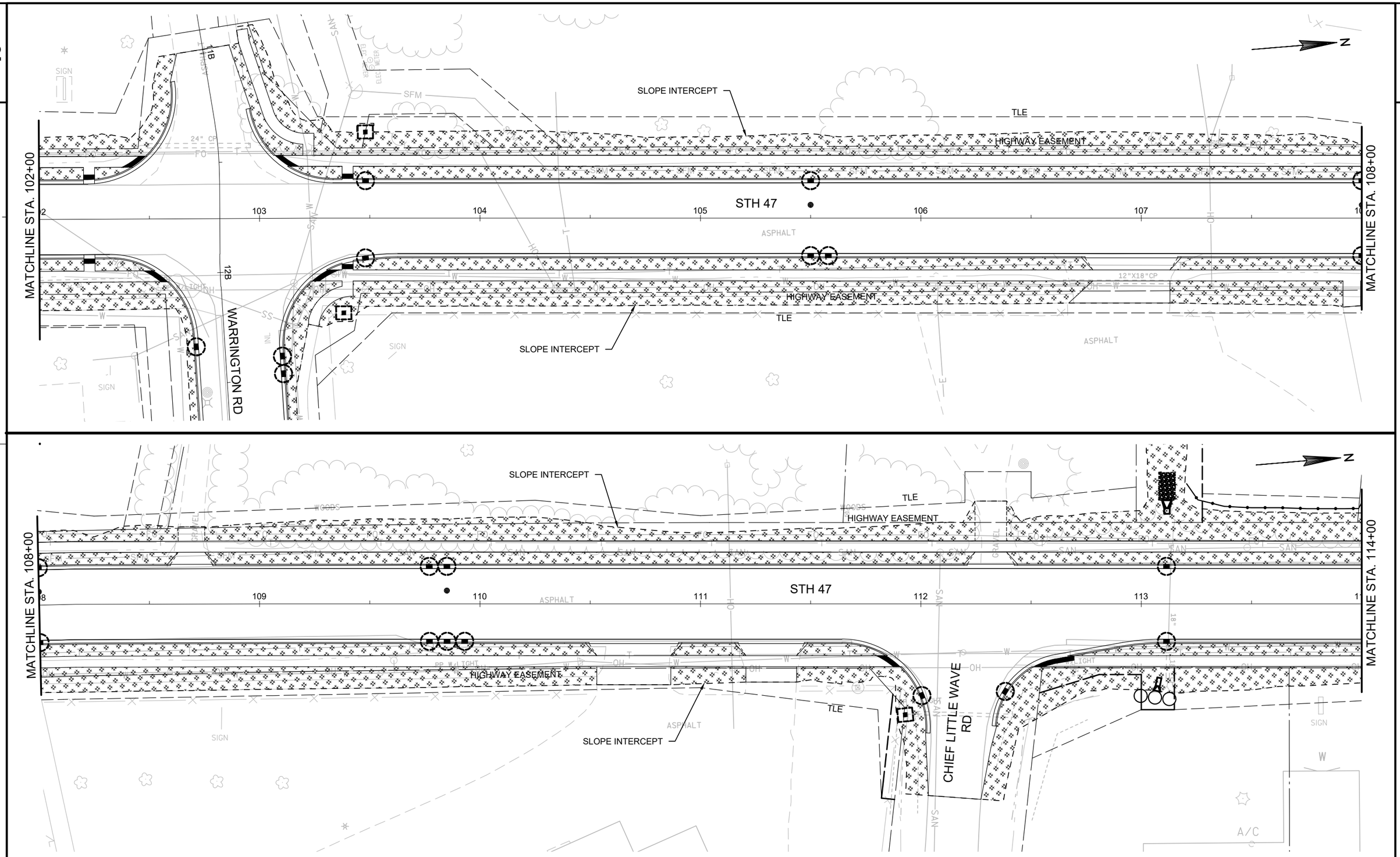




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E



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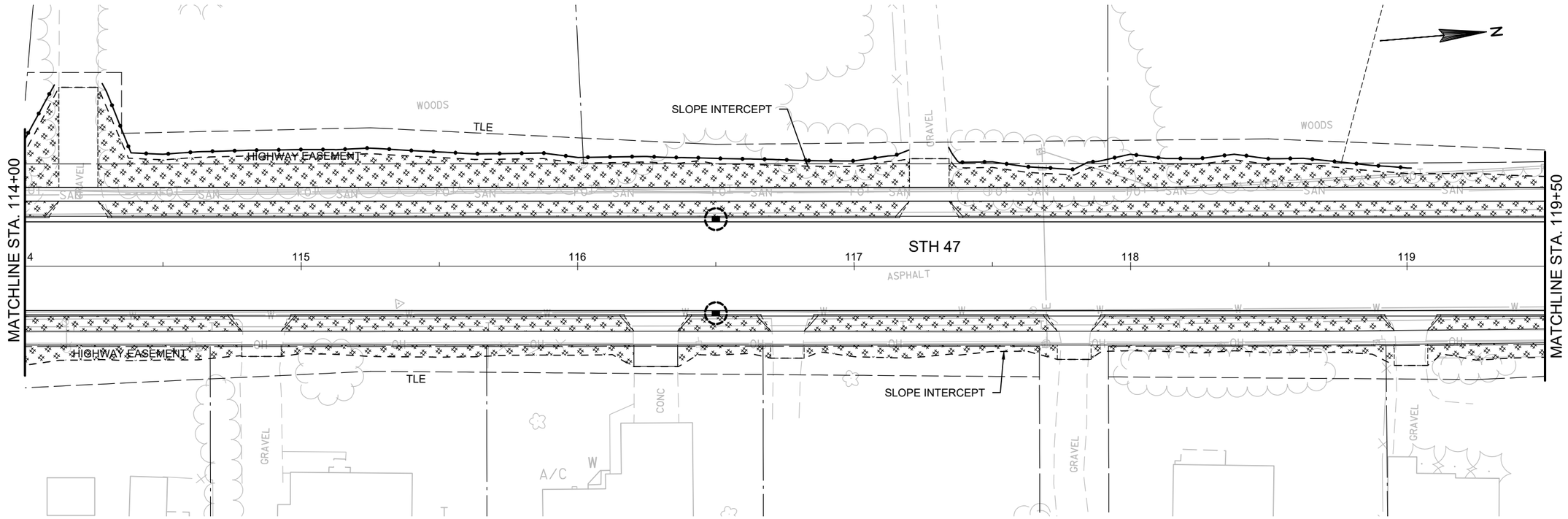
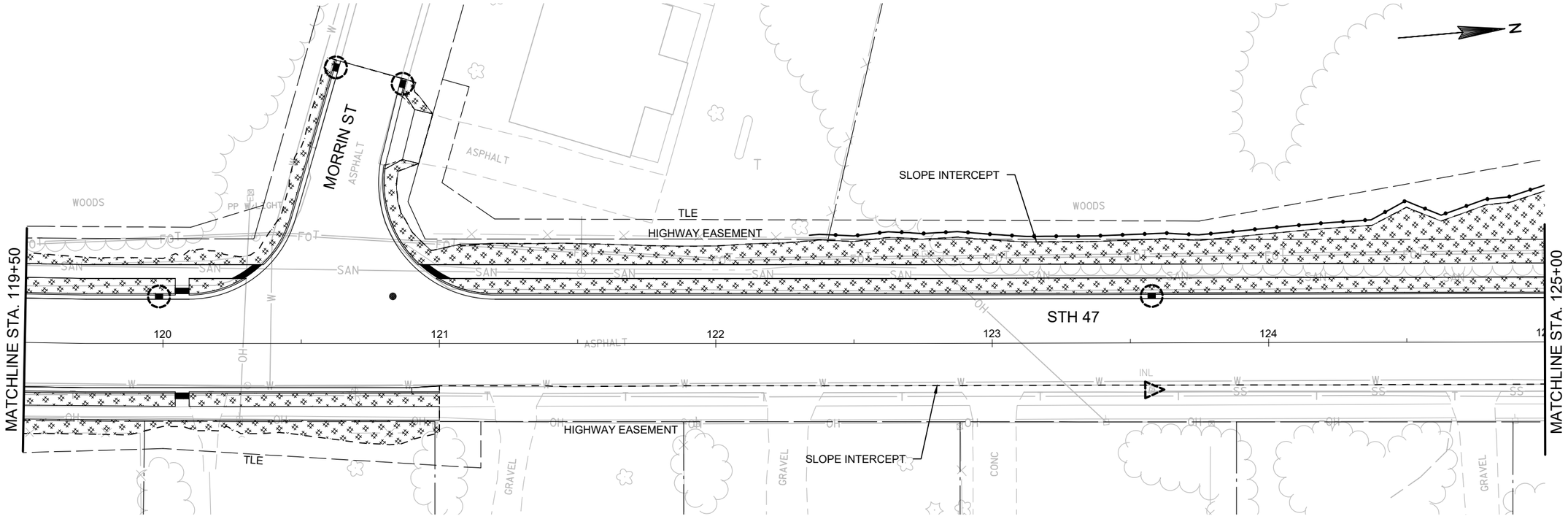
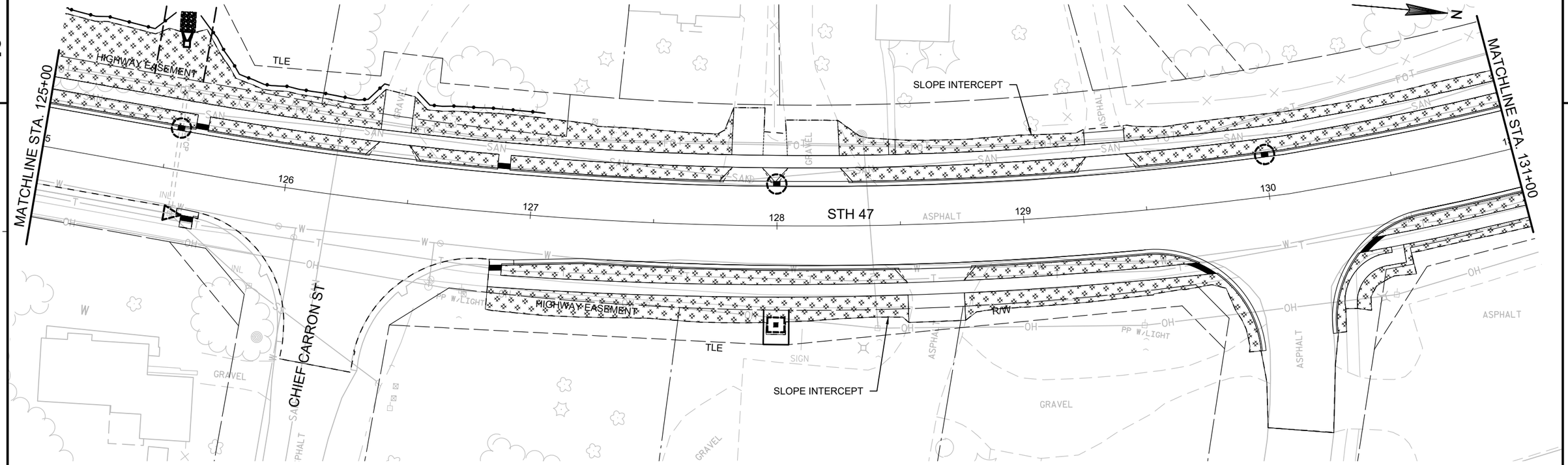
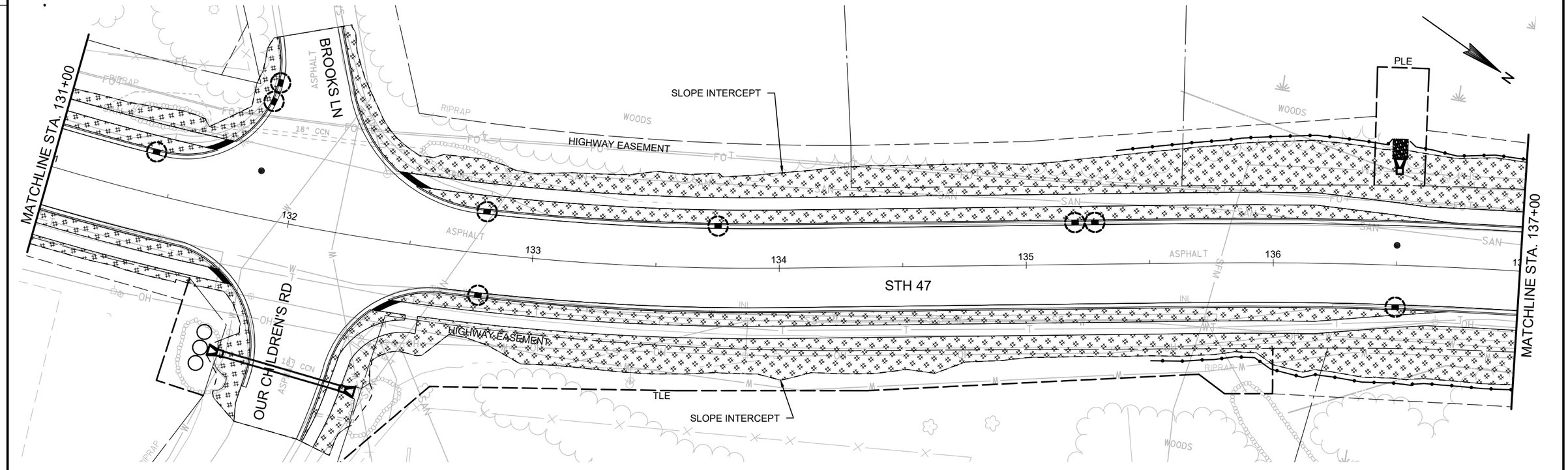
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E



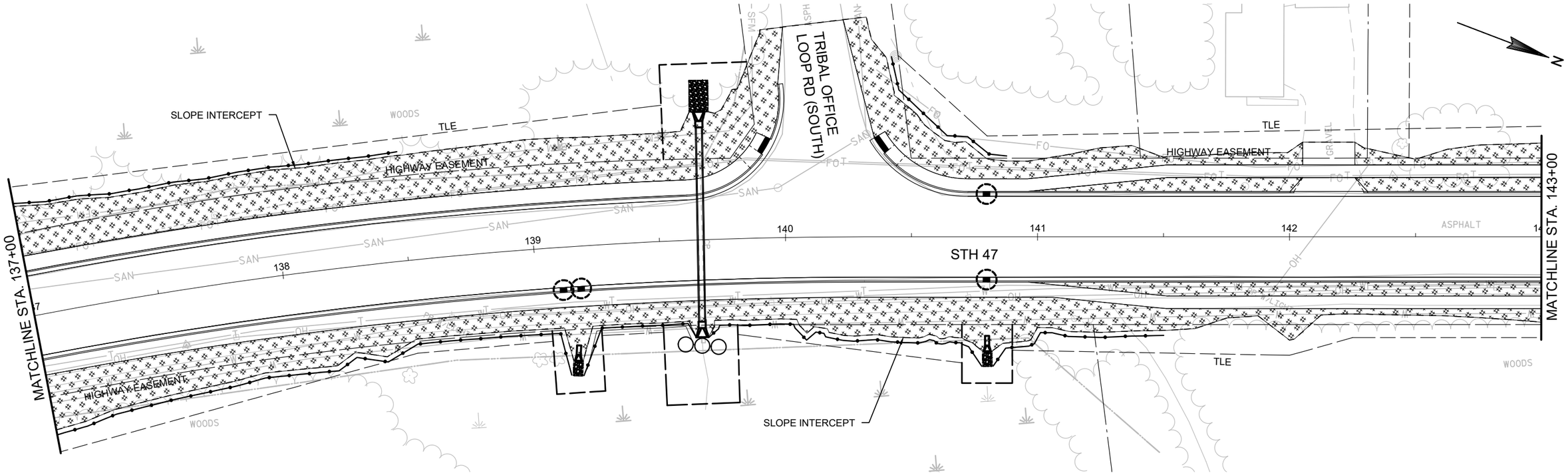


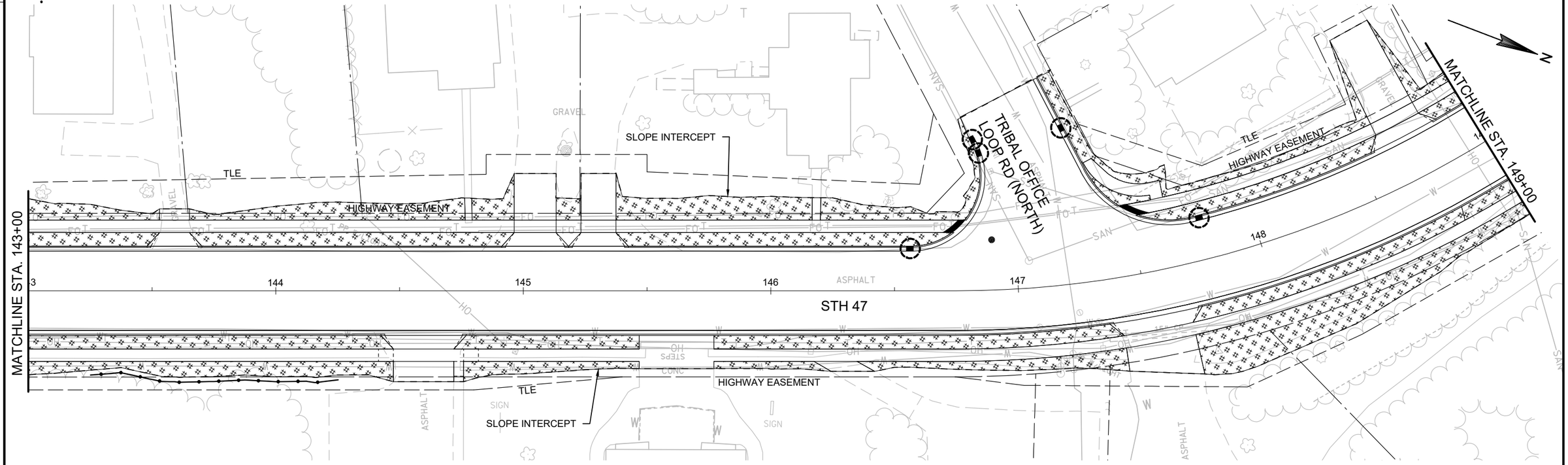
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E





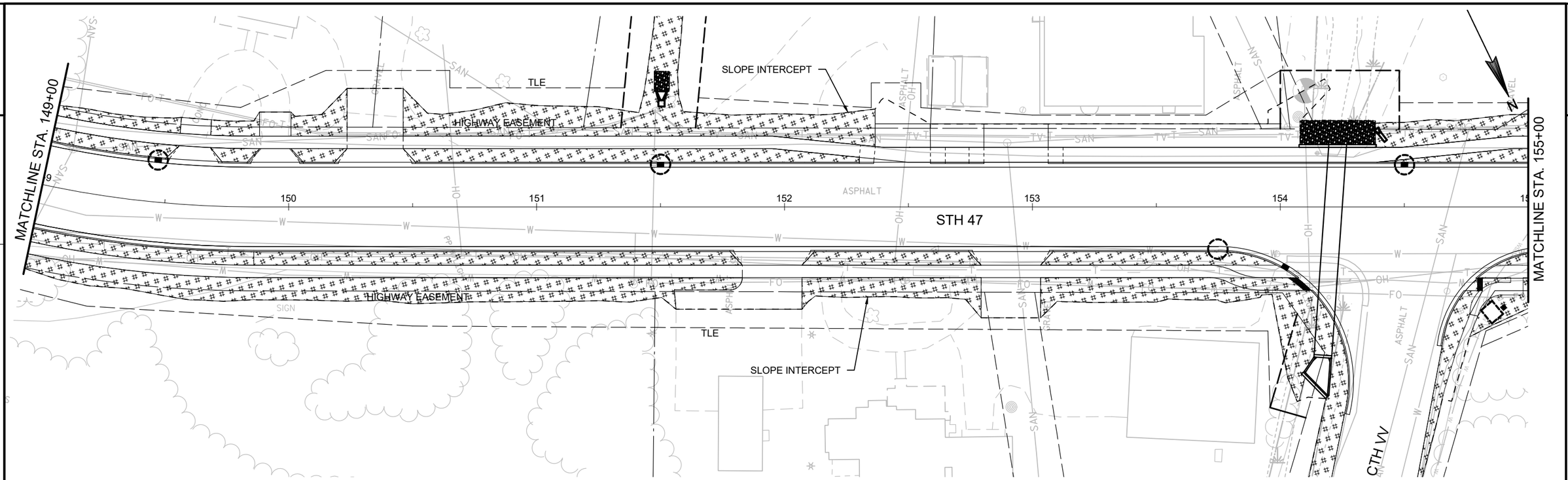
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E

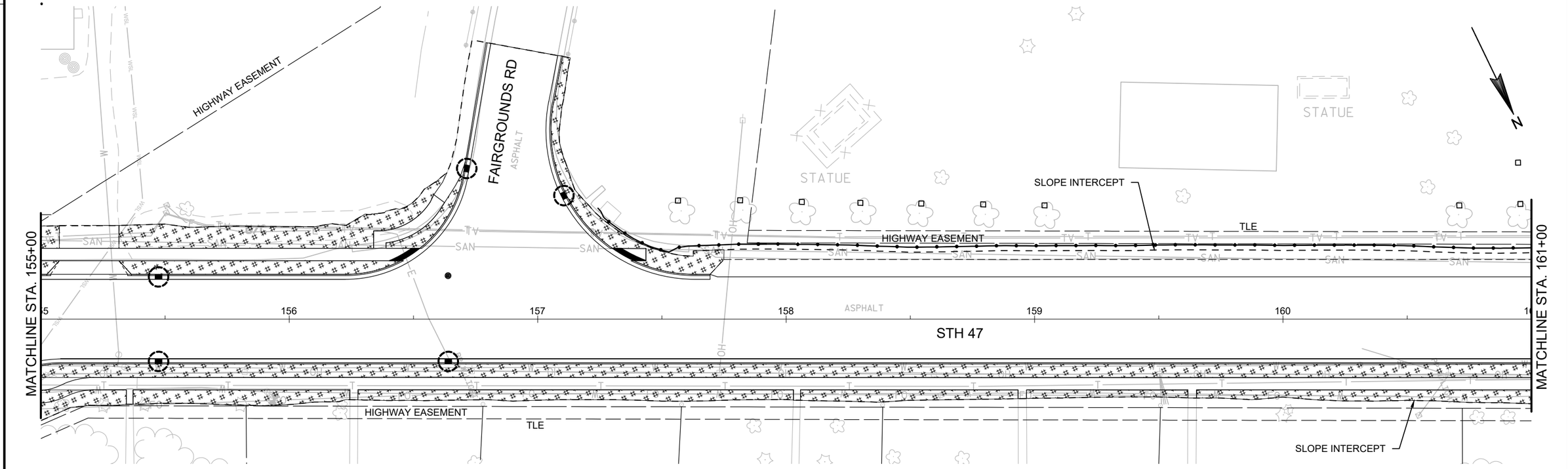




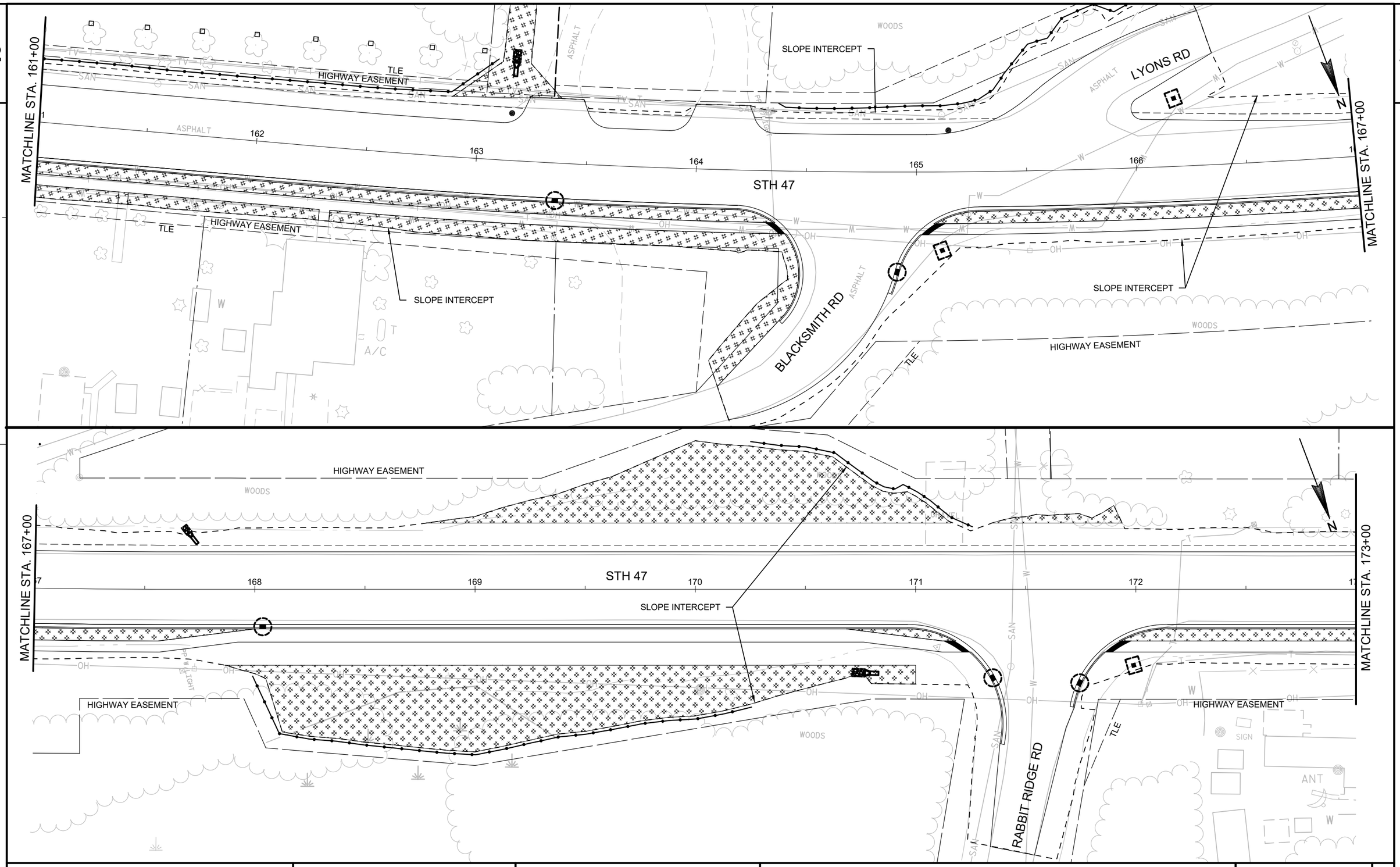
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0220_EC.DWG PLOT DATE : 10/2/2019 3:36 PM PLOT BY : DOLAN, ISAAC PLOT NAME :

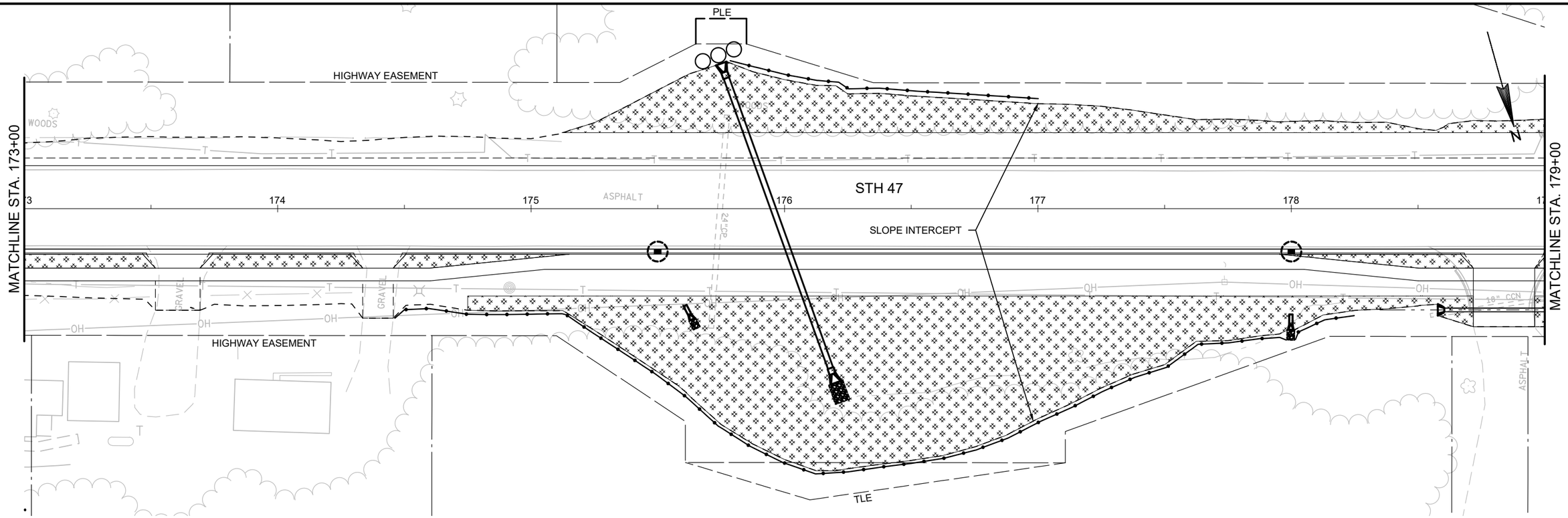


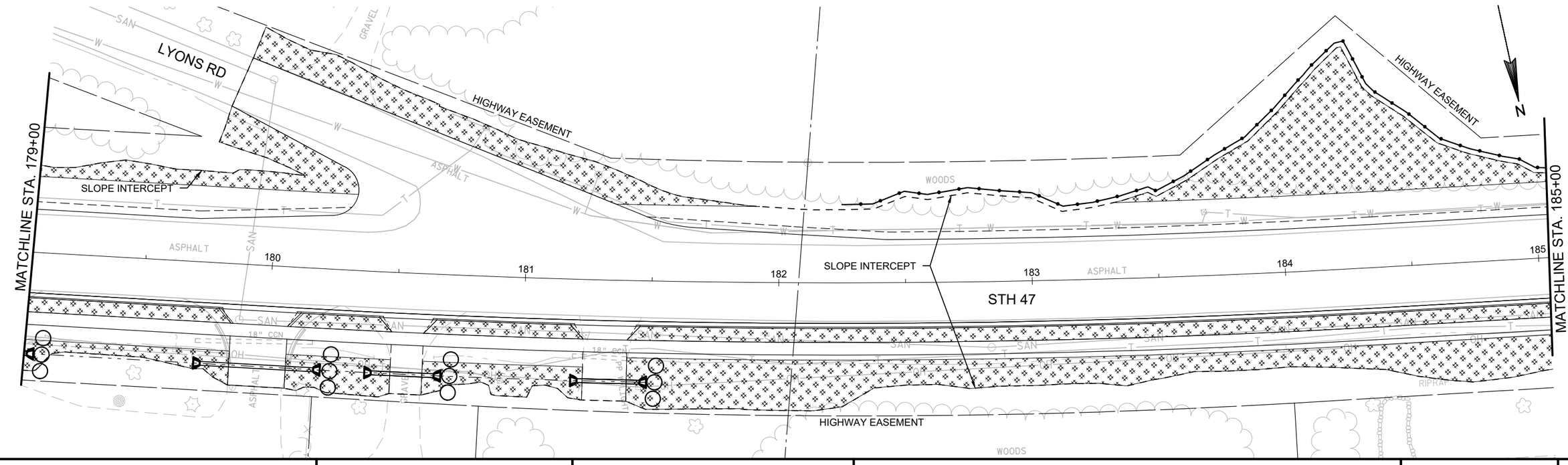


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E



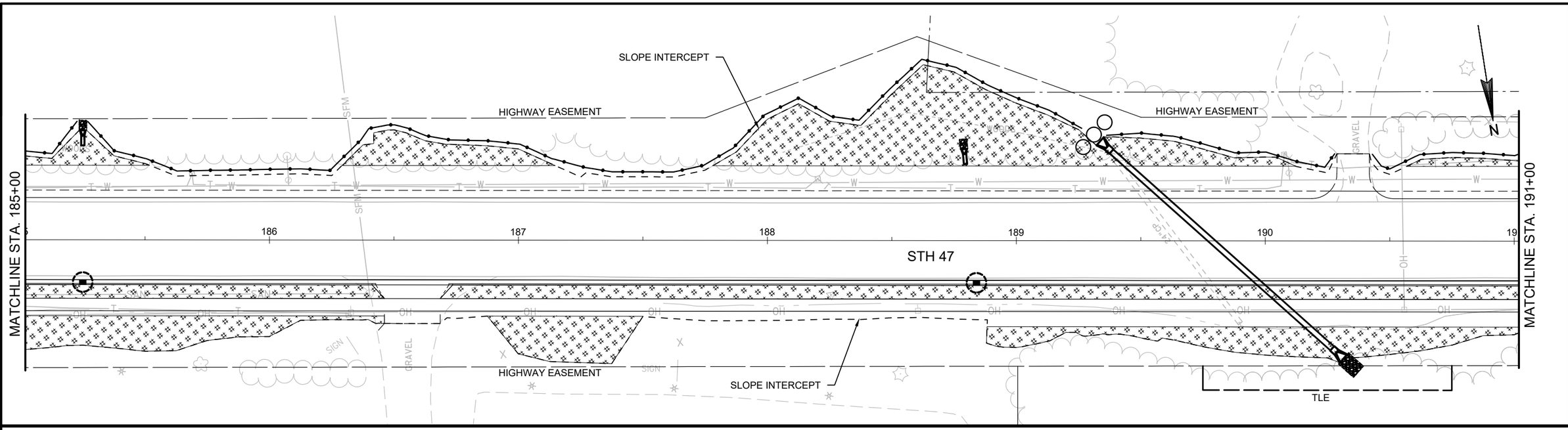
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E

2



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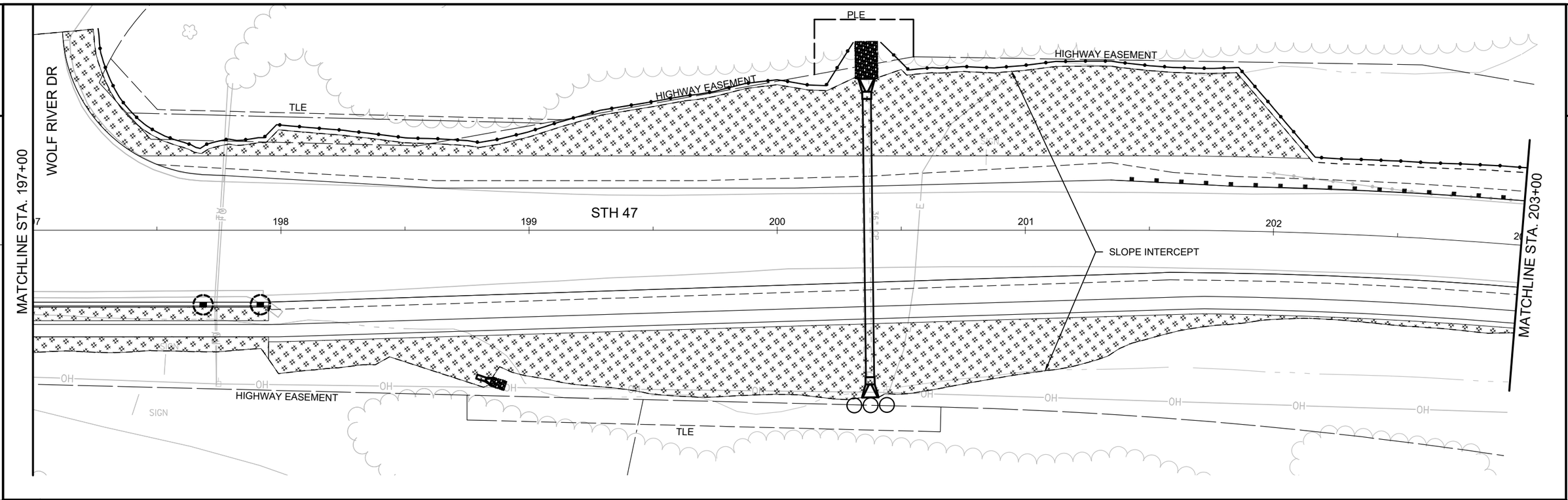
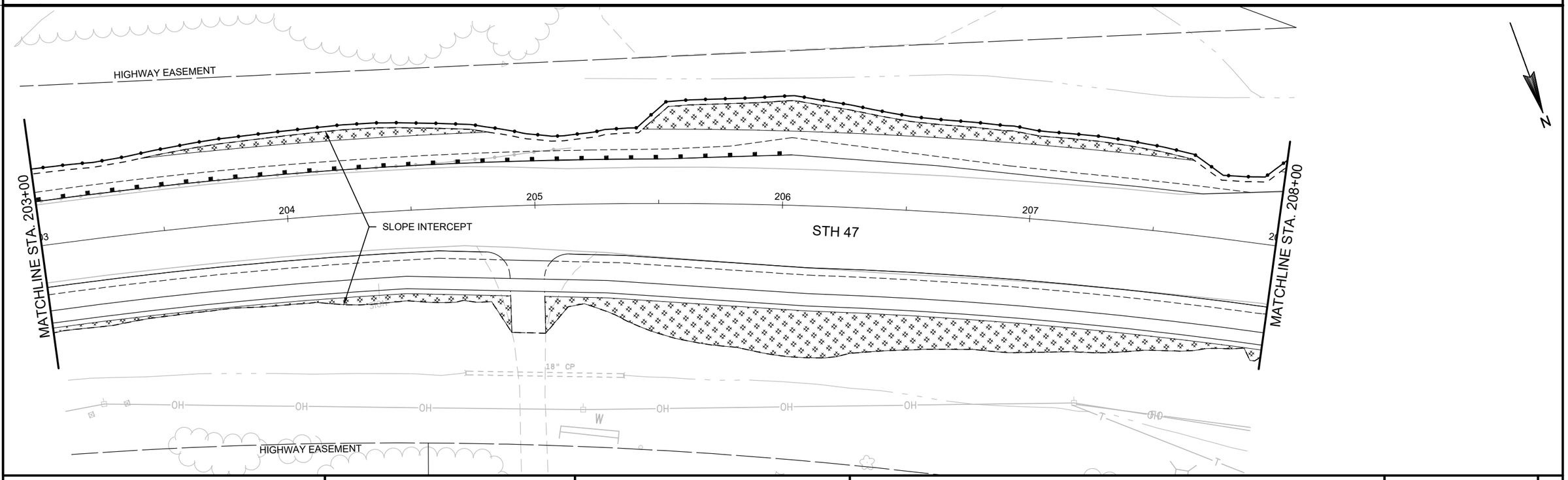
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0220_EC.DWG PLOT DATE : 10/2/2019 3:38 PM PLOT BY : DOLAN, ISAAC PLOT NAME :





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E

2

HIGHWAY EASEMENT

COURTHOUSE LN

SLOPE INTERCEPT

208 209 210 211 212 213 214

STH 47

MATCHLINE STA. 208+00

MATCHLINE STA. 214+00

STH 55

SIGN

OH

RIPRAP

SLOPE INTERCEPT

WOLF RIVER

N

RIPRAP

INL

INL

214 215 216 217 218 219 220

STH 47

MATCHLINE STA. 214+00

WOLF RIVER

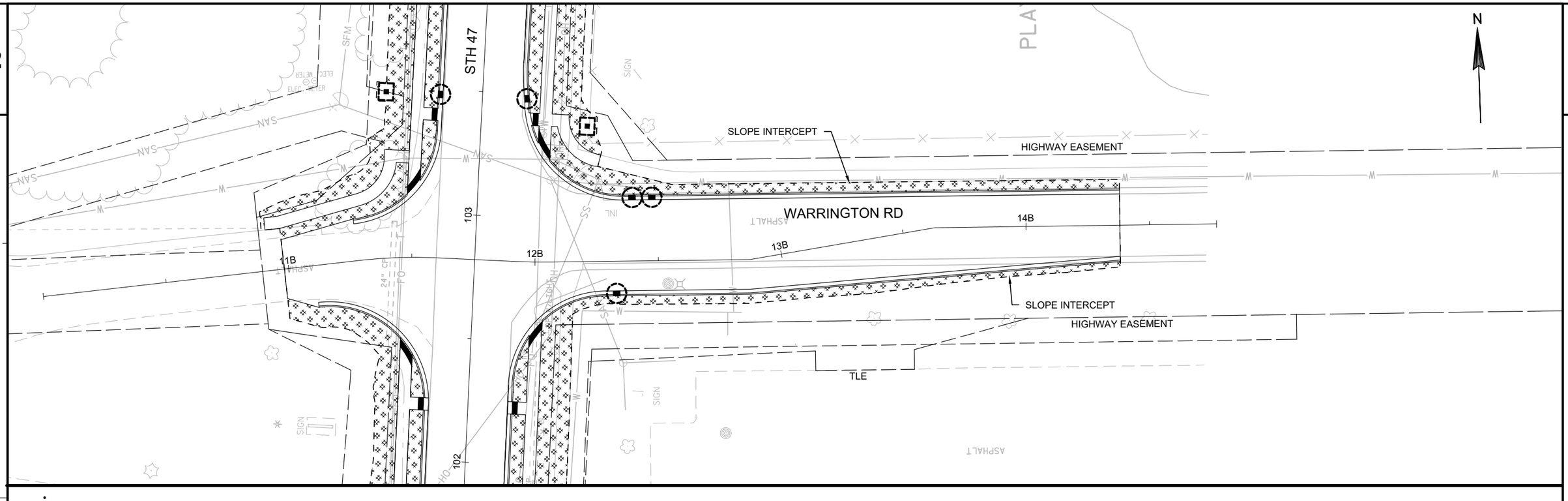
CTH VV

RIPRAP

WOLF

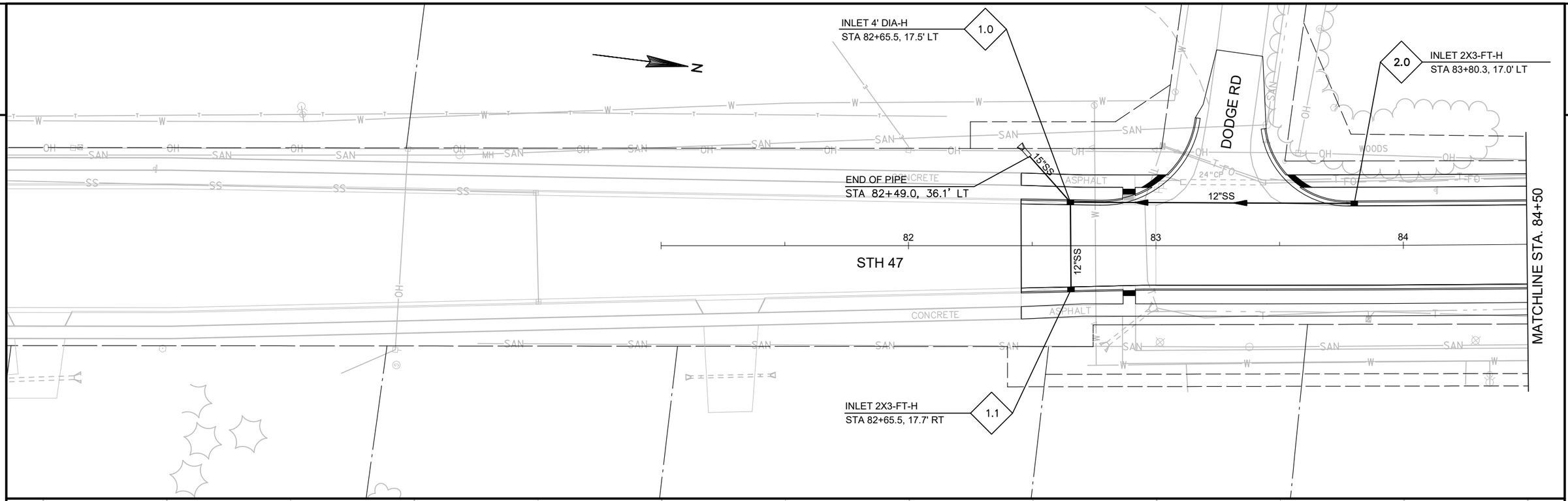
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0220_EC.DWG PLOT DATE : 10/2/2019 3:39 PM PLOT BY : DOLAN, ISAAC PLOT NAME :



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	EROSION CONTROL	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0220_EC.DWG PLOT DATE : 10/2/2019 3:39 PM PLOT BY : DOLAN, ISAAC PLOT NAME :



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0225_SS.DWG
LAYOUT NAME - 0225_SS - 022501_SS
PLOT DATE : 10/2/2019 11:42 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : **********

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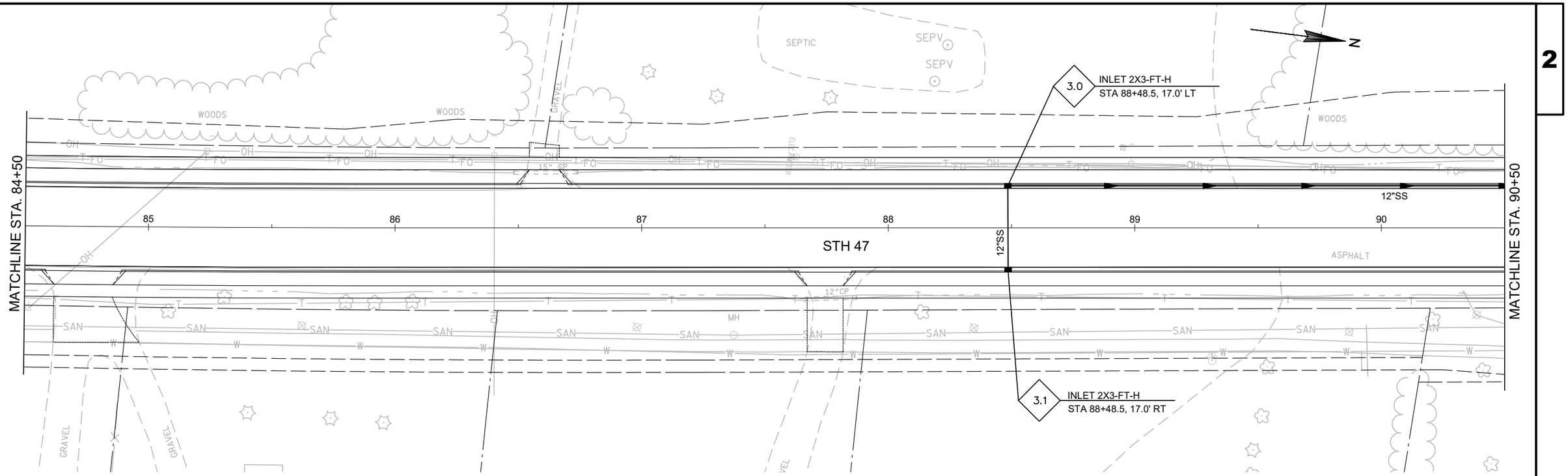

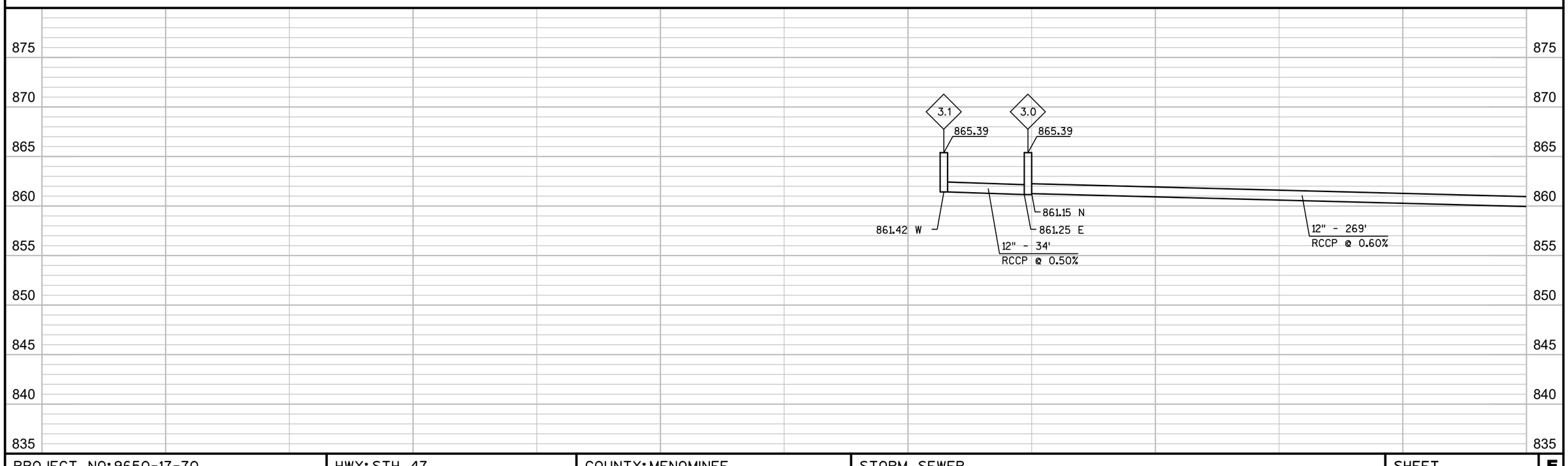

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E

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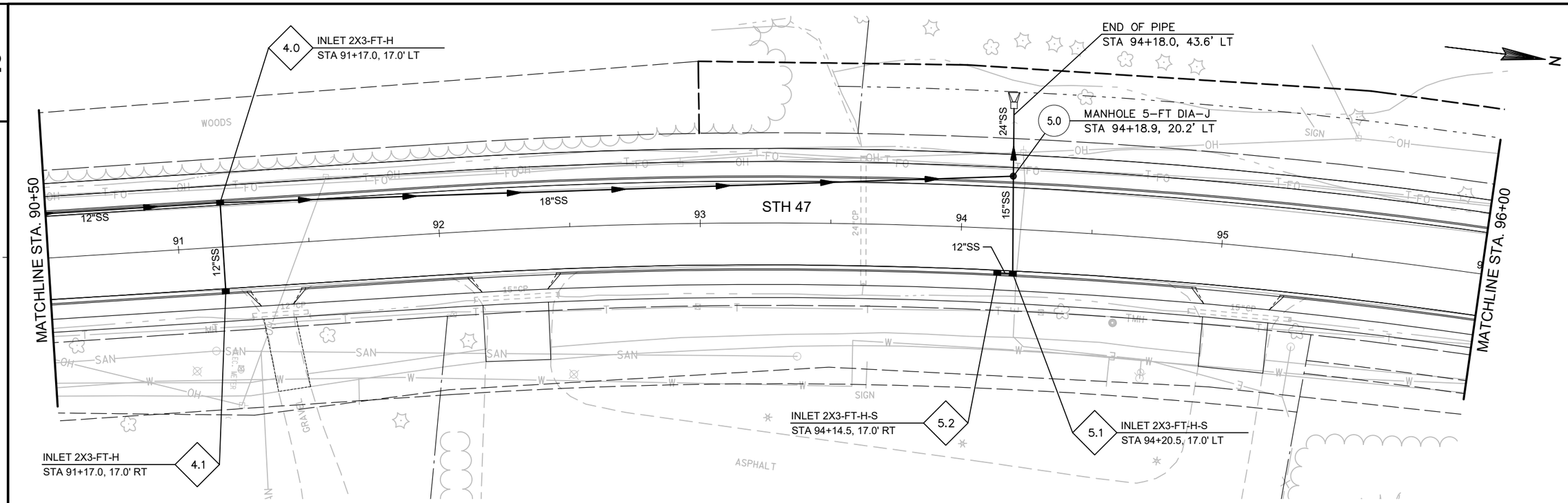
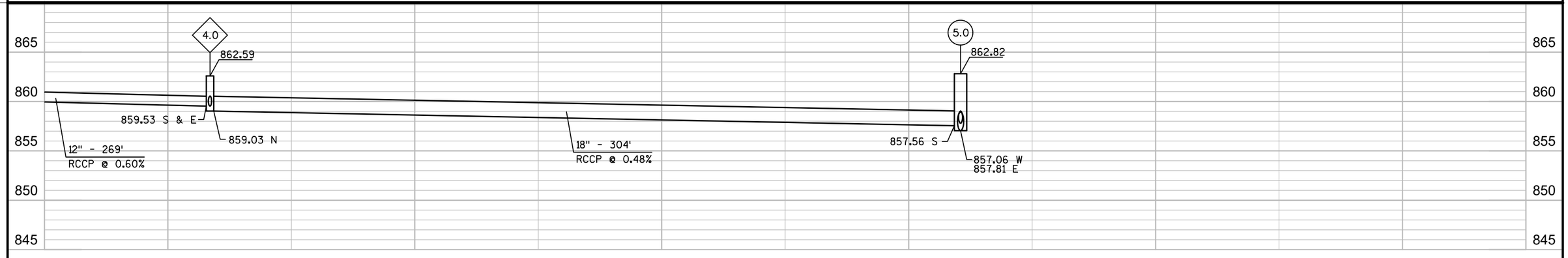
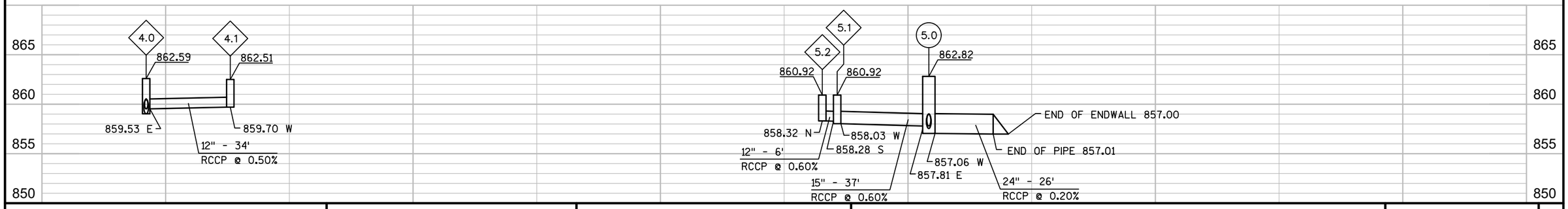
LAYOUT NAME - 0225_SS - 022502_SS
PLOT DATE : 10/2/2019 11:42 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : **********







PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E

END OF PIPE
STA 96+50.1, 46.1' LT

INLET 5–FT DIA–H
STA 97+19.9, 17.0' LT
6.0

INLET 5–FT DIA–H
STA 100+16.3, 17.0' LT
7.0

INLET MEDIAN 1 G–MSA
STA 101+81.1, 37.7' LT
52.1

INLET 5–FT DIA–H
STA 101+81.1, 17.0' LT
52.0

N

MATCHLINE STA. 96+00

MATCHLINE STA. 102+00

STH 47

36"SS

18"SS

15"SS

12"SS

30"SS

18" CP

ASPHALT

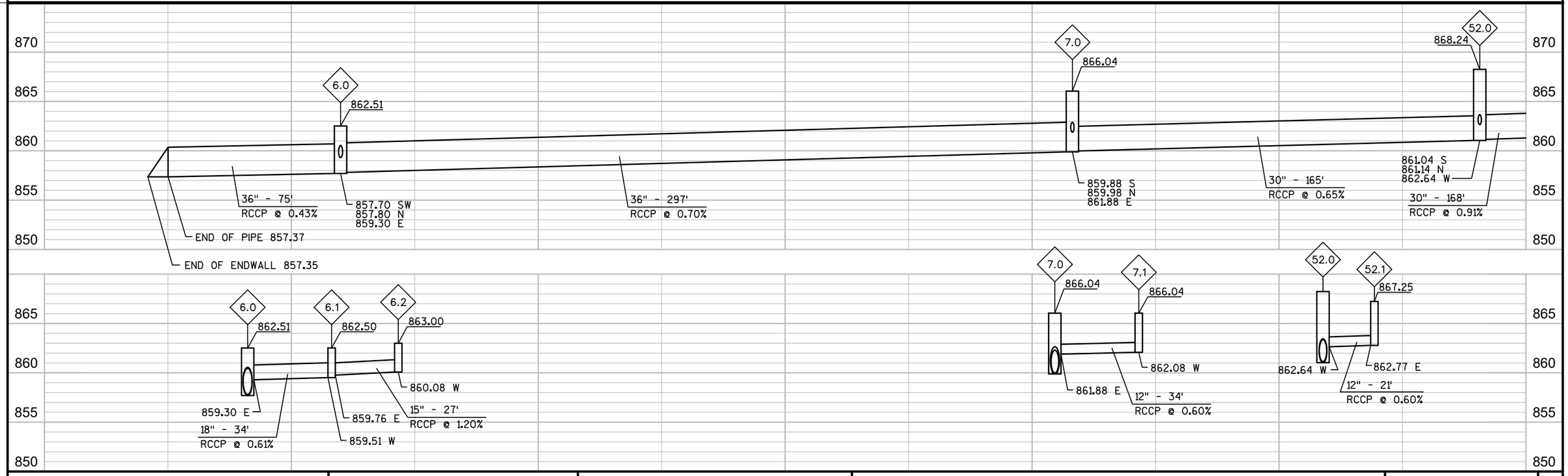
RIPRAP

WOODS

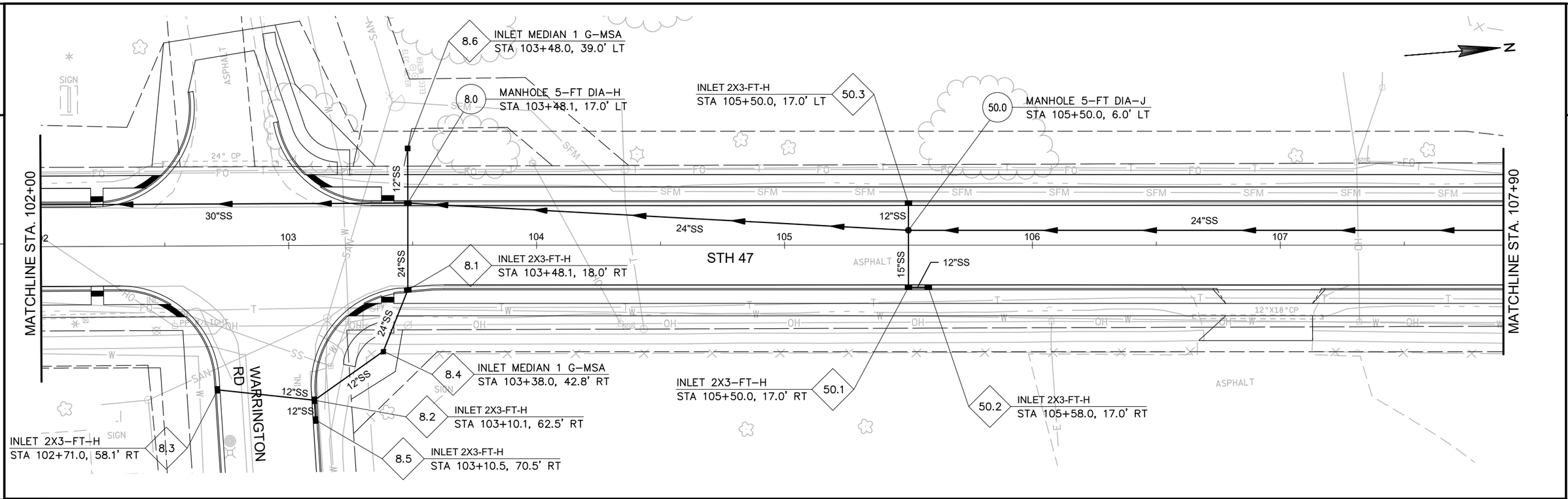
INLET 2X3-FT-H
STA 97+19.7, 17.0' RT
6.1

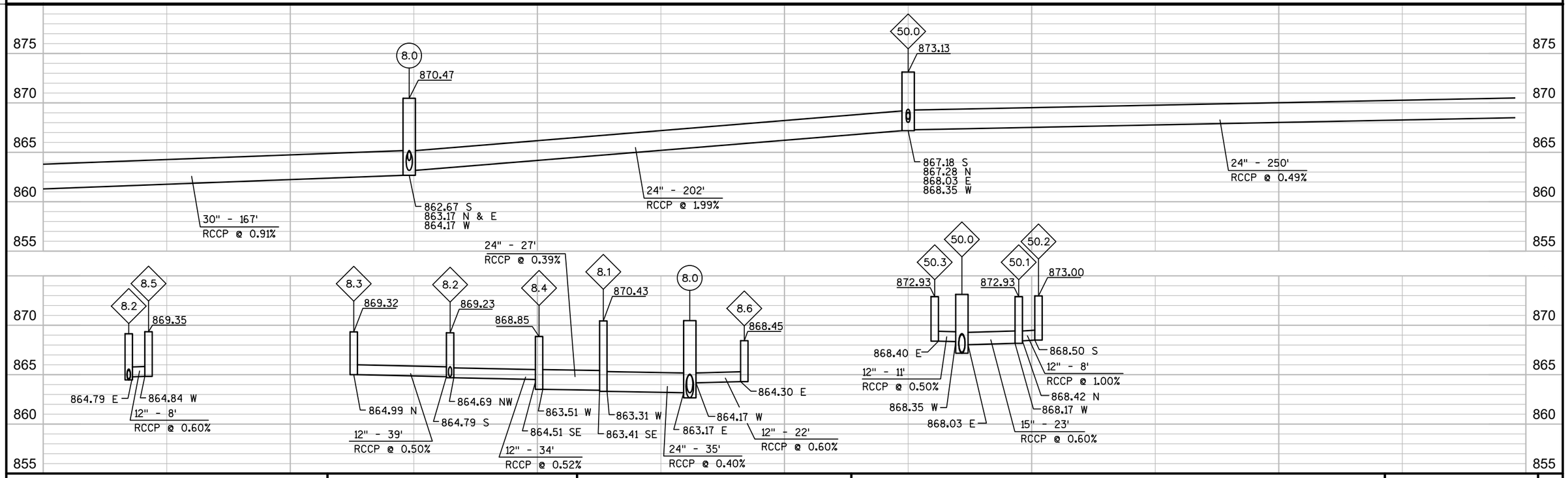
INLET MEDIAN 1 G–MSA
STA 97+19.7, 44.0' RT
6.2

INLET 2X3-FT-H
STA 100+16.3, 17.0' RT
7.1

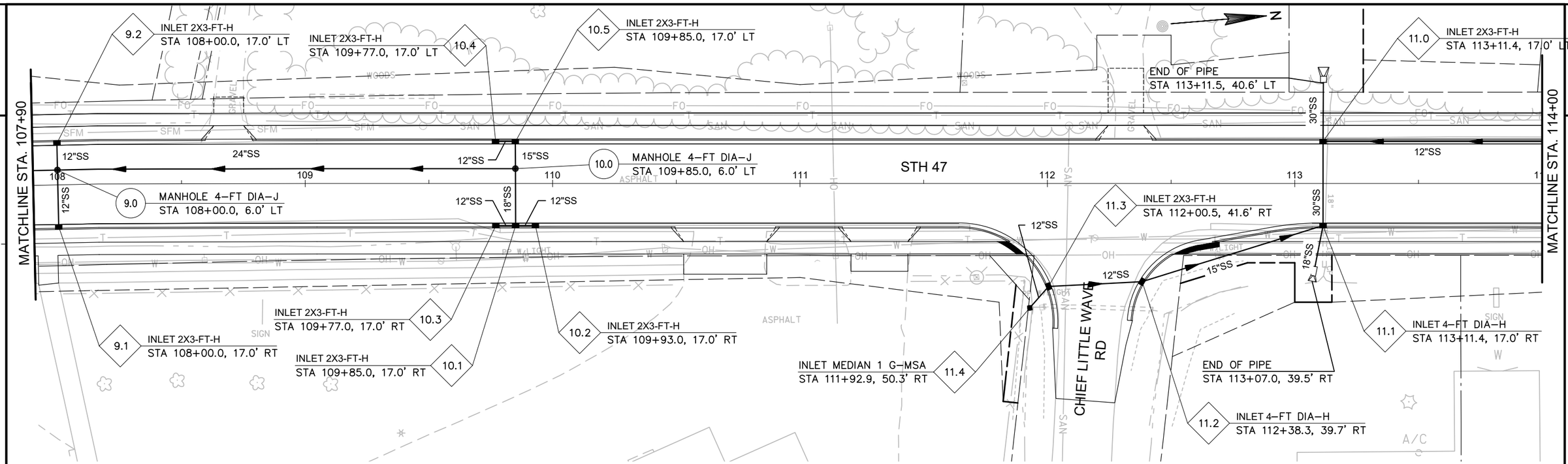


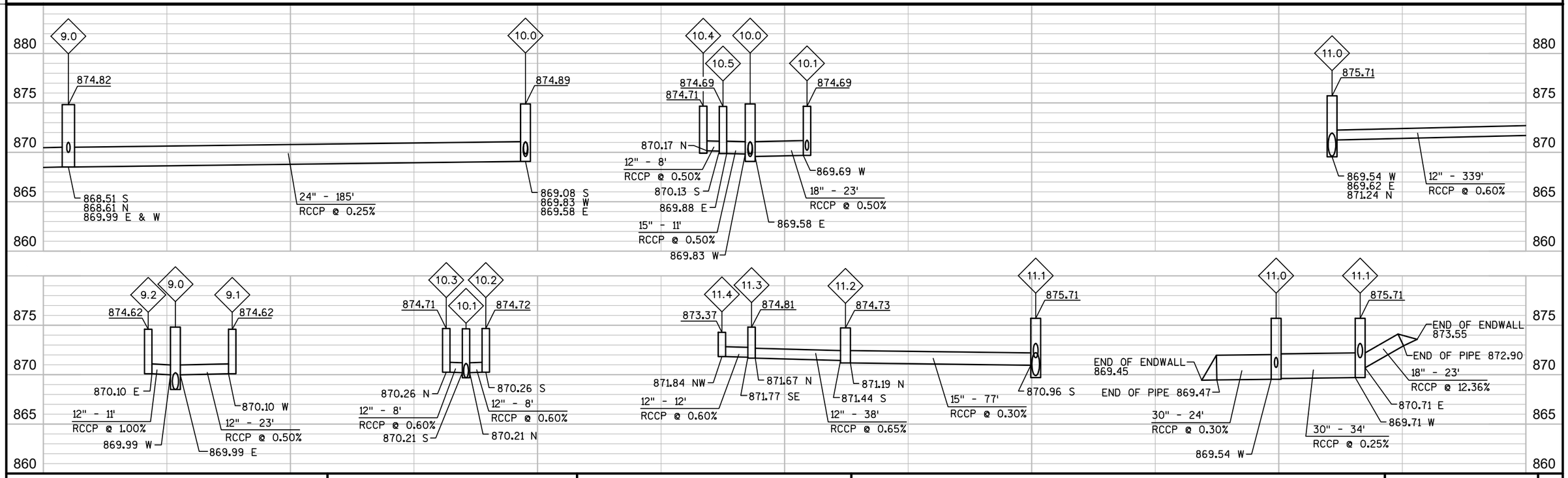
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E



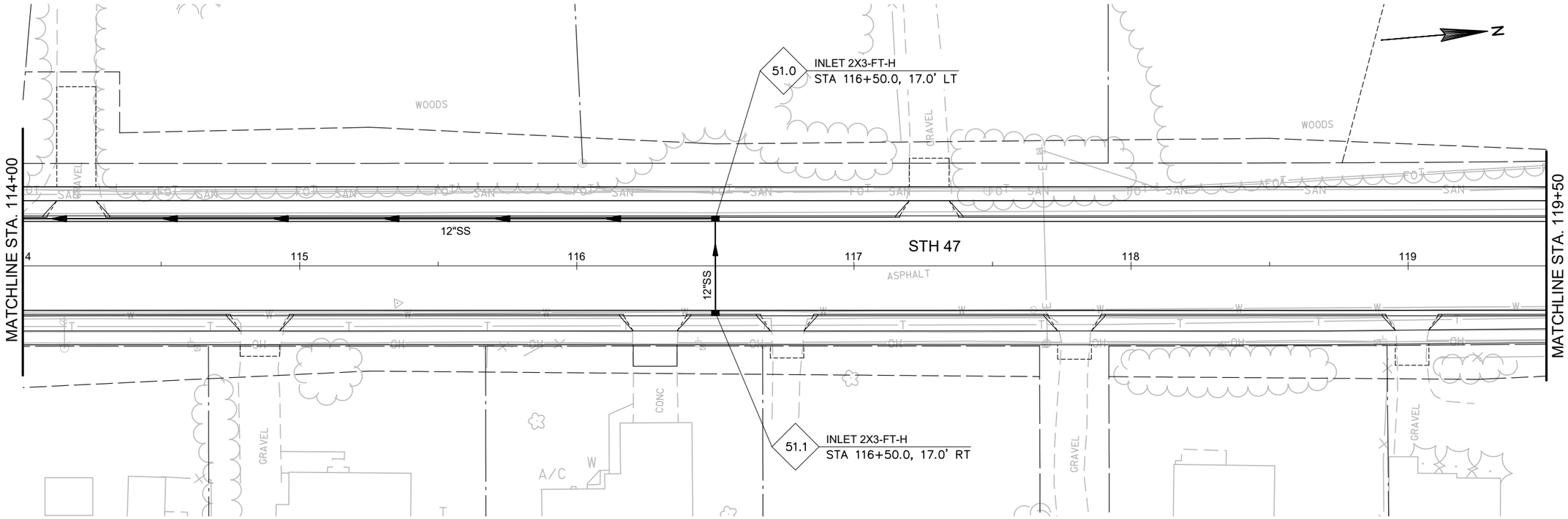


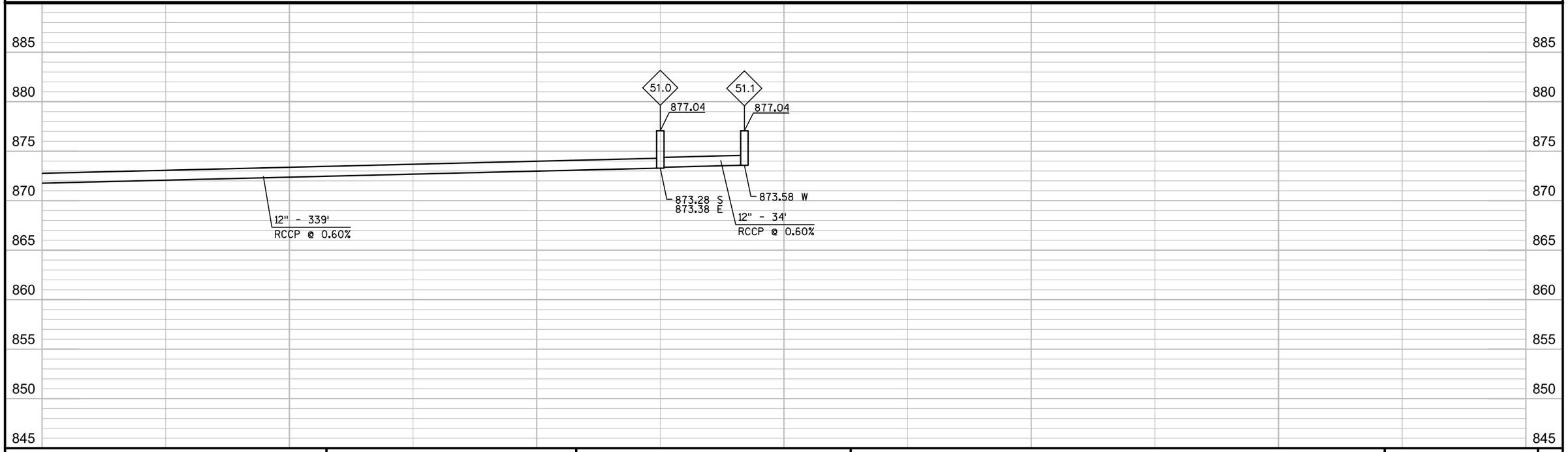
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E



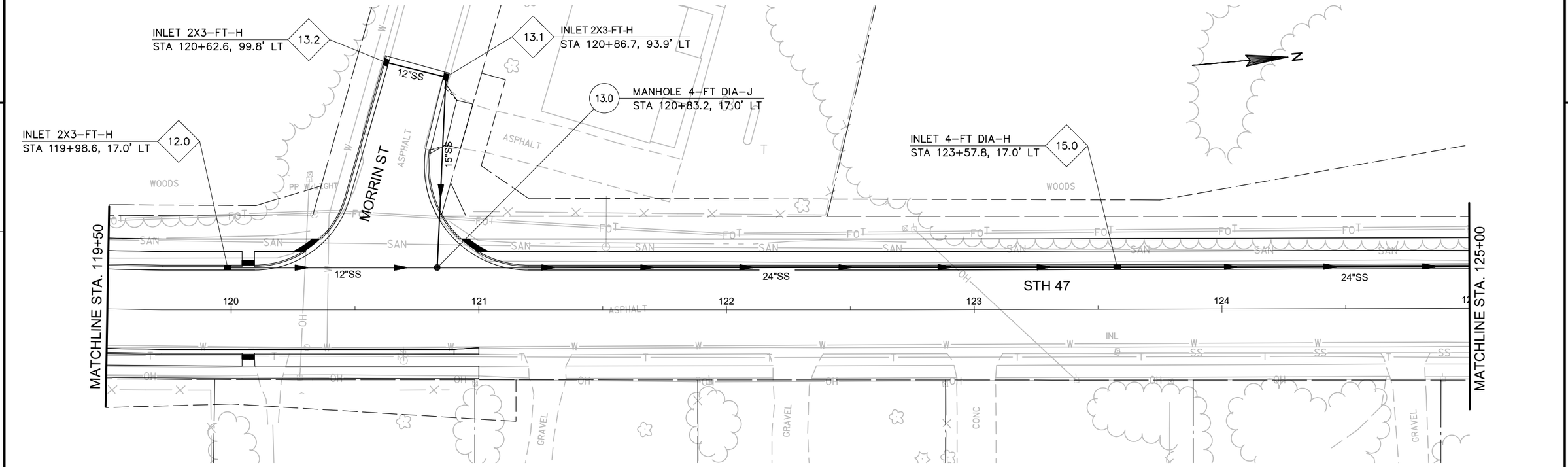


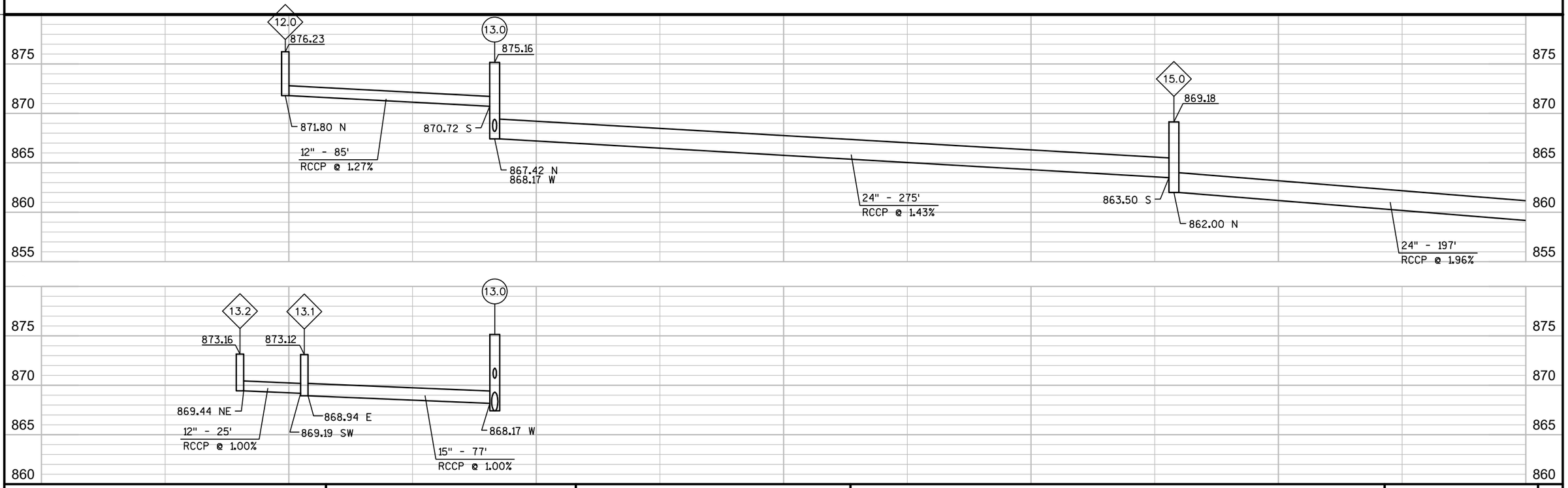
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E



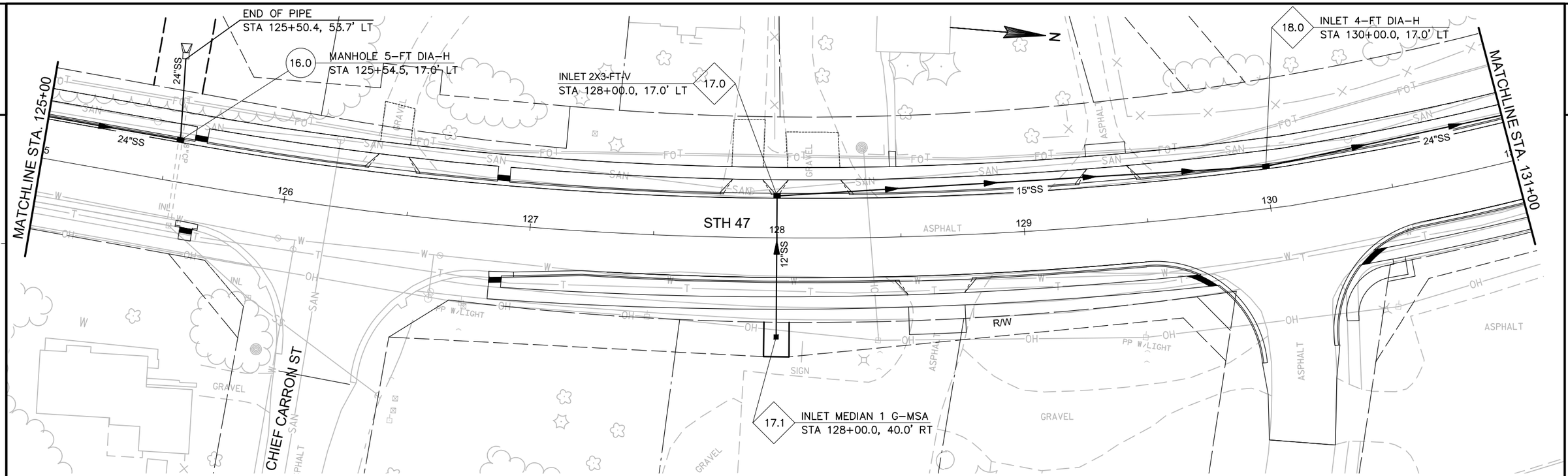


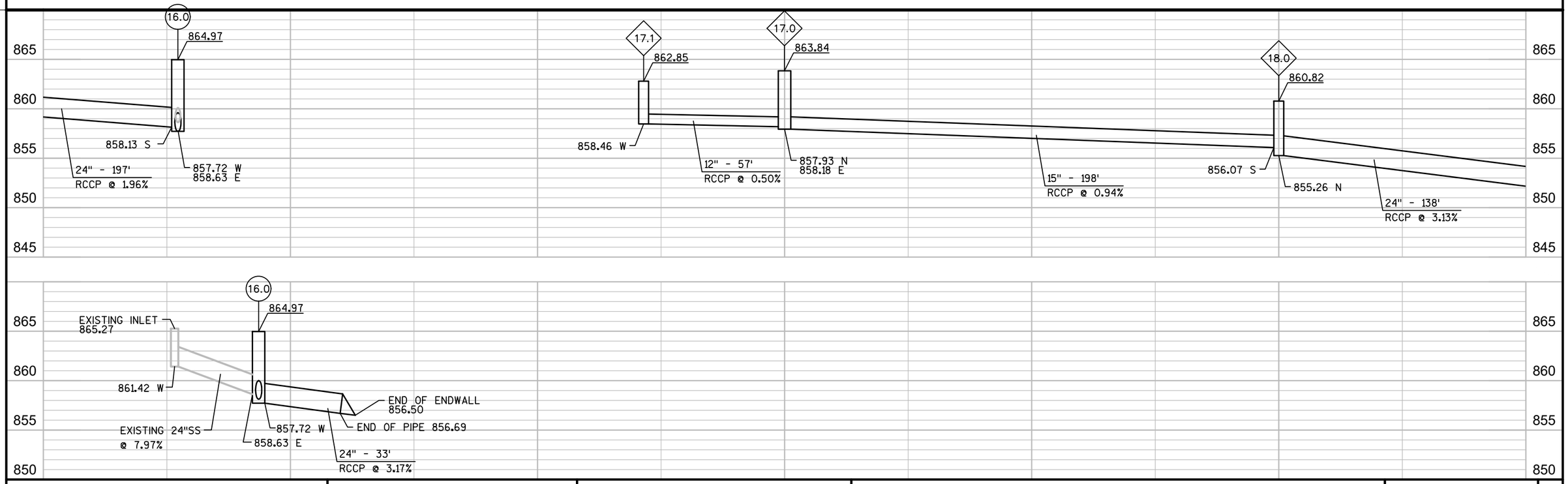
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E



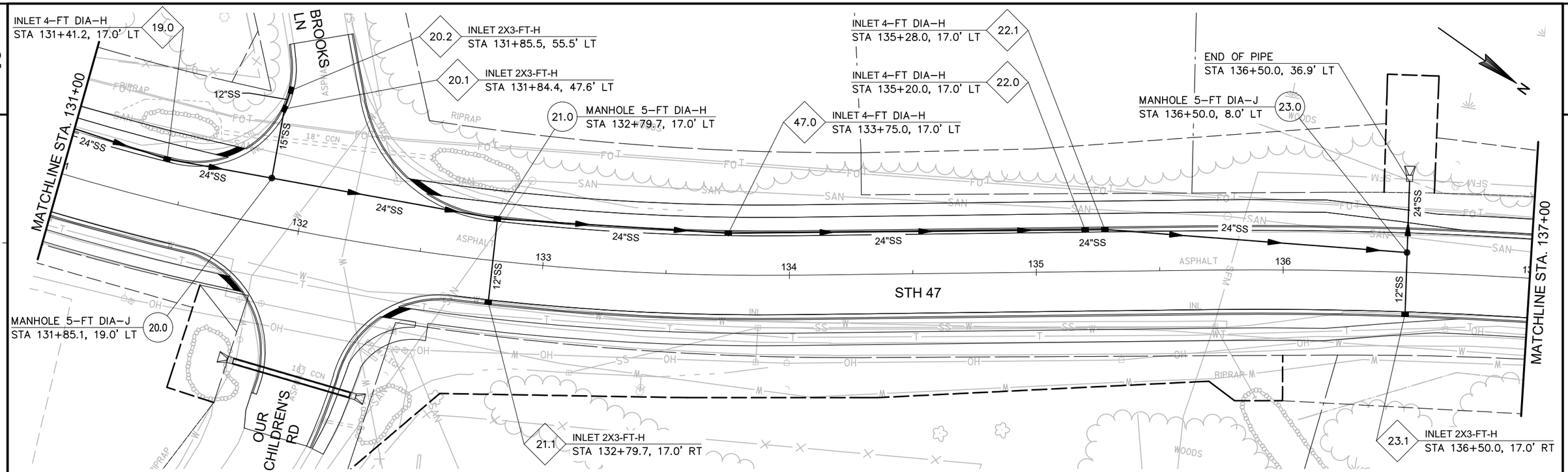


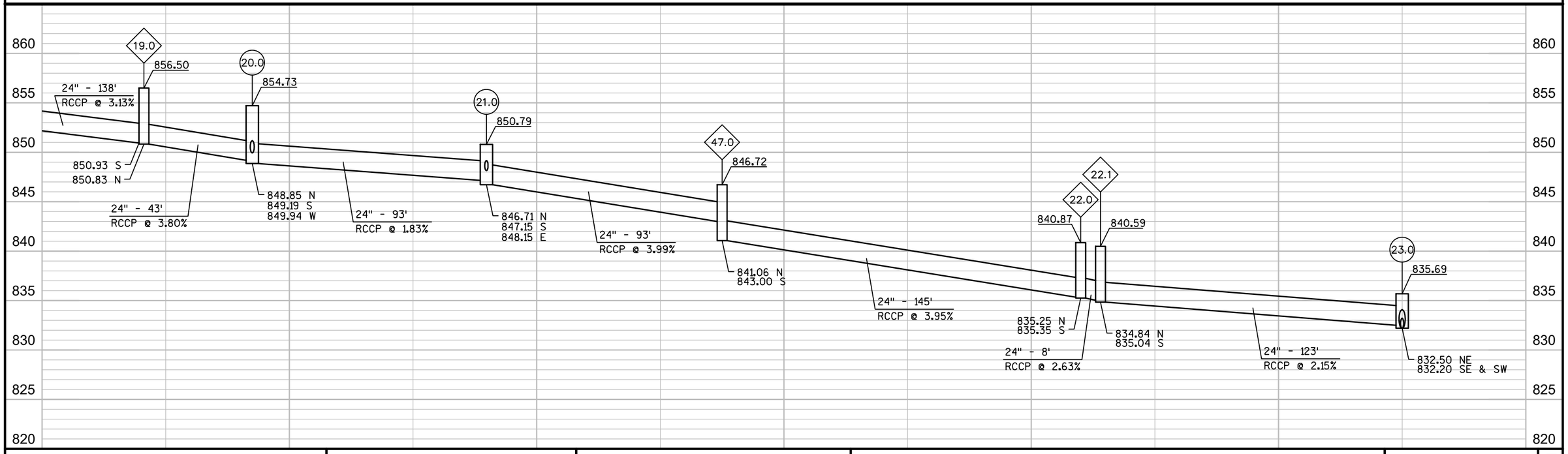
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E



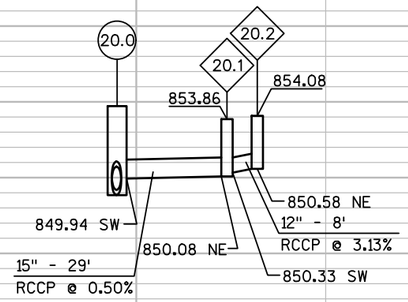


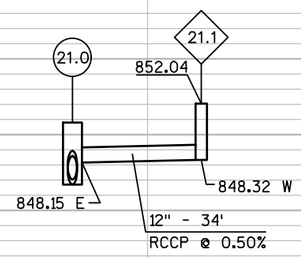
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E

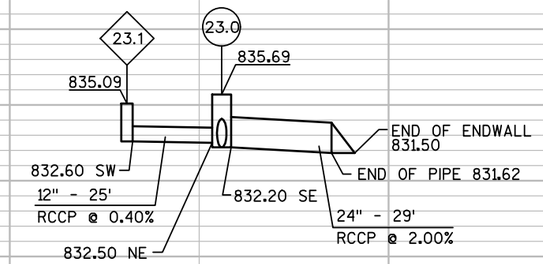




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E

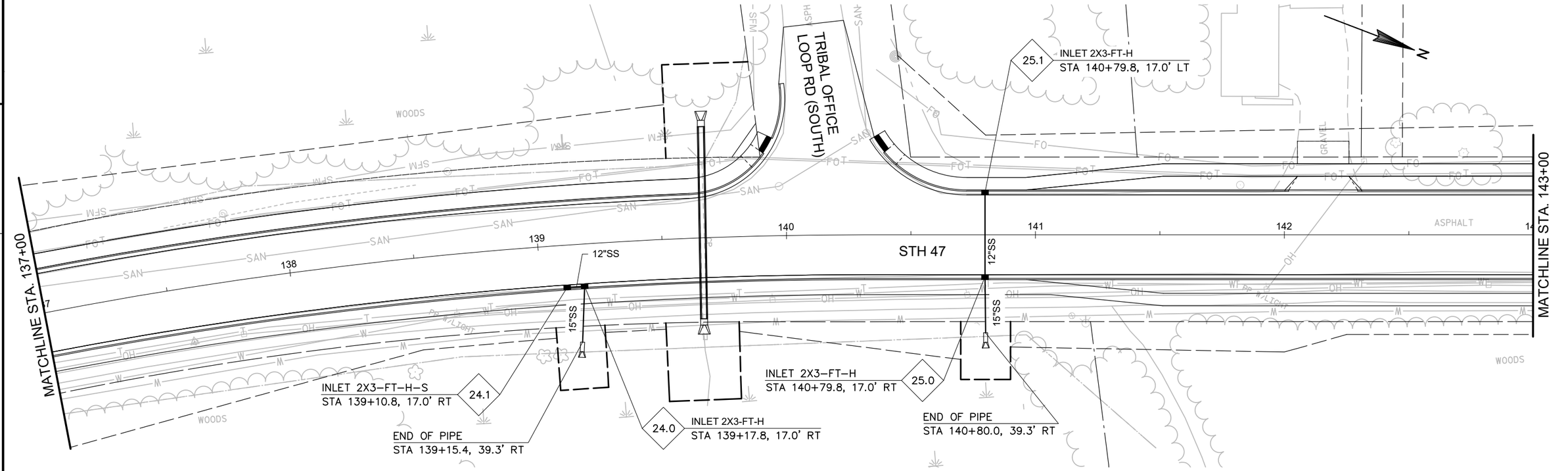


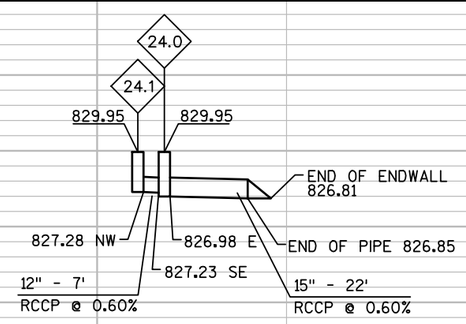


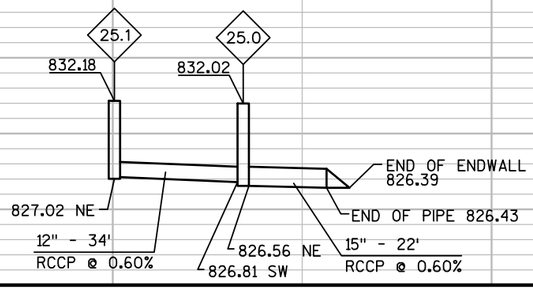


865 860 855 850 845 840 835 830 825 820

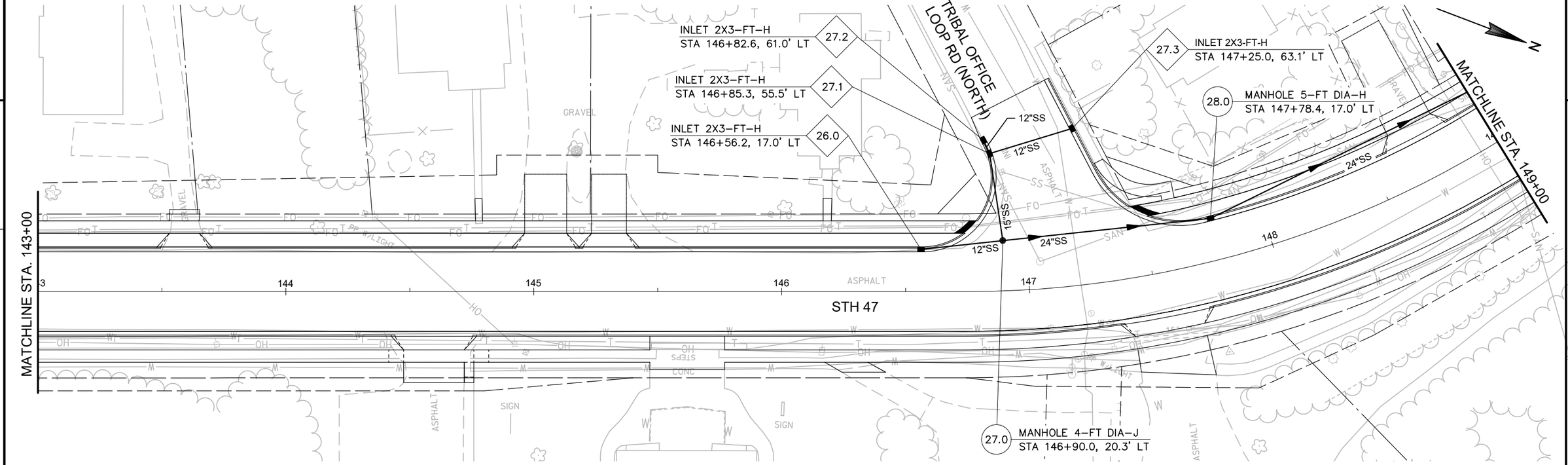
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E

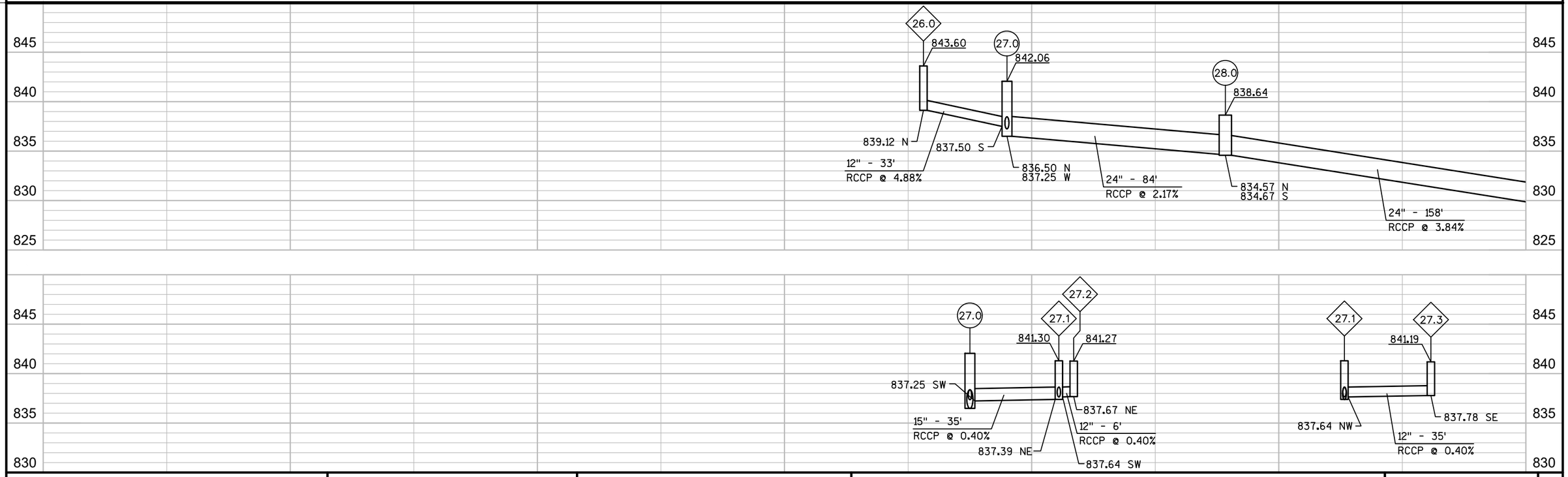




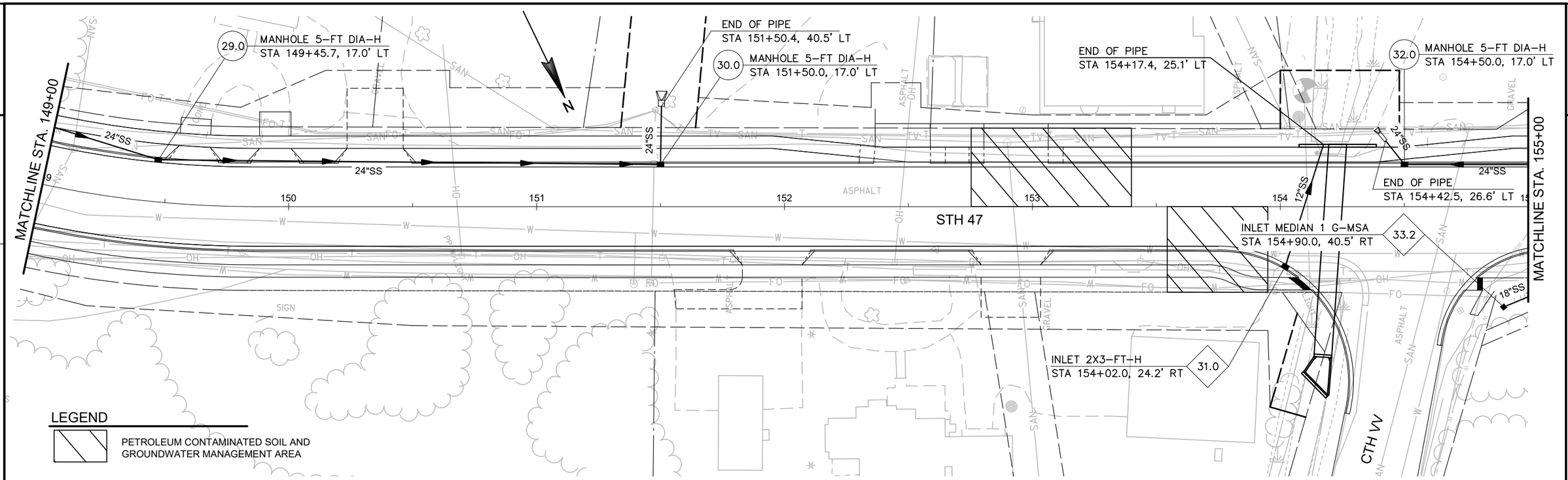


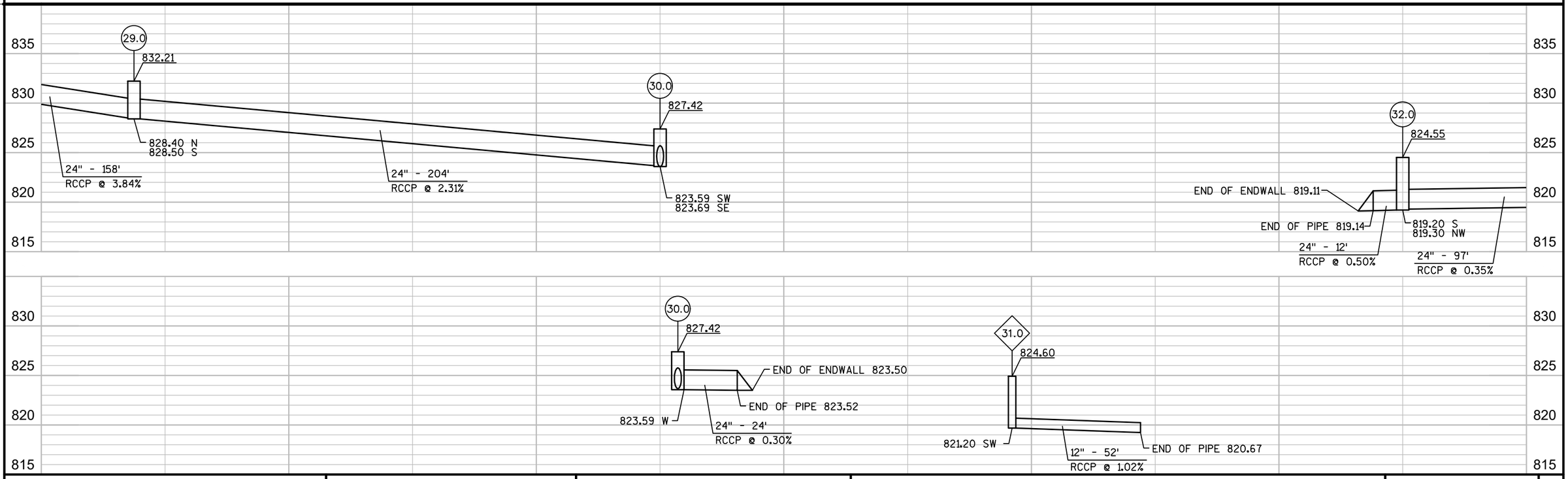
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E



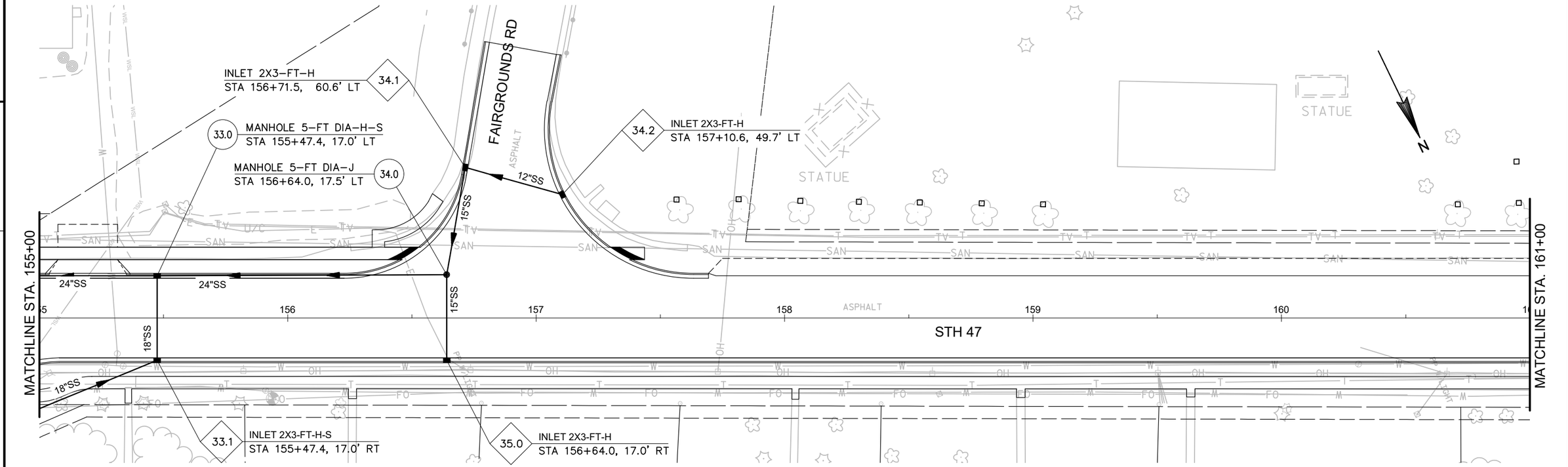


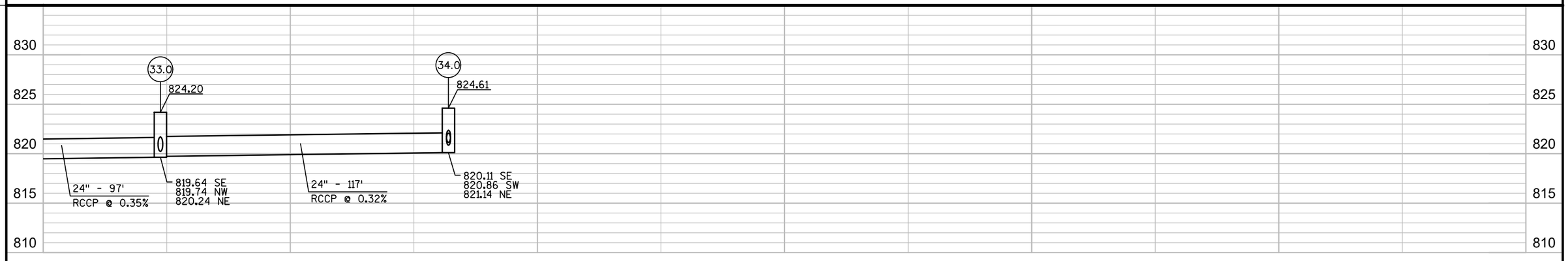
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E

MATCHLINE STA. 161+00

MANHOLE 5–FT DIA–J
STA 163+15.1, 21.4' LT
36.0

END OF PIPE
STA 163+15.6, 38.4' LT

MANHOLE 4–FT DIA–J
STA 165+14.7, 18.8' LT
37.0

38.0 INLET MEDIAN 1 G–MSA
STA 166+18.0, 30.8' LT

LYONS RD

MATCHLINE STA. 167+00

STH 47

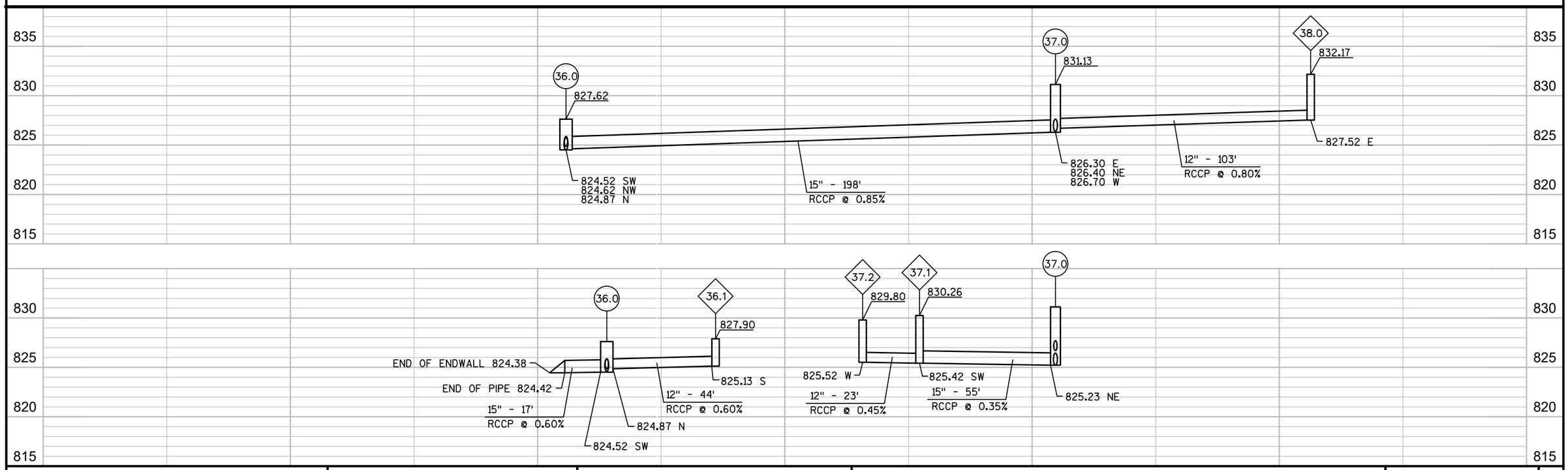
INLET 2X3-FT-H
STA 163+36.6, 17.0' RT
36.1

BLACKSMITH RD

37.1 INLET MEDIAN 1 G–MSA
STA 165+11.0, 35.7' RT

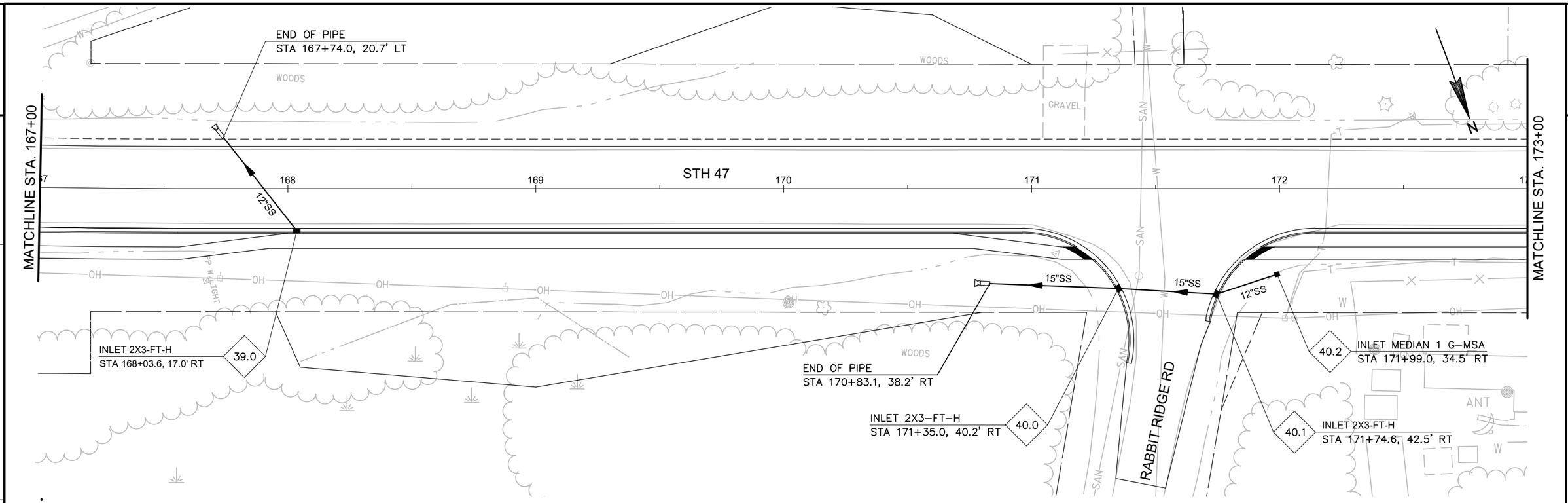
37.2 INLET 2X3-FT-H
STA 164+91.2, 45.4' RT

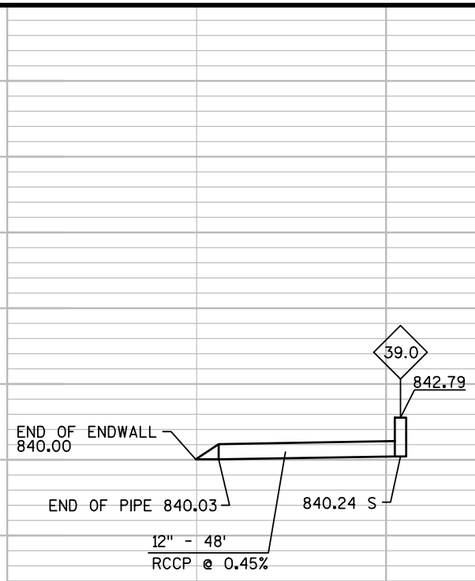
15"SS
12"SS
ASPHALT
WOODS
N

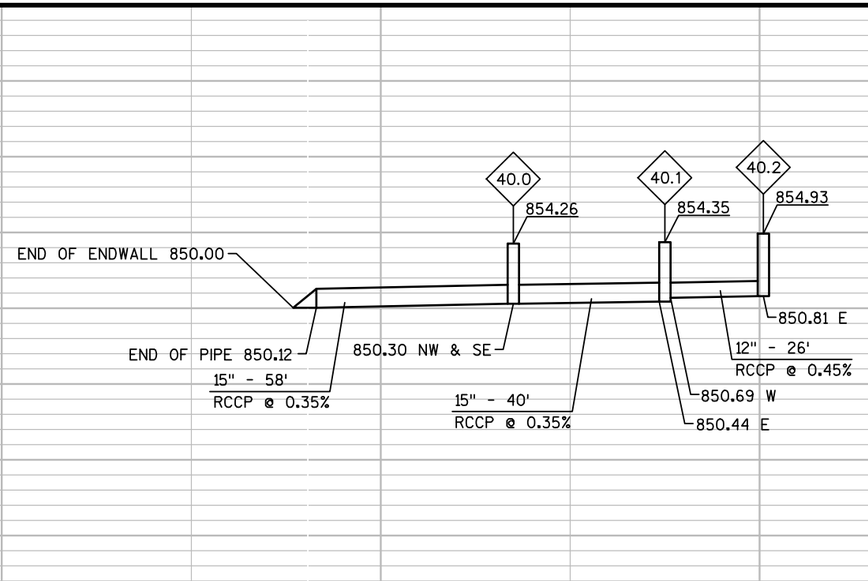


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET E

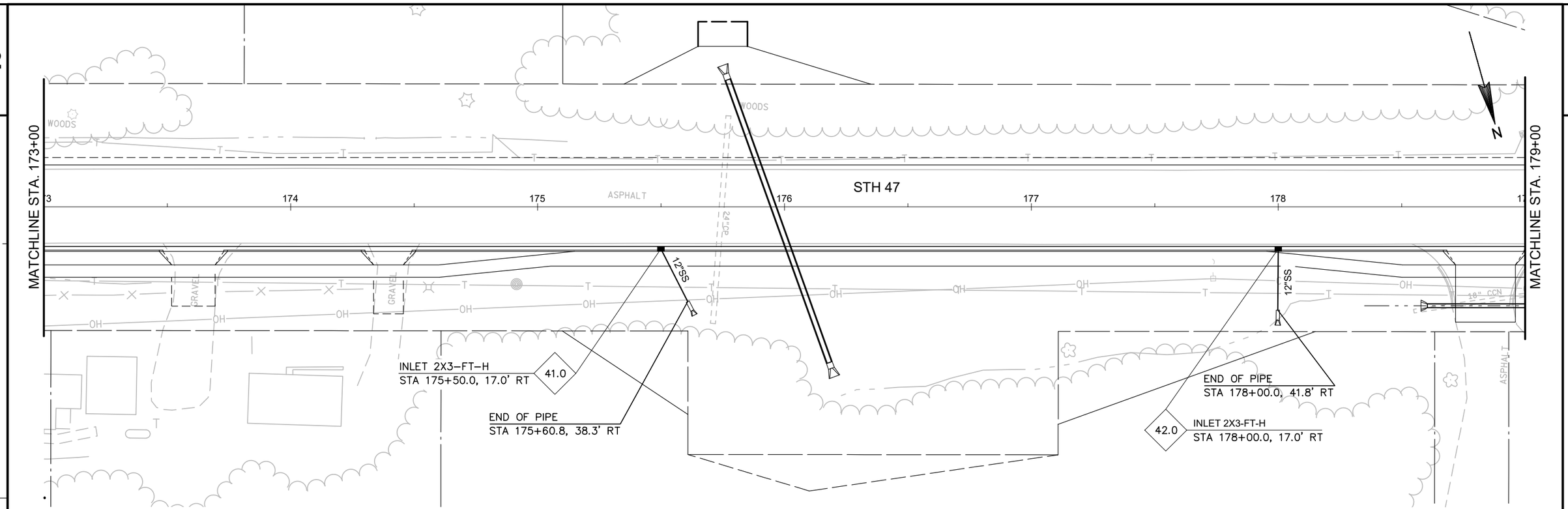
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0225_SS.DWG PLOT DATE : 10/2/2019 11:47 AM PLOT BY : DOLAN, ISAAC PLOT NAME :

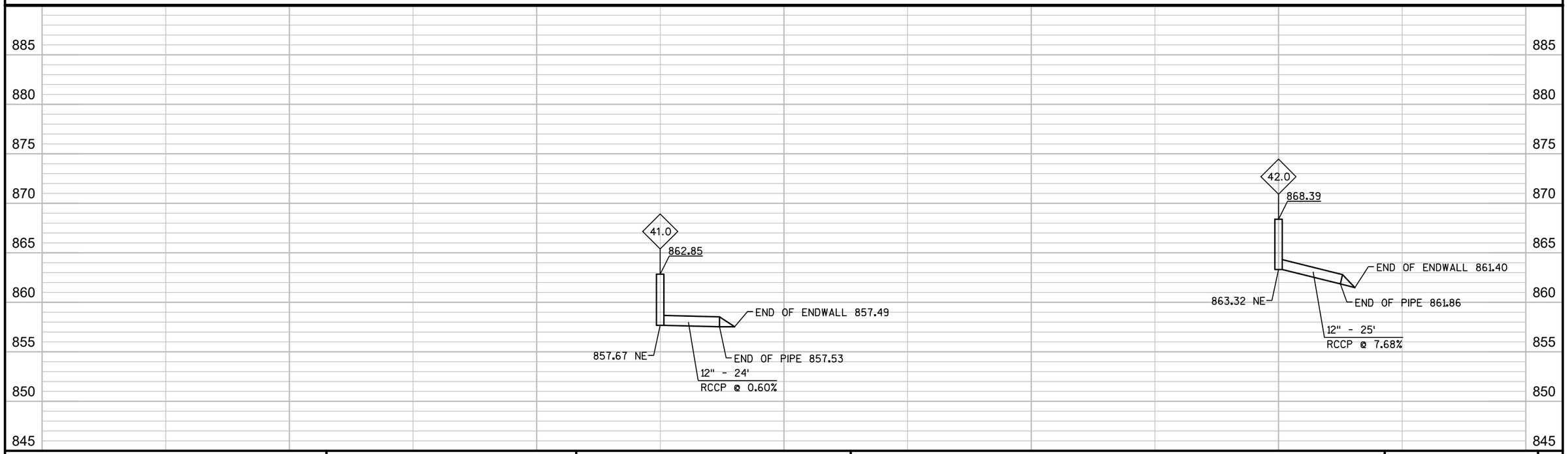






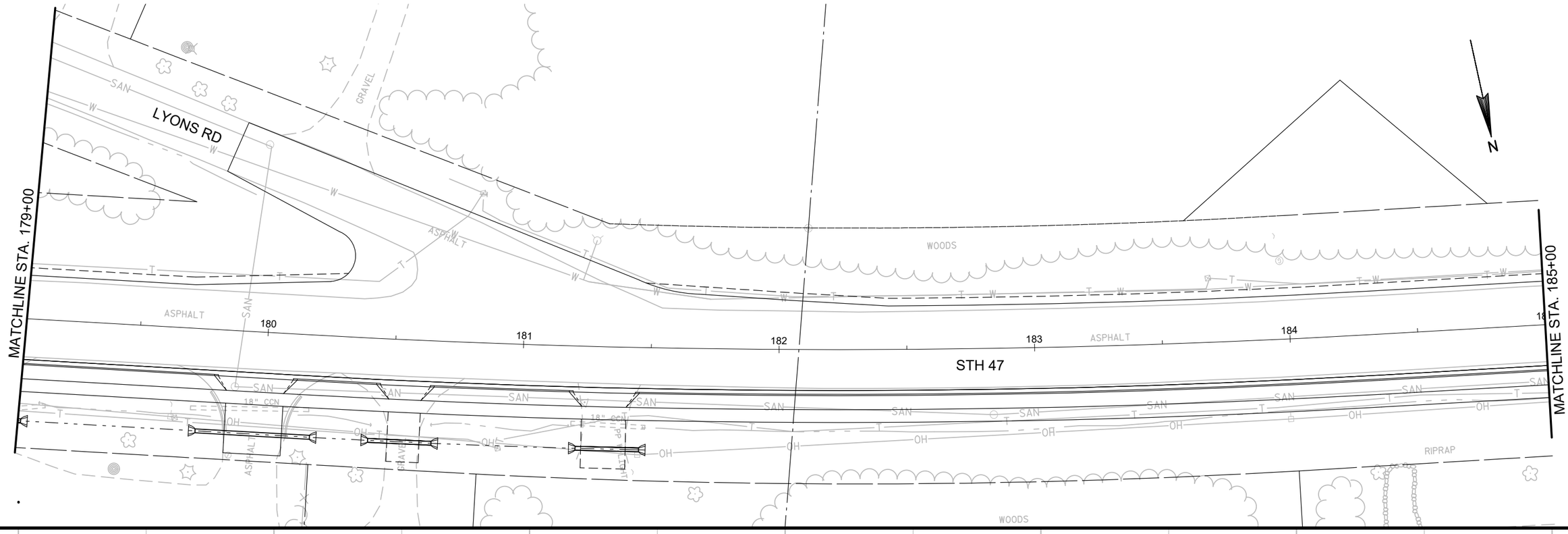
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E

2



890
885
880
875
870
865
860
855
850

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E

END OF PIPE
STA 185+25.0, 37.9' LT

END OF PIPE
STA 188+79.5, 30.7' LT

MATCHLINE STA. 185+00

MATCHLINE STA. 191+00

12"SS

12"SS

STH 47

186 187 188 189 190

WOODS

WOODS

SFM

SFM

GRAVEL

LARGE

SAN

SAN

OH

SIGN

SIGN

CRAVEL

43.0

INLET 2X3-FT-H
STA 185+25.0, 17.0' RT

INLET 2X3-FT-H
STA 188+84.0, 17.0' RT

44.0

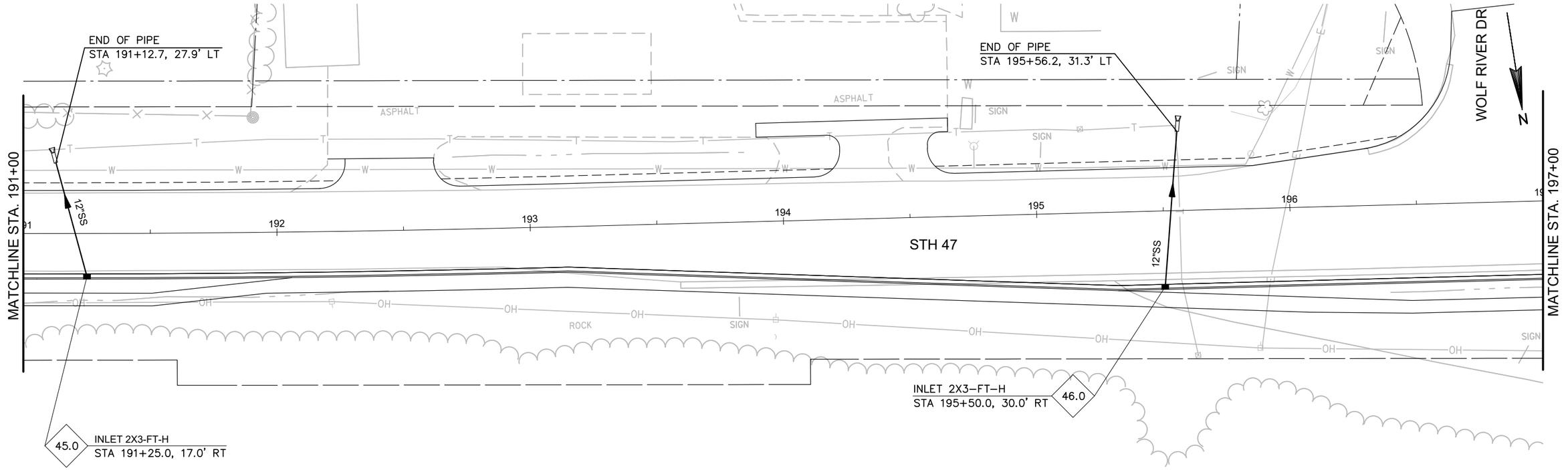
N

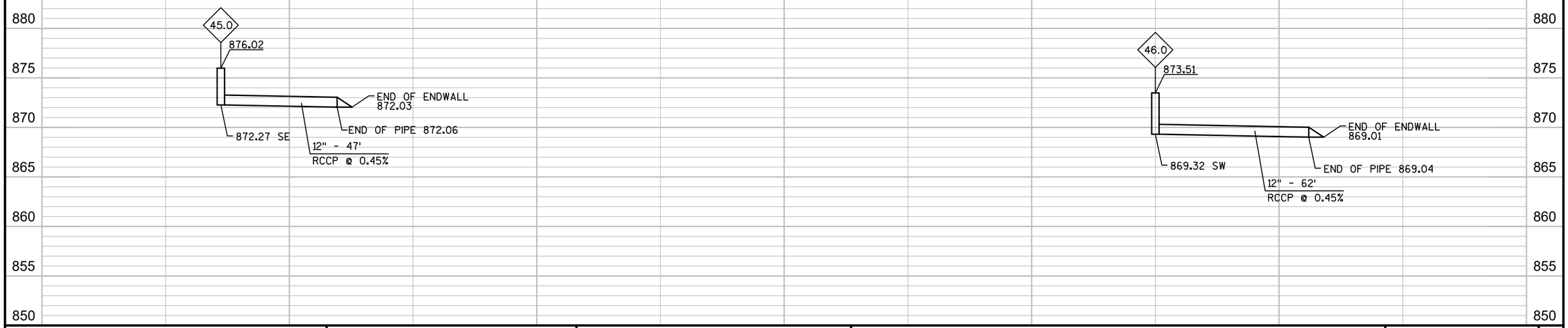
43.0
876.62
END OF ENDWALL 871.00
871.36 S
12" - 55'
RCCP @ 0.60%
END OF PIPE 871.03

44.0
876.70
END OF ENDWALL
871.50
END OF PIPE 871.53
871.82 S
12" - 48'
RCCP @ 0.60%

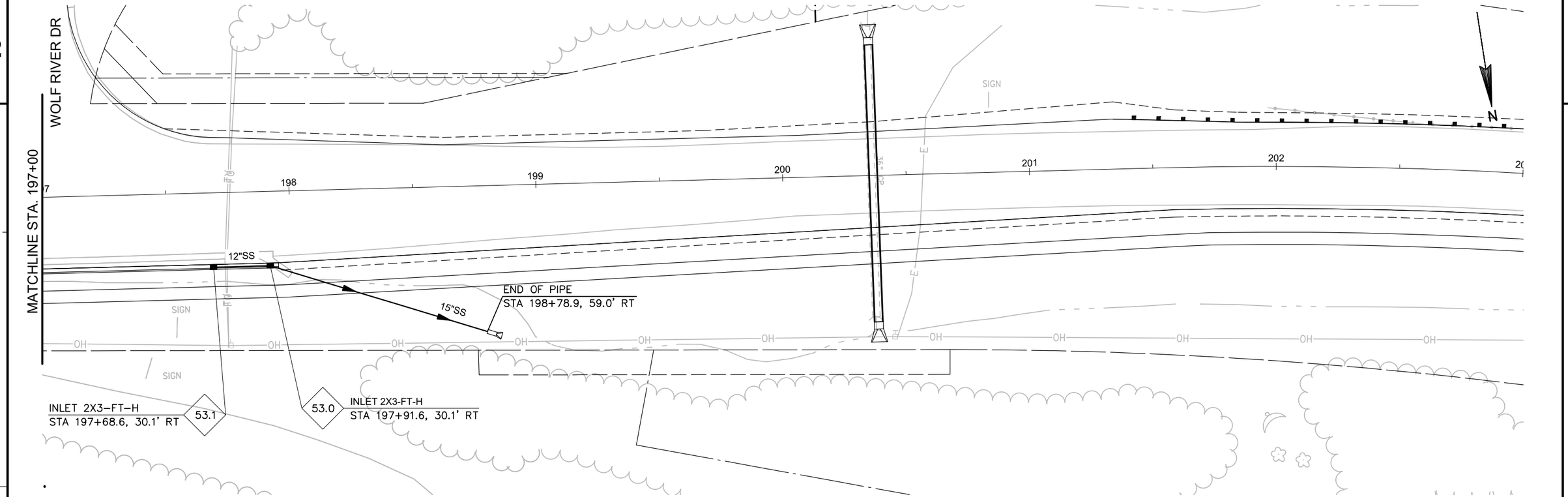
890 885 880 875 870 865 860 855 850

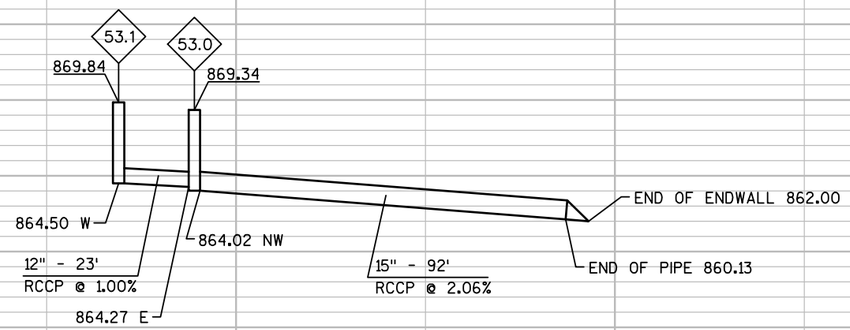
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E





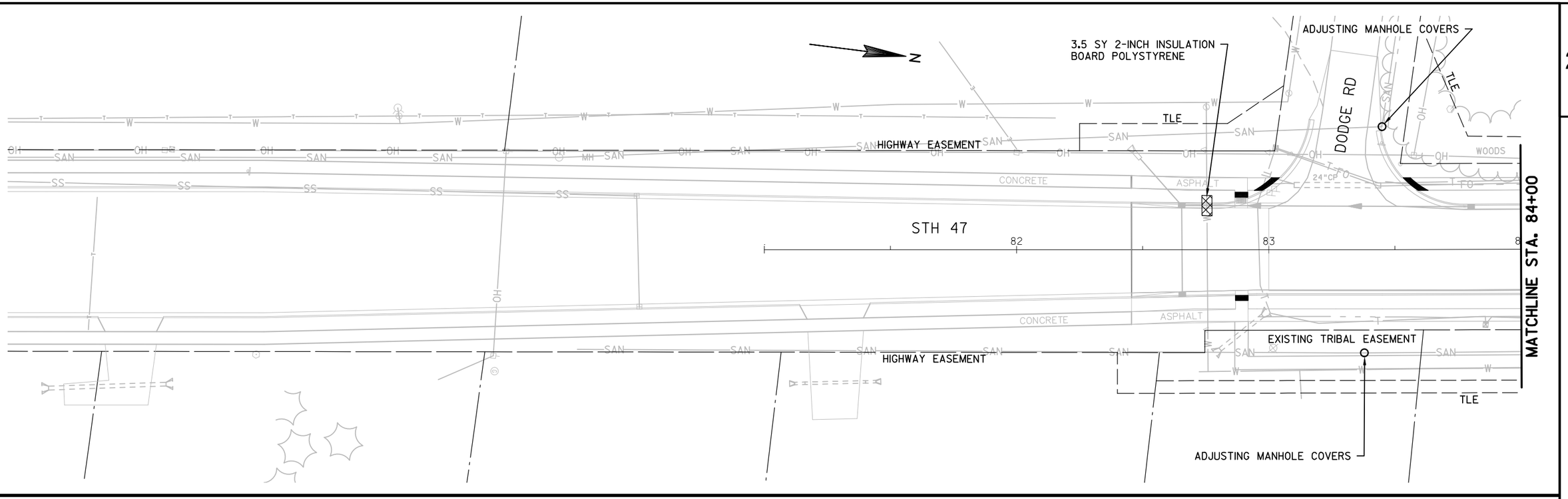
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E

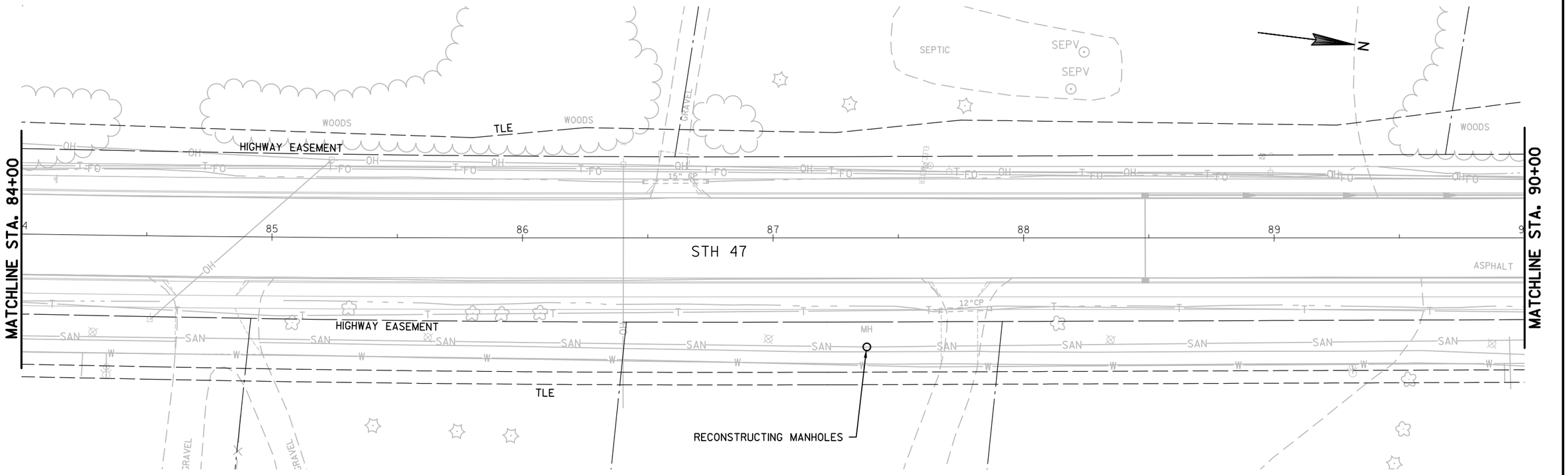




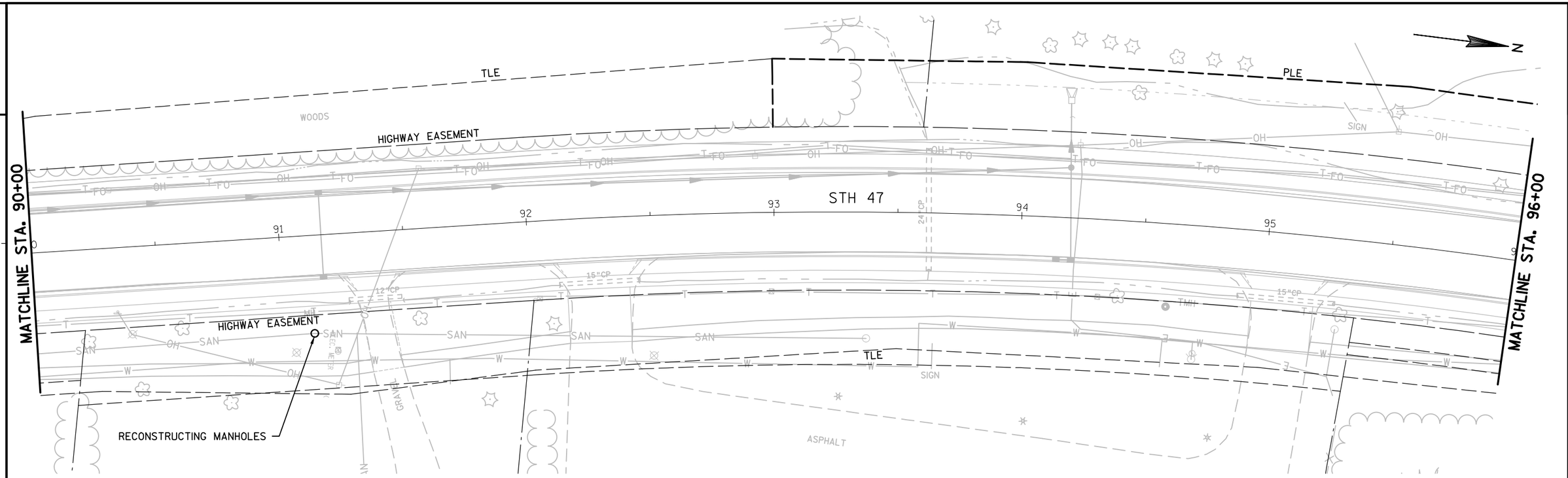
890 885 880 875 870 865 860 855 850

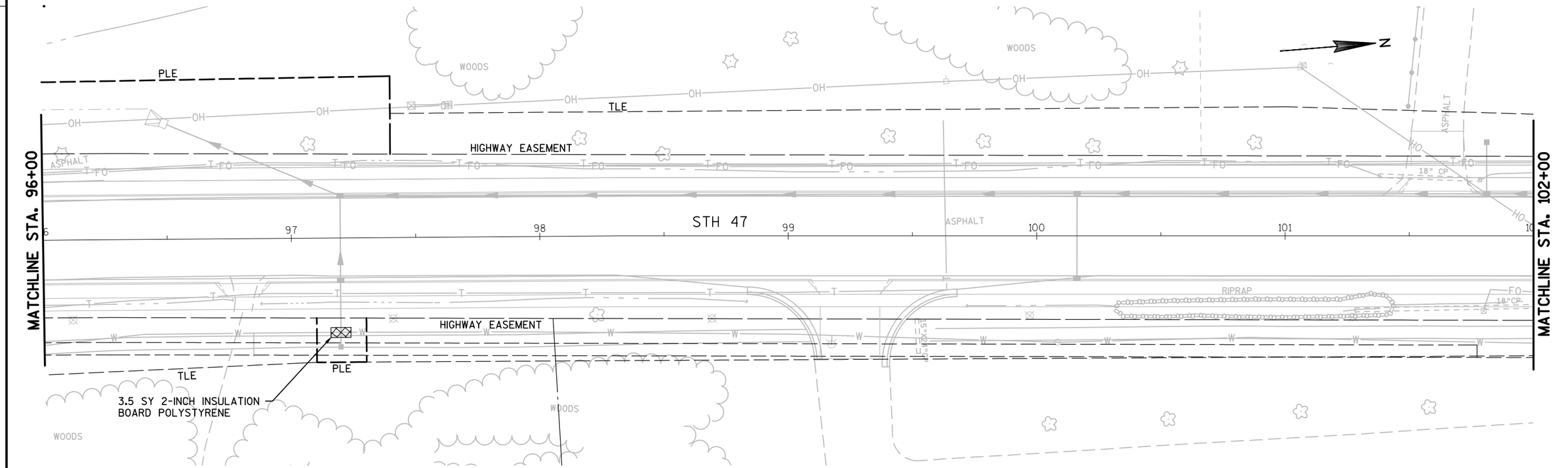
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	STORM SEWER	SHEET	E



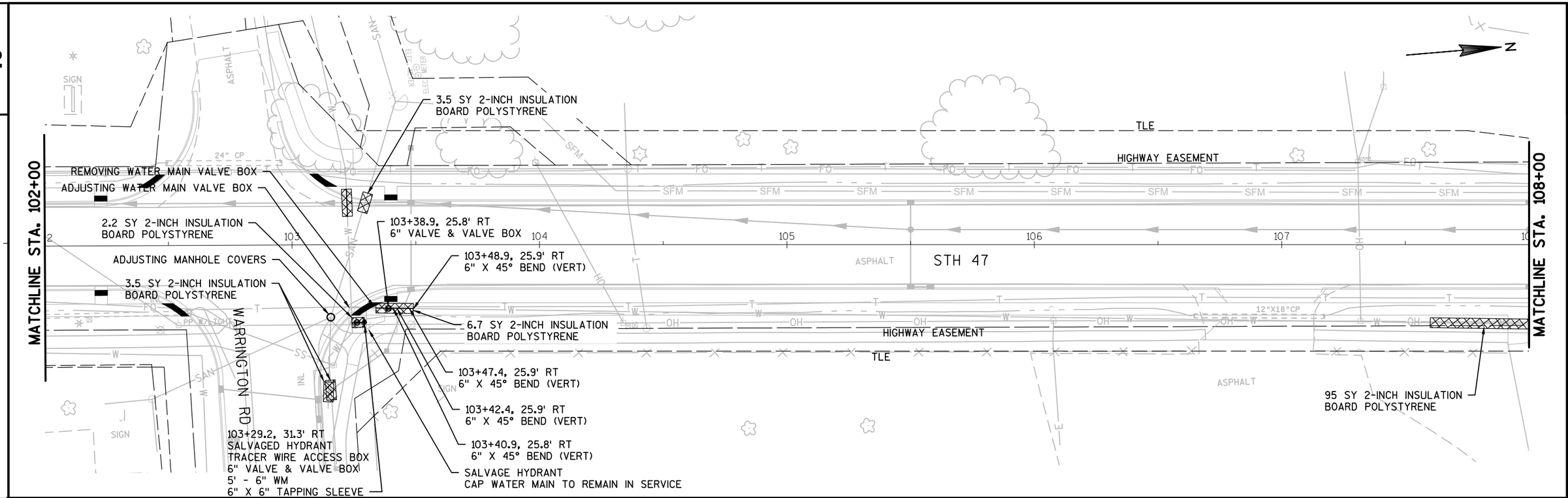


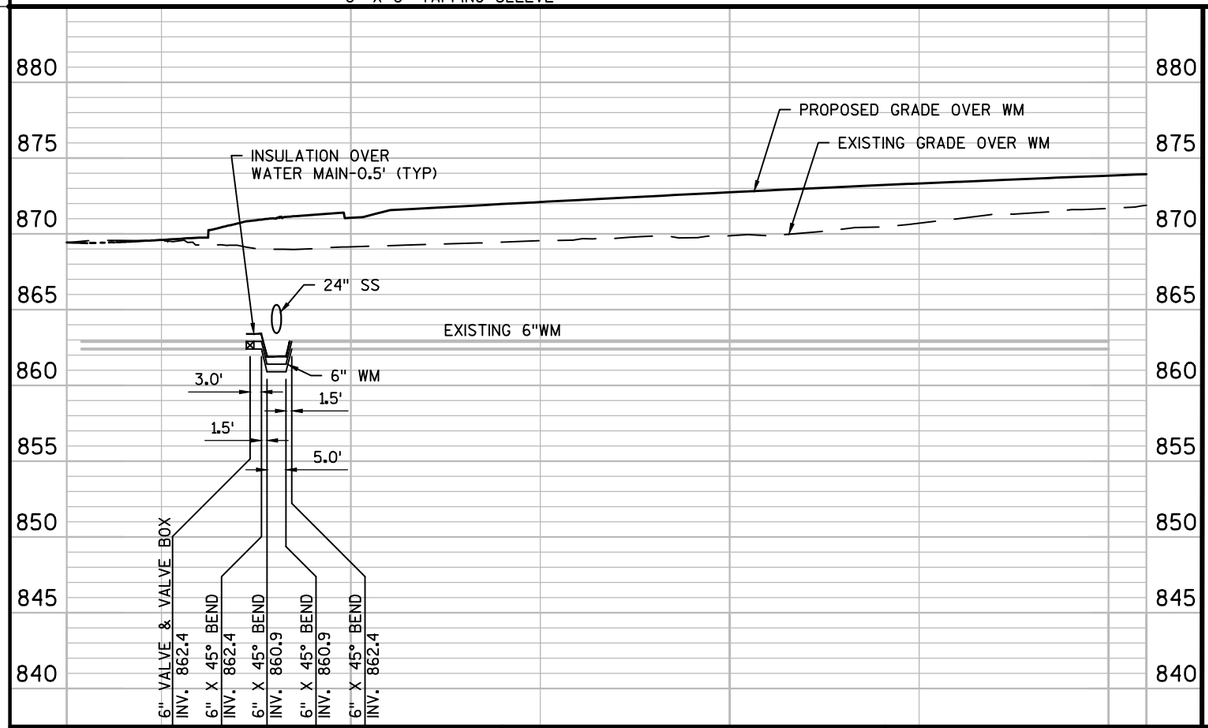
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	UTILITY IMPROVEMENTS	SHEET	E





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	UTILITY IMPROVEMENTS	SHEET	E





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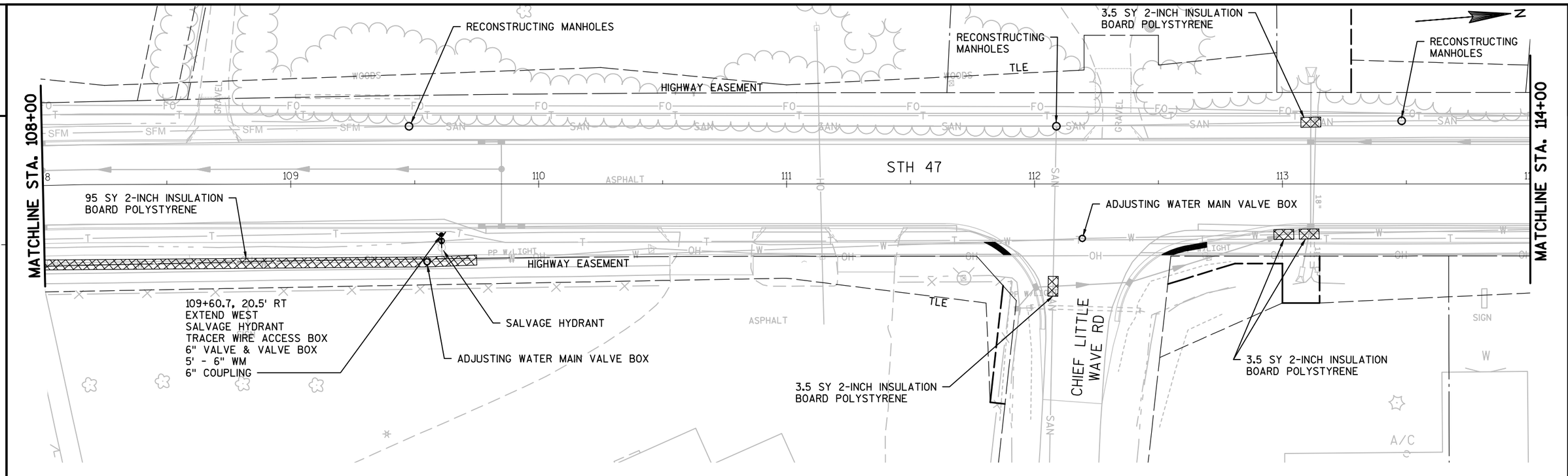

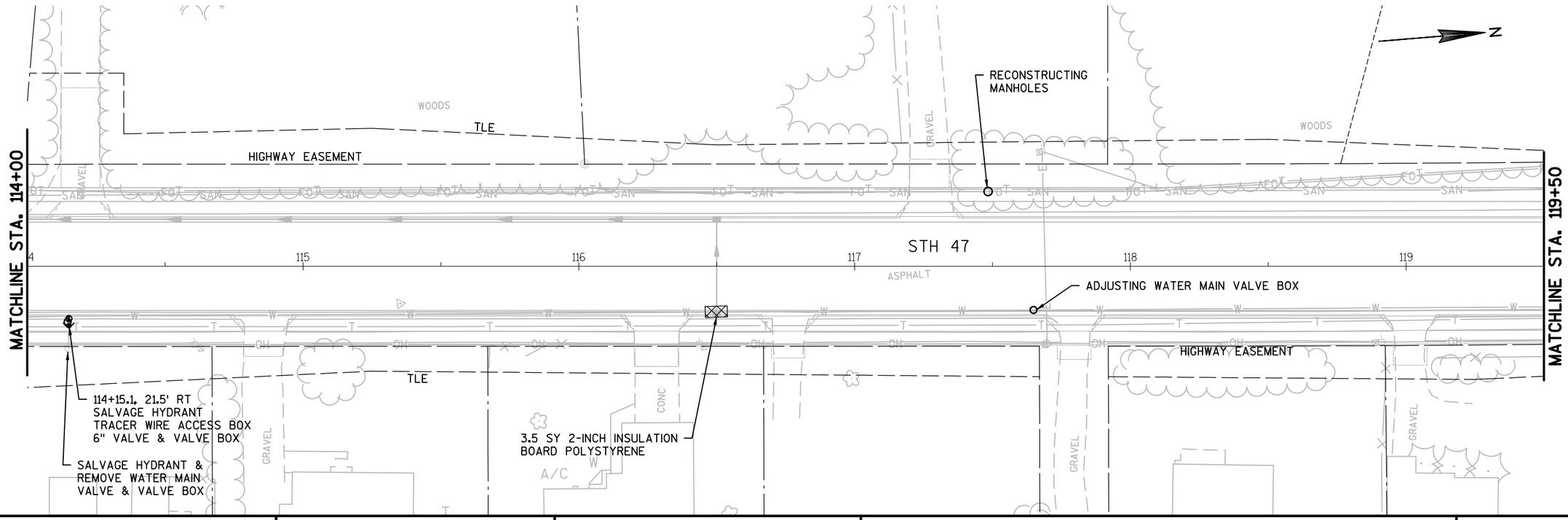

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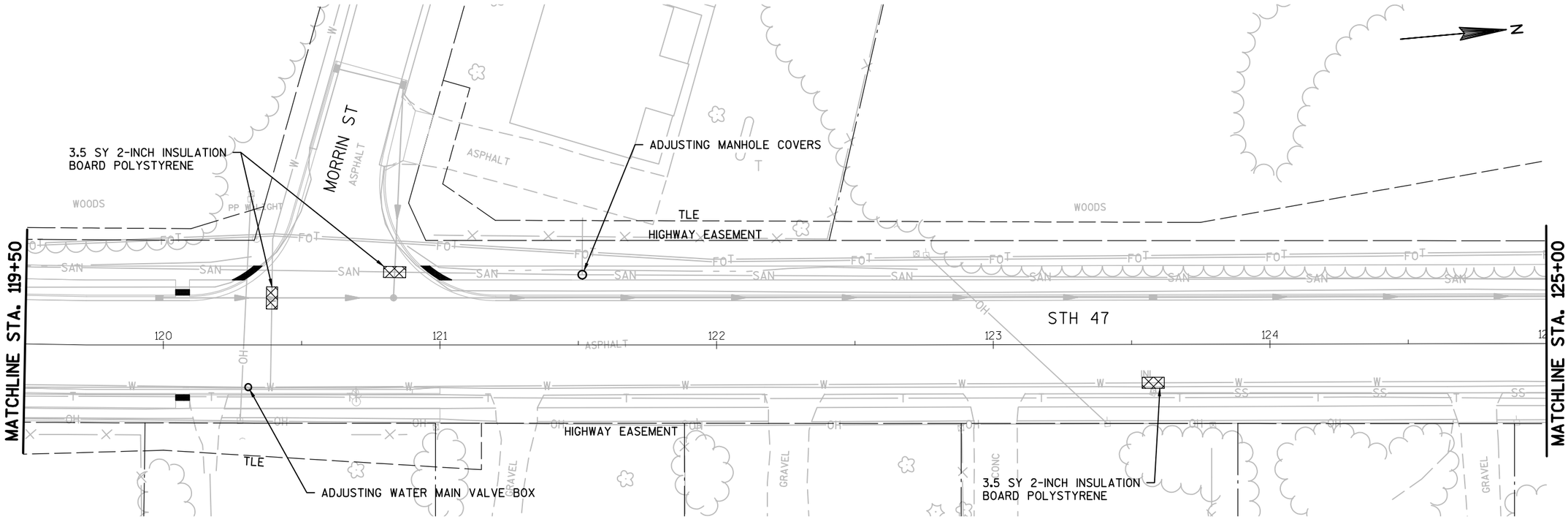

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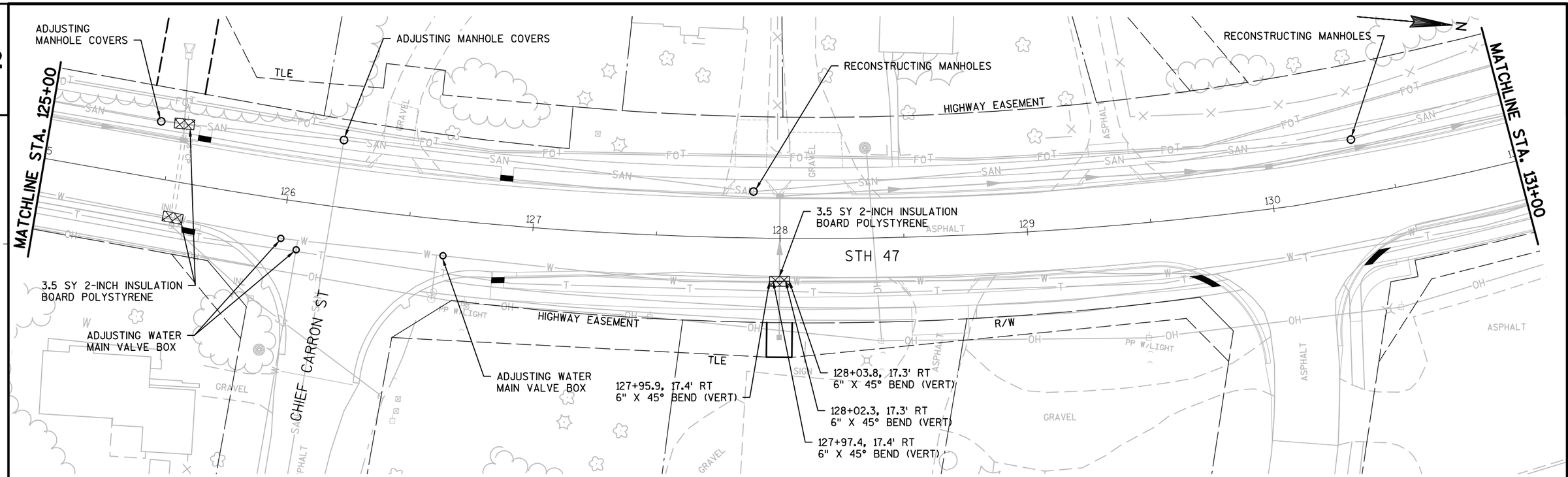
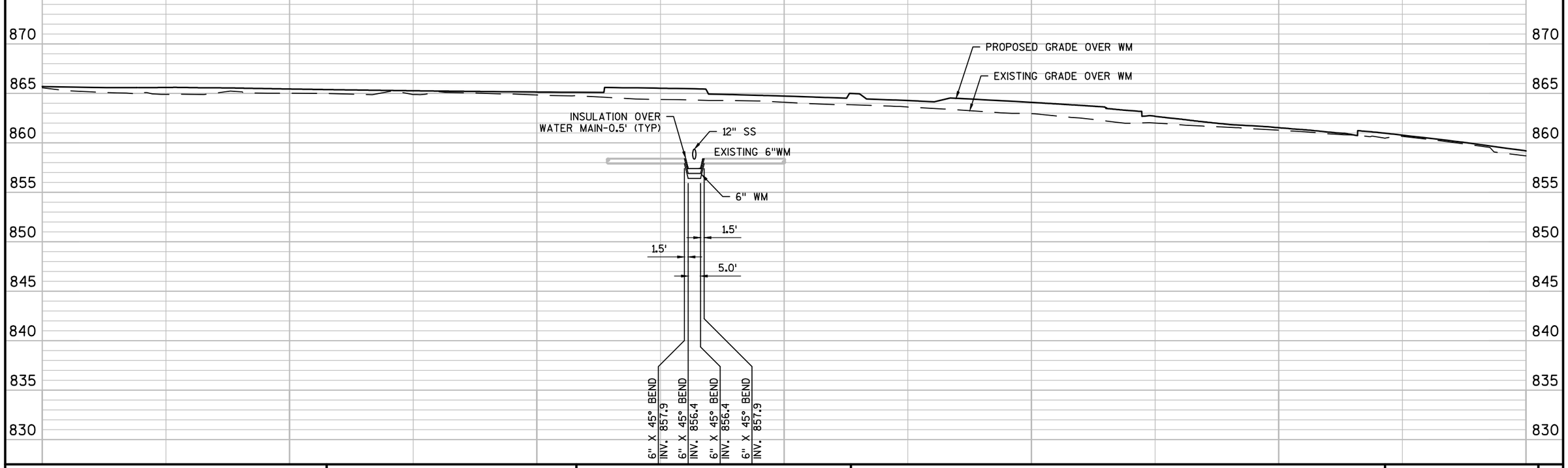
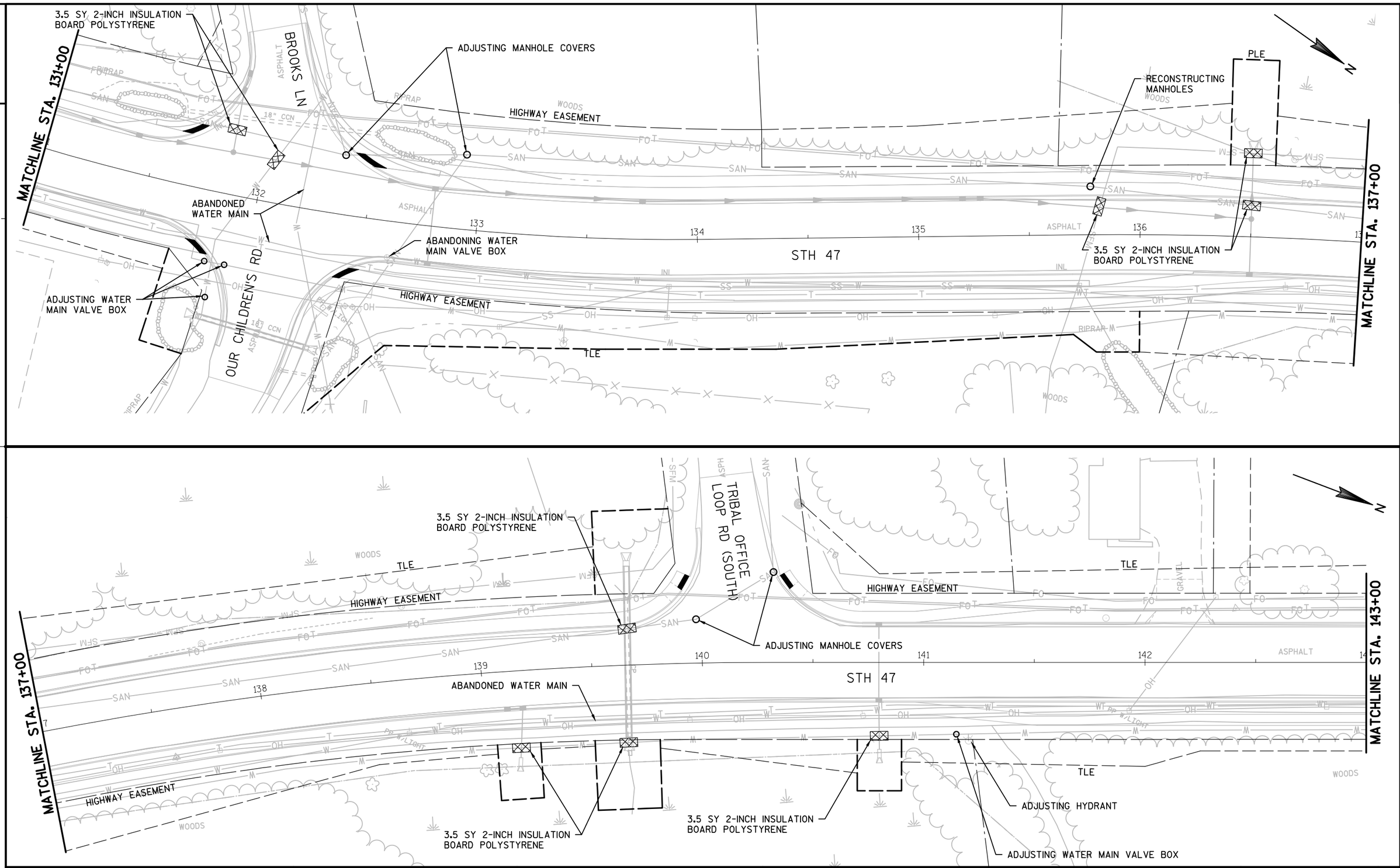
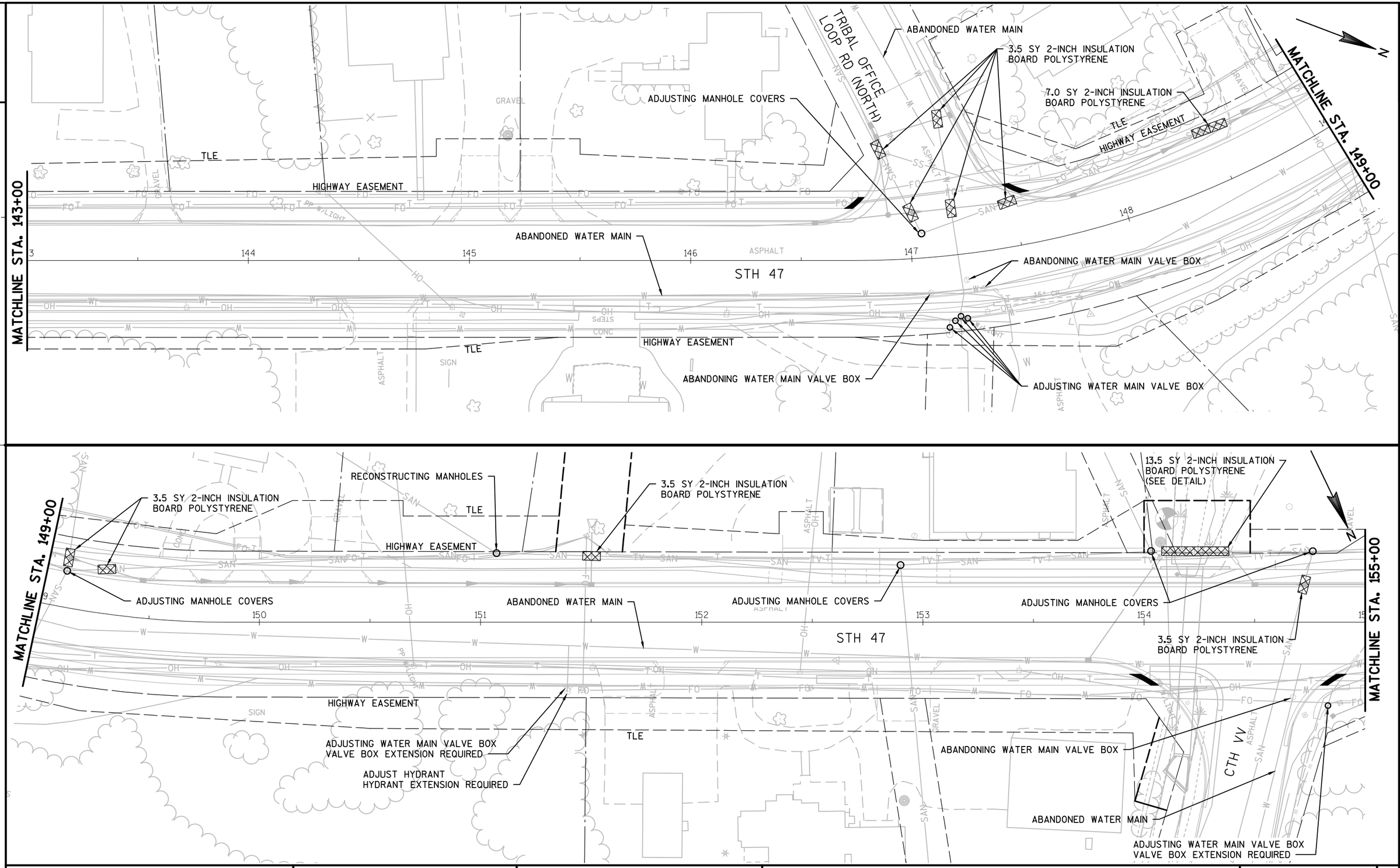




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	UTILITY IMPROVEMENTS	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	UTILITY IMPROVEMENTS	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	UTILITY IMPROVEMENTS	SHEET	E

2

ABANDONED WATER MAIN

HIGHWAY EASEMENT

3.5 SY 2-INCH INSULATION BOARD POLYSTYRENE

FAIRGROUNDS RD

ASPHALT

STATUE

STATUE

N

MATCHLINE STA. 155+00

ABANDONING WATER MAIN VALVE BOX

155

156

157

158

159

160

ASPHALT

STH 47

ABANDONED WATER MAIN

TLE

HIGHWAY EASEMENT

HIGHWAY EASEMENT

TLE

ADJUSTING WATER MAIN VALVE BOX

ADJUSTING HYDRANT

3.5 SY 2-INCH INSULATION BOARD POLYSTYRENE

MATCHLINE STA. 161+00

MATCHLINE STA. 161+00

ADJUSTING MANHOLE COVERS

TLE

HIGHWAY EASEMENT

3.5 SY 2-INCH INSULATION BOARD POLYSTYRENE

WOODS

RECONSTRUCTING MANHOLES

LYONS RD

ASPHALT

N

MATCHLINE STA. 167+00

ASPHALT

162

163

164

165

166

STH 47

ABANDONED WATER MAIN

TLE

HIGHWAY EASEMENT

ADJUSTING HYDRANT

ADJUSTING WATER MAIN VALVE BOX

ABANDONING WATER MAIN VALVE BOX

3.5 SY 2-INCH INSULATION BOARD POLYSTYRENE

BLACKSMITH RD

ASPHALT

WOODS

HIGHWAY EASEMENT

TLE

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	UTILITY IMPROVEMENTS	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0230_UP.DWG PLOT DATE : 2/13/2019 9:27 AM PLOT BY : DOLAN, ISAAC PLOT NAME :

2

HIGHWAY EASEMENT

ABANDONED WATER MAIN

WOODS

GRAVEL

SAN

W

MATCHLINE STA. 167+00

MATCHLINE STA. 173+00

STH 47

167

168

169

170

171

172

OH

PP W/LIGHT

HIGHWAY EASEMENT

ADJUSTING MANHOLE COVERS

3.5 SY 2-INCH INSULATION BOARD POLYSTYRENE

RABBIT RIDGE RD

TILE

SIGN

ANT

PLE

HIGHWAY EASEMENT

WOODS

MATCHLINE STA. 173+00

MATCHLINE STA. 179+00

STH 47

173

174

175

176

177

178

ASPHALT

24"CP

GRAVEL

10" CCN

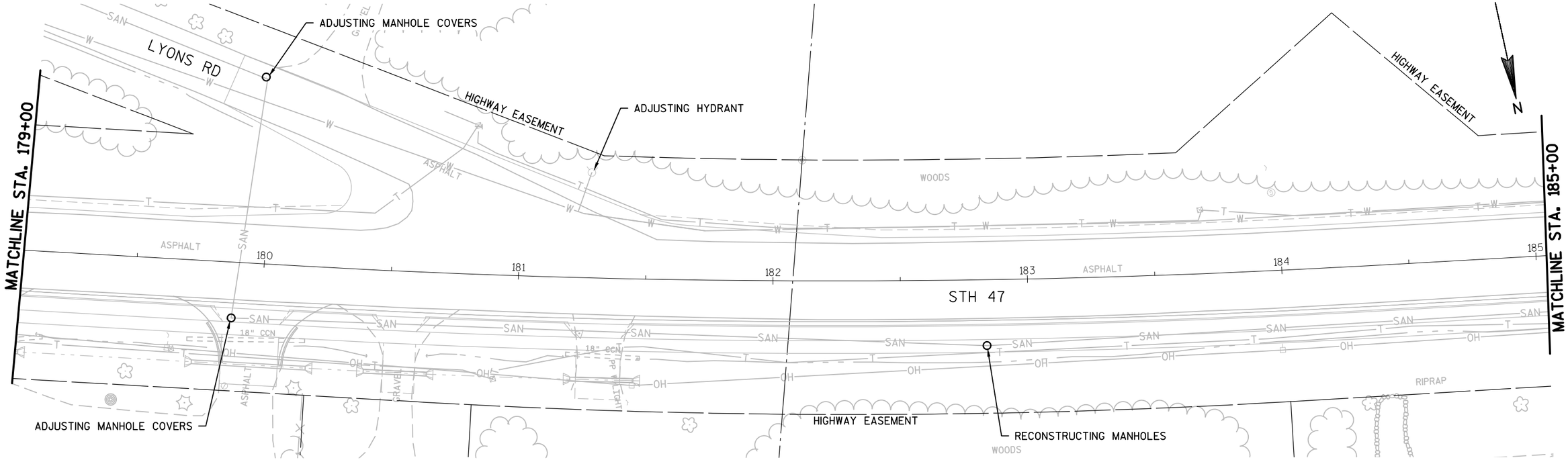
HIGHWAY EASEMENT

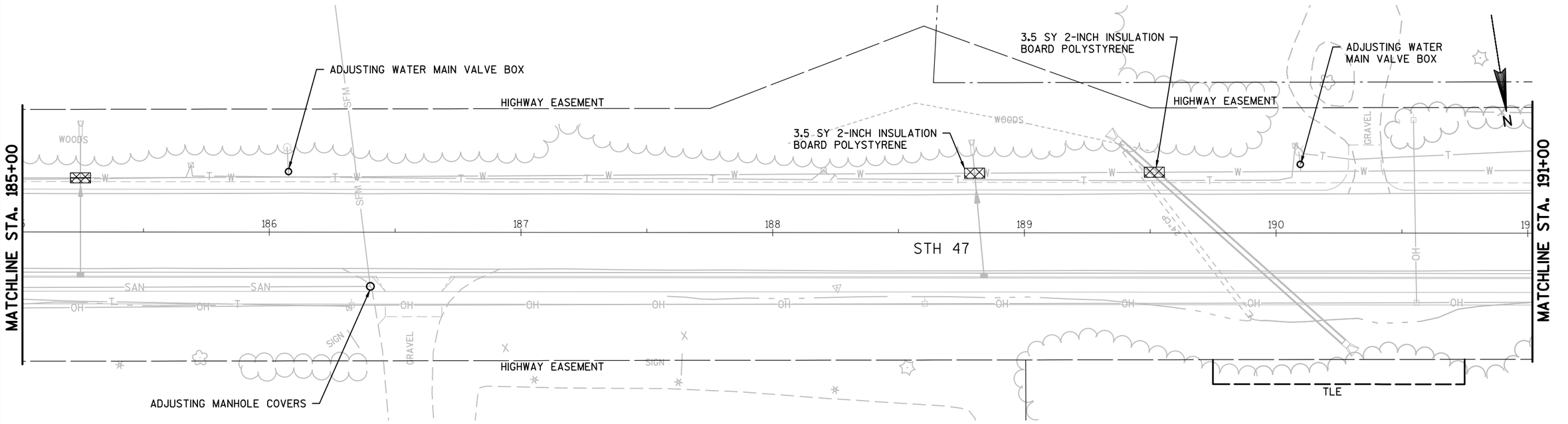
TLE

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	UTILITY IMPROVEMENTS	SHEET	E

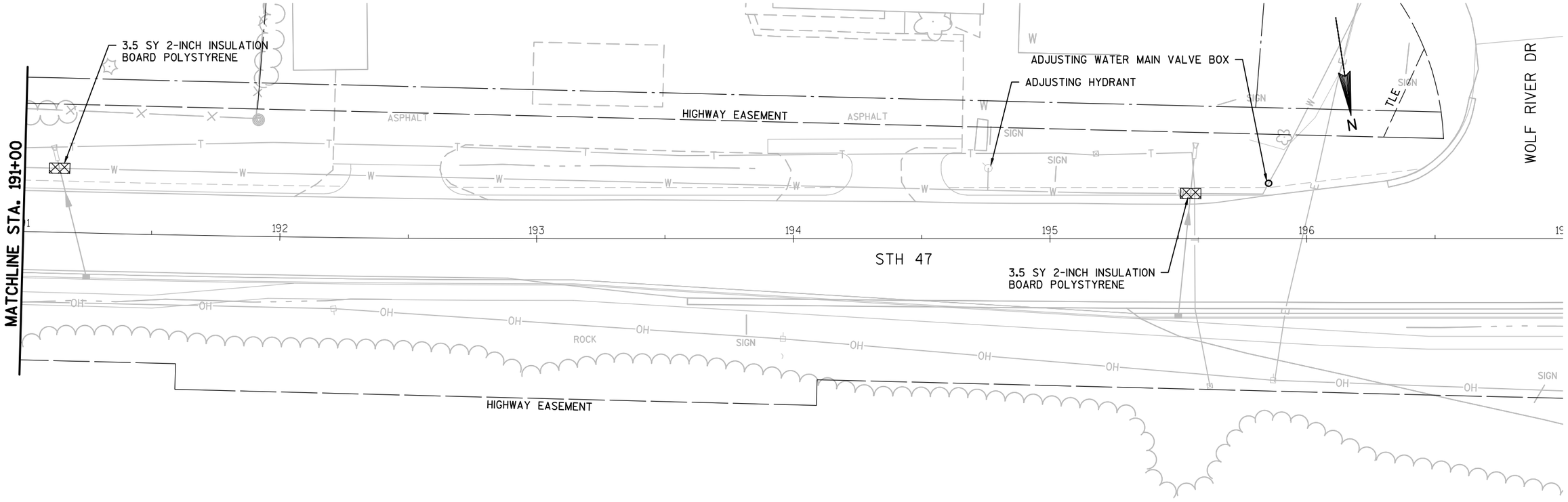
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0230_UP.DWG PLOT DATE : 2/13/2019 9:27 AM PLOT BY : DOLAN, ISAAC PLOT NAME :

WISDOT/CADDS SHEET 42





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	UTILITY IMPROVEMENTS	SHEET	E



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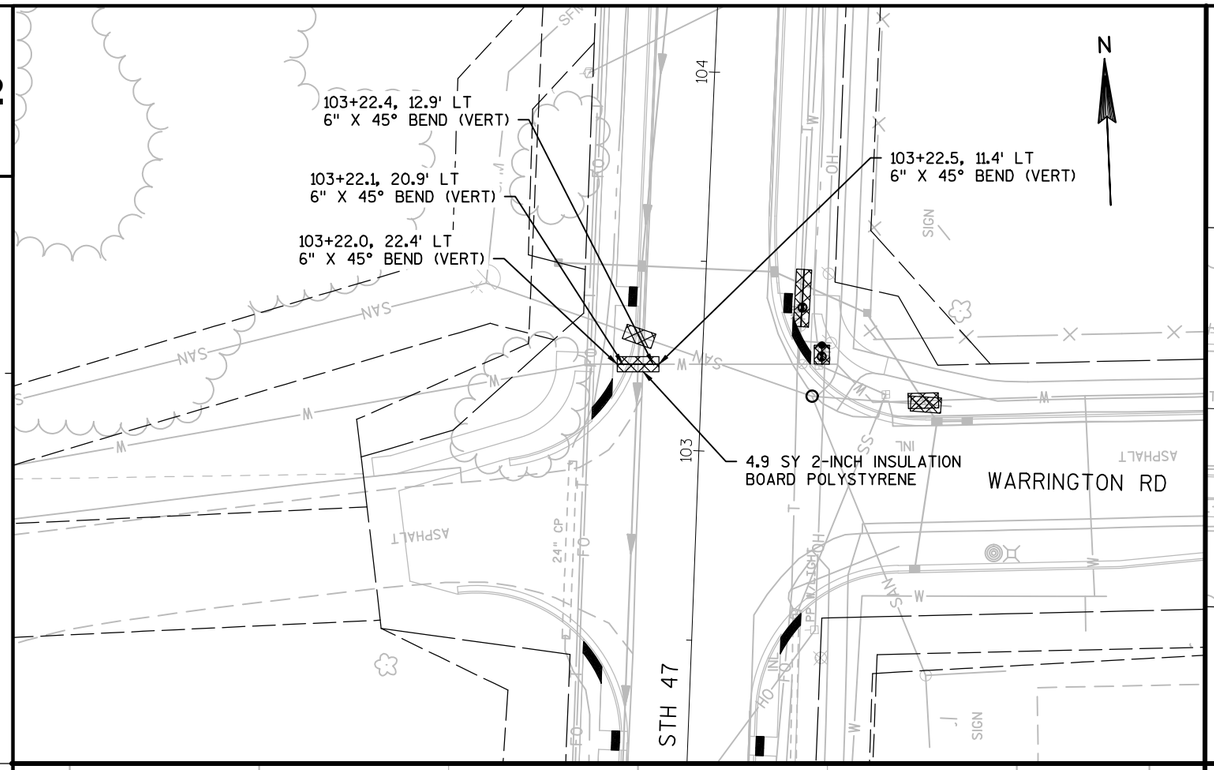
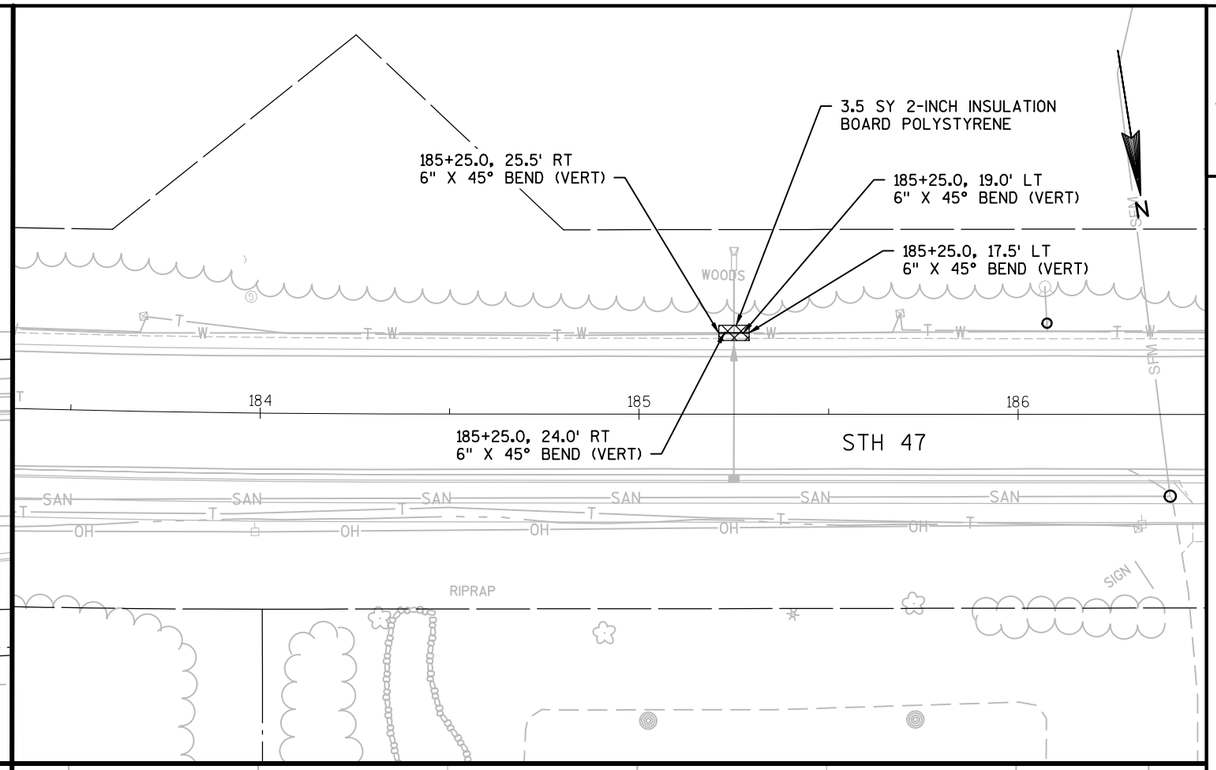
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	UTILITY IMPROVEMENTS	SHEET	E





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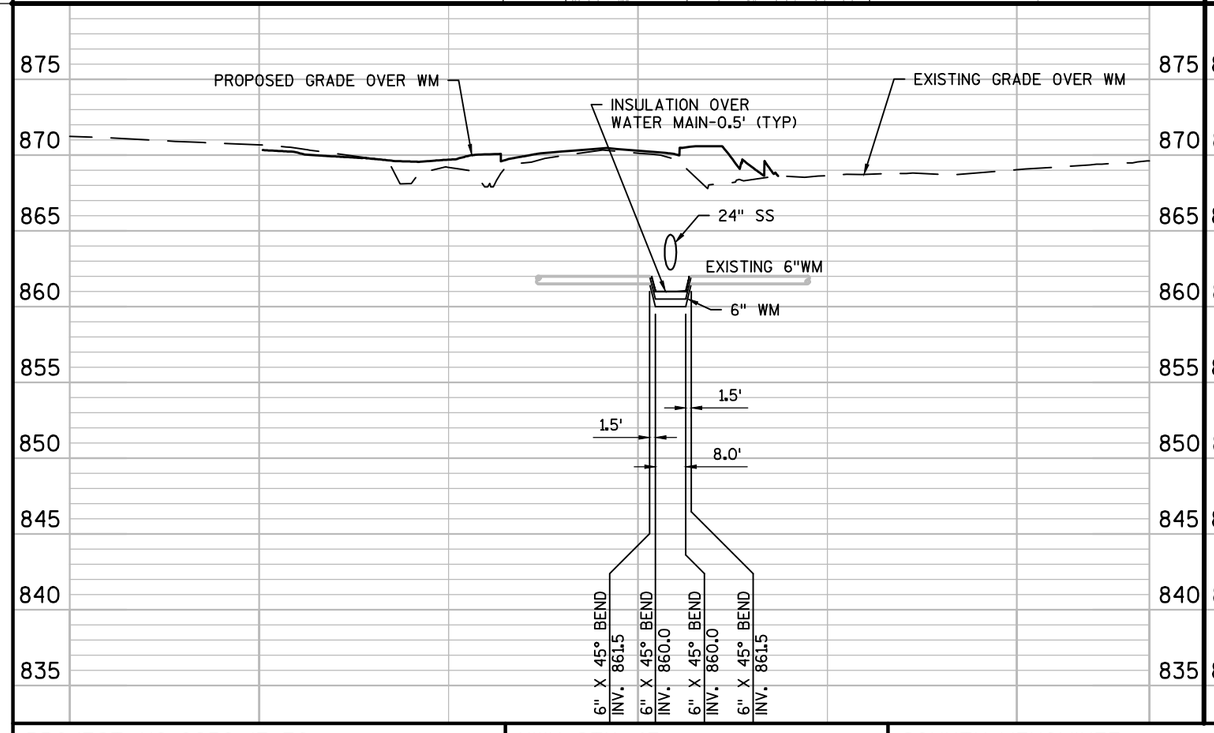
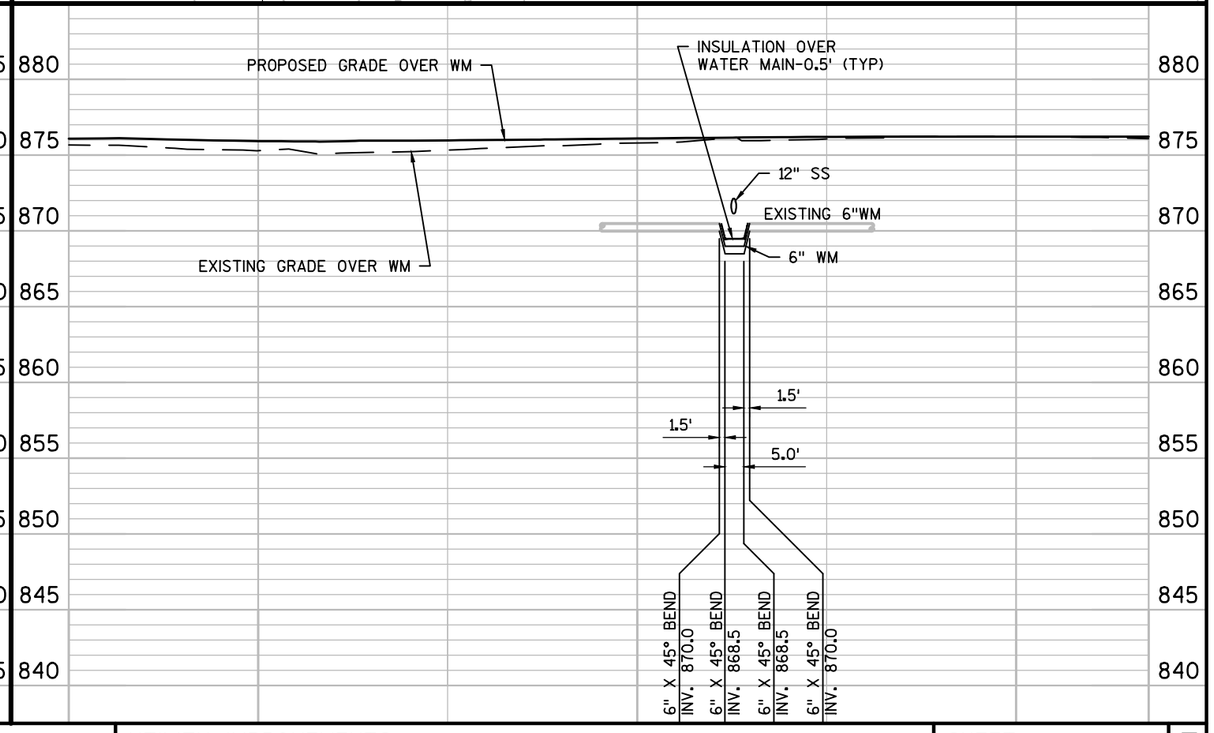
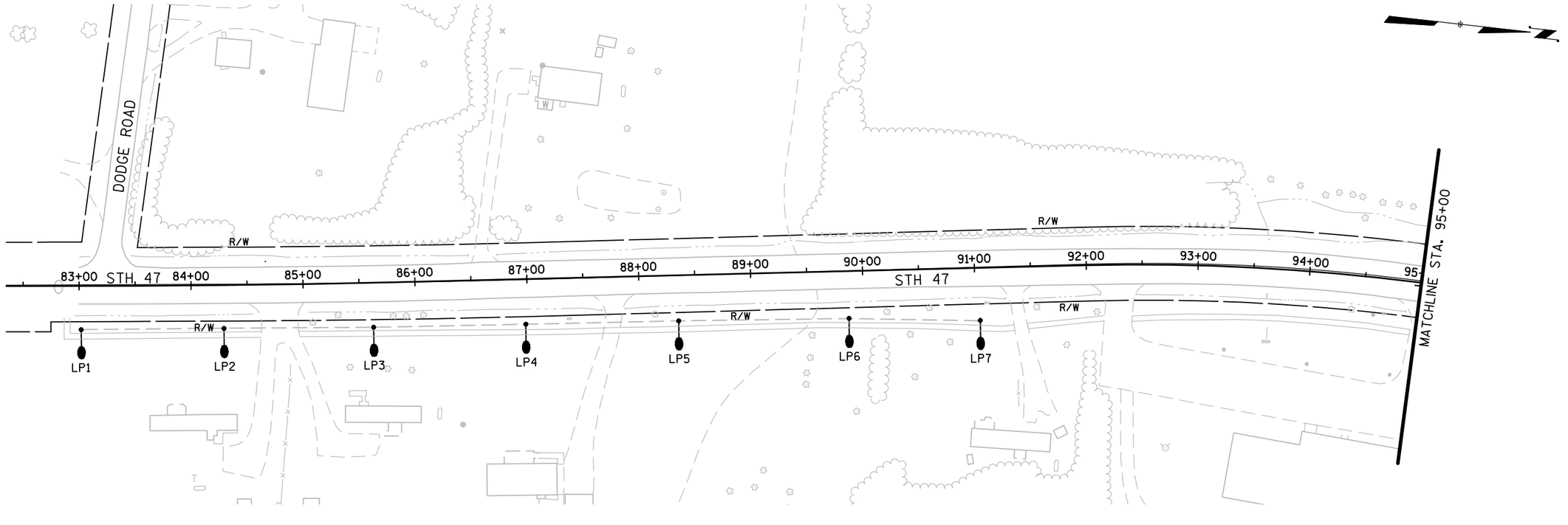
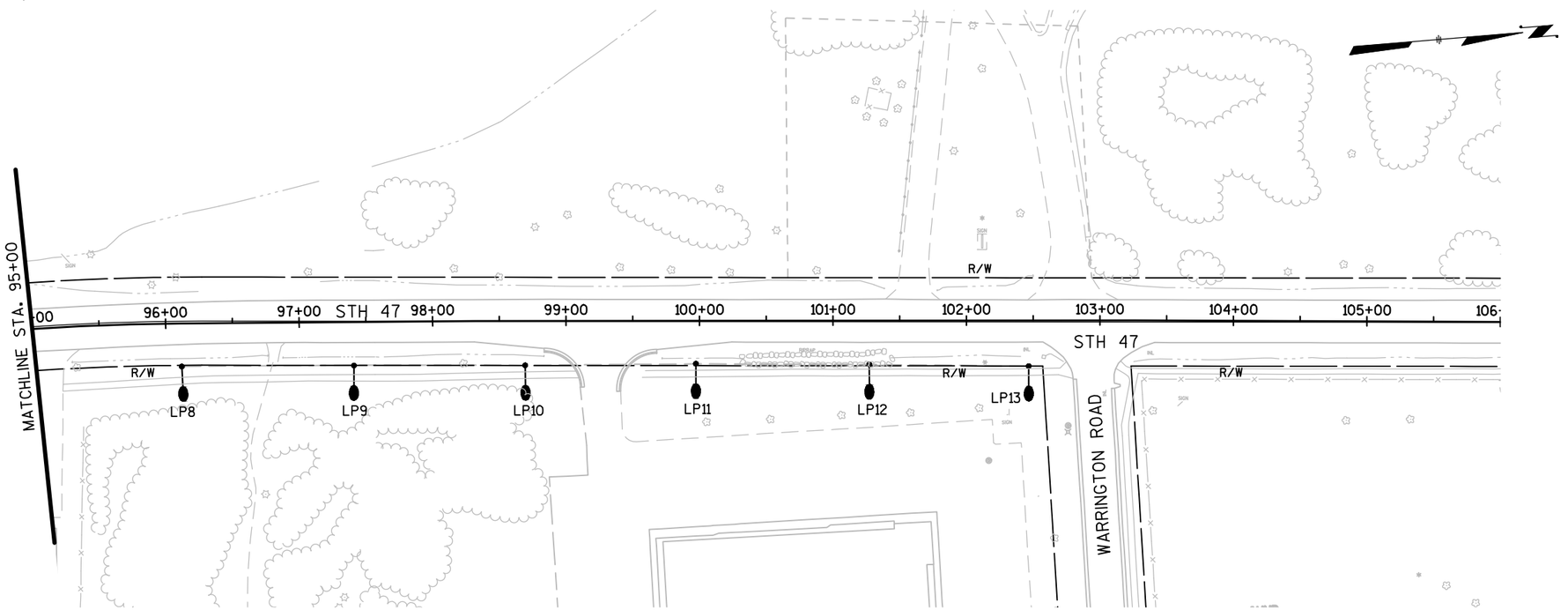




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	UTILITY IMPROVEMENTS	SHEET	E





LEGEND

- NONMETALLIC CONDUIT 2-INCH UNLESS OTHERWISE NOTED
- CITY STANDARD LIGHTING ASSEMBLY LED REMOVE AND SALVAGE. SEE SPECIFICATIONS FOR DETAILS.

NOTES:

1. GRAYSHADE REPRESENTS EXISTING ROADWAY, CONDUIT TO BE ABANDONED, AND UTILITIES.
2. BOLD REPRESENTS LIGHTING UNITS TO BE SALVAGED.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE, THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. EXISTING LIGHTING CONDUIT TO BE ABANDONED IN PLACE. REMOVE AND DISPOSE OF ALL WIRE IN CONDUIT SYSTEM.

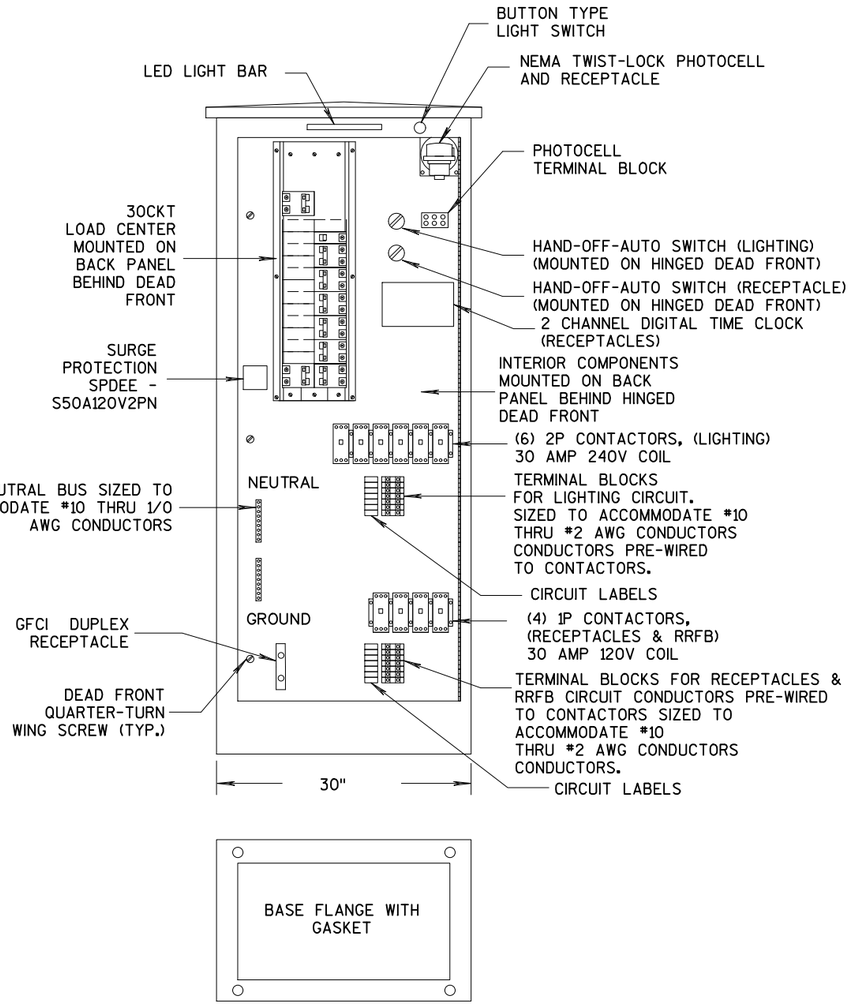
HIGHWAY LIGHTING
STH 47
VILLAGE OF KESHENA
DODGE ROAD TO WOLF RIVER DRIVE
MENOMINEE COUNTY

FEBRUARY 2019 PAGE 1 OF 1

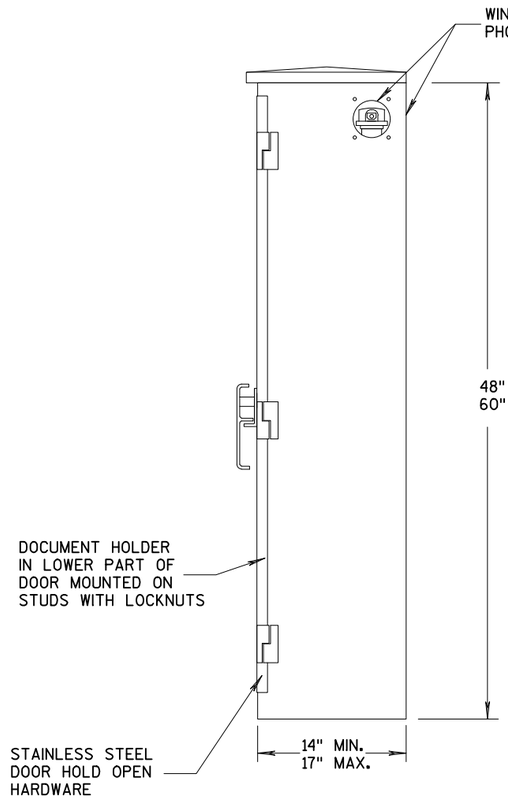
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LIGHTING REMOVAL PLAN	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0234_LR.DWG PLOT DATE : 2/13/2019 11:37 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42

FRONT INTERIOR ELEVATION



SIDE VIEW



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.

ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE-WIRED BY THE CABINET FABRICATOR.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS.

THE CONTRACTOR SHALL TOUCH UP ANY DAMAGE TO THE ANODIZED FINISH CAUSED BY THE INSTALLATION PROCESS. COLOR MATCH PAINT SHALL BE USED.

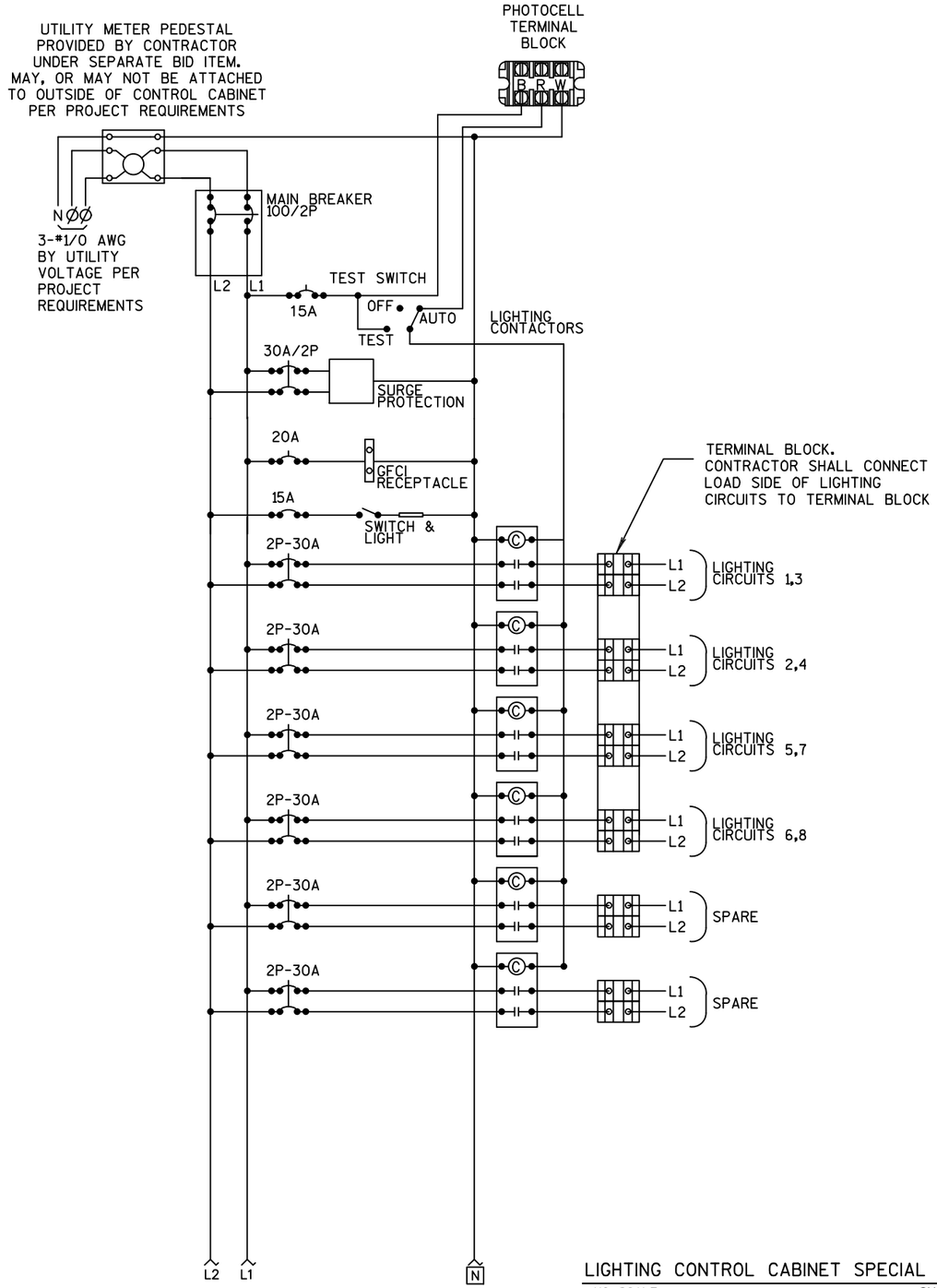
A COMPLETE LIGHTING OR ELECTRICAL PLAN SHALL BE SECURELY PLACED IN THE DOCUMENT HOLDER ATTACHED TO THE DOOR.

LIGHTING CONTROL CABINET 120/240 VOLT SPECIAL

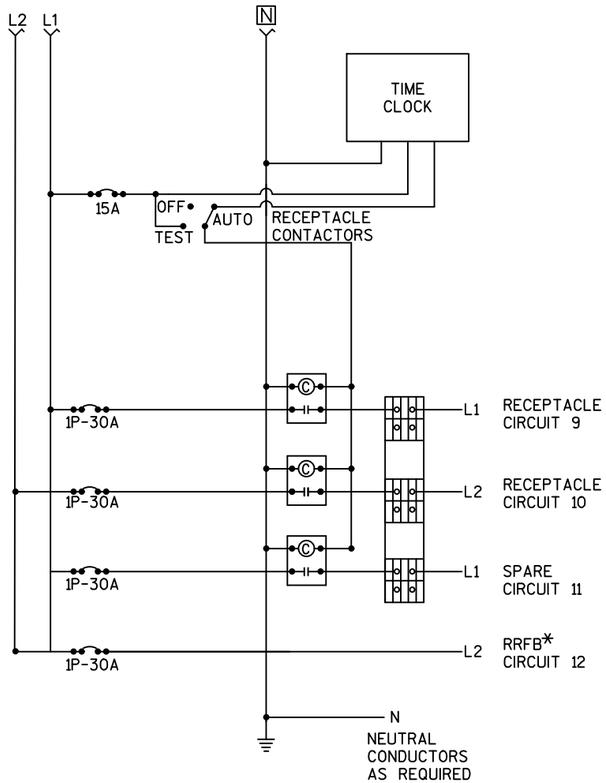
LIGHTING CONTROL CABINET SPECIAL - LAYOUT

NO SCALE — SHEET 1 OF 2

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LIGHTING - CONSTRUCTION DETAILS-CONTROLLER CABINET 120/240V	SHEET	E



CONTROL CABINET SCHEMATIC



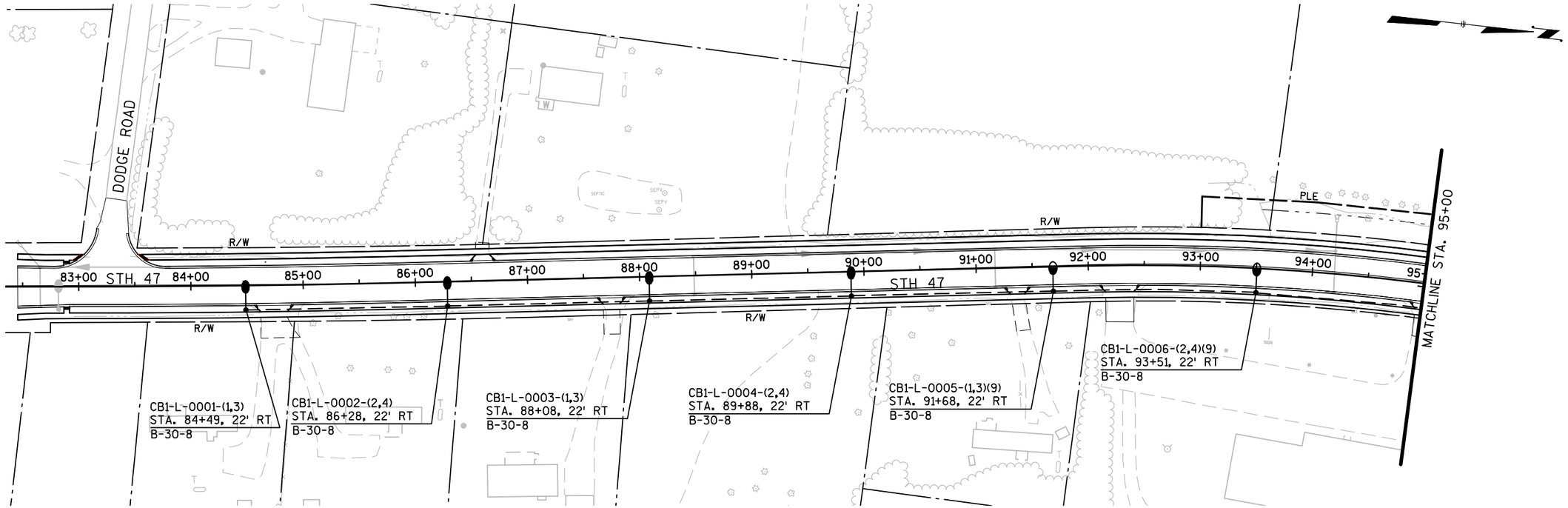
NOTE:

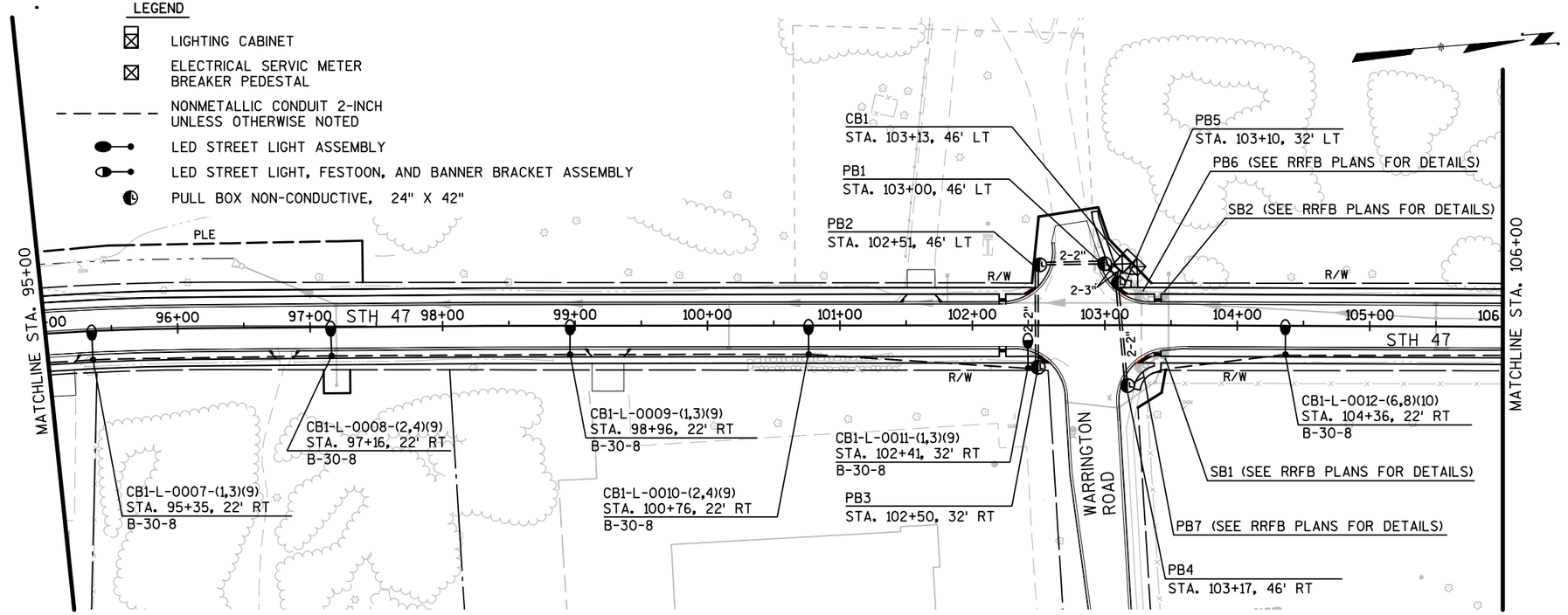
* RRFB CIRCUIT 12 ONLY NEEDED FOR CB1.
CB2 AND CB3 WILL NOT NEED RRFB CIRCUIT 12.
CB2 AND CB3 WILL HAVE CIRCUITS 10, 11, AND 12 AS SPARES.

LIGHTING CONTROL CABINET SPECIAL - WIRING

NO SCALE SHEET 2 OF 2

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LIGHTING - CONSTRUCTION DETAILS-CONTROL CABINET SCHEMATICS	SHEET	E





NOTES:

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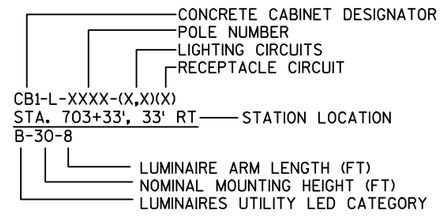
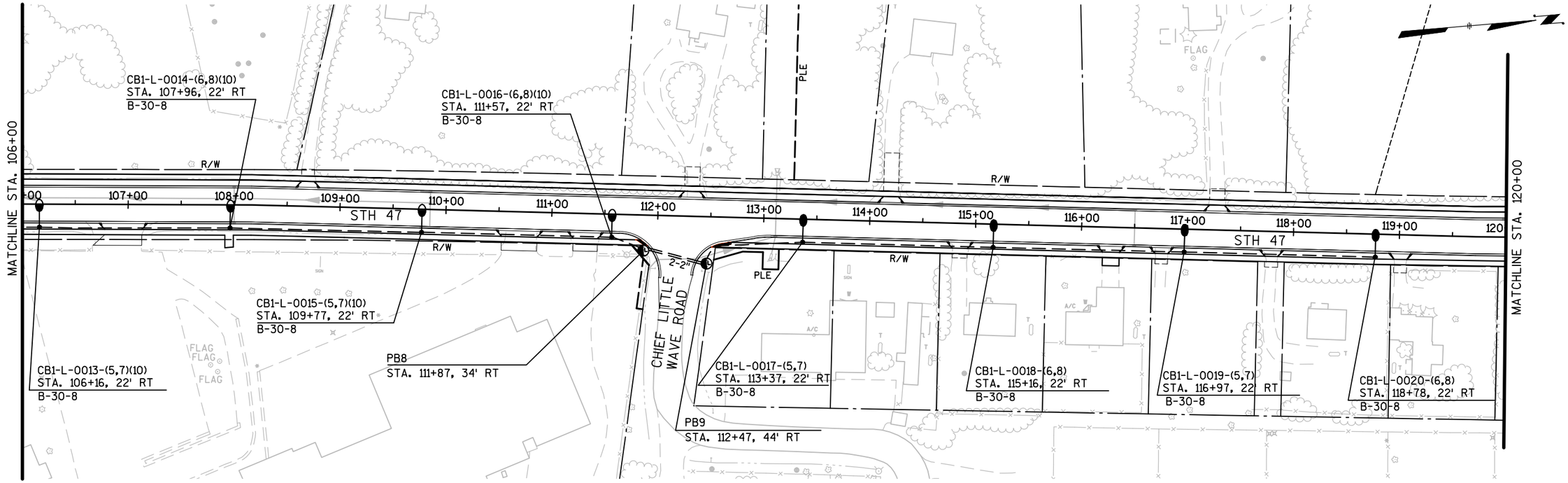
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. PROVIDE SEPARATE 120 VOLT FESTOON RECEPTACLE CIRCUIT TO EACH LIGHT POLE.
4. MOUNT FESTOON OUTLETS 10' ABOVE TRANSFORMER BASE WITH 20 AMP/125 VOLT, GFCI TYPE RECEPTACLE AND WEATHERPROOF ENCLOSURE & COVER.

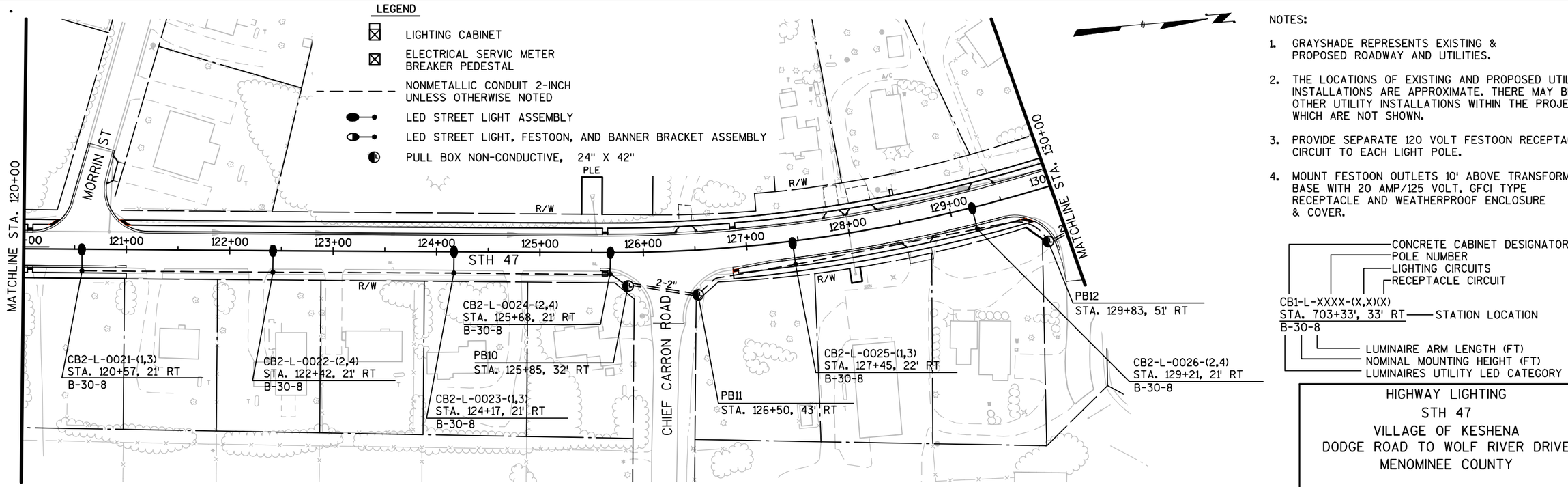


HIGHWAY LIGHTING
STH 47
VILLAGE OF KESHENA
DODGE ROAD TO WOLF RIVER DRIVE
MENOMINEE COUNTY

FEBRUARY 2019 PAGE 1 OF 6

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LIGHTING PLAN	SHEET	E





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4. MOUNT FESTOON OUTLETS 10' ABOVE TRANSFORMER BASE WITH 20 AMP/125 VOLT, GFCI TYPE RECEPTACLE AND WEATHERPROOF ENCLOSURE & COVER.

CB1-L-XXXX-(X,X)(X)
- CONCRETE CABINET DESIGNATOR
- POLE NUMBER
- LIGHTING CIRCUITS
- RECEPTACLE CIRCUIT

STA. 703+33', 33' RT — STATION LOCATION

B-30-8
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LUMINAIRES UTILITY LED CATEGORY

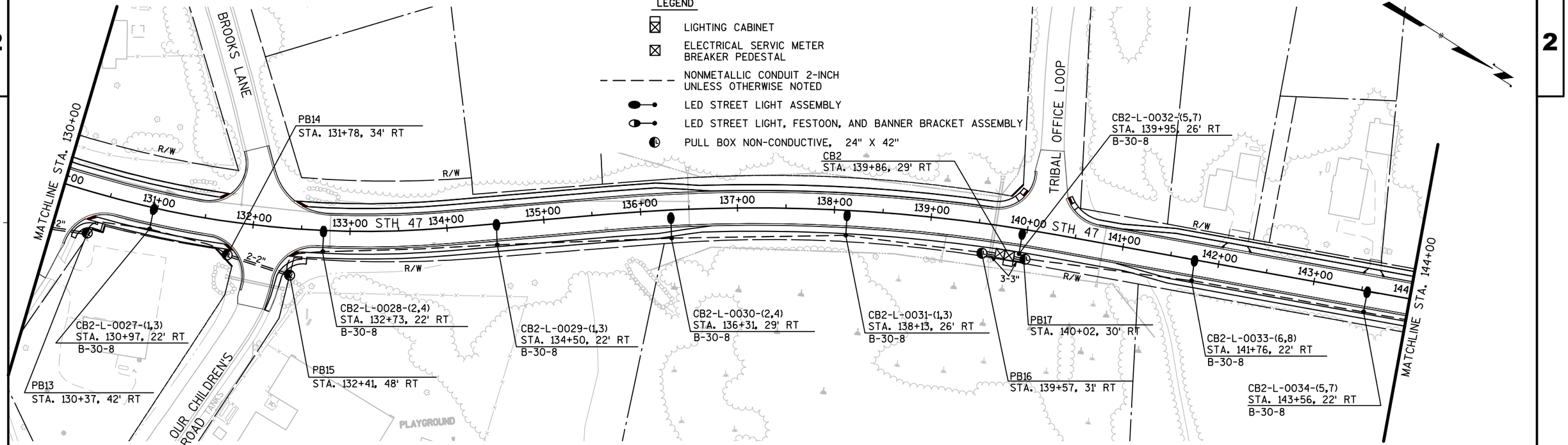
HIGHWAY LIGHTING
STH 47
VILLAGE OF KESHENA
DODGE ROAD TO WOLF RIVER DRIVE
MENOMINEE COUNTY

FEBRUARY 2019 PAGE 2 OF 6

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LIGHTING PLAN	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\023601_LP.DWG PLOT DATE : 2/13/2019 11:33 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42



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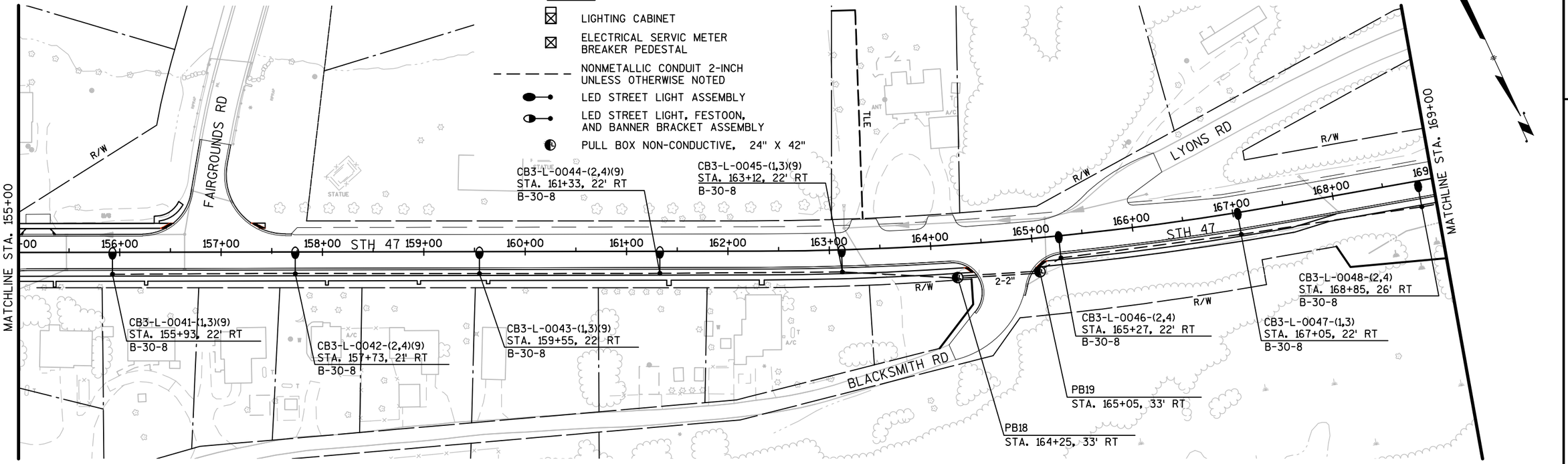
CB1-L-XXXX-(X,X)(X) — CONCRETE CABINET DESIGNATOR
- POLE NUMBER
- LIGHTING CIRCUITS
- RECEPTACLE CIRCUIT

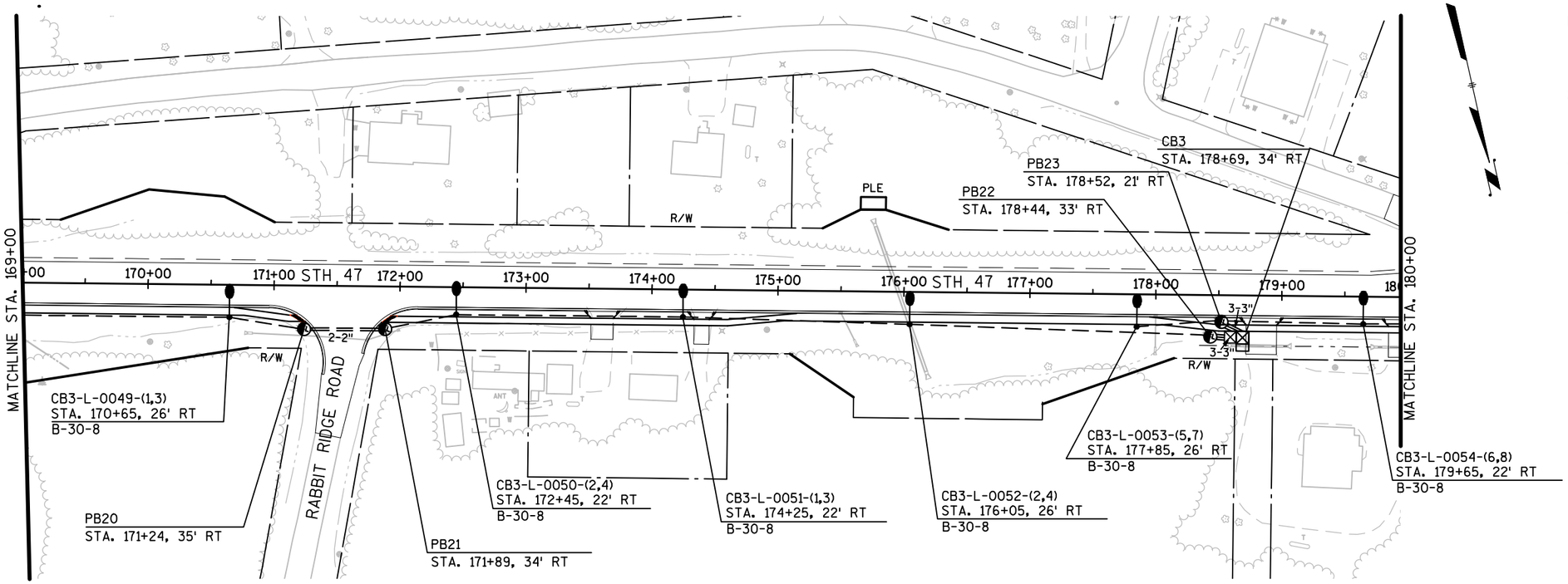
STA. 703+33', 33' RT — STATION LOCATION
B-30-8
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LUMINAIRES UTILITY LED CATEGORY

HIGHWAY LIGHTING
STH 47
VILLAGE OF KESHENA
DODGE ROAD TO WOLF RIVER DRIVE
MENOMINEE COUNTY

FEBRUARY 2019 PAGE 3 OF 6

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LIGHTING PLAN	SHEET	E





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CB1-L-XXXX-(X,X)(X)
STA. 703+33', 33' RT
B-30-8

- CONCRETE CABINET DESIGNATOR
- POLE NUMBER
- LIGHTING CIRCUITS
- RECEPTACLE CIRCUIT
- STATION LOCATION
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LUMINAIRES UTILITY LED CATEGORY

HIGHWAY LIGHTING
STH 47
VILLAGE OF KESHENA
DODGE ROAD TO WOLF RIVER DRIVE
MENOMINEE COUNTY

FEBRUARY 2019

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LIGHTING PLAN	SHEET	E

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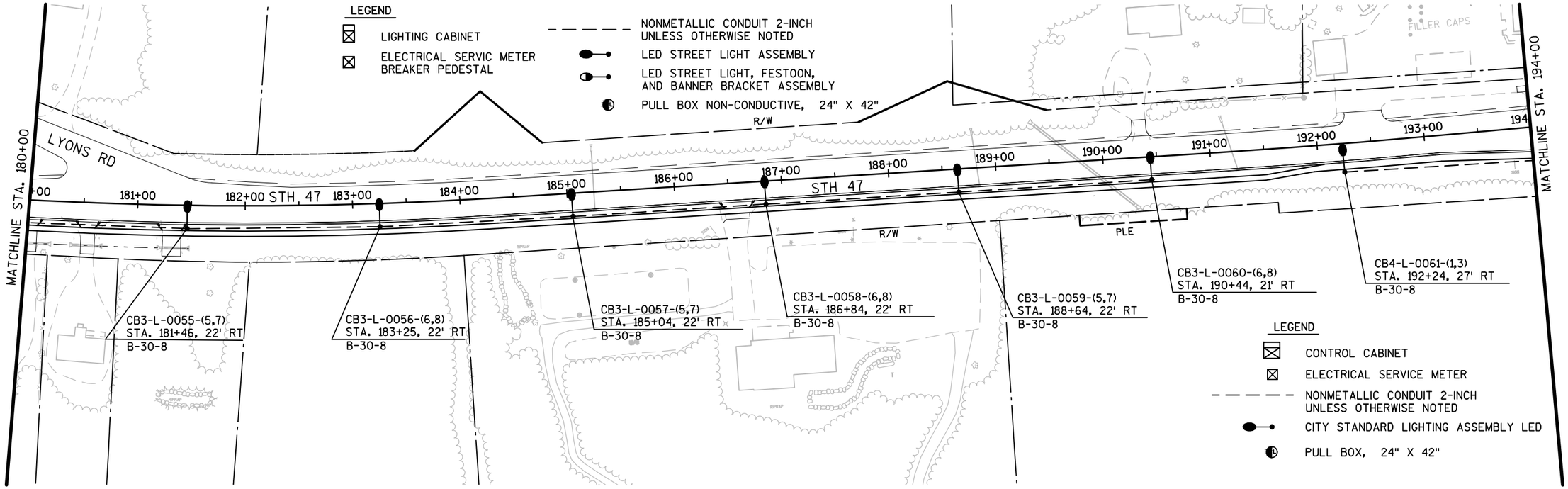
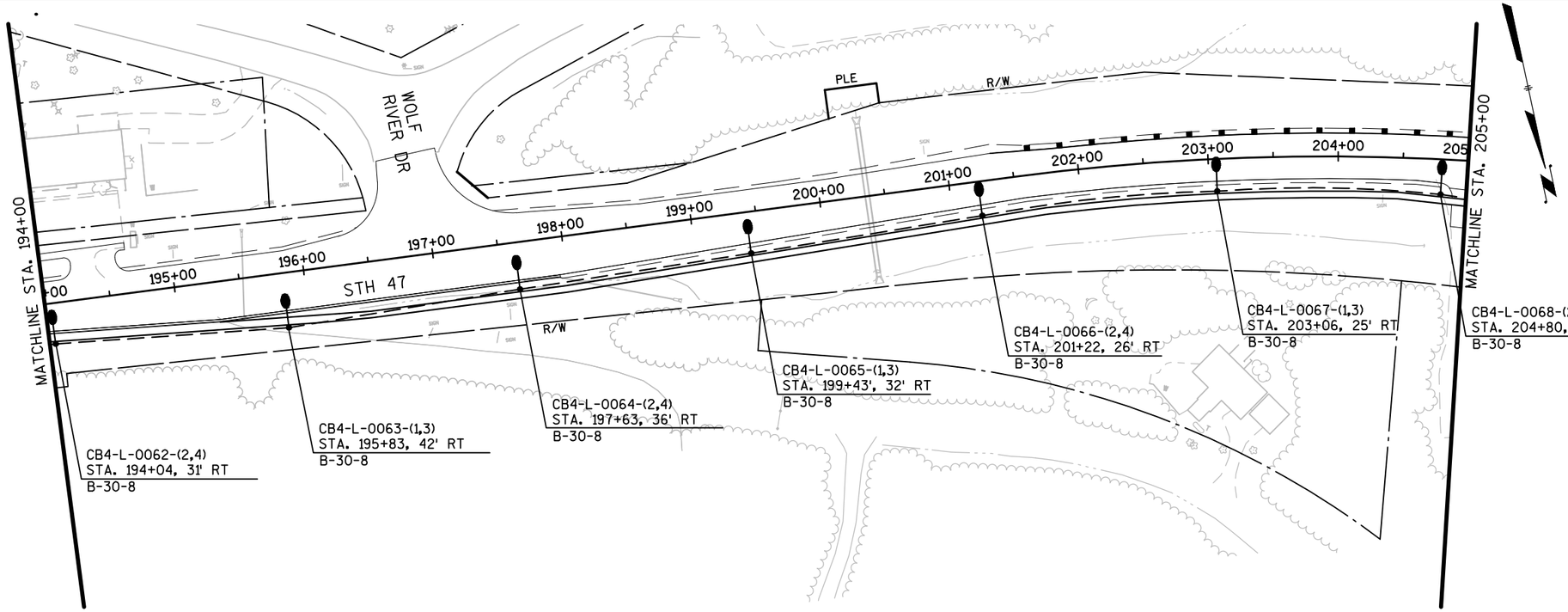
PLOT DATE : 2/13/2019 11:33 AM
PLOT BY : DOLAN, ISAAC
PLOT NAME :
PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42





NOTES:

1. GRAYSHADE REPRESENTS EXISTING & PROPOSED ROADWAY AND UTILITIES.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. PROVIDE SEPARATE 120 VOLT FESTOON RECEPTACLE CIRCUIT TO EACH LIGHT POLE.
4. MOUNT FESTOON OUTLETS 10' ABOVE TRANSFORMER BASE WITH 20 AMP/125 VOLT, GFCI TYPE RECEPTACLE AND WEATHERPROOF ENCLOSURE & COVER.

CB1-L-XXXX-(X,X)(X)
STA. 703+33', 33' RT
B-30-8

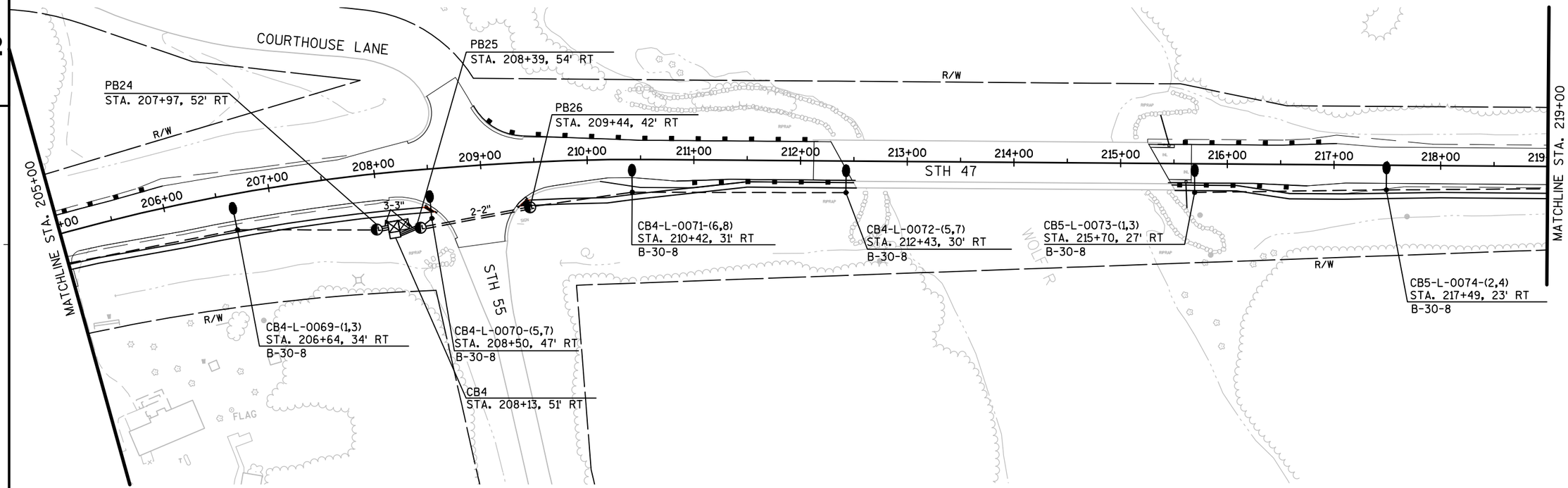
- CONCRETE CABINET DESIGNATOR
- POLE NUMBER
- LIGHTING CIRCUITS
- RECEPTACLE CIRCUIT
- STATION LOCATION
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LUMINAIRES UTILITY LED CATEGORY

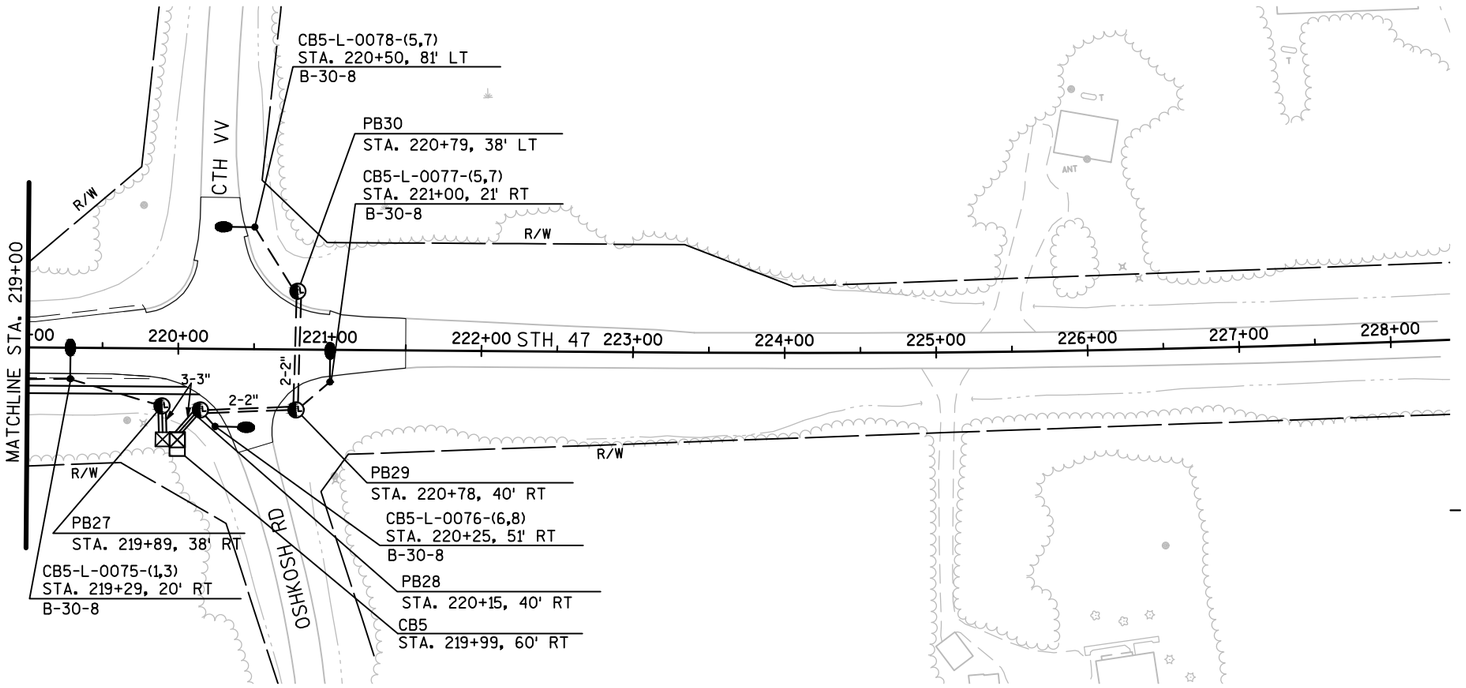
HIGHWAY LIGHTING
STH 47
VILLAGE OF KESHENA
DODGE ROAD TO WOLF RIVER DRIVE
MENOMINEE COUNTY

FEBRUARY 2019 PAGE 5 OF 6

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LIGHTING PLAN	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\023601_LP.DWG PLOT DATE : 2/13/2019 11:34 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:100
WISDOT/CADDS SHEET 42





LEGEND

- LIGHTING CABINET
- ELECTRICAL SERVIC METER BREAKER PEDESTAL
- NONMETALLIC CONDUIT 2-INCH UNLESS OTHERWISE NOTED
- LED STREET LIGHT ASSEMBLY
- LED STREET LIGHT, FESTOON, AND BANNER BRACKET ASSEMBLY
- PULL BOX NON-CONDUCTIVE, 24" X 42"

NOTES:

1. GRAYSHADE REPRESENTS EXISTING & PROPOSED ROADWAY AND UTILITIES.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. PROVIDE SEPARATE 120 VOLT FESTOON RECEPTACLE CIRCUIT TO EACH LIGHT POLE.
4. MOUNT FESTOON OUTLETS 10' ABOVE TRANSFORMER BASE WITH 20 AMP/125 VOLT, GFCI TYPE RECEPTACLE AND WEATHERPROOF ENCLOSURE & COVER.

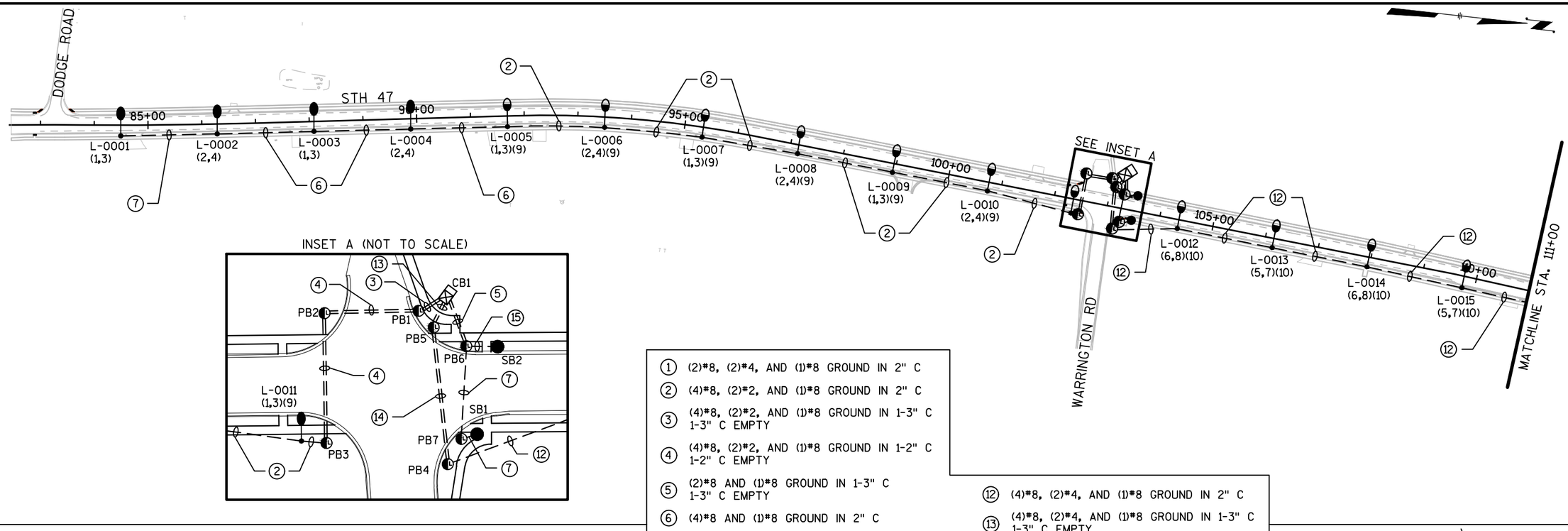
CB1-L-XXXX-(X,X)(X)
STA. 703+33', 33' RT — STATION LOCATION
B-30-8

- CONCRETE CABINET DESIGNATOR
- POLE NUMBER
- LIGHTING CIRCUITS
- RECEPTACLE CIRCUIT
- LUMINAIRE ARM LENGTH (FT)
- NOMINAL MOUNTING HEIGHT (FT)
- LUMINAIRES UTILITY LED CATEGORY

HIGHWAY LIGHTING
STH 47
VILLAGE OF KESHENA
DODGE ROAD TO WOLF RIVER DRIVE
MENOMINEE COUNTY

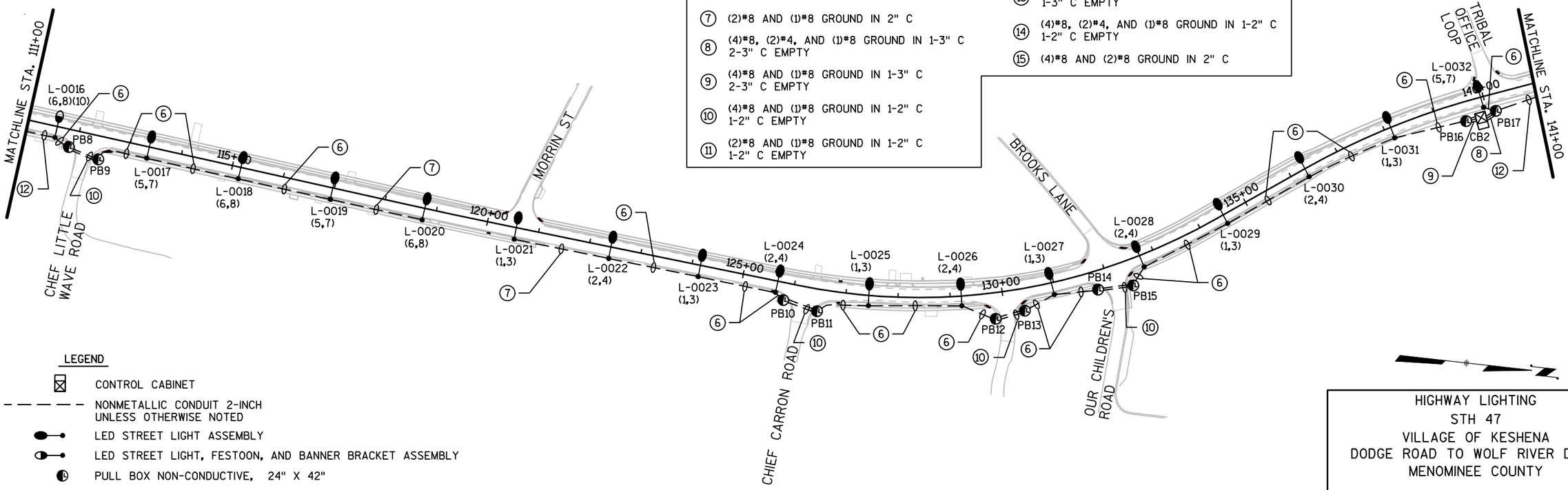
FEBRUARY 2019 PAGE 6 OF 6

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LIGHTING PLAN	SHEET	E



INSET A (NOT TO SCALE)

1. (2)*8, (2)*4, AND (1)*8 GROUND IN 2" C
2. (4)*8, (2)*2, AND (1)*8 GROUND IN 2" C
3. (4)*8, (2)*2, AND (1)*8 GROUND IN 1-3" C 1-3" C EMPTY
4. (4)*8, (2)*2, AND (1)*8 GROUND IN 1-2" C 1-2" C EMPTY
5. (2)*8 AND (1)*8 GROUND IN 1-3" C 1-3" C EMPTY
6. (4)*8 AND (1)*8 GROUND IN 2" C
7. (2)*8 AND (1)*8 GROUND IN 2" C
8. (4)*8, (2)*4, AND (1)*8 GROUND IN 1-3" C 2-3" C EMPTY
9. (4)*8 AND (1)*8 GROUND IN 1-3" C 2-3" C EMPTY
10. (4)*8 AND (1)*8 GROUND IN 1-2" C 1-2" C EMPTY
11. (2)*8 AND (1)*8 GROUND IN 1-2" C 1-2" C EMPTY
12. (4)*8, (2)*4, AND (1)*8 GROUND IN 2" C
13. (4)*8, (2)*4, AND (1)*8 GROUND IN 1-3" C 1-3" C EMPTY
14. (4)*8, (2)*4, AND (1)*8 GROUND IN 1-2" C 1-2" C EMPTY
15. (4)*8 AND (2)*8 GROUND IN 2" C



LEGEND

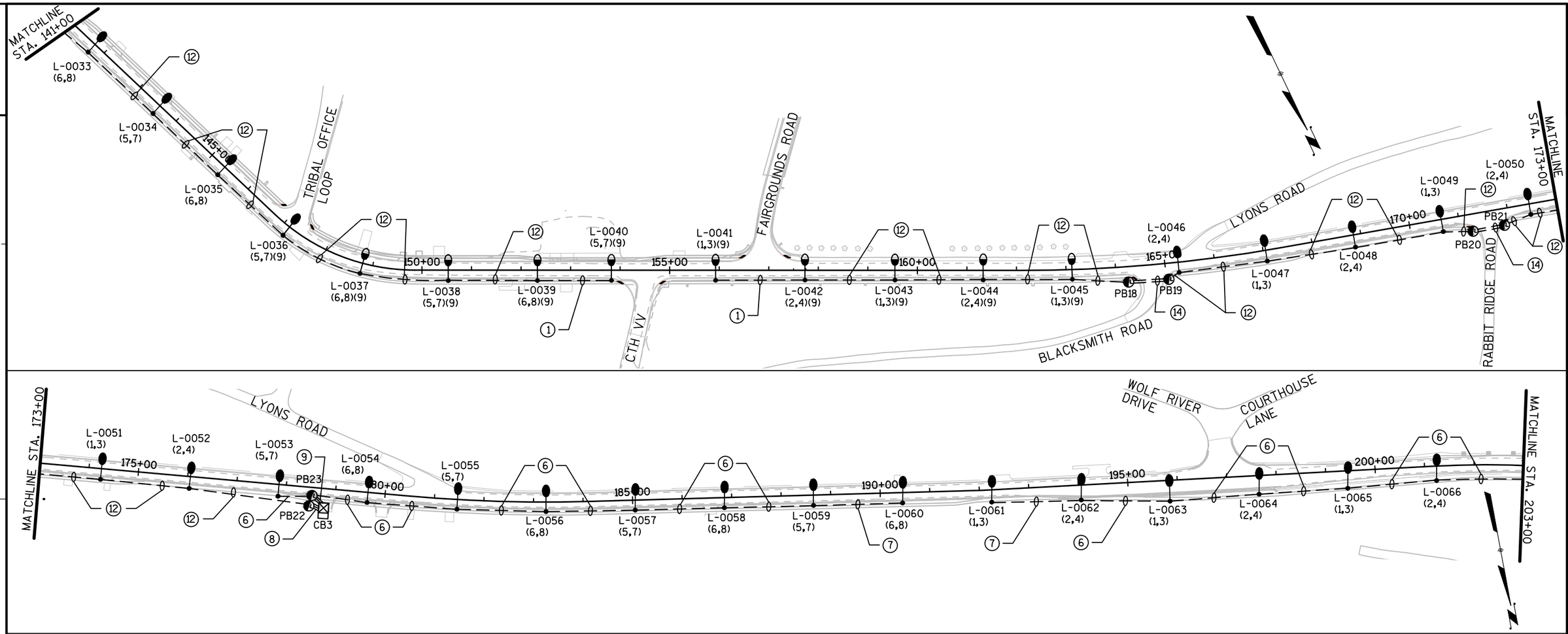
- CONTROL CABINET
- NONMETALLIC CONDUIT 2-INCH UNLESS OTHERWISE NOTED
- LED STREET LIGHT ASSEMBLY
- LED STREET LIGHT, FESTOON, AND BANNER BRACKET ASSEMBLY
- PULL BOX NON-CONDUCTIVE, 24" X 42"

HIGHWAY LIGHTING
STH 47
VILLAGE OF KESHENA
DODGE ROAD TO WOLF RIVER DRIVE
MENOMINEE COUNTY

FEBRUARY 2019 PAGE 1 OF 2

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LIGHTING PLAN WIRING DIAGRAM	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\023602_LP.DWG PLOT DATE : 2/13/2019 11:38 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:200



1. (2)*8, (2)*4, AND (1)*8 GROUND IN 2" C
2. (4)*8, (2)*2, AND (1)*8 GROUND IN 2" C
3. (4)*8, (2)*2, AND (1)*8 GROUND IN 1-3" C 1-3" C EMPTY
4. (4)*8, (2)*2, AND (1)*8 GROUND IN 1-2" C 1-2" C EMPTY
5. (2)*8 AND (1)*8 GROUND IN 1-3" C 1-3" C EMPTY
6. (4)*8 AND (1)*8 GROUND IN 2" C
7. (2)*8 AND (1)*8 GROUND IN 2" C
8. (4)*8, (2)*4, AND (1)*8 GROUND IN 1-3" C 2-3" C EMPTY
9. (4)*8 AND (1)*8 GROUND IN 1-3" C 2-3" C EMPTY
10. (4)*8 AND (1)*8 GROUND IN 1-2" C 1-2" C EMPTY
11. (2)*8 AND (1)*8 GROUND IN 1-2" C 1-2" C EMPTY
12. (4)*8, (2)*4, AND (1)*8 GROUND IN 2" C
13. (4)*8, (2)*4, AND (1)*8 GROUND IN 1-3" C 1-3" C EMPTY
14. (4)*8, (2)*4, AND (1)*8 GROUND IN 1-2" C 1-2" C EMPTY
15. (4)*8 AND (2)*8 GROUND IN 2" C

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2-INCH UNLESS OTHERWISE NOTED
- LED STREET LIGHT ASSEMBLY
- LED STREET LIGHT, FESTOON, AND BANNER BRACKET ASSEMBLY
- PULL BOX NON-CONDUCTIVE, 24" X 42"

HIGHWAY LIGHTING
STH 47
VILLAGE OF KESHENA
DODGE ROAD TO WOLF RIVER DRIVE
MENOMINEE COUNTY

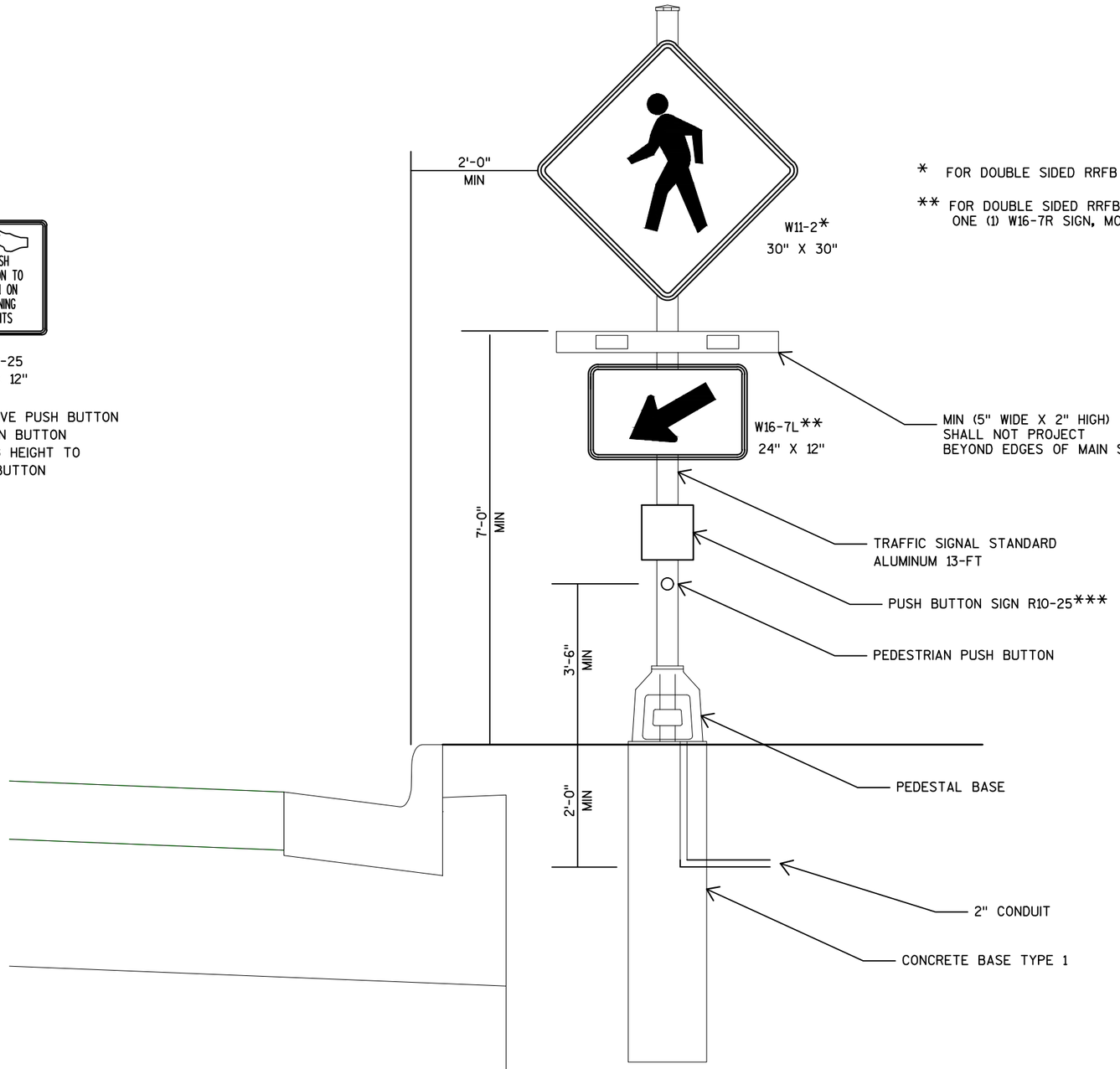
FEBRUARY 2019 PAGE 2 OF 2

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	LIGHTING PLAN WIRING DIAGRAM	SHEET	E

2

R10-25
9" X 12"

***LOCATE ABOVE PUSH BUTTON
ACTIVATION BUTTON
4' MOUNTING HEIGHT TO
PUSH BUTTON



* FOR DOUBLE SIDED RRFB LOCATIONS, TWO (2) W11-2 SIGNS, MOUNTED BACK TO BACK.

** FOR DOUBLE SIDED RRFB LOCATIONS, EACH POLE SHALL HAVE ONE (1) W16-7L SIGN AND ONE (1) W16-7R SIGN, MOUNTED BACK TO BACK. THE ARROW SHALL BE DIRECTED TOWARDS THE CURB.

NOTE:

SEE RECTANGULAR RAPID FLASHING BEACON PLAN SHEETS FOR BEACON AND PUSH BUTTON LOCATIONS.

RECTANGULAR RAPID FLASHING BEACON

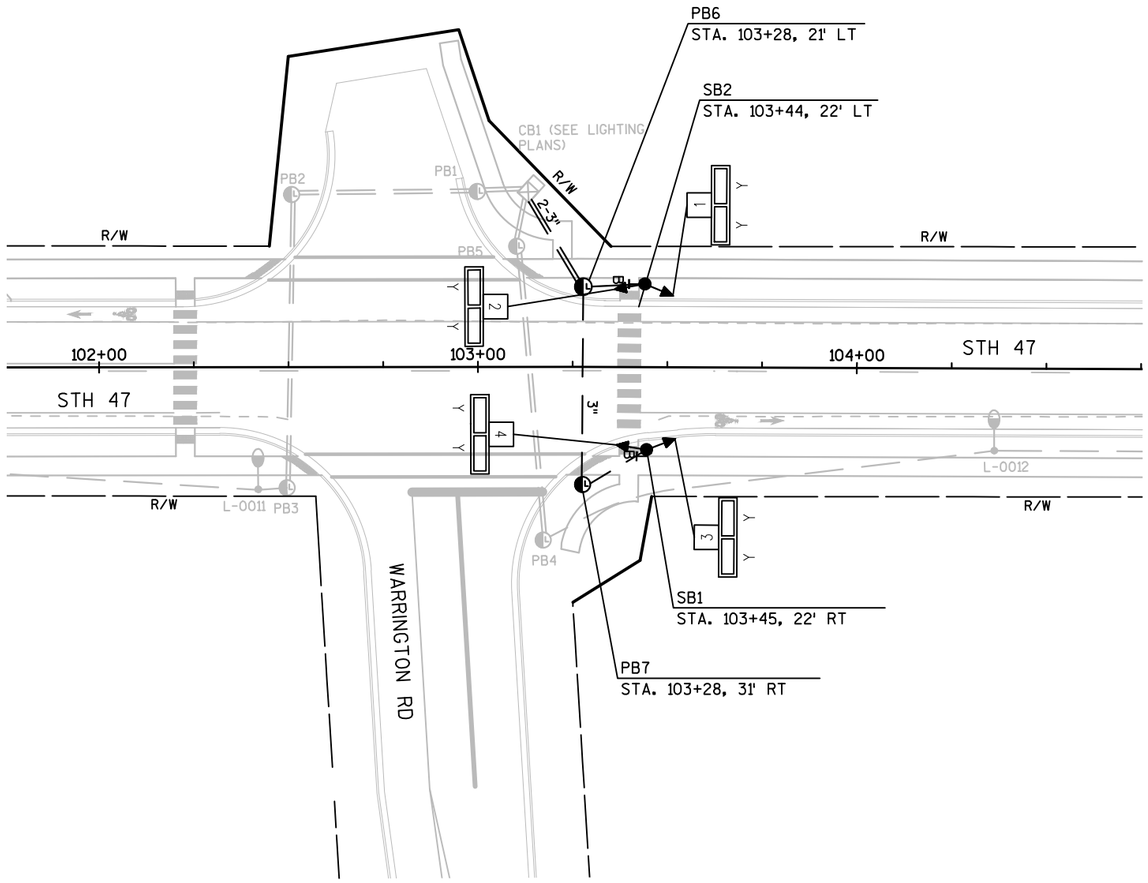
HIGHWAY LIGHTING
STH 47
VILLAGE OF KESHENA
DODGE ROAD TO WOLF RIVER DRIVE
MENOMINEE COUNTY

FEBRUARY 2019 PAGE 1 OF 2

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	RECTANGULAR RAPID FLASHING BEACON DETAIL	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\023603_RRFB.DWG PLOT DATE : 2/13/2019 11:39 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:200

2



LEGEND

- NONMETALLIC CONDUIT 2-INCH UNLESS OTHERWISE NOTED
- PUSH BUTTON
- RECTANGULAR RAPID FLASHING BEACON (RRFB) WITH PEDESTRIAN ACTIVATION
- PULL BOX NON-CONDUCTIVE, 24" X 42"
- XX SIGNAL HEAD NUMBER
- YELLOW RECTANGULAR RAPID FLASHING BEACON (Y Y)

CONSTRUCTION NOTES:

1. LENSES ARE MIN. 5" W X 2" H
2. SEE PERMANENT SIGNING PLAN FOR RRFB SIGNS.
3. SEE RECTANGULAR RAPID FLASHING BEACON DETAIL FOR INFORMATION ON RRFB ASSEMBLIES.
4. GRAYSHADE REPRESENTS EXISTING AND PROPOSED ROADWAY, UTILITIES, AND LIGHTING.
5. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

HIGHWAY LIGHTING
STH 47
VILLAGE OF KESHENA
DODGE ROAD TO WOLF RIVER DRIVE
MENOMINEE COUNTY

FEBRUARY 2019

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	RECTANGULAR RAPID FLASHING BEACON	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\023603_RRFB.DWG PLOT DATE : 2/13/2019 11:39 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

LEGEND - PAVEMENT MARKING

CW	CROSSWALK EPOXY 6-INCH (WHITE)
SL	STOP LINE EPOXY 18-INCH (WHITE)
A	ARROW BIKE LANE EPOXY (WHITE)
BL	SYMBOL BIKE LANE EPOXY (WHITE)

N

DODGE RD

STH 47

MATCHLINE STA. 94+00

MATCHLINE STA. 109+00

MARKING LINE EPOXY 4-INCH (WHITE)

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)

MARKING CROSSWALK EPOXY LADDER PATTERN 24-INCH

2' (TYP)

6'

MARKING LINE EPOXY 4-INCH (DASHED YELLOW; 12.5 FT LINE, 37.5 FT SKIP)

MARKING LINE EPOXY 4-INCH (YELLOW)

MOUNT ON POLE WITH RRFB

W11-2 30"X30"

W16-7R 24"X12"

W16-7L 24"X12"

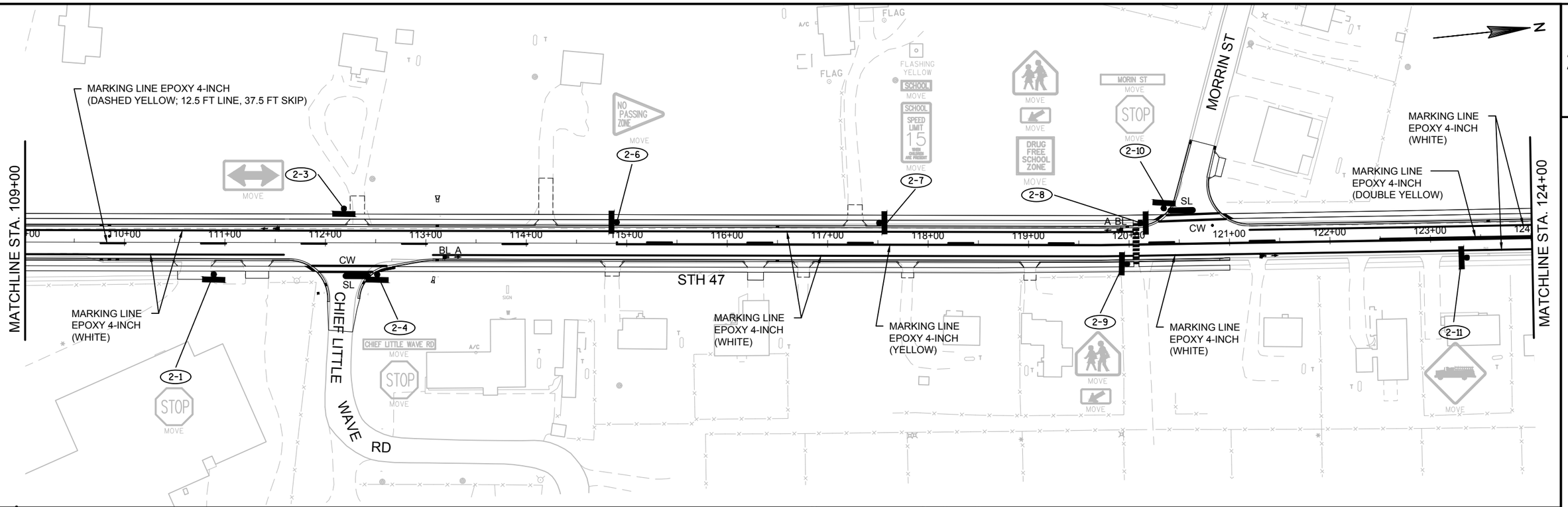
R10-25 9"X12"

WARRINGTON RD

STH 47/55 WARRINGTON RD

MARKING LINE EPOXY 8-INCH (WHITE)

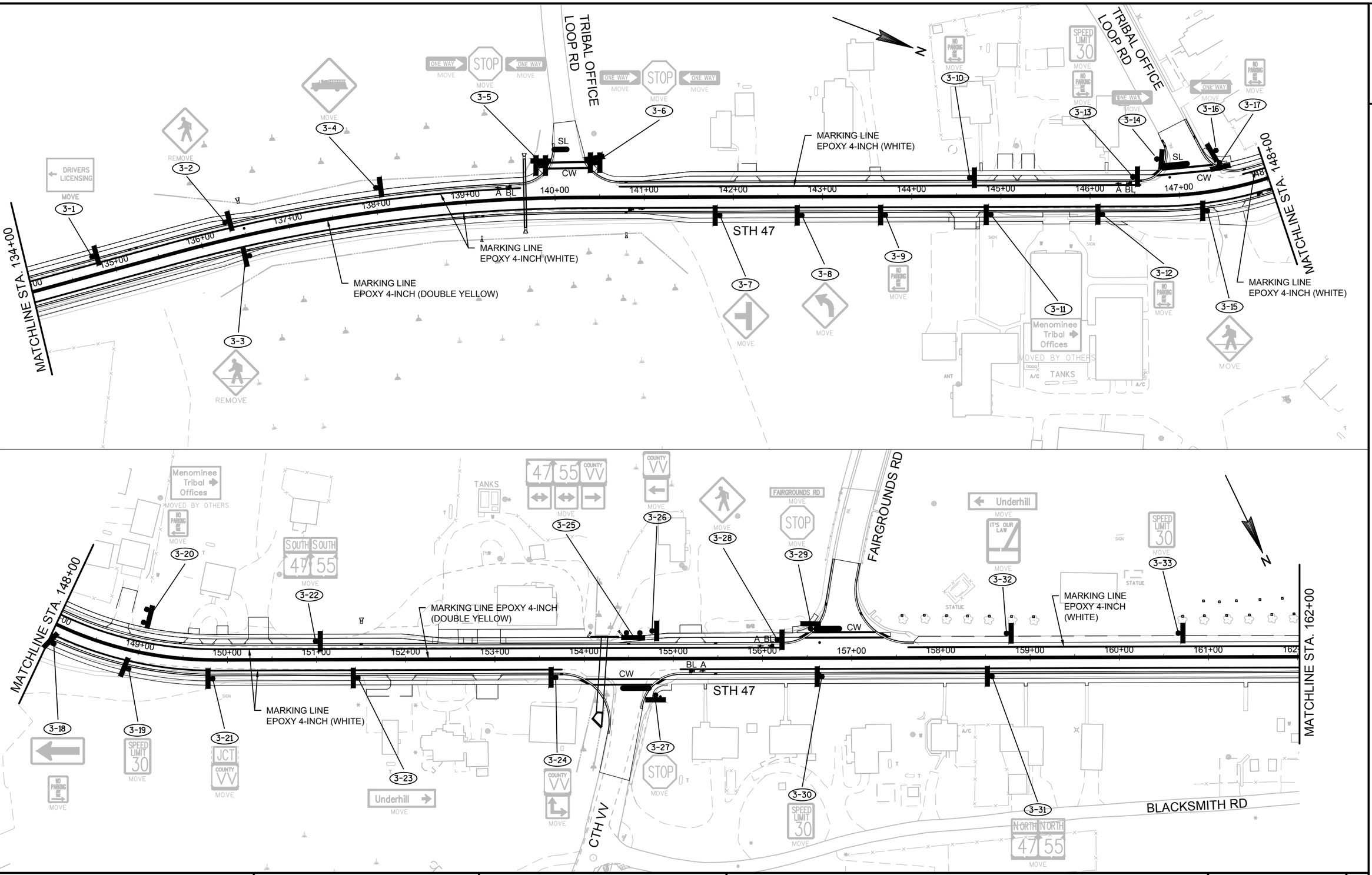
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0245_PS_PM.DWG PLOT DATE : 2/13/2019 8:19 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : ********** WISDOT/CADDS SHEET 42

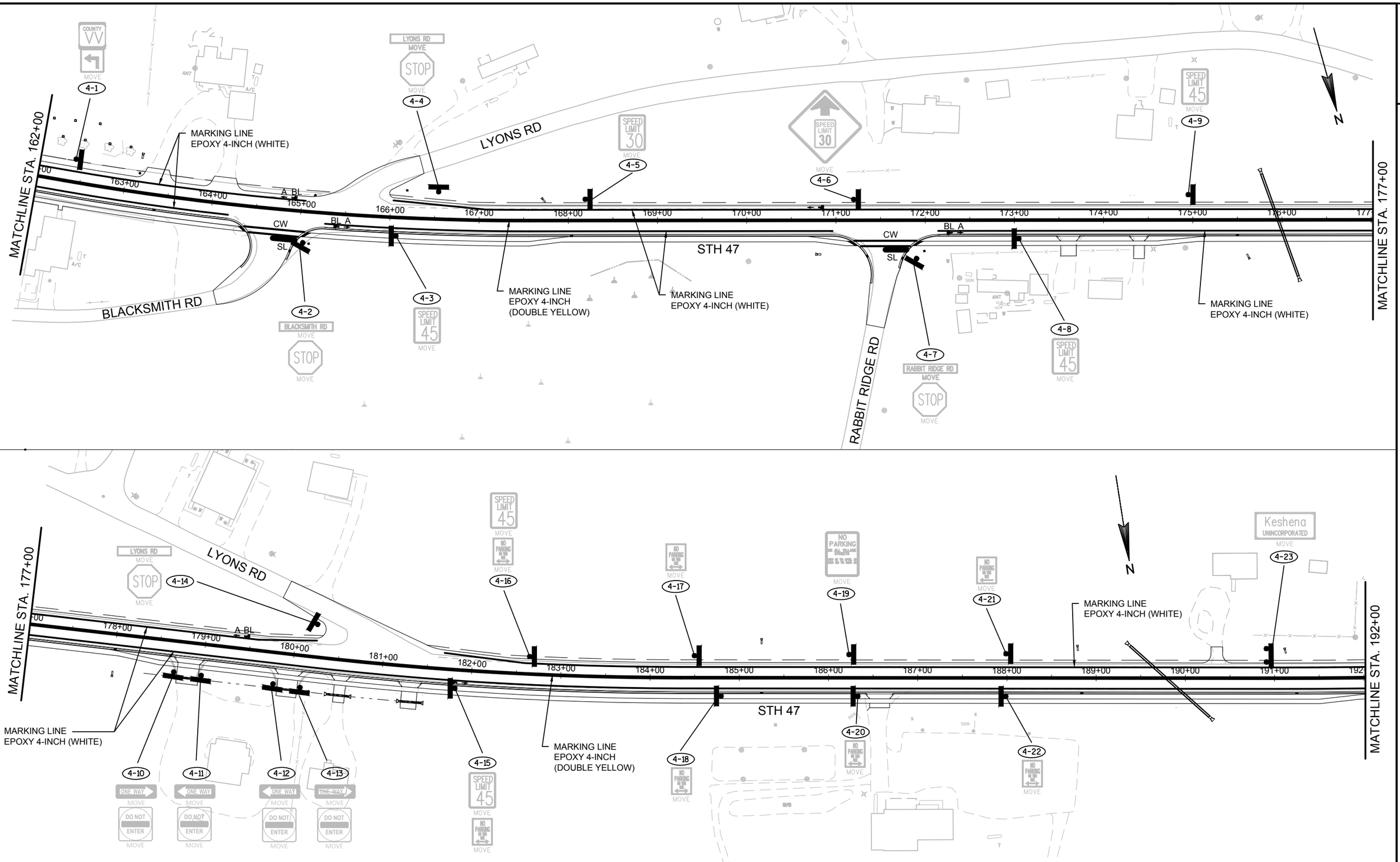
2



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0245_PS_PM.DWG PLOT DATE : 2/13/2019 8:19 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : **********

2



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

2

WOLF RIVER DR

COURTHOUSE LN

Shawano 8
MOVE

5-3

WOLF RIVER DR
MOVE

STOP
MOVE

5-4

SPEED LIMIT 45
MOVE

5-1

MATCHLINE STA. 192+00

MARKING LINE EPOXY 4-INCH (WHITE)

5-2

Menominee Court House
MOVE

Tribal Clinic
MOVE

POST OFFICE
MOVE

MARKING LINE EPOXY 4-INCH (DASHED YELLOW; 12.5 FT LINE, 37.5 FT SKIP)

SPEED LIMIT 45
MOVE

5-6

BIKE LANE
R3-17
30"X24"

AHEAD
R3-17AP
30"X12"

5-7

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)

Menominee Court House
Tribal Clinic
MOVE

5-9

SPEED LIMIT 45
MOVE

5-12

KEEP ATHUN SPONSOR MENOMINEE TRIBAL GAMING EMPLOYEES
MOVE

5-13

N

193+00 194+00 195+00 A BL 196+00 197+00 198+00 199+00 200+00 201+00 202+00 203+00 204+00 205+00 206+00

STH 47

MARKING LINE EPOXY 4-INCH (WHITE)

5-10

NORTH 47 NORTH 55
MOVE

5-11

Neopit
Antigo
Crandon
MOVE

MARKING LINE EPOXY 8-INCH (WHITE)

MATCHLINE STA. 207+00

5-5

BIKE LANE
R3-17
30"X24"

ENDS
R3-17BP
30"X12"

5-8

SPEED LIMIT 55
MOVE

STOP
MOVE

5-16

COURTHOUSE LN
MOVE

COURTHOUSE LN

SOUTH 55 SOUTH 47
MOVE

5-14

MATCHLINE STA. 207+00

208+00 209+00 210+00 211+00 212+00 213+00 214+00 215+00 216+00 217+00 218+00 219+00 220+00 221+00 222+00

STH 47

CW

MARKING LINE EPOXY 8-INCH (WHITE)

5-15

NORTH 55
MOVE

STH 55

5-17

STOP
MOVE

5-18

SOUTH 47 SOUTH 55 NORTH 47
MOVE

NORTH 55
MOVE

5-19

Shawano
Crandon
MOVE

5-21

5-20

NORTH 47
MOVE

5-XX

MEMORIAL BRIDGE
MOVE

5-22

WOLF RIVER
MOVE

WOLF RIVER

MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)

MARKING LINE EPOXY 4-INCH (WHITE)

WOLF RIVER
MOVE

5-23

NO PASSING ZONE
MOVE

5-25

MEMORIAL BRIDGE
MOVE

5-XX

5-24

COUNTY VV
MOVE

KEEP ATHUN SPONSOR COLLEGE OF MENOMINEE NATION
MOVE

SPEED LIMIT 45
MOVE

5-26

JCT 55
MOVE

5-28

5-27

NO PASSING ZONE
MOVE

47 COUNTY VV
MOVE

STOP
MOVE

5-30

5-31

CTH VV

COUNTY VV
MOVE

5-33

5-29

COUNTY VV
MOVE

MENOMINEE NATION
MOVE

OSHKOSH RD

5-32

STH 47
OSHKOSH RD
MOVE

STOP
MOVE

N

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PERMANENT SIGNING AND PAVEMENT MARKING	SHEET	E

STAGE 1A TRAFFIC

TRAFFIC WILL BE RESTRICTED TO ONE 11 FOOT TRAVEL LANE ON SOUTHBOUND STH 47 IN THE AREA NEAR THE STH 47 & CTH VV (SOUTH) INTERSECTION

CTH VV (SOUTH) TRAFFIC WILL BE MAINTAINED ON ONE 11 FOOT LANE ON THE EXISTING ASPHALT PAVEMENT

STAGE 1B TRAFFIC

TRAFFIC WILL BE RESTRICTED TO ONE 11 FOOT TRAVEL LANE ON NORTHBOUND STH 47 IN THE AREA NEAR THE STH 47 & CTH VV (SOUTH) INTERSECTION

CTH VV (SOUTH) TRAFFIC WILL BE MAINTAINED ON ONE 11 FOOT LANE ON THE EXISTING ASPHALT PAVEMENT

STAGE 1C TRAFFIC

TRAFFIC WILL BE RESTRICTED TO ONE 11 FOOT TRAVEL LANE ON NORTHBOUND STH 47 IN THE AREA NEAR THE STH 47 & CTH VV (SOUTH) INTERSECTION

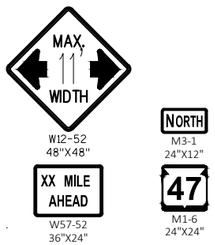
CTH VV (SOUTH) TRAFFIC WILL BE CLOSED TO TRAFFIC

STAGE 1D TRAFFIC

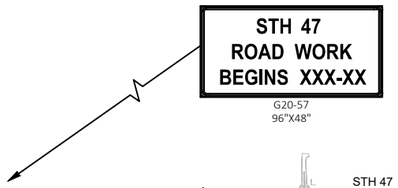
TRAFFIC WILL BE RESTRICTED TO ONE 11 FOOT TRAVEL LANE ON NORTHBOUND STH 47 BETWEEN STH 55 AND CTH VV (NORTH)

STAGE 1E TRAFFIC

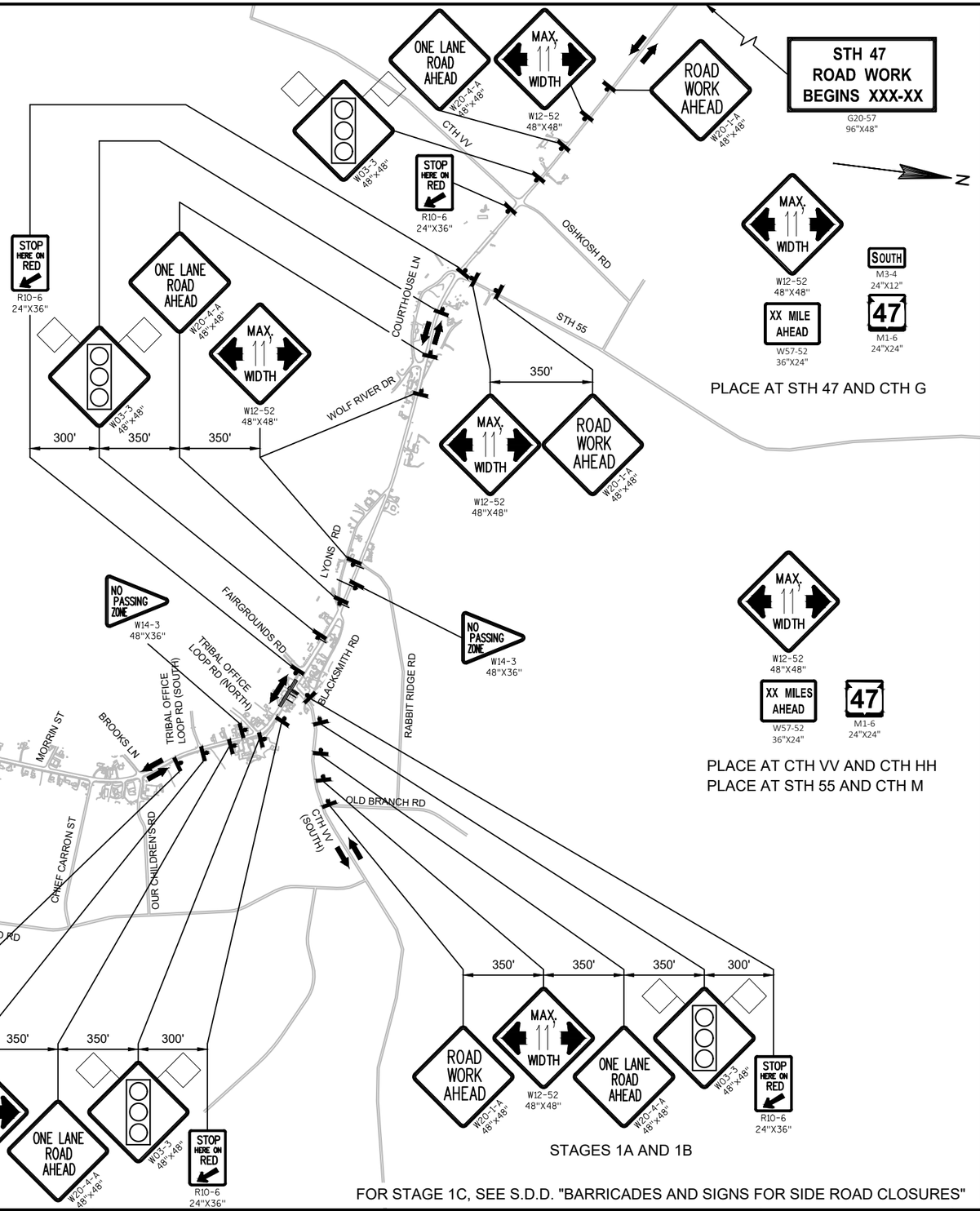
TRAFFIC WILL BE RESTRICTED TO ONE 11 FOOT TRAVEL LANE ON SOUTHBOUND STH 47 BETWEEN STH 55 AND CTH VV (NORTH)



PLACE AT STH 47 AND CTH A



NOTE:
INSTALL TRAFFIC CONTROL SIGNS FIXED MESSAGE ALONG STH 47 AT EACH END OF THE PROJECT 7 DAYS PRIOR TO CONSTRUCTION.
PLACE TRAFFIC CONTROL SIGNS FIXED MESSAGE 0.5 MILES FROM START/ END OF PROJECT LIMITS.



PLACE AT STH 47 AND CTH G

PLACE AT CTH VV AND CTH HH
PLACE AT STH 55 AND CTH M

STAGES 1A AND 1B

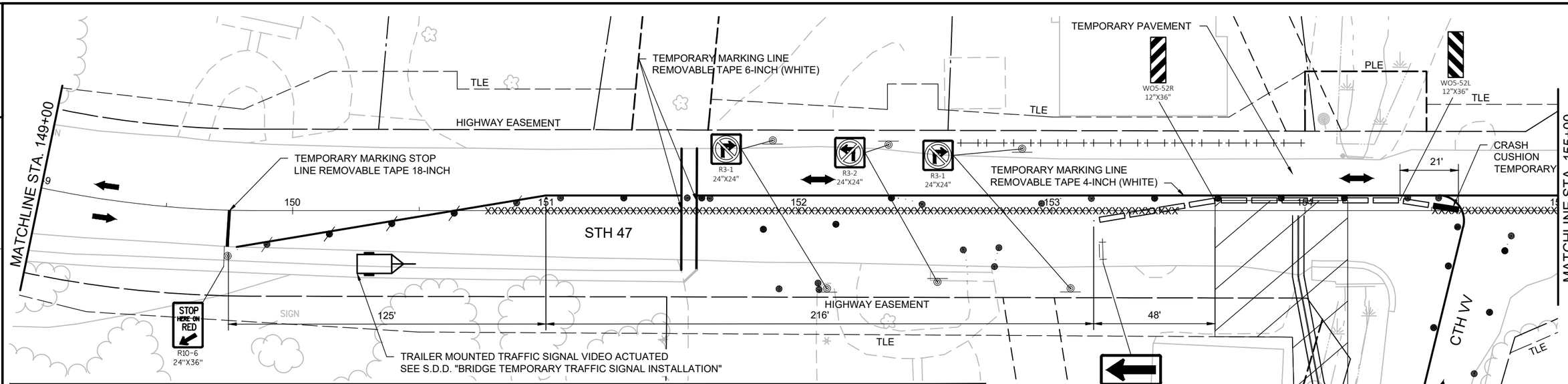
FOR STAGE 1C, SEE S.D.D. "BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES"

LEGEND - TRAFFIC CONTROL

- WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM (PREVIOUSLY INSTALLED)
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT (PREVIOUSLY INSTALLED)
- SIGN ON PERMANENT SUPPORT
- CONCRETE BARRIER TEMPORARY PRECAST
- XXXXXX REMOVING PAVEMENT MARKING

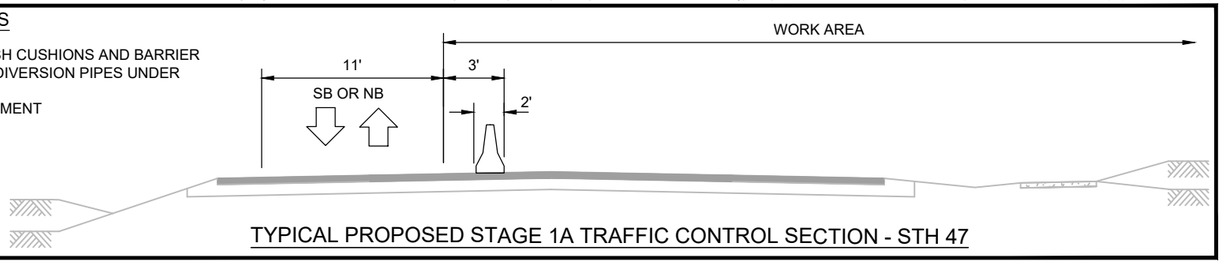
PROJECT NO: 9650-17-61/70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 1 OVERVIEW	SHEET	E

2

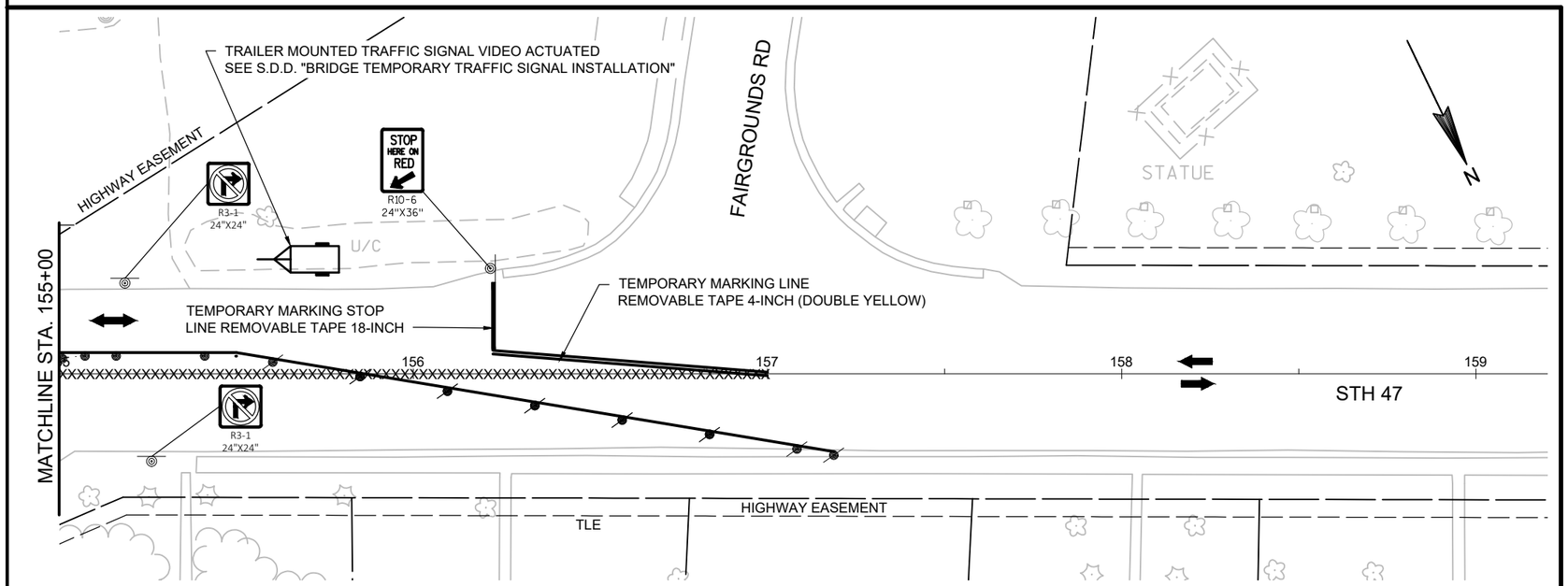


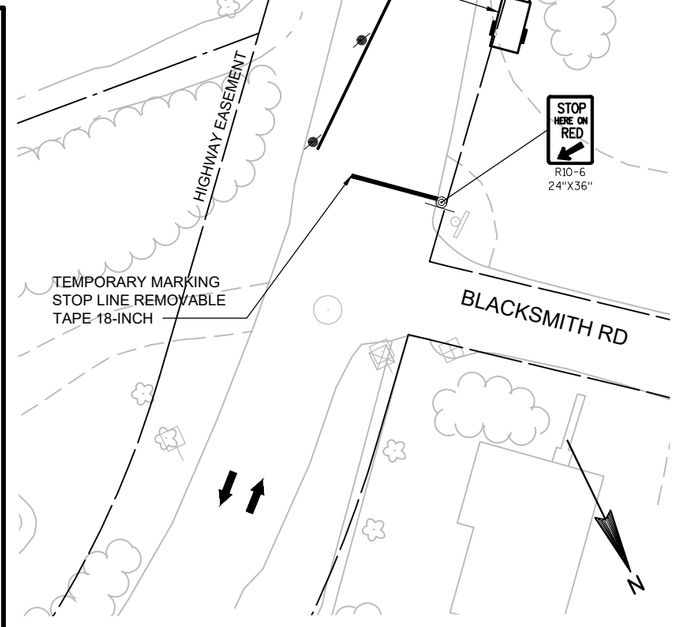
STAGE 1A WORK ITEMS

1. INSTALL TEMPORARY CRASH CUSHIONS AND BARRIER
2. CONSTRUCT TEMPORARY DIVERSION PIPES UNDER NORTHBOUND STH 47
3. INSTALL TEMPORARY PAVEMENT



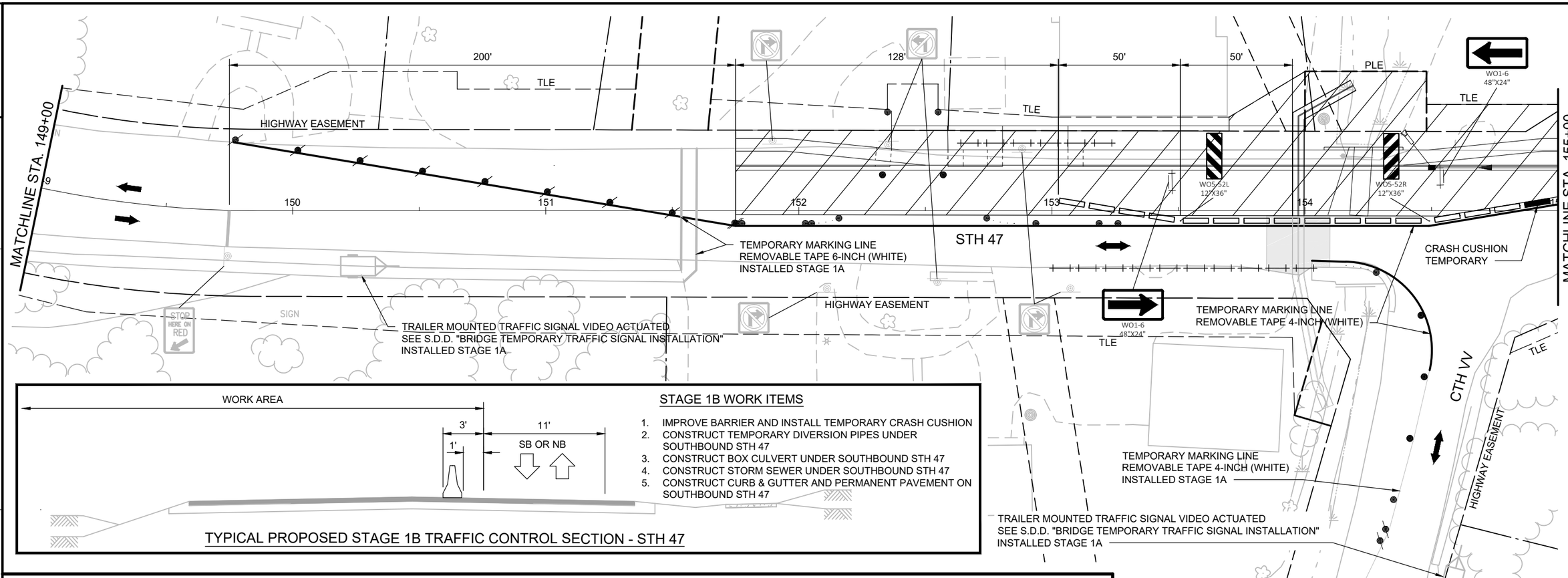
TYPICAL PROPOSED STAGE 1A TRAFFIC CONTROL SECTION - STH 47





PROJECT NO: 9650-17-61/70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 1A	SHEET	E

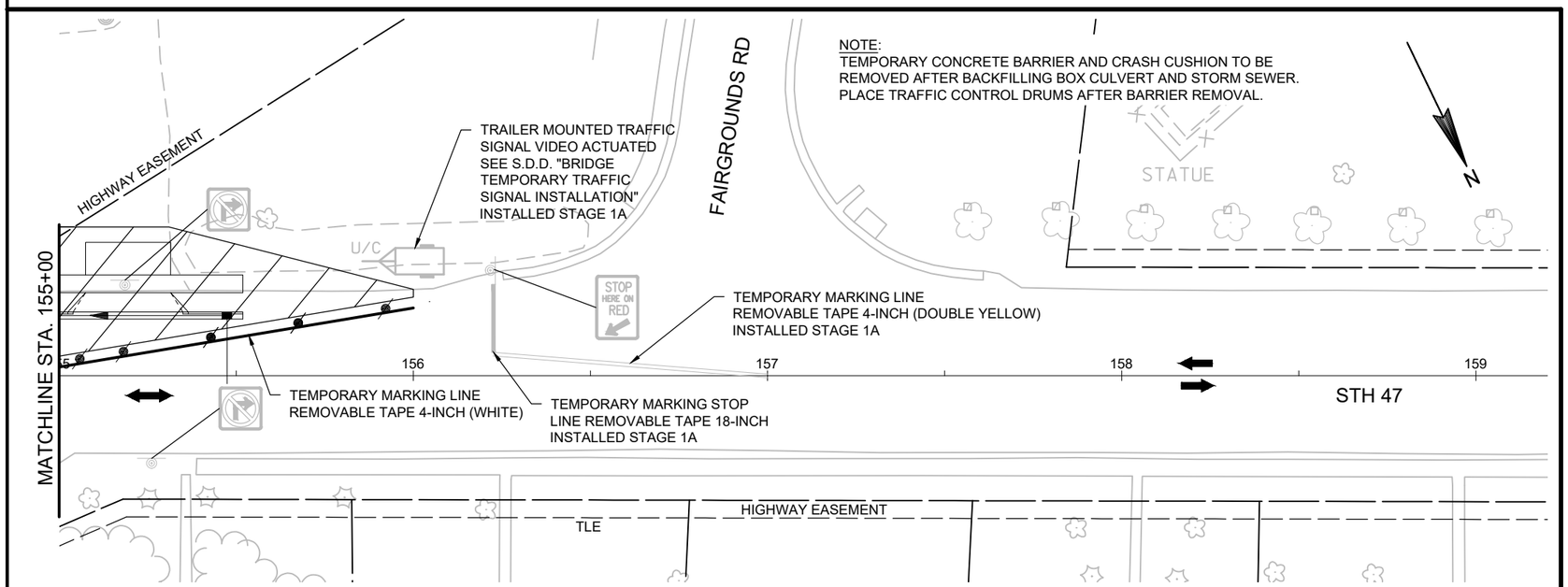
2

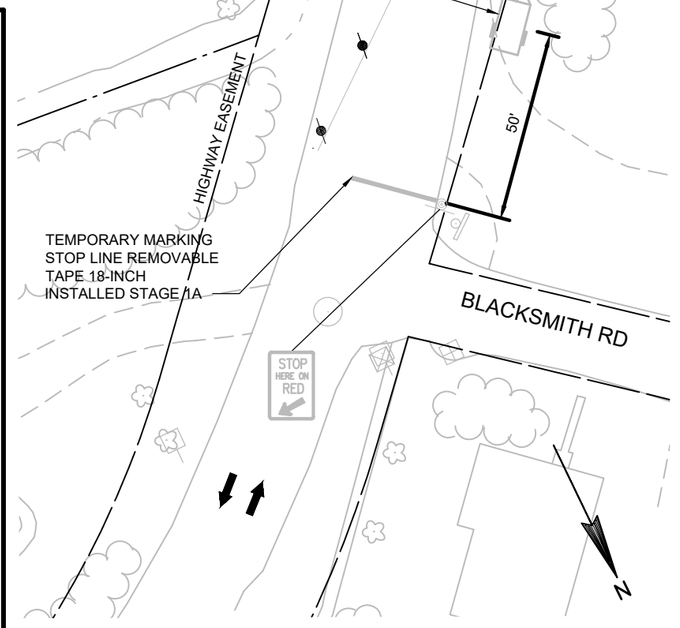


TYPICAL PROPOSED STAGE 1B TRAFFIC CONTROL SECTION - STH 47

STAGE 1B WORK ITEMS

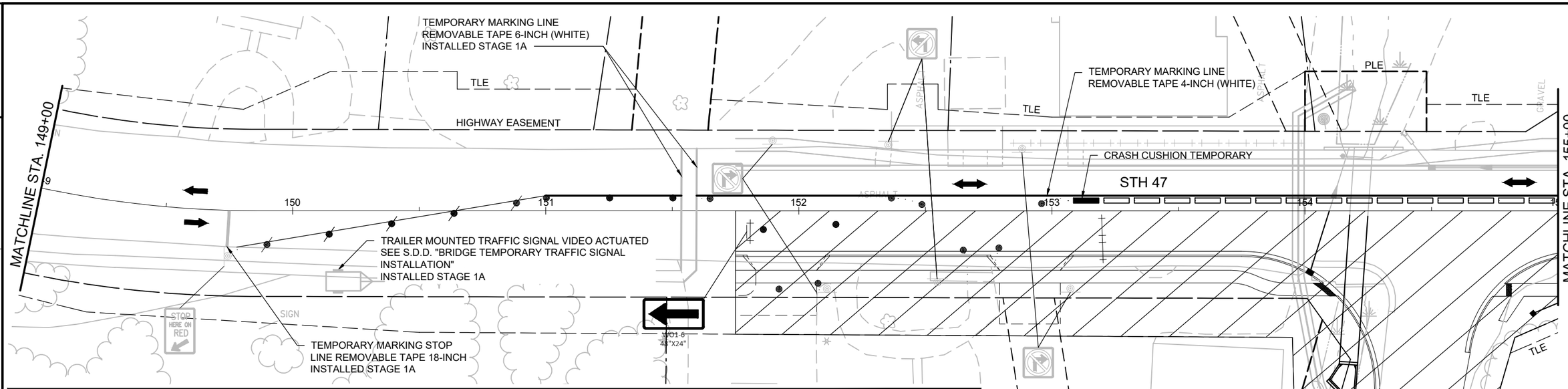
1. IMPROVE BARRIER AND INSTALL TEMPORARY CRASH CUSHION
2. CONSTRUCT TEMPORARY DIVERSION PIPES UNDER SOUTHBOUND STH 47
3. CONSTRUCT BOX CULVERT UNDER SOUTHBOUND STH 47
4. CONSTRUCT STORM SEWER UNDER SOUTHBOUND STH 47
5. CONSTRUCT CURB & GUTTER AND PERMANENT PAVEMENT ON SOUTHBOUND STH 47





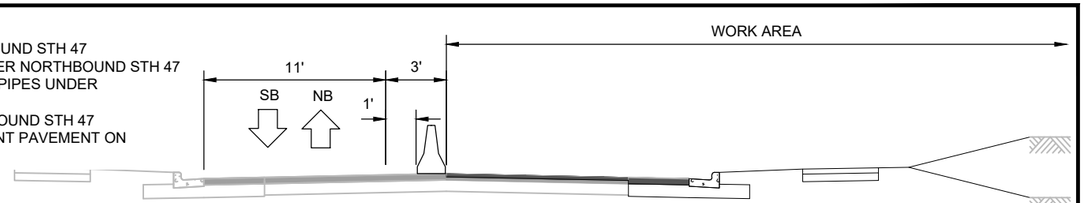
PROJECT NO: 9650-17-61/70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 1B	SHEET	E

2



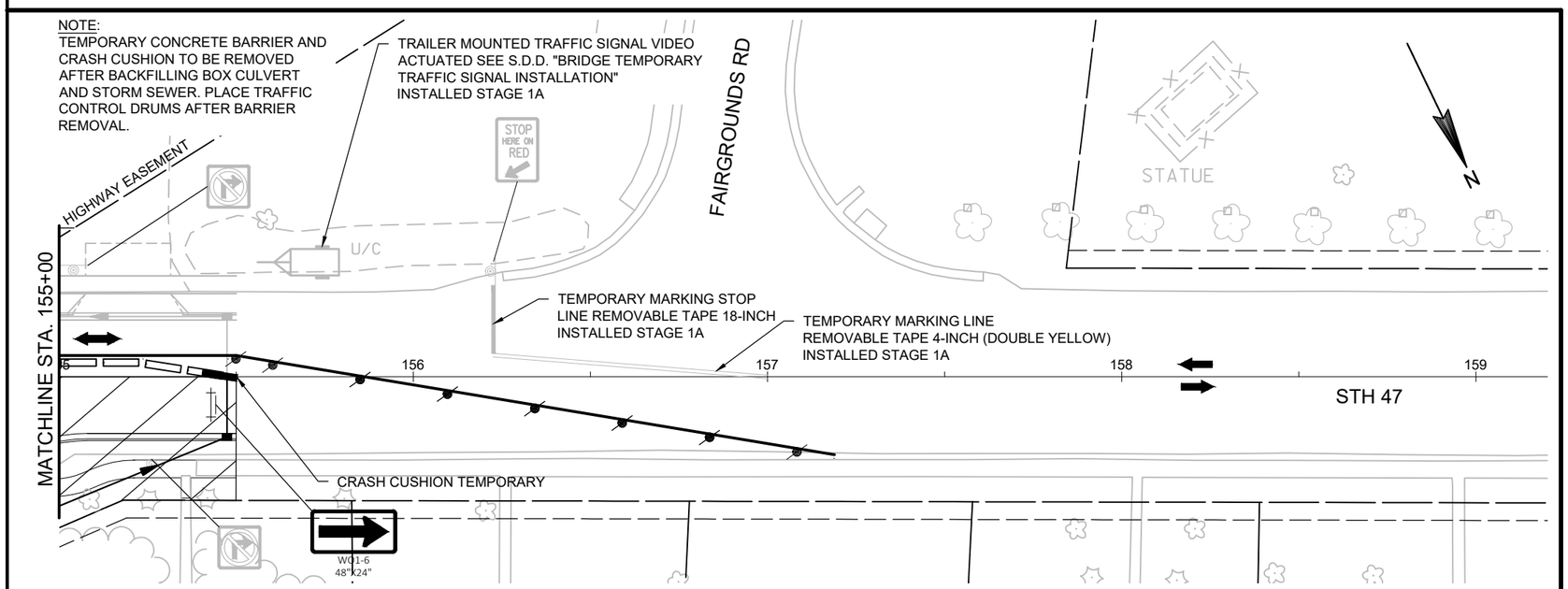
STAGE 1C WORK ITEMS

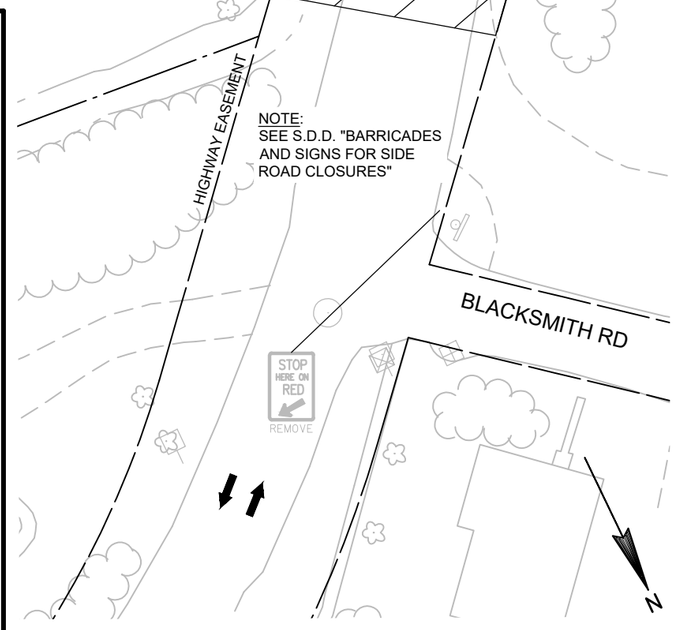
1. CONSTRUCT BOX CULVERT UNDER NORTHBOUND STH 47
2. REMOVE TEMPORARY DIVERSION PIPES UNDER NORTHBOUND STH 47
3. ABANDON IN PLACE TEMPORARY DIVERSION PIPES UNDER SOUTHBOUND STH 47
4. CONSTRUCT STORM SEWER UNDER NORTHBOUND STH 47
5. CONSTRUCT CURB & GUTTER AND PERMANENT PAVEMENT ON NORTHBOUND STH 47 AND CTH VV (SOUTH)



TYPICAL PROPOSED STAGE 1C TRAFFIC CONTROL SECTION - STH 47

NOTE:
TEMPORARY CONCRETE BARRIER AND CRASH CUSHION TO BE REMOVED AFTER BACKFILLING BOX CULVERT AND STORM SEWER. PLACE TRAFFIC CONTROL DRUMS AFTER BARRIER REMOVAL.





PROJECT NO: 9650-17-61/70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 1C	SHEET	E

2

WOLF RIVER

N

COURTHOUSE LN

TRAILER MOUNTED TRAFFIC SIGNAL VIDEO ACTUATED SEE S.D.D. "BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION"

REFER TO "SDD: TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS" FOR SIGN REQUIREMENTS AND LOCATIONS

RIPRAP

207 208 209 210 211 212

MATCHLINE STA. 212+50

STH 47

TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

5" HMA PAVEMENT
- 2.5" HMA PAVEMENT 4 LT 58-34 S (UPPER)
- 2.5" HMA PAVEMENT 3 LT 58-28 S (LOWER)

SIGN

50' 40' 100'

STOP HERE ON RED
R10-6
24"X36"

WO5-52L
12"X36"

WO5-52R
12"X36"

STH 55

RIPRAP

W

WORK AREA

4' 12' SB OR NB 2'

STAGE 1D WORK ITEMS

1. INSTALL PAVEMENT WIDENING
2. INSTALL TEMPORARY SIGNALS
3. INSTALL TEMPORARY CRASH CUSHION AND BARRIER
4. CONSTRUCT SOUTHBOUND BEAMGUARD AND SURFACE DRAIN
5. COMPLETE SOUTHBOUND BRIDGE REHABILITATION (SEE STRUCTURE PLANS)

TYPICAL PROPOSED STAGE 1D TRAFFIC CONTROL SECTION - STH 47

PROJECT NO: 9650-17-61/70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 1D	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE1D.DWG PLOT DATE : 10/2/2019 7:45 AM PLOT BY : DOLAN, ISAAC PLOT NAME :

2

2

WOLF RIVER

N

COURTHOUSE LN

TRAILER MOUNTED TRAFFIC SIGNAL VIDEO ACTUATED SEE S.D.D. "BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION"

TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

W05-52L 12"X36"

W05-52R 12"X36"

RIPRAP

REFER TO "SDD: TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS" FOR SIGN REQUIREMENTS AND LOCATIONS

207 208 209 210 211 212

MATCHLINE STA. 212+50

TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH

STH 47

CRASH CUSHION TEMPORARY

RIPRAP

SIGN

50' 40' 100'

STOP HERE ON RED

R10-6 24"X36"

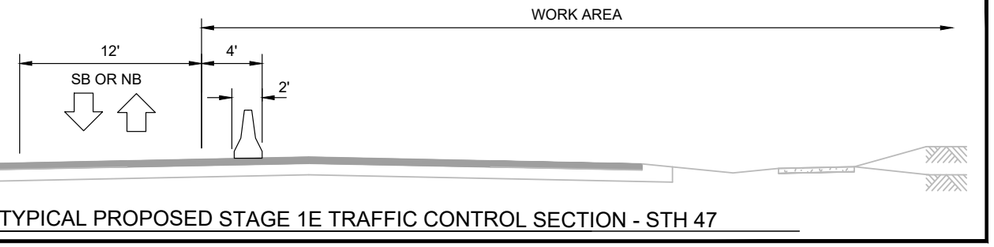
RIPRAP

STH 55

W

STAGE 1E WORK ITEMS

1. INSTALL TEMPORARY CRASH CUSHION AND BARRIER
2. CONSTRUCT NORTHBOUND BEAMGUARD AND SURFACE DRAIN
3. COMPLETE NORTHBOUND BRIDGE REHABILITATION (SEE STRUCTURE PLANS)



TYPICAL PROPOSED STAGE 1E TRAFFIC CONTROL SECTION - STH 47

PROJECT NO: 9650-17-61/70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 1E	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE1E.DWG PLOT DATE : 10/2/2019 8:07 AM PLOT BY : DOLAN, ISAAC PLOT NAME :

2

STAGE 2A WORK ITEMS

1. INSTALL CROSS PIPE UNDER NORTHBOUND LANE STH 47 AT STATION 139+66
2. TEMPORARY GRAVEL WIDENING AT STATION 139+66
3. INSTALL CROSS PIPE UNDER SOUTHBOUND LANE STH 47 AT STATION 139+66

STAGE 2B WORK ITEMS

1. CONSTRUCT SOUTHBOUND LANE STH 47 FROM DODGE RD TO STA 151+75. THIS WORK INCLUDES DODGE RD, MORRIN RD, BROOKS LN, TRIBAL OFFICE LOOP RD (SOUTH & NORTH) INTERSECTIONS AND STORM SEWER

STAGE 2 TRAFFIC

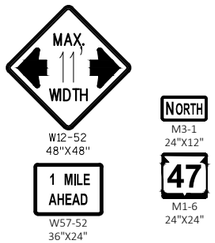
STAGE 2A - SOUTHBOUND TRAFFIC WILL REMAIN ON STH 47 AND BE SHIFTED TO TEMPORARY WIDENING LOCATIONS AT CROSS PIPE LOCATIONS. NORTHBOUND TRAFFIC WILL BE DETOURED FROM DUQUAINE RD TO CTH VV (SOUTH).

STAGE 2B - SOUTHBOUND TRAFFIC WILL REMAIN ON STH 47. NORTHBOUND TRAFFIC WILL BE DETOURED FROM DUQUAINE RD TO CTH VV (SOUTH).

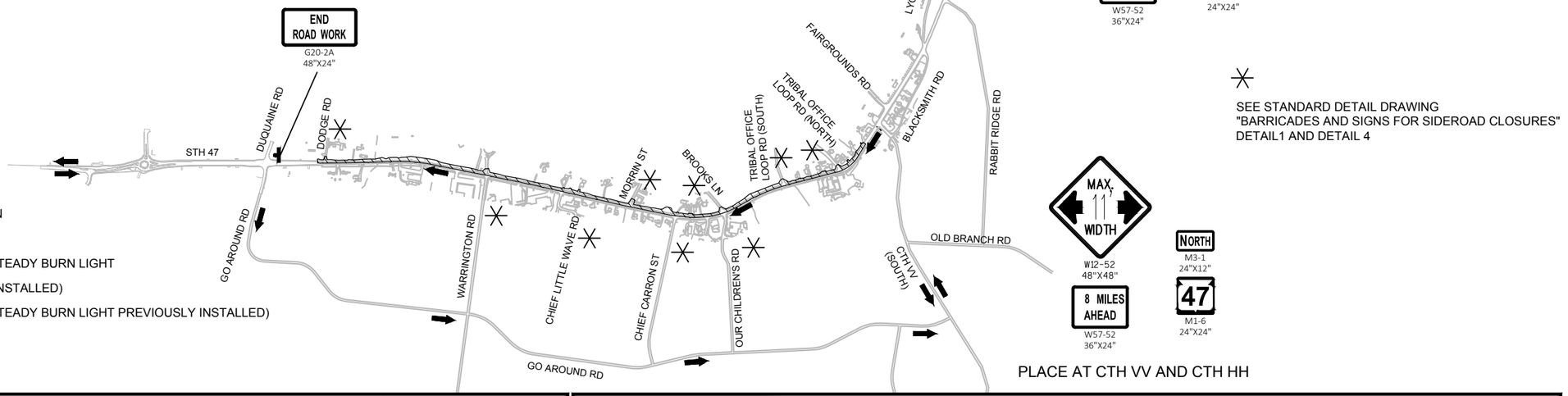
NOTES:

ALL RIGHT-TURNS FROM THE EAST SIDE STREETS AND ALL LEFT-TURNS FROM THE WEST SIDE STREETS WILL BE PROHIBITED DURING CONSTRUCTION.

ACCESS TO BE MAINTAINED TO DODGE ROAD, TRIBAL OFFICE LOOP ROAD(SOUTH), AND TRIBAL OFFICE LOOP ROAD(NORTH) AT ALL TIMES. MORRIN STREET AND BROOKS LANE WILL NEED TO BE CLOSED BUT WILL NOT BE ALLOWED TO BE CLOSED AT THE SAME TIME. CONSTRUCT MAIN ENTRANCE TO MENOMINEE INDIAN HIGH SCHOOL HALF AT A TIME TO ALLOW BUS/ VEHICLE TRAFFIC.

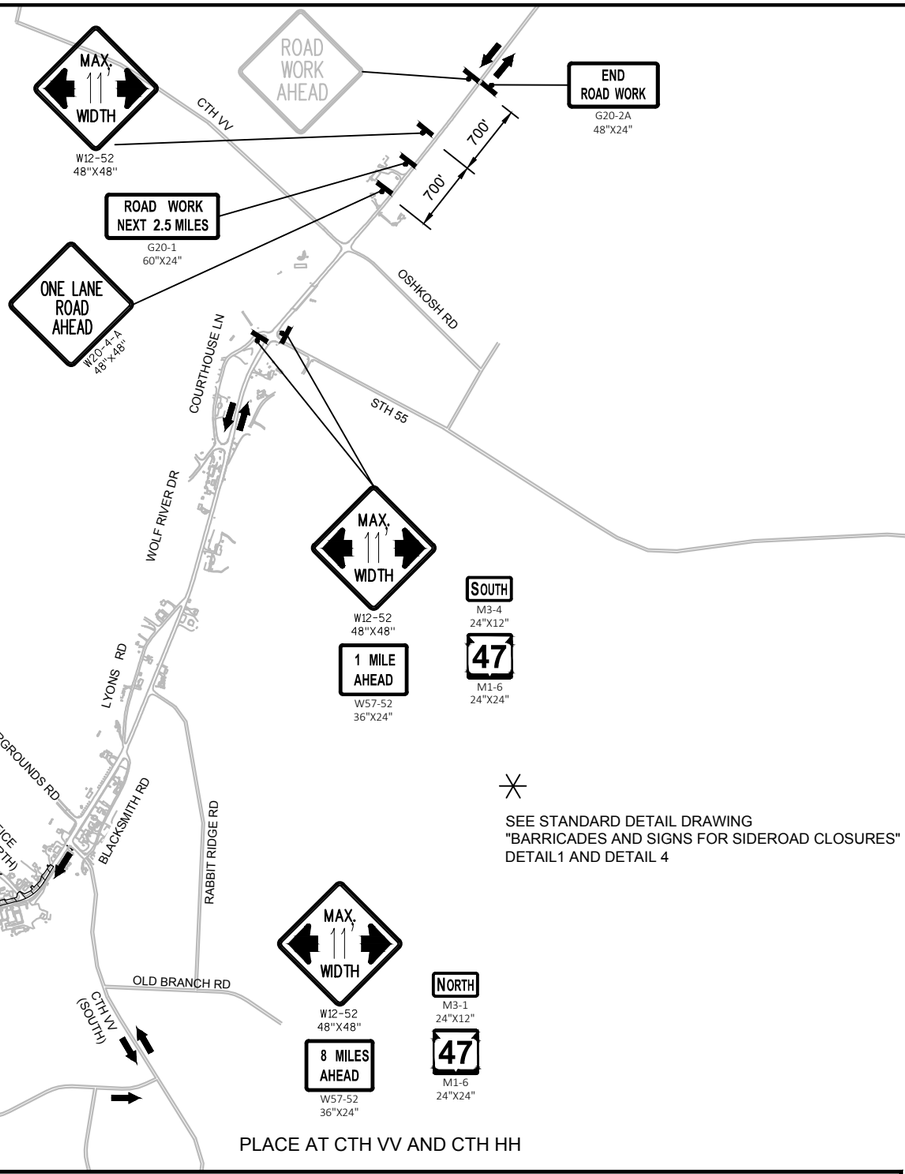


PLACE AT STH 47 AND CTH A



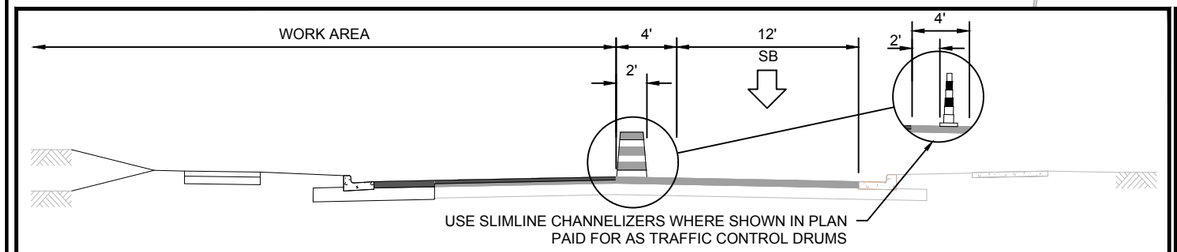
LEGEND - TRAFFIC CONTROL

- WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM (PREVIOUSLY INSTALLED)
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT PREVIOUSLY INSTALLED)
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT

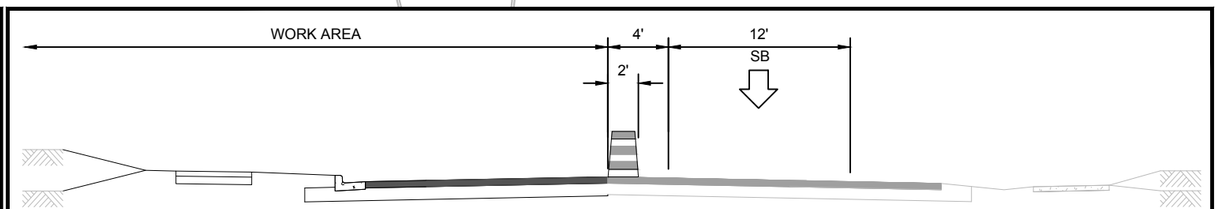


SEE STANDARD DETAIL DRAWING
"BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"
DETAIL1 AND DETAIL 4

PLACE AT CTH VV AND CTH HH



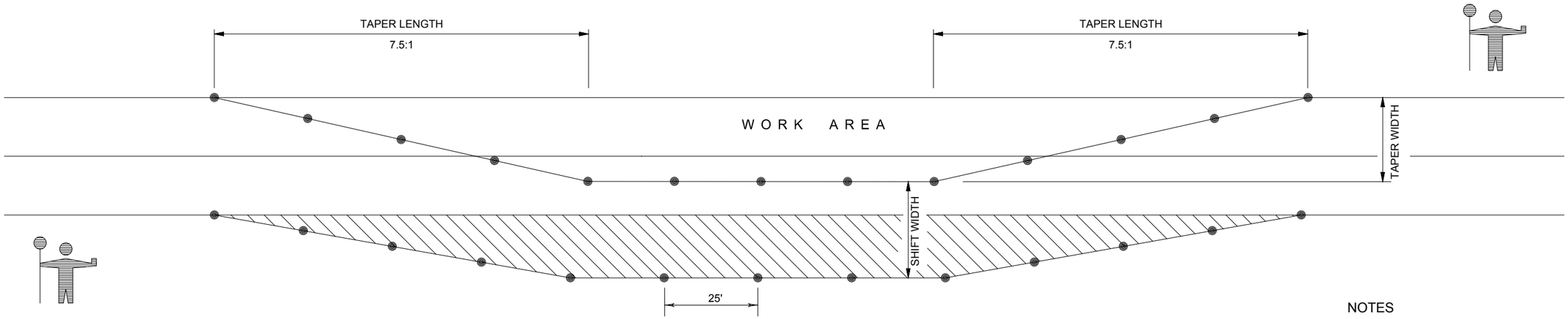
TYPICAL PROPOSED STAGE 2 TRAFFIC CONTROL SECTION - STH 47
STA 82+45 - STA 146+00

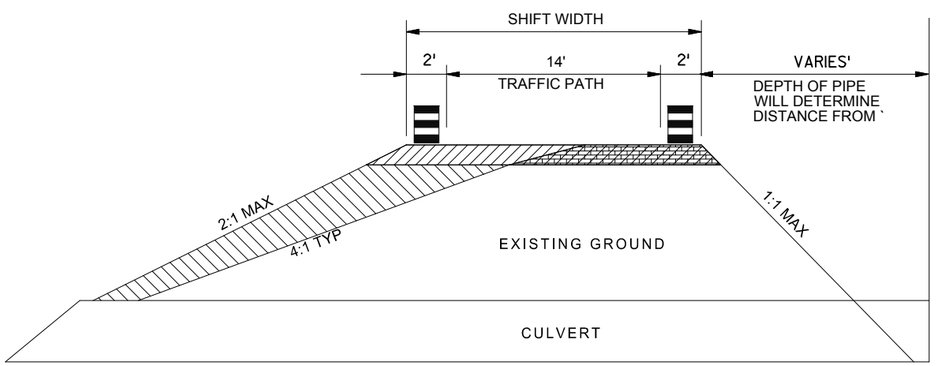


TYPICAL PROPOSED STAGE 2 TRAFFIC CONTROL SECTION - STH 47
STA 146+00 - STA 151+75

PROJECT NO: 9650-17-61/70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 2 OVERVIEW	SHEET	E

2





LANE SHIFT DETAIL

STA 139+66 CROSS CULVERT

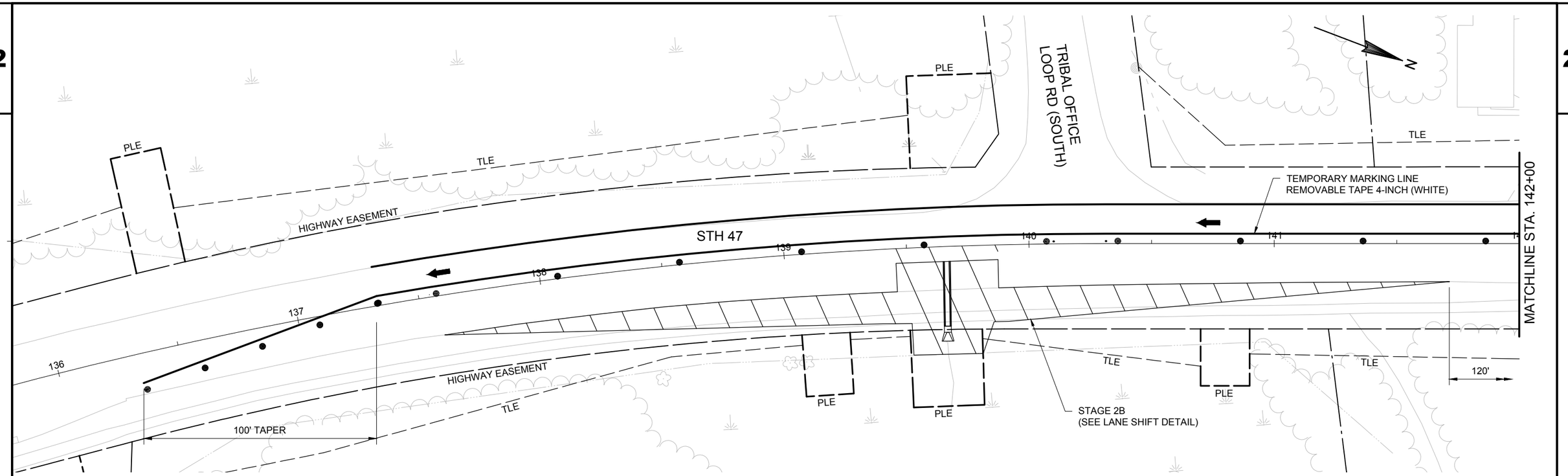
NOTES

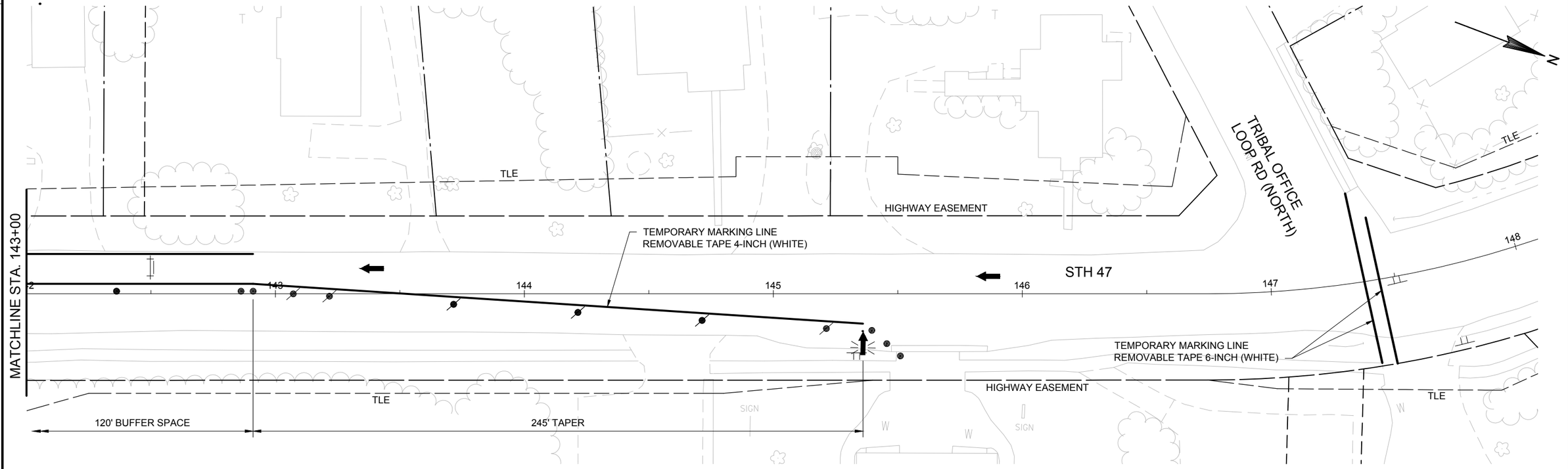
1. USE WITH SDD "TRAFFIC CONTROL FOR LANE CLOSURE"
2. FLAGGERS ARE SPECIFIC TO THIS OPERATION
3. THE TAPER SHOULD EXTEND ACROSS THE SHOULDER UNLESS DOING SO WOULD GREATLY CONFLICT WITH THE WORK OPERATION
4. ALL LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL DEVICES REMOVED BEYOND THE SHOULDER WHEN WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION
5. CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM TRAVEL LANE WHEN WORK IS NOT IN PROGRESS

KEY	
●	DRUM WITHOUT WARNING LIGHT
▨	FILL - INCIDENTAL TO LANE SHIFT ITEM
▨	EXISTING PAVED SURFACE OR 6" BASE AGGREGATE DENSE 1 1/4 INCH - INCIDENTAL TO LANE SHIFT ITEM
▨	6" BASE AGGREGATE DENSE 1 1/4 INCH - INCIDENTAL TO LANE SHIFT ITEM

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 2 TEMPORARY LANE SHIFT DETAIL	SHEET	E

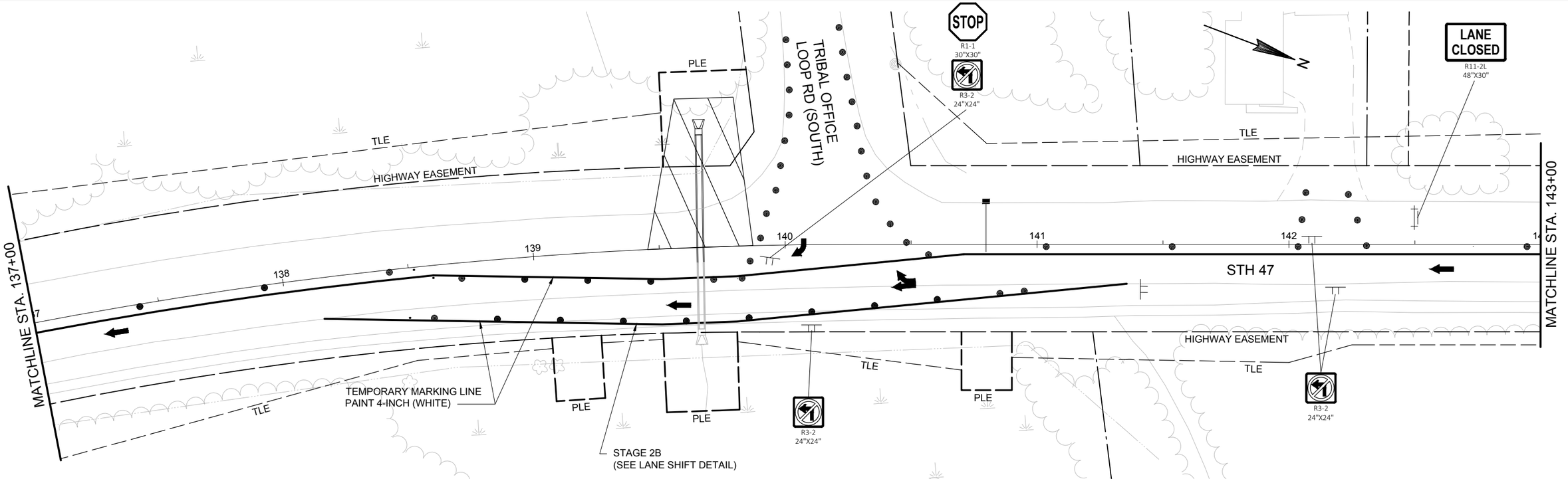
2





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL-STAGE 2A CROSS PIPE STH 47 NB INSTALLATION	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE2.DWG PLOT DATE : 1/10/2019 11:49 AM PLOT BY : KOCH, LARRY PLOT NAME :



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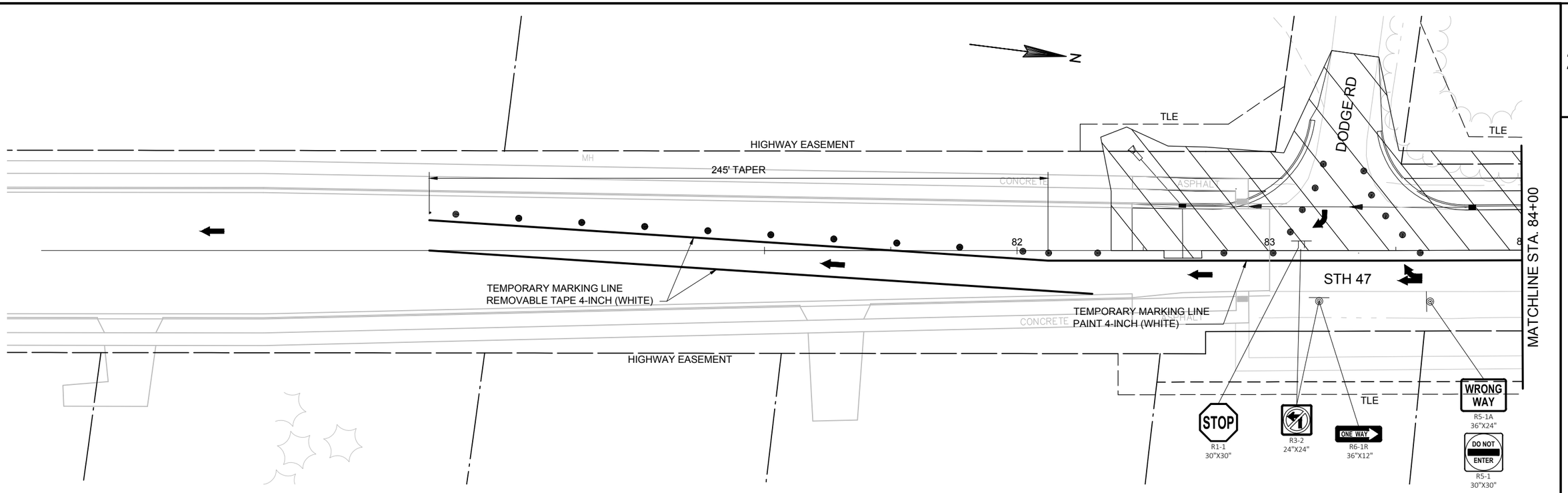
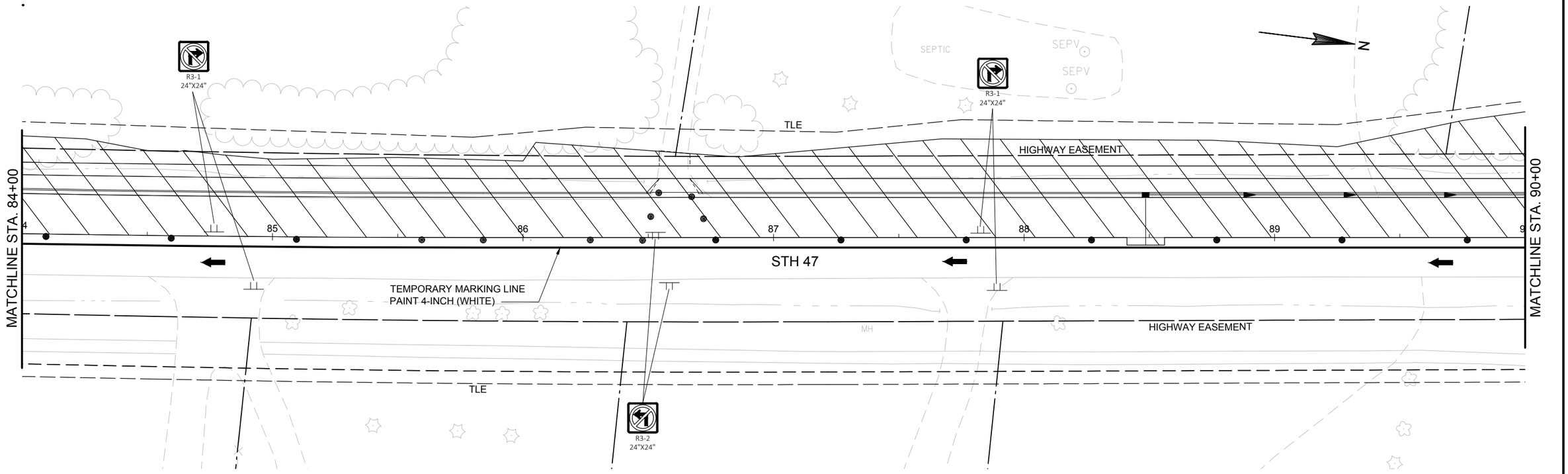
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL-STAGE 2A CROSS PIPE STH 47 SB INSTALLATION	SHEET	E

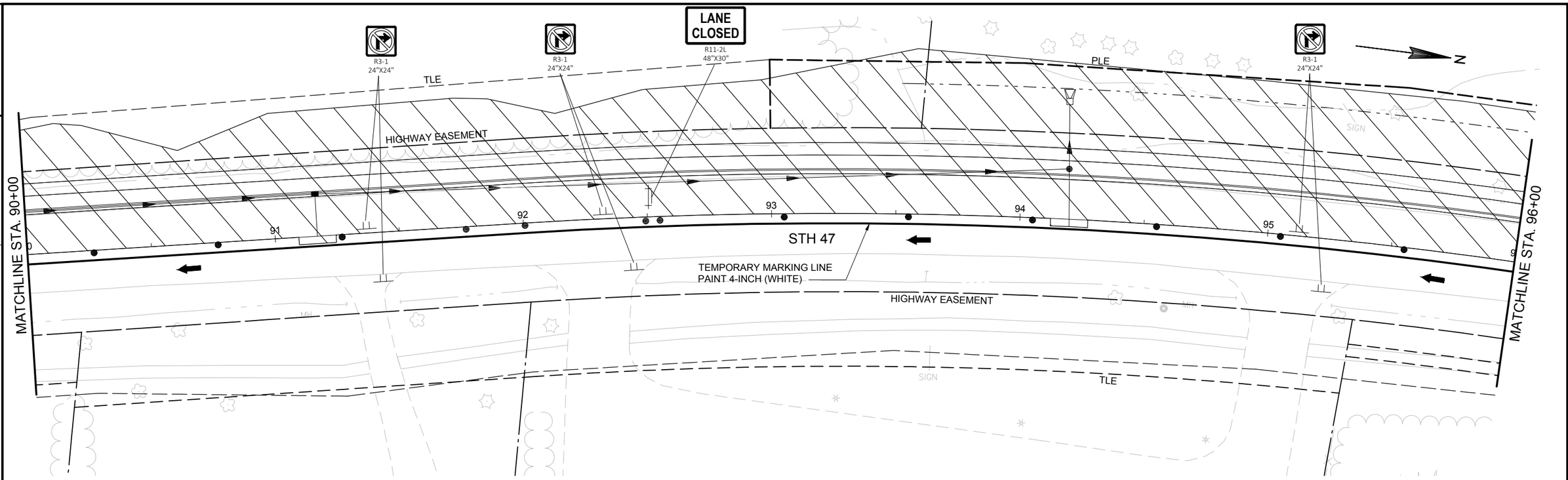
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE2.DWG PLOT DATE : 1/10/2019 11:49 AM PLOT BY : KOCH, LARRY PLOT NAME :

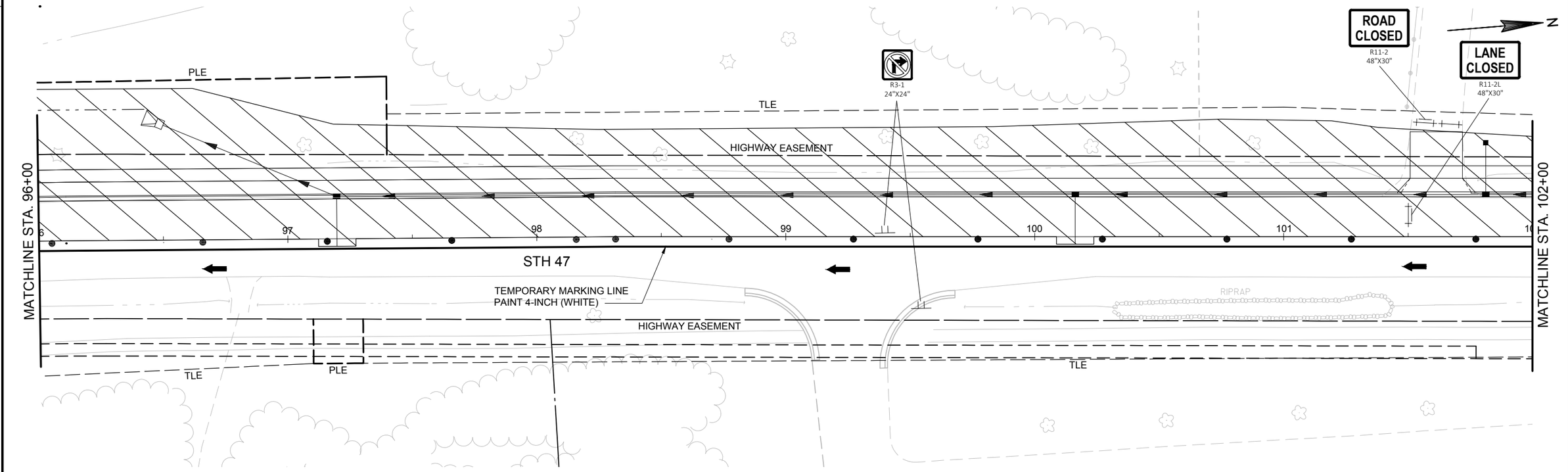




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 2B	SHEET	E

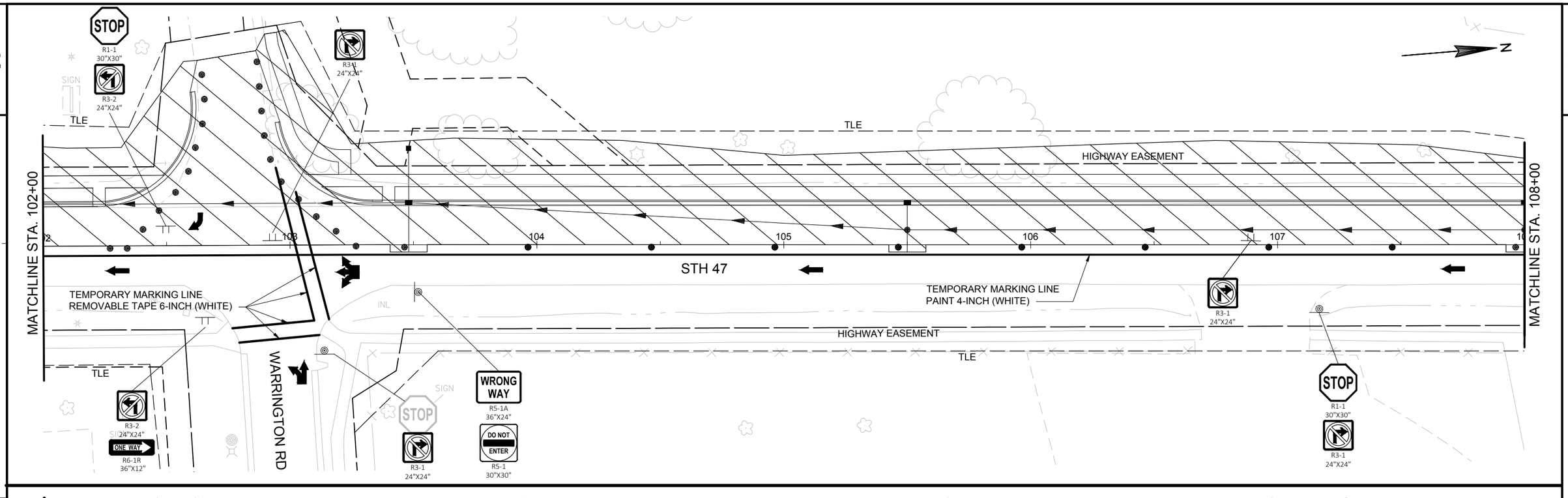
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE2.DWG PLOT DATE : 1/10/2019 11:49 AM PLOT BY : KOCH, LARRY PLOT NAME :

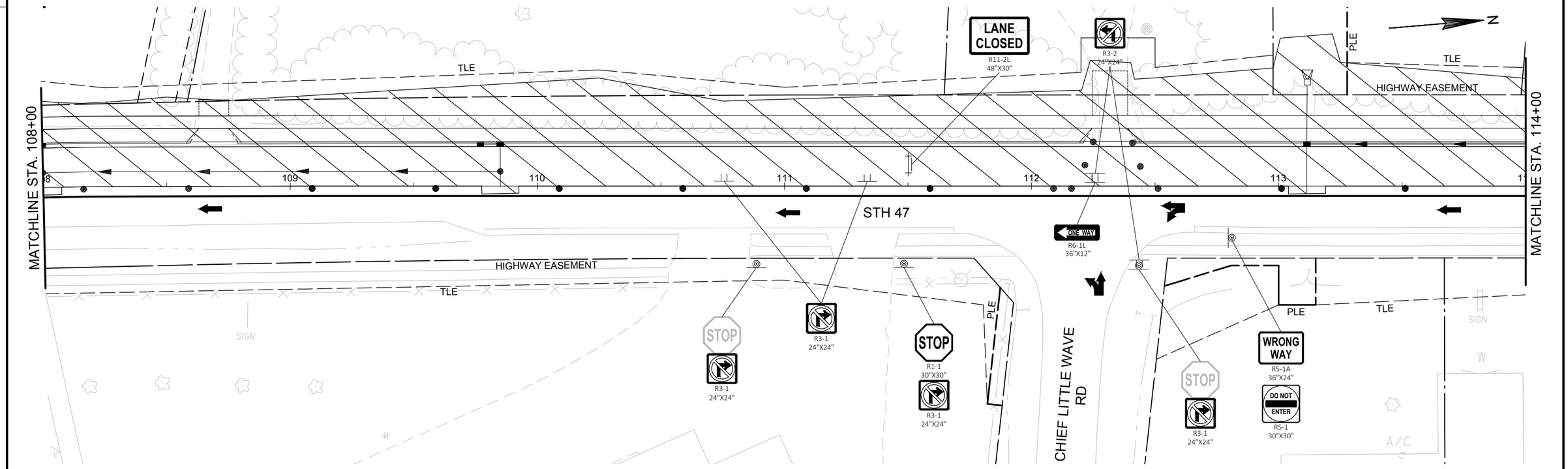




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 2B	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE2.DWG PLOT DATE : 1/10/2019 11:49 AM PLOT BY : KOCH, LARRY PLOT NAME :





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 2B	SHEET	E

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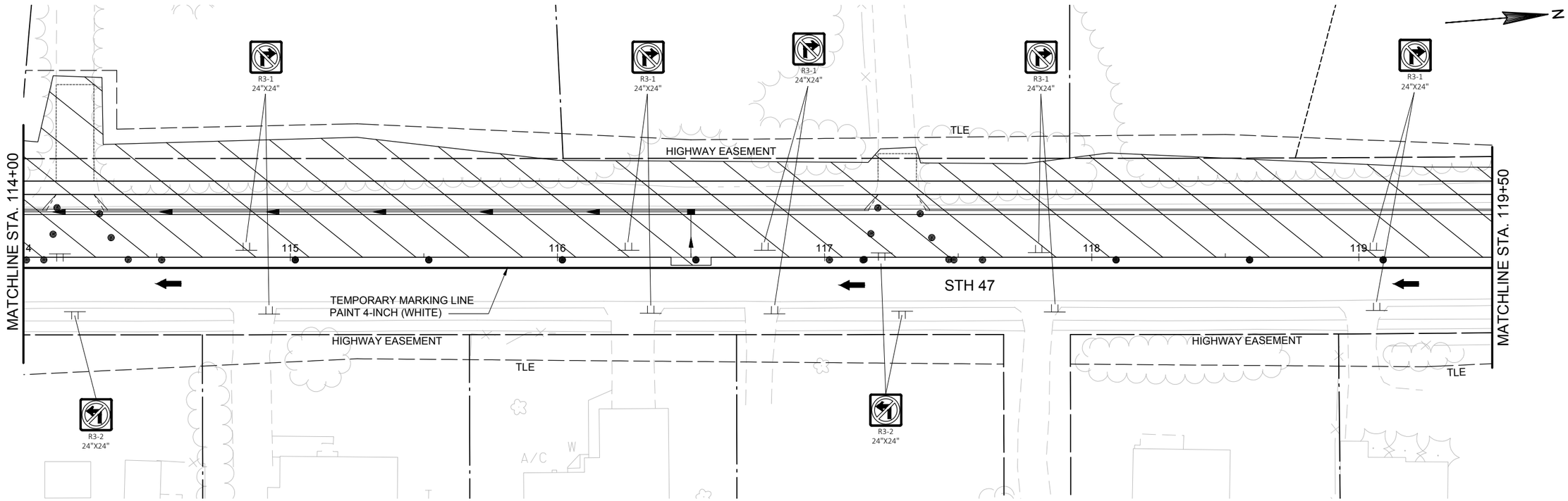
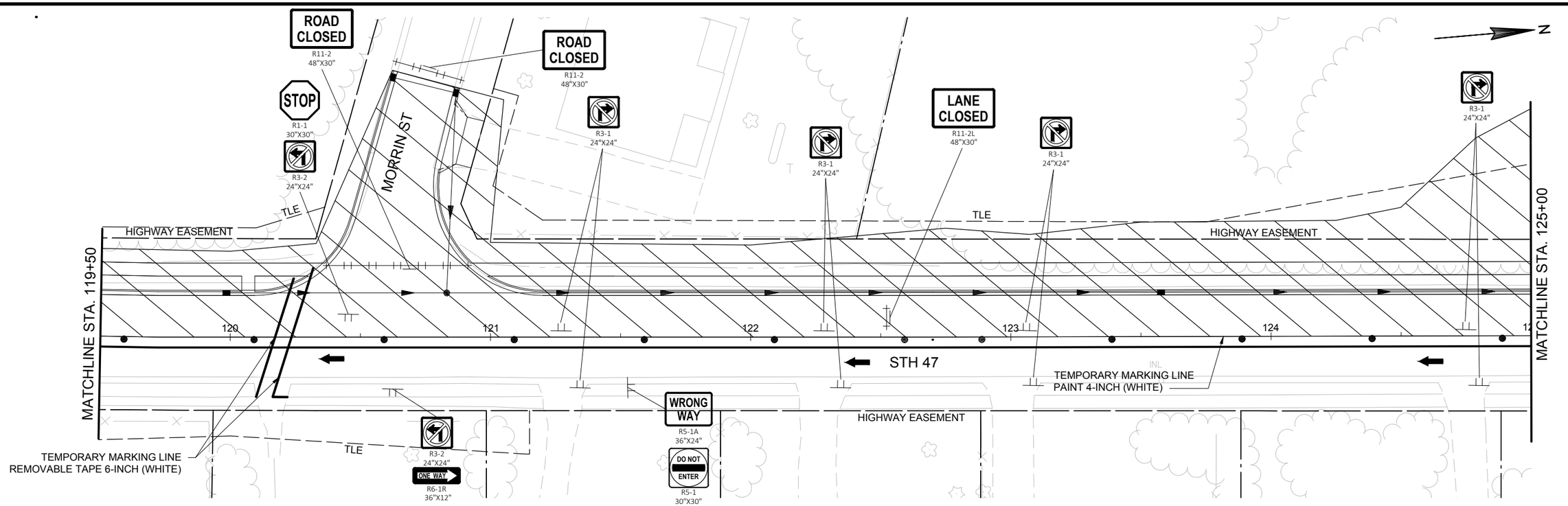




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 2B	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE2.DWG PLOT DATE : 1/10/2019 11:50 AM PLOT BY : KOCH, LARRY PLOT NAME :

2

N

MATCHLINE STA. 125+00

MATCHLINE STA. 131+00

MATCHLINE STA. 131+00

MATCHLINE STA. 137+00

PLE

TLE

HIGHWAY EASEMENT

R3-2
24"X24"

STH 47

ONE WAY
R6-1L
36"X12"

WRONG WAY
R5-1A
36"X24"

DO NOT ENTER
R5-1
30"X30"

STOP
R1-1
30"X30"

R3-1
24"X24"

CHIEF CARRON ST

SIGN

TEMPORARY MARKING LINE
PAINT 4-INCH (WHITE)

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

BROOKS LN

OUR CHILDREN'S RD

INL

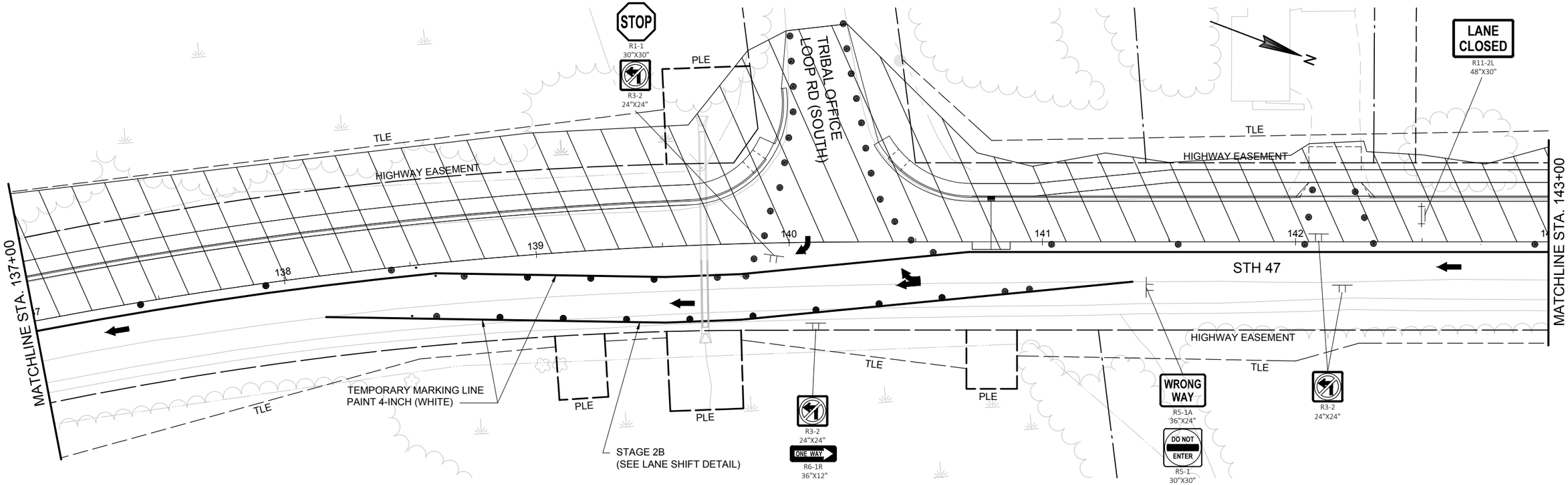
RIPRAP

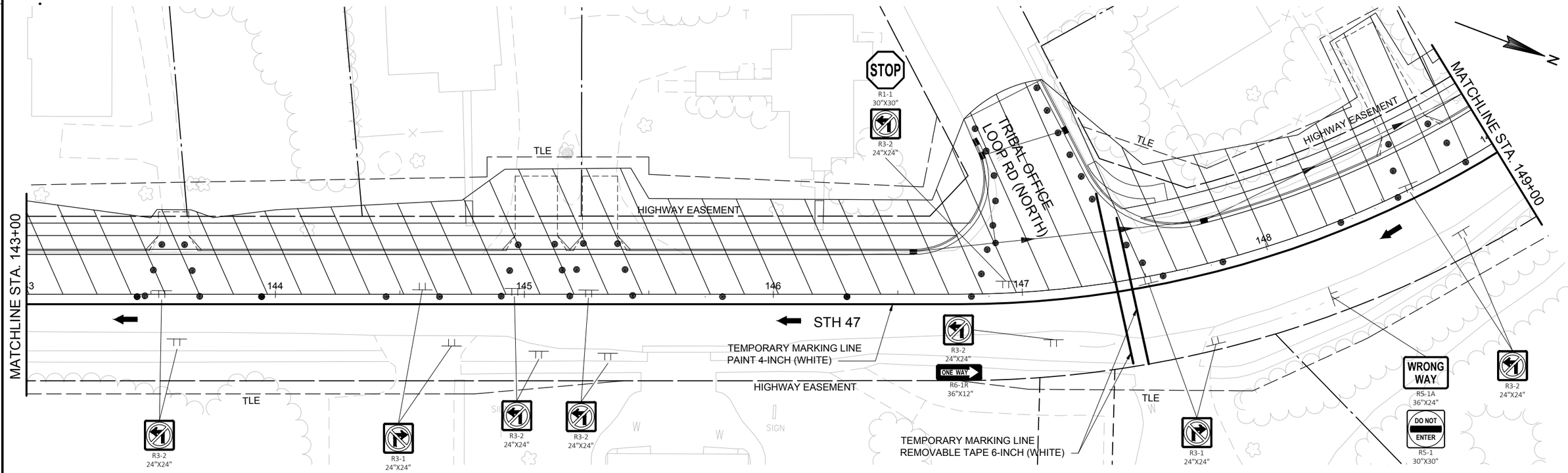
W

125
126
127
128
129
130
132
133
134
135
136

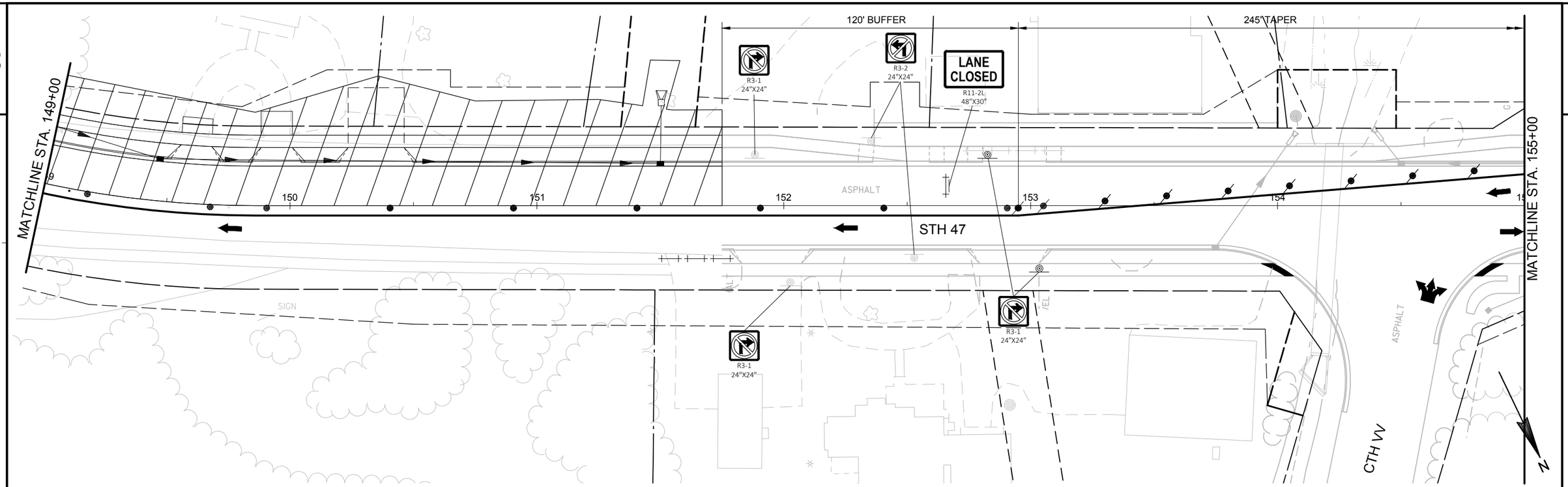
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 2B	SHEET	E

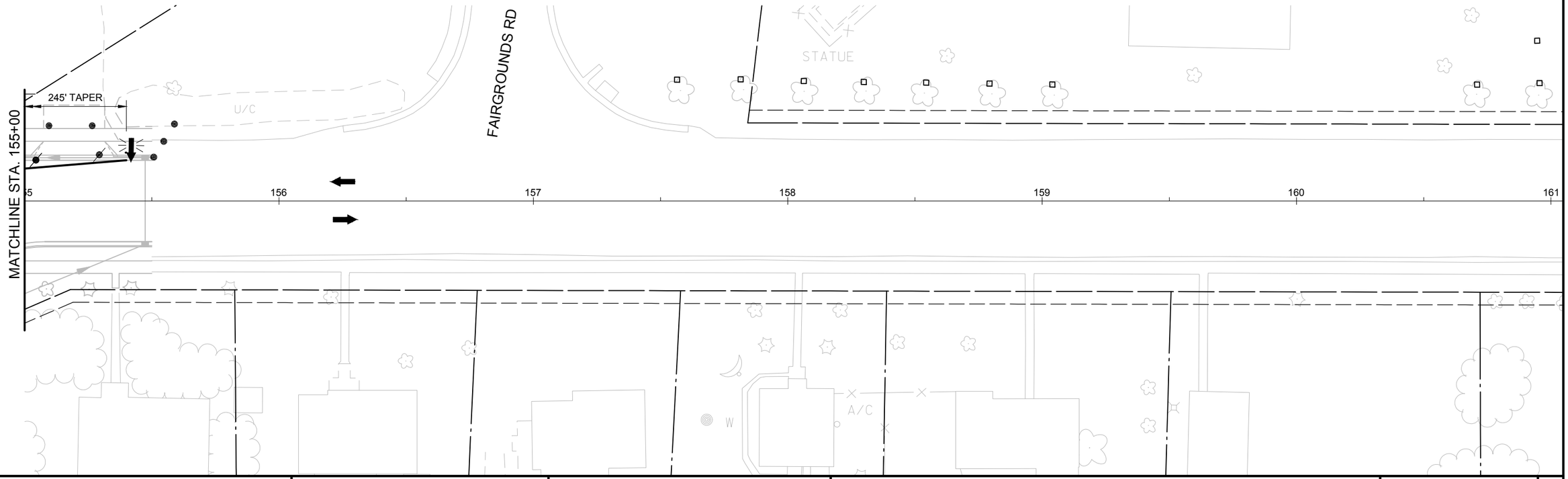
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE2.DWG PLOT DATE : 1/10/2019 11:50 AM PLOT BY : KOCH, LARRY PLOT NAME :



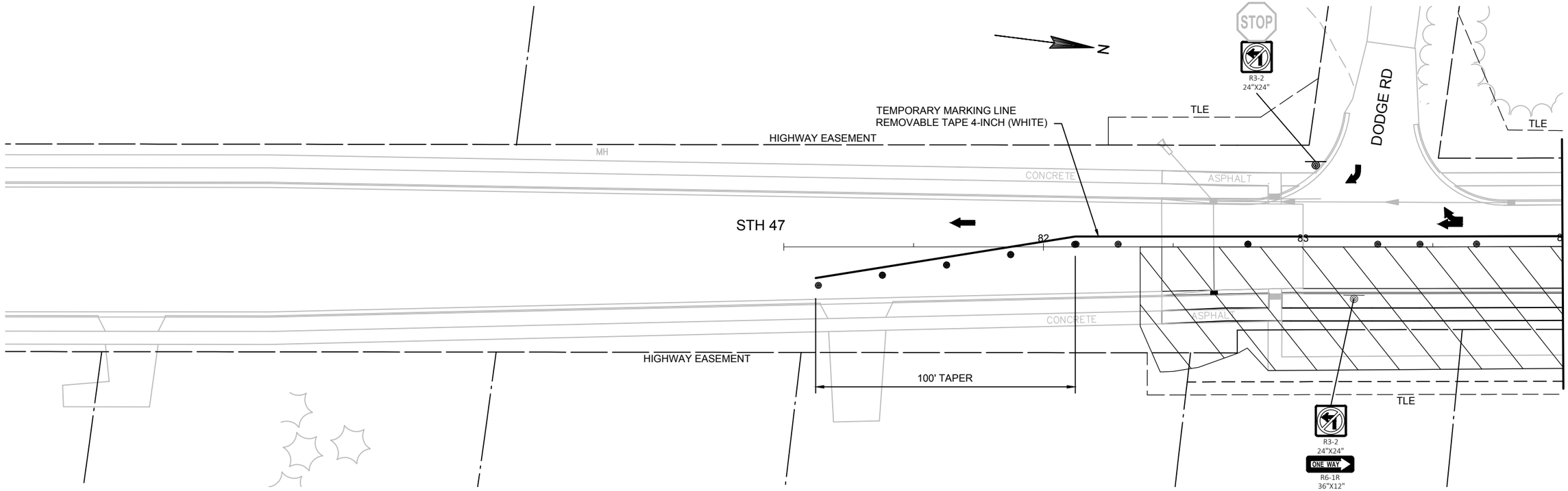


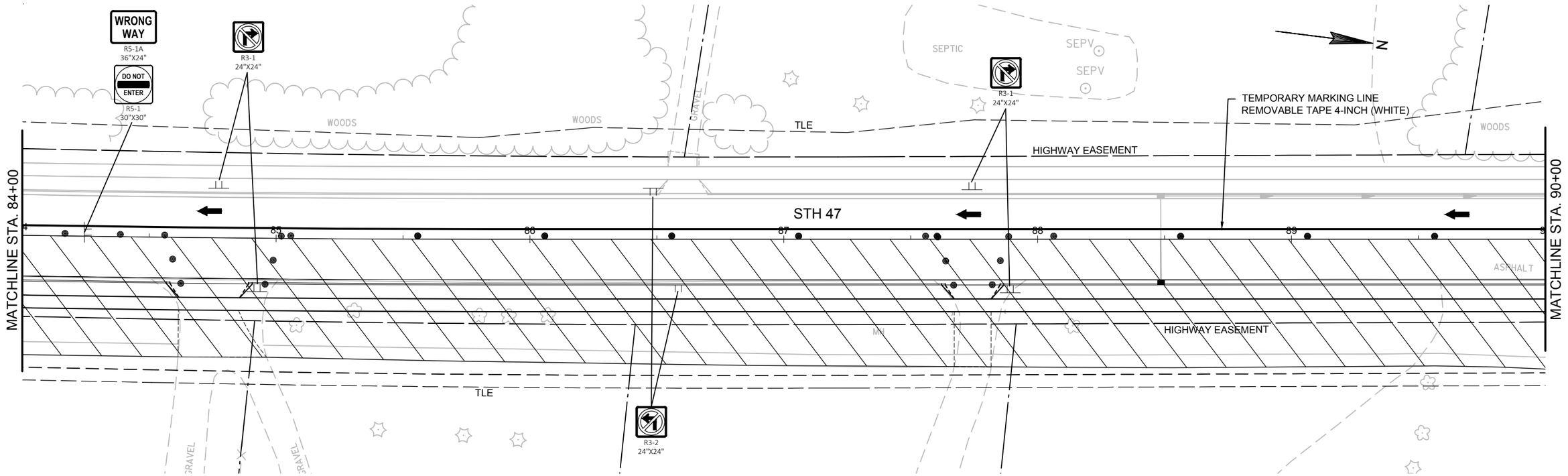
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 2B	SHEET E





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 2B	SHEET	E





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

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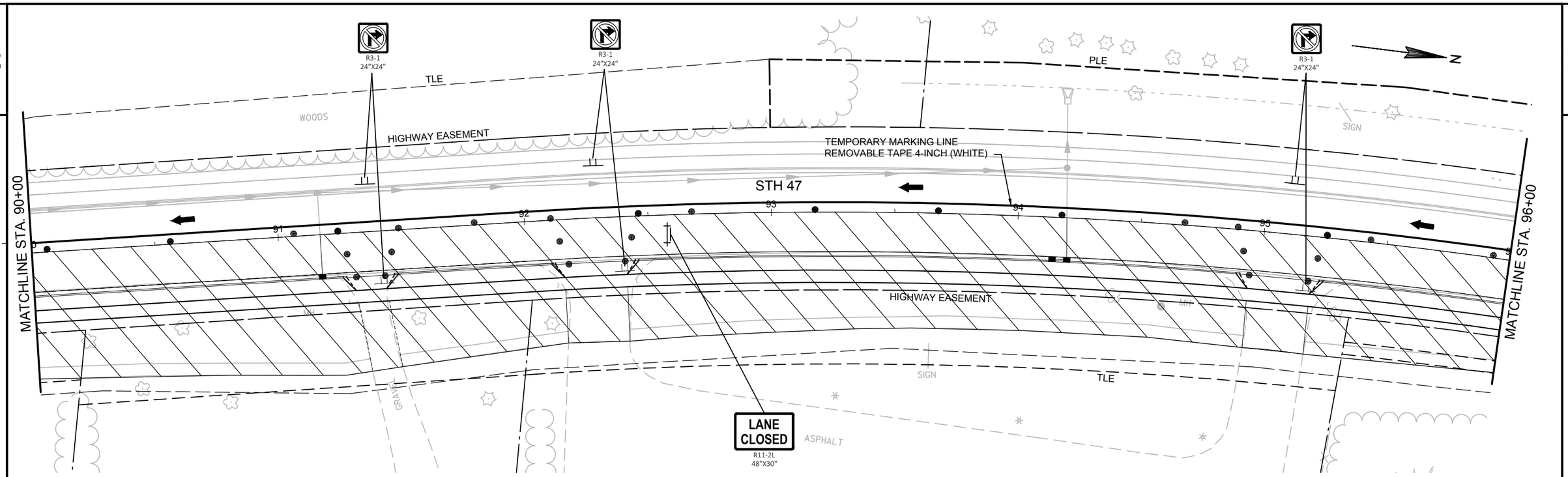
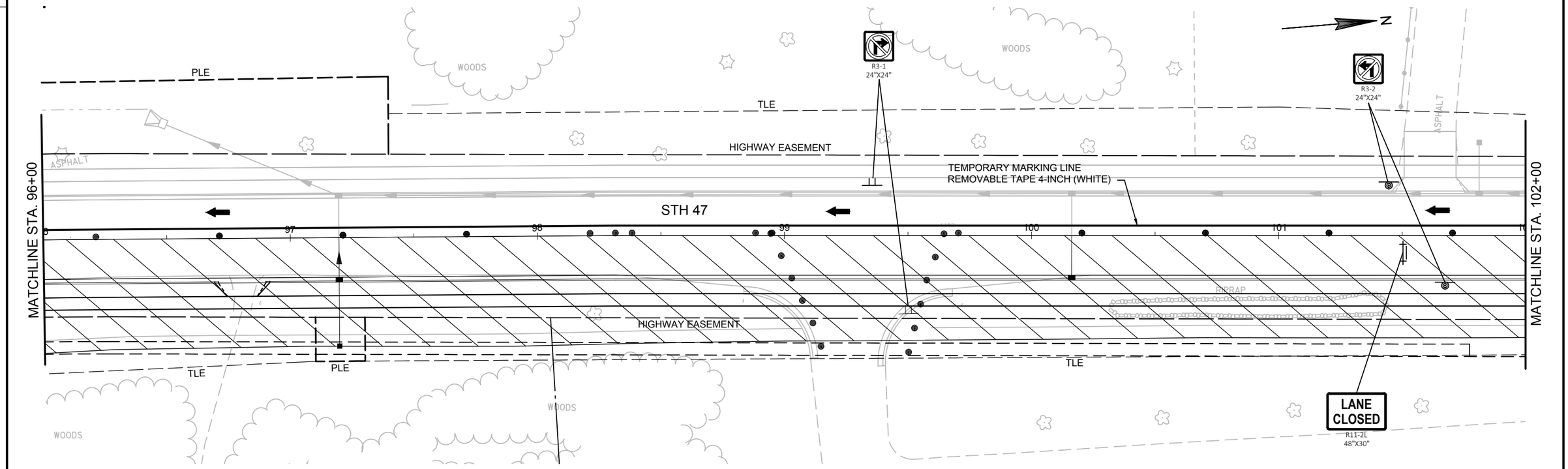
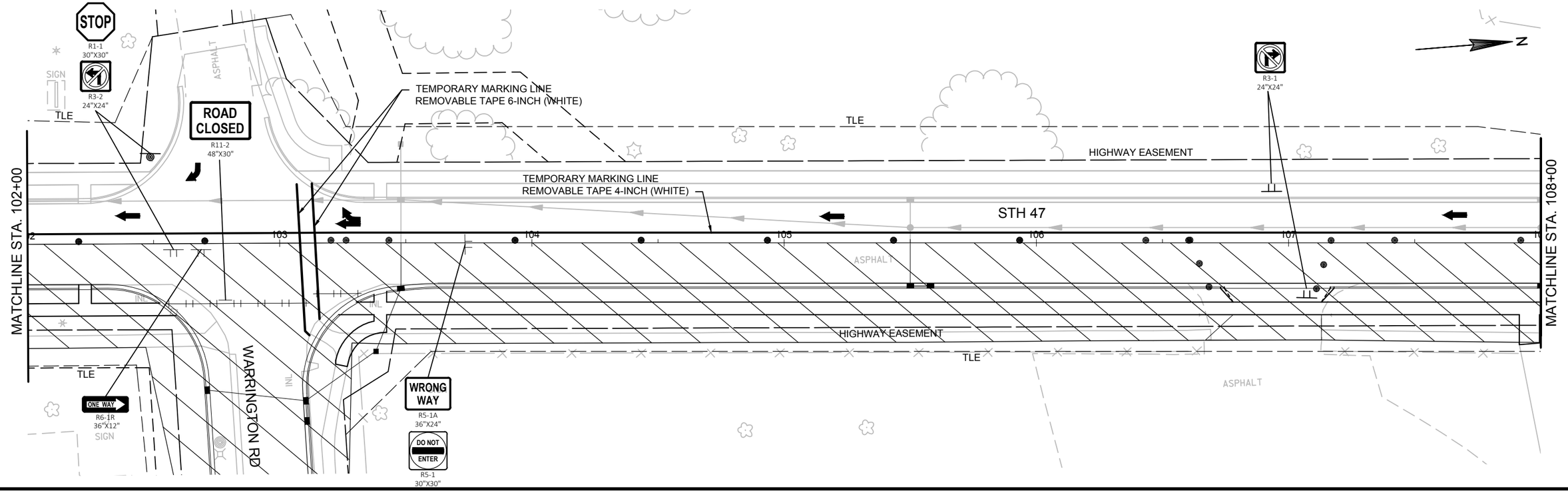
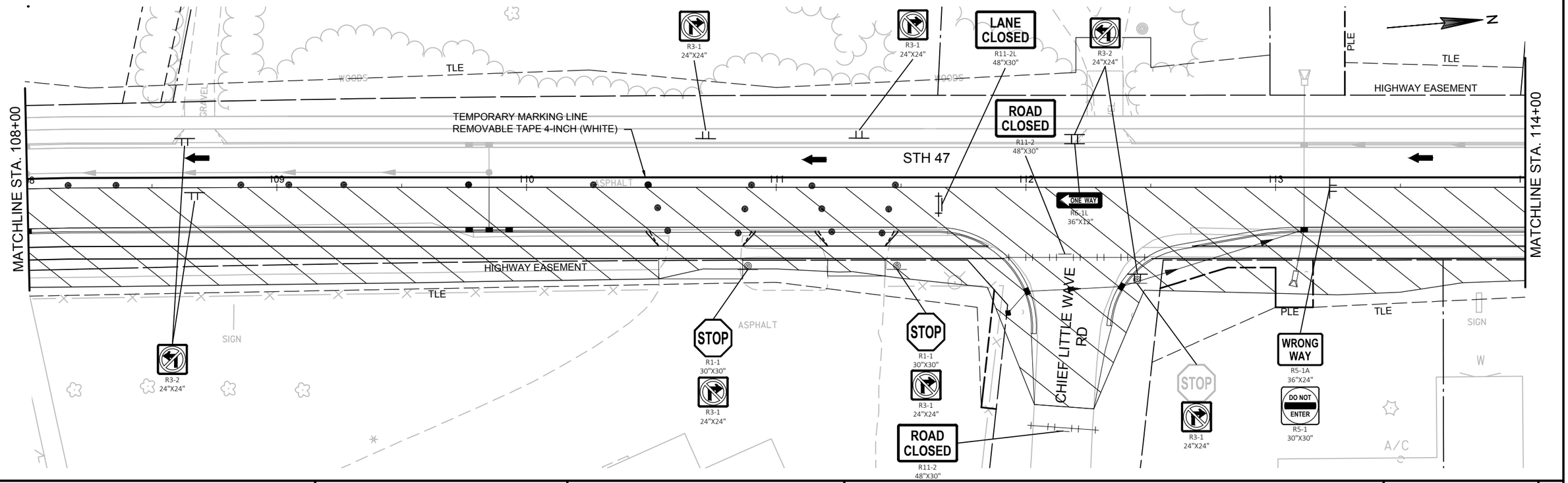




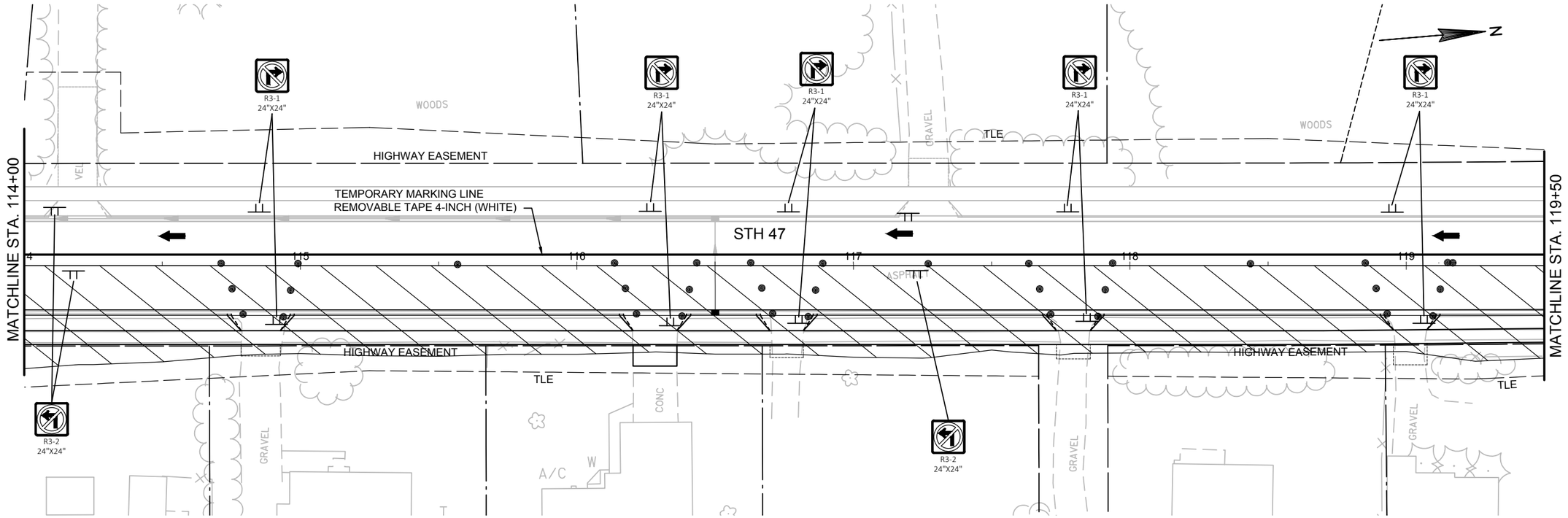
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

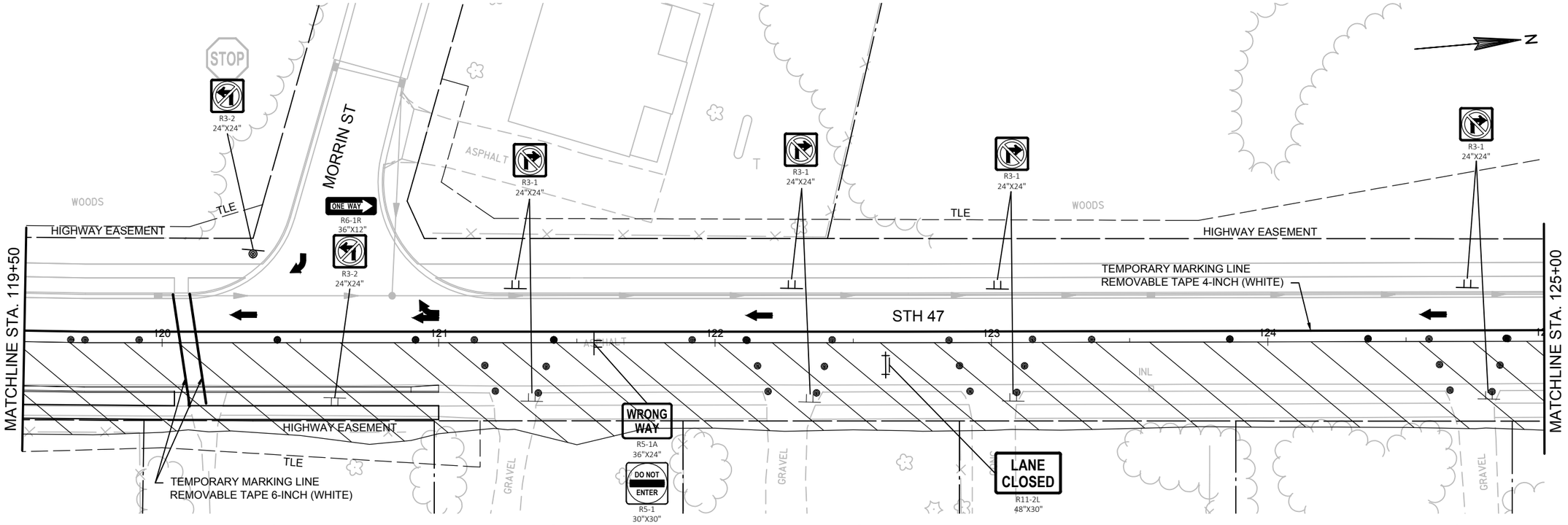
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE3.DWG PLOT DATE : 1/6/2019 12:12 PM PLOT BY : KOCH, LARRY PLOT NAME :



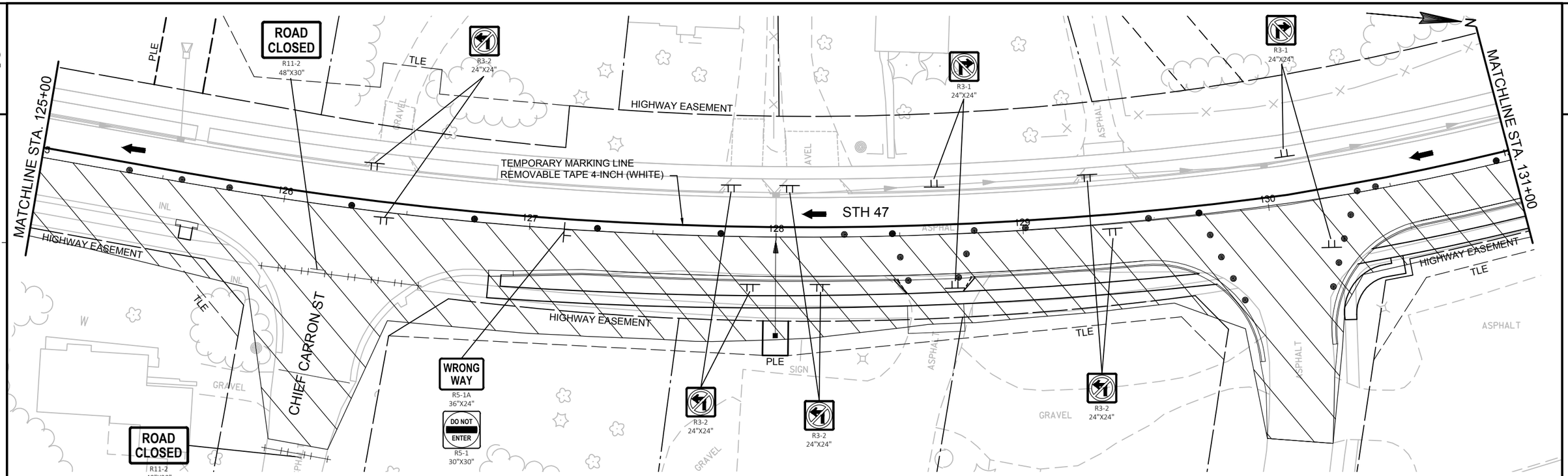


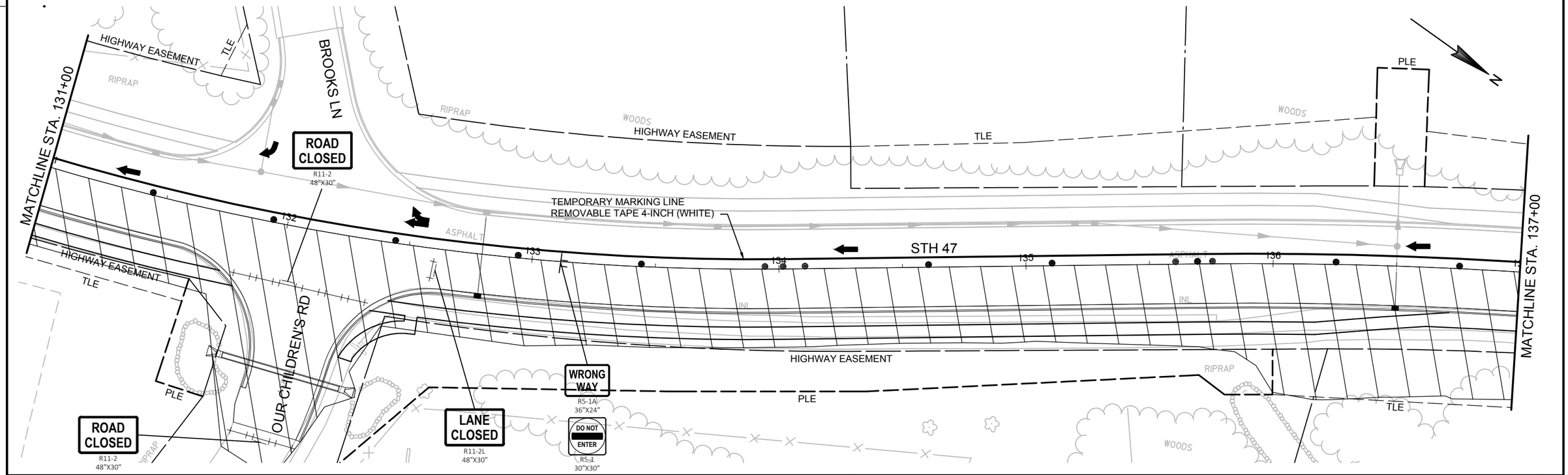
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E





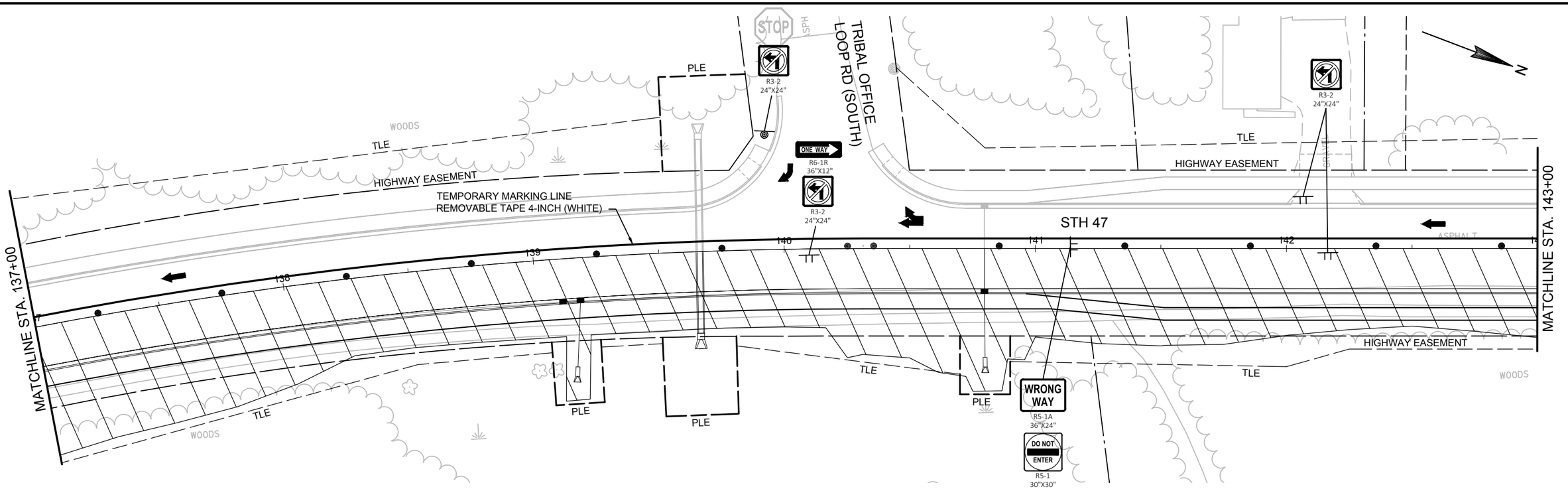
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

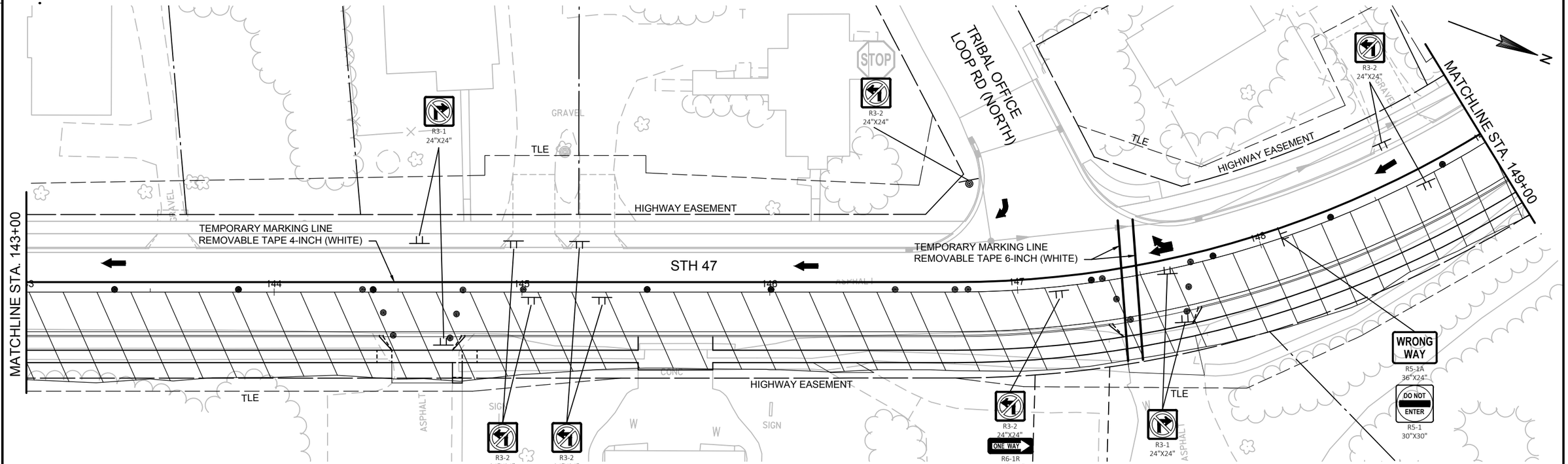




PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

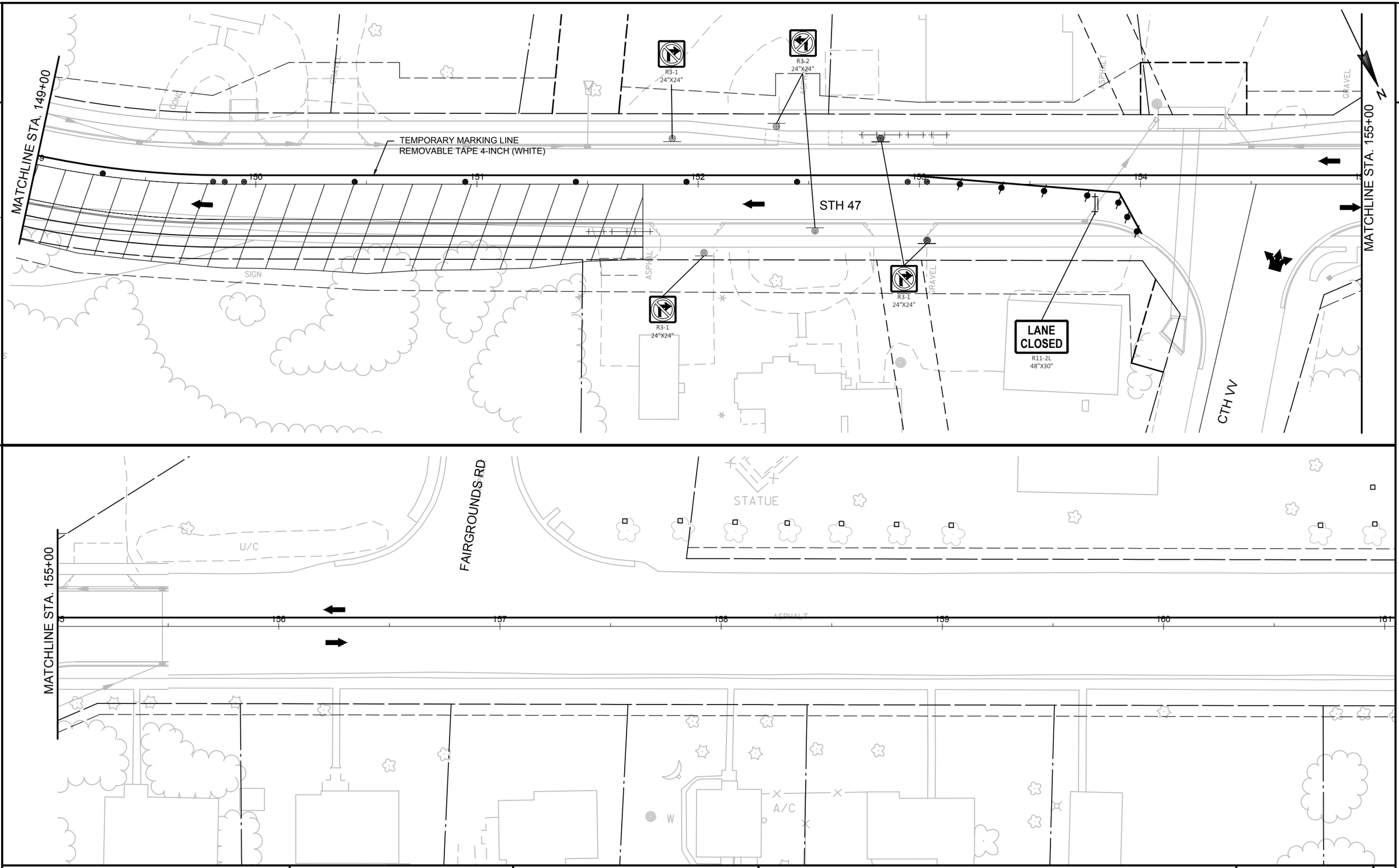
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE3.DWG PLOT DATE : 1/6/2019 12:12 PM PLOT BY : KOCH, LARRY PLOT NAME :





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE3.DWG PLOT DATE : 1/6/2019 12:12 PM PLOT BY : KOCH, LARRY PLOT NAME :



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE3.DWG PLOT DATE : 1/6/2019 12:13 PM PLOT BY : KOCH, LARRY PLOT NAME :

2

STAGE 3 WORK ITEMS

1. CONSTRUCT NORTHBOUND LANE STH 47 FROM DODGE RD TO STA 151+75. THIS WORK INCLUDES WARRINGTON RD, CHIEF LITTLE WAVE RD, CHIEF CARRON ST, OUR CHILDREN RD INTERSECTIONS AND STORM SEWER

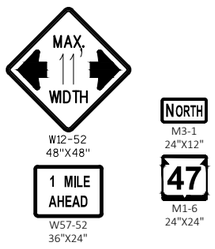
STAGE 3 TRAFFIC

SOUTHBOUND TRAFFIC WILL REMAIN ON STH 47. NORTHBOUND TRAFFIC WILL CONTINUE TO BE DETOURED FROM DUQUAINE RD TO CTH VV (SOUTH).

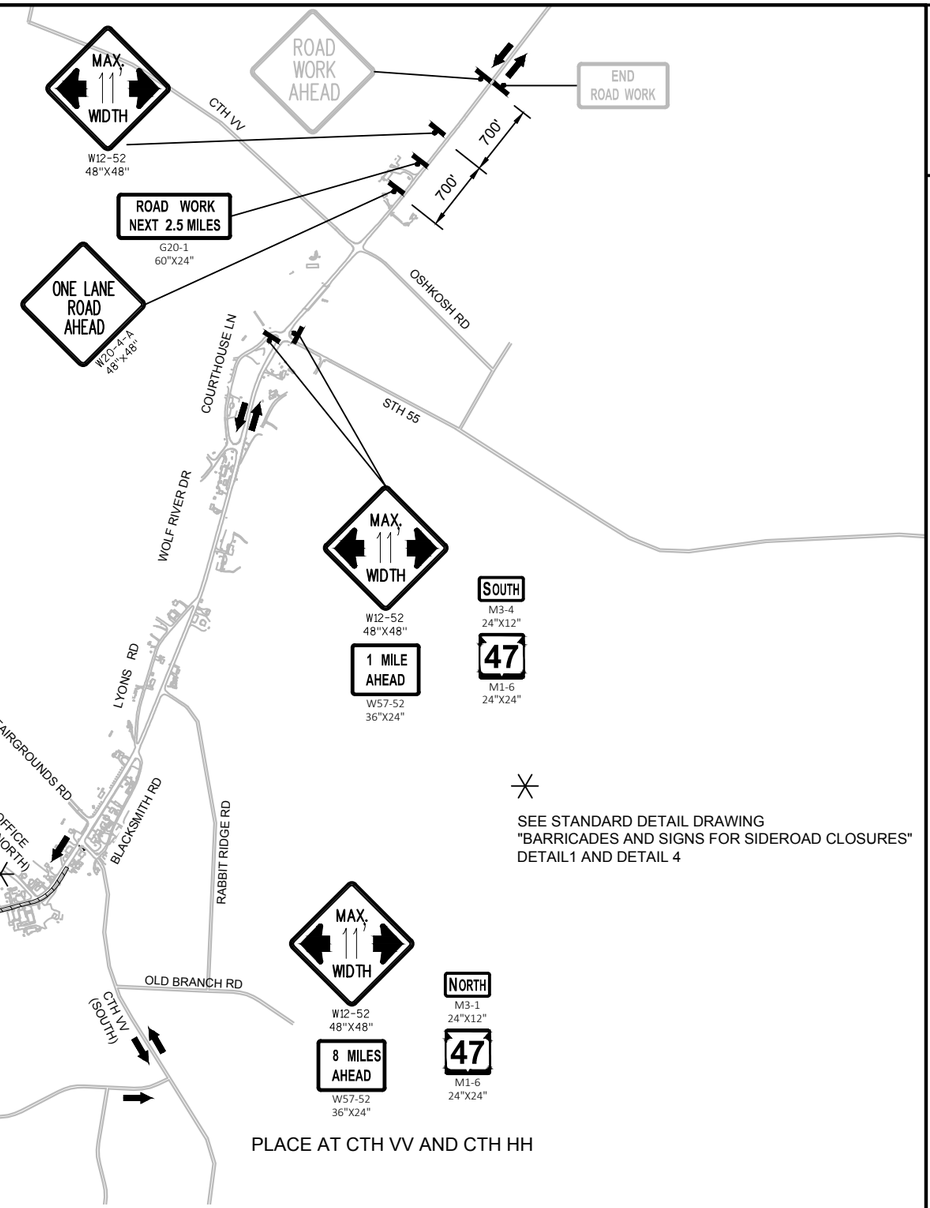
NOTES:

ALL RIGHT-TURNS FROM THE EAST SIDE STREETS AND ALL LEFT-TURNS FROM THE WEST SIDE STREETS WILL BE PROHIBITED DURING CONSTRUCTION.

ACCESS TO BE MAINTAINED TO DODGE ROAD, TRIBAL OFFICE LOOP ROAD(SOUTH), AND TRIBAL OFFICE LOOP ROAD(NORTH) AT ALL TIMES. MORRIN STREET AND BROOKS LANE WILL NEED TO BE CLOSED BUT WILL NOT BE ALLOWED TO BE CLOSED AT THE SAME TIME. CONSTRUCT MAIN ENTRANCE TO MENOMINEE INDIAN HIGH SCHOOL HALF AT A TIME TO ALLOW BUS/ VEHICLE TRAFFIC.



PLACE AT STH 47 AND CTH A

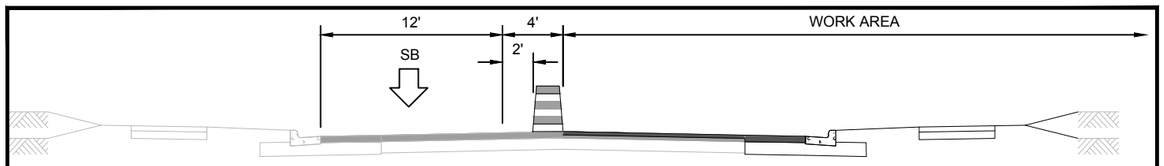


PLACE AT CTH VV AND CTH HH

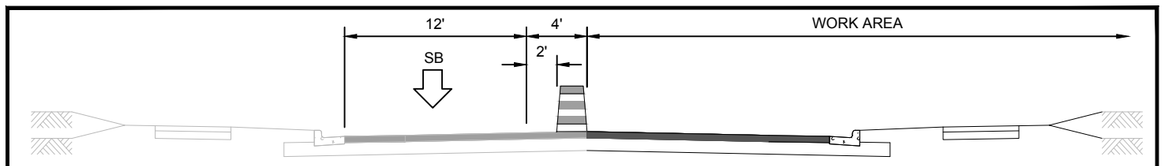
SEE STANDARD DETAIL DRAWING
"BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"
DETAIL1 AND DETAIL 4

LEGEND - TRAFFIC CONTROL

- WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WTH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM (PREVIOUSLY INSTALLED)
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT PREVIOUSLY INSTALLED)
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT

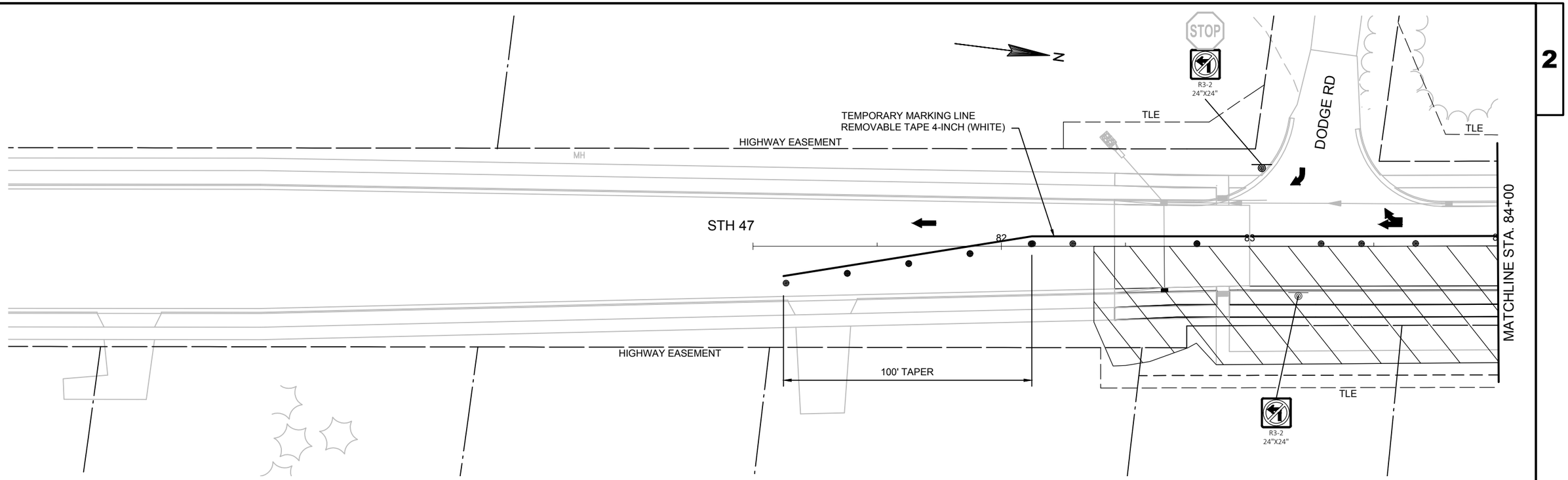


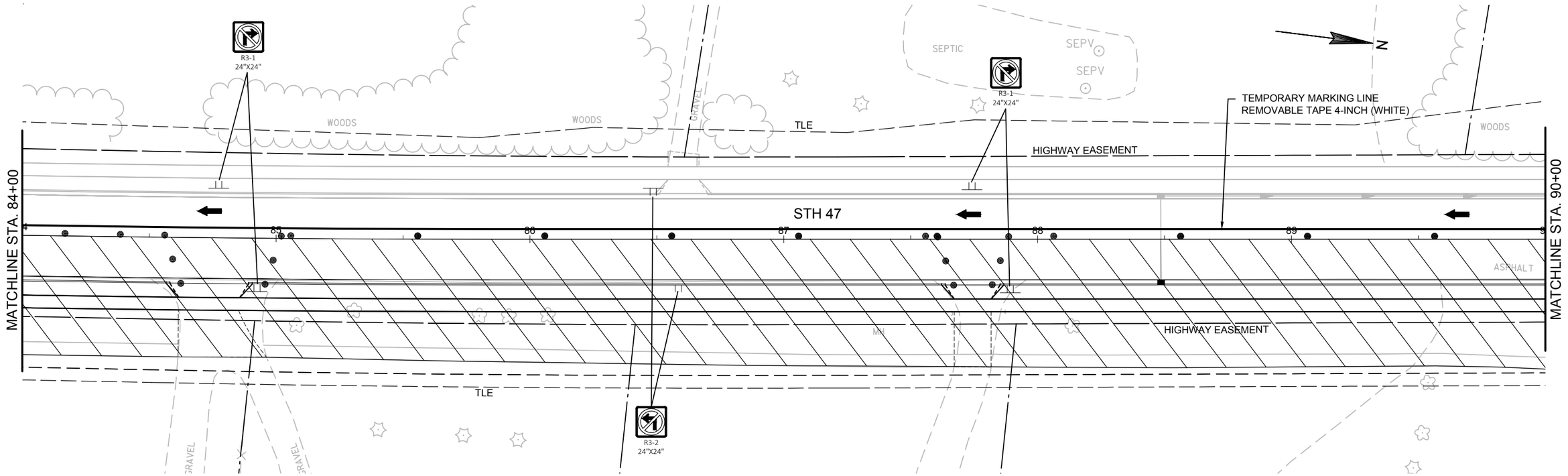
TYPICAL PROPOSED STAGE 3 TRAFFIC CONTROL SECTION - STH 47
STA 82+45 - STA 146+00



TYPICAL PROPOSED STAGE 3 TRAFFIC CONTROL SECTION - STH 47
STA 146+00 - STA 151+75

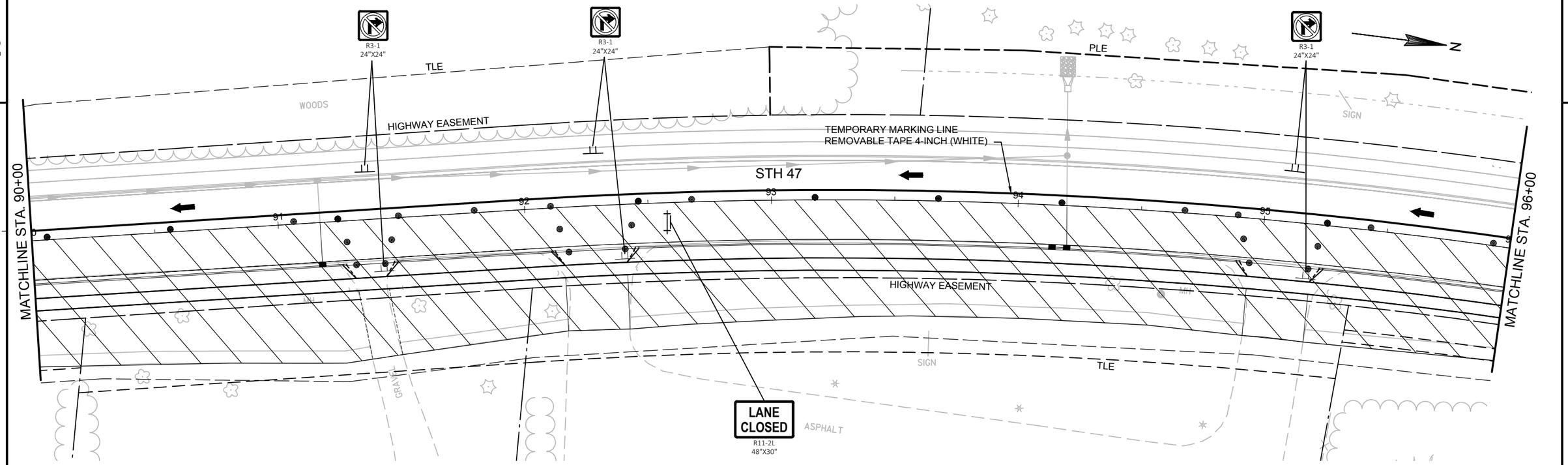
PROJECT NO: 9650-17-61/70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3 OVERVIEW	SHEET E

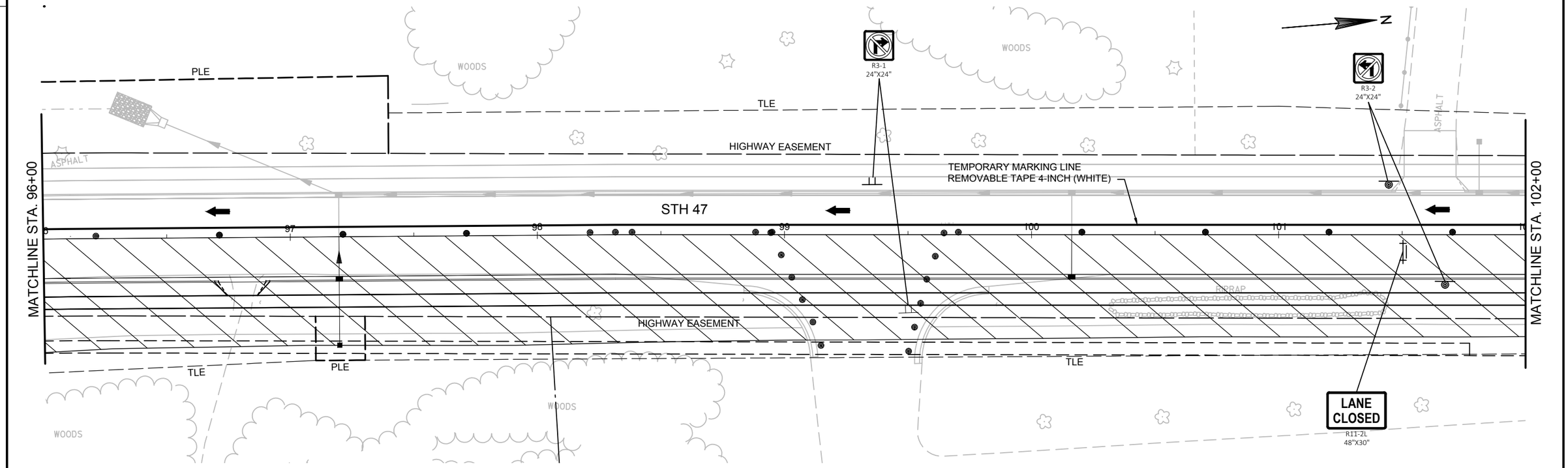




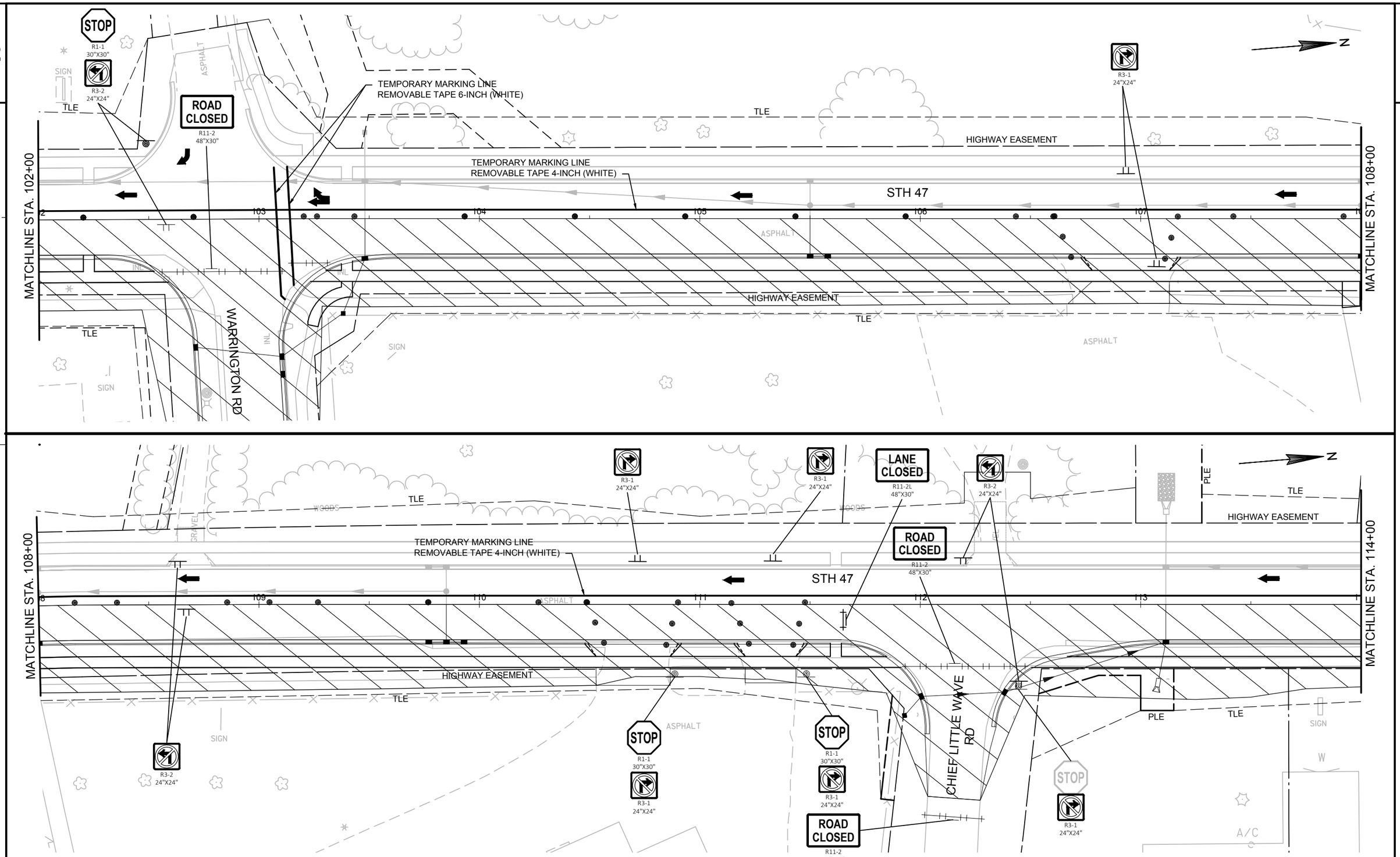
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE3.DWG PLOT DATE : 12/27/2018 10:09 AM PLOT BY : KOCH, LARRY PLOT NAME :



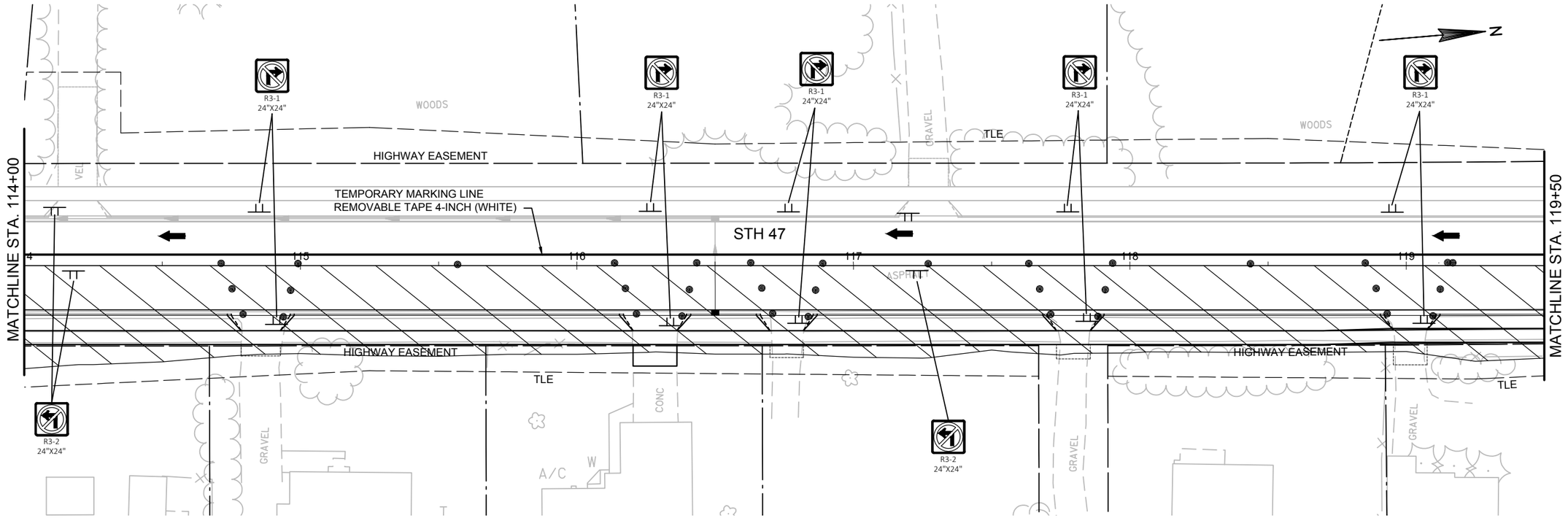


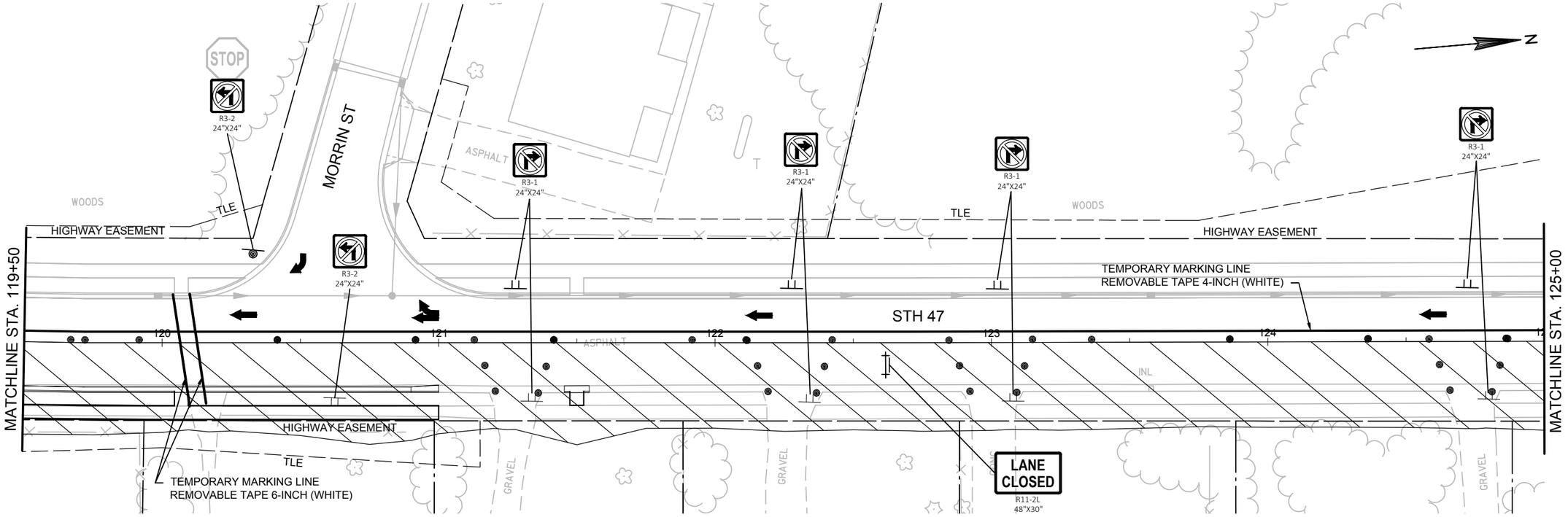
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

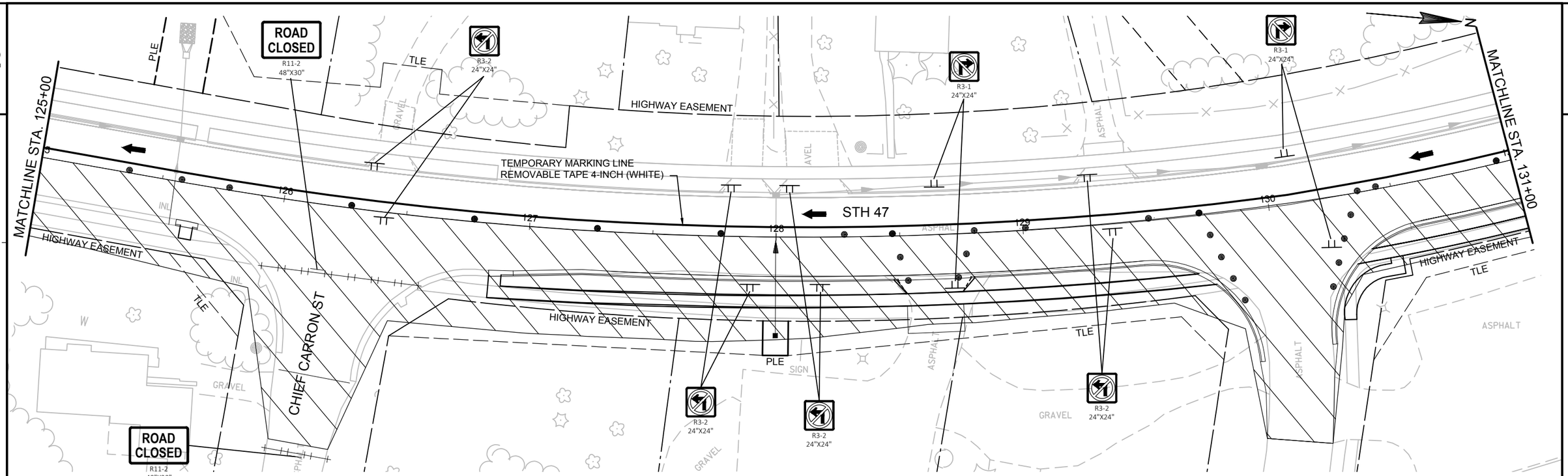
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE3.DWG PLOT DATE : 12/27/2018 10:09 AM PLOT BY : KOCH, LARRY PLOT NAME :

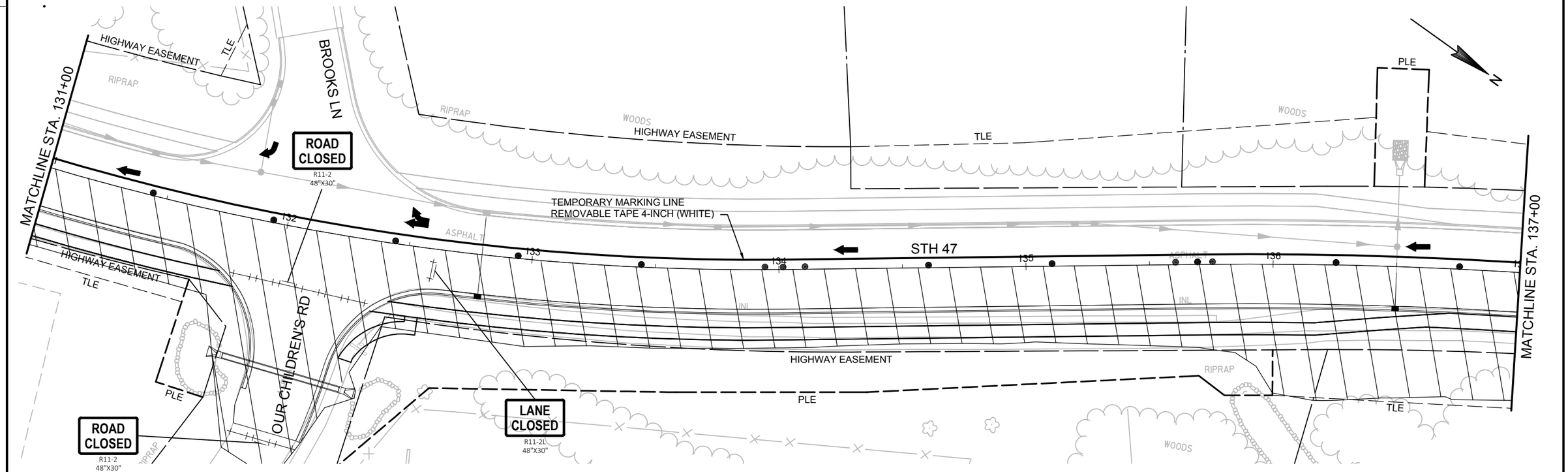




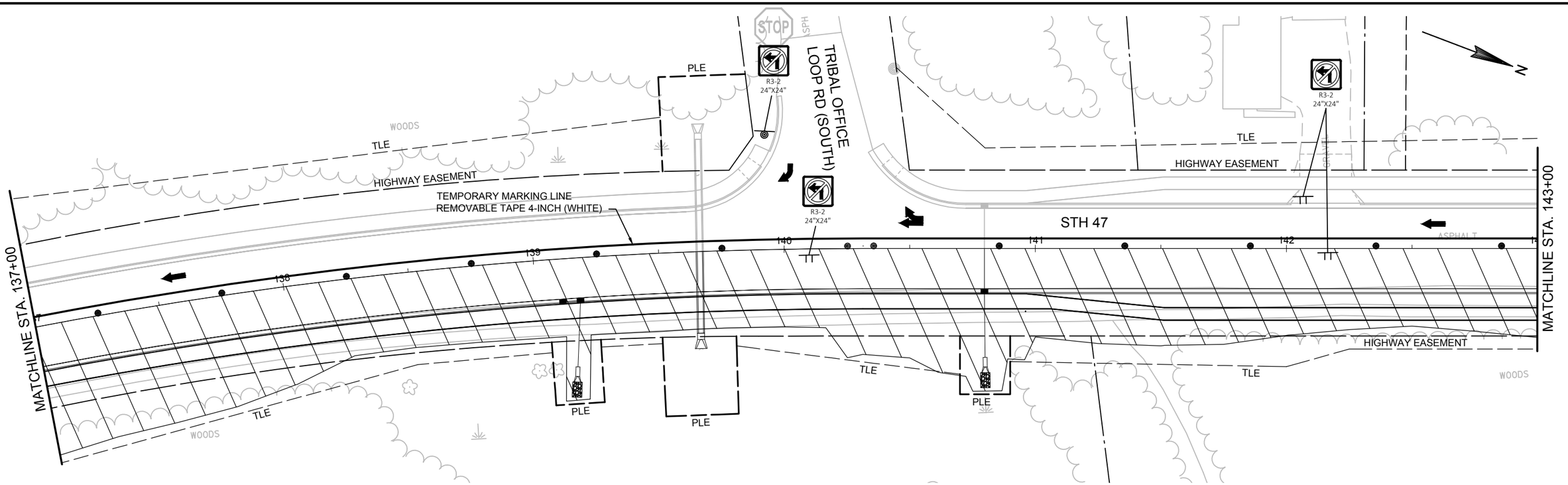
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

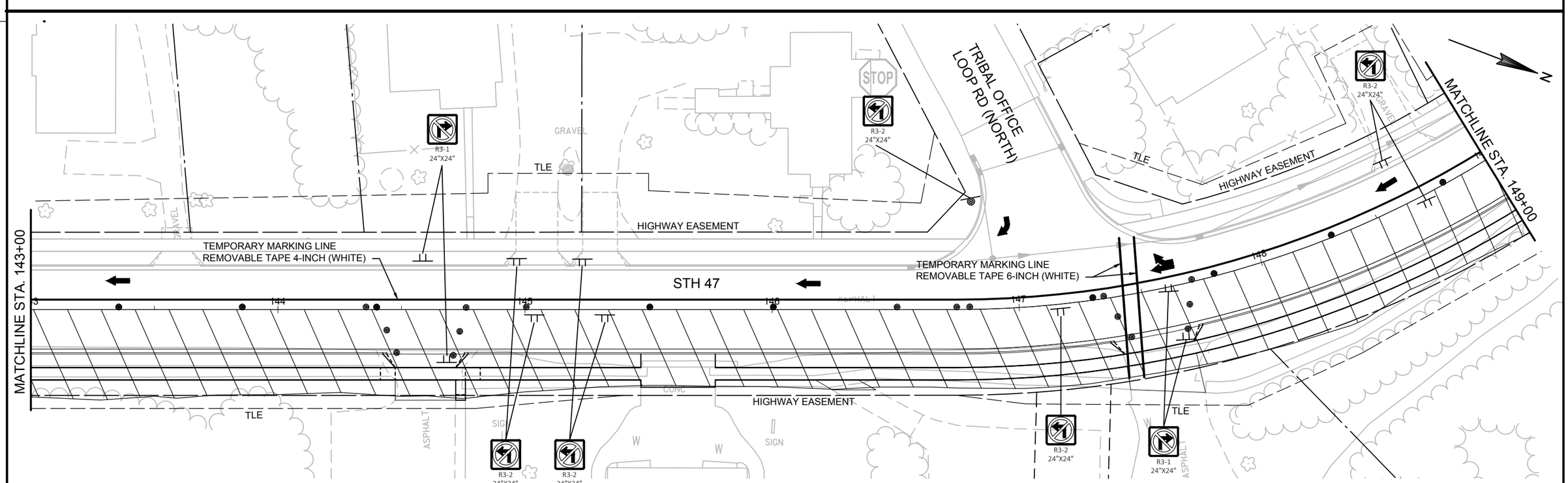
2





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE3.DWG PLOT DATE : 12/27/2018 10:10 AM PLOT BY : KOCH, LARRY PLOT NAME :

2

MATCHLINE STA. 149+00

TEMPORARY MARKING LINE
REMOVABLE TAPE 4-INCH (WHITE)

R3-1
24"X24"

R3-2
24"X24"

R3-1
24"X24"

R3-1
24"X24"

LANE
CLOSED
R11-2L
48"X30"

STH 47

CTH VV

MATCHLINE STA. 155+00

N

130 131 132 133 134

SIGN

GRAVEL

ASPHALT

GRAVEL

GRAVEL

MATCHLINE STA. 155+00

FAIRGROUNDS RD

STATUE

U/C

A/C

W

156 157 158 159 160 161

ASPHALT

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 3	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE3.DWG PLOT DATE : 12/27/2018 10:10 AM PLOT BY : KOCH, LARRY PLOT NAME :

2

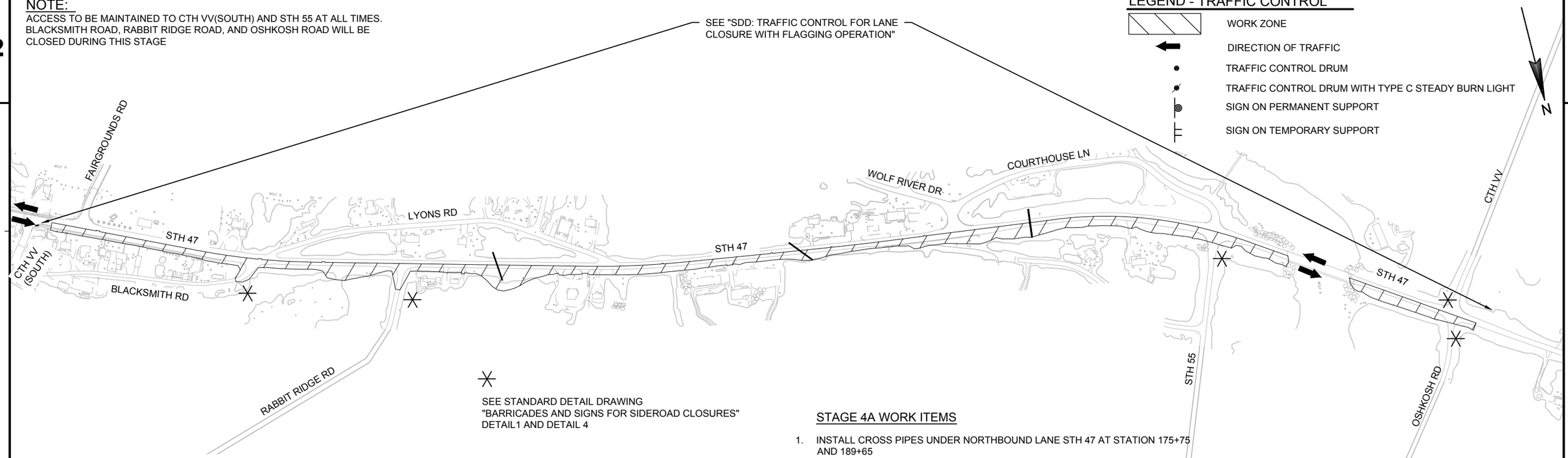
NOTE:

ACCESS TO BE MAINTAINED TO CTH VV(SOUTH) AND STH 55 AT ALL TIMES. BLACKSMITH ROAD, RABBIT RIDGE ROAD, AND OSHKOSH ROAD WILL BE CLOSED DURING THIS STAGE

SEE "SDD: TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"

LEGEND - TRAFFIC CONTROL

- WORK ZONE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT



SEE STANDARD DETAIL DRAWING "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL1 AND DETAIL 4

STAGE 4A WORK ITEMS

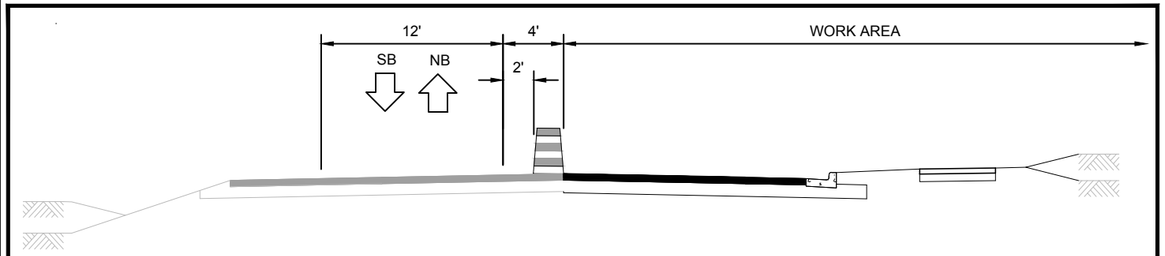
1. INSTALL CROSS PIPES UNDER NORTHBOUND LANE STH 47 AT STATION 175+75 AND 189+65
2. TEMPORARY GRAVEL WIDENING AT STATION 175+75 AND 189+65
3. INSTALL CROSS PIPES UNDER SOUTHBOUND LANE STH 47 AT STATION 175+75 AND 189+65
4. TEMPORARY GRAVEL WIDENING STH 47 SOUTHBOUND LANE AT STATION 200+35
5. INSTALL CROSS PIPE UNDER NORTHBOUND LANE STH 47 AT STATION 200+35
6. TEMPORARY GRAVEL WIDENING STH 47 NORTHBOUND LANE AT STATION 200+35
7. INSTALL CROSS PIPE UNDER SOUTHBOUND LANE STH 47 AT STATION 200+35

STAGE 4B WORK ITEMS

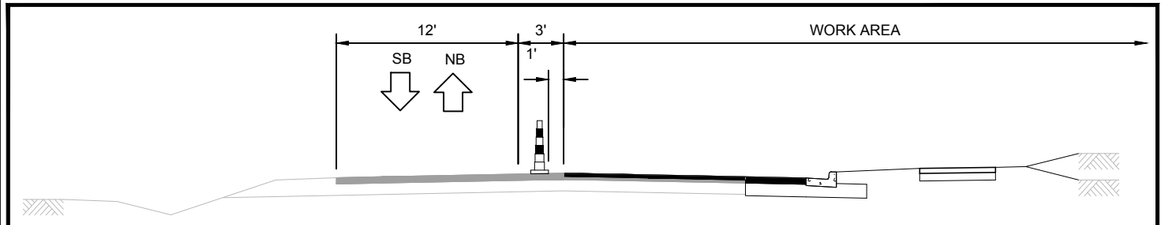
1. CONSTRUCT NORTHBOUND LANE STH 47 FROM STA 155+50 TO CTH VV (NORTH). THIS WORK INCLUDES BLACKSMITH RD, RABBIT RIDGE RD, STH 55, OSHKOSH RD INTERSECTIONS AND STORM SEWER

STAGE 4 TRAFFIC

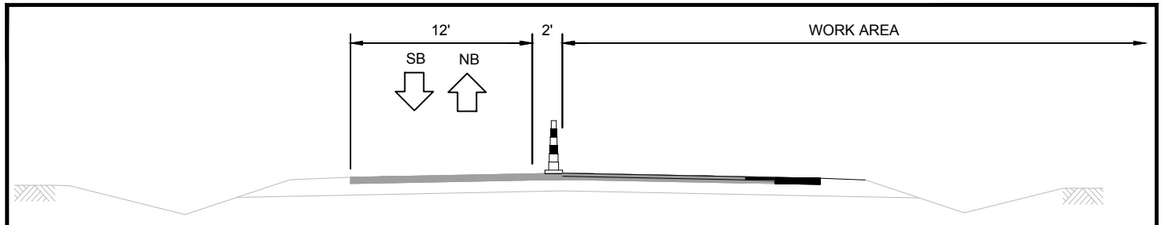
ALL TRAFFIC WILL REMAIN ON STH 47. DURING CONSTRUCTION ACTIVITIES, TRAFFIC WILL BE REDUCED TO ONE LANE ALONG STH 47 AND FLAGGING OPERATION WILL BE USED. ACCESS WILL BE MAINTAINED TO CTH VV (SOUTH) AND STH 55. BLACKSMITH RD, RABBIT RIDGE RD AND OSHKOSH RD WILL BE CLOSED DURING THIS PHASE.



TYPICAL PROPOSED STAGE 4 TRAFFIC CONTROL SECTION - STH 47
STA 155+50 - STA 158+00



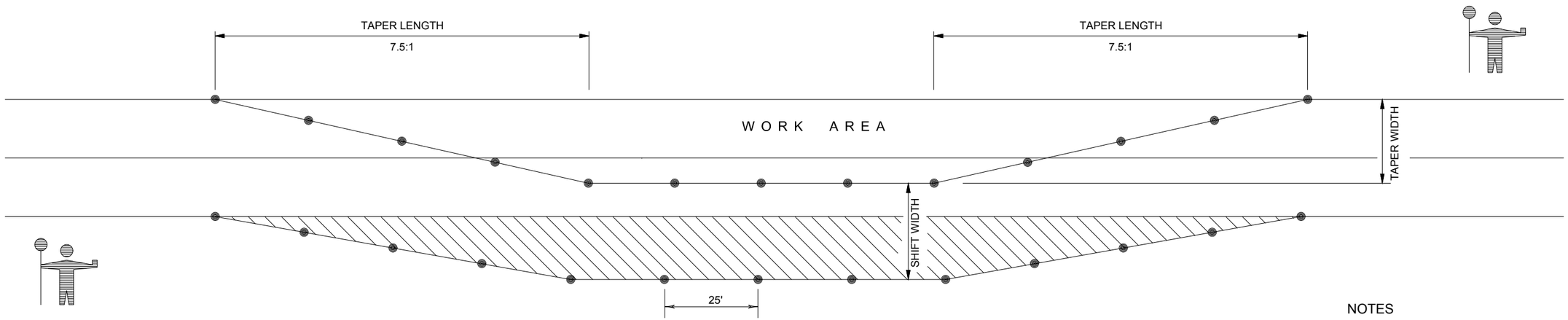
TYPICAL PROPOSED STAGE 4 TRAFFIC CONTROL SECTION - STH 47
STA 158+00 - STA 197+95

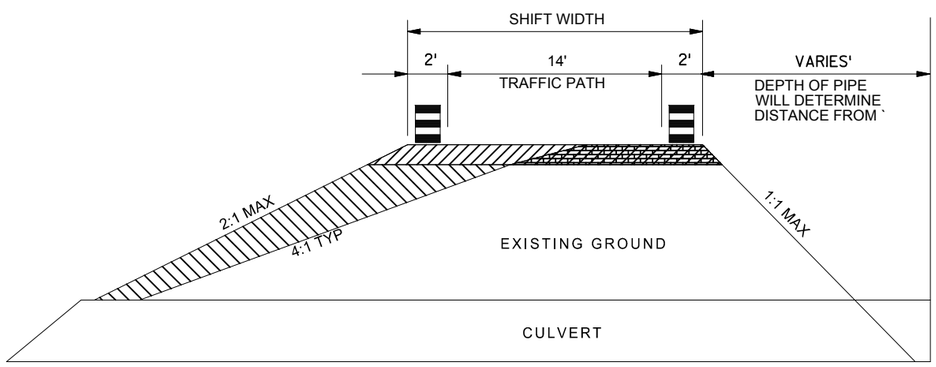


TYPICAL PROPOSED STAGE 4 TRAFFIC CONTROL SECTION - STH 47
STA 197+95 - STA 221+50

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 4 OVERVIEW	SHEET	E

2





NOTES

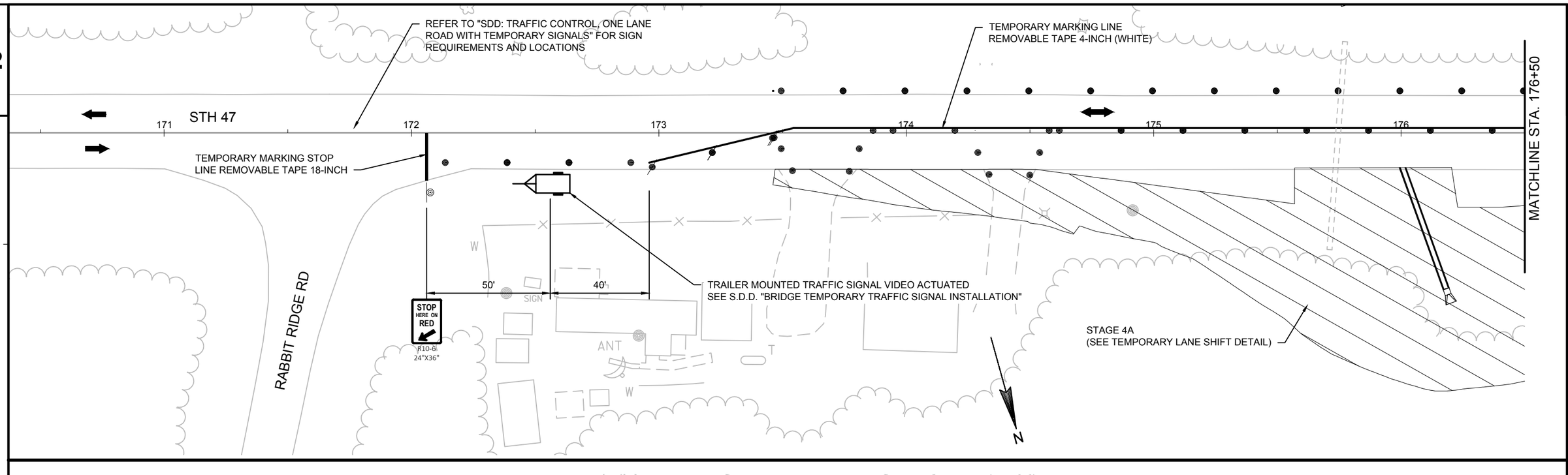
1. USE WITH SDD "TRAFFIC CONTROL FOR LANE CLOSURE"
2. FLAGGERS ARE SPECIFIC TO THIS OPERATION
3. THE TAPER SHOULD EXTEND ACROSS THE SHOULDER UNLESS DOING SO WOULD GREATLY CONFLICT WITH THE WORK OPERATION
4. ALL LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL DEVICES REMOVED BEYOND THE SHOULDER WHEN WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION
5. CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM TRAVEL LANE WHEN WORK IS NOT IN PROGRESS

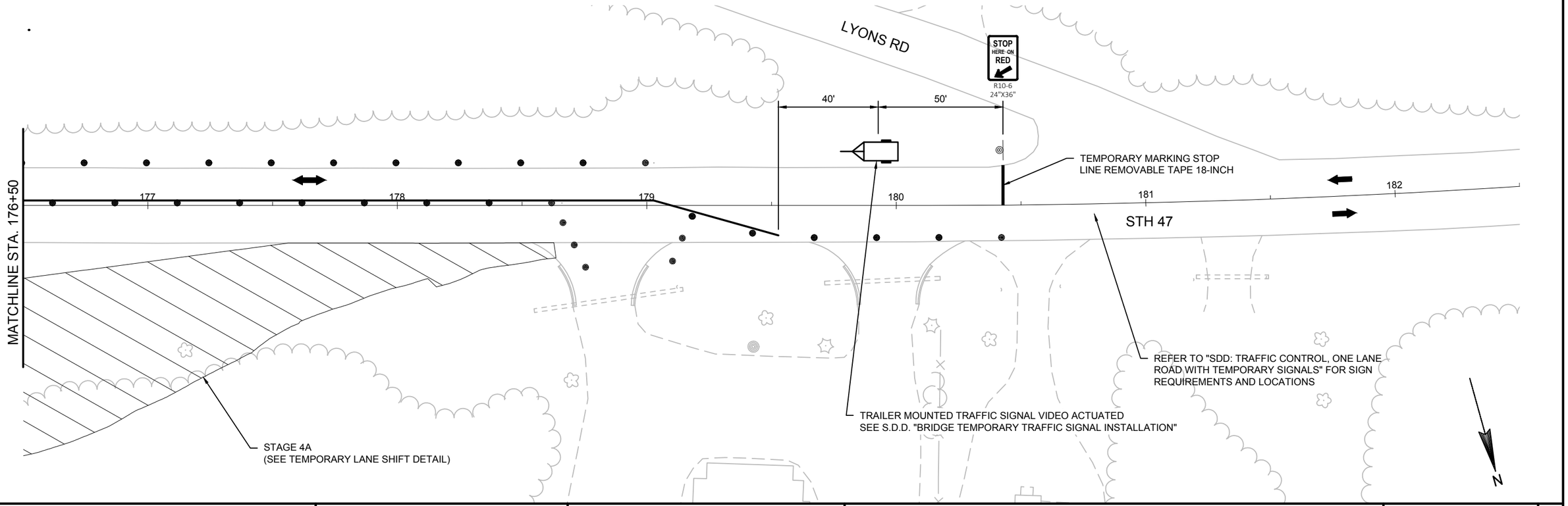
LANE SHIFT DETAIL

STA 175+75	CROSS CULVERT
STA 189+65	CROSS CULVERT
STA 200+35	CROSS CULVERT

KEY	
●	DRUM WITHOUT WARNING LIGHT
▨	FILL - INCIDENTAL TO LANE SHIFT ITEM
▨	EXISTING PAVED SURFACE OR 6" BASE AGGREGATE DENSE 1 1/4 INCH - INCIDENTAL TO LANE SHIFT ITEM
▨	6" BASE AGGREGATE DENSE 1 1/4 INCH - INCIDENTAL TO LANE SHIFT ITEM

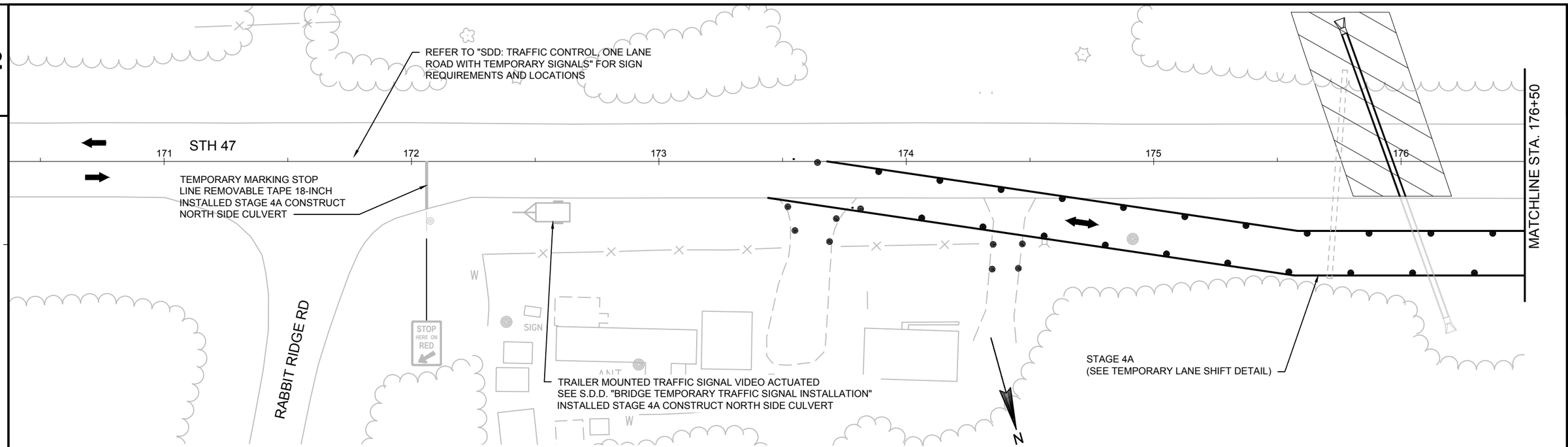
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 4A TEMPORARY LANE SHIFT DETAIL	SHEET	E

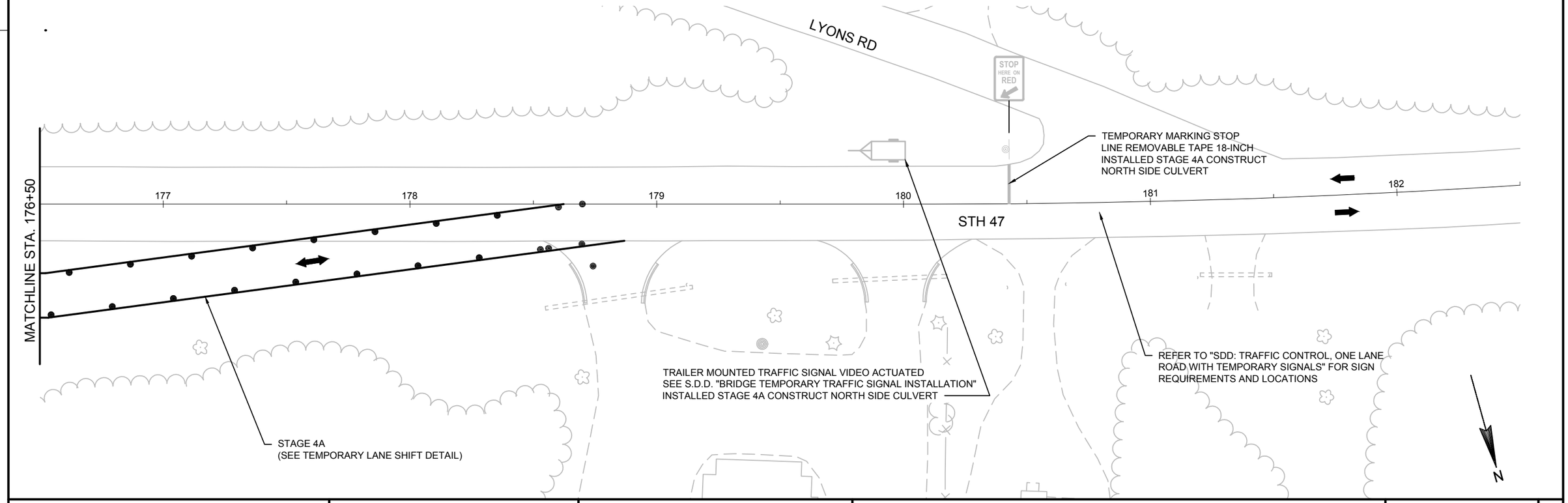




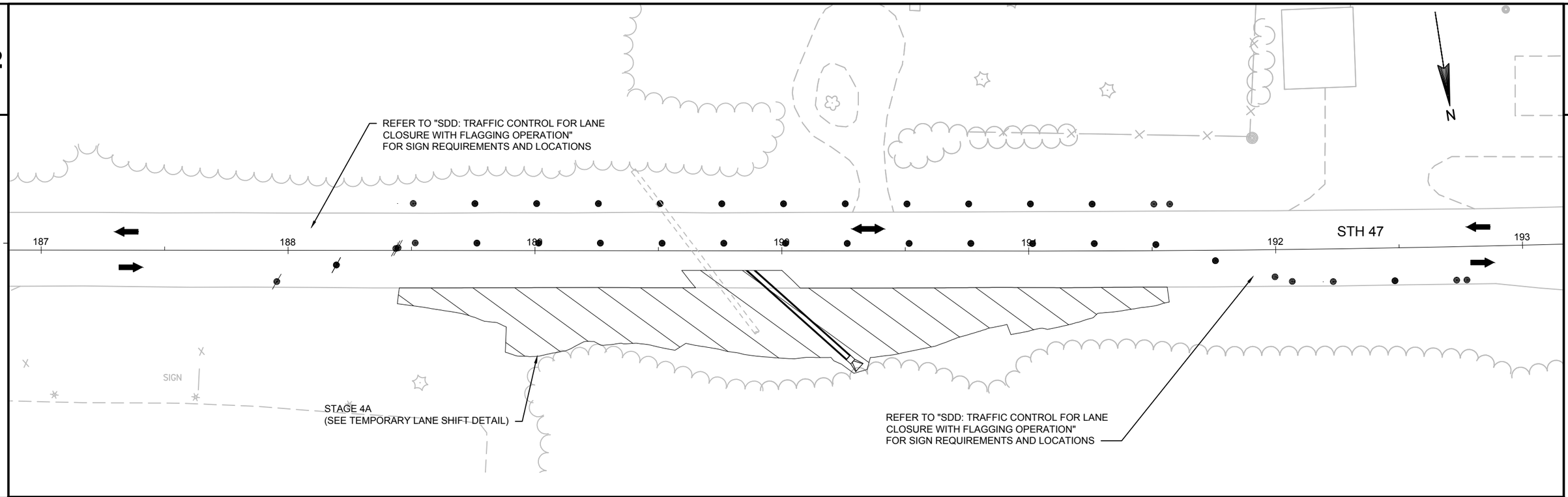
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 4A	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE4.DWG PLOT DATE : 2/13/2019 9:19 AM PLOT BY : DOLAN, ISAAC PLOT NAME :





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 4A	SHEET	E



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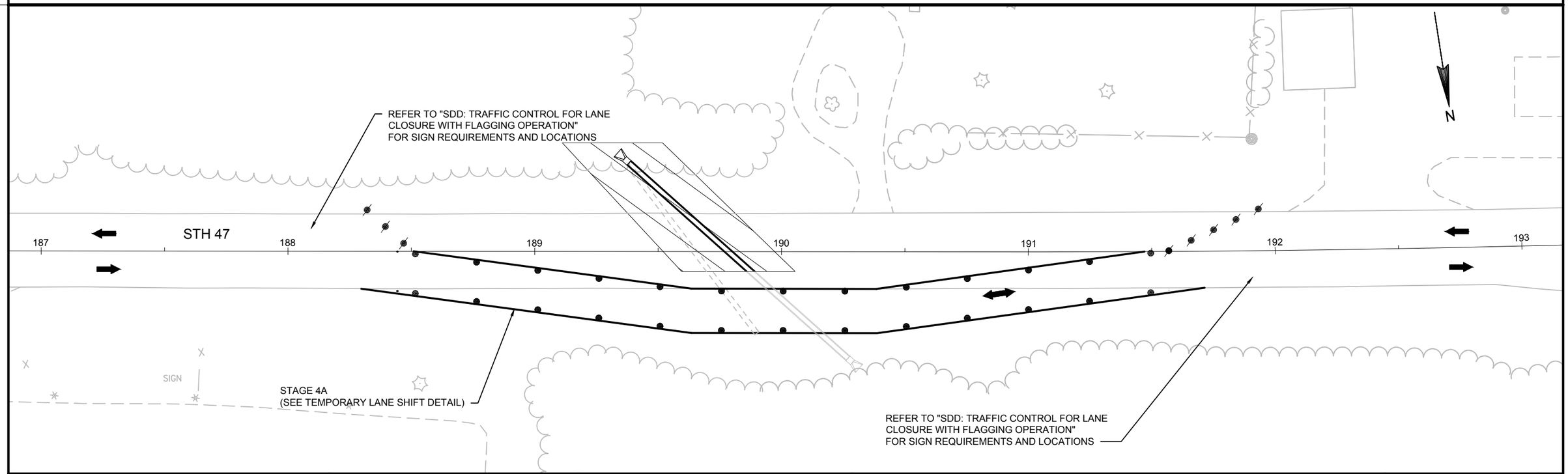
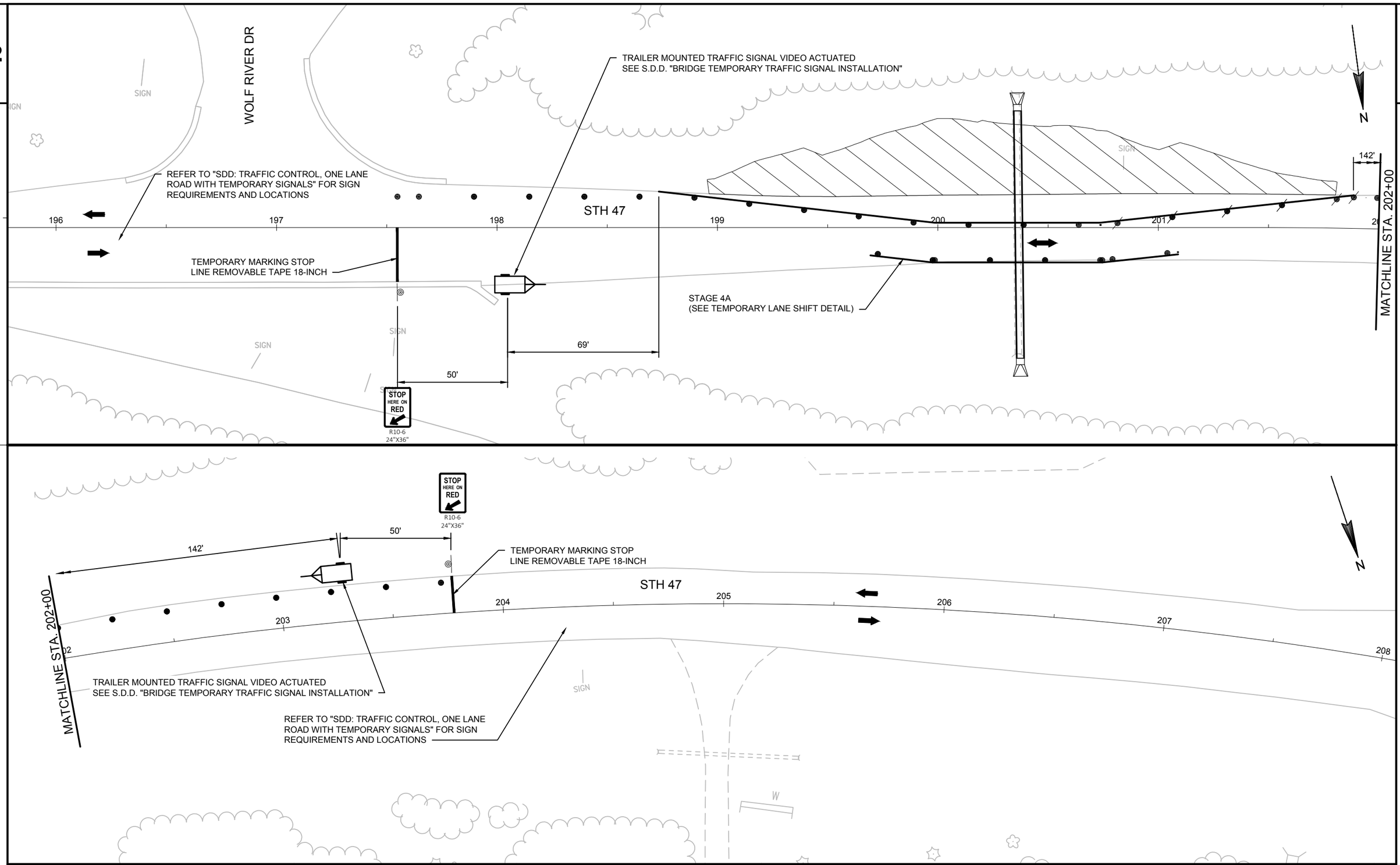
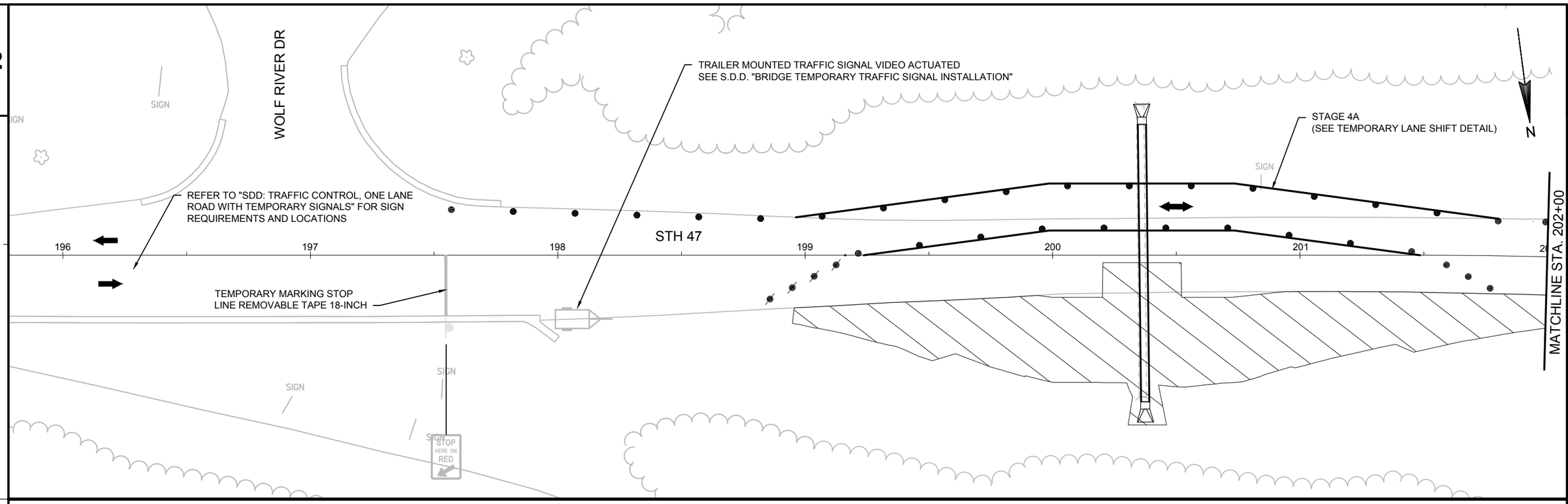


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 4A	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE4.DWG PLOT DATE : 2/13/2019 9:20 AM PLOT BY : DOLAN, ISAAC PLOT NAME :



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 4A	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 4A	SHEET	E

WOLF RIVER DR

TRAILER MOUNTED TRAFFIC SIGNAL VIDEO ACTUATED
SEE S.D.D. "BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION"

REFER TO "SDD: TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS" FOR SIGN REQUIREMENTS AND LOCATIONS

STH 47

196 197 198 199 200 201

TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH

STAGE 4A
(SEE TEMPORARY LANE SHIFT DETAIL)

MATCHLINE STA. 202+00

SIGN

STOP HERE ON RED

N

2

TRAILER MOUNTED TRAFFIC SIGNAL VIDEO ACTUATED
SEE S.D.D. "BRIDGE TEMPORARY TRAFFIC SIGNAL INSTALLATION"

STOP HERE ON RED

TEMPORARY MARKING STOP
LINE REMOVABLE TAPE 18-INCH

STH 47

202 203 204 205 206 207 208

MATCHLINE STA. 202+00

REFER TO "SDD: TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS" FOR SIGN REQUIREMENTS AND LOCATIONS

SIGN

W

N

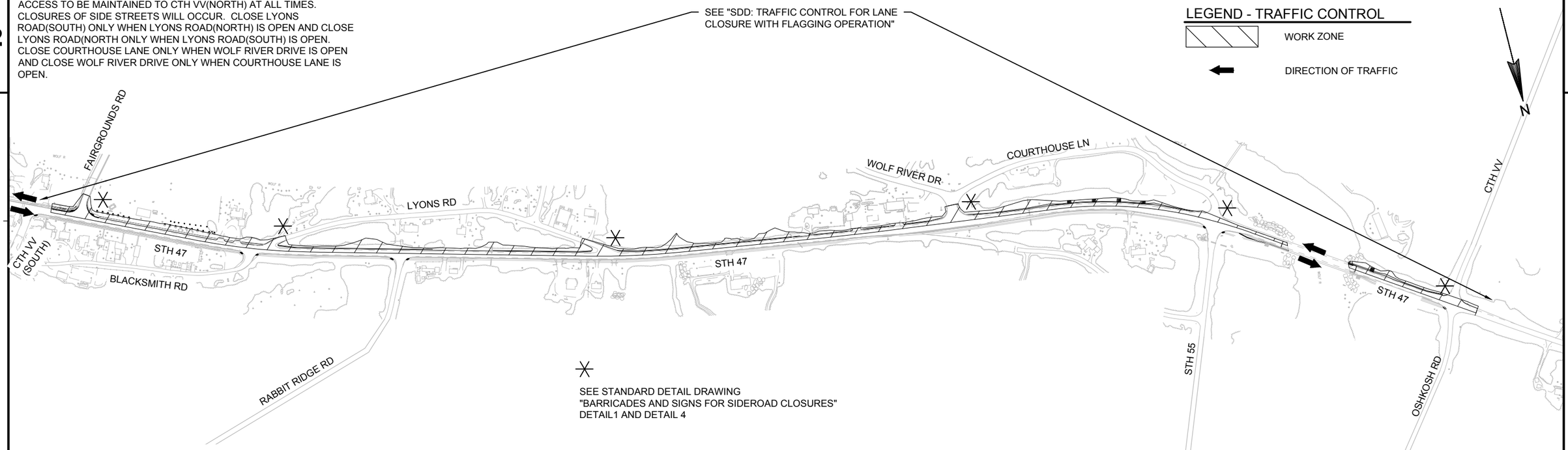
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 4A	SHEET	E

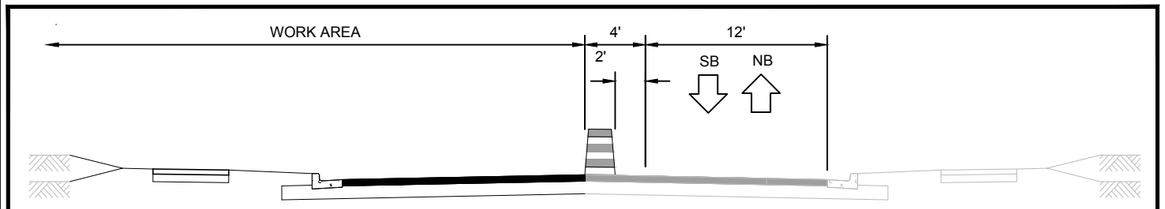
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE4.DWG PLOT DATE : 2/13/2019 9:20 AM PLOT BY : DOLAN, ISAAC PLOT NAME :

WISDOT/CADDS SHEET 42

NOTE:

ACCESS TO BE MAINTAINED TO CTH VV(NORTH) AT ALL TIMES. CLOSURES OF SIDE STREETS WILL OCCUR. CLOSE LYONS ROAD(SOUTH) ONLY WHEN LYONS ROAD(NORTH) IS OPEN AND CLOSE LYONS ROAD(NORTH ONLY WHEN LYONS ROAD(SOUTH) IS OPEN. CLOSE COURTHOUSE LANE ONLY WHEN WOLF RIVER DRIVE IS OPEN AND CLOSE WOLF RIVER DRIVE ONLY WHEN COURTHOUSE LANE IS OPEN.





TYPICAL PROPOSED STAGE 5 TRAFFIC CONTROL SECTION - STH 47

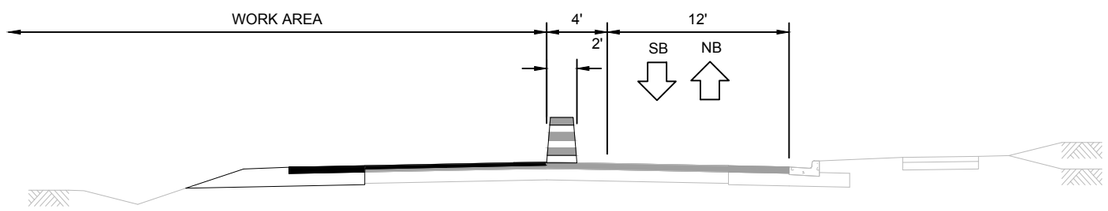
STA 155+50 - STA 158+00

STAGE 5 WORK ITEMS

1. CONSTRUCT SOUTHBOUND LANE STH 47 FROM STA 155+50 TO CTH VV (NORTH). THIS WORK INCLUDES FAIRGROUNDS RD, LYONS RD (NORTH), LYOMS RD (SOUTH), WOLF RIVER DR, CTH VV SOUTH INTERSECTIONS AND STORM SEWER

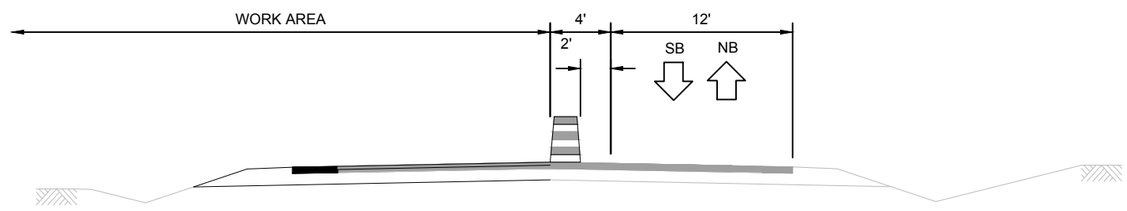
STAGE 5 TRAFFIC

ALL TRAFFIC WILL REMAIN ON STH 47. DURING CONSTRUCTION ACTIVITIES, TRAFFIC WILL BE REDUCED TO ONE LANE ALONG STH 47 AND FLAGGING OPERATION WILL BE USED. ACCESS WILL BE MAINTAINED TO CTH VV (NORTH). CLOSURES OF SIDE STREETS FAIRGROUNDS RD, LYONS RD (NORTH), LYONS RD (SOUTH), WOLF RIVER DR WILL OCCUR THROUGHOUT STAGE.



TYPICAL PROPOSED STAGE 5 TRAFFIC CONTROL SECTION - STH 47

STA 158+00 - STA 197+95



TYPICAL PROPOSED STAGE 5 TRAFFIC CONTROL SECTION - STH 47

STA 197+95 - STA 221+50

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 5 OVERVIEW	SHEET	E

2

LEGEND - TRAFFIC CONTROL

WORK ZONE

DIRECTION OF TRAFFIC

STATUE

U/C

FAIRGROUNDS RD

N

154 155 156 157 158 159

STH 47

CTH VV

MATCHLINE STA. 160+00

STATUE

MATCHLINE STA. 160+00

161 162 163 164 165

STH 47

MATCHLINE STA. 166+00

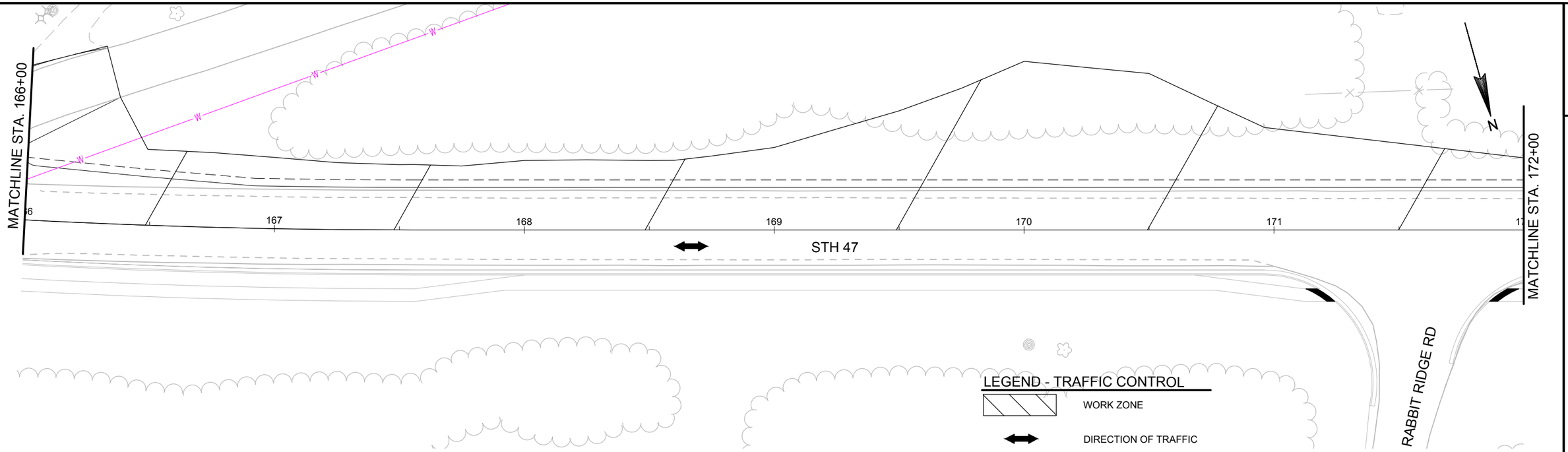
BLACKSMITH RD

N

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 5	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE5.DWG PLOT DATE : 2/13/2019 9:05 AM PLOT BY : DOLAN, ISAAC PLOT NAME :

WISDOT/CADDS SHEET 42



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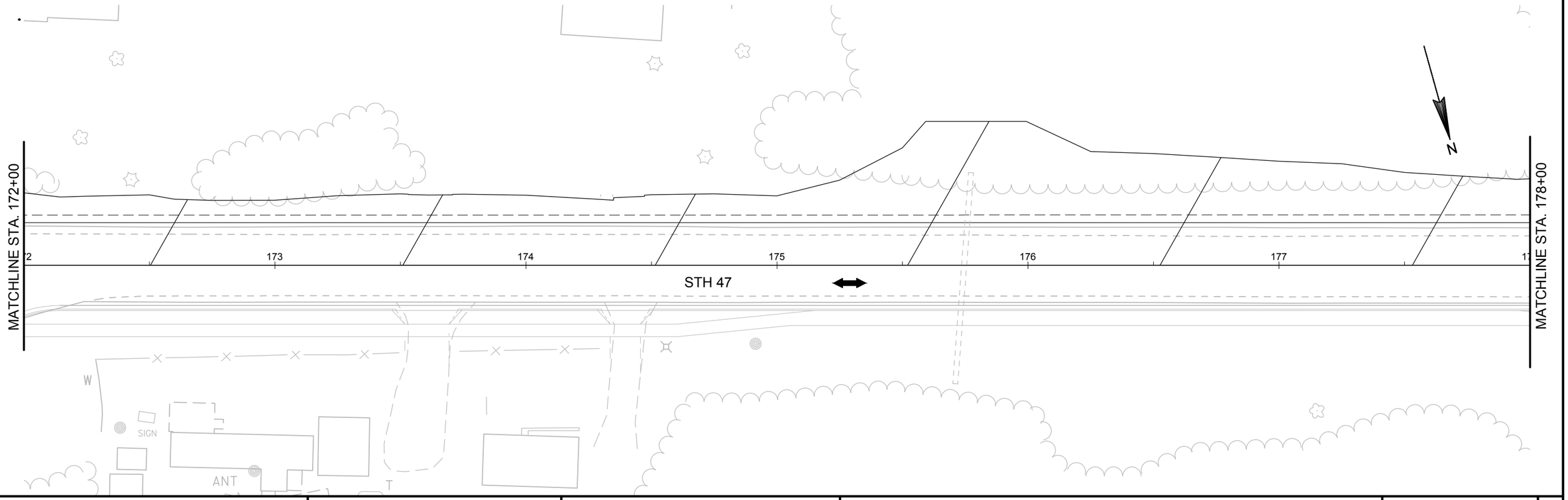


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 5	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE5.DWG PLOT DATE : 2/13/2019 9:05 AM PLOT BY : DOLAN, ISAAC PLOT NAME :

WISDOT/CADDS SHEET 42

2

LEGEND - TRAFFIC CONTROL

WORK ZONE

DIRECTION OF TRAFFIC

LYONS RD

N

MATCHLINE STA. 178+00

178

179

180

181

182

183

MATCHLINE STA. 184+00

STH 47

MATCHLINE STA. 184+00

184

185

186

187

188

189

MATCHLINE STA. 190+00

STH 47

N

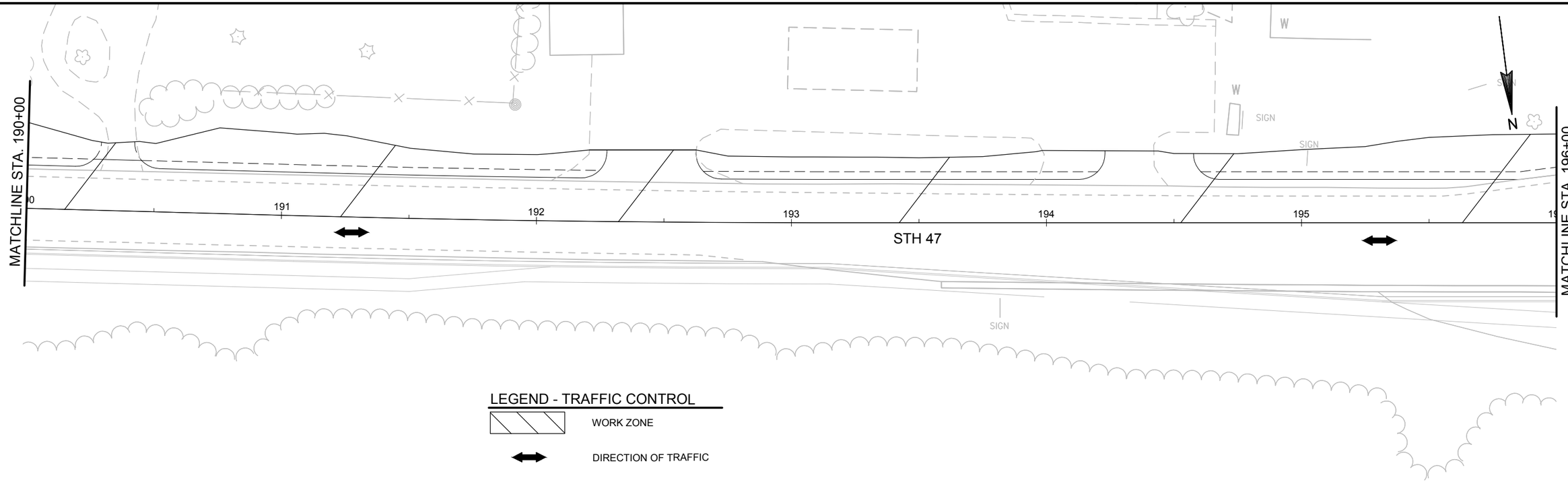
RIPRAP

SIGN

SIGN

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 5	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE5.DWG PLOT DATE : 2/13/2019 9:05 AM PLOT BY : DOLAN, ISAAC PLOT NAME :



LEGEND - TRAFFIC CONTROL

WORK ZONE

DIRECTION OF TRAFFIC

2

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 5	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE5.DWG PLOT DATE : 2/13/2019 9:05 AM PLOT BY : DOLAN, ISAAC PLOT NAME :

2

COURTHOUSE LN

SIGN

N

T

WOLF RIVER DR

SIGN

SIGN

MATCHLINE STA. 196+00

196

197

198

199

200

201

202

STH 47

MATCHLINE STA. 202+00

SIGN

SIGN

SIGN

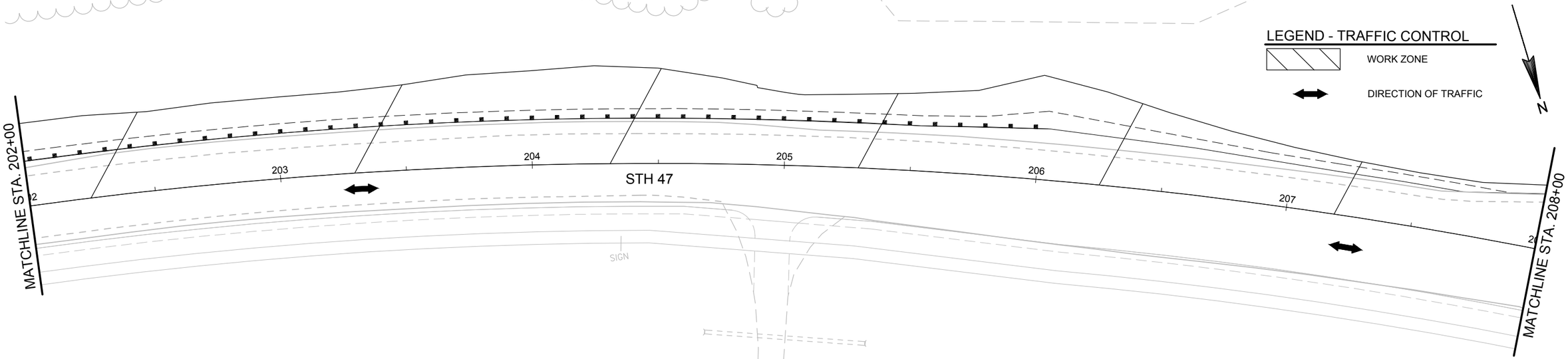
LEGEND - TRAFFIC CONTROL

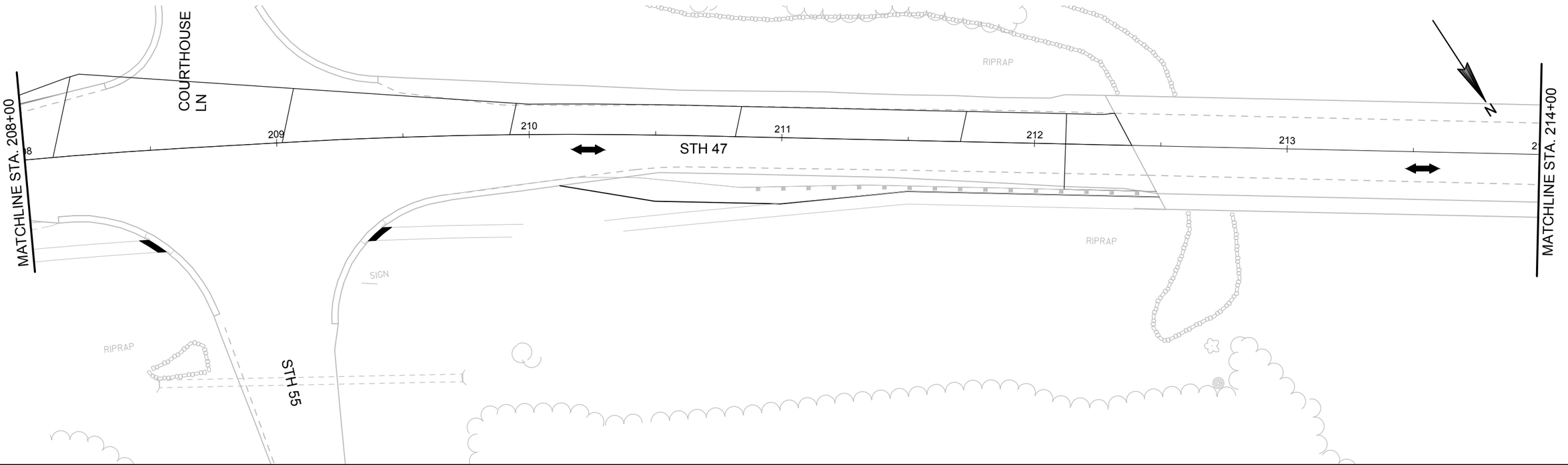
WORK ZONE

DIRECTION OF TRAFFIC

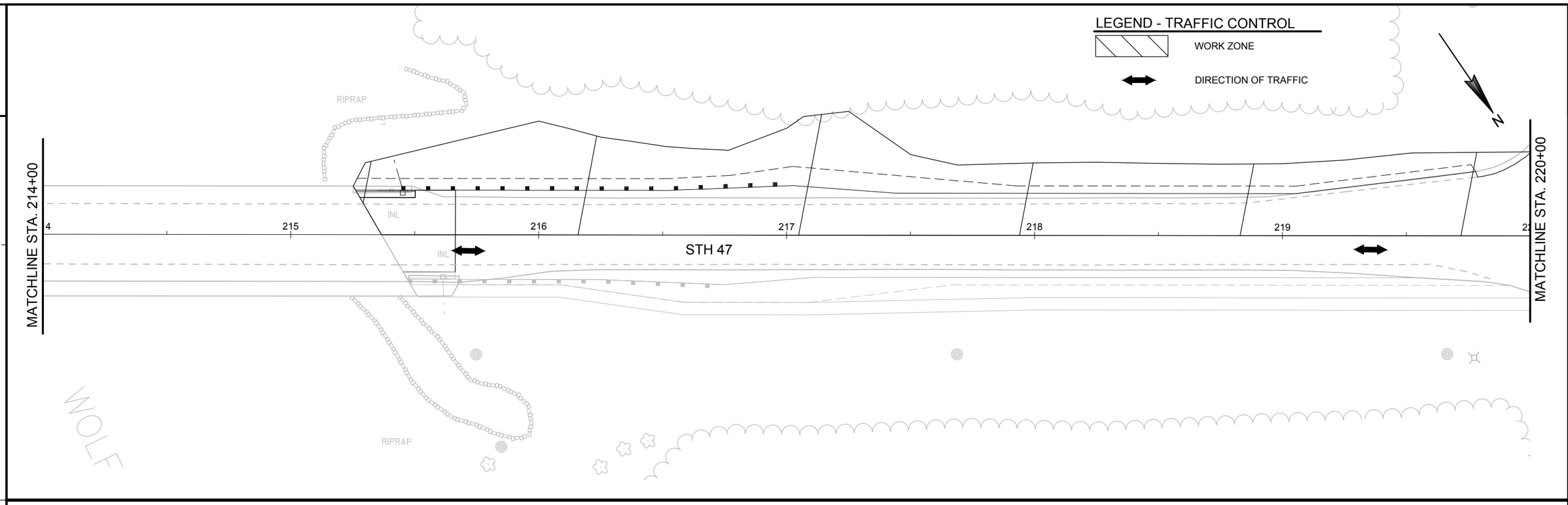
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 5	SHEET	E

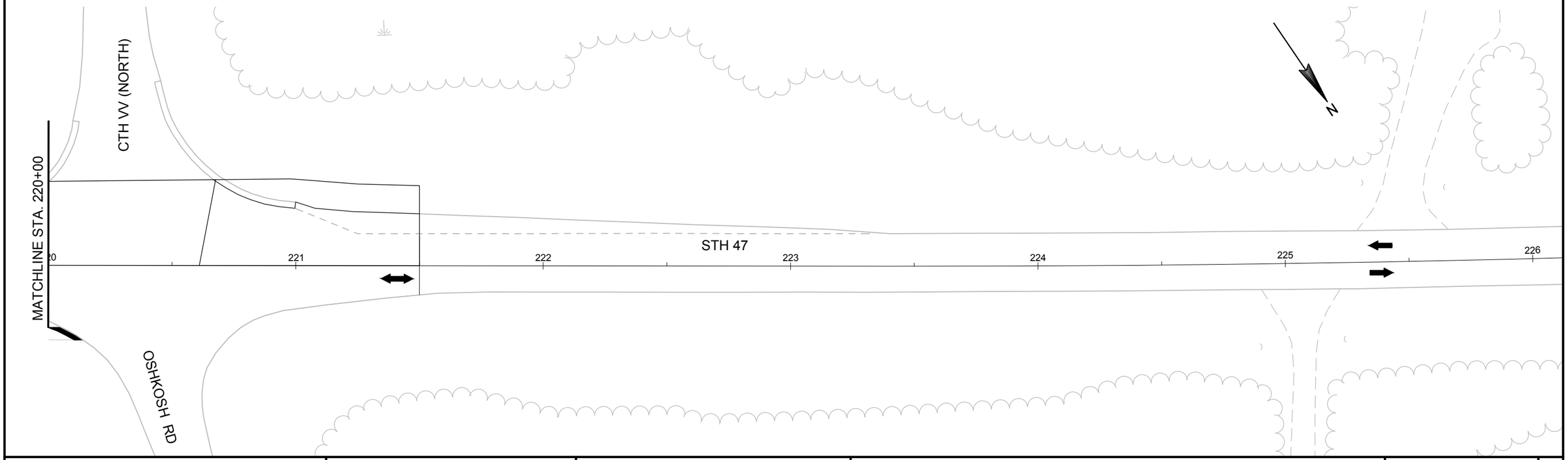
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE5.DWG PLOT DATE : 2/13/2019 9:05 AM PLOT BY : DOLAN, ISAAC PLOT NAME :





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 5	SHEET	E





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	TRAFFIC CONTROL - STAGE 5	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0250_TC_STAGE5.DWG PLOT DATE : 2/13/2019 9:06 AM PLOT BY : DOLAN, ISAAC PLOT NAME :

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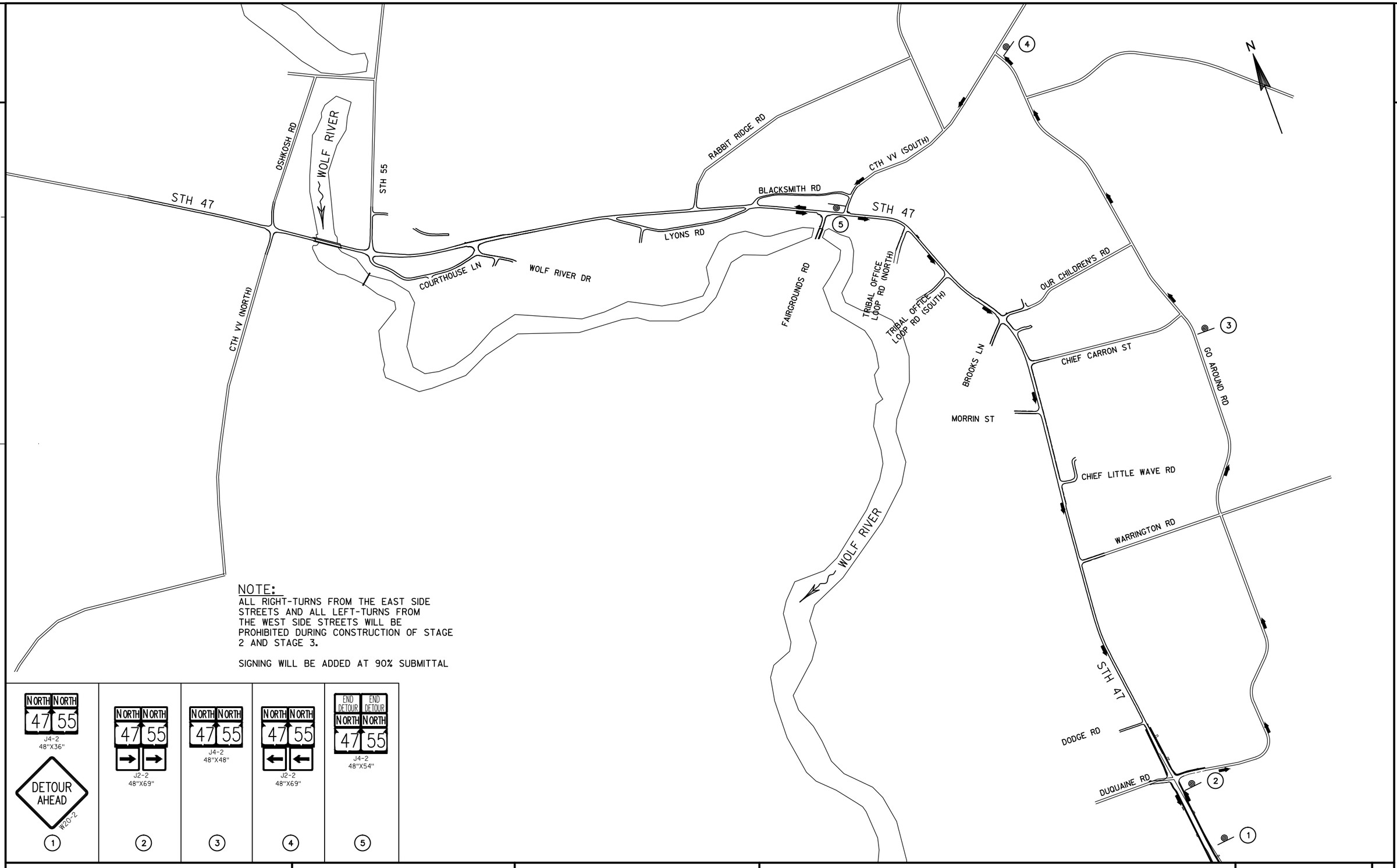
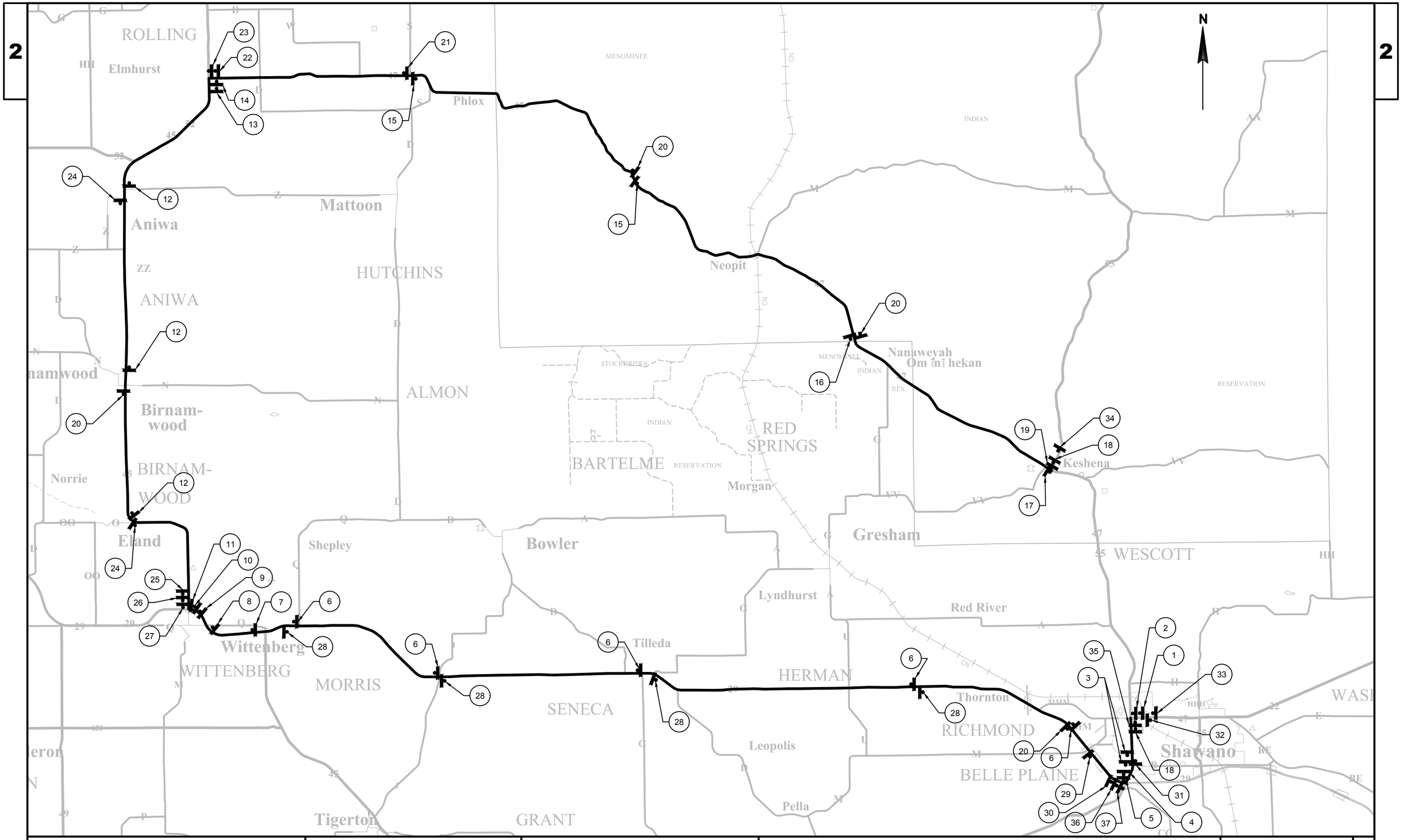


NOTE:
ALL RIGHT-TURNS FROM THE EAST SIDE STREETS AND ALL LEFT-TURNS FROM THE WEST SIDE STREETS WILL BE PROHIBITED DURING CONSTRUCTION OF STAGE 2 AND STAGE 3.

SIGNING WILL BE ADDED AT 90% SUBMITTAL

1	2	3	4	5
NORTH 47 NORTH 55 J4-2 48"X36"	NORTH 47 NORTH 55 J2-2 48"X69"	NORTH 47 NORTH 55 J4-2 48"X48"	NORTH 47 NORTH 55 J2-2 48"X69"	END DETOUR NORTH 47 END DETOUR NORTH 55 J4-2 48"X54"
DETOUR AHEAD W20-2				

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	DETOUR - STAGE 2 AND STAGE 3	SHEET	E

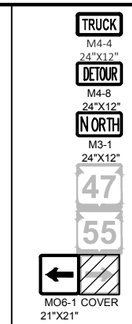


PROJECT NO: 9650-17-61/70	HWY: STH 47	COUNTY: MENOMINEE	DETOUR - TRUCK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0270_DT_TRUCK.DWG
LAYOUT NAME - ****

PLOT DATE : 1/9/2019 2:39 PM PLOT BY : KOCH, LARRY PLOT NAME : PLOT SCALE : Custom

1



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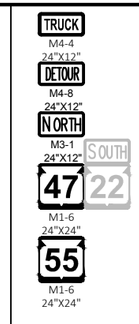

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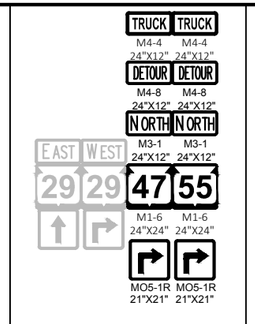

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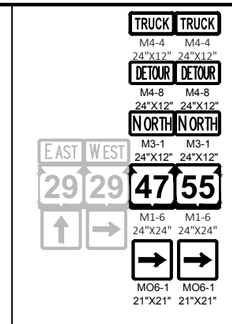

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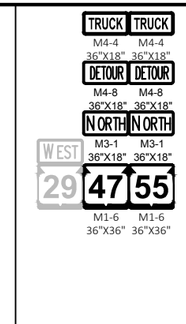

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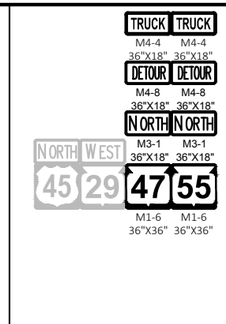

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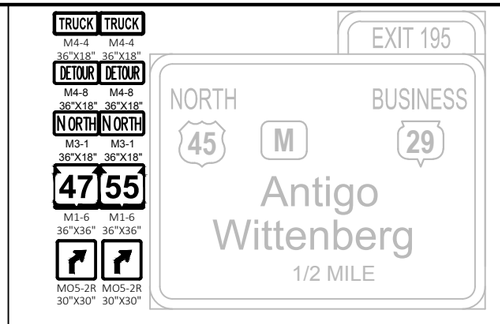

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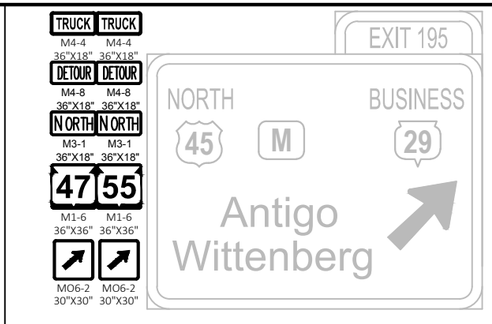

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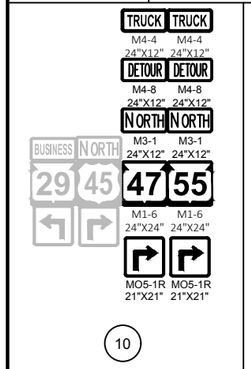

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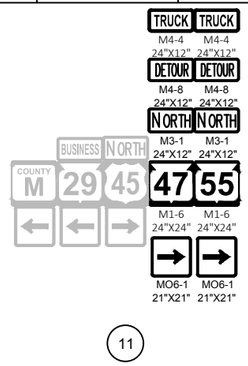

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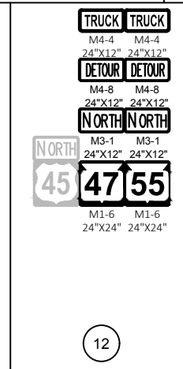

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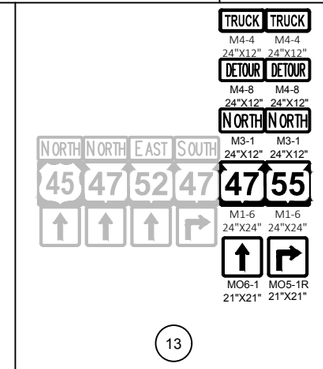

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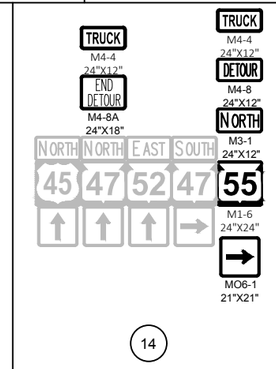

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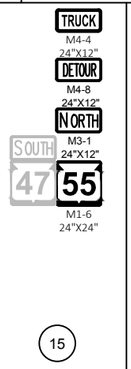

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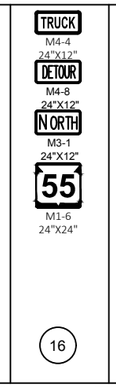

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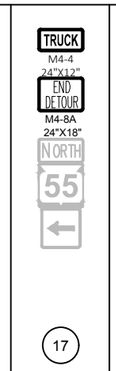

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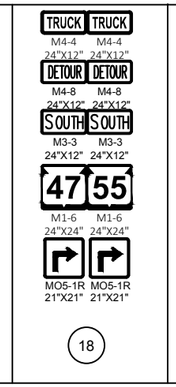

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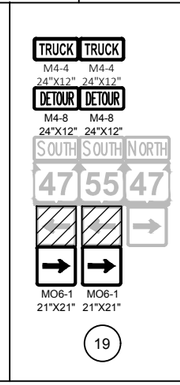

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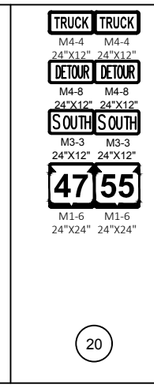

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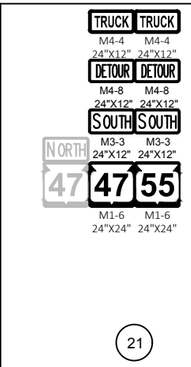

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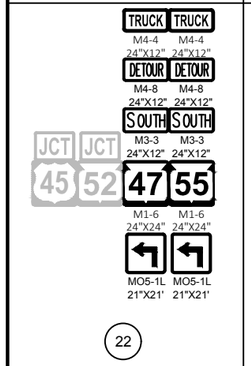

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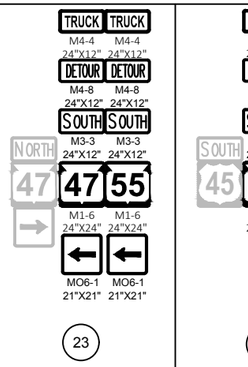

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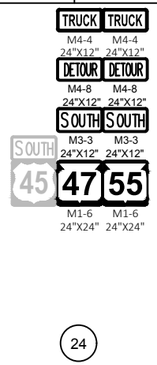

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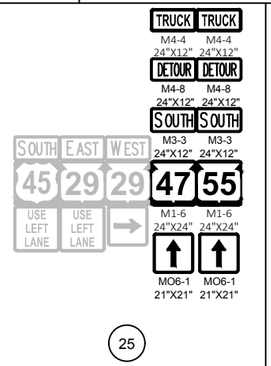

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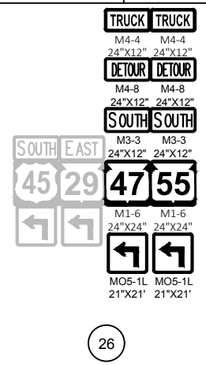

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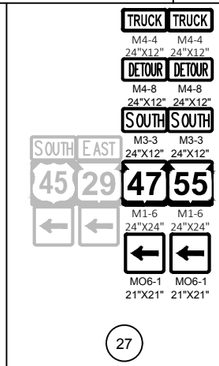

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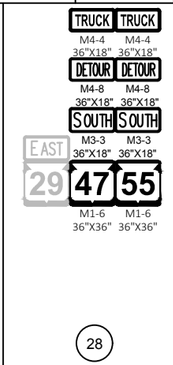

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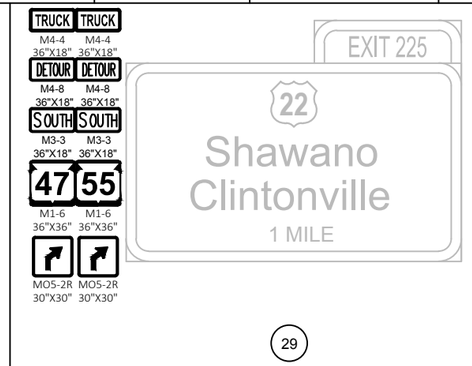

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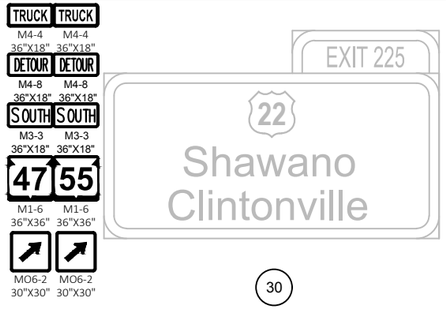

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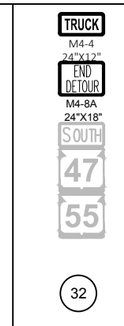

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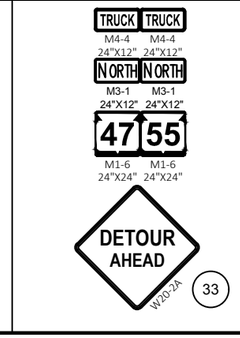

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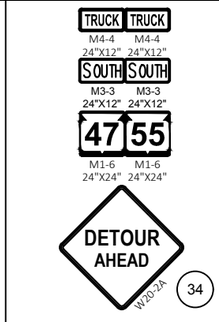

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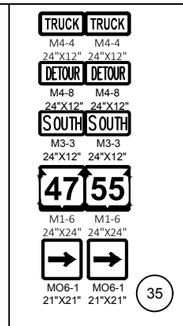

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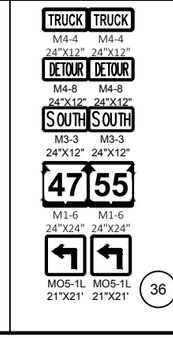

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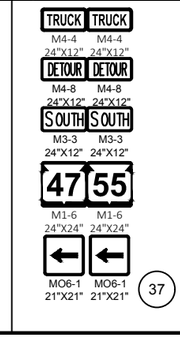

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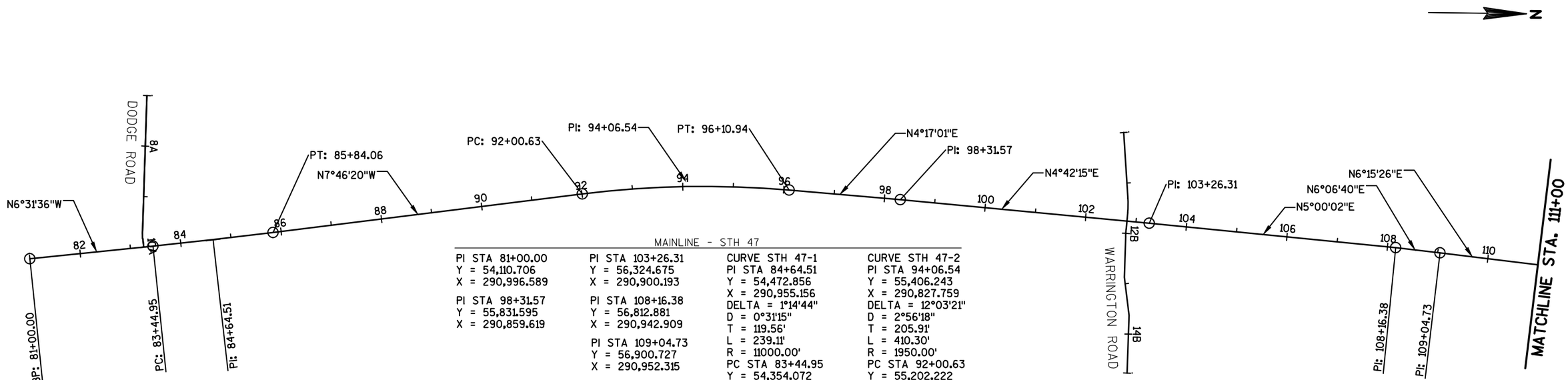
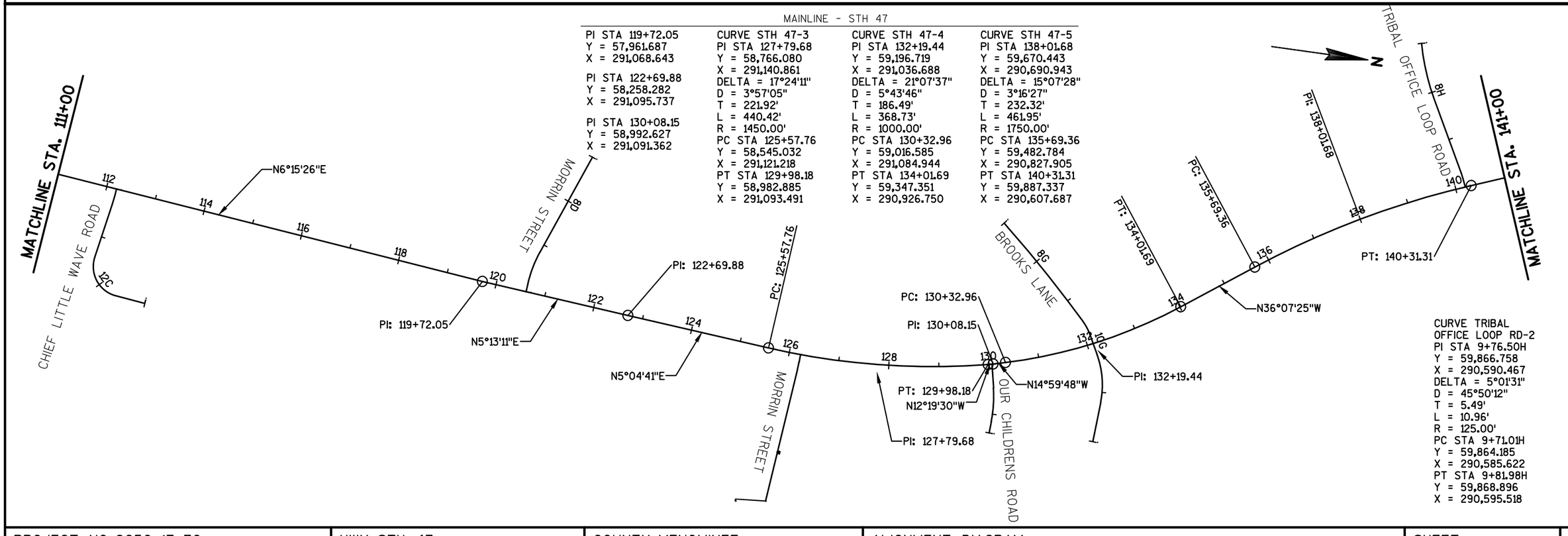
PROJECT NO: 9650-17-61/70	HWY: STH 47	COUNTY: MENOMINEE	DETOUR - TRUCK	SHEET	E

2



MAINLINE - STH 47

PI STA 81+00.00 Y = 54,110.706 X = 290,996.589	PI STA 103+26.31 Y = 56,324.675 X = 290,900.193	CURVE STH 47-1 PI STA 84+64.51 Y = 54,472.856 X = 290,955.156 DELTA = 1°14'44" D = 0°31'15" T = 119.56' L = 239.11' R = 11000.00' PC STA 83+44.95 Y = 54,354.072 X = 290,968.746 PT STA 85+84.06 Y = 54,591.316 X = 290,938.987	CURVE STH 47-2 PI STA 94+06.54 Y = 55,406.243 X = 290,827.759 DELTA = 12°03'21" D = 2°56'18" T = 205.91' L = 410.30' R = 1950.00' PC STA 92+00.63 Y = 55,202.222 X = 290,855.606 PT STA 96+10.94 Y = 55,611.580 X = 290,843.139
PI STA 98+31.57 Y = 55,831.595 X = 290,859.619	PI STA 108+16.38 Y = 56,812.881 X = 290,942.909 PI STA 109+04.73 Y = 56,900.727 X = 290,952.315		



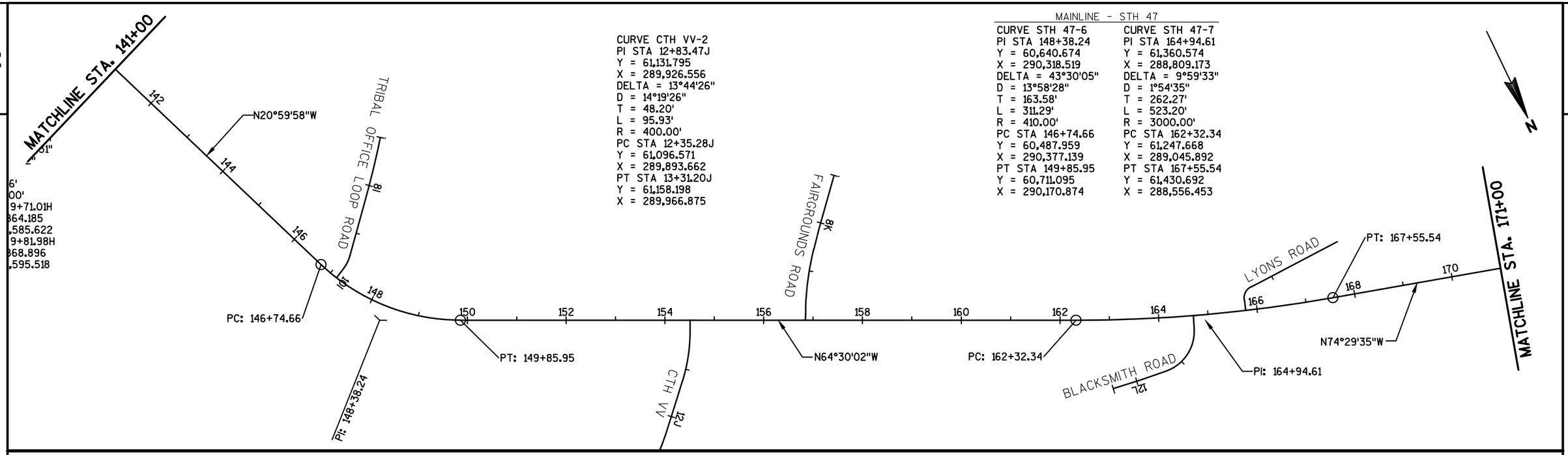
MAINLINE - STH 47

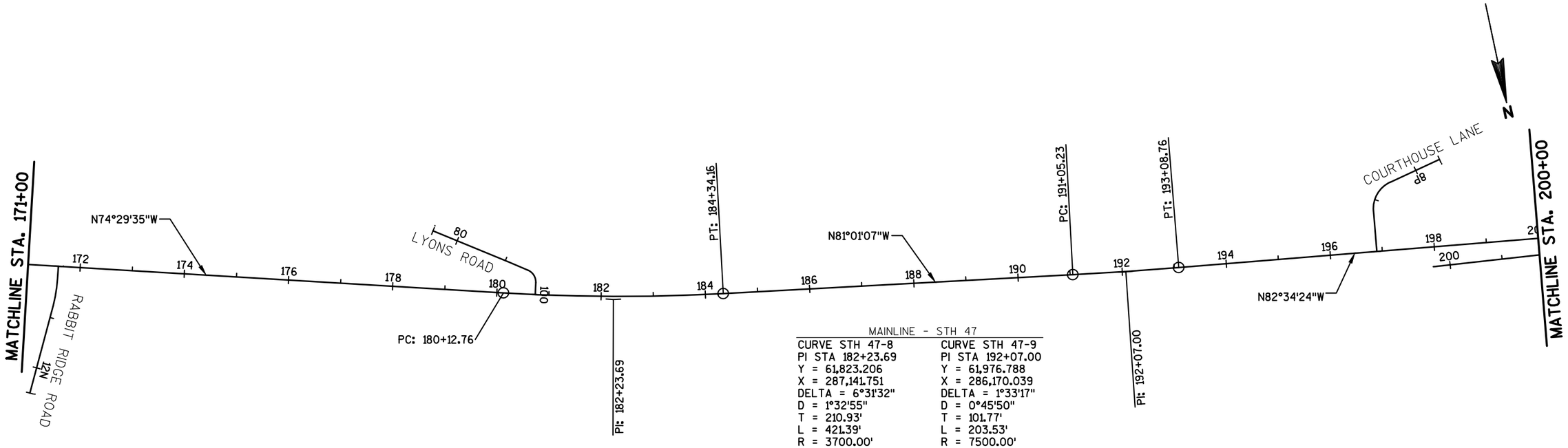
PI STA 119+72.05 Y = 57,961.687 X = 291,068.643	CURVE STH 47-3 PI STA 127+79.68 Y = 58,766.080 X = 291,140.861 DELTA = 17°24'11" D = 3°57'05" T = 221.92' L = 440.42' R = 1450.00' PC STA 125+57.76 Y = 58,545.032 X = 291,121.218 PT STA 129+98.18 Y = 58,982.885 X = 291,093.491	CURVE STH 47-4 PI STA 132+19.44 Y = 59,196.719 X = 291,036.688 DELTA = 21°07'37" D = 5°43'46" T = 186.49' L = 368.73' R = 1000.00' PC STA 130+32.96 Y = 59,016.585 X = 291,084.944 PT STA 134+01.69 Y = 59,347.351 X = 290,926.750	CURVE STH 47-5 PI STA 138+01.68 Y = 59,670.443 X = 290,690.943 DELTA = 15°07'28" D = 3°16'27" T = 232.32' L = 461.95' R = 1750.00' PC STA 135+69.36 Y = 59,482.784 X = 290,827.905 PT STA 140+31.31 Y = 59,887.337 X = 290,607.687
PI STA 122+69.88 Y = 58,258.282 X = 291,095.737			
PI STA 130+08.15 Y = 58,992.627 X = 291,091.362			

CURVE TRIBAL OFFICE LOOP RD-2
PI STA 9+76.50H
Y = 59,866.758
X = 290,590.467
DELTA = 5°01'31"
D = 45°50'12"
T = 5.49'
L = 10.96'
R = 125.00'
PC STA 9+71.01H
Y = 59,864.185
X = 290,585.622
PT STA 9+81.98H
Y = 59,868.896
X = 290,595.518

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	ALIGNMENT DIAGRAM	SHEET	E

2





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	ALIGNMENT DIAGRAM	SHEET	E

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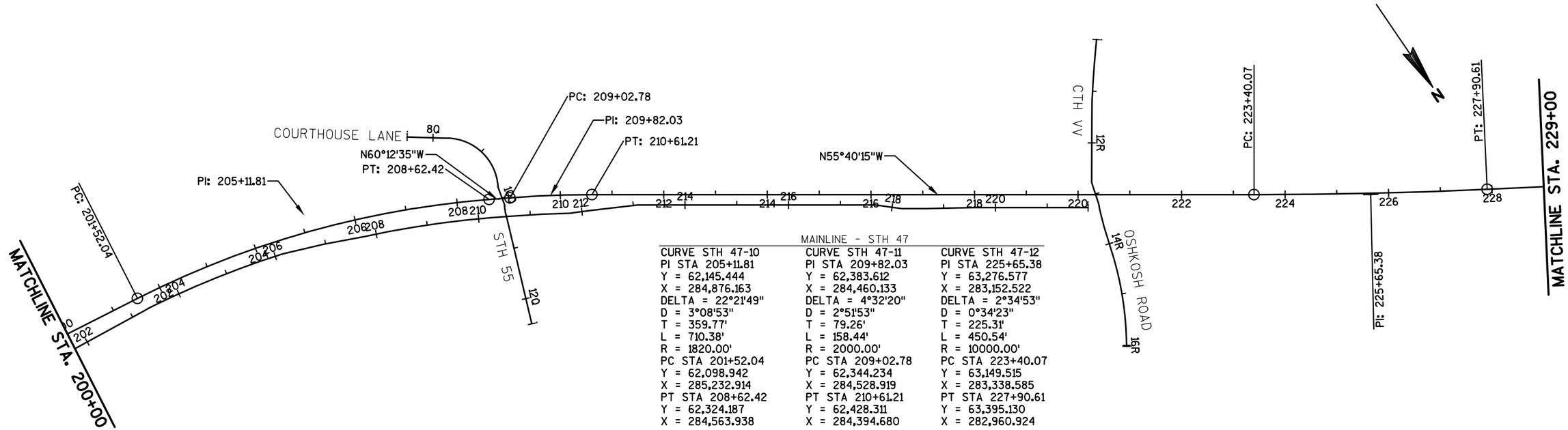
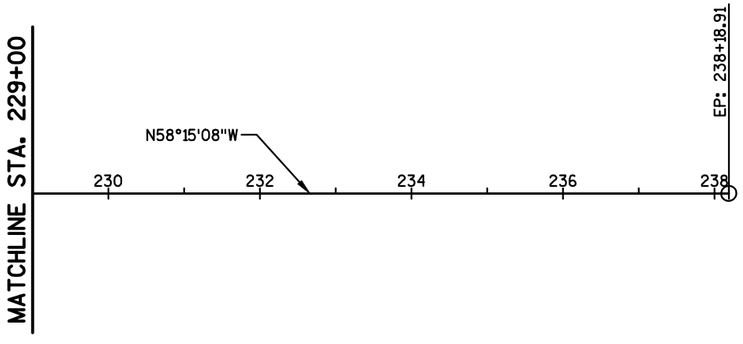
LAYOUT NAME - ****
PLOT DATE : 1/11/2019 3:49 PM PLOT BY : KOCH, LARRY PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42



MAINLINE - STH 47

CURVE STH 47-10	CURVE STH 47-11	CURVE STH 47-12
PI STA 205+11.81	PI STA 209+82.03	PI STA 225+65.38
Y = 62,145.444	Y = 62,383.612	Y = 63,276.577
X = 284,876.163	X = 284,460.133	X = 283,152.522
DELTA = 22°21'49"	DELTA = 4°32'20"	DELTA = 2°34'53"
D = 3°08'53"	D = 2°51'53"	D = 0°34'23"
T = 359.77'	T = 79.26'	T = 225.31'
L = 710.38'	L = 158.44'	L = 450.54'
R = 1820.00'	R = 2000.00'	R = 10000.00'
PC STA 201+52.04	PC STA 209+02.78	PC STA 223+40.07
Y = 62,098.942	Y = 62,344.234	Y = 63,149.515
X = 285,232.914	X = 284,528.919	X = 283,338.585
PT STA 208+62.42	PT STA 210+61.21	PT STA 227+90.61
Y = 62,324.187	Y = 62,428.311	Y = 63,395.130
X = 284,563.938	X = 284,394.680	X = 282,960.924

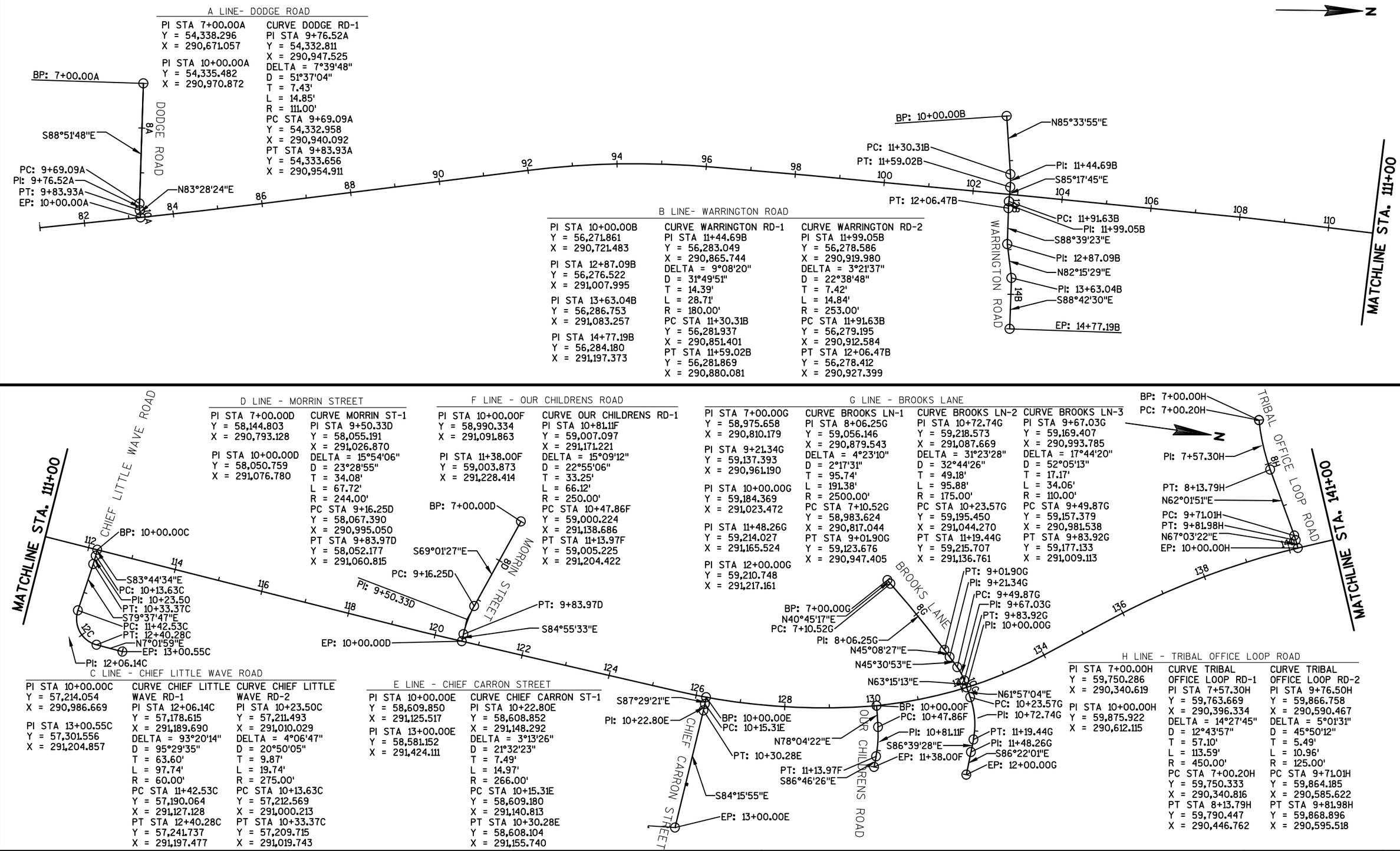


MAINLINE - STH 47

PI STA 238+18.91
Y = 63,936.202
X = 282,086.482

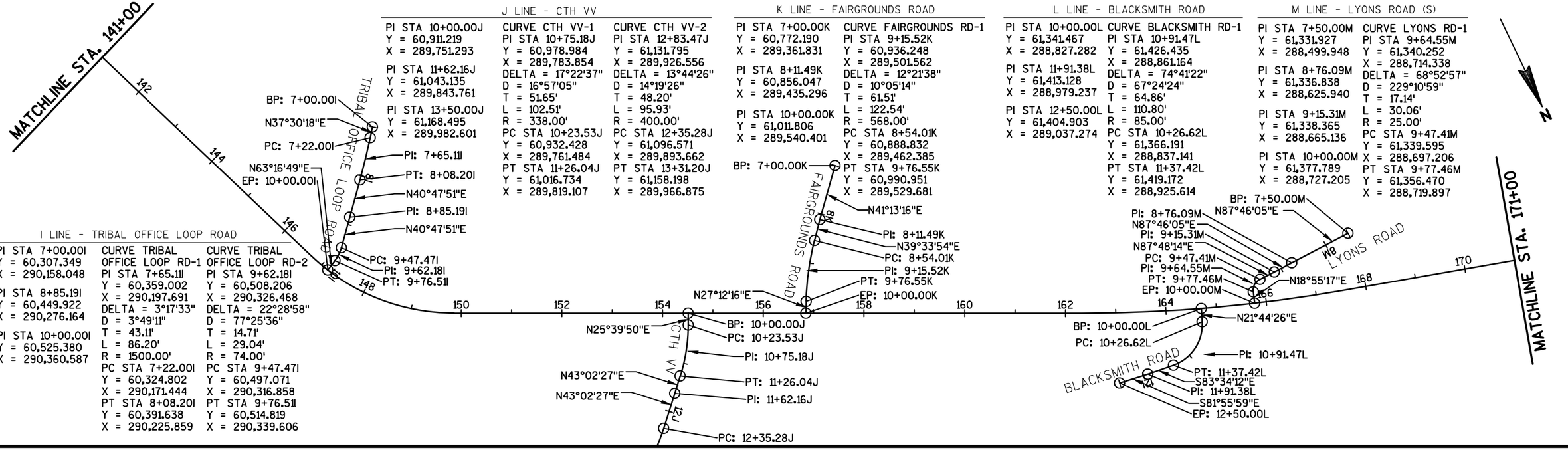
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	ALIGNMENT DIAGRAM	SHEET	E

2



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	ALIGNMENT DIAGRAM	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0272_AD.DWG
LAYOUT NAME - ****
PLOT DATE : 1/11/2019 3:49 PM PLOT BY : KOCH, LARRY PLOT NAME : PLOT SCALE : 1 IN:200 FT



I LINE - TRIBAL OFFICE LOOP ROAD

PI STA 7+00.00I	CURVE TRIBAL	CURVE TRIBAL
Y = 60,307.349	OFFICE LOOP RD-1	OFFICE LOOP RD-2
X = 290,158.048	PI STA 7+65.11I	PI STA 9+62.18I
	Y = 60,359.002	Y = 60,508.206
PI STA 8+85.19I	X = 290,197.691	X = 290,326.468
Y = 60,449.922	DELTA = 3°17'33"	DELTA = 22°28'58"
X = 290,276.164	D = 3°49'11"	D = 77°25'36"
	T = 43.11'	T = 14.71'
PI STA 10+00.00I	L = 86.20'	L = 29.04'
Y = 60,525.380	R = 1500.00'	R = 74.00'
X = 290,360.587	PC STA 7+22.00I	PC STA 9+47.47I
	Y = 60,324.802	Y = 60,497.071
	X = 290,171.444	X = 290,316.858
	PT STA 8+08.20I	PT STA 9+76.51I
	Y = 60,391.638	Y = 60,514.819
	X = 290,225.859	X = 290,339.606

J LINE - CTH VV

PI STA 10+00.00J	CURVE CTH VV-1	CURVE CTH VV-2
Y = 60,911.219	PI STA 10+75.18J	PI STA 12+83.47J
X = 289,751.293	Y = 60,978.984	Y = 61,131.795
	X = 289,783.854	X = 289,926.556
PI STA 11+62.16J	DELTA = 17°22'37"	DELTA = 13°44'26"
Y = 61,043.135	D = 16°57'05"	D = 14°19'26"
X = 289,843.761	T = 51.65'	T = 48.20'
	L = 102.51'	L = 95.93'
PI STA 13+50.00J	R = 338.00'	R = 400.00'
Y = 61,168.495	PC STA 10+23.53J	PC STA 12+35.28J
X = 289,982.601	Y = 60,932.428	Y = 61,096.571
	X = 289,761.484	X = 289,893.662
	PT STA 11+26.04J	PT STA 13+31.20J
	Y = 61,016.734	Y = 61,158.198
	X = 289,819.107	X = 289,966.875

K LINE - FAIRGROUNDS ROAD

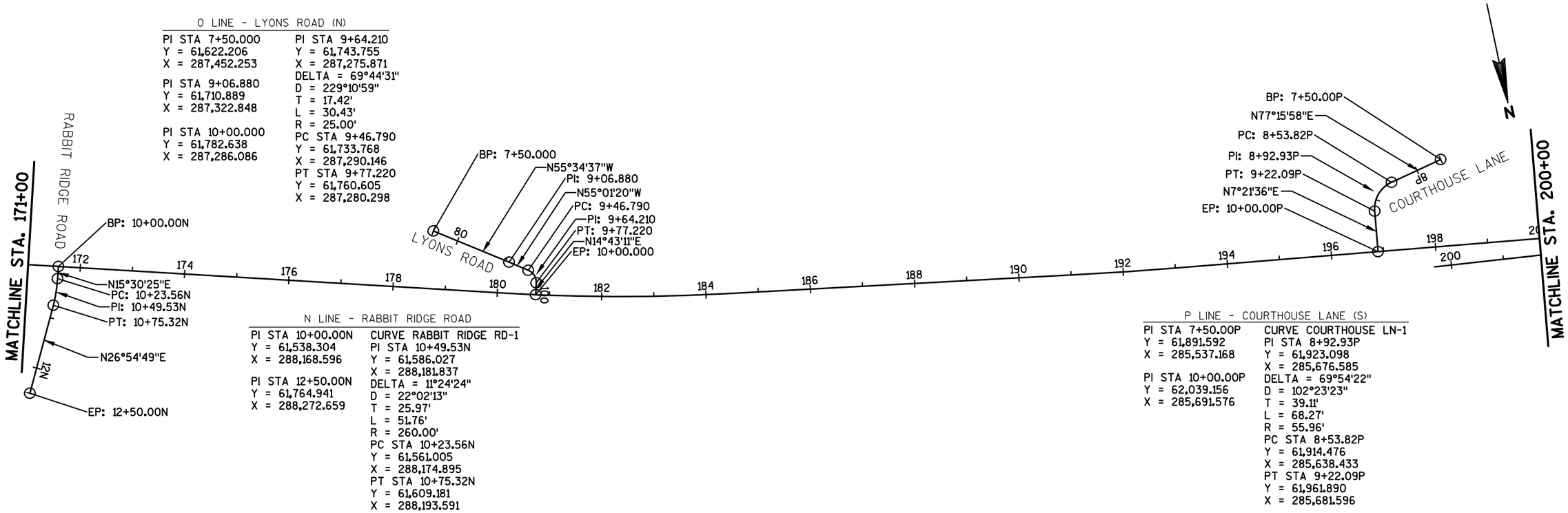
PI STA 7+00.00K	CURVE FAIRGROUNDS RD-1
Y = 60,772.190	PI STA 9+15.52K
X = 289,361.831	Y = 60,936.248
	X = 289,501.562
PI STA 8+11.49K	DELTA = 12°21'38"
Y = 60,856.047	D = 10°05'14"
X = 289,435.296	T = 61.51'
	L = 122.54'
PI STA 10+00.00K	R = 568.00'
Y = 61,011.806	PC STA 8+54.01K
X = 289,540.401	Y = 60,888.832
	X = 289,462.385
	PT STA 9+76.55K
	Y = 60,990.951
	X = 289,529.681

L LINE - BLACKSMITH ROAD

PI STA 10+00.00L	CURVE BLACKSMITH RD-1
Y = 61,341.467	PI STA 10+91.47L
X = 288,827.282	Y = 61,426.435
	X = 288,861.164
PI STA 11+91.38L	DELTA = 74°41'22"
Y = 61,413.128	D = 67°24'24"
X = 288,979.237	T = 64.86'
	L = 110.80'
PI STA 12+50.00L	R = 85.00'
Y = 61,404.903	PC STA 10+26.62L
X = 289,037.274	Y = 61,366.191
	X = 288,837.141
	PT STA 11+37.42L
	Y = 61,419.172
	X = 288,925.614

M LINE - LYONS ROAD (S)

PI STA 7+50.00M	CURVE LYONS RD-1
Y = 61,331.927	PI STA 9+64.55M
X = 288,499.948	Y = 61,340.252
	X = 288,714.338
PI STA 8+76.09M	DELTA = 68°52'57"
Y = 61,336.838	D = 229°10'59"
X = 288,625.940	T = 17.14'
	L = 30.06'
PI STA 9+15.31M	R = 25.00'
Y = 61,338.365	PC STA 9+47.41M
X = 288,665.136	Y = 61,339.595
	X = 288,697.206
PI STA 10+00.00M	PT STA 9+77.46M
Y = 61,377.789	Y = 61,356.470
X = 288,727.205	X = 288,719.897



O LINE - LYONS ROAD (N)

PI STA 7+50.000	PI STA 9+64.210
Y = 61,622.206	Y = 61,743.755
X = 287,452.253	X = 287,275.871
	DELTA = 69°44'31"
PI STA 9+06.880	D = 229°10'59"
Y = 61,710.889	T = 17.42'
X = 287,322.848	L = 30.43'
	R = 25.00'
PI STA 10+00.000	PC STA 9+46.790
Y = 61,782.638	Y = 61,733.768
X = 287,286.086	X = 287,290.146
	PT STA 9+77.220
	Y = 61,760.605
	X = 287,280.298

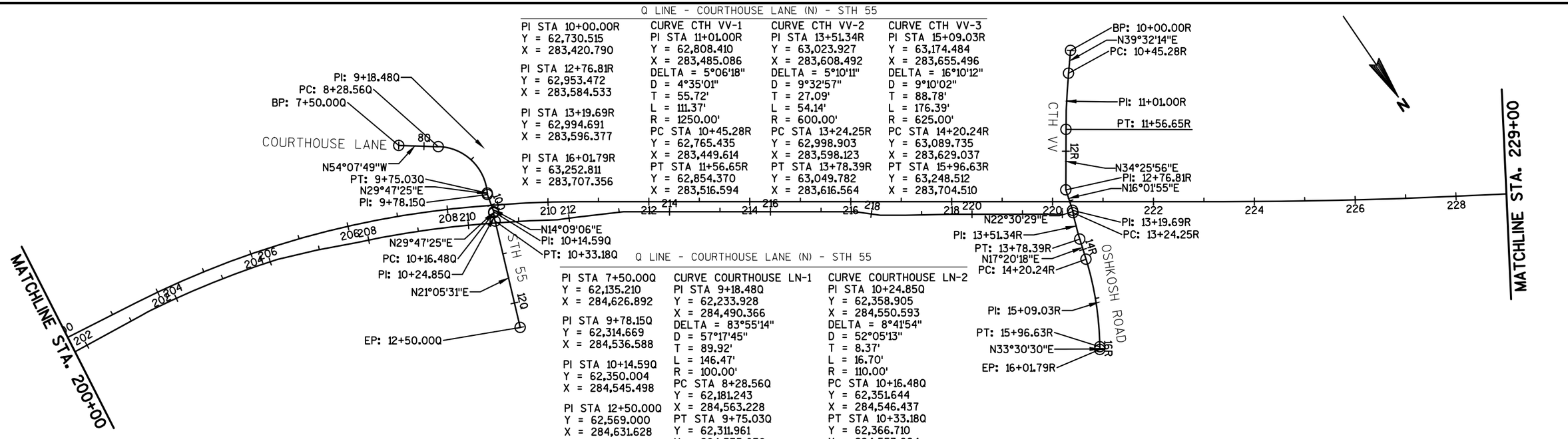
N LINE - RABBIT RIDGE ROAD

PI STA 10+00.00N	CURVE RABBIT RIDGE RD-1
Y = 61,538.304	PI STA 10+49.53N
X = 288,168.596	Y = 61,586.027
	X = 288,181.837
PI STA 12+50.00N	DELTA = 11°24'24"
Y = 61,764.941	D = 22°02'13"
X = 288,272.659	T = 25.97'
	L = 51.76'
	R = 260.00'
	PC STA 10+23.56N
	Y = 61,561.005
	X = 288,174.895
	PT STA 10+75.32N
	Y = 61,609.181
	X = 288,193.591

P LINE - COURTHOUSE LANE (S)

PI STA 7+50.00P	CURVE COURTHOUSE LN-1
Y = 61,891.592	PI STA 8+92.93P
X = 285,537.168	Y = 61,923.098
	X = 285,676.585
PI STA 10+00.00P	DELTA = 69°54'22"
Y = 62,039.156	D = 102°23'23"
X = 285,691.576	T = 39.11'
	L = 68.27'
	R = 55.96'
	PC STA 8+53.82P
	Y = 61,914.476
	X = 285,638.433
	PT STA 9+22.09P
	Y = 61,961.890
	X = 285,681.596

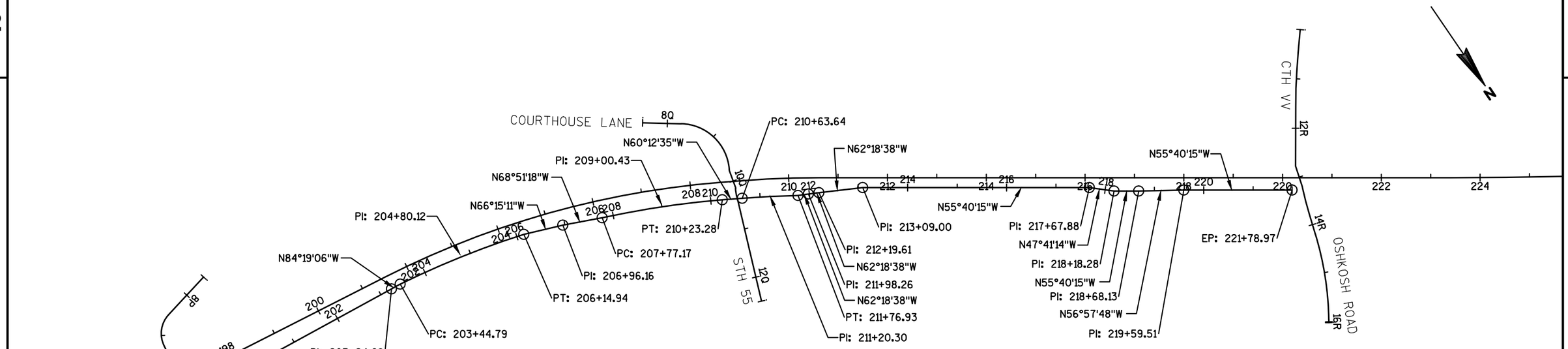
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	ALIGNMENT DIAGRAM	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	ALIGNMENT DIAGRAM	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0272_AD.DWG
LAYOUT NAME - ****
PLOT DATE : 1/11/2019 3:49 PM PLOT BY : KOCH, LARRY PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

2



SIDEWALK

PI STA 199+71.47
Y = 62,090.944
X = 285,587.903

PI STA 203+24.68
Y = 62,125.912
X = 285,236.430

PI STA 204+80.12
Y = 62,147.002
X = 285,082.438
DELTA = 8°37'50"
D = 3°11'41"
T = 135.33'
L = 270.15'
R = 1793.42'
PC STA 203+44.79
Y = 62,128.006
X = 285,216.430
PT STA 206+14.94
Y = 62,185.889
X = 284,952.815

PI STA 206+96.16
Y = 62,215.188
X = 284,877.063

PI STA 209+00.43
Y = 62,293.761
X = 284,688.538
DELTA = 7°54'07"
D = 3°12'39"
T = 123.25'
L = 246.11'
R = 1784.50'
PC STA 207+77.17
Y = 62,247.814
X = 284,802.904
PT STA 210+23.28
Y = 62,354.995
X = 284,581.575

PI STA 211+20.30
Y = 62,403.194
X = 284,497.381
DELTA = 3°18'15"
D = 2°55'00"
T = 56.66'
L = 113.29'
R = 1964.50'
PC STA 210+63.64
Y = 62,375.043
X = 284,546.556
PT STA 211+76.93
Y = 62,434.134
X = 284,449.911

PI STA 211+98.26
Y = 62,443.699
X = 284,430.850

PI STA 212+19.61
Y = 62,453.484
X = 284,411.871

PI STA 213+09.00
Y = 62,495.021
X = 284,332.720

PI STA 217+67.88
Y = 62,753.804
X = 283,953.771

PI STA 218+18.28
Y = 62,787.732
X = 283,916.502

PI STA 218+68.13
Y = 62,815.846
X = 283,875.332

PI STA 219+59.51
Y = 62,865.664
X = 283,798.727

PI STA 221+78.97
Y = 62,989.428
X = 283,617.493

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	ALIGNMENT DIAGRAM	SHEET	E

CLEARING AND GRUBBING

STAGE	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
2	83+50 to 84+50 LT	STH 47	1	1
	85+00 to 86+50 RT	STH 47	1.5	1.5
	86+00 to 86+50 LT	STH 47	0.5	0.5
	88+00 to 88+50 RT	STH 47	0.5	0.5
	89+50 to 93+50 LT	STH 47	4	4
	90+00 to 92+50 RT	STH 47	2.5	2.5
	94+00 to 95+50 RT	STH 47	1.5	1.5
	94+00 to 101+00 LT	STH 47	7	7
	103+50 to 104+50 LT	STH 47	0.5	0.5
	105+50 to 108+00 LT	STH 47	0.5	0.5
	108+50 to 119+50 LT	STH 47	9.5	9.5
	122+50 to 127+50 LT	STH 47	3.5	3.5
	133+00 to 140+00 LT	STH 47	3.5	3.5
	142+00 to 143+00 LT	STH 47	0.5	0.5
	144+00 to 145+00 LT	STH 47	0.5	0.5
	146+00 to 146+50 LT	STH 47	0.5	0.5
	147+50 to 148+50 LT	STH 47	0.5	0.5
	11+00 to 11+50 LT	WARRINGTON RD	0.5	0.5
3	115+00 to 115+50 RT	STH 47	0.5	0.5
	136+50 to 137+50 RT	STH 47	0.5	0.5
	141+50 to 142+50 RT	STH 47	0.5	0.5
	148+50 to 149+50 RT	STH 47	0.5	0.5
	150+00 to 151+50 RT	STH 47	1	1
4	162+00 to 162+50 RT	STH 47	0.5	0.5
	168+00 to 170+50 RT	STH 47	2	2
	175+00 to 178+00 RT	STH 47	2.5	2.5
5	168+50 to 171+00 LT	STH 47	2	2
	171+50 to 172+00 LT	STH 47	0.5	0.5
	175+00 to 178+00 LT	STH 47	2.5	2.5
	182+00 to 190+00 LT	STH 47	5.5	5.5
	180+50 to 181+00 LT	LYONS RD (NORTH)	0.5	0.5
TOTALS			**57.5**	**57.5**

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	SIZE (IN)	TYPE	203.0100 REMOVING SMALL PIPE CULVERTS EACH	
82+90	DRIVEWAY, RT		CCR	1	CMP
83+27	DODGE RD, LT	24	CCR	1	CMP
86+61	DRIVEWAY, LT	15	CCR	1	CMP
87+77	DRIVEWAY, RT	12	CCR	1	CMP
91+37	DRIVEWAY, RT	18	CCR	1	CMP
92+29	DRIVEWAY, RT	15	CCR	1	CMP
93+63	STH 47, CROSS	24	CCR	1	CMP
95+09	DRIVEWAY, RT	15	CCR	1	CMP
96+82	DRIVEWAY, RT	15X24	CCR	1	CMP
99+53	OUTFALL PIPE, RT	15X24	CCR	1	CMP
101+58	DRIVEWAY, LT	18	CCR	1	CMP
102+73	DRIVEWAY, LT	24	CCR	1	CMP
106+91	DRIVEWAY, RT	12X18	CCR	1	CMP
112+21	CHIEF LITTLE WAVE RD, RT	18	CCR	1	CMP
126+25	CHIEF CARRON RD, RT	18	CCN	1	RCP
132+04	BROOKS LN, LT	18	CCN	1	RCP
132+10	OUR CHILDRENS RD, RT	18	CCN	1	RCP
139+66	STH 47, CROSS	UNKNOWN		1	
147+53	NORTH TRIBAL OFFICE LOOP RD, RT	18	CCN	1	
154+15	STH 47, CROSS		RCP BOX	1	
175+75	STH 47, CROSS	24	CCR	1	
178+75	DRIVEWAY, RT	18	CCN	1	RCP
180+00	DRIVEWAY, RT	18	CCN	1	RCP
189+60	STH 47, CROSS	24	CCR	1	CMP
200+40	STH 47, CROSS	36	CCR	1	CMP
205+00	DRIVEWAY, RT	18	CCR	1	CMP
208+75	COURTHOUSE LN (N), LT	24	CCR	1	CMP
209+00	STH 55 (N), RT	36	CCR	1	CMP
215+45	BRIDGE SURFACE DRAIN, LT	UNKNOWN		1	
215+55	BRIDGE SURFACE DRAIN, RT	UNKNOWN		1	
TOTAL				**30**	

3

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

ALL ITEMS ARE PROJECT ID **9650-17-70** UNLESS OTHERWISE SPECIFIED.

3

Division	From/To Station	Location	Common Excavation (1)	(item # 205.0100)	Salvaged/Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (8)	Mass Ordinate +/- (9)	Waste	Borrow	Comment:
			Cut (2)	EBS Excavation (3)				Factor 1.25			(item #208.0100)	
STH 47	Start to 155+50	Mainline Stage 2 (Left Side)	5582		406	5176	6962	8702	-3526		3526	
	Start to 155+50	Mainline Stage 3 (Right Side)	4303		406	3897	3261	4077	-180		180	
	155+50 to End	Mainline Stage 4 (Right Side)	3580		356	3224	8550	10687	-7463		7463	
	155+50 to End	Mainline Stage 5 (Left Side)	3585		355	3230	2808	3510	-280		280	
	146+00 to 157+63	Reconstruction Limits		7913				0	0		0	
						0		0	0		0	
Project Subtotal			17049	7913	1522	15527	21580	26975	-11448		11448	
Grand Total			17049	7913	1522	15527	21580	26975	-11448	0	11448	
			Total Common Exc	24962								

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with Select Borrow material. Note: this is designers choice, can be backfilled with Borrow, or Cut as well.
4) Salvaged/Unusable Pavement Material was assumed for an average of 3' of pavement in width approximately 6 inches in thickness to account for any material removed as part of the scabbing operation during each stage.
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
6) Reduced EBS in Fill - Excavated EBS material is usuable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
7) Expanded EBS Backfill - This is to be filled with Select Borrow material. EBS Backfill Factor = 1.3. Item number 208.11
8) Expanded Fill. Factor = 1.25
9) 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.
10) Borrow Excavation item number 208.0100

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SAWING PAVEMENT

STATION		STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
	82+46		CONCRETE SIDEWALK, LT/RT	--	10
	82+46		CONCRETE CURB AND GUTTER, LT/RT	--	4
	82+46		STH 47, CROSS	34	--
82+46	-	82+74	STH 47, RT	28	--
82+46	-	82+74	STH 47, LT	28	--
	82+74		STH 47, CROSS	25	--
	82+84		STH 47, CROSS	25	--
82+84	-	88+44	STH 47, LT	560	--
82+84	-	88+44	STH 47, RT	560	--
83+19	-	83+37	DODGE RD	127	--
	88+44		STH 47, CROSS	24	--
	88+53		STH 47, CROSS	24	--
88+53	-	91+12	STH 47, LT	259	--
88+53	-	91+12	STH 47, RT	259	--
	91+12		STH 47, CROSS	24	--
	91+22		STH 47, CROSS	24	--
91+22	-	93+57	STH 47, LT	235	--
91+22	-	93+57	STH 47, RT	235	--
92+16	-	92+41	DRIVEWAY, RT	25	--
	93+57		STH 47, CROSS	24	--
	93+67		STH 47, CROSS	24	--
93+67	-	94+15	STH 47, LT	48	--
93+67	-	94+15	STH 47, RT	48	--
	94+15		STH 47, CROSS	24	--
	94+25		STH 47, CROSS	24	--
94+25	-	97+15	STH 47, LT	290	--
94+25	-	97+15	STH 47, RT	290	--
94+95	-	95+20	DRIVEWAY, RT	25	--
	97+15		STH 47, CROSS	24	--
	97+25		STH 47, CROSS	24	--
97+25	-	100+11	STH 47, LT	286	--
97+25	-	100+11	STH 47, RT	286	--
	100+11		STH 47, CROSS	24	--
	100+21		STH 47, CROSS	24	--
100+21	-	103+43	STH 47, LT	322	--
100+21	-	103+43	STH 47, RT	322	--
101+51	-	101+72	DRIVEWAY, LT	21	--
10B+98	-	11B+37	SCHOOL ENTRANCE	130	--
12B+40	-	14B+38	WARRINGTON RD	432	--
	103+22		CONCRETE SIDEWALK RT	--	5
	103+43		STH 47, CROSS	24	--
	103+53		STH 47, CROSS	24	--
103+53	-	105+45	STH 47, LT	192	--
	SUBTOTAL			**5,428**	**19**

SAWING PAVEMENT (CONT.)

STATION		STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
103+53	-	105+45	STH 47, RT	192	--
	105+45		STH 47, CROSS	13	--
	105+55		STH 47, COSS	13	--
105+55	-	107+95	STH 47, LT	240	--
105+55	-	107+95	STH 47, RT	240	--
106+66	-	107+13	DRIVEWAY, RT	47	--
	107+95		STH 47, CROSS	13	--
	108+05		STH 47, CROSS	13	--
108+05	-	109+80	STH 47, LT	175	--
108+05	-	109+80	STH 47, RT	175	--
	109+80		STH 47, CROSS	13	--
	109+90		STH 47, CROSS	24	--
109+90	-	113+06	STH 47, LT	316	--
109+90	-	113+06	STH 47, RT	316	--
110+53	-	110+86	DRIVEWAY, RT	33	--
111+21	-	111+43	DRIVEWAY, RT	22	--
10C+55	-	10C+88	CHIEF LITTLE WAVE RD	110	--
	113+06		STH 47, CROSS	24	--
	113+16		STH 47, CROSS	24	--
113+16	-	116+45	STH 47, LT	329	--
113+16	-	116+45	STH 47, RT	329	--
116+20	-	116+36	DRIVEWAY, RT	--	16
	116+45		STH 47, CROSS	24	--
	116+55		STH 47, CROSS	24	--
116+55	-	121+00	STH 47, RT	445	--
116+55	-	125+50	STH 47, LT	895	--
	9D+00		MORRIN ST, CROSS	23	--
9D+07	-	9D+78	MORRIN ST	195	--
9D+09	-	9D+29	DRIVEWAY, LT	20	--
	121+00		CONCRETE CURB AND GUTTER	--	2
	121+00		CONCRETE SIDEWALK	--	5
	125+50		STH 47, CROSS	27	--
	125+60		STH 47, CROSS	34	--
125+60	-	127+95	STH 47, CROSS	235	--
	1E+70		CHIEF CARRON ST, CROSS	34	--
126+85	-	127+95	STH 47, RT	112	--
	127+95		STH 47, CROSS	24	--
	128+05		STH 47, CROSS	24	--
128+05	-	10F+96	STH 47, RT / WOLF CT, RT	258	--
128+05	-	132+75	STH 47, LT	470	--
128+53	-	128+75	STH 47, RT	22	--
129+27	-	129+44	STH 47, LT	17	--
	10F+49		CONCRETE SIDEWALK, LT/RT	--	5
	SUBTOTAL			**5,544**	**28**

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SAWING PAVEMENT (CONT.)

STATION		STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
	10F+96		WOLF CT, CROSS	26	--
10F+96	-	132+00	STH 47, RT	287	--
	9G+19		BROOKS LN, CROSS	23	--
9G+19	-	9G+58	BROOKS LN	67	--
	10G+54		OUR CHILDRENS RD, CROSS	23	--
10G+64	-	10G+84	OUR CHILDRENS RD	62	--
	10G+84		CONCRETE SIDEWALK, LT	--	5
	10G+84		OUR CHILDRENS RD, CROSS	29	--
132+21	-	132+75	STH 47, LT	54	--
	132+75		STH 47, CROSS	24	--
	132+85		STH 47, CROSS	24	--
132+85	-	136+45	STH 47, LT	360	--
132+85	-	136+45	STH 47, RT	360	--
	136+45		STH 47, CROSS	15	--
	136+55		STH 47, CROSS	24	--
136+55	-	139+61	STH 47, LT	306	--
136+55	-	139+61	STH 47, RT	306	--
	139+61		STH 47, CROSS	24	--
	139+73		STH 47, CROSS	24	--
139+73	-	140+04	STH 47, LT	70	--
139+73	-	140+75	STH 47, RT	102	--
	9H+14		TRIBAL OFFICE LOOP RD (SOUTH), CROSS	24	--
140+24	-	140+75	STH 47, LT	83	--
	140+75		STH 47, CROSS	24	--
	140+85		STH 47, CROSS	24	--
140+85	-	146+00	STH 47, LT	517	--
140+85	-	146+00	STH 47, RT	524	--
144+48	-	144+72	DRIVEWAY, RT	24	--
	144+78		CONCRETE SIDEWALK, LT	--	3
145+47	-	145+77	CONCRETE SIDEWALK, RT	--	30
	146+19		CONCRETE SIDEWALK, LT	--	3
146+24	-	146+42	ASPHALT SIDEWALK, RT	18	--
147+39	-	147+66	DRIVEWAY, RT	27	--
	9I+19		TRIBAL OFFICE LOOP RD (NORTH), CROSS	35	--
149+54	-	149+67	DRIVEWAY, LT	--	13
149+88	-	150+01	DRIVEWAY, LT	--	13
151+56	-	152+07	DRIVEWAY, RT	51	--
152+37	-	154+00	DRIVEWAY, LT	163	--
	11J+34		CTH VV, CROSS	30	--
	155+36		CONCRETE SIDEWALK, RT	--	3
	156+26		CONCRETE SIDEWALK, RT	--	3
	156+60		CONCRETE SIDEWALK, LT	--	5
	8K+91		FAIRGROUNDS RD, CROSS	28	--
	SUBTOTAL			**3,782**	**78**

SAWING PAVEMENT (CONT.)

STATION		STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
	8K+91		CONCRETE CURB AND GUTTER, LT/RT	--	4
157+63	-	163+12	STH 47, LT	566	--
157+63	-	163+28	STH 47, RT	565	--
	158+04		CONCRETE SIDEWALK, RT	--	3
	158+95		CONCRETE SIDEWALK, RT	--	3
	159+63		CONCRETE SIDEWALK, RT	--	3
	161+42		CONCRETE SIDEWALK, RT	--	4
	162+33		CONCRETE SIDEWALK, RT	--	5
163+23	-	163+48	DRIVEWAY, LT	25	--
163+99	-	164+24	DRIVEWAY, LT	25	--
	163+21		STH 47, CROSS	32	--
	163+33		STH 47, CROSS	42	--
163+40	-	11L+30	STH 47, RT	215	--
	11L+30		BLACKSMITH RD, CROSS	16	--
11L+30	-	165+07	BLACKSMITH RD, LT	141	--
163+24	-	165+10	STH 47, LT	186	--
	165+08		STH 47, CROSS	33	--
	165+19		STH 47, CROSS	26	--
165+19	-	167+73	STH 47, LT	254	--
165+19	-	167+93	STH 47, RT	274	--
	9M+05		LYONS RD, CROSS	20	--
9M+05	-	9M+63	LYONS RD, LT	52	--
9M+05	-	9M+74	LYONS RD, RT	89	--
	9M+68		LYONS RD (SOUTH), CROSS	36	--
	167+84		STH 47, CROSS	36	--
	167+97		STH 47, CROSS	36	--
168+06	-	171+41	STH 47, RT	347	--
	10N+37		RABBIT RIDGE, CROSS	29	--
	10N+47		RABBIT RIDGE, CROSS	18	--
10N+47	-	11N+20	RABBIT RIDGE, LT	75	--
10N+47	-	11N+20	RABBIT RIDGE, RT	75	--
167+85	-	175+57	STH 47, LT	772	--
171+70	-	175+57	STH 47, RT	399	--
	175+57		STH 47, CROSS	28	--
	176+14		STH 47, CROSS	30	--
176+18	-	185+20	STH 47, RT	902	--
	178+84		DRIVEWAY, RT	24	--
176+08	-	8O+70	STH 47, LT / LYONS RD (NORTH), RT	547	--
	8O+70		LYONS RD (NORTH), CROSS	21	--
179+85	-	180+06	DRIVEWAY, RT	22	--
9O+23	-	185+20	LYONS RD (NORTH), LT / STH 47, LT	490	--
	185+20		STH 47, CROSS	27	--
	185+30		STH 47, CROSS	27	--
		SUBTOTAL		**6,502**	**22**

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SAWING PAVEMENT (CONT.)

STATION		STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
185+30	-	188+79	STH 47, RT	349	--
185+30	-	188+76	STH 47, LT	346	--
	188+77		STH 47, CROSS	27	--
	187+87		STH 47, CROSS	27	--
188+89	-	189+62	STH 47, RT	73	--
188+86	-	189+42	STH 47, LT	56	--
	189+53		STH 47, CROSS	35	--
	189+92		STH 47, CROSS	41	--
190+05	-	191+18	STH 47, RT	113	--
189+75	-	191+06	STH 47, LT	136	--
	191+15		STH 47, CROSS	29	--
	191+26		STH 47, CROSS	29	--
191+29	-	195+24	STH 47, RT	395	--
192+20	-	192+62	DRIVEWAY, LT	42	--
193+90	-	194+66	DRIVEWAY, LT	81	--
191+21	-	195+49	STH 47, LT	428	--
	195+48		STH 47, CROSS	38	--
	195+58		STH 47, CROSS	38	--
195+59	-	195+86	STH 47, LT	28	--
196+66	-	197+12	COURTHOUSE LN, CROSS	46	--
197+93	-	200+21	STH 47, RT	228	--
197+77	-	200+20	STH 47, LT	243	--
	200+20		STH 47, CROSS	29	--
	200+52		STH 47, CROSS	29	--
200+52	-	207+68	STH 47, LT	724	--
200+53	-	205+92	STH 47, RT	537	--
208+54	-	208+82	COURTHOUSE LN, CROSS	32	--
208+76	-	209+21	STH 55, CROSS	44	--
210+36	-	212+12	STH 47, RT	177	--
215+66	-	219+06	STH 47, LT	343	--
215+80	-	219+57	STH 47, RT	380	--
	12R+00		CTH VV (NORTH), CROSS	26	--
	13N+68		OSHKOSH RD	24	--
	221+50		STH 47, CROSS	33	--
	SUBTOTAL			**5,206**	**--**
TOTALS				**26,462**	**147**

EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

STATION	-	STATION	LOCATION	205.0501.S TON	REMARKS
152+75	-	153+40	LT	460	EBS LOCATION
153+54	-	153+95	RT	520	CULVERT REPLACEMENT
TOTALS				**980**	

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REMOVING PAVEMENT

STAGE	STATION	-	STATION	204.0100 REMOVING PAVEMENT SY
2	106+60	-	106+73	17
	111+17	-	111+46	16
	116+17	-	116+40	26
	121+18	-	121+38	9
	122+17	-	122+39	11
	122+89	-	123+12	11
	124+64	-	124+84	9
	149+52	-	149+67	10
	149+89	-	150+00	13
	STAGE 2 SUBTOTAL			122
3	212+12	-	212+49	105
	215+25	-	215+67	124
	STAGE 3 SUBTOTAL			229
TOTAL				**351**

REMOVING ASPHALTIC SURFACE MILLING

STAGE	STATION	-	STATION	LOCATION	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
2	82+45	-	146+00	STH 47 LT, 2.5" DEPTH	7,900
				STAGE 2 SUBTOTAL	7,900
3	82+45	-	146+00	STH 47 RT, 2.5" DEPTH	10,200
				STAGE 3 SUBTOTAL	10,200
4	158+00	-	221+50	STH 47 RT, 2.5" DEPTH	10,700
				STAGE 4 SUBTOTAL	10,700
5	158+00	-	221+50	STH 47 LT, 2.5" DEPTH	9,300
				STAGE 5 SUBTOTAL	9,300
TOTAL					**38,100**

REMOVING CURB & GUTTER

STAGE	STATION	-	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF
1	154+03	-	154+36	STH 47, RT	44
				STAGE 1 SUBTOTAL	44
2	9+00	-	9+32	MORRIN ST, LT/RT	66
	131+48	-	131+83	BROOKS LN SW RADIUS, STH 47, LT	73
	132+05	-	132+81	BROOKS LN NW RADIUS, STH 47, LT	102
	9+20	-	9+66	N TRIBAL OFFICE LOOP RD, LT	51
				STAGE 2 SUBTOTAL	292
3	12+19	-	14+38	WARRINGTON RD, RT	218
	12+28	-	14+38	WARRINGTON RD, LT	210
	109+79	-	111+69	STH 47, RT	190
	112+66	-	121+00	STH 47, RT	834
	121+46	-	121+55	STH 47, RT	9
	125+53	-	125+62	STH 47, RT	9
	132+19	-	135+77	OUR CHILDRENS RD NE RADIUS, STH 47, RT	408
	145+47	-	145+86	STH 47, RT	39
				STAGE 3 SUBTOTAL	1,917
4	178+66	-	179+00	STH 47, RT (P. LOT ENTRANCE)	36
	179+80	-	180+13	STH 47, RT (P. LOT ENTRANCE)	34
	193+59	-	197+93	STH 47, RT	434
		208+57		STH 55 NE RADIUS, STH 47, RT	13
		209+36		STH 55 NW RADIUS, STH 47, RT	17
				STAGE 4 SUBTOTAL	534
5	156+26	-	156+81	FAIRGROUNDS RD SE RADIUS, STH 47, LT	113
	157+08	-	157+61	FAIRGROUNDS RD SW RADIUS, STH 47, LT	112
				STAGE 5 SUBTOTAL	225
TOTAL					**3,050**

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REMOVING CONCRETE SIDEWALK

STAGE	STATION	-	STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY
1	151+75	-	155+50	STH 47, RT	60
				STAGE 1 SUBTOTAL	60
3	82+87	-	102+80	STH 47, RT	1,200
	103+12	-	110+53	STH 47, RT	360
	110+86	-	111+94	STH 47, RT	50
	112+43	-	121+00	STH 47, RT	400
	126+85	-	128+54	STH 47, RT	100
	128+78	-	130+71	STH 47, RT	150
	132+39	-	151+75	STH 47, RT	1,000
				STAGE 3 SUBTOTAL	3,260
4	155+50	-	163+38	STH 47, RT	450
				STAGE 4 SUBTOTAL	450
TOTAL					**3,770**

REMOVING GUARDRAIL

STAGE	STATION	-	STATION	OFFSET	204.0165 REMOVING GUARDRAIL LF
1	154+13	-	154+27	LT	13
	201+97	-	205+15	LT	322
	211+78	-	212+52	RT	74
	215+35	-	216+08	LT	73
	215+47	-	216+18	RT	71
TOTAL					**555**

REMOVING SURFACE DRAINS

STATION	LOCATION	204.0190 REMOVING SURFACE DRAINS EACH	COMMENTS
215+40	17' LT	1	SW CORNER
215+62	18' RT	1	NW CORNER
TOTAL		**2**	

REMOVING INLETS

STATION	LOCATION	204.0220 REMOVING SURFACE DRAINS EACH	COMMENTS
102+58	27' RT	1	SE CORNER WARRINGTON RD
103+17	49' RT	1	NE CORNER WARRINGTON RD
103+24	31' RT	1	NE CORNER WARRINGTON RD
113+12	19' RT	1	STH 47 RT
113+14	26' LT	1	STH 47 LT
123+58	17' RT	1	STH 47 RT
133+14	42' RT	1	STH 47 RT
133+86	35' RT	1	STH 47 RT
133+87	21' RT	1	STH 47 RT
135+72	23' RT	1	STH 47 RT
146+91	48' LT	1	SW CORNER TRIBAL LOOP RD (NORTH)
10+41	23'LT	1	CTH VV LT
TOTAL		**12**	

3

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3

REMOVING STORM SEWER

STATION	LOCATION	SIZE (IN)	204.0245 REMOVING STORM SEWER LF
101+93	STH 47, RT	18	130
102+87	CROSS WARRINGTON RD	18	63
103+20	NE CORNER STH 47/WARRINGTON RD	18	20
113+12	STH 47, RT	18	15
113+13	CROSS STH 47	18	45
125+55	STH 47, CROSS	18	52
133+50	STH 47, RT	15	79
133+87	STH 47, RT	12	14
134+80	STH 47, RT	15	185
135+81	STH 47, RT	15	34
147+24	STH 47, LT	18	64
154+50	CROSS CTH VV	18	45
TOTAL			**616**

FINISHING ROADWAY

PROJECT	213.0100 EACH
9650-17-00	1
TOTAL	**1**

SHAPING SHOULDERS

STAGE	STATION	-	STATION	LOCATION	305.0500 SHAPING SHOULDERS STA
4	198+00	-	220+00	RT	17
5	157+75	-	219+90	LT	54
TOTAL					**54**

3

BASE AGGREGATE DENSE

STAGE	STATION	-	STATION	LOCATION	305.0110 3/4-INCH TON	305.0120 1 1/4-INCH TON	624.0100 WATER MGAL
1	151+75	-	155+50	STH 47/CTH VV	145	1460	16
2	82+46	-	151+75	STH 47 LT	1320	5500	68
3	82+46	-	151+75	STH 47 RT	1215	4630	58
4	155+50	-	221+50	STH 47 RT	1195	2980	42
5	155+50	-	221+50	STH 47 LT	---	1000	10
	UNDISTRIBUTED			STH 47	225	780	16
TOTALS					**4,100**	**16,350**	**210**

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ASPHALT PAVEMENT ITEMS

STAGE	STATION	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
1	151+95 RT	11
	152+91 RT	8
	153+20 LT	31
STAGE 1 SUBTOTAL		50
2	101+61 LT	6
	127+88 LT	5
	128+15 LT	6
	129+35 LT	2
	9+19D LT	3
STAGE 2 SUBTOTAL		22
3	92+28 RT	11
	95+08 RT	10
	106+96 RT	8
	110+70 RT	6
	111+32 RT	4
	128+64 RT	5
	144+60 RT	4
	146+26 RT	2
	147+53 RT	8
STAGE 3 SUBTOTAL		58
4	173+61 RT	4
	174+40 RT	4
	178+93 RT	10
	179+97 RT	9
	204+97 RT	4
STAGE 4 SUBTOTAL		31
5	163+35 LT	9
	164+11 LT	9
	190+35 LT	6
	192+45 LT	10
	194+41 LT	22
	9+25M RT	2
	9+04N LT	3
STAGE 5 SUBTOTAL		61
TOTALS		222

3

ASPHALT PAVEMENT ITEMS

STAGE	STATION	-	STATION	LOCATION	390.0201 BASE PATCHING ASPHALTIC TON	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S (LOWER LAYER) TON	460.5244 HMA PAVEMENT 4 LT 58-34 S (UPPER LAYER) TON
1								
	151+75	-	155+50	STH 47	560	200	280	280
				STAGE 1 SUBTOTALS	560	200	280	280
2/3								
	82+45	-	146+00		1170	1040	--	3050
	146+00	-	151+75		--	260	760	760
				STAGE 2/3 SUBTOTALS	1,170	1,300	760	3,810
4/5								
	155+50	-	157+63		--	140	400	400
	157+63	-	221+50		800	1040	--	3010
				STAGE 4/5 SUBTOTALS	800	1,180	400	3,410
TOTALS					**2,530**	**2,680**	**1,440**	**7,500**

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PERMANENT SIGNING

STAGE	STATION	OFFSET	SIGN NO.	SIGN CODE	SIGN SIZE IN x IN	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
1	153+68	RT	3-23	M1-5A	---	---	---	---	1	---	---	1	CTH VV MOUNTED ON SAME POLE AS M6-6
	153+68	RT	3-23	M6-6	---	---	---	---	1	---	---	1	STRAIGHT/RIGHT ARROW ON SAME POLE AS M1-5A
	154+55	LT	3-24	M50-3	---	---	---	---	1	---	---	1	STH 47, STH 55, CTH VV MOUNTED ON SAME POLE AS M50-3A
	154+55	LT	3-24	M50-3A	---	---	---	---	1	---	---	1	M6-4, M6-4, M6-1 ARROWS MOUNTED ON SAME POLE AS M50-3
	154+76	LT	3-25	M1-5A	---	---	---	---	1	---	---	1	CTH VV MOUNTED ON SAME POLE AS M6-1
	154+76	LT	3-25	M6-1	---	---	---	---	1	---	---	1	LEFT ARROW MOUNTED ON SAME POLE AS M1-5A
	154+80	RT	3-25	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
			STAGE 1 SUBTOTALS			0	0	0	7	0	0	7	
2	83+04	LT	1-1	R1-1		---	---		1	---	---	1	STOP SIGN
	84+46	LT	1-2	W11-2		---	---		1	---	---	1	PEDESTRIAN CROSSING
	87+39	LT	1-3	R2-1		---	---		1	---	---	1	SPEED LIMIT 35 MPH
	101+46	LT	1-6	R1-1		---	---		1	---	---	1	STOP SIGN
	103+45	LT	1-9	W11-2	30"X30"	---	---	6.25		---	---		PEDESTRIAN CROSSING, MOUNTED ON SAME POST AS W16-7L AND R10-25
	103+45	LT	1-9	W11-2	30"X30"	---	---	6.25		---	---		PEDESTRIAN CROSSING, MOUNTED ON SAME POST AS W16-7R AND R10-25
	103+45	LT	1-9	W16-7L	24"X12"	---	---	2.00		---	---		DIAGONAL ARROW, MOUNTED ON SAME POST AS W11-2 AND R10-25
	103+45	LT	1-9	W16-7R	24"X12"	---	---	2.00		---	---		DIAGONAL ARROW, MOUNTED ON SAME POST AS W11-2 AND R10-25
	103+45	LT	1-9	R10-25	9"X12"	---	---	0.75		---	---		PUSH BUTTON TO TURN ON WARNING LIGHTS MOUNTED ON SAME POLE AS W11-2 AND W16-7R
	103+45	LT	1-9	R10-25	9"X12"	---	---	0.75		---	---		PUSH BUTTON TO TURN ON WARNING LIGHTS MOUNTED ON SAME POLE AS W11-2 AND W16-7R
	103+45	LT	1-10	S1-1		---	---	---	1	---	---	1	PEDESTRIAN CROSSING, MOUNTED ON SAME POST AS W16-7L
	103+45	LT	1-10	W16-7L		---	---	---	1	---	---	1	DIAGONAL ARROW, MOUNTED ON SAME POST AS S1-1
	107+22	LT	1-13			---	---	---	1	---	---	1	DEER CROSSING MOUNTED ON SAME POLE AS NEXT MILE
	112+19	LT	2-3	W1-7		---	---	---	1	---	---	1	TWO DIRECTIONAL LARGE ARROW
	114+90	LT	2-6	W14-3		---	---	---	1	---	---	1	NO PASSING ZONE
	117+51	LT	2-7	S4-51		---	---	---	1	---	---	1	SPEED LIMIT 15 MPH WHEN CHILDREN ARE PRESENT MOUNTED ON SAME POLE AS S16-9P
	117+51	LT	2-7	S16-9P		---	---	---	1	---	---	1	AHEAD MOUNTED ON SAME POLEA AS S4-51
	120+12	LT	2-8	S1-1		---	---	---	1	---	---	1	PEDESTRIAN CROSSING, MOUNTED ON SAME POST AS W16-7L
	120+12	LT	2-8	W16-7L		---	---	---	1	---	---	1	DIAGONAL ARROW, MOUNTED ON SAME POST AS S1-1
	120+12	LT	2-8			---	---	---	1	---	---	1	DRUG FREE SCHOOL ZONE MOUNTED ON SAME POLE AS S1-1 AND W16-7L
	120+35	LT	2-10	R1-1		---	---	---	1	---	---	1	STOP SIGN
	124+31	LT	2-12	S1-1		---	---	---	1	---	---	1	PEDESTRIAN CROSSING, MOUNTED ON SAME POST AS W16-9P
	124+31	LT	2-12	W16-9P		---	---	---	1	---	---	1	AHEAD MOUNTED ON SAME POLEA AS S1-1
	126+20	LT	2-14	W1-7		---	---	---	1	---	---	1	TWO DIRECTIONAL LARGE ARROW
	130+82	LT	2-19	R2-1		---	---	---	1	---	---	1	SPEED LIMIT 35 MPH
	131+78	LT	2-21	R1-1		---	---	---	1	---	---	1	STOP SIGN
	133+71	LT	2-24	W11-2		---	---	---		1	1		PEDESTRIAN CROSSING
	134+80	LT	3-1	D1-52		---	---	---	1	---	---	1	DRIVERS LICESNING
	136+31	LT	3-2	W11-2		---	---	---		1	1		PEDESTRIAN CROSSING
	138+02	LT	3-4	W11-8		---	---	---	1	---	---	1	FIRETRUCK CROSSING
	139+85	LT	3-5	R6-1R		---	---	---	1	---	---	1	ONE WAY ARROW (RIGHT) MOUNTED ON SAME POLE AS R1-1 AND R6-1L
	139+85	LT	3-5	R1-1		---	---	---	1	---	---	1	STOP SIGN MOUNTED ON SAME POLE AS R6-2R AND R6-1L
	139+85	LT	3-5	R6-1L		---	---	---	1	---	---	1	ONE WAY ARROW (RIGHT) MOUNTED ON SAME POLE AS R1-1 AND R6-1R
	140+45	LT	3-6	R6-2R		---	---	---	1	---	---	1	ONE WAY ARROW (RIGHT) MOUNTED ON SAME POLE AS R1-1 AND R6-1L
	140+45	LT	3-6	R1-1		---	---	---	1	---	---	1	STOP SIGN MOUNTED ON SAME POLE AS R6-2R AND R6-1L
	140+45	LT	3-6	R6-2L		---	---	---	1	---	---	1	ONE WAY ARROW (RIGHT) MOUNTED ON SAME POLE AS R1-1 AND R6-1R
	144+65	LT	3-10	R7-1D		---	---	---	1	---	---	1	NO PARKING TWO DIRECTIONAL ARROW
	146+48	LT	3-13	R2-1		---	---	---	1	---	---	1	SPEED LIMIT 30 MPH MOUNTED ON SAME POLE AS R7-1D

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PERMANENT SIGNING (CONT.)

STAGE	STATION	OFFSET	SIGN NO.	SIGN CODE	SIGN SIZE IN x IN	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
2	146+48	LT	3-13	R7-1D	---	---	---	---	1	---	---	1	NO PARKING TWO DIRECTIONAL ARROW MOUNTED ON SAME POLE AS R2-1
	146+78	LT	3-14	R6-2R	---	---	---	---	1	---	---	1	ONE WAY ARROW (RIGHT)
	147+48	LT	3-16	R6-2L	---	---	---	---	1	---	---	1	ONE WAY ARROW (LEFT)
	147+51	LT	3-17	R7-1D	---	---	---	---	1	---	---	1	NO PARKING TWO DIRECTIONAL ARROW
	149+00	LT	3-20	R7-1L	---	---	---	---	1	---	---	1	NO PARKING ARROW (LEFT)
	150+99	LT	3-22	M3-1	---	---	---	---	1	---	---	1	SOUTH MOUNTED ON SAME POLE AS M3-1 AND M50-2
	150+99	LT	3-22	M3-1	---	---	---	---	1	---	---	1	SOUTH MOUNTED ON SAME POLE AS M3-1 AND M50-2
	150+99	LT	3-22	M50-2	---	---	---	---	1	---	---	1	STH 47 AND STH 55 MOUNTED ON SAME POLE AS TWO M3-1
			STAGE 2 SUBTOTALS			0	0	18	38	2	2	38	
3	87+53	RT	1-4	S1-1	---	---	---	---	1	---	---	1	PEDESTRIAN CROSSING, MOUNTED ON SAME POST AS W16-9P
	87+53	RT	1-4	W16-9P	---	---	---	---	1	---	---	1	AHEAD MOUNTED ON SAME POLEA AS S1-1
	92+00	RT	1-5	S4-51	---	---	---	---	1	---	---	1	SPEED LIMIT 15 MPH WHEN CHILDREN ARE PRESENT MOUNTED ON SAME POLE AS S16-9P
	92+00	RT	1-5	S16-9P	---	---	---	---	1	---	---	1	AHEAD MOUNTED ON SAME POLEA AS S4-51
	102+31	RT	1-7	S1-1	---	---	---	---	1	---	---	1	PEDESTRIAN CROSSING, MOUNTED ON SAME POST AS W16-7L
	102+31	RT	1-7	W16-7L	---	---	---	---	1	---	---	1	DIAGONAL ARROW, MOUNTED ON SAME POST AS S1-1
	102+31	RT	1-7	W14-3	---	---	---	---	1	---	---	1	NO PASSING ZONE
	103+18	RT	1-8	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	103+44	RT	1-11	W11-2	30"X30"	---	---	6.25	---	---	---	---	PEDESTRIAN CROSSING, MOUNTED ON SAME POST AS W16-7L AND R10-25
	103+44	RT	1-11	W11-2	30"X30"	---	---	6.25	---	---	---	---	PEDESTRIAN CROSSING, MOUNTED ON SAME POST AS W16-7R AND R10-25
	103+44	RT	1-11	W16-7L	24"X12"	---	---	2.00	---	---	---	---	DIAGONAL ARROW, MOUNTED ON SAME POST AS W11-2 AND R10-25
	103+44	RT	1-11	W16-7R	24"X12"	---	---	2.00	---	---	---	---	DIAGONAL ARROW, MOUNTED ON SAME POST AS W11-2 AND R10-25
	103+44	RT	1-11	R10-25	9"X12"	---	---	0.75	---	---	---	---	PUSH BUTTON TO TURN ON WARNING LIGHTS MOUNTED ON SAME POLE AS W11-2 AND W16-7L
	103+44	RT	1-11	R10-25	9"X12"	---	---	0.75	---	---	---	---	PUSH BUTTON TO TURN ON WARNING LIGHTS MOUNTED ON SAME POLE AS W11-2 AND W16-7R
	106+54	RT	1-12	D52-53L	---	---	---	---	1	---	---	1	ENTRANCE (DIAGONAL ARROW)
	106+54	RT	1-12	D52-53R	---	---	---	---	1	---	---	1	ENTRANCE (DIAGONAL ARROW)
	108+54	RT	1-14	S1-1	---	---	---	---	1	---	---	1	PEDESTRIAN CROSSING, MOUNTED ON SAME POST AS W16-9P
	108+54	RT	1-14	W16-9P	---	---	---	---	1	---	---	1	AHEAD MOUNTED ON SAME POLE AS S1-1
	110+89	RT	2-1	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	112+52	RT	2-4	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	119+98	RT	2-9	S1-1	---	---	---	---	1	---	---	1	PEDESTRIAN CROSSING, MOUNTED ON SAME POST AS W16-7L
	119+98	RT	2-9	W16-7L	---	---	---	---	1	---	---	1	DIAGONAL ARROW, MOUNTED ON SAME POST AS S1-1
	123+36	RT	2-11	W11-8	---	---	---	---	1	---	---	1	FIRETRUCK CROSSING
	125+30	RT	2-13	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 35 MPH
	126+59	RT	2-15	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	129+16	RT	2-16	D1-52	---	---	---	---	1	---	---	1	DRIVERS LICENSING
	129+85	RT	2-17	W14-1	---	---	---	---	1	---	---	1	DEAD END
	130+25	RT	2-18	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	131+09	RT	2-20	S1-1	---	---	---	---	---	1	1	---	PEDESTRIAN CROSSING
	132+34	RT	2-22	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	133+24	RT	2-23	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 30 MPH
	136+47	RT	3-3	S1-1	---	---	---	---	---	1	1	---	PEDESTRIAN CROSSING
	141+82	RT	3-7	W2-2	---	---	---	---	1	---	---	1	SIDE ROAD LEFT AHEAD
	142+76	RT	3-8	W1-2L	---	---	---	---	1	---	---	1	CURVE LEFT AHEAD
	143+69	RT	3-9	R7-1L	---	---	---	---	1	---	---	1	NO PARKING ARROW (LEFT)
	146+12	RT	3-12	R7-1D	---	---	---	---	1	---	---	1	NO PARKING ARROW (TWO DIRECTIONAL)
	147+26	RT	3-15	W11-2	---	---	---	---	1	---	---	1	PEDESTRIAN CROSSING
	148+06	RT	3-18	W1-6	---	---	---	---	1	---	---	1	ONE DIRECTION LARGE ARROW
	148+06	RT	3-18	R7-1R	---	---	---	---	1	---	---	1	NO PARKING ARROW (RIGHT) MOUNTED ON SAME POLE AS R2-1
	148+91	RT	3-19	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 30 MPH MOUNTED ON SAME POLE AS R7-1R
	149+81	RT	3-21	M2-1	---	---	---	---	1	---	---	1	JCT MOUNTED ON SAME POLE AS M1-5A
	149+81	RT	3-21	M1-5A	---	---	---	---	1	---	---	1	CTH VV MOUNTED ON SAME POLE AS M2-1
	151+44	RT	3-23	D1-60	---	---	---	---	1	---	---	1	UNDERHILL W/ ARROW (RIGHT)
			STAGE 3 SUBTOTALS			0	0	18	35	2	2	35	

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

ALL ITEMS ARE PROJECT ID **9650-17-70** UNLESS OTHERWISE SPECIFIED.

PERMANENT SIGNING (CONT.)

STAGE	STATION	OFFSET	SIGN NO.	SIGN CODE	SIGN SIZE IN x IN	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
4	156+65	RT	3-30	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 35 MPH
	158+56	RT	3-31	M3-1	---	---	---	---	1	---	---	1	NORTH MOUNTED ON SAME POLE AS M3-1 AND M50-1
	158+56	RT	3-31	M3-1	---	---	---	---	1	---	---	1	NORTH MOUNTED ON SAME POLE AS M3-1 AND M50-1
	158+56	RT	3-31	M50-2	---	---	---	---	1	---	---	1	STH 47 AND STH 55 MOUNTED ON SAME POLE AS TWO M3-1
	166+06	RT	4-3	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 45 MPH
	171+90	RT	4-7	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	173+03	RT	4-8	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 45 MPH
	178+68	RT	4-10	R6-1R	---	---	---	---	1	---	---	1	ONE WAY ARROW (RIGHT) MOUNTED ON SAME POLE AS R5-1
	178+68	RT	4-10	R5-1	---	---	---	---	1	---	---	1	DO NOT ENTER MOUNTED ON SAME POLE AS R6-1R
	178+99	RT	4-11	R6-1L	---	---	---	---	1	---	---	1	ONE WAY ARROW (LEFT) MOUNTED ON SAME POLE AS R5-1
	178+99	RT	4-11	R5-1	---	---	---	---	1	---	---	1	DO NOT ENTER MOUNTED ON SAME POLE AS R6-1L
	179+80	RT	4-12	R6-1L	---	---	---	---	1	---	---	1	ONE WAY ARROW (LEFT) MOUNTED ON SAME POLE AS R5-1
	179+80	RT	4-12	R5-1	---	---	---	---	1	---	---	1	DO NOT ENTER MOUNTED ON SAME POLE AS R6-1L
	180+10	RT	4-13	R6-1R	---	---	---	---	1	---	---	1	ONE WAY ARROW (RIGHT) MOUNTED ON SAME POLE AS R5-1
	180+10	RT	4-13	R5-1	---	---	---	---	1	---	---	1	DO NOT ENTER MOUNTED ON SAME POLE AS R6-1R
	181+80	RT	4-15	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 45 MPH MOUNTED ON SAME POLE AS R7-1D
	181+80	RT	4-15	R7-1D	---	---	---	---	1	---	---	1	NO PARKING ARROW (TWO DIRECTIONAL) MOUNTED ON SAME POLE AS R2-1
	184+77	RT	4-18	R7-1D	---	---	---	---	1	---	---	1	NO PARKING ARROW (TWO DIRECTIONAL)
	186+30	RT	4-20	R7-1D	---	---	---	---	1	---	---	1	NO PARKING ARROW (TWO DIRECTIONAL)
	187+97	RT	4-22	R7-1D	---	---	---	---	1	---	---	1	NO PARKING ARROW (TWO DIRECTIONAL)
	193+87	RT	5-2	D1-60	---	---	---	---	1	---	---	1	MENOMINEE COURT HOUSE W/ ARROW
	193+87	RT	5-2	D1-60	---	---	---	---	1	---	---	1	TRIBAL CLINIC W/ ARROW
	193+87	RT	5-2		---	---	---	---	1	---	---	1	POST OFFICE
	198+00	RT	5-5	R3-17	30"X24"	1	5.00	---	---	---	---	---	BIKE LANE MOUNTED ON SAME POLE AS 53-17BP
	198+00	RT	5-5	R3-17BP	30"X12"	---	2.50	---	---	---	---	---	ENDS MOUNTED ON SAME POLE AS R3-17
	199+40	RT	5-8	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 55 MPH
	202+50	RT	5-10	M3-1	---	---	---	---	1	---	---	1	NORTH MOUNTED ON SAME POLE AS M3-1, M50-2 AND M50-2A
	202+50	RT	5-10	M3-1	---	---	---	---	1	---	---	1	NORTH MOUNTED ON SAME POLE AS M3-1, M50-2 AND M50-2A
	202+50	RT	5-10	M50-2	---	---	---	---	1	---	---	1	STH 47 AND STH 55 MOUNTED ON SAME POLE AS TWO M3-1 AND M50-2A
	202+50	RT	5-10	M50-2A	---	---	---	---	1	---	---	1	STRAIGTH AND LEFT AHEAD ON SAME POLE AS TWO M3-1 AND M50-2
	204+42	RT	5-11	D1-60A	---	---	---	---	1	---	---	1	NEOPIT, ANTIGO AND CRANDON W/ ARROWS
	207+83	RT	5-15	M3-1	---	---	---	---	1	---	---	1	NORTH MOUNTED ON SAME POLE AS M1-6 AND M6-1
	207+83	RT	5-15	M1-6	---	---	---	---	1	---	---	1	STH 55 MOUNTED ON SAME POLE AS M3-1 AND M6-1
	207+83	RT	5-15	M6-1	---	---	---	---	1	---	---	1	RIGHT ARROW MOUNTED ON SAME POLE AS M3-1 AND M1-6
	209+28	RT	5-17	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	209+55	RT	5-18	M3-1	---	---	---	---	1	---	---	1	SOUTH MOUNTED ON SAME POLE AS TWO M3-1, M50-3 AND M50-3A
	209+55	RT	5-18	M3-1	---	---	---	---	1	---	---	1	SOUTH MOUNTED ON SAME POLE AS TWO M3-1, M50-3 AND M50-3A
	209+55	RT	5-18	M3-1	---	---	---	---	1	---	---	1	NORTH MOUNTED ON SAME POLE AS TWO M3-1, M50-3 AND M50-3A
	209+55	RT	5-18	M50-3	---	---	---	---	1	---	---	1	STH 47, STH 55, AND STH 47 MOUNTED ON SAME POLE AS THREE M3-1 AND M50-3A
	209+55	RT	5-18	M50-3A	---	---	---	---	1	---	---	1	TWO LEFT ARROWS AND RIGHT ARROW MOUNTED ON SAME POLE AS THREE M 3-1 AND M50-3
	211+03	RT	5-20	M3-1	---	---	---	---	1	---	---	1	NORTH MOUNTED ON SAME POLE AS M1-6 AND M6-1
	211+03	RT	5-20	M1-6	---	---	---	---	1	---	---	1	STH 47 MOUNTED ON SAME POLE AS M3-1
	211+98	RT	5-22	I3-1	---	---	---	---	1	---	---	1	WOLF RIVER
	216+50	RT	5-24	M1-5A	---	---	---	---	1	---	---	1	CTH VV MOUNTED ON SAME POLE AS M5-1L, I55-56 AND W14-3
	216+50	RT	5-24	M5-1L	---	---	---	---	1	---	---	1	LEFT AHEAD ARROW MOUNTED ON SAME POLE AS M1-5A, I55-56 AND W14-3
	216+50	RT	5-24	I55-56	---	---	---	---	1	---	---	1	ADOPT A HIGHWAY MOUNTED ON SAME POLE AS M1-5A, M5-1L AND W14-3
	216+50	RT	5-25	W14-3	---	---	---	---	1	---	---	1	NO PASSING ZONE MOUNTED ON SAME POLE AS M1-5A, M5-1L AND I55-56
	219+73	RT	5-29	M50-2	---	---	---	---	1	---	---	1	CTH VV AND WISCONSIN HERITAGE MOUNTED ON SAME POLE AS M6-1 AND MENOMINEE NATION
	219+73	RT	5-29	M6-1	---	---	---	---	1	---	---	1	LEFT ARROW MOUNTED ON SAME POLE AS M50-2 AND MENOMINEE NATION
	219+73	RT	5-29		---	---	---	---	1	---	---	1	MENOMINEE NATION MOUNTED ON SAME POLE AS M50-2 AND M6-1
	220+68	RT	5-32	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	STAGE 4 SUBTOTALS					1	8	0	49	0	0	49	

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PERMANENT SIGNING (CONT.)

STAGE	STATION	OFFSET	SIGN NO.	SIGN CODE	SIGN SIZE IN x IN	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS
5	156+19	LT	3-28	W11-2	---	---	---	---	1	---	---	1	PEDESTRIAN CROSSING
	156+54	LT	3-29	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	158+76	LT	3-32	D1-60	---	---	---	---	1	---	---	1	UNDERHILL W/ ARROW MOUNTED ON SAME POLE AS CLICK-IT-OR-TICKET
	158+76	LT	3-32		---	---	---	---	1	---	---	1	CLICK-IT-OR-TICKET MOUNTED ON SAME POLE AS D1-60
	160+69	LT	3-33	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 30 MPH
	162+44	LT	4-1	M1-5A	---	---	---	---	1	---	---	1	CTH VV MOUNTED ON SAME POLE AS M5-1L
	162+44	LT	4-1	M5-1L	---	---	---	---	1	---	---	1	LEFT AHEAD ARROW MOUNTED ON SAME POLE AS M1-5A
	166+53	LT	4-4	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	168+21	LT	4-5	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 30 MPH
	171+22	LT	4-6	W3-5	---	---	---	---	1	---	---	1	REDUCE SPEED TO 30 MPH AHEAD
	174+98	LT	4-9	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 45 MPH
	180+20	LT	4-14	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	182+67	LT	4-16	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 45 MPH MOUNTED ON SAME POLE AS R7-1D
	182+67	LT	4-16	R7-1D	---	---	---	---	1	---	---	1	NO PARKING ARROW (TWO DIRECTIONAL) MOUNTED ON SAME POLE AS R2-1
	184+52	LT	4-17	R7-1D	---	---	---	---	1	---	---	1	NO PARKING ARROW (TWO DIRECTIONAL)
	186+25	LT	4-19		---	---	---	---	1	---	---	1	NO PARKING ON ALL VILLAGE STREETS
	188+02	LT	4-21	R7-1L	---	---	---	---	1	---	---	1	NO PARKING ARROW (LEFT)
	190+93	LT	4-23	I2-3A	---	---	---	---	1	---	---	1	KESHENA UNINCORPORATED
	192+06	LT	5-1	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 45 MPH
	195+02	LT	5-3	D1-60	---	---	---	---	1	---	---	1	SHAWANO 8
	196+52	LT	5-4	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	198+47	LT	5-6	R2-1	---	---	---	---	1	---	---	1	SPEED LIMIT 45 MPH
	199+46	LT	5-7	R3-17	30"X24"	1	5.00	---	---	---	---	---	BIKE LANE MOUNTED ON SAME POLE AS R3-17AP
	199+46	LT	5-7	R3-17AP	30"X12"	---	2.50	---	---	---	---	---	ENDS MOUNTED ON SAME POLE AS R3-17
	201+46	LT	5-9	D1-60	---	---	---	---	1	---	---	1	MENOMINEE COURT HOUSE/TRIBAL CLINIC W/ ARROW
	205+10	LT	5-12	R2-1	---	---	---	---	1	---	---	1	SPEED LINIT 45 MPH
	206+34	LT	5-13	I55-56	---	---	---	---	1	---	---	1	ADOPT A HIGHWAY
	207+69	LT	5-14	M3-1	---	---	---	---	1	---	---	1	SOUTH MOUNTED ON THE SAME POLE AS M3-1 AND M50-2
	207+69	LT	5-14	M3-1	---	---	---	---	1	---	---	1	SOUTH MOUNTED ON THE SAME POLE AS M3-1 AND M50-3
	207+69	LT	5-14	M50-2	---	---	---	---	1	---	---	1	STH 55 AND STH 47 MOUNTED ON SAME POLE AS TWO M3-1
	208+53	LT	5-16	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	209+01	LT	5-16	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	209+69	LT	5-19	M3-1	---	---	---	---	1	---	---	1	NOTH MOUNTED ON THE SAME POLE AS M1-6 AND M6-1
	209+69	LT	5-19	M1-6	---	---	---	---	1	---	---	1	STH 55 MOUNTED ON THE SAME POLE AS M3-1 AND M6-1
	209+69	LT	5-19	M6-1	---	---	---	---	1	---	---	1	LEFT ARROW MOUNTED ON THE SAME POLE AS M3-1 AND M1-6
	212+03	LT	5-21	D1-60	---	---	---	---	1	---	---	1	SHAWANO AND CRANDON W/ ARROWS
	215+67	LT	5-23	I3-1	---	---	---	---	1	---	---	1	WOLF RIVER
	218+85	LT	5-28	M2-1	---	---	---	---	1	---	---	1	JCT MOUNTED ON THE SAME POLE AS M2-1 AND M1-7
	218+85	LT	5-28	M1-6	---	---	---	---	1	---	---	1	STH 55 MOUNTED ON THE SAME POLE AS M6-4 AND M1-6
	219+81	LT	5-30	M50-2	---	---	---	---	1	---	---	1	STH 47 AND CTH VV MOUNTED ON THE SAME POLE AS M50-2A
	219+81	LT	5-30	M50-2A	---	---	---	---	1	---	---	1	TWO DIRECTIONAL AND RIGHT ARROWS MOUNTED ON THE SAME POLE AS M50-3
	220+06	LT	5-31	R1-1	---	---	---	---	1	---	---	1	STOP SIGN
	221+47	LT	5-33	M1-5A	---	---	---	---	1	---	---	1	CTH VV MOUNTED ON SAME POLE AS M6-6
	221+47	LT	5-33	M6-6	---	---	---	---	1	---	---	1	STRAIGHT AND RIGHT ARROW MOUNTED ON THE SAME POLE AS M1-5A
			STAGE 5 SUBTOTALS			1	8	0	42	0	0	42	
UNDISTRIBUTED						17	---	---	---	---	---	---	
TOTALS						19	15	36	171	4	4	171	

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3

TRAFFIC CONTROL

PROJECT	643.5000 TRAFFIC CONTROL 9650-17-00 EACH	643.2000 TRAFFIC CONTROL DETOUR 9650-17-00 EACH
9650-17-00	1	1
TOTALS	1	1

TRAFFIC CONTROL COVERING SIGNS

SIGN DETAIL NUMBER	PLAN SHEET	SIGN COVERED	NO. OF COVERING CYCLES	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH
MO5-1L	DETOUR - TRUCK	AHEAD RIGHT ARROW	1	1
MO6-1	DETOUR - TRUCK	RIGHT ARROW	1	1
MO6-1	DETOUR - TRUCK	LEFT ARROW	1	1
MO6-1	DETOUR - TRUCK	LEFT ARROW	1	1
TOTALS				**4**

3

TRAFFIC CONTROL

LOCATION	DAYS IN SERVICE	603.8000 CONCRETE BARRIER TEMPORARY PRECAST DELIVERED LF	603.8125 CONCRETE BARRIER TEMPORARY PRECAST INSTALLED LF	643.0300 TRAFFIC CONTROL DRUMS NO.	DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III NO.	DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C NO.	DAY	643.0900 TRAFFIC CONTROL SIGNS NO.	DAY	643.3000 TRAFFIC CONTROL DETOUR SIGNS NO.	DAY	661.0100 TEMPORARY TRAFFIC SIGNALS FOR BRIDGES (STRUCTURES) LS
STAGE 1	12	960	2,117	43	12	15	12	25	12	49	12	296	12	5
STAGE 1 TOTALS		960	2,117		516		180		300		588		3,552	5
STAGE 2B	31	--	--	317	31	31	31	11	31	110	31	296	31	---
STAGE 2 TOTALS		--	--		9,827		961		341		3,410		9,176	
STAGE 3	25	--	--	299	25	48	25	7	25	96	25	296	25	---
STAGE 3 TOTALS		--	--		7,475		1,200		175		2,400		7,400	
STAGE 4	22	--	--	158	22	--	22	22	22	4	22	296	22	4
STAGE 4 TOTALS		--	--		3,476				484		88		6,512	4
STAGE 5	15	--	--	158	15	--	15	22	15	4	15	296	15	4
STAGE 5 TOTALS		--	--		15				330		60		4,440	4
TOTALS		**960**	**2,117**		**21,309**		**2,341**		**1,630**		**6,546**		**31,080**	**13**

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PAVEMENT MARKING ITEMS

STATION	-	STATION	TYPE	646.1020 MARKING LINE EPOXY 4-INCH WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH YELLOW LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE LF	646.7520 MARKING CROSSWALK EPOXY LADDER PATTERN 24-INCH WHITE LF
82+45	-	95+17	EDGELINE, CENTERLINE (DOUBLE SOLID)	2,550	2,550	---	---	---	---
82+86	-	82+92	STH 47 CROSSWALK	---	---	---	---	---	48
83+00	-	83+57	DODGE RD CROSSWALK	---	---	---	---	154	---
83+11	-	83+29	DODGE RD STOP BAR	---	---	---	18	---	---
95+17	-	102+20	EDGELINE, CENTERLINE (SOLID & DASHED)	1,410	880	---	---	---	---
102+20	-	102+26	STH 47 CROSSWALK	---	---	---	---	---	48
102+20	-	114+90	EDGELINE, CENTERLINE (DASHED)	2,540	320	---	---	---	---
102+45	-	103+11	WARRINGTON RD CROSSWALK	---	---	---	---	119	---
102+54	-	103+28	WARRINGTON RD CROSSWALK	---	---	---	---	133	---
102+83	-	103+17	WARRINGTON RD STOP BAR	---	---	---	34	---	---
103+62	-	103+68	STH 47 CROSSWALK	---	---	---	---	---	48
111+87	-	112+61	CHIEF LITTLE WAVE RD CROSSWALK	---	---	---	---	128	---
112+20	-	112+42	CHIEF LITTLE WAVE RD STOP BAR	---	---	---	22	---	---
114+90	-	122+50	EDGELINE, CENTERLINE (SOLID & DASHED)	1,520	950	---	---	---	---
120+04	-	120+10	STH 47 CROSSWALK	---	---	---	---	---	48
120+30	-	120+97	MORRIN ST CROSSWALK	---	---	---	---	119	---
120+42	-	120+64	MORRIN ST STOP BAR	---	---	---	22	---	---
122+50	-	219+80	EDGELINE, CENTERLINE (DOUBLE SOLID)	19,460	19,460	---	---	---	---
125+55	-	125+61	STH 47 CROSSWALK	---	---	---	---	---	48
125+88	-	126+61	CHIEF CARRON ST CROSSWALK	---	---	---	---	134	---
126+24	-	126+48	CHIEF CARRON ST STOP BAR	---	---	---	24	---	---
126+85	-	126+91	STH 47 CROSSWALK	---	---	---	---	---	54
129+72	-	130+35	WOLF CT CROSSWALK	---	---	---	---	117	---
130+04	-	130+25	WOLF CT STOP BAR	---	---	---	23	---	---
131+39	-	131+45	STH 47 CROSSWALK	---	---	---	---	---	48
131+67	-	132+48	BROOKS LN CROSSWALK	---	---	---	---	138	---
131+79	-	132+06	BROOKS LN STOP BAR	---	---	---	27	---	---
131+79	-	132+42	OUR CHILDRENS RD CROSSWALK	---	---	---	---	116	---
132+10	-	132+32	OUR CHILDRENS RD STOP BAR	---	---	---	22	---	---
132+76	-	132+82	STH 47 CROSSWALK	---	---	---	---	---	48
139+98	-	140+30	SOUTH TRIBAL OFFICE LOOP RD CROSSWALK	---	---	---	---	64	---
140+00	-	140+14	SOUTH TRIBAL OFFICE LOOP RD STOP BAR	---	---	---	14	---	---
146+75	-	147+51	NORTH TRIBAL OFFICE LOOP RD CROSSWALK	---	---	---	---	128	---
146+85	-	147+12	NORTH TRIBAL OFFICE LOOP RD STOP BAR	---	---	---	25	---	---
154+02	-	154+84	CTH VV CROSSWALK	---	---	---	---	148	---
154+43	-	154+73	CTH VV STOP BAR	---	---	---	29	---	---
156+48	-	157+35	FAIRGROUNDS RD CROSSWALK	---	---	---	---	157	---
156+60	-	156+86	FAIRGROUNDS RD STOP BAR	---	---	---	26	---	---
164+38	-	165+06	BLACKSMITH RD CROSSWALK	---	---	---	---	125	---
164+71	-	164+96	BLACKSMITH RD STOP BAR	---	---	---	25	---	---

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ALL ITEMS ARE PROJECT ID **9650-17-70** UNLESS OTHERWISE SPECIFIED.

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PAVEMENT MARKING ITEMS (CONT.)

				646.1020 MARKING LINE EPOXY 4-INCH WHITE	646.1020 MARKING LINE EPOXY 4-INCH YELLOW	646.3020 MARKING LINE EPOXY 8-INCH WHITE	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE	646.7520 MARKING CROSSWALK EPOXY LADDER PATTERN 24-INCH WHITE
171+20	-	171+91	RABBIT RIDGE RD CROSSWALK	---	---	---	---	125	---
171+55	-	171+79	RABBIT RIDGE RD STOP BAR	---	---	---	24	---	---
195+32	-	198+72	EDGELINE, CENTERLINE (DASHED)	0	90	---	---	---	---
206+11	-	208+11	STH 47, TURN LANE, RT	---	---	199	---	---	---
208+51	-	209+31	STH 55, CROSSWALK	---	---	---	---	158	---
	-		CENTERLINE (SOLID)	80	400	---	---	---	---
TOTALS				**28,206**	**25,296**	**845**	**982**	**2,710**	**1,037**

GUARDRAIL

STATION	-	STATION	OFFSET	614.0200 STEEL THRIE BEAM STRUCTURE APPROACH LF	614.0305 STEEL PLATE CLASS A LF	614.2300 MGS GUARDRAIL 3 LF	614.2500 MGS THRIE BEAM TRANSITION LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	COMMENTS
201+34	-	206+03	LT			367.2		2	
208+97	-	212+16	LT	20.65	310				CONNECTS TO EXISTING BEAM GURAD AND BRIDGE PARAPET
210+84	-	212+52	RT			78.1	39.4	1	CONNECTS TO BRIDGE PARAPET
215+35	-	217+02	LT			75.0	39.4	1	CONNECTS TO BRIDGE PARAPET
215+45	-	216+75	RT			37.2	39.4	1	CONNECTS TO BRIDGE PARAPET
TOTALS				**20.65**	**310**	**558**	**118.2**	**5**	

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PAVEMENT MARKING ITEMS

STATION	RT/LT	LOCATION	646.5020 MARKING ARROWS BIKE LANE EPOXY WHITE EACH	646.5220 MARKING SYMBOLS EPOXY WHITE EACH
82+53	LT	STH 47, SB	1	--
82+64	LT	STH 47, SB	--	1
83+80	RT	STH 47, NB	--	1
83+92	RT	STH 47, NB	1	--
101+95	LT	STH 47, SB	1	--
102+07	LT	STH 47, SB	--	1
103+65	RT	STH 47, NB	--	1
103+78	RT	STH 47, NB	1	--
111+39	LT	STH 47, SB	1	--
111+51	LT	STH 47, SB	--	1
113+20	RT	STH 47, NB	--	1
113+32	RT	STH 47, NB	1	--
119+78	LT	STH 47, SB	1	--
119+91	LT	STH 47, SB	--	1
121+33	RT	STH 47, NB	--	1
121+45	RT	STH 47, NB	1	--
125+27	LT	STH 47, SB	1	--
125+39	LT	STH 47, SB	--	1
127+04	RT	STH 47, NB	--	1
127+15	RT	STH 47, NB	1	--
131+13	LT	STH 47, SB	1	--
131+25	LT	STH 47, SB	--	1
132+94	RT	STH 47, NB	--	1
133+06	RT	STH 47, NB	1	--
139+37	LT	STH 47, SB	1	--
139+48	LT	STH 47, SB	--	1
140+85	RT	STH 47, NB	--	1
140+97	RT	STH 47, NB	1	--
146+32	LT	STH 47, SB	1	--
146+44	LT	STH 47, SB	--	1
147+88	RT	STH 47, NB	--	1
148+00	RT	STH 47, NB	1	--
155+21	RT	STH 47, NB	--	1
155+33	RT	STH 47, NB	1	--
155+98	LT	STH 47, SB	1	--
	SUBTOTAL		**18**	**17**

PAVEMENT MARKING ITEMS (CONT.)

STATION	RT/LT	LOCATION	646.5020 MARKING ARROWS BIKE LANE EPOXY WHITE EACH	646.5220 MARKING SYMBOLS EPOXY WHITE EACH
156+10	LT	STH 47, SB	--	1
164+80	LT	STH 47, SB	1	--
164+92	LT	STH 47, SB	--	1
165+41	RT	STH 47, NB	--	1
165+53	RT	STH 47, NB	1	--
170+71	LT	STH 47, SB	1	--
170+83	LT	STH 47, SB	--	1
172+27	RT	STH 47, NB	--	1
172+39	RT	STH 47, NB	1	--
179+34	LT	STH 47, SB	1	--
179+46	LT	STH 47, SB	--	1
181+82	RT	STH 47, NB	--	1
181+94	RT	STH 47, NB	1	--
195+61	LT	STH 47, SB	1	--
195+73	LT	STH 47, SB	--	1
197+71	RT	STH 47, NB	--	1
197+83	RT	STH 47, NB	1	--
207+26	LT	STH 47, SB	1	--
207+38	LT	STH 47, SB	--	1
210+39	RT	STH 47, NB	--	1
210+51	RT	STH 47, NB	1	--
218+60	LT	STH 47, SB	1	--
218+72	LT	STH 47, SB	--	1
	SUBTOTAL		**11**	**12**
TOTALS			**29**	**29**

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TEMPORARY PAVEMENT MARKING ITEMS

STAGE	STATION	-	STATION	TYPE	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH WHITE LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH YELLOW LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH WHITE LF	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	646.9000 MARKING REMOVAL LINE 4-INCH LF
1A		150+75		STH 47, STOP BAR	---	---	---	---	---	18	---
	150+75	-	153+29	STH 47, CENTERLINE	--	--	--	--	--	---	508
	151+54	-	151+60	STH 47, CROSSWALK		---	---	---	103	---	---
	153+02	-	155+19	STH 47, EDGELINE, LT	232	---	---	---	---	---	---
	154+03	-	11J+88	STH 47/CTH VV, EDGELINE, RT/LT	201	---	---	---	---	---	---
	154+71	-	156+23	STH 47, CENTERLINE	151	---	---	---	---	---	---
		11J+92		CTH VV (SOUTH), STOP BAR	---	---	---	---	---	24	---
		156+23		STH 47, STOP BAR	---	---	---	---	---	26	---
		209+50		STH 47, STOP BAR	---	---	---	---	---	27	---
	209+52	-	211+35	STH 47, CENTERLINE	---	---	---	---	---	---	182
	210+16	-	218+15	STH 47, EDGELINE, LT	---	---	---	---	---	804	---
	216+92	-	218+76	STH 47, CENTERLINE	---	---	---	---	---	---	185
		218+76		STH 47, STOP BAR	---	---	---	---	---	12	---
				STAGE 1A SUBTOTAL	584		0		103	911	875
1B	152+46	-	10J+63	STH 47/CTH VV, EDGELINE, RT/LT	276	---	---	---	---	---	---
	210+02	-	218+17	STH 47, EDGELINE, RT	818	---	---	---	---	---	---
	218+76	-	225+76	STH 47, CENTERLINE (DOUBLE YELLOW)	---	1,400	---	---	---	---	---
				STAGE 1B SUBTOTAL	2,494		0		0	0	0
1C	151+60	-	155+69	STH 47, EDGELINE, LT	441	---	---	---	---	---	---
	153+03		153+45	STH 47, EDGELINE, LT	50	---	---	---	---	---	---
	153+46	-	10J+90	STH 47/CTH VV, EDGELINE, RT/LT	150	---	---	---	---	---	---
	154+56	-	155+18	STH 47, EDGELINE, LT	69	---	---	---	---	---	---
				STAGE 1C SUBTOTAL	710		0		0	0	0
1D	151+60	-	154+03	STH 47, EDGELINE, RT	256	---	---	---	---	---	---
	10J+53	-	11J+96	CTH VV, EDGELINE, RT	146	---	---	---	---	---	---
				STAGE 1D SUBTOTAL	402		0		0	0	0
1E	11J+80	-	10J+45	CTH VV, EDGELINE, LT	141	---	---	---	---	---	---
	154+98	-	155+72	STH 47, EDGELINE, RT	86	---	---	---	---	---	---
				STAGE 1E SUBTOTAL	227		0		0	0	0
2A	136+33	-	145+36	STH 47, EDGELINE, RT	842	---	---	---	---	---	---
	137+33	-	142+91	STH 47, EDGELINE, RT	560	---	---	---	---	---	---
	147+38	-	147+44	STH 47, CROSSWALK		---	---	---	130	---	---
	138+15	-	141+36	STH 47, EDGELINE, LT	319	---	---	---	---	---	---
				STAGE 2A SUBTOTAL	1,721		0		130	0	0

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TEMPORARY PAVEMENT MARKING ITEMS (CONT.)

STAGE	STATION	-	STATION	TYPE	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH WHITE LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH YELLOW LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH WHITE LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH YELLOW LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH WHITE LF	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	646.9000 MARKING REMOVAL LINE 4-INCH LF
2B	79+67	-	81+50	STH 47, CENTERLINE	---	---	---	---	---	---	183
	79+67	-	82+30	STH 47, EDGELINE, LT	263	---	---	---	---	---	---
	79+67	-	82+12	STH 47, EDGELINE, RT	246	---	---	---	---	---	---
	82+12	-	155+40	STH 47, EDGELINE, RT	---	---	7,328	---	---	---	---
	102+77	-	103+12	WARRINGTON RD, CROSSWALK	---	---	---	---	66	---	---
	102+94	-	103+16	STH 47, CROSSWALK	---	---	---	---	117	---	---
	120+10	-	120+32	STH 47, CROSSWALK	---	---	---	---	105	---	---
				STAGE 2B SUBTOTAL	509		7,328		288	0	183
3	81+12	-	154+00	STH 47, EDGELINE, LT	7,288	---	---	---	---	---	---
	103+10	-	103+13	STH 47, CROSSWALK	---	---	---	---	114	---	---
	120+04	-	120+16	STH 47, CROSSWALK	---	---	---	---	81	---	---
	147+42	-	147+49	STH 47, CROSSWALK	---	---	---	---	113	---	---
				STAGE 3 SUBTOTAL	7,288		0		308	0	0
4A	164+58	-	164+64	STH 47, CROSSWALK	---	---	---	---	140	---	---
		172+06		STH 47, STOP BAR	---	---	---	---	---	19	---
	172+06	-	173+68	STH 47, CENTERLINE	---	---	---	---	---	---	162
	172+96	-	179+53	STH 47, EDGELINE, RT	657	---	---	---	---	---	---
	173+68	-	174+77	STH 47, EDGELINE, LT	110	---	---	---	---	---	---
	177+42	-	178+62	STH 47, EDGELINE, LT	---	---	---	---	---	---	---
	178+62	-	180+43	STH 47, CENTERLINE	---	---	---	---	---	---	181
		180+43		STH 47, STOP BAR	---	---	---	---	---	16	---
	187+95	-	192+00	STH 47, EDGELINE, RT	409	---	---	---	---	---	---
		187+04		STH 47, STOP BAR	---	---	---	---	---	19	---
	188+61	-	191+47	STH 47, EDGELINE, LT	298	---	---	---	---	---	---
		192+90		STH 47, STOP BAR	---	---	---	---	---	19	
		197+55		STH 47, STOP BAR	---	---	---	---	---	25	---
	197+55		203+78	STH 47, CENTERLINE	---	---	---	---	---	---	623
	198+71	-	202+19	STH 47, EDGELINE, LT	350	---	---	---	---	---	---
	198+73	-	201+88	STH 47, EDGELINE, LT	317	---	---	---	---	---	---
	199+24	-	201+49	STH 47, EDGELINE, RT	226	---	---	---	---	---	---
	199+69	-	201+09	STH 47, EDGELINE, RT	140	---	---	---	---	---	---
		203+78		STH 47, STOP BAR	---	---	---	---	---	17	---
				STAGE 4 SUBTOTAL	2,507		0		140	115	966
TOTALS					**16,442**		**7,328**		**969**	**1,026.0**	**2,024.0**

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APRON ENDWALLS

STAGE	STRUCTURE NUMBER	STATION	OFFSET	LOCATION	522.1012 APRON ENDWALLS FOR CULVERT PIPE RC 12-IN EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE RC 15-IN EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE RC 18-IN EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE RC 24-IN EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE RC 30-IN EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE RC 36-IN EACH
1										
	31.0	153+74.8	17.0	LT	---	---	---	---	---	---
	AEW	154+07.51	29.7	LT	1	---	---	---	---	---
	AEW	154+38.69	31.3	LT	---	---	---	1	---	---
	32.0	154+50.00	17.0	LT	---	---	---	---	---	---
	33.0	155+47.4	17.0	LT	---	---	---	---	---	---
	33.1	155+47.4	17.0	RT	---	---	---	---	---	---
	33.2	154+85.4	42.4	RT	---	---	---	---	---	---
	STAGE 1 SUBTOTALS				1	0	0	1	0	0
2										
	AEW	82+45.00	40.6	LT	---	1	---	---	---	---
	1.0	82+65.5	17.5	LT	---	---	---	---	---	---
	2.0	83+80.3	17.0	LT	---	---	---	---	---	---
	3.0	88+48.5	17.0	LT	---	---	---	---	---	---
	4.0	91+17.0	17.0	LT	---	---	---	---	---	---
	5.0	94+18.9	20.2	LT	---	---	---	---	---	---
	AEW	94+17.69	52.2	LT	---	---	---	1	---	---
	AEW	96+42.60	49.2	LT	---	---	---	---	---	1
	6.0	97+19.9	17.0	LT	---	---	---	---	---	---
	7.0	100+16.3	17.0	LT	---	---	---	---	---	---
	52.0	101+81.1	17.0	LT	---	---	---	---	---	---
	52.1	101+81.1	37.7	LT	---	---	---	---	---	---
	8.0	103+48.1	17.0	LT	---	---	---	---	---	---
	8.6	103+48.0	39.0	LT	---	---	---	---	---	---
	50.0	105+50.0	6.0	LT	---	---	---	---	---	---
	50.3	105+50.0	17.0	LT	---	---	---	---	---	---
	9.0	108+00.0	6.0	LT	---	---	---	---	---	---
	9.2	108+00.0	17.0	LT	---	---	---	---	---	---
	10.0	109+85.0	6.0	LT	---	---	---	---	---	---
	10.4	109+77.0	17.0	LT	---	---	---	---	---	---
	10.5	109+85.0	17.0	LT	---	---	---	---	---	---
	11.0	113+11.4	17.0	LT	---	---	---	---	---	---
	AEW	113+11.58	47.0	LT	---	---	---	---	1	---
	51.0	116+50.0	17.0	LT	---	---	---	---	---	---
	12.0	119+98.6	17.0	LT	---	---	---	---	---	---
	13.0	120+83.2	17.0	LT	---	---	---	---	---	---
	13.1	120+86.7	93.9	LT	---	---	---	---	---	---
	13.2	120+62.6	99.8	LT	---	---	---	---	---	---
	15.0	123+57.8	17.0	LT	---	---	---	---	---	---
	16.0	125+54.5	17.0	LT	---	---	---	---	---	---
	AEW	125+50.16	55.8	LT	---	---	---	1	---	---
	17.0	128+00.0	17.0	LT	---	---	---	---	---	---
	18.0	130+00.0	17.0	LT	---	---	---	---	---	---

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APRON ENDWALLS

STAGE	STRUCTURE NUMBER	STATION	OFFSET	LOCATION	522.1012 APRON ENDWALLS FOR CULVERT PIPE RC 12-IN EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE RC 15-IN EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE RC 18-IN EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE RC 24-IN EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE RC 30-IN EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE RC 36-IN EACH
2										
	19.0	131+41.2	17.0	LT	---	---	---	---	---	---
	20.0	131+85.1	19.0	LT	---	---	---	---	---	---
	20.1	131+84.4	47.6	LT	---	---	---	---	---	---
	20.2	131+85.5	55.5	LT	---	---	---	---	---	---
	21.0	132+79.7	17.0	LT	---	---	---	---	---	---
	47.0	133+75.0	17.0	LT	---	---	---	---	---	---
	22.0	135+20.0	17.0	LT	---	---	---	---	---	---
	22.1	135+28.0	17.0	LT	---	---	---	---	---	---
	23.0	136+50.0	8.0	LT	---	---	---	---	---	---
	AEW	136+49.97	43.0	LT	---	---	---	1	---	---
	25.1	140+79.8	17.0	LT	---	---	---	---	---	---
	26.0	146+56.2	17.0	LT	---	---	---	---	---	---
	27.0	146+90.00	20.3	LT	---	---	---	---	---	---
	27.1	146+85.30	55.5	LT	---	---	---	---	---	---
	27.2	146+82.60	61.0	LT	---	---	---	---	---	---
	27.3	147+25.00	63.1	LT	---	---	---	---	---	---
	28.0	147+78.40	17.0	LT	---	---	---	---	---	---
	29.0	149+45.70	17.0	LT	---	---	---	---	---	---
	30.0	151+50.00	17.0	LT	---	---	---	---	---	---
	AEW	151+50.46	46.6	LT	---	---	---	1	---	---
		STAGE 2 SUBTOTALS			0	1	0	4	1	1
3										
	1.1	82+65.50	17.7	RT	---	---	---	---	---	---
	3.1	88+48.50	17.0	RT	---	---	---	---	---	---
	4.1	91+17.00	17.0	RT	---	---	---	---	---	---
	5.1	94+20.50	17.0	RT	---	---	---	---	---	---
	5.2	94+14.50	17.0	RT	---	---	---	---	---	---
	6.1	97+19.70	17.0	RT	---	---	---	---	---	---
	6.2	97+19.70	44.0	RT	---	---	---	---	---	---
	7.1	100+16.30	17.0	RT	---	---	---	---	---	---
	8.1	103+48.10	18.0	RT	---	---	---	---	---	---
	8.4	103+38.00	42.8	RT	---	---	---	---	---	---
	8.2	103+10.10	62.5	RT	---	---	---	---	---	---
	8.5	103+10.50	70.5	RT	---	---	---	---	---	---
	8.3	102+71.00	58.1	RT	---	---	---	---	---	---
	50.1	105+50.00	17.0	RT	---	---	---	---	---	---
	50.2	105+58.00	17.0	RT	---	---	---	---	---	---
	9.1	108+00.00	17.0	RT	---	---	---	---	---	---
	10.3	109+77.00	17.0	RT	---	---	---	---	---	---
	10.1	109+85.00	17.0	RT	---	---	---	---	---	---
	10.2	109+93.00	17.0	RT	---	---	---	---	---	---
	11.4	111+92.90	50.3	RT	---	---	---	---	---	---
	11.3	112+00.50	41.6	RT	---	---	---	---	---	---

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APRON ENDWALLS

STAGE	STRUCTURE NUMBER	STATION	OFFSET	LOCATION	522.1012 APRON ENDWALLS FOR CULVERT PIPE RC 12-IN EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE RC 15-IN EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE RC 18-IN EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE RC 24-IN EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE RC 30-IN EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE RC 36-IN EACH
	11.2	112+38.30	39.7	RT	---	---	---	---	---	---
	11.1	113+11.40	17.0	RT	---	---	---	---	---	---
	AEW	113+07.00	39.5	RT	---	---	1	---	---	---
	51.1	116+50.00	17.0	RT	---	---	---	---	---	---
	17.1	128+00.00	40.0	RT	---	---	---	---	---	---
	21.1	132+79.70	17.0	RT	---	---	---	---	---	---
	23.1	136+50.00	17.0	RT	---	---	---	---	---	---
	24.1	139+10.80	17.0	RT	---	---	---	---	---	---
	24.0	139+17.80	17.0	RT	---	---	---	---	---	---
	AEW	139+14.35	49.4	RT	---	1	---	---	---	---
	AEW	139+65.55	38.6	RT	---	1	---	---	---	---
	25.0	140+79.80	17.0	RT	---	---	---	---	---	---
	STAGE 3 SUBTOTALS				0	2	1	0	0	0
4										
	35.0	156+64.00	17.0	RT	---	---	---	---	---	---
	36.1	163+36.60	17.0	RT	---	---	---	---	---	---
	37.2	164+91.20	45.4	RT	---	---	---	---	---	---
	37.1	165+11.00	35.7	RT	---	---	---	---	---	---
	39.0	168+03.60	17.0	RT	---	---	---	---	---	---
	AEW	170+77.06	38.0	RT	---	1	---	---	---	---
	40.0	171+35.00	40.2	RT	---	---	---	---	---	---
	40.2	171+99.00	34.5	RT	---	---	---	---	---	---
	41.0	175+50.00	17.0	RT	---	---	---	---	---	---
	AEW	175+63.57	43.7	RT	1	---	---	---	---	---
	42.0	178+00.00	17.0	RT	---	---	---	---	---	---
	AEW	177+99.77	47.9	RT	1	---	---	---	---	---
	43.0	185+25.00	17.0	RT	---	---	---	---	---	---
	44.0	188+84.00	17.0	RT	---	---	---	---	---	---
	45.0	191+25.00	17.0	RT	---	---	---	---	---	---
	46.0	195+50.00	30.0	RT	---	---	---	---	---	---
	53.1	197+68.60	30.1	RT	---	---	---	---	---	---
	53.0	197+91.60	30.1	RT	---	---	---	---	---	---
	AEW	198+84.66	60.9	RT	---	1	---	---	---	---
	STAGE 4 SUBTOTALS				2	2	0	0	0	0
5										
	34.0	156+64.00	17.5	LT	---	---	---	---	---	---
	34.1	156+71.50	60.6	LT	---	---	---	---	---	---
	34.2	157+10.60	49.7	LT	---	---	---	---	---	---
	36.0	163+15.10	21.4	LT	---	---	---	---	---	---
	AEW	163+15.77	44.4	LT	---	1	---	---	---	---
	37.0	165+14.70	18.8	LT	---	---	---	---	---	---
	38.0	166+18.00	30.8	LT	---	---	---	---	---	---

3

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

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APRON ENDWALLS

STAGE	STRUCTURE NUMBER	STATION	OFFSET	LOCATION	522.1012 APRON ENDWALLS FOR CULVERT PIPE RC 12-IN EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE RC 15-IN EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE RC 18-IN EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE RC 24-IN EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE RC 30-IN EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE RC 36-IN EACH
5	AEW	167+70.22	25.4	LT	1	---	---	---	---	---
	AEW	185+25.00	44.0	LT	1	---	---	---	---	---
	AEW	188+78.98	36.8	LT	1	---	---	---	---	---
	AEW	191+09.00	41.5	LT	1	---	---	---	---	---
	AEW	195+57.00	39.3	LT	1	---	---	---	---	---
		STAGE 5 SUBTOTALS			5	1	0	0	0	0
TOTALS					**8**	**6**	**1**	**5**	**1**	**1**

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STORM SEWER STRUCTURES - INLET PROTECTION

STAGE	STRUCTURE NUMBER	STATION	OFFSET	LOCATION	611.3004 INLETS 4-FT EACH	611.3230 INLETS 2x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.8120.S COVER PLATES TEMPORARY EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	INLET PROTECTION 628.7005 TYPE A EACH	INLET PROTECTION 628.7015 TYPE C EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
1													
	31.0	153+74.8	17.0	LT	---	1	---	1	---	---	1	1	1
	AEW	154+07.51	29.7	LT	---	---	---	---	---	---	---	---	1
	AEW	154+38.69	31.3	LT	---	---	---	---	---	---	---	---	1
	32.0	154+50.00	17.0	LT	---	---	---	1	---	1	1	1	1
	33.0	155+47.4	17.0	LT	---	---	---	1	---	1	1	1	1
	33.1	155+47.4	17.0	RT	---	1	---	1	---	---	1	1	1
	33.2	154+85.4	42.4	RT	---	---	1	1	---	---	1	---	1
		STAGE 1 SUBTOTALS			0	2	1	5	0	2	5	4	7
2													
	AEW	82+45.00	40.6	LT	---	---	---	1	---	---	---	---	1
	1.0	82+65.5	17.5	LT	1	---	---	1	---	---	1	1	1
	2.0	83+80.3	17.0	LT	---	1	---	1	---	---	1	1	1
	3.0	88+48.5	17.0	LT	---	1	---	1	---	---	1	1	1
	4.0	91+17.0	17.0	LT	---	1	---	1	---	---	1	1	1
	5.0	94+18.9	20.2	LT	---	---	---	1	---	1	1	1	1
	AEW	94+17.69	52.2	LT	---	---	---	---	---	---	---	---	1
	AEW	96+42.60	49.2	LT	---	---	---	---	---	---	---	---	1
	6.0	97+19.9	17.0	LT	---	---	---	1	---	1	1	1	1
	7.0	100+16.3	17.0	LT	---	---	---	1	---	1	1	1	1
	52.0	101+81.1	17.0	LT	---	---	---	1	---	1	1	1	1
	52.1	101+81.1	37.7	LT	---	---	1	1	---	---	1	---	1
	8.0	103+48.1	17.0	LT	---	---	---	1	---	1	1	1	1
	8.6	103+48.0	39.0	LT	---	---	1	1	---	---	1	---	1
	50.0	105+50.0	6.0	LT	---	---	---	1	---	1	---	---	1
	50.3	105+50.0	17.0	LT	---	1	---	1	---	---	1	1	1
	9.0	108+00.0	6.0	LT	---	---	---	1	1	---	---	---	1
	9.2	108+00.0	17.0	LT	---	1	---	1	---	---	1	1	1
	10.0	109+85.0	6.0	LT	---	---	---	1	1	---	---	---	1
	10.4	109+77.0	17.0	LT	---	1	---	1	---	---	1	1	1
	10.5	109+85.0	17.0	LT	---	1	---	1	---	---	1	1	1
	11.0	113+11.4	17.0	LT	---	1	---	1	---	---	1	1	1
	AEW	113+11.58	47.0	LT	---	---	---	---	---	---	---	---	1
	51.0	116+50.0	17.0	LT	---	1	---	1	---	---	1	1	1
	12.0	119+98.6	17.0	LT	---	1	---	1	---	---	1	1	1
	13.0	120+83.2	17.0	LT	---	---	---	1	1	---	1	1	1
	13.1	120+86.7	93.9	LT	---	1	---	1	---	---	1	1	1
	13.2	120+62.6	99.8	LT	---	1	---	1	---	---	1	1	1
	15.0	123+57.8	17.0	LT	1	---	---	1	---	---	1	1	1
	16.0	125+54.5	17.0	LT	---	---	---	1	---	1	1	1	1
	AEW	125+50.16	55.8	LT	---	---	---	---	---	---	---	---	1
	17.0	128+00.0	17.0	LT	---	1	---	1	---	---	1	1	1
	18.0	130+00.0	17.0	LT	1	---	---	1	---	---	1	1	1

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STORM SEWER STRUCTURES-INLET PROTECTION

STAGE	STRUCTURE NUMBER	STATION	OFFSET	LOCATION	611.3004 INLETS 4-FT EACH	611.3230 INLETS 2x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.8120.S COVER PLATES TEMPORARY EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	INLET PROTECTION 628.7005 TYPE A EACH	INLET PROTECTION 628.7015 TYPE C EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
2	19.0	131+41.2	17.0	LT	1	---	---	1	---	---	1	1	1
	20.0	131+85.1	19.0	LT	---	---	---	1	---	1	---	---	1
	20.1	131+84.4	47.6	LT	---	1	---	1	---	---	1	1	1
	20.2	131+85.5	55.5	LT	---	1	---	1	---	---	1	1	1
	21.0	132+79.7	17.0	LT	---	---	---	1	---	1	1	1	1
	47.0	133+75.0	17.0	LT	1	---	---	1	---	---	1	1	1
	22.0	135+20.0	17.0	LT	1	---	---	1	---	---	1	1	1
	22.1	135+28.0	17.0	LT	1	---	---	1	---	---	1	1	1
	23.0	136+50.0	8.0	LT	---	---	---	1	---	1	---	---	1
	AEW	136+49.97	43.0	LT	---	---	---	---	---	---	---	---	1
	25.1	140+79.8	17.0	LT	---	1	---	1	---	---	1	1	1
	26.0	146+56.2	17.0	LT	---	1	---	1	---	---	1	1	1
	27.0	146+90.00	20.3	LT	---	---	---	1	1	---	---	---	1
	27.1	146+85.30	55.5	LT	---	1	---	1	---	---	1	1	1
	27.2	146+82.60	61.0	LT	---	1	---	1	---	---	1	1	1
	27.3	147+25.00	63.1	LT	---	1	---	1	---	---	1	1	1
	28.0	147+78.40	17.0	LT	---	---	---	1	---	1	1	1	1
	29.0	149+45.70	17.0	LT	---	---	---	1	---	1	1	1	1
	30.0	151+50.00	17.0	LT	---	---	---	1	---	1	1	1	1
	AEW	151+50.46	46.6	LT	---	---	---	---	---	---	---	---	1
	STAGE 2 SUBTOTALS				7	20	2	47	4	13	40	38	53
3									---	---			
	1.1	82+65.50	17.7	RT	---	1	---	1	---	---	1	1	1
	3.1	88+48.50	17.0	RT	---	1	---	1	---	---	1	1	1
	4.1	91+17.00	17.0	RT	---	1	---	1	---	---	1	1	1
	5.1	94+20.50	17.0	RT	---	1	---	1	---	---	1	1	1
	5.2	94+14.50	17.0	RT	---	1	---	1	---	---	1	1	1
	6.1	97+19.70	17.0	RT	---	1	---	1	---	---	1	1	1
	6.2	97+19.70	44.0	RT	---	---	1	1	---	---	1	---	1
	7.1	100+16.30	17.0	RT	---	1	---	1	---	---	1	1	1
	8.1	103+48.10	18.0	RT	---	1	---	1	---	---	1	1	1
	8.4	103+38.00	42.8	RT	---	---	1	1	---	---	1	---	1
	8.2	103+10.10	62.5	RT	---	1	---	1	---	---	1	1	1
	8.5	103+10.50	70.5	RT	---	1	---	1	---	---	1	1	1
	8.3	102+71.00	58.1	RT	---	1	---	1	---	---	1	1	1
	50.1	105+50.00	17.0	RT	---	1	---	1	---	---	1	1	1
	50.2	105+58.00	17.0	RT	---	1	---	1	---	---	1	1	1
	9.1	108+00.00	17.0	RT	---	1	---	1	---	---	1	1	1
	10.3	109+77.00	17.0	RT	---	1	---	1	---	---	1	1	1
	10.1	109+85.00	17.0	RT	---	1	---	1	---	---	1	1	1
	10.2	109+93.00	17.0	RT	---	1	---	1	---	---	1	1	1
	11.4	111+92.90	50.3	RT	---	---	1	1	---	---	1	---	1
	11.3	112+00.50	41.6	RT	---	1	---	1	---	---	1	1	1

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STORM SEWER STRUCTURES - INLET PROTECTION

STAGE	STRUCTURE NUMBER	STATION	OFFSET	LOCATION	611.3004 INLETS 4-FT EACH	611.3230 INLETS 2x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.8120.S COVER PLATES TEMPORARY EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	INLET PROTECTION 628.7005 TYPE A EACH	INLET PROTECTION 628.7015 TYPE C EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
3	11.2	112+38.30	39.7	RT	1	---	---	1	---	---	1	1	1
	11.1	113+11.40	17.0	RT	1	---	---	1	---	---	1	1	1
	AEW	113+07.00	39.5	RT	---	---	---	---	---	---	---	---	1
	51.1	116+50.00	17.0	RT	---	1	---	1	---	---	1	1	1
	17.1	128+00.00	40.0	RT	---	---	1	1	---	---	1	---	1
	21.1	132+79.70	17.0	RT	---	1	---	1	---	---	1	1	1
	23.1	136+50.00	17.0	RT	---	1	---	1	---	---	1	1	1
	24.1	139+10.80	17.0	RT	---	1	---	1	---	---	1	1	1
	24.0	139+17.80	17.0	RT	---	1	---	1	---	---	1	1	1
	AEW	139+14.35	49.4	RT	---	---	---	---	---	---	---	---	1
	AEW	139+65.55	38.6	RT	---	---	---	---	---	---	---	---	1
	25.0	140+79.80	17.0	RT	---	1	---	1	---	---	1	1	1
	STAGE 3 SUBTOTALS				2	24	4	30	0	0	30	26	33
4													
	35.0	156+64.00	17.0	RT	---	1	---	1	---	---	1	1	1
	36.1	163+36.60	17.0	RT	---	1	---	1	---	---	1	1	1
	37.2	164+91.20	45.4	RT	---	---	1	1	---	---	1	1	1
	37.1	165+11.00	35.7	RT	---	---	1	1	---	---	1	---	1
	39.0	168+03.60	17.0	RT	---	1	---	1	---	---	1	1	1
	AEW	170+77.06	38.0	RT	---	---	---	---	---	---	---	---	1
	40.0	171+35.00	40.2	RT	---	1	---	1	---	---	1	1	1
	40.2	171+99.00	34.5	RT	---	---	1	1	---	---	1	---	1
	41.0	175+50.00	17.0	RT	---	1	---	1	---	---	1	1	1
	AEW	175+63.57	43.7	RT	---	---	---	---	---	---	---	---	1
	42.0	178+00.00	17.0	RT	---	1	---	1	---	---	1	1	1
	AEW	177+99.77	47.9	RT	---	---	---	---	---	---	---	---	1
	43.0	185+25.00	17.0	RT	---	1	---	1	---	---	1	1	1
	44.0	188+84.00	17.0	RT	---	1	---	1	---	---	1	1	1
	45.0	191+25.00	17.0	RT	---	1	---	1	---	---	1	1	1
	46.0	195+50.00	30.0	RT	---	1	---	1	---	---	1	1	1
	53.1	197+68.60	30.1	RT	---	1	---	1	---	---	1	1	1
	53.0	197+91.60	30.1	RT	---	1	---	1	---	---	1	1	1
	AEW	198+84.66	60.9	RT	---	---	---	---	---	---	---	---	1
	STAGE 4 SUBTOTALS				0	12	3	15	0	0	15	13	19
5													
	34.0	156+64.00	17.5	LT	---	---	---	1	---	1	---	---	1
	34.1	156+71.50	60.6	LT	---	1	---	1	---	---	1	1	1
	34.2	157+10.60	49.7	LT	---	1	---	1	---	---	1	1	1
	36.0	163+15.10	21.4	LT	---	---	---	1	---	1	---	---	1
	AEW	163+15.77	44.4	LT	---	---	---	---	---	---	---	---	1
	37.0	165+14.70	18.8	LT	---	---	---	1	1	---	---	---	1
	38.0	166+18.00	30.8	LT	---	---	1	1	---	---	1	---	1

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STORM SEWER STRUCTURES - INLET PROTECTION

STAGE	STRUCTURE NUMBER	STATION	OFFSET	LOCATION	611.3004 INLETS 4-FT EACH	611.3230 INLETS 2x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.8120.S COVER PLATES TEMPORARY EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	INLET PROTECTION 628.7005 TYPE A EACH	INLET PROTECTION 628.7015 TYPE C EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
5	AEW	167+70.22	25.4	LT	---	---	---	---	---	---	---	---	1
	AEW	185+25.00	44.0	LT	---	---	---	---	---	---	---	---	1
	AEW	188+78.98	36.8	LT	---	---	---	---	---	---	---	---	1
	AEW	191+09.00	41.5	LT	---	---	---	---	---	---	---	---	1
	AEW	195+57.00	39.3	LT	---	---	---	---	---	---	---	---	1
		STAGE 5 SUBTOTALS			0	2	1	6	1	2	3	2	12
TOTALS					**9**	**60**	**11**	**103**	**5**	**17**	**93**	**83**	**124**

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APRON ENDWALLS AND INLETS

STAGE	STRUCTURE NUMBER	STATION	OFFSET	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0654 INLET COVERS TYPE V EACH	RIM OR FLANGE LINE ELEVATION	STRUCTURE LOWEST INVERT ELEVATION	DEPTH
1												
	31.0	153+74.8	17.0	LT	---	---	1	---	---	824.93	819.70	4.14
	AEW	154+07.51	29.7	LT	---	---	---	---	---	---	---	---
	AEW	154+38.69	31.3	LT	---	---	---	---	---	---	---	---
	32.0	154+50.00	17.0	LT	---	---	1	---	---	824.55	819.20	4.18
	33.0	155+47.4	17.0	LT	---	---	---	---	1	824.20	819.64	3.06
	33.1	155+47.4	17.0	RT	---	---	1	---	---	824.20	820.36	2.71
	33.2	154+85.4	42.4	RT	---	---	---	1	---	823.62	820.66	2.75
		STAGE 1 SUBTOTALS			0	0	3	1	1			
2												
	AEW	82+45.00	40.6	LT	---	---	---	---	---	---	---	---
	1.0	82+65.5	17.5	LT	---	1	---	---	---	863.35	860.61	1.63
	2.0	83+80.3	17.0	LT	---	1	---	---	---	865.30	861.36	2.85
	3.0	88+48.5	17.0	LT	---	1	---	---	---	865.39	861.15	3.15
	4.0	91+17.0	17.0	LT	---	1	---	---	---	862.59	859.03	2.43
	5.0	94+18.9	20.2	LT	1	---	---	---	---	862.82	857.06	4.39
	AEW	94+17.69	52.2	LT	---	---	---	---	---	---	---	---
	AEW	96+42.60	49.2	LT	---	---	---	---	---	---	---	---
	6.0	97+19.9	17.0	LT	---	1	---	---	---	862.51	857.70	3.56
	7.0	100+16.3	17.0	LT	---	1	---	---	---	866.04	859.88	4.91
	52.0	101+81.1	17.0	LT	---	1	---	---	---	868.24	861.04	5.99
	52.1	101+81.1	37.7	LT	---	---	---	1	---	867.25	862.77	4.31
	8.0	103+48.1	17.0	LT	---	1	---	---	---	870.47	862.67	6.59
	8.6	103+48.0	39.0	LT	---	---	---	1	---	868.45	864.30	3.98
	50.0	105+50.0	6.0	LT	1	---	---	---	---	873.13	867.18	4.54
	50.3	105+50.0	17.0	LT	---	1	---	---	---	872.93	868.40	3.44
	9.0	108+00.0	6.0	LT	1	---	---	---	---	874.82	868.51	4.90
	9.2	108+00.0	17.0	LT	---	1	---	---	---	874.62	870.10	3.43
	10.0	109+85.0	6.0	LT	1	---	---	---	---	874.89	869.08	4.40
	10.4	109+77.0	17.0	LT	---	1	---	---	---	874.71	870.17	3.45
	10.5	109+85.0	17.0	LT	---	1	---	---	---	874.69	869.88	3.70
	11.0	113+11.4	17.0	LT	---	1	---	---	---	875.71	869.54	5.08
	AEW	113+11.58	47.0	LT	---	---	---	---	---	---	---	---
	51.0	116+50.0	17.0	LT	---	1	---	---	---	877.04	873.28	2.67
	12.0	119+98.6	17.0	LT	---	1	---	---	---	876.23	871.80	3.34
	13.0	120+83.2	17.0	LT	1	---	---	---	---	875.16	867.42	6.33
	13.1	120+86.7	93.9	LT	---	1	---	---	---	873.12	868.94	3.07
	13.2	120+62.6	99.8	LT	---	1	---	---	---	873.16	869.44	2.63
	15.0	123+57.8	17.0	LT	---	1	---	---	---	869.18	862.00	6.01
	16.0	125+54.5	17.0	LT	---	1	---	---	---	864.97	857.72	6.08
	AEW	125+50.16	55.8	LT	---	---	---	---	---	---	---	---
	17.0	128+00.0	17.0	LT	---	---	---	---	1	863.84	857.93	4.47
	18.0	130+00.0	17.0	LT	---	1	---	---	---	860.82	855.26	4.39

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APRON ENDWALLS AND INLETS

STAGE	STRUCTURE NUMBER	STATION	OFFSET	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0654 INLET COVERS TYPE V EACH	RIM OR FLANGE LINE ELEVATION	STRUCTURE LOWEST INVERT ELEVATION	DEPTH
2	19.0	131+41.2	17.0	LT	---	1	---	---	---	856.50	850.83	4.50
	20.0	131+85.1	19.0	LT	1	---	---	---	---	854.73	848.85	4.47
	20.1	131+84.4	47.6	LT	---	1	---	---	---	853.86	850.08	2.67
	20.2	131+85.5	55.5	LT	---	1	---	---	---	854.08	850.58	2.41
	21.0	132+79.7	17.0	LT	---	1	---	---	---	850.79	846.71	2.91
	47.0	133+75.0	17.0	LT	---	1	---	---	---	846.72	841.06	4.49
	22.0	135+20.0	17.0	LT	---	1	---	---	---	840.87	835.25	4.45
	22.1	135+28.0	17.0	LT	---	1	---	---	---	840.59	834.84	4.58
	23.0	136+50.0	8.0	LT	1	---	---	---	---	835.69	832.20	2.08
	AEW	136+49.97	43.0	LT	---	---	---	---	---	---	---	---
	25.1	140+79.8	17.0	LT	---	1	---	---	---	832.18	827.02	4.07
	26.0	146+56.2	17.0	LT	---	1	---	---	---	843.60	839.12	3.39
	27.0	146+90.00	20.3	LT	1	---	---	---	---	842.06	836.50	4.15
	27.1	146+85.30	55.5	LT	---	1	---	---	---	841.30	837.39	2.80
	27.2	146+82.60	61.0	LT	---	1	---	---	---	841.27	837.67	2.51
	27.3	147+25.00	63.1	LT	---	1	---	---	---	841.19	837.78	2.32
	28.0	147+78.40	17.0	LT	---	1	---	---	---	838.64	834.57	2.90
	29.0	149+45.70	17.0	LT	---	1	---	---	---	832.21	828.40	2.64
	30.0	151+50.00	17.0	LT	---	1	---	---	---	827.42	823.59	2.66
	AEW	151+50.46	46.6	LT	---	---	---	---	---	---	---	---
	STAGE 2 SUBTOTALS				8	35	0	2	1			
3												
	1.1	82+65.50	17.7	RT	---	1	---	---	---	863.35	860.90	1.36
	3.1	88+48.50	17.0	RT	---	1	---	---	---	865.39	861.42	2.88
	4.1	91+17.00	17.0	RT	---	1	---	---	---	862.51	859.70	1.72
	5.1	94+20.50	17.0	RT	---	---	1	---	---	860.92	858.03	1.78
	5.2	94+14.50	17.0	RT	---	---	1	---	---	860.92	858.32	1.51
	6.1	97+19.70	17.0	RT	---	1	---	---	---	862.50	859.51	1.86
	6.2	97+19.70	44.0	RT	---	---	---	1	---	863.00	860.08	2.73
	7.1	100+16.30	17.0	RT	---	1	---	---	---	866.04	862.08	2.87
	8.1	103+48.10	18.0	RT	---	1	---	---	---	870.43	863.31	5.95
	8.4	103+38.00	42.8	RT	---	---	---	1	---	868.85	863.51	5.09
	8.2	103+10.10	62.5	RT	---	1	---	---	---	869.23	864.69	3.45
	8.5	103+10.50	70.5	RT	---	1	---	---	---	869.35	864.79	3.47
	8.3	102+71.00	58.1	RT	---	1	---	---	---	869.32	864.99	3.24
	50.1	105+50.00	17.0	RT	---	1	---	---	---	872.93	868.17	3.65
	50.2	105+58.00	17.0	RT	---	1	---	---	---	873.00	868.50	3.41
	9.1	108+00.00	17.0	RT	---	1	---	---	---	874.62	870.10	3.43
	10.3	109+77.00	17.0	RT	---	1	---	---	---	874.71	870.26	3.36
	10.1	109+85.00	17.0	RT	---	1	---	---	---	874.68	870.21	3.38
	10.2	109+93.00	17.0	RT	---	1	---	---	---	874.72	870.26	3.37
	11.4	111+92.90	50.3	RT	---	---	---	1	---	873.37	871.84	1.36
	11.3	112+00.50	41.6	RT	---	1	---	---	---	874.81	871.67	2.05

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APRON ENDWALLS AND INLETS

STAGE	STRUCTURE NUMBER	STATION	OFFSET	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0654 INLET COVERS TYPE V EACH	RIM OR FLANGE LINE ELEVATION	STRUCTURE LOWEST INVERT ELEVATION	DEPTH
3	11.2	112+38.30	39.7	RT	---	1	---	---	---	874.73	871.19	2.43
	11.1	113+11.40	17.0	RT	---	1	---	---	---	875.71	869.71	4.79
	AEW	113+07.00	39.5	RT	---	---	---	---	---	---	---	---
	51.1	116+50.00	17.0	RT	---	1	---	---	---	877.04	873.58	2.37
	17.1	128+00.00	40.0	RT	---	---	---	1	---	862.85	858.46	4.22
	21.1	132+79.70	17.0	RT	---	1	---	---	---	852.04	848.32	2.63
	23.1	136+50.00	17.0	RT	---	1	---	---	---	835.69	832.50	2.02
	24.1	139+10.80	17.0	RT	---	---	1	---	---	829.95	827.28	1.58
	24.0	139+17.80	17.0	RT	---	1	---	---	---	829.95	826.98	1.86
	AEW	139+14.35	49.4	RT	---	---	---	---	---	---	---	---
	AEW	139+65.55	38.6	RT	---	---	---	---	---	---	---	---
	25.0	140+79.80	17.0	RT	---	1	---	---	---	832.02	826.56	4.35
	STAGE 3 SUBTOTALS				0	23	3	4	0			
4												
	35.0	156+64.00	17.0	RT	---	1	---	---	---	824.62	821.30	2.21
	36.1	163+36.60	17.0	RT	---	1	---	---	---	827.90	825.13	1.68
	37.2	164+91.20	45.4	RT	---	---	---	1	---	829.80	825.52	4.11
	37.1	165+11.00	35.7	RT	---	---	---	1	---	830.26	825.42	4.65
	39.0	168+03.60	17.0	RT	---	1	---	---	---	842.79	840.24	1.46
	AEW	170+77.06	38.0	RT	---	---	---	---	---	---	---	---
	40.0	171+35.00	40.2	RT	---	1	---	---	---	854.26	850.30	2.85
	40.2	171+99.00	34.5	RT	---	---	---	1	---	854.93	850.81	3.95
	41.0	175+50.00	17.0	RT	---	1	---	---	---	862.85	857.67	4.09
	AEW	175+63.57	43.7	RT	---	---	---	---	---	---	---	---
	42.0	178+00.00	17.0	RT	---	1	---	---	---	868.39	863.32	3.98
	AEW	177+99.77	47.9	RT	---	---	---	---	---	---	---	---
	43.0	185+25.00	17.0	RT	---	1	---	---	---	876.62	871.36	4.17
	44.0	188+84.00	17.0	RT	---	1	---	---	---	876.70	871.82	3.79
	45.0	191+25.00	17.0	RT	---	1	---	---	---	876.02	872.27	2.66
	46.0	195+50.00	30.0	RT	---	1	---	---	---	873.51	869.32	3.10
	53.1	197+68.60	30.1	RT	---	1	---	---	---	869.84	864.50	4.25
	53.0	197+91.60	30.1	RT	---	1	---	---	---	869.34	864.02	4.21
	AEW	198+84.66	60.9	RT	---	---	---	---	---	---	---	---
	STAGE 4 SUBTOTALS				0	12	0	3	0			
5												
	34.0	156+64.00	17.5	LT	1	---	---	---	---	824.61	820.11	3.09
	34.1	156+71.50	60.6	LT	---	1	---	---	---	824.30	821.02	2.17
	34.2	157+10.60	49.7	LT	---	1	---	---	---	823.76	821.30	1.37
	36.0	163+15.10	21.4	LT	1	---	---	---	---	827.62	824.52	1.75
	AEW	163+15.77	44.4	LT	---	---	---	---	---			
	37.0	165+14.70	18.8	LT	1	---	---	---	---	831.13	826.30	3.48
	38.0	166+18.00	30.8	LT	---	---	---	1	---	832.17	827.52	4.48

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APRON ENDWALLS AND INLETS

STAGE	STRUCTURE NUMBER	STATION	OFFSET	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0645 INLET COVERS TYPE MS-A EACH	611.0654 INLET COVERS TYPE V EACH	RIM OR FLANGE LINE ELEVATION	STRUCTURE LOWEST INVERT ELEVATION	DEPTH
5	AEW	167+70.22	25.4	LT	---	---	---	---	---	---	---	---
	AEW	185+25.00	44.0	LT	---	---	---	---	---	---	---	---
	AEW	188+78.98	36.8	LT	---	---	---	---	---	---	---	---
	AEW	191+09.00	41.5	LT	---	---	---	---	---	---	---	---
	AEW	195+57.00	39.3	LT	---	---	---	---	---	---	---	---
			STAGE 5 SUBTOTALS		3	2	0	1	0			
TOTALS					**11**	**72**	**6**	**11**	**2**			

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STORM SEWER PIPE

STAGE	FROM STRUCTURE NUMBER	TO STRUCTURE NUMBER	INVERT ELEVATION	DISCHARGE ELEVATION	520.8000 CONCRETE COLLAR EACH	REINFORCED CONCRETE PIPE CLASS IV, STORM SEWER 608.0412 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	COMMENTS
1												
	31.0	AEW	819.70	819.11	---	72	---	---	---	---	---	DISCHARGE EL @ END OF ENDWALL
	32.0	AEW	819.20	819.11	---	24	---	---	---	---	---	DISCHARGE EL @ END OF ENDWALL
	33.0	32.0	819.64	819.30	---	---	---	---	97	---	---	
	33.2	33.1	820.66	820.46	---	---	---	67	---	---	---	
	33.1	33.0	820.36	820.24	---	---	---	34	---	---	---	
				STAGE 1 SUBTOTALS	0	96	0	101	97	0	0	
2												
	1.0	AEW	860.61	860.50	---	---	---	---	---	---	---	DISCHARGE EL @ END OF ENDWALL
	1.1	1.0	860.90	860.61	---	18	---	---	---	---	---	17' TO ADD IN STAGE 3
	2.0	1.0	861.36	860.79	---	115	---	---	---	---	---	
	3.1	3.0	861.42	861.25	---	18	---	---	---	---	---	16' TO ADD IN STAGE 3
	3.0	4.0	861.15	859.53	---	269	---	---	---	---	---	
	4.1	4.0	859.70	859.53	---	18	---	---	---	---	---	16 ' TO ADD IN STAGE 3
	4.0	5.0	859.03	857.56	---	---	---	304	---	---	---	
	5.0	AEW	857.06	857.00	---	---	---	---	---	---	---	DISCHARGE EL @ END OF ENDWALL
	5.1	5.0	858.03	857.81	---	---	20	---	---	---	---	17' TO ADD IN STAGE 3
	6.0	AEW	857.70	857.35	---	---	---	---	---	---	75	
	6.1	6.0	859.51	859.30	---	---	---	18	---	---	---	16' TO ADD IN STAGE 3
	7.0	6.0	859.88	857.80	---	---	---	---	---	---	297	
	7.1	7.0	862.08	861.88	---	18	---	---	---	---	---	16' TO ADD IN STAGE 3
	52.0	7.0	861.04	859.98	---	---	---	---	---	165	---	
	52.1	52.0	862.77	862.64	---	21	---	---	---	---	---	
	8.0	52.0	862.67	861.14	---	---	---	---	---	167	---	
	8.6	8.0	864.30	864.17	---	22	---	---	---	---	---	
	8.1	8.0	863.31	863.17	---	---	---	---	19	---	---	16' TO ADD IN STAGE 3
	50.0	8.0	867.18	863.17	---	---	---	---	202	---	---	
	50.3	50.0	868.40	868.35	---	11	---	---	---	---	---	
	50.1	50.0	868.17	868.03	---	---	8	---	---	---	---	15' TO ADD IN STAGE 3
	9.0	50.0	868.51	867.28	---	---	---	---	250	---	---	
	9.1	9.0	870.10	869.99	---	8	---	---	---	---	---	15' TO ADD IN STAGE 3
	9.2	9.0	870.10	869.99	---	11	---	---	---	---	---	
	10.0	9.0	869.08	868.61	---	---	---	---	185	---	---	
	10.1	10.0	869.69	869.58	---	---	---	8	---	---	---	15' TO ADD IN STAGE 3
	10.4	10.5	870.17	870.13	---	8	---	---	---	---	---	
	10.5	10.0	869.88	869.83	---	---	11	---	---	---	---	
	11.1	11.0	869.71	869.62	---	---	---	---	---	18	---	16' TO ADD IN STAGE 3
	11.0	AEW	869.54	869.45	---	---	---	---	---	24	---	DISCHARGE EL @ END OF ENDWALL
	51.0	11.0	873.28	871.24	---	339	---	---	---	---	---	
	51.1	51.0	873.58	873.38	---	18	---	---	---	---	---	16' TO ADD IN STAGE 3
	12.0	13.0	871.80	870.72	---	85	---	---	---	---	---	
	13.2	13.1	869.44	869.19	---	25	---	---	---	---	---	
	13.1	13.0	868.94	868.17	---	---	77	---	---	---	---	
	13.0	15.0	867.42	863.50	---	---	---	---	275	---	---	

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STORM SEWER PIPE

STAGE	FROM STRUCTURE NUMBER	TO STRUCTURE NUMBER	INVERT ELEVATION	DISCHARGE ELEVATION	520.8000 CONCRETE COLLAR EACH	REINFORCED CONCRETE PIPE CLASS IV, STORM SEWER 608.0412 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	COMMENTS
2					---	---	---	---	---	---	---	
	15.0	16.0	862.00	858.13	---	---	---	---	197	---	---	
	EXISTING	16.0	861.42	858.63	---	---	---	---	---	---	---	CONNECT EXISTING INTO 16.0
	16.0	AEW	857.72	856.50	---	---	---	---	33	---	---	DISCHARGE EL @ END OF ENDWALL
	17.1	17.0	858.46	858.18	---	18	---	---	---	---	---	39' TO ADD IN STAGE 3
	17.0	18.0	857.93	856.07	---	---	198	---	---	---	---	
	18.0	19.0	855.26	850.93	---	---	---	---	138	---	---	
	19.0	20.0	850.83	849.19	---	---	---	---	43	---	---	
	20.2	20.1	850.58	850.33	---	8	---	---	---	---	---	
	20.1	20.0	850.08	849.94	---	---	29	---	---	---	---	
	21.1	21.0	848.32	848.15	---	18	---	---	---	---	---	16' TO ADD IN STAGE 3
	21.0	47.0	846.71	843.00	---	---	---	---	93	---	---	
	47.0	22.0	841.06	835.35	---	---	---	---	145	---	---	
	22.0	22.1	835.25	835.04	---	---	---	---	8	---	---	
	22.1	23.0	834.84	832.20	---	---	---	---	123	---	---	
	23.0	AEW	832.20	831.50	---	---	---	---	29	---	---	DISCHARGE EL @ END OF ENDWALL
	23.1	23.0	832.60	832.50	---	8	---	---	---	---	---	17' TO ADD IN STAGE 3
	25.1	25.0	827.02	826.81	---	18	---	---	---	---	---	16' TO ADD IN STAGE 3
	26.0	27.0	839.12	837.50	---	33	---	---	---	---	---	
	27.0	28.0	836.50	834.67	---	---	---	---	84	---	---	
	27.3	27.1	837.78	837.64	---	35	---	---	---	---	---	
	27.2	27.1	837.67	837.64	---	6	---	---	---	---	---	
	27.1	27.0	837.39	837.25	---	---	35	---	---	---	---	
	28.0	29.0	834.57	828.50	---	---	---	---	158	---	---	
	29.0	30.0	828.40	823.69	---	---	---	---	204	---	---	
	30.0	AEW	823.59	823.50	---	---	---	---	24	---	---	DISCHARGE EL @ END OF ENDWALL
				STAGE 2 SUBTOTALS	0	1148	378	330	2210	374	372	
3												
	1.1	1.0	860.90	860.61	---	17	---	---	---	---	---	
	3.1	3.0	861.42	861.25	---	16	---	---	---	---	---	
	4.1	4.0	859.70	859.53	---	16	---	---	---	---	---	
	5.2	5.1	858.32	858.28	---	6	---	---	---	---	---	
	5.1	5.0	858.03	857.81	---	---	17	---	---	---	---	
	6.2	6.1	860.08	859.76	---	---	27	---	---	---	---	
	6.1	6.0	859.51	859.30	---	---	---	16	---	---	---	
	7.1	7.0	862.08	861.88	---	16	---	---	---	---	---	
	8.3	8.2	864.99	864.79	---	39	---	---	---	---	---	
	8.5	8.2	864.84	864.79	---	8	---	---	---	---	---	
	8.2	8.4	864.69	864.51	---	34	---	---	---	---	---	
	8.4	8.1	863.51	863.41	---	---	---	---	27	---	---	
	8.1	8.0	863.31	863.17	---	---	---	---	16	---	---	
	50.2	50.1	868.50	868.42	---	8	---	---	---	---	---	
	50.1	50.0	868.17	868.03	---	---	15	---	---	---	---	

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

ALL ITEMS ARE PROJECT ID **9650-17-70** UNLESS OTHERWISE SPECIFIED.

STORM SEWER PIPE

STAGE	FROM STRUCTURE NUMBER	TO STRUCTURE NUMBER	INVERT ELEVATION	DISCHARGE ELEVATION	520.8000 CONCRETE COLLAR EACH	REINFORCED CONCRETE PIPE CLASS IV, STORM SEWER 608.0412 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	COMMENTS
3					---	---	---	---	---	---	---	
	10.3	10.1	870.26	870.21	---	8	---	---	---	---	---	
	10.2	10.1	870.26	870.21	---	8	---	---	---	---	---	
	10.1	10.0	869.69	869.58	---	---	---	15	---	---	---	
	11.4	11.3	871.84	871.77	---	12	---	---	---	---	---	
	11.3	11.2	871.67	871.44	---	38	---	---	---	---	---	
	11.2	11.1	871.19	870.96	---	---	77	---	---	---	---	
	11.1	11.0	869.71	869.62	---	---	---	---	---	16	---	
	AEW	11.1	873.55	870.71	---	---	---	---	---	---	---	AEW INVERT EL @ END OF ENDWALL
	51.1	51.0	873.58	873.38	---	16	---	---	---	---	---	
	17.1	17.0	858.46	858.18	---	39	---	---	---	---	---	
	21.1	21.0	848.32	848.15	---	16	---	---	---	---	---	
	23.1	23.0	832.60	832.50	---	17	---	---	---	---	---	
	24.1	24.0	827.28	827.23	---	7	---	---	---	---	---	
	24.0	AEW	826.98	826.81	---	---	22	---	---	---	---	DISCHARGE EL @ END OF ENDWALL
	25.1	25.0	827.02	826.81	---	16	---	---	---	---	---	
	25.0	AEW	826.56	826.39	---	---	22	---	---	---	---	
				STAGE 3 SUBTOTALS	0	337	180	31	43	16	0	
4												
	35.0	34.0	821.30	821.14	---	---	19	---	---	---	---	16' TO ADD IN STAGE 5
	36.1	36.0	825.13	824.87	---	20	---	---	---	---	---	24' TO ADD IN STAGE 5
	37.2	37.1	825.52	825.42	---	23	---	---	---	---	---	
	37.1	37.0	825.42	825.23	---	---	38	---	---	---	---	17' TO ADD IN STAGE 5
	39.0	AEW	840.24	840.00	---	24	---	---	---	---	---	24' TO ADD IN STAGE 5
	40.2	40.1	850.81	850.69	---	26	---	---	---	---	---	
	40.1	40.0	850.44	850.30	---	---	40	---	---	---	---	
	40.0	AEW	850.30	850.12	---	---	58	---	---	---	---	DISCHARGE EL @ END OF ENDWALL
	41.0	AEW	857.67	857.49	---	24	---	---	---	---	---	DISCHARGE EL @ END OF ENDWALL
	42.0	AEW	863.32	861.40	---	25	---	---	---	---	---	
	43.0	AEW	871.36	871.00	---	18	---	---	---	---	---	37' TO ADD IN STAGE 5
	44.0	AEW	871.82	871.50	---	18	---	---	---	---	---	30' TO ADD IN STAGE 5
	45.0	AEW	872.27	872.03	---	20	---	---	---	---	---	27' TO ADD IN STAGE 5
	46.0	AEW	869.32	869.01	---	26	---	---	---	---	---	36' TO ADD IN STAGE 5
	53.1	53.0	864.50	864.27	---	23	---	---	---	---	---	
	53.0	AEW	864.02	862.00	---	---	92	---	---	---	---	
				STAGE 4 SUBTOTALS	0	247	247	0	0	0	0	
5												
	34.2	34.1	821.30	821.12	---	41	---	---	---	---	---	
	34.1	34.0	821.02	820.86	---	---	44	---	---	---	---	
	34.0	33.0	820.11	819.74	---	---	---	---	117	---	---	
	35.0	34.0	821.30	821.14	---	---	16	---	---	---	---	
	36.1	36.0	825.13	824.87	---	24	---	---	---	---	---	

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STORM SEWER PIPE

STAGE	FROM STRUCTURE NUMBER	TO STRUCTURE NUMBER	INVERT ELEVATION	DISCHARGE ELEVATION	520.8000 CONCRETE COLLAR EACH	REINFORCED CONCRETE PIPE CLASS IV, STORM SEWER 608.0412 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	COMMENTS
5												
	37.0	36.0	826.30	824.62	---	---	198	---	---	---	---	
	38.0	37.0	827.52	826.70	---	103	---	---	---	---	---	
	37.1	37.0	825.42	825.23	---	---	17	---	---	---	---	
	39.0	AEW	840.24	840.00	---	24	---	---	---	---	---	DISCHARGE EL @ END OF ENDWALL
	43.0	AEW	871.36	871.00	---	37	---	---	---	---	---	DISCHARGE EL @ END OF ENDWALL
	44.0	AEW	871.82	871.50	---	30	---	---	---	---	---	DISCHARGE EL @ END OF ENDWALL
	45.0	AEW	872.27	872.03	---	27	---	---	---	---	---	DISCHARGE EL @ END OF ENDWALL
	46.0	AEW	869.32	869.01	---	36	---	---	---	---	---	DISCHARGE EL @ END OF ENDWALL
				STAGE 5 SUBTOTALS	0	257	215	0	0	0	0	
TOTALS					**0**	**2085**	**1020**	**462**	**2350**	**390**	**372**	

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CONCRETE CURB & GUTTER

STAGE	STATION	-	STATION	LOCATION	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	SPV.0090.01 CONCRETE CURB & GUTTER 24-INCH TYPE D LF	650.5500 CONSTRUCTION STAKING CURB GUTTER & CURB & GUTTER LF
1							
	151+75	-	154+50	STH 47, RT	--	294	294
	154+50	-	155+50	STH 47, RT	--	105	105
				STAGE 1 SUBTOTALS	0	399	399
2							
	82+45	-	83+16	STH 47, LT	--	89	89
	83+45	-	102+63	STH 47, LT	--	1979	1979
	102+89	-	120+63	STH 47, LT	--	1859	1859
	120+88		131+81	STH 47, LT	--	1198	1198
	132+07	-	139+99	STH 47, LT	--	853	853
	140+29	-	146+82	STH 47, LT	--	708	708
	147+16	-	151+75	STH 47, LT	--	484	484
				STAGE 2 SUBTOTALS	0	7170	7170
3							
	82+45	-	102+70	STH 47, RT	--	2041	2041
	12+28	-	14+38	WARRINGTON RD, RT	--	209	209
	103+10	-	112+02	STH 47, RT	--	941	941
	12+37	-	14+38	WARRINGTON RD, LT	--	200	200
	112+34	-	120+90	STH 47, RT	--	874	874
	120+90	-	121+00	STH 47, RT	10	--	10
	121+46	-	121+55	STH 47, RT	--	9	9
	125+53	-	125+62	STH 47, RT	9	--	9
	126+85	-	126+95	STH 47, RT	10	--	10
	126+95	-	129+90	STH 47, RT	--	325	325
	130+17	-	130+71	STH 47, RT	--	77	77
	132+19	-	151+75	STH 47, RT	--	2012	2012
				STAGE 3 SUBTOTALS	29	6688	6717
4							
	155+50	-	164+39	STH 47, RT	--	940	940
	164+91	-	171+39	STH 47, RT	--	698	698
	171+72	-	197+95	STH 47, RT	--	2644	2644
		208+56		STH 47, RT	13	--	13
		209+40		STH 47, RT	13	--	13
				STAGE 4 SUBTOTALS	26	4282	4308
5							
	155+50	-	156+60	STH 47, LT	--	112	112
	8+91	-	9+68	FAIRGROUNDS RD, RT	--	82	82
	8+91	-	9+48	FAIRGROUNDS RD, LT	--	57	57
	157+11	-	157+69	STH 47, LT	--	71	71
				STAGE 5 SUBTOTALS	0	322	322
TOTALS					**55**	**18861**	**18916**

RIPRAP

STAGE	STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY
2				
	82+41	STH 47, LT	3	---
	94+17	STH 47, LT	6	---
	96+29	STH 47, LT	15	---
	113+12	STH 47, LT	11	---
	125+49	STH 47, LT	6	---
	136+50	STH 47, LT	6	---
	139+68	STH 47, LT	11	---
	151+51	STH 47, LT	6	---
	UNDISTRIBUTED		3	0
		STAGE 2 SUBTOTALS	67	0
3				
	139+14	STH 47, RT	3	---
	140+80	STH 47, RT	3	---
	UNDISTRIBUTED		1	0
		STAGE 3 SUBTOTALS	6	0
4				
	170+74	STH 47, RT	8	---
	175+65	STH 47, RT	5	---
	176+23	STH 47, RT	22	---
	178+00	STH 47, RT	6	---
	190+37	STH 47, RT	27	---
	198+90	STH 47, RT	14	---
	UNDISTRIBUTED		5	0
		STAGE 4 SUBTOTALS	87	0
5				
	163+16	STH 47, LT	19	---
	167+68	STH 47, LT	11	---
	185+25	STH 47, LT	12	---
	188+79	STH 47, LT	12	---
	191+08	STH 47, LT	13	---
	195+57	STH 47, LT	14	---
	200+36	STH 47, LT	158	---
	209+41 - 212+32	STH 47, LT	---	980
	UNDISTRIBUTED		16	50
		STAGE 5 SUBTOTALS	255	1030
TOTALS			**415**	**1030**

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CONCRETE (CATEGORY 0020)

STAGE	STATION	-	STATION	LOCATION	416.0160 DRIVEWAY 6-INCH SY	602.0405 SIDEWALK 4-INCH 5 FT SF	602.0405 SIDEWALK 4-INCH 6 FT SF	602.1500 CONCRETE STEPS SF
1								
	151+75	-	152+07	STH 47, RT	20	0	0	---
	152+07	-	152+79	STH 47, RT	0	370	0	---
	152+79	-	153+03	STH 47, RT	35	0	0	---
	153+03	-	153+92	STH 47, RT	0	500	0	---
	154+76	-	155+50	STH 47, RT	0	490	0	---
	151+75	-	152+34	STH 47, LT	0	300	0	---
	152+34	-	154+39	STH 47, LT	0	0	1240	---
	154+39	-	155+50	STH 47, LT	0	450	0	---
	155+07	-	155+32	STH 47, LT	15	0	0	---
				STAGE 1 SUBTOTALS	70	2110	1240	0
2								---
	82+45	-	83+05	STH 47, LT	0	310	0	---
	83+53	-	86+55	STH 47, LT	0	1500	0	---
	86+55	-	86+66	STH 47, LT	20	0	0	---
	86+66	-	101+51	STH 47, LT	0	7400	0	---
	101+51	-	101+72	STH 47, LT	30	0	0	---
	101+72	-	102+49	STH 47, LT	0	400	0	---
	102+90	-	108+63	STH 47, LT	0	3200	0	---
	108+63	-	108+75	STH 47, LT	20	0	0	---
	108+75	-	112+25	STH 47, LT	0	1750	0	---
	112+25	-	112+39	STH 47, LT	20	0	0	---
	112+39	-	114+12	STH 47, LT	0	870	0	---
	112+25	-	112+39	STH 47, LT	20	0	0	---
	112+39	-	114+12	STH 47, LT	0	870	0	---
	114+12	-	114+26	STH 47, LT	20	0	0	---
	114+26	-	117+20	STH 47, LT	0	1500	0	---
	117+20	-	117+34	STH 47, LT	20	0	0	---
	117+34	-	120+22	STH 47, LT	0	1550	0	---
	9+04	-	9+34	MORRIN STREET, LT	15	0	0	---
	120+93	-	126+33	STH 47, LT	0	2700	0	---
	126+36	-	126+48	STH 47, LT	20	0	0	---
	126+48	-	127+82	STH 47, LT	0	690	0	---
	127+82	-	128+26	STH 47, LT	55	0	0	---
	128+26	-	129+27	STH 47, LT	0	520	0	---
	129+27	-	129+44	STH 47, LT	25	0	0	---
	129+44	-	137+72	STH 47, LT	0	1100	0	---
	132+41	-	136+72	STH 47, LT	0	2150	0	---
	136+72	-	139+95	STH 47, LT	0	0	2,000	---
	140+35	-	140+96	STH 47, LT	0	0	330	---
	140+96	-	142+05	STH 47, LT	0	550	0	---
	142+05	-	142+26	STH 47, LT	30	0	0	---
	142+26	-	143+55	STH 47, LT	0	650	0	---
	143+55	-	143+64	STH 47, LT	15	0	0	---
	143+64	-	145+37	STH 47, LT	55	0	0	---
	145+37	-	146+00	STH 47, LT	0	320	0	---
	146+00	-	146+79	STH 47, LT	0	420	0	---
	147+33	-	148+61	STH 47, LT	0	700	0	---
	148+61	-	148+82	STH 47, LT	30	0	0	---
	148+82	-	149+54	STH 47, LT	0	340	0	---
	149+54	-	149+67	STH 47, LT	20	0	0	---
	149+67	-	149+89	STH 47, LT	0	105	0	---
	149+89	-	150+00	STH 47, LT	20	0	0	---
	150+00	-	150+24	STH 47, LT	0	120	0	---
	150+24	-	150+46	STH 47, LT	30	0	0	---
	150+46	-	151+75	STH 47, LT	0	650	0	---
				STAGE 2 SUBTOTALS	445	29495	2330	0
3								---
	82+45	-	84+62	STH 47, RT	0	1150	0	---
	84+62	-	84+97	STH 47, RT	45	0	0	---
	84+97	-	87+67	STH 47, RT	0	1400	0	---
	87+67	-	87+82	STH 47, RT	20	0	0	---
	87+82	-	91+31	STH 47, RT	0	1750	0	---
	91+31	-	91+43	STH 47, RT	20	0	0	---
	91+43	-	92+15	STH 47, RT	0	360	0	---
	92+15	-	92+41	STH 47, RT	15	0	0	---
	92+41	-	94+95	STH 47, RT	0	1300	0	---
	94+95	-	95+21	STH 47, RT	35	0	0	---
	95+21	-	96+76	STH 47, RT	0	780	0	---
	96+76	-	96+85	STH 47, RT	15	0	0	---
	96+85	-	102+58	STH 47, RT	0	2950	0	---
	103+22	-	106+78	STH 47, RT	0	1950	0	---
	106+78	-	107+14	STH 47, RT	45	0	0	---
	107+14	-	110+53	STH 47, RT	0	1800	0	---
	110+53	-	110+86	STH 47, RT	45	0	0	---
	110+86	-	111+21	STH 47, RT	0	170	0	---
	111+21	-	111+44	STH 47, RT	30	0	0	---
	111+44	-	111+90	STH 47, RT	0	220	0	---
	112+51	-	114+79	STH 47, RT	0	1150	0	---
	114+79	-	114+93	STH 47, RT	20	0	0	---
	114+93	-	116+20	STH 47, RT	0	640	0	---
	116+20	-	116+36	STH 47, RT	25	0	0	---
	116+36	-	116+71	STH 47, RT	0	180	0	---
	116+71	-	116+81	STH 47, RT	20	0	0	---
	116+81	-	117+75	STH 47, RT	0	470	0	---
	117+75	-	117+85	STH 47, RT	15	0	0	---
	117+85	-	118+96	STH 47, RT	0	560	0	---
	118+96	-	119+06	STH 47, RT	15	0	0	---
	119+06	-	121+00	STH 47, RT	0	1000	0	---
	121+48	-	121+53	STH 47, RT, CROSSWALK	0	25	0	---
	125+60	-	125+65	STH 47, RT, CROSSWALK	0	30	0	---
	126+85	-	128+52	STH 47, RT	0	880	0	---
	128+52	-	128+75	STH 47, RT	30	0	0	---

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CONCRETE (CATEGORY 0020)

STAGE	STATION	-	STATION	LOCATION	416.0160 DRIVEWAY 6-INCH SY	602.0405 SIDEWALK 4-INCH 5 FT SF	602.0405 SIDEWALK 4-INCH 6 FT SF	602.1500 CONCRETE STEPS SF	CATEGORY
3	128+75	-	129+76	STH 47, RT	0	500	0	---	
	130+23	-	131+83	STH 47, RT	0	950	0	---	
	132+20	-	136+72	STH 47, RT	0	2550	0	---	
	136+72	-	140+96	STH 47, RT	0	0	2,550	---	
	140+96	-	144+48	STH 47, RT	0	1800	0	---	
	144+48	-	144+72	STH 47, RT	35	0	0	---	
	144+72	-	146+00	STH 47, RT	0	680	0	---	
	146+00	-	151+56	STH 47, RT	0	2900	0	---	
	151+56	-	151+75	STH 47, RT	25	0	0	---	
				STAGE 3 SUBTOTALS	455	28145	2550	0	
4									
	155+50	-	158+00	STH 47, RT	0	1300	0	---	
	158+00	-	164+41	STH 47, RT	0	3300	0	---	
	165+02	-	168+00	STH 47, RT	0	1500	0	---	
	168+00	-	170+69	STH 47, RT	0	0	1,650	---	
	170+69	-	171+24	STH 47, RT	0	270	0	---	
	171+86	-	173+52	STH 47, RT	0	820	0	---	
	173+52	-	173+69	STH 47, RT	25	0	0	---	
	173+69	-	174+34	STH 47, RT	0	330	0	---	
	174+34	-	174+46	STH 47, RT	20	0	0	---	
	174+46	-	175+15	STH 47, RT	0	360	0	---	
	175+15	-	177+95	STH 47, RT	0	0	1,700	---	
	177+95	-	178+72	STH 47, RT	0	390	0	---	
	178+72	-	178+96	STH 47, RT	35	0	0	---	
	178+96	-	179+86	STH 47, RT	0	450	0	---	
	179+86	-	180+07	STH 47, RT	30	0	0	---	
	180+07	-	180+48	STH 47, RT	0	210	0	---	
	180+48	-	180+61	STH 47, RT	20	0	0	---	
	180+61	-	181+23	STH 47, RT	0	320	0	---	
	181+23	-	181+41	STH 47, RT	25	0	0	---	
	181+41	-	186+43	STH 47, RT	0	2550	0	---	
	186+43	-	186+69	STH 47, RT	35	0	0	---	
	186+69	-	192+06	STH 47, RT	0	2700	0	---	
	192+06	-	195+32	STH 47, RT	0	0	2,000	---	
	195+32	-	198+00	STH 47, RT	0	1450	0	---	
	198+00	-	204+84	STH 47, RT	0	3450	0	---	0070
	204+84	-	205+08	STH 47, RT	15	0	0	---	0070
	205+08	-	208+57	STH 47, RT	0	1750	0	---	0070
	209+40	-	212+53	STH 47, RT	0	1550	0	---	0070
	215+65	-	220+10	STH 47, RT	0	2200	0	---	0070
				STAGE 4 SUBTOTALS	205	24900	5350	0	
5									
	155+50	-	156+63	STH 47, LT	0	670	0	---	
	157+30	-	157+44	STH 47, LT	0	50	0	---	
				STAGE 5 SUBTOTALS	0	720	0	0	
	UNDISTRIBUTED				---	---	---	80	
CATEGORY 0020 TOTALS					**1160**	**76420**	**11470**	**80**	
CATEGORY 0070 TOTALS					**15**	**8950**	**0**	**0**	

CURB RAMP DETECTABLE WARNING FIELD YELLOW

STAGE	STATION	LOCATION	602.0505 SF	602.0605 RADIAL SF	CATEGORY
1					
	154+03	RT	---	20.2	0020
	154+83	RT	---	18.4	0020
	STAGE 1 SUBTOTALS		0	38.6	
2					
	82+89	LT	10	---	0020
	83+01	LT	---	15.3	0020
	83+56	LT	---	16.3	0020
	102+23	LT	10	---	0020
	102+45	LT	---	17.4	0020
	103+11	LT	---	17.1	0020
	103+40	LT	10	---	0020
	120+07	LT	10	---	0020
	120+33	LT	---	17.4	0020
	120+96	LT	---	17.8	0020
	125+63	LT	10	---	0020
	126+88	LT	10	---	0020
	131+68	LT	---	17.7	0020
	132+46	LT	---	21.8	0020
	139+93	LT	10	---	0020
	140+42	LT	10	---	0020
	146+76	LT	---	15.2	0020
	147+50	LT	---	18.1	0020
	STAGE 2 SUBTOTALS		80	174.1	
3					
	82+89	RT	10	---	0020
	102+23	RT	10	---	0020
	102+55	RT	---	17.4	0020
	103+28	RT	---	19	0020
	103+40	RT	10	---	0020
	111+87	RT	---	17.4	0020
	112+60	RT	---	29.5	0020
	120+07	RT	10	---	0020
	125+63	RT	10	---	0020
	126+88	RT	10	---	0020
	129+72	RT	---	18.5	0020
	130+36	RT	---	18.1	0020
	131+79	RT	---	17.5	0020
	132+42	RT	---	18.1	0020
	STAGE 3 SUBTOTALS		60	155.5	

STAGE	STATION	LOCATION	602.0505 SF	602.0605 RADIAL SF	CATEGORY
4					
	164+38	RT	---	15.3	0020
	165+05	RT	---	17.3	0020
	171+21	RT	---	18.4	0020
	171+90	RT	---	18.4	0020
	208+50	RT	---	16.8	0070
	209+38	RT	---	15.8	0070
	220+10	RT	---	21.2	0070
	STAGE 4 SUBTOTALS		0	123.2	
5					
	156+49	LT	---	19.4	0020
	157+34	LT	---	21.2	0020
	STAGE 5 SUBTOTALS		0	40.6	
CATEGORY 0020 TOTALS			140	478.2	**0020**
CATEGORY 0070 TOTALS			0	53.8	**0070**
TOTALS			**140**	**532.0**	

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

ALL ITEMS ARE PROJECT ID **9650-17-70** UNLESS OTHERWISE SPECIFIED.

CONCRETE SURFACE DRAINS

PROJECT	STRUCTURE	STATION	OFFSET	415.0410 PAVEMENT APPROACH SLAB SY	416.0610 DRILLED TIE BARS EACH	416.1010 CONCRETE SURFACE DRAINS CY	521.1012 APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH EACH	611.0654 INLET COVERS TYPE V EACH	611.3220 INLETS 2X2 - FT EACH	612.0212 PIPE UNDERDRAIN UNPERFORATED 12-INCH LF	628.7020 INLET PROTECTION TYPE D EACH	645.0120 GEOTEXTILE TYPE HR SY	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
9650-17-61	B-73-0004												
		212+12 - 212+49		105									
		215+45	RT		6	2.5	1	1	1	23	1	6	1
		215+26	LT		7	3	1	1	1	27	1	6	1
		215+28 - 215+66		105	---	---	---	---	---	---	---	---	---
TOTALS				**209**	**13**	**5.5**	**2**	**2**	**2**	**50**	**2**	**12**	**2**

CULVERT PIPES

STAGE	STATION	LOCATION	NUMBER OF CULVERTS	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24-INCH EACH	520.1030 APRON ENDWALLS FOR CULVERT PIPE 30-INCH EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE 36-INCH EACH	520.3324 CULVERT PIPE CLASS III A 24-INCH LF	520.3330 CULVERT PIPE CLASS III A 30-INCH LF	520.3336 CULVERT PIPE CLASS III A 36-INCH LF	521.1018 APRON ENDWALL FOR CULVERT PIPE STEEL 18-INCH EACH	521.3118 CULVERT PIPE CORRUGATED STEEL 18-INCH LF	633.5200 MARKERS CULVERT END EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH
2	139+66	STH 47, CROSS	1	---	2	---	---	77	---	---	---	2	1
3	132+10	STH 47, RT	1	2	---	---	49	---	---	---	---	2	1
4	175+75	STH 47, CROSS	1	2	---	---	122	---	---	---	---	2	1
4	180+00	STH 47, RT	1	---	---	---	---	---	---	2	45	2	1
4	180+54	STH 47, RT	1	---	---	---	---	---	---	2	25	2	1
4	181+33	STH 47, RT	1	---	---	---	---	---	---	2	25	2	1
4	189+78	STH 47, CROSS	1	2	---	---	118	---	---	---	---	2	1
4	200+35	STH 47, CROSS	1	---	---	2	---	---	112	---	---	2	1
TOTALS				**6**	**2**	**2**	**289**	**77**	**112**	**6**	**95**	**16**	**8**

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

ALL ITEMS ARE PROJECT ID **9650-17-70** UNLESS OTHERWISE SPECIFIED.

EROSION CONTROL

STAGE	STATION	-	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7555 CULVERT PIPE CHECKS EACH	CATEGORY
2								
	87+21	-	93+02	LT	586	147	---	0020
	113+21	-	114+11	LT	108	27	---	0020
	14+28	-	117+20	LT	309	77	---	0020
	117+34	-	119+02	LT	172	43	---	0020
	122+34	-	125+44	LT	320	80	---	0020
		125+49		LT	---	---	1	0020
	125+54	-	126+37	LT	93	23	---	0020
	126+49	-	127+03	LT	55	14	---	0020
	135+37	-	138+50	LT	203	51	---	0020
	140+42	-	140+88	LT	66	17	---	0020
	UNDISTRIBUTED				191	48	1	0020
			STAGE 2 SUBTOTALS		2103	526	2	
3								
	82+45	-	84+61	RT	225	56	---	0020
		113+07		RT	---	---	1	0020
		131+76		RT	---	---	1	0020
	135+50	-	141+50	RT	626	157	---	0020
		139+65		RT	---	---	1	0020
	143+25	-	144+25	RT	101	25	---	0020
			STAGE 3 SUBTOTALS		952	238	3	
4								
	174+75	-	178+25	RT	410	103	---	0020
		179+11		RT	---	---	1	0020
		180+25		RT	---	---	1	0020
		180+72		RT	---	---	1	0020
		181+52		RT	---	---	1	0020
		200+38		RT	---	---	1	0020
	209+38	-	212+62	RT	365	91	---	0070
	215+45	-	220+15	RT	500	125	---	0070
			STAGE 4 SUBTOTALS		1275	319	5	
5								
	157+24	-	163+08	LT	606	152	---	0020
	164+37	-	166+11	LT	192	48	---	0020
	170+25	-	171+26	LT	112	28	---	0020
		175+74		LT	---	---	1	0020
	175+79	-	177+00	LT	123	31	---	0020
	182+25	-	192+20	LT	1072	268	---	0020
	194+66	-	196+52	LT	219	55	---	0020
	197+26	-	205+00	LT	822	206	---	0020
	205+00	-	208+00	LT	320	80	---	0070
	215+23	-	219+79	LT	492	123	---	0070
			STAGE 5 SUBTOTALS		4586	1618	630	
CATEGORY 0020 TOTALS					7239	2281	640	**0020**
CATEGORY 0070 TOTALS					1677	419	---	**0070**
TOTALS					**8916**	**2700**	**640**	

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

ALL ITEMS ARE PROJECT ID **9650-17-70** UNLESS OTHERWISE SPECIFIED.

EROSION CONTROL

STAGE	STATION	- STATION	LOCATION	625.0100 TOPSOIL SY	628.2002 EROSION MAT CLASS I TYPE A SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	631.0300 SOD WATER MGAL	CATEGORY
1											
	152+07	153+98	STH 47, RT	100	0	100	0.06	1.7	0.0	0.2	0010
	152+07	154+28	STH 47, RT	310	310	0	0.20	0.0	8.3	0.8	0010
	153+03	154+06	STH 47, RT	110	110	0	0.07	0.0	2.8	0.3	0010
	10+37	11+34	CTH VV (S), RT	140	0	140	0.09	2.4	0.0	0.3	0010
	10+28	11+34	CTH VV (S), LT	50	0	50	0.03	0.9	0.0	0.1	0010
	154+76	155+50	STH 47, RT	60	60	0	0.04	0.0	1.6	0.1	0010
	154+87	155+50	STH 47, RT	40	0	40	0.03	0.6	0.0	0.1	0010
	151+75	152+37	STH 47, LT	90	70	30	0.06	0.4	1.7	0.2	0010
	154+38	155+08	STH 47, LT	100	80	30	0.06	0.4	1.9	0.2	0010
	155+32	155+50	STH 47, LT	30	20	10	0.02	0.2	0.5	0.1	0010
	UNDISTRIBUTED			206	130	80	0.1	1.3	3.4	0.5	0010
			STAGE 1 SUBTOTALS	1236	780	480	0.78	7.9	20.3	3	
2											
	82+45	83+20	STH 47, LT	130	110	30	0.08	0.4	2.8	0.3	0010
	83+43	102+41	STH 47, LT	3920	2810	1120	2.47	20.1	75.6	9.8	0010
	10+98	11+44	WARRINGTON RD, RT	50	0	50	0.03	0.8	0.0	0.1	0010
	10+98	11+49	WARRINGTON RD, LT	80	40	40	0.05	0.7	1.1	0.2	0010
	102+87	114+11	STH 47, LT	2250	1610	640	1.42	11.5	43.4	5.6	0010
	114+28	120+62	STH 47, LT	920	570	350	0.58	6.3	15.2	2.3	0010
	120+80	131+84	STH 47, LT	1710	1130	580	1.08	10.4	30.4	4.3	0010
	132+07	136+72	STH 47, LT	240	0	240	0.15	4.2	0.0	0.6	0010
	132+07	140+00	STH 47, LT	1410	1410	0	0.89	0.0	37.9	3.5	0010
	140+23	146+86	STH 47, LT	810	530	280	0.51	5.0	14.3	2.0	0010
	147+16	152+37	STH 47, LT	760	560	200	0.48	3.6	14.9	1.9	0010
	UNDISTRIBUTED			2456	1754	706	1.55	12.6	47.1	6	0010
			STAGE 2 SUBTOTALS	14736	10524	4236	9.28	75.5	282.7	37	
3											
	82+45	102+62	STH 47, RT	5040	3920	1130	3.18	20.2	105.6	12.6	0010
	12+15	14+38	WARRINGTON RD, RT	80	0	80	0.05	1.4	0.0	0.2	0010
	12+06	14+38	WARRINGTON RD, LT	140	0	140	0.09	2.3	0.0	0.3	0010
	103+27	112+03	STH 47, RT	1360	920	450	0.86	7.9	24.7	3.4	0010
	112+27	121+00	STH 47, RT	990	570	430	0.62	7.6	15.1	2.5	0010
	126+85	129+89	STH 47, RT	440	280	160	0.28	2.8	7.5	1.1	0010
	130+18	131+76	STH 47, RT	210	120	100	0.13	1.6	3.2	0.5	0010
	132+20	151+83	STH 47, RT	2970	2100	870	1.87	15.5	56.7	7.4	0010
	UNDISTRIBUTED			2246	1582	672	1.41	11.9	42.6	6	0010
			STAGE 3 SUBTOTALS	13476	9492	4032	8.49	71.4	255.4	34	

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EROSION CONTROL

STAGE	STATION	-	STATION	LOCATION	625.0100 TOPSOIL SY	628.2002 EROSION MAT CLASS I TYPE A SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0140 SEEDING MIXTURE NO. 40 LB	631.0300 SOD WATER MGAL	CATEGORY
4												
	155+50		164+48	STH 47, RT	1110	570	540	0.70	9.7	15.3	2.8	0010
	165+09		171+17	STH 47, RT	1010	840	180	0.64	3.1	22.5	2.5	0010
	171+93		175+15	STH 47, RT	160	0	160	0.10	2.7	0.0	0.4	0010
	174+75		198+00	STH 47, RT	2790	2790	0	1.76	0.0	75.1	7.0	0010
	175+95		198+00	STH 47, RT	890	0	890	0.56	16.0	0.0	2.2	0010
	198+00		202+14	STH 47, RT	850	850	0	0.54	0.0	22.8	2.1	0010
	198+00		212+52	STH 47, RT	870	870	0	0.55	0.0	23.3	2.2	0070
	216+26		220+02	STH 47, RT	350	350	0	0.22	0.0	9.3	0.9	0070
	UNDISTRIBUTED				1606	1254	354	1.01	6.3	33.6	4	0010
				STAGE 4 SUBTOTALS	9636	7524	2124	6.07	37.8	201.9	24	
5												
	155+50		156+71	STH 47, LT	190	110	80	0.12	1.3	2.9	0.5	0010
	157+10		157+75	STH 47, LT	80	0	80	0.05	1.3	0.0	0.2	0010
	162+88		163+38	STH 47, LT	250	250	0	0.16	0.0	6.7	0.6	0010
	168+78		171+94	STH 47, LT	560	560	0	0.35	0.0	15.1	1.4	0010
	175+12		191+36	STH 47, LT	1830	1830	0	1.15	0.0	49.2	4.6	0010
	195+62		202+14	STH 47, LT	1220	1220	0	0.77	0.0	32.9	3.0	0010
	203+44		208+32	STH 47, LT	230	230	0	0.14	0.0	6.0	0.6	0070
	215+23		217+38	STH 47, LT	120	120	0	0.08	0.0	3.1	0.3	0070
	UNDISTRIBUTED				896	860	68	0.55	0.7	24.1	6	0010
				STAGE 5 SUBTOTALS	5376	5180	228	3.38	3.4	139.8	17	
CATEGORY 0010 TOTALS					42890	31930	11100	27.01	196.0	858.4	111	**0010**
CATEGORY 0070 TOTALS					1570	1570	0	0.99	0.0	41.6	4	**0070**
TOTALS					**44460**	**33500**	**11100**	**28.00**	**196.0**	**900.0**	**115**	

FIELD OFFICE

PROJECT	642.5001 TYPE B EACH
9650-17-70	1
TOTAL	1

CONSTRUCTION STAKING

STATION	-	STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.8000 RESURFACING REFERENCE LF	650.9910 SUPPLEMENTAL CONTROL LS	650.9920 SLOPE STAKES LF
			PROJECT (9650-17-70)	---	---	---	1	---
82+45	-	146+00	STH 47	6355	6355	6355	---	6355
146+00	-	157+63	STH 47	1163	1163	---	---	1163
157+63	-	212+12	STH 47	5449	5449	5449	---	5449
215+66	-	221+50	STH 47	584	584	584	---	584
10+98	-	11+33	WARRINGTON RD	35	35	35	---	35
12+15	-	14+38	WARRINGTON RD	223	223	223	---	223
10+37	-	11+34	CTH VV (S)	97	97	97	---	97
10+46	-	11+20	RABBIT RIDGE RD	74	74	74	---	74
TOTALS				**13980**	**13980**	**12817**	**1**	**13980**

EXCAVATION BELOW SUBGRADE

STAGE	STATION	-	STATION	LOCATION	311.0115 BREAKER RUN CY	645.0220 GEOGRID TYPE SR SY
	UNDISTRIBUTED			STH 47	4800	7,300
TOTAL					**4,800**	**7,300**

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INSULATION BOARD (CATEGORY 0050)

STAGE	BEGIN STATION		END STATION	LOCATION	(CAT 0050) 612.0902.S INSULATION BOARD POLYSTYRENE 2-INCH SY
1					
	154+08	-	154+38	STH 47, LT	13.4
	154+69	-	154+75	STH 47, LT	3.6
				STAGE 1 SUBTOTAL	17.0
2					
	82+73	-	82+78	STH 47, LT	3.6
	103+20	-	103+25	STH 47, LT	4.9
	103+26	-	103+33	STH 47, LT	3.6
	113+07	-	113+15	STH 47, LT	3.6
	120+37	-	120+41	STH 47, LT	3.6
	120+80	-	120+88	STH 47, LT	3.6
	125+50	-	125+58	STH 47, LT	3.6
	131+81	-	131+89	STH 47, LT	3.6
	132+01	-	132+09	STH 47, LT	3.6
	135+79	-	135+84	STH 47, LT	3.6
	136+45	-	136+54	STH 47, LT	7.1
	139+63	-	139+70	STH 47, LT	3.6
	9+37	-	9+45	TRIBAL OFFICE LOOP RD N, RT	3.6
	9+37	-	3+45	TRIBAL OFFICE LOOP RD N, LT	3.6
	146+97	-	147+04	STH 47, LT	3.6
	147+18	-	147+22	STH 47, LT	3.6
	147+42	-	147+51	STH 47, LT	3.6
	147+42	-	148+59	STH 47, LT	7.1
	149+07	-	149+12	STH 47, LT	3.6
	149+24	-	149+33	STH 47, LT	3.6
	151+46	-	151+54	STH 47, LT	3.6
				STAGE 2 SUBTOTAL	83.1
3					
	97+16	-	97+24	STH 47, RT	3.6
	103+12	-	103+18	STH 47, RT	7.1
	103+24	-	103+49	STH 47, RT	8.9
	107+60	-	109+75	STH 47, RT	95.2
	112+06	-	112+09	STH 47, RT	3.6
	112+97	-	113+15	STH 47, RT	7.1
	116+46	-	116+54	STH 47, RT	3.6
	123+54	-	123+62	STH 47, RT	3.6
	125+52	-	125+60	STH 47, RT	3.6
	127+96	-	128+04	STH 47, RT	3.6
	139+12	-	139+20	STH 47, RT	3.6
	139+61	-	139+70	STH 47, RT	3.6
	140+76	-	140+84	STH 47, RT	3.6
				STAGE 3 SUBTOTAL	150.3

STAGE	BEGIN STATION		END STATION	LOCATION	612.0902.S INSULATION BOARD POLYSTYRENE 2-INCH SY
4					
	165+08	-	165+16	STH 47, RT	3.6
	171+39	-	171+45	STH 47, RT	3.6
	171+52	-	171+55	STH 47, RT	3.6
				STAGE 4 SUBTOTAL	10.7
5					
	156+70	-	156+62	STH 47, LT	3.6
	163+11	-	163+19	STH 47, LT	3.6
	185+21	-	185+29	STH 47, LT	3.6
	188+76	-	188+84	STH 47, LT	3.6
	189+48	-	189+56	STH 47, LT	3.6
	191+10	-	191+18	STH 47, LT	3.6
	195+51	-	195+59	STH 47, LT	3.6
				STAGE 5 SUBTOTAL	24.9
TOTALS					**286**

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WATER MAIN (CATEGORY 0050)

STAGE	STATION	LOCATION	SPV.0060.06 REMOVING WATER MAIN VALVE & VALVE BOX EACH	SPV.0060.07 CAP WATER MAIN TO REMAIN IN SERVICE EACH	SPV.0060.08 ABANDONING WATER MAIN VALVE BOX EACH	SPV.0060.09 SALVAGE HYDRANT EACH	SPV.0060.10 ADJUSTING WATER MAIN VALVE BOX EACH	SPV.0060.11 ADJUSTING HYDRANT EACH	SPV.0060.12 WATER MAIN GATE VALVE & BOX 6-INCH EACH	SPV.0060.13 TRACER WIRE ACCESS BOX EACH	SPV.0060.14 WATER MAIN COUPLING 6-INCH EACH	SPV.0060.15 WATER MAIN BEND 45° 6-INCH EACH	SPV.0060.16 WATER MAIN TAPPING SLEEVE 6 X 6-INCH EACH	SPV.0090.02 WATER MAIN 6-INCH LF
1														
	154+67	RT	---	---	1	---	---	---	---	---	---	---	---	---
	154+83	RT	---	---	---	---	1	---	---	---	---	---	---	---
	155+27	RT	---	---	1	---	---	---	---	---	---	---	---	---
	155+31	RT	---	---	1	---	---	---	---	---	---	---	---	---
	155+34	RT	---	---	1	---	---	---	---	---	---	---	---	---
	STAGE 1 SUBTOTALS		0	0	4	0	1	0	0	0	0	0	0	0
2														
	103+22	LT	---	---	---	---	---	---	---	---	---	4	---	---
	STAGE 2 SUBTOTALS		0	0	0	0	0	0	0	0	0	4	0	0
3														
	103+26	RT	---	---	---	---	1	---	---	---	---	---	---	---
	103+29	RT	---	1	---	1	---	---	1	1	---	---	1	5
	103+34	RT	1	---	---	---	---	---	---	---	---	---	---	---
	103+39	RT	---	---	---	---	---	---	1	---	---	---	---	---
	103+41	RT	---	---	---	---	---	---	---	---	---	1	---	---
	103+42	RT	---	---	---	---	---	---	---	---	---	1	---	---
	103+47	RT	---	---	---	---	---	---	---	---	---	1	---	---
	103+49	RT	---	---	---	---	---	---	---	---	---	1	---	---
	103+41 - 103+49	RT	---	---	---	---	---	---	---	---	---	---	---	11
	109+55	RT	---	---	---	---	1	---	---	---	---	---	---	---
	109+61	RT	---	---	---	1	---	---	1	1	1	---	---	5
	112+19	RT	---	---	---	---	1	---	---	---	---	---	---	---
	114+15	RT	1	---	---	1	---	---	1	1	---	---	---	---
	117+65	RT	---	---	---	---	1	---	---	---	---	---	---	---
	120+31	RT	---	---	---	---	1	---	---	---	---	---	---	---
	126+00	RT	---	---	---	---	1	---	---	---	---	---	---	---
	126+06	RT	---	---	---	---	1	---	---	---	---	---	---	---
	126+65	RT	---	---	---	---	1	---	---	---	---	---	---	---
	131+82	RT	---	---	---	---	1	---	---	---	---	---	---	---
	131+86	RT	---	---	---	---	1	---	---	---	---	---	---	---
	131+91	RT	---	---	---	---	1	---	---	---	---	---	---	---
	141+15	RT	---	---	---	---	1	---	---	---	---	---	---	---
	141+20	RT	---	---	---	---	---	1	---	---	---	---	---	---
	147+07	RT	---	---	1	---	---	---	---	---	---	---	---	---
	147+14	RT	---	---	---	---	1	---	---	---	---	---	---	---
	147+17	RT	---	---	---	---	1	---	---	---	---	---	---	---
	147+19	RT	---	---	---	---	1	---	---	---	---	---	---	---
	147+22	RT	---	---	---	---	1	---	---	---	---	---	---	---
	147+24	RT	---	---	1	---	---	---	---	---	---	---	---	---
	147+31	RT	---	---	1	---	---	---	---	---	---	---	---	---
	151+39	RT	---	---	---	---	1	1	---	---	---	---	---	---
	STAGE 3 SUBTOTALS		2	1	3	3	17	2	4	3	1	4	1	21

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

ALL ITEMS ARE PROJECT ID **9650-17-70** UNLESS OTHERWISE SPECIFIED.

WATER MAIN (CATEGORY 0050)

STAGE	STATION	LOCATION	SPV.0060.06 REMOVING WATER MAIN VALVE & VALVE BOX EACH	SPV.0060.07 CAP WATER MAIN TO REMAIN IN SERVICE EACH	SPV.0060.08 ABANDONING WATER MAIN VALVE BOX EACH	SPV.0060.09 SALVAGE HYDRANT EACH	SPV.0060.10 ADJUSTING WATER MAIN VALVE BOX EACH	SPV.0060.11 ADJUSTING HYDRANT EACH	SPV.0060.12 WATER MAIN GATE VALVE & BOX 6-INCH EACH	SPV.0060.13 TRACER WIRE ACCESS BOX EACH	SPV.0060.14 WATER MAIN COUPLING 6-INCH EACH	SPV.0060.15 WATER MAIN BEND 45° 6-INCH EACH	SPV.0060.16 WATER MAIN TAPPING SLEEVE 6 X 6-INCH EACH	SPV.0090.02 WATER MAIN 6-INCH LF
4														
	155+91	RT	---	---	---	---	1	---	---	---	---	---	---	---
	155+93	RT	---	---	---	---	---	1	---	---	---	---	---	---
	161+72	RT	---	---	---	---	1	---	---	---	---	---	---	---
	161+75	RT	---	---	---	---	---	1	---	---	---	---	---	---
	165+23	RT	---	---	1	---	---	---	---	---	---	---	---	---
	STAGE 4 SUBTOTALS		0	0	1	0	2	2	0	0	0	0	0	0
5														
	185+21 - 185+29	LT	---	---	---	---	---	---	---	---	---	4	---	8
	186+08	LT	---	---	---	---	1	---	---	---	---	---	---	---
	190+10	LT	---	---	---	---	1	---	---	---	---	---	---	---
	194+76	LT	---	---	---	---	---	1	---	---	---	---	---	---
	195+85	LT	---	---	---	---	1	---	---	---	---	---	---	---
	STAGE 5 SUBTOTALS		0	0	0	0	3	1	0	0	0	4	0	8
TOTALS			**2**	**1**	**8**	**3**	**23**	**5**	**4**	**3**	**1**	**12**	**1**	**29**

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

ALL ITEMS ARE PROJECT ID **9650-17-70** UNLESS OTHERWISE SPECIFIED.

SANITARY MANHOLES (CATEGORY 0050)

STAGE	STATION	LOCATION	611.0420 RECONSTRUCTING MANHOLES EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8120.S COVER PLATES TEMPORARY EACH	SPV.0060.05 SANITARY CHIMNEY SEALS EACH
1						
	154+03	LT	---	1	1	1
	154+76	LT	---	1	1	1
	STAGE 1 SUBTOTALS		0	2	2	2
2						
	83+45	LT	---	1	1	1
	109+48	LT	1	---	1	1
	112+09	LT	1	---	1	1
	113+48	LT	1	---	1	1
	117+48	LT	1	---	1	1
	121+51	LT	---	1	1	1
	125+44	LT	---	1	1	1
	126+20	LT	---	1	1	1
	127+89	LT	1	---	1	1
	130+36	LT	1	---	1	1
	132+37	LT	---	1	1	1
	132+93	LT	---	1	1	1
	135+78	LT	1	---	1	1
	139+98	LT	---	1	1	1
	140+32	LT	---	1	1	1
	147+05	LT	---	1	1	1
	149+10	LT	---	1	1	1
	151+07	LT	1	---	1	1
	152+90	LT	---	1	1	1
	STAGE 2 SUBTOTALS		8	11	19	19
3						
	83+38	RT	---	1	1	1
	87+37	RT	1	---	1	1
	91+12	RT	1	---	1	1
	103+16	RT	---	1	1	1
	STAGE 3 SUBTOTALS		2	2	4	4
4						
	171+43	RT	---	1	1	1
	179+88	RT	---	1	1	1
	182+84	RT	1	---	1	1
	186+40	RT	---	1	1	1
	STAGE 4 SUBTOTALS		1	3	4	4
5						
	161+53	LT	---	1	1	1
	165+12	LT	1	---	1	1
	179+97	LT	---	1	1	1
	STAGE 5 SUBTOTALS		1	2	3	3
TOTALS			**12**	**20**	**32**	**32**

TEMPORARY TRAFFIC SIGNALS

STAGE	PROJECT	LOCATION	661.0100 LS	CATEGORY
1	9650-17-70	C-73-4	1	0060
1	9650-17-61	STRUCTURE B-73-0004	1	0020
4	9650-17-70	CULVERT @ STA 175+75	1	0010
4	9650-17-70	CULVERT @ STA 200+35	1	0010
TOTALS			**4**	

LANE SHIFT

STAGE	LOCATION	SPV.0060.04 LANE SHIFT EACH	CATEGORY
1	C-73-4	1	0060
2	CULVERT @ STA 139+67	1	0010
4	CULVERT @ STA 175+75	1	0010
4	CULVERT @ STA 200+35	2	0010
TOTALS		**5**	

ALL ITEMS ARE CATEGORY **0010** UNLESS OTHERWISE SPECIFIED.

ALL ITEMS ARE PROJECT ID **9650-17-70** UNLESS OTHERWISE SPECIFIED.

PULL BOXES

STAGE	PULL BOX NO.	** LOCATION	653.0164 PULL BOXES NON-CONDUCTIVE 24x42-INCH EACH	CATEGORY #
2				
	PB1	103+00, 46' LT	1	0030
	PB2	102+51, 46' LT	1	0030
	PB5	103+10, 32' LT	1	0030
	PB6	103+28, 21' LT	1	0030
	STAGE 2 SUBTOTAL CATEGORY 0030		4	
3				
	PB3	102+50, 32' RT	1	0030
	PB4	103+17, 46' RT	1	0030
	PB7	103+28, 31' RT	1	0030
	PB8	111+87, 34' RT	1	0030
	PB9	112+47, 44' RT	1	0030
	PB10	125+85, 32 RT	1	0030
	PB11	126+50, 43' RT	1	0030
	PB12	129+83, 51 RT	1	0030
	PB13	130+37, 42' RT	1	0030
	PB14	131+78, 34' RT	1	0030
	PB15	132+41, 48' RT	1	0030
	PB16	139+57, 31' RT	1	0030
	PB17	140+02, 30' RT	1	0030
	STAGE 3 SUBTOTAL CATEGORY 0030		13	
4				
	PB18	164+25, 33' RT	1	0030
	PB19	165+05, 33' RT	1	0030
	PB20	171+24, 35' RT	1	0030
	PB21	171+89, 34' RT	1	0030
	PB22	178+44, 33' RT	1	0030
	PB23	178+52, 21' RT	1	0030
	PB24	207+97, 52' RT	1	0070
	PB25	208+39, 54' RT	1	0070
	PB26	209+44, 42' RT	1	0070
	PB27	219+89, 38' RT	1	0070
	PB28	220+15, 40' RT	1	0070
	PB29	220+78, 40' RT	1	0070
	PB30	220+79, 38' LT	1	0070
	STAGE 4 SUBTOTAL CATEGORY 0030		6	
	STAGE 4 SUBTOTAL CATEGORY 0070		7	
	PROJECT 9650-10-70 TOTAL CATEGORY 0030		23	
	PROJECT 9650-10-70 TOTAL CATEGORY 0070		7	

ELECTRICAL SERVICE

STAGE	CONTROL CABINET NO.	** LOCATION	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL L.S.	656.0200.02 ELECTRICAL SERVICE METER BREAKER PEDESTAL L.S.	656.0200.03 ELECTRICAL SERVICE METER BREAKER PEDESTAL L.S.	656.0200.04 ELECTRICAL SERVICE METER BREAKER PEDESTAL L.S.	656.0200.05 ELECTRICAL SERVICE METER BREAKER PEDESTAL L.S.	CATEGORY #
2								
	CB1	STH 47 & WARRINGTON RD	1					0030
		STAGE 2 SUBTOTAL CATEGORY 0030	1	0	0	0		
3								
	CB2	STH 47 & TRIBAL OFFICE LOOP		1				0030
		STAGE 3 SUBTOTAL CATEGORY 0030	0	1	0	0		
4								
	CB3	STH 47 & LYONS RD			1			0030
	CB4	STH 47 & STH 55				1		0070
	CB5	STH 47 & WOLF RIVER DR					1	0070
		STAGE 4 SUBTOTAL CATEGORY 0030	0	0	1	0	0	
		STAGE 4 SUBTOTAL CATEGORY 0070	0	0	0	1	1	
		PROJECT 9650-10-70 TOTAL CATEGORY 0030	1	1	1	0	0	
		PROJECT 9650-10-70 TOTAL CATEGORY 0070	0	0	0	1	1	

LIGHTING CONTROL CABINET

STAGE	LIGHTING CABINET NO.	** LOCATION	654.0230 CONCRETE CONTROL CABINET BASE TYPE L30 EACH	659.2130 LIGHTING CONTROL CABINETS 120/240 30-INCH EACH	SPV.0060.03 LIGHTING CONTROL CABINET 120/240 30-INCH SPECIAL EACH	CATEGORY #
2						
	CB1	103+13, 46' LT	1			0030
		STAGE 2 SUBTOTAL CATEGORY 0030	1	0	0	
3						
	CB1	103+13, 46' LT			1	0030
	CB2	139+86, 29' RT	1		1	0030
		STAGE 3 SUBTOTAL CATEGORY 0030	1	0	2	
4						
	CB3	178+69, 34' RT	1		1	0030
	CB4	208+13, 51' RT	1	1		0070
	CB5	219+99, 60' RT	1	1		0070
		STAGE 4 SUBTOTAL CATEGORY 0030	1	0	1	
		STAGE 4 SUBTOTAL CATEGORY 0070	2	2	0	
		PROJECT 9650-10-70 TOTAL CATEGORY 0030	3	0	3	
		PROJECT 9650-10-70 TOTAL CATEGORY 0070	2	2	0	

LEGEND

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	MISCELLANEOUS QUANTITIES	SHEET NO:	E

LIGHTING EQUIPMENT

STAGE	LIGHT POLE BASE NO.	** LOCATION	654.0105 CONCRETE BASES TYPE 5 EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5-ALUMINUM EACH	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT EACH	659.1120 LUMINAIRES UTILITY LED B EACH	SPV.0060.02 LIGHT POLE TYPE 5 SPECIAL EACH	CATEGORY #
3									
	L-0001	84+49, 22' RT	1	1	1	1	1		0030
	L-0002	86+28, 22' RT	1	1	1	1	1		0030
	L-0003	88+08, 22' RT	1	1	1	1	1		0030
	L-0004	89+88, 22' RT	1	1	1	1	1		0030
	L-0005	91+68, 22' RT	1	1		1	1	1	0030
	L-0006	93+51, 22' RT	1	1		1	1	1	0030
	L-0007	95+35, 22' RT	1	1		1	1	1	0030
	L-0008	97+16, 22' RT	1	1		1	1	1	0030
	L-0009	98+96, 22' RT	1	1		1	1	1	0030
	L-0010	100+76, 22' RT	1	1		1	1	1	0030
	L-0011	102+41, 32' RT	1	1		1	1	1	0030
	L-0012	104+36, 22' RT	1	1		1	1	1	0030
	L-0013	106+16, 22' RT	1	1		1	1	1	0030
	L-0014	107+96, 22' RT	1	1		1	1	1	0030
	L-0015	109+77, 22' RT	1	1		1	1	1	0030
	L-0016	111+57, 22' RT	1	1		1	1	1	0030
	L-0017	113+37, 22' RT	1	1	1	1	1		0030
	L-0018	115+16, 22' RT	1	1	1	1	1		0030
	L-0019	116+97, 22' RT	1	1	1	1	1		0030
	L-0020	118+78, 22' RT	1	1	1	1	1		0030
	L-0021	120+57, 21' RT	1	1	1	1	1		0030
	L-0022	122+42, 21' RT	1	1	1	1	1		0030
	L-0023	124+17, 21' RT	1	1	1	1	1		0030
	L-0024	125+68, 21' RT	1	1	1	1	1		0030
	L-0025	127+45, 22' RT	1	1	1	1	1		0030
	L-0026	129+21, 21' RT	1	1	1	1	1		0030
	L-0027	130+97, 22' RT	1	1	1	1	1		0030
	L-0028	132+73, 22' RT	1	1	1	1	1		0030
	L-0029	134+50, 22' RT	1	1	1	1	1		0030
	L-0030	136+31, 29' RT	1	1	1	1	1		0030
	L-0031	138+13, 26' RT	1	1	1	1	1		0030
	L-0032	139+95, 26' RT	1	1	1	1	1		0030
	L-0033	141+76, 22' RT	1	1	1	1	1		0030
	L-0034	143+56, 22' RT	1	1	1	1	1		0030
	L-0035	145+36, 22' RT	1	1	1	1	1		0030
	L-0036	147+14, 22' RT	1	1		1	1	1	0030
	L-0037	148+79, 22' RT	1	1		1	1	1	0030
	L-0038	150+53, 22' RT	1	1		1	1	1	0030
	L-0039	152+33, 22' RT	1	1		1	1	1	0030
	L-0040	153+82, 22' RT	1	1		1	1	1	0030
STAGE 3 SUBTOTAL CATEGORY 0030			40	40	23	40	40	17	

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LIGHTING EQUIPMENT REMOVAL

STAGE	LIGHT POLE BASE NO.	LOCATION	SPV.0060.01 SALVAGE EXISTING LIGHT POLE ASSEMBLY EACH
3			
	LP1	EXISTING	1
	LP2	EXISTING	1
	LP3	EXISTING	1
	LP4	EXISTING	1
	LP5	EXISTING	1
	LP6	EXISTING	1
	LP7	EXISTING	1
	LP8	EXISTING	1
	LP9	EXISTING	1
	LP10	EXISTING	1
	LP11	EXISTING	1
	LP12	EXISTING	1
	LP13	EXISTING	1
		STAGE 3 SUBTOTAL	13
		PROJECT 9650-10-70 TOTAL CATEGORY 0030	13

LEGEND

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

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LIGHTING EQUIPMENT (CONTINUED)

STAGE	LIGHT POLE BASE NO.	** LOCATION	654.0105 CONCRETE BASES TYPE 5 EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5-ALUMINUM EACH	657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT EACH	659.1120 LUMINAIRES UTILITY LED B EACH	SPV.0060.02 LIGHT POLE TYPE 5 SPECIAL EACH	CATEGORY #
4									
	L-0041	155+93, 22' RT	1	1		1	1	1	0030
	L-0042	157+73, 21' RT	1	1		1	1	1	0030
	L-0043	159+55, 22' RT	1	1		1	1	1	0030
	L-0044	161+33, 22' RT	1	1		1	1	1	0030
	L-0045	163+12, 22' RT	1	1		1	1	1	0030
	L-0046	165+27, 22' RT	1	1	1	1	1		0030
	L-0047	167+05, 22' RT	1	1	1	1	1		0030
	L-0048	168+85, 26' RT	1	1	1	1	1		0030
	L-0049	170+65, 26' RT	1	1	1	1	1		0030
	L-0050	172+45, 22' RT	1	1	1	1	1		0030
	L-0051	174+25, 22' RT	1	1	1	1	1		0030
	L-0052	176+05, 26' RT	1	1	1	1	1		0030
	L-0053	177+85, 26' RT	1	1	1	1	1		0030
	L-0054	179+65, 22' RT	1	1	1	1	1		0030
	L-0055	181+46, 22' RT	1	1	1	1	1		0030
	L-0056	183+25, 22' RT	1	1	1	1	1		0030
	L-0057	185+04, 22' RT	1	1	1	1	1		0030
	L-0058	186+84, 22' RT	1	1	1	1	1		0030
	L-0059	188+64, 22' RT	1	1	1	1	1		0030
	L-0060	190+44, 21' RT	1	1	1	1	1		0030
	L-0061	192+24, 27' RT	1	1	1	1	1		0030
	L-0062	194+04, 31' RT	1	1	1	1	1		0030
	L-0063	195+83, 42' RT	1	1	1	1	1		0030
	L-0064	197+63, 36' RT	1	1	1	1	1		0030
	L-0065	199+43, 32' RT	1	1	1	1	1		0070
	L-0066	201+22, 26' RT	1	1	1	1	1		0070
	L-0067	203+06, 25' RT	1	1	1	1	1		0070
	L-0068	204+80, 27' RT	1	1	1	1	1		0070
	L-0069	206+64, 34' RT	1	1	1	1	1		0070
	L-0070	208+50, 47' RT	1	1	1	1	1		0070
	L-0071	210+42, 31' RT	1	1	1	1	1		0070
	L-0072	212+43, 30' RT	1	1	1	1	1		0070
	L-0073	215+70, 27' RT	1	1	1	1	1		0070
	L-0074	217+49, 23' RT	1	1	1	1	1		0070
	L-0075	219+29, 20' RT	1	1	1	1	1		0070
	L-0076	220+25, 51' RT	1	1	1	1	1		0070
	L-0077	221+00, 21' RT	1	1	1	1	1		0070
	L-0078	220+50, 81' LT	1	1	1	1	1		0070
	STAGE 4 SUBTOTAL CATEGORY 0030		24	24	19	24	24	5	
	STAGE 4 SUBTOTAL CATEGORY 0070		14	14	14	14	14	0	
	PROJECT 9650-10-70 TOTAL CATEGORY 0030		64	64	42	64	64	22	
	PROJECT 9650-10-70 TOTAL CATEGORY 0070		14	14	14	14	14	0	

LEGEND

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

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LIGHTING CONDUIT & ELECTRICAL WIRE

STAGE	LOC.	TO	LOC.	LINEAR DISTANCE	NUMBER OF CONDUITS	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	IN CONDUIT RUN WIRE SLACK LF	IN CONDUIT RUN NUMBER OF WIRES (INCLUDING GROUND WIRE)	#12 AWG IN LIGHT POLE LENGTH OF WIRE IN POLE	#12 AWG IN LIGHT POLE NUMBER OF WIRES (INCLUDING GROUND WIRE)	#12 AWG IN LIGHT POLE LENGTH OF FESTOON WIRE IN POLE	#12 AWG IN LIGHT POLE NUMBER OF FESTOON RECEPTACLE WIRES (INCLUDING GROUND WIRE)	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG L.F.	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG L.F.	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG L.F.	CATEGORY #
2																		
	CB1		PB1	14	2		28											0030
	PB1		PB2	49	2	98												0030
	PB2		PB3	77	2	154												0030
	CB1		PB6	29	2		58											0030
	PB6		SB2	16	1	16												0030
	PB6		PB7	52	1	52												0030
	CB1		PB5	15	2		30											0030
	PB5		PB4	78	2	156												0030
			STAGE 2 SUBTOTAL CATEGORY 0030			476	116							0	0		0	
3																		
	CB1		PB1	14				25	5						195			0030
	CB1		PB1	14				25	2								78	0040
	PB1		PB2	49				34	5						415			0030
	PB1		PB2	49				34	2								166	0040
	PB1		PB2	49				34	5						415			0030
	PB1		PB2	49				34	2								166	0040
	PB2		PB3	77				34	5						555			0030
	PB2		PB3	77				34	2								222	0040
	PB3		L-0011	8	1	8		22	5	40	3			120	150			0030
	PB3		L-0011	8				22	2			20	3	60			60	0040
	L-0011		L-0010	166	1	166		10	5	40	3			120	880			0030
	L-0011		L-0010	166				10	2			20	3	60			352	0040
	L-0010		L-0009	180	1	180		10	5	40	3			120	950			0030
	L-0010		L-0009	180				10	2			20	3	60			380	0040
	L-0009		L-0008	180	1	180		10	5	40	3			120	950			0030
	L-0009		L-0008	180				10	2			20	3	60			380	0040
	L-0008		L-0007	180	1	180		10	5	40	3			120	950			0030
	L-0008		L-0007	180				10	2			20	3	60			380	0040
	L-0007		L-0006	182	1	182		10	5	40	3			120	960			0030
	L-0007		L-0006	182				10	2			20	3	60			384	0040

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LEGEND

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

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LIGHTING CONDUIT & ELECTRICAL WIRE (CONTINUED)

STAGE	LOC.	TO	LOC.	LINEAR DISTANCE	NUMBER OF CONDUITS	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	IN CONDUIT RUN WIRE SLACK LF	IN CONDUIT RUN NUMBER OF WIRES (INCLUDING GROUND WIRE)	#12 AWG IN LIGHT POLE LENGTH OF WIRE IN POLE	#12 AWG IN LIGHT POLE NUMBER OF WIRES (INCLUDING GROUND WIRE)	#12 AWG IN LIGHT POLE LENGTH OF FESTOON WIRE IN POLE	#12 AWG IN LIGHT POLE NUMBER OF FESTOON RECEPTACLE WIRES (INCLUDING GROUND WIRE)	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG L.F.	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG L.F.	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG L.F.	CATEGORY #
3																		
	L-0006		L-0005	180	1	180		10	5	40	3			120	950			0030
	L-0006		L-0005	180				10	2			20	3	60			380	0040
	L-0005		L-0004	180	1	180		10	5	40	3			120	950			0030
	L-0004		L-0003	180	1	180		10	5	40	3			120	950			0030
	L-0003		L-0002	180	1	180		10	5	40	3			120	950			0030
	L-0002		L-0001	180	1	180		10	3	40	3			120	570			0030
	CB1		PB6	29				25	3						162			0030
	PB6		SB2	16				22	6						228			0030
	PB6		PB7	52				34	3						258			0030
	PB7		SB1	8	1	8		22	3						90			0030
	CB1		PB5	15				25	5						200			0030
	CB1		PB5	15				25	2							80		0040
	PB5		PB4	78				34	5						560			0030
	PB5		PB4	78				34	2							224		0040
	PB4		L-0012	122	1	122		22	5	40	3			120	720			0030
	PB4		L-0012	122				22	2			20	3	60		288		0040
	L-0012		L-0013	180	1	180		10	5	40	3			120	950			0030
	L-0012		L-0013	180				10	2			20	3	60		380		0040
	L-0013		L-0014	180	1	180		10	5	40	3			120	950			0030
	L-0013		L-0014	180				10	2			20	3	60		380		0040
	L-0014		L-0015	181	1	181		10	5	40	3			120	955			0030
	L-0014		L-0015	181				10	2			20	3	60		382		0040
	L-0015		L-0016	180	1	180		10	5	40	3			120	950			0030
	L-0015		L-0016	180				10	2			20	3	60		380		0040
	L-0016		PB8	32	1	32		22	5						270			0030
	PB8		PB9	61	2	122		34	5						475			0030
	PB9		L-0017	100	1	100		22	5	40	3			120	610			0030
	L-0017		L-0018	180	1	180		10	5	40	3			120	950			0030
	L-0018		L-0019	180	1	180		10	5	40	3			120	950			0030
	L-0019		L-0020	180	1	180		10	3	40	3			120	570			0030

CONTINUED ON NEXT PAGE

LEGEND

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

STH 47 LIGHTING
PAGE 5 OF 10

LIGHTING CONDUIT & ELECTRICAL WIRE (CONTINUED)

STAGE	LOC.	TO LOC.	LINEAR DISTANCE	NUMBER OF CONDUITS	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	IN CONDUIT RUN WIRE SLACK LF	IN CONDUIT RUN NUMBER OF WIRES (INCLUDING GROUND WIRE)	#12 AWG IN LIGHT POLE LENGTH OF WIRE IN POLE	#12 AWG IN LIGHT POLE NUMBER OF WIRES (INCLUDING GROUND WIRE)	#12 AWG IN LIGHT POLE LENGTH OF FESTOON WIRE IN POLE	#12 AWG IN LIGHT POLE NUMBER OF FESTOON RECEPTACLE WIRES (INCLUDING GROUND WIRE)	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG L.F.	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG L.F.	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG L.F.	CATEGORY #
3																	
	CB2	PB16	12	3		36	25	5						185			0030
	PB16	L-0031	158	1	158		22	5	40	3			120	900			0030
	L-0031	L-0030	180	1	180		10	5	40	3			120	950			0030
	L-0030	L-0029	180	1	180		10	5	40	3			120	950			0030
	L-0029	L-0028	180	1	180		10	5	40	3			120	950			0030
	L-0028	PB15	42	1	42		22	5						320			0030
	PB15	PB14	68	2	12		34	5						510			0030
	PB14	L-0027	84	1	84		22	5	40	3			120	530			0030
	L-0027	PB13	67	1	67		22	5						445			0030
	PB13	PB12	54	2	108		34	5						440			0030
	PB12	L-0026	76	1	76		22	5	40	3			120	490			0030
	L-0026	L-0025	179	1	179		10	5	40	3			120	945			0030
	L-0025	PB11	102	1	102		22	5						620			0030
	PB11	PB10	68	2	136		34	5						510			0030
	PB10	L-0024	21	1	21		22	5	40	3			120	215			0030
	L-0024	L-0023	151	1	151		10	5	40	3			120	805			0030
	L-0023	L-0022	175	1	175		10	5	40	3			120	925			0030
	L-0022	L-0021	185	1	185		10	3	40	3			120	585			0030
	CB2	PB17	17	3		51	25	5						210			0030
	CB2	PB17	17				25	2							84		0040
	PB17	L-0032	8	1	8		22	5	40	3			120	150			0030
	PB17	L-0033	173	1	173		22	5	40	3			120	975			0030
	PB17	L-0033	173				22	2							390		0040
	L-0033	L-0034	180	1	180		10	5	40	3			120	950			0030
	L-0033	L-0034	180				10	2							380		0040
	L-0034	L-0035	180	1	180		10	5	40	3			120	950			0030
	L-0034	L-0035	180				10	2							380		0040
	L-0035	L-0036	180	1	180		10	5	40	3			120	950			0030
	L-0035	L-0036	180				10	2			20	3	60		380		0040
	L-0036	L-0037	175	1	175		10	5	40	3			120	925			0030

CONTINUED ON NEXT PAGE

LEGEND

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

STH 47 LIGHTING
PAGE 6 OF 10

LIGHTING CONDUIT & ELECTRICAL WIRE (CONTINUED)

STAGE	LOC.	TO LOC.	LINEAR DISTANCE	NUMBER OF CONDUITS	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	IN CONDUIT RUN WIRE SLACK LF	IN CONDUIT RUN NUMBER OF WIRES (INCLUDING GROUND WIRE)	#12 AWG IN LIGHT POLE LENGTH OF WIRE IN POLE	#12 AWG IN LIGHT POLE NUMBER OF WIRES (INCLUDING GROUND WIRE)	#12 AWG IN LIGHT POLE LENGTH OF FESTOON WIRE IN POLE	#12 AWG IN LIGHT POLE NUMBER OF FESTOON RECEPTACLE WIRES (INCLUDING GROUND WIRE)	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG L.F.	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG L.F.	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG L.F.	CATEGORY #
3																	
	L-0036	L-0037	175				10	2			20	3	60		370		0040
	L-0037	L-0038	179	1	179		10	5	40	3			120	945			0030
	L-0037	L-0038	179				10	2			20	3	60		378		0040
	L-0038	L-0039	180	1	180		10	5	40	3			120	950			0030
	L-0038	L-0039	180				10	2			20	3	60		380		0040
	L-0039	L-0040	149	1	149		10	3	40	3			120	477			0030
	L-0039	L-0040	149				10	2			20	3	60		318		0040
		STAGE 3 SUBTOTAL CATEGORY 0030			6,881	87							4,800	38,980	0	0	
		STAGE 3 SUBTOTAL CATEGORY 0040			0	0							1,020	0	5,174	2,782	
4																	
	CB3	PB22	26	3		78	25	5						255			0030
	CB3	PB22	26				25	2							102		0040
	PB22	L-0052	240	1	240		22	5	40	3			120	1310			0030
	PB22	L-0052	240				22	2							524		0040
	L-0052	L-0051	180	1	180		10	5	40	3			120	950			0030
	L-0052	L-0051	180				10	2							380		0040
	L-0051	L-0050	180	1	180		10	5	40	3			120	950			0030
	L-0051	L-0050	180				10	2					0		380		0040
	L-0050	PB21	58	1	58		22	5						400			0030
	L-0050	PB21	58				22	2							160		0040
	PB21	PB20	64	2	128		34	5						490			0030
	PB21	PB20	64				34	2							196		0040
	PB20	L-0049	60	1	60		22	5	40	3			120	410			0030
	PB20	L-0049	60				22	2							164		0040
	L-0049	L-0048	180	1	180		10	5	40	3			120	950			0030
	L-0049	L-0048	180				10	2							380		0040
	L-0048	L-0047	180	1	180		10	5	40	3			120	950			0030
	L-0048	L-0047	180				10	2							380		0040

CONTINUED ON NEXT PAGE

LEGEND

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

STH 47 LIGHTING
PAGE 7 OF 10

LIGHTING CONDUIT & ELECTRICAL WIRE (CONTINUED)

STAGE	LOC.	TO	LOC.	LINEAR DISTANCE	NUMBER OF CONDUITS	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	IN CONDUIT RUN		#12 AWG IN LIGHT POLE				655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG L.F.	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG L.F.	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG L.F.	CATEGORY #
								WIRE SLACK LF	NUMBER OF WIRES (INCLUDING GROUND WIRE)	LENGTH OF WIRE IN POLE	NUMBER OF WIRES (INCLUDING GROUND WIRE)	LENGTH OF FESTOON WIRE IN POLE	NUMBER OF FESTOON RECEPTACLE WIRES (INCLUDING GROUND WIRE)					
4																		
	L-0047		L-0046	180	1	180		10	5	40	3			120	950			0030
	L-0047		L-0046	180				10	2							380		0040
	L-0046		PB19	25	1	25		22	5						235			0030
	L-0046		PB19	25				22	2							94		0040
	PB19		PB18	81	2	162		34	5						575			0030
	PB19		PB18	81				34	2							230		0040
	PB18		L-0045	114	1	114		22	5	40	3			120	680			0030
	PB18		L-0045	114				22	2			20	3	60		272		0040
	L-0045		L-0044	180	1	180		10	5	40	3			120	950			0030
	L-0045		L-0044	180				10	2			20	3	60		380		0040
	L-0044		L-0043	178	1	178		10	5	40	3			120	940			0030
	L-0044		L-0043	178				10	2			20	3	60		376		0040
	L-0043		L-0042	182	1	182		10	5	40	3			120	960			0030
	L-0043		L-0042	182				10	2			20	3	60		384		0040
	L-0042		L-0041	180	1	180		10	3	40	3			120	570			0030
	L-0042		L-0041	180				10	2			20	3	60		380		0040
	CB3		PB23	21	3		63	25	5						230			0030
	PB23		L-0053	67	1	67		22	5	40	3			120	445			0030
	PB23		L-0054	113	1	113		22	5	40	3			120	675			0030
	L-0054		L-0055	176	1	176		10	5	40	3			120	930			0030
	L-0055		L-0056	180	1	180		10	5	40	3			120	950			0030
	L-0056		L-0057	180	1	180		10	5	40	3			120	950			0030
	L-0057		L-0058	180	1	180		10	5	40	3			120	950			0030
	L-0058		L-0059	180	1	180		10	5	40	3			120	950			0030
	L-0059		L-0060	180	1	180		10	3	40	3			120	570			0030
	CB4		PB24	16	3		48	25	5						205			0070
	PB24		L-0069	130	1	130		22	5	40	3			120	760			0070
	L-0069		L-0068	180	1	180		10	5	40	3			120	950			0070
	L-0068		L-0067	171	1	171		10	5	40	3			120	905			0070
	L-0067		L-0066	181	1	181		10	5	40	3			120	955			0070

CONTINUED ON NEXT PAGE

LEGEND

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

STH 47 LIGHTING
PAGE 8 OF 10

LIGHTING CONDUIT & ELECTRICAL WIRE (CONTINUED)

STAGE	LOC.	TO	LOC.	LINEAR DISTANCE	NUMBER OF CONDUITS	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	IN CONDUIT RUN WIRE SLACK LF	IN CONDUIT RUN NUMBER OF WIRES (INCLUDING GROUND WIRE)	#12 AWG IN LIGHT POLE LENGTH OF WIRE IN POLE	#12 AWG IN LIGHT POLE NUMBER OF WIRES (INCLUDING GROUND WIRE)	#12 AWG IN LIGHT POLE LENGTH OF FESTOON WIRE IN POLE	#12 AWG IN LIGHT POLE NUMBER OF FESTOON RECEPTACLE WIRES (INCLUDING GROUND WIRE)	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG L.F.	655.0630 ELECTRICAL WIRE LIGHTING 4 AWG L.F.	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG L.F.	CATEGORY #
4																		
	L-0066		L-0065	180	1	180		10	5	40	3			120	950			0070
	L-0065		L-0064	180	1	180		10	5	40	3			120	950			0070
	L-0064		L-0063	180	1	180		10	5	40	3			120	950			0030
	L-0063		L-0062	180	1	180		10	5	40	3			120	950			0030
	L-0062		L-0061	181	1	181		10	3	40	3			120	573			0030
	CB4		PB25	25	3		75	25	5						250			0070
	PB25		L-0070	14	1	14		22	5	40	3			120	180			0070
	PB25		PB26	104	2	208		34	5						690			0070
	PB26		L-0071	97	1	97		22	5	40	3			120	595			0070
	L-0071		L-0072	200	1	200		10	3	40	3			120	630			0070
	CB5		PB27	24	3		72	25	5						245			0070
	PB27		L-0075	63	1	63		22	5	40	3			120	425			0070
	L-0075		L-0074	180	1	180		10	5	40	3			120	950			0070
	L-0074		L-0073	180	1	180		10	3	40	3			120	570			0070
	CB5		PB28	25	3		75	25	5						250			0070
	PB28		L-0076	15	1	15		22	3	40	3			120	111			0070
	PB28		PB29	63	2	126		34	3						291			0070
	PB29		L-0077	29	1	29		22	5	40	3			120	255			0070
	PB29		PB30	78	2	156		34	3						336			0070
	PB30		L-0078	51	1	51		22	3	40	3			120	219			0070
	STAGE 4 SUBTOTAL CATEGORY 0030					4,204	141							2,760	21,648	0	0	
	STAGE 4 SUBTOTAL CATEGORY 0040					0	0							300	0	5,162	0	
	STAGE 4 SUBTOTAL CATEGORY 0070					2,341	270							1,800	11,672	0	0	
	PROJECT 9650-10-70 TOTAL CATEGORY 0030					11,561	344							7,560	60,628	0	0	
	PROJECT 9650-10-70 TOTAL CATEGORY 0040					0	0							1,320	0	10,336	2,782	
	PROJECT 9650-10-70 TOTAL CATEGORY 0070					2,341	270							1,800	11,672	0	0	

LEGEND

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

STH 47 LIGHTING
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3

RRFB SYSTEM

STAGE	SIGNAL BASE NO.	** LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	657.0100 PEDESTAL BASES EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	SPV.0105.01 RECTANGULAR RAPID FLASHING BEACON SYSTEM STH 47 & WARRINGTON RD LS
2							
	SB1	103+36, 30' RT	1				
STAGE 2 SUBTOTAL CATEGORY 0030			1	0	0	0	0
3							
	SB1	103+36, 30' RT		1	1	1	
	SB2	103+44, 22' LT	1	1	1	1	1
STAGE 3 SUBTOTAL CATEGORY 0030			1	2	2	2	1
PROJECT 9650-10-70 TOTAL CATEGORY 0030			2	2	2	2	1

LEGEND

** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

STH 47 LIGHTING
PAGE 10 OF 10

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
PARALLEL OFFSETS

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN
ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25
UTILITY NUMBER 40
R/W BOUNDARY POINT 100
PLE BOUNDARY POINT 2000
TLE BOUNDARY POINT 3000
BUILDING
TO BE REMOVED

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP

CONVENTIONAL UTILITY SYMBOLS

		NON COMPENSABLE	COMPENSABLE
WATER	W		
GAS	G		
TELEPHONE	T		
OVERHEAD TRANSMISSION LINES	OH		
ELECTRIC	E		
CABLE TELEVISION	TV		
FIBER OPTIC	FO		
SANITARY SEWER	SAN		
STORM SEWER	SS		
POWER POLE			
TELEPHONE POLE			
TELEPHONE PEDESTAL			
ELECTRIC TOWER			
LIGHTING POLE			
HYDRANT			
INLET/CATCH BASIN	INL		
MANHOLE			
WATER VALVE			
SEPTIC VALVE	SEPV		
UTILITY POLE			
TANK	T		
AIR CONDITIONING UNIT	A/C		
ANTENNA	ANT		
MONITORING WELL			
CONCRETE MONUMENT			

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	TAN

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
9650-17-20/22		
FEDERAL PROJECT NUMBER	4.01	28
STH 47		

PLAT OF RIGHT-OF-WAY REQUIRED FOR

SHAWANO - NEOPIT

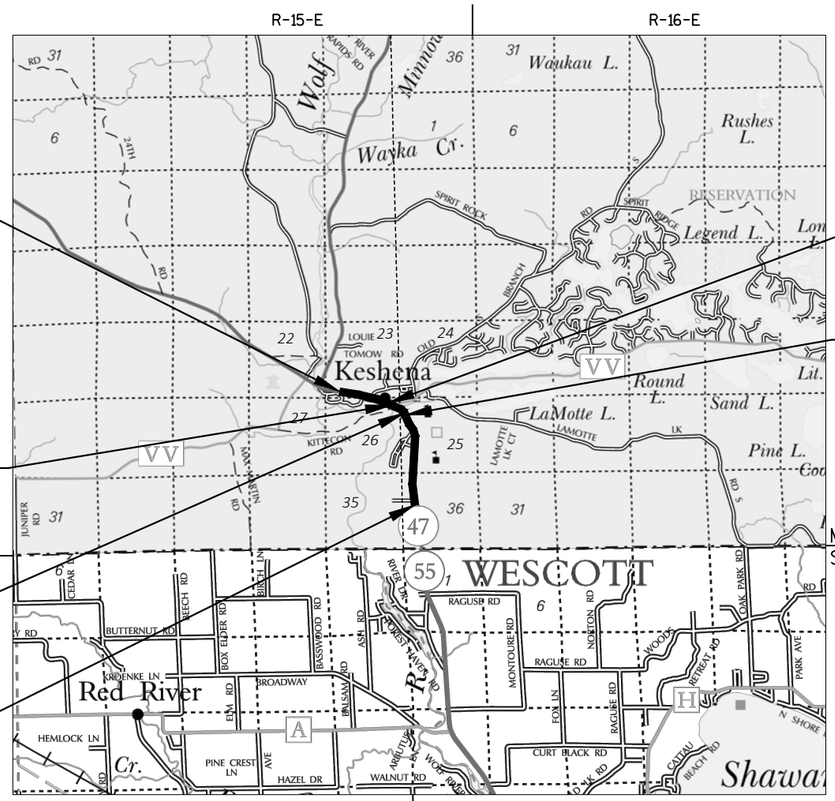
DUQUAINE ROAD TO N JCT COUNTY VV

STH 47 MENOMINEE COUNTY

CONSTRUCTION PROJECT NUMBER
9650-17-70

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	PERMANENT LIMITED EASEMENT	PLE
ACCESS RIGHTS	AR	PROPERTY LINE	PL
ACRES	AC	RECORDED AS	(100')
AND OTHERS	ET AL	REFERENCE LINE	R/L
CENTERLINE	C/L	RELEASE OF RIGHTS	ROR
CERTIFIED SURVEY MAP	CSM	REMAINING	REM
CORNER	COR	RESTRICTED DEVELOP EASEMENT	RDE
DOCUMENT	DOC	RIGHT-OF-WAY	R/W
EASEMENT	EASE	SECTION	SEC
HIGHWAY EASEMENT	HE	STATION	STA
LAND CONTRACT	LC	TEMPORARY LIMITED EASEMENT	TLE
MONUMENT	MON	VOLUME	V
PAGE	P		



NOTES:

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

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

A HIGHWAY EASEMENT (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

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

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

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

N

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 2.254 MI.

ORIGINAL PLAT PREPARED BY

AECOM

WISCONSIN
LANCE J. HABECK
S-1444
PLOVER, WI
LAND SURVEYOR

LANCE J. HABECK, PLS-1444

DATE: 10/24/2017

REVISION DATE
7/29/19

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED FOR THE DEPARTMENT
DATE: 11-8-2017 Brent L Stella
(Signature)

E

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

4

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	BIA TRACT NO.	INTEREST REQUIRED	HE ACRES REQUIRED NEW	EXIST.	TOTAL	PLE ACRES	TLE ACRES
1	4.06	MENOMINEE COUNTY	-----	TLE	-----	-----	-----	-----	0.023
2	4.06	MARTINA FRECHETTE	-----	TLE	-----	-----	-----	-----	0.137
3	4.06	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN, CHRIS WILBER, LESSEE	440-T 80023175	TLE	-----	-----	-----	-----	0.086
4	4.06	ROGER CORN SR. & RENITA L. CORN	-----	TLE	-----	-----	-----	-----	0.081
6	4.06 & 4.07	SUSAN L. BLONG	-----	TLE	-----	-----	-----	-----	0.089
7	4.06	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN LES GRIGNON, LESSEE	440-T 80013175	TLE	-----	-----	-----	-----	0.086
8	4.06 & 4.07	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 2120	TLE	-----	-----	-----	-----	0.131
9	4.07	PETER F. MARTIN	-----	TLE	-----	-----	-----	-----	0.122
11	4.07, 4.08, 4.09, 4.10 & 4.11	MENOMINEE INDIAN SCHOOL DISTRICT	-----	HE, PLE, TLE	0.093	-----	0.093	0.297	0.957
12	4.08	KENNETH A. FISH	-----	PLE, TLE	-----	-----	-----	0.008	0.115
13	4.08 & 4.09	WOLF RIVER DEVELOPMENT COMPANY	-----	TLE	-----	-----	-----	-----	0.214
14	4.10 & 4.11	GUY KESHENA, A SINGLE MAN, FOR AND ON BEHALF OF MITW	-----	TLE	-----	-----	-----	-----	0.051
16	4.11 & 4.12	ESTATE OF ESTHER TUCKER & ANNLEE M. TUCKER	-----	TLE	-----	-----	-----	-----	0.041
17	4.11 & 4.12	GUY KESHENA, A SINGLE MAN, FOR AND ON BEHALF OF MITW	-----	PLE, TLE	-----	-----	-----	0.172	0.020
18	4.11, 4.12	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN, RITA KESHENA, PERMITTOR & JOYCE M. RICHTER, PERMITTEE	440-T 80012172	TLE	-----	-----	-----	-----	0.071
19	4.11	WISCONSIN-NORTHERN MICHIGAN DISTRICT COUNCIL OF THE ASSEMBLIES OF GOD (WAUPACA, WISCONSIN)	-----	PLE, TLE	-----	-----	-----	0.012	0.080
21	4.11	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 164003 2	TLE	-----	-----	-----	-----	0.023
22	4.11	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN, JODY O'NEIL, LESSEE	440-T 164004 2	TLE	-----	-----	-----	-----	0.022
23	4.11 & 4.13	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 164005 2	TLE	-----	-----	-----	-----	0.024
24	4.11 & 4.13	KATHY E. TUCKER, JAMES R. TUCKER SR. & JAMES R. TUCKER JR.	-----	TLE	-----	-----	-----	-----	0.034
26	4.13	PERSHING FRECHETTE & PAMELA FRECHETTE	-----	TLE	-----	-----	-----	-----	0.037
27	4.13	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN CARROL J. KAQUATOSH, LESSEE	440-T 164006 2	TLE	-----	-----	-----	-----	0.027
28	4.13	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN;	440-T 164007 2	TLE	-----	-----	-----	-----	0.027
29	4.13	AMY MENCHACA	-----	TLE	-----	-----	-----	-----	0.030
31	4.13	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN; MENOMINEE INDIAN TRIBE, PERMITTOR KATERINA WYCHESIT, PERMITTEE	440-T 164009 2	TLE	-----	-----	-----	-----	0.006
34	4.13	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 1640011 15	HE & TLE	0.002	-----	0.002	-----	0.039
36	4.13, 4.14	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 1640010 15	PLE & TLE	-----	-----	-----	0.017	0.120
38	4.14	SOSAEH WAUKECHON	-----	TLE	-----	-----	-----	-----	0.008
39	4.14	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN, JOSEPH G. WAUKECHON JR. & MILA MAE WAUKECHON, ASSIGNEE	440-T 164009 15	TLE	-----	-----	-----	-----	0.041
41	4.14	MENOMINEE PROPANE, INC.	-----	TLE	-----	-----	-----	-----	0.034
42	4.14	MENOMINEE GAS, INC.	-----	PLE & TLE	-----	-----	-----	0.005	0.028
43	4.14, 4.15	RONALD SKENANDORE & CAROL SKENANDORE	-----	HE & TLE	0.003	-----	0.003	-----	0.021
44	4.15	ANTHONY WAUPOCHICK JR. & FAY A. WAUPOCHICK	-----	TLE	-----	-----	-----	-----	0.004
46	4.15	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 80012078	HE, PLE, TLE	0.005	-----	0.005	0.017	0.029
47	4.15 & 4.16	MENOMINEE ENTERPRISES, INC.	-----	PLE & TLE	-----	-----	-----	0.155	0.008
48	4.16 & 4.17	MENOMINEE ENTERPRISES, INC.	-----	PLE & TLE	-----	-----	-----	0.043	0.122
49	4.16	MENOMINEE ENTERPRISES, INC.	-----	TLE	-----	-----	-----	-----	0.058
51	4.16 & 4.17	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 180	HE, PLE, TLE	0.002	-----	0.002	0.052	0.165
52	4.17	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 164002 13	TLE	-----	-----	-----	-----	0.031
53	4.17	CATHERINE W. HAWPETOSS	-----	TLE	-----	-----	-----	-----	0.022
54	4.17	SHANNON CHAPMAN	-----	TLE	-----	-----	-----	-----	0.038
56	4.17	EAST-WEST UNIVERSITY, INC.	-----	TLE	-----	-----	-----	-----	0.061
57	4.17 & 4.18	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN; RITA KESHENA, PERMITTOR & DELORES C. WAUKECHON, PERMITTEE	440-T 164006 13	HE & TLE	0.004	-----	0.004	-----	0.059
58	4.17 & 4.18	SAINT MICHAEL CONGREGATION	-----	TLE	-----	-----	-----	-----	0.090
59	4.18 & 4.19	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 80022220	TLE	-----	-----	-----	-----	0.100
61	4.18	LAURIE A. REITER	-----	HE & TLE	0.006	-----	0.006	-----	0.052
62	4.18	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN BILL OF SALE TO APESANAHKWAT AND KERRY CHEVALIER	440-T 164004 12	TLE	-----	-----	-----	-----	0.041
63	4.18 & 4.19	LUANA DICKENSON	-----	TLE	-----	-----	-----	-----	0.036

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REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 N/A	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.02
			COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	BIA TRACT NO.	INTEREST REQUIRED	HE ACRES REQUIRED NEW	EXIST.	TOTAL	PLE ACRES	TLE ACRES
64	4.19	KCJ PROPERTIES, LLC	-----	PLE, TLE	-----	-----	-----	0.184	0.056
66	4.19	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 164991 12	PLE, TLE	-----	-----	-----	0.025	0.012
67	4.19	MICHAEL A. SKENADORE	-----	HE, PLE, TLE	0.007	-----	0.007	0.012	0.092
68	4.19	KATHLEEN FRAAZA, VENDOR, JONATHAN KOON & BILLY JO KOON, PURCHASER	-----	HE, TLE	0.005	-----	0.005	-----	0.012
69	4.19 & 4.20	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN RITA KESHENA, PERMITTOR, ARTHUR CHAPMAN & LUCILLE B. CHAPMAN, PERMITTEE	440-T 164008 4	TLE	-----	-----	-----	----	0.011
71	4.20	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN MATT SEESTEDT, ASSIGNEE	440-T 164007 4	TLE	-----	-----	-----	-----	0.009
72	4.20	REYNOLD W. KATCHENAGO	-----	TLE	-----	-----	-----	-----	0.009
73	4.20	SUSAN DICKENSON	-----	TLE	-----	-----	-----	-----	0.013
74	4.20	FRONTIER COMMUNICATIONS OF WISCONSIN, LLC.	-----	TLE	-----	-----	-----	-----	0.014
76	4.20, 4.21	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 164991 9	TLE	-----	-----	-----	-----	0.059
77	4.20	GRACE F. WILBER	-----	TLE	-----	-----	-----	-----	0.012
78•	4.20, 4.21	GRACE F. WILBER & DAVID L. CORN	-----	TLE	-----	-----	-----	-----	0.021
79	4.21	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 164001 4	HE, TLE	0.053	-----	0.053	-----	0.049
81	4.21	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN, MERCEDES MARTIN, LESSEE	440-T 164001 9	PLE, TLE	-----	-----	-----	0.128	0.011
82	4.21	AGNES W. PIERSANTE, CATHERINE WAUKECHON & JOHN WAUKECHON	-----	TLE	-----	-----	-----	-----	0.065
83	4.22	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 164002 7	HE	0.060	-----	0.060	-----	-----
84	4.21, 4.22	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 137	HE, TLE	0.123	-----	0.123	-----	0.037
86	4.22, 4.23	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 164992 6	HE, TLE	0.065	-----	0.065	-----	0.030
87	4.23	ESTATE OF ALFRED P. LYONS, JOSEPH J. LYONS, VIRGINIA M. SMIGELSKI, HARLEY A. LYONS, JEAN M. HESSE, MYRTLE A. KREIER & WILFRED E. LYONS	-----	HE, PLE	0.021	-----	0.021	0.005	-----
89	4.24, 4.25	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 92328151	HE, PLE TLE	0.130	-----	0.130	0.017	0.054
91	4.25	WILLIAM A. MARTIN	-----	HE	0.014	-----	0.014	-----	-----
93	4.25, 4.26, 4.27	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN	440-T 92328151	PLE, TLE	-----	-----	-----	0.022	0.016
95	4.27	UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN, LONA L. TOUTILLOTT, PERMITTEE	440-T 80012045	TLE	-----	-----	-----	-----	0.028

UTILITY SCHEDULE & INTERESTS REQUIRED

UTILITY NUMBER	SHEET NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED	AFFECTED PARCEL
200	4.07, 4.09, 4.10 4.11, 4.13, 4.17, 4.18, 4.19, 4.20, 4.21, 4.27	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS	11,26,53,61, 64,68,78,89
201	4.06, 4.07, 4.13, 4.14, 4.20	WISCONSIN POWER AND LIGHT COMPANY D/B/A ALLIANT ENERGY	RELEASE OF RIGHTS	2,4,9, 24,42,74
202	4.20, 4.21	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS	89
203	4.06, 4.07, 4.08, 4.09, 4.10, 4.18, 4.19	MITW UTILITIES	TEMPORARY CONSTRUCTION ASSIGNMENT	1,2,3,7,8,9,11, 12,13,14,58,64, 66,67
204	4.09, 4.10	NSIGHT TOWER HOLDINGS II, LLC	RELEASE OF RIGHTS	11

EXISTING EASEMENTS

OWNER	RECORDING INFORMATION	PARCEL
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 68 PG. 23 DOC. 25493	1
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 67 PG. 646 DOC. 25202	2
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 67 PG. 645 DOC. 25201	8
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 67 PG. 642 DOC. 25198	9
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 67 PG. 647 DOC. 25203 VOL. 74 PG. 136 DOC. 27084	11
FRONTIER COMMUNICATIONS OF WISCONSIN, LLC	VOL. 40 PG. 640 DOC. 13112	11
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 72 PG. 295 DOC. 26750	12
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 72 PG. 296 DOC. 26751	12,13
NSIGHT TOWER HOLDINGS II, LLC	VOL. 102 PG. 135 DOC. 34327	11

EXISTING EASEMENTS

OWNER	RECORDING INFORMATION	PARCEL
FRONTIER COMMUNICATIONS OF WISCONSIN, LLC	VOL. 33 PG. 339 DOC. 10311	11
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 64 PG. 724 DOC. 24530	14
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 62 PG. 202 DOC. 23941	44
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 4 PG. 194 DOC. 739	58
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 62 PG. 206 DOC. 23943	67
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 4 PG. 201 DOC. 743	64, 66
FRONTIER COMMUNICATIONS OF WISCONSIN, LLC	VOL. 49 PG. 495 DOC. 18634	78
MENOMINEE INDIAN TRIBE OF WISCONSIN	VOL. 4 PG. 199 DOC. 742	83

4

4

REVISION DATE 7/29/19

DATE: MAY 2017

SCALE, FEET 0 N/A

HWY: STH 47

COUNTY: MENOMINEE

STATE R/W PROJECT NUMBER 9650-17-20/22

CONSTRUCTION PROJECT NUMBER 9650-17-70

PLAT SHEET 4.03

PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040101-2_RP.DWG PLOT DATE : 7/29/2019 2:35 PM PLOT BY : BUZA, DONALD PLOT NAME : ----------

WISDOT/CADDS SHEET 60

T 28 N

WOLF COURT

25

GN

MENOMINEE INDIAN RESERVATION

CHIEF CARRON ROAD

MORRIN STREET

NW-SW

NE-SW

NW-SE

NE-SE

4

4

SE-SW

CHIEF LITTLE WAVE ROAD

PROJECT 9650-17-22 - SEGMENT 1

SW-SE

SE-SE

R 15 E

R 16 E

SW-SW

WARRINGTON ROAD

R 15 E

NE-NW

NW-NE

NE-NE

NW-NW

DODGE ROAD

SE-NW

SW-NE

SE-NE

STH 47

SW-NW

BEGIN RELOCATION ORDER
9650-17-22 - SEGMENT 1
STATION 82+40.00

36

REVISION DATE 7/29/19 NC	DATE: MAY 2017	NOT TO SCALE	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.04
			COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:31 PM PLOT BY : BUZA, DONALD PLOT NAME : ----------

WISDOT/CADDS SHEET 70

23

MENOMINEE INDIAN RESERVATION

24

GN

SW-SW

SE-SW

SW-SE

SE-SE

R 15 E

STH 55

STH 47

COURTHOUSE LANE

WOLF RIVER DRIVE

END RELOCATION ORDER
9650-17-22 - SEGMENT 2
STATION 200+65.98

PROJECT 9650-17-22
SEGMENT 2

RABBIT RIDGE ROAD

BLACKSMITH ROAD

PROJECT 9650-17-20

LYONS LOOP

CTH VV EAST

NW-NW

NE-NW

NW-NE

NE-NW

END RELOCATION ORDER
9650-17-20
STATION 157+00.00

BEGIN RELOCATION ORDER
9650-17-22 - SEGMENT 2
STATION 156+50.00

NE-NE

END RELOCATION
ORDER 9650-17-22
SEGMENT 1
STATION 148+00.00

BEGIN RELOCATION ORDER
9650-17-20
STATION 147+30.00

FAIRGROUNDS ROAD

TRIBAL OFFICE LOOP

PROJECT 9650-17-22
SEGMENT 1

SW-NW

SE-NW

SW-NE

SE-NE

OUR CHILDRENS ROAD

WOLF COURT

T 28 N

26

25

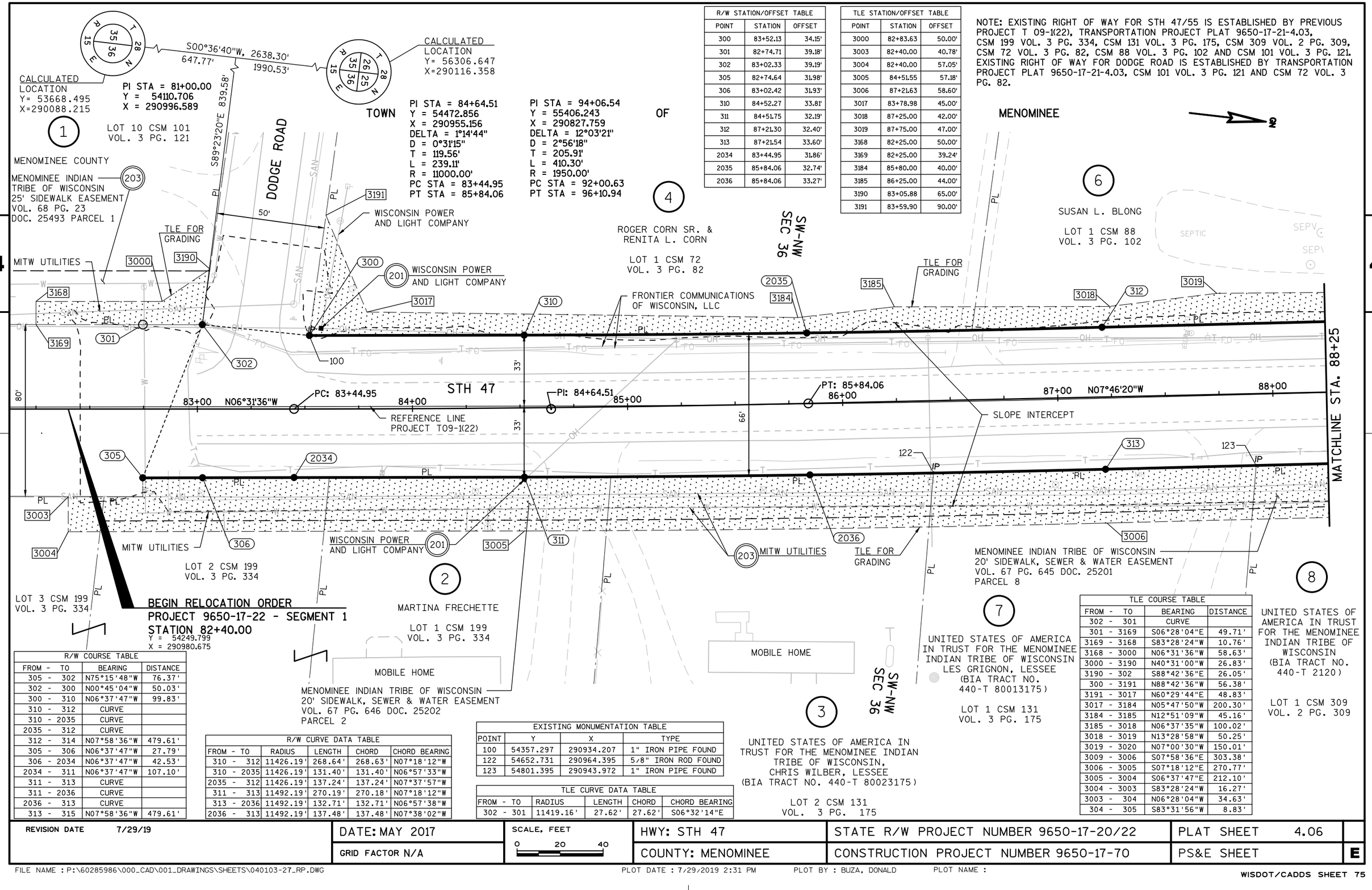
BROOKS LANE

STH 47

REVISION DATE 7/29/19	DATE: MAY 2017	NOT TO SCALE	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.05
			COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:31 PM PLOT BY : BUZA, DONALD PLOT NAME : ----------

WISDOT/CADDS SHEET 70



R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
300	83+52.13	34.15'
301	82+74.71	39.18'
302	83+02.33	39.19'
305	82+74.64	31.98'
306	83+02.42	31.93'
310	84+52.27	33.81'
311	84+51.75	32.19'
312	87+21.30	32.40'
313	87+21.54	33.60'
2034	83+44.95	31.86'
2035	85+84.06	32.74'
2036	85+84.06	33.27'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3000	82+83.63	50.00'
3003	82+40.00	40.78'
3004	82+40.00	57.05'
3005	84+51.55	57.18'
3006	87+21.63	58.60'
3017	83+78.98	45.00'
3018	87+25.00	42.00'
3019	87+75.00	47.00'
3168	82+25.00	50.00'
3169	82+25.00	39.24'
3184	85+80.00	40.00'
3185	86+25.00	44.00'
3190	83+05.88	65.00'
3191	83+59.90	90.00'

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), TRANSPORTATION PROJECT PLAT 9650-17-21-4.03, CSM 199 VOL. 3 PG. 334, CSM 131 VOL. 3 PG. 175, CSM 309 VOL. 2 PG. 309, CSM 72 VOL. 3 PG. 82, CSM 88 VOL. 3 PG. 102 AND CSM 101 VOL. 3 PG. 121. EXISTING RIGHT OF WAY FOR DODGE ROAD IS ESTABLISHED BY TRANSPORTATION PROJECT PLAT 9650-17-21-4.03, CSM 101 VOL. 3 PG. 121 AND CSM 72 VOL. 3 PG. 82.

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
305 - 302	N75°15'48"W	76.37'
302 - 300	N00°45'04"W	50.03'
300 - 310	N06°37'47"W	99.83'
310 - 312	CURVE	
310 - 2035	CURVE	
2035 - 312	CURVE	
312 - 314	N07°58'36"W	479.61'
305 - 306	N06°37'47"W	27.79'
306 - 2034	N06°37'47"W	42.53'
2034 - 311	N06°37'47"W	107.10'
311 - 313	CURVE	
311 - 2036	CURVE	
2036 - 313	CURVE	
313 - 315	N07°58'36"W	479.61'

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
310 - 312	11426.19'	268.64'	268.63'	N07°18'12"W
310 - 2035	11426.19'	131.40'	131.40'	N06°57'33"W
2035 - 312	11426.19'	137.24'	137.24'	N07°37'57"W
311 - 313	11492.19'	270.19'	270.18'	N07°18'12"W
313 - 2036	11492.19'	132.71'	132.71'	N06°57'38"W
2036 - 313	11492.19'	137.48'	137.48'	N07°38'02"W

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
100	54357.297	290934.207	1" IRON PIPE FOUND
122	54652.731	290964.395	5/8" IRON ROD FOUND
123	54801.395	290943.972	1" IRON PIPE FOUND

TLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
302 - 301	11419.16'	27.62'	27.62'	S06°32'14"E

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
302 - 301	CURVE	
301 - 3169	S06°28'04"E	49.71'
3169 - 3168	S83°28'24"W	10.76'
3168 - 3000	N06°31'36"W	58.63'
3000 - 3190	N40°31'00"W	26.83'
3190 - 302	S88°42'36"E	26.05'
300 - 3191	N88°42'36"W	56.38'
3191 - 3017	N60°29'44"E	48.83'
3017 - 3184	N05°47'50"W	200.30'
3184 - 3185	N12°51'09"W	45.16'
3185 - 3018	N06°37'35"W	100.02'
3018 - 3019	N13°28'58"W	50.25'
3019 - 3020	N07°00'30"W	150.01'
3009 - 3006	S07°58'36"E	303.38'
3006 - 3005	S07°18'12"E	270.77'
3005 - 3004	S06°37'47"E	212.10'
3004 - 3003	S83°28'24"W	16.27'
3003 - 304	N06°28'04"W	34.63'
304 - 305	S83°31'56"W	8.83'

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.06
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), CSM 88 VOL. 3 PG. 102, CSM 309 VOL. 2 PG. 309, CSM VOL. 2 PG. 192, CSM VOL. 1 PG. 83 AND CSM 82 VOL. 3 PG. 93.

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
314	92+00.91	34.11'
315	92+01.16	31.89'

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
2507	93+00.00	62.00'
2508	93+00.00	34.43'
2510	94+00.00	62.00'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3009	90+25.00	57.52'
3010	91+25.00	65.00'
3011	92+00.00	60.00'
3012	93+50.00	55.00'
3020	89+25.00	45.00'
3021	90+04.97	55.00'

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
103	55207.544	290887.054	1" IRON PIPE FOUND
124	55027.436	290912.345	1" IRON PIPE FOUND

PI STA = 84+64.51
Y = 54472.856
X = 290955.156
DELTA = 1°14'44"
D = 0°31'15"
T = 119.56'
L = 239.11'
R = 11000.00'
PC STA = 83+44.95
PT STA = 85+84.06

CALCULATED LOCATION
Y= 53668.495
X=290088.215

S00°36'40"W, 2638.30'
1537.13'
1101.17'

CALCULATED LOCATION
Y= 56306.647
X=290116.358

PI STA = 94+06.54
Y = 55406.243
X = 290827.759
DELTA = 12°03'21"
D = 2°56'18"
T = 205.91'
L = 410.30'
R = 1950.00'
PC STA = 92+00.63
PT STA = 96+10.94

S89°23'20"E 717.20'

TOWN OF MENOMINEE

SW-NW SEC 36 | NW-NW SEC 36

6 SUSAN L. BLONG
LOT 1 CSM 88
VOL. 3 PG. 102

11 MENOMINEE INDIAN SCHOOL DISTRICT
LOT 1 CSM
VOL. 2 PG. 192

200 FRONTIER COMMUNICATIONS OF WISCONSIN, LLC
EASEMENT
VOL. 40 PG. 640-642
DOC. 13112
PARCEL 11

11 MENOMINEE INDIAN SCHOOL DISTRICT
LOT 1 CSM
VOL. 1 PG. 83

WISCONSIN POWER AND LIGHT COMPANY

TLE FOR GRADING

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

PLE FOR DRAINAGE

3021 | 3020 | 314 | 2507 | 2508 | 2510

PL | Z | 66' | 33'

STH 47

SLOPE INTERCEPT

89+00 | 90+00 | 91+00 | 92+00 | 93+00 | 94+00

N07°46'20"W

PC: 92+00.63

PI: 94+06.54

REFERENCE LINE
PROJECT T09-1(22)

MATCHLINE STA. 88+25

MATCHLINE STA. 94+25

124 | 103 | IP | 3009 | 3010 | 3011 | 315 | 3012

MITW UTILITIES

TLE FOR GRADING

WISCONSIN POWER AND LIGHT COMPANY 201

203 MITW UTILITIES

SAN | SIGN

1/16 LINE

8 UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 2120)
LOT 1 CSM 309
VOL. 2 PG. 309
MENOMINEE INDIAN TRIBE OF WISCONSIN
20' SIDEWALK, SEWER & WATER EASEMENT
VOL. 67 PG. 645 DOC. 25201
PARCEL 8

9 PETER F. MARTIN
LOT 2 CSM 82
VOL. 3 PG. 93
MENOMINEE INDIAN TRIBE OF WISCONSIN
30' SIDEWALK, SEWER & WATER EASEMENT
VOL. 67 PG. 642 DOC. 25198
PARCEL 9

11 MENOMINEE INDIAN SCHOOL DISTRICT
LOT 1 CSM 82
VOL. 3 PG. 93
MENOMINEE INDIAN TRIBE OF WISCONSIN
30' SIDEWALK, SEWER & WATER EASEMENT
VOL. 67 PG. 647 DOC. 25203
VOL. 74 PG. 136 DOC. 27084
PARCEL 11

ACCESS CONTROL ESTABLISHED BY ACCESS COVENANTS RECORDED AS VOL. 70, PG. 624, DOC. 26105 AND VOL. 70, PG. 889-890, DOC. 26153 PARCEL 11

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
312 - 314	N07°58'36"W	479.61'
314 - 316	CURVE	
314 - 2038	CURVE	
313 - 315	N07°58'36"W	479.61'
315 - 317	CURVE	
315 - 2037	CURVE	

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
314 - 316	1943.08'	433.79'	432.89'	N01°34'52"W
314 - 2038	1943.08'	417.30'	416.50'	N01°49'27"W
315 - 317	1877.08'	419.06'	418.19'	N01°34'52"W
315 - 2037	1877.08'	403.18'	402.40'	N01°49'24"W

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
3019 - 3020	N07°00'30"W	150.01'
3020 - 3021	N14°53'50"W	80.62'
3021 - 2507	N08°36'56"W	298.15'
2507 - 2508	N85°08'51"E	27.57'
2508 - 314	CURVE	
3013 - 3012	S01°10'47"E	145.73'
3012 - 3011	S07°33'11"E	145.65'
3011 - 3010	S11°35'11"E	75.17'
3010 - 3009	S03°29'31"E	100.28'
3009 - 3006	S07°58'36"E	303.38'

PLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
316 - 2508	1943.08'	332.95'	332.55'	S00°05'40"E

TLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
2508 - 314	1943.08'	100.84'	100.82'	S06°29'24"E

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
316 - 2508	CURVE	
2508 - 2507	S85°08'51"W	27.57'
2507 - 2510	N03°23'00"W	103.17'
2510 - 2515	N00°27'01"W	154.82'

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.07
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:31 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

CALCULATED
LOCATION
Y= 53668.495
X=290088.215

S00°36'40"W, 2638.30'
1969.70'
668.60'

CALCULATED
LOCATION
Y= 56306.647
X=290116.358

PI STA = 84+64.51
Y = 54472.856
X = 290955.156
DELTA = 1°14'44"
D = 0°31'15"
T = 119.56'
L = 239.11'
R = 11000.00'
PC STA = 83+44.95
PT STA = 85+84.06

PI STA = 94+06.54
Y = 55406.243
X = 290827.759
DELTA = 12°03'21"
D = 2°56'18"
T = 205.91'
L = 410.30'
R = 1950.00'
PC STA = 92+00.63
PT STA = 96+10.94

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
316	96+27.43	34.64'
317	96+26.81	31.35'
2037	96+10.94	31.27'
2038	96+10.94	34.73'

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
2515	95+50.00	64.00'
2518	97+40.00	65.00'
2521	97+40.00	33.60'
2604	97+10.00	50.00'
2605	97+10.00	32.12'
2606	97+30.00	50.00'
2607	97+30.00	32.31'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3013	95+00.00	55.00'
3022	97+40.00	50.00'

PI STA 98+31.57
Y = 55831.595
X = 290859.619
Δ = 00°25'14"

PI STA 103+26.31
Y = 56324.675
X = 290900.193
Δ = 00°43'01"

11
MENOMINEE INDIAN
SCHOOL DISTRICT
LOT 1 CSM
VOL. 1 PG. 83

TOWN OF MENOMINEE

NW-NW SEC 36

S89°23'20"E 700.64'

PLE FOR DRAINAGE

WISCONSIN POWER AND LIGHT COMPANY

TLE FOR GRADING

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

2515 2038 316 2518 3022 2521

SLOPE INTERCEPT

STH 47

MATCHLINE STA. 94+25

MATCHLINE STA. 100+00

95+00 96+00 PT: 96+10.94 97+00 N04°17'01"E 98+00 PI: 98+31.57 99+00 N04°42'15"E 100

REFERENCE LINE
PROJECT T09-1(22)

33' 33' 66'

139 140 IP IP 2605 2607 2037 317 2604 2606 203

MITW UTILITIES

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

MITW UTILITIES

3013

TLE FOR GRADING

MENOMINEE INDIAN SCHOOL DISTRICT
10' EASEMENT
VOL. 70 PG. 996 DOC. 26183
PARCEL 12

PLE FOR DRAINAGE

MENOMINEE INDIAN SCHOOL DISTRICT
10' EASEMENT
VOL. 70 PG. 997 DOC. 26184
PARCEL 12 & 13

WISCONSIN POWER AND LIGHT COMPANY

MENOMINEE INDIAN TRIBE OF WISCONSIN
15' SIDEWALK, WATER AND SEWER EASEMENT
VOL. 72 PG. 295 DOC. 26750
PARCEL 12

12
KENNETH A. FISH
LOT 2 CSM 197
VOL. 3 PG. 332

NW-NW SEC 36

13
WOLF RIVER
DEVELOPMENT COMPANY
LOT 1 CSM 197
VOL. 3 PG. 332

MENOMINEE INDIAN
SCHOOL DISTRICT
LOT 1 CSM 82
VOL. 3 PG. 93

11

ACCESS CONTROL ESTABLISHED
BY ACCESS COVENANTS
RECORDED AS
VOL. 70, PG. 624, DOC. 26105
AND
VOL. 70, PG. 889-890, DOC. 26153

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), CSM VOL. 1 PG. 83, CSM 82 VOL. 3 PG. 93 AND CSM 197 VOL. 3 PG. 332.

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
314 - 316	CURVE	
314 - 2038	CURVE	
2038 - 316	CURVE	
316 - 2028	N04°48'52"E	617.82'
315 - 317	CURVE	
315 - 2037	CURVE	
2037 - 317	CURVE	
317 - 325	N04°48'52"E	630.09'

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
314 - 316	1943.08'	433.79'	432.89'	N01°34'52"W
314 - 2038	1943.08'	417.30'	416.50'	N01°49'27"W
2038 - 316	1943.08'	16.49'	16.49'	N04°34'17"E
315 - 317	1877.08'	419.06'	418.19'	N01°34'52"W
315 - 2037	1877.08'	403.18'	402.40'	N01°49'24"W
2037 - 317	1877.08'	15.88'	15.88'	N04°34'20"E

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
316 - 2508	CURVE	
2510 - 2515	N00°27'01"W	154.82'
2515 - 2518	N03°41'30"E	192.00'
2518 - 2521	S85°42'59"E	31.40'
2521 - 316	S04°48'52"W	112.58'
316 - 317	S85°11'08"E	66.00'
317 - 2605	N04°48'52"E	83.19'
2605 - 2607	N04°48'52"E	20.00'
2607 - 2606	S85°42'59"E	17.69'
2606 - 2604	S04°17'01"W	20.00'
2604 - 2605	N85°42'59"W	17.88'

PLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
316 - 2508	1943.08'	332.95'	332.55'	S00°05'40"E

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2028 - 2521	S04°48'52"W	505.25'
2521 - 3022	N85°42'59"W	16.40'
3022 - 3023	N04°16'45"E	360.37'
317 - 2605	N04°48'52"E	83.19'
2605 - 2604	S85°42'59"E	17.88'
2604 - 3013	S02°03'01"W	206.97'
3013 - 3012	S01°10'47"E	145.73'
317 - 2607	N04°48'52"E	103.19'
3015 - 2606	S04°23'51"W	512.64'
2606 - 2607	N85°42'59"W	17.69'
2607 - 325	N04°48'52"E	526.90'

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
139	55625.122	290875.595	1" IRON PIPE FOUND
140	55638.692	290876.742	1" IRON PIPE FOUND

REVISION DATE 7/29/19 NC	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.08
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

PI STA 98+31.57
Y = 55831.595
X = 290859.619
Δ = 00°25'14"

PI STA 103+26.31
Y = 56324.675
X = 290900.193
Δ = 00°43'01"

PI: 108+16.38
Y = 56812.881
X = 290942.909
Δ = 01°06'38"

NSIGHT TOWER HOLDINGS II, LLC
30' INGRESS/EGRESS/UTILITY EASEMENT
VOL. 102 PG. 135 DOC. 34327
PARCEL 11

CALCULATED
LOCATION
Y= 56306.647
X=290116.358

MENOMINEE INDIAN
SCHOOL DISTRICT

LOT 1 CSM
VOL. 1 PG. 83

LOT 2 CSM
VOL. 1 PG. 83

TOWN OF MENOMINEE

NW-NW SEC 36

SW-SW SEC 25

WISCONSIN POWER
AND LIGHT COMPANY

MITW UTILITIES

MENOMINEE INDIAN TRIBE OF WISCONSIN
20' UTILITY EASEMENT
VOL. 64 PG. 724 DOC. 24530
PARCEL 11

IDENTICAL POINTS

693.40'

MATCHLINE STA. 100+00

MATCHLINE STA. 106+00

STH 47

REFERENCE LINE
PROJECT T09-1(22)

PI: 103+26.31

SLOPE INTERCEPT

TLE FOR GRADING

FRONTIER COMMUNICATIONS

FRONTIER COMMUNICATIONS
OF WISCONSIN, LLC

MENOMINEE INDIAN TRIBE OF WISCONSIN
15' SIDEWALK EASEMENT
VOL. 72 PG. 296 DOC. 26751
PARCEL 12 & 13

MENOMINEE INDIAN SCHOOL DISTRICT
10' EASEMENT
VOL. 70 PG. 997 DOC. 26184
PARCEL 12 & 13

SECTION LINE

121.94'

66'

N88°45'06"W 2631.40'

1816.06'

WARRINGTON ROAD

WOLF RIVER
DEVELOPMENT COMPANY

LOT 1 CSM 197
VOL. 3 PG. 332

FRONTIER COMMUNICATIONS
OF WISCONSIN, LLC
EASEMENT
VOL. 33 PG. 339 DOC. 10311
PARCEL 11

BLOCK 1

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), CSM VOL. 1 PG. 83, CSM 82 VOL. 3 PG. 93 CSM 197 VOL. 3 PG. 332 AND ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA. EXISTING RIGHT OF WAY FOR WARRINGTON ROAD IS ESTABLISHED BY CSM 82 VOL. 3 PG. 93 CSM 197 AND ASSESSOR'S PLAT NO. 1.

SURVEY NAIL
FOUND
Y= 56249.314
X=292747.135

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
141	56252.940	290928.474	1" IRON PIPE FOUND

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
322	103+23.27	34.20'
325	102+57.14	34.07'
2000	103+24.95	62.15'
2001	103+43.00	51.00'
2028	102+45.00	31.95'
2029	102+50.00	82.00'
2030	102+95.00	89.00'
2033	103+35.00	31.83'
2065	102+85.86	87.58'
2066	102+93.21	34.14'
2078	103+46.00	34.14'
2131	103+03.00	65.00'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3015	102+43.00	48.00'
3016	102+51.49	139.60'
3023	101+00.00	52.00'
3037	103+25.78	75.84'
3038	103+60.00	43.00'
3182	102+35.00	48.00'
3183	103+26.31	46.00'
3193	103+04.88	90.54'
3194	102+43.50	140.08'
3195	102+45.92	180.01'
3196	102+53.90	179.53'
3197	102+68.67	225.00'

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
316 - 2028	N04°48'52"E	617.82'
2028 - 2029	N79°35'26"W	50.29'
2029 - 2065	N04°08'16"W	36.29'
2065 - 2030	N04°08'16"W	9.25'
2030 - 2131	N76°16'09"E	25.30'
2131 - 2033	N50°37'41"E	46.24'
2033 - 2028	S04°48'52"W	90.16'
2033 - 318	N04°48'52"E	483.88'
317 - 325	N04°48'52"E	630.09'
325 - 2066	N04°48'52"E	36.07'
2066 - 322	N04°48'52"E	30.06'
322 - 2078	N04°48'52"E	22.56'
322 - 2000	S88°45'06"E	28.00'
2000 - 2001	N27°10'38"W	20.94'
2001 - 2078	N74°54'40"W	17.13'
2078 - 319	N04°48'52"E	473.10'

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
3022 - 3023	N04°16'45"E	360.37'
3023 - 3182	N06°24'04"E	135.06'
3182 - 2029	N61°29'24"W	37.16'
2030 - 3193	N04°08'16"W	10.00'
3193 - 3183	N68°45'30"E	49.53'
3183 - 3024	N05°00'02"E	448.69'
325 - 3197	S88°45'06"E	191.28'
3197 - 3196	S76°42'43"W	47.81'
3196 - 3195	S01°14'54"W	8.00'
3195 - 3194	N88°45'06"W	40.00'
3194 - 3016	N01°14'54"E	8.00'
3016 - 3015	S89°24'31"W	91.99'
3015 - 2606	S04°23'51"W	512.64'
2607 - 325	N04°48'52"E	526.90'
3039 - 3038	S05°00'02"W	450.00'
3038 - 3037	S39°18'07"E	47.25'
3037 - 2000	N88°45'06"W	13.88'

REVISION DATE 7/29/19 NC

DATE: MAY 2017

GRID FACTOR N/A

SCALE, FEET 0 20 40

HWY: STH 47

COUNTY: MENOMINEE

STATE R/W PROJECT NUMBER 9650-17-20/22

CONSTRUCTION PROJECT NUMBER 9650-17-70

PLAT SHEET 4.09

PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:32 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 75

PI STA 103+26.31
Y = 56324.675
X = 290900.193
Δ = 00°43'01"

PI STA 108+16.38
Y = 56812.881
X = 290942.909
Δ = 01°06'38"

CALCULATED
LOCATION
Y= 56306.647
X=290116.358

PI STA 109+04.73
Y = 56900.727
X = 290952.315
Δ = 00°08'46"

2" IRON PIPE
FOUND
Y= 58940.833
X=290143.594

S00°35'33"W, 2634.33'
519.81'
2114.52'

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
318	108+18.23	33.44'
319	108+19.72	32.54'
320	111+04.04	36.86'
321	111+04.06	29.14'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3024	107+75.00	46.00'
3027	110+25.00	47.00'
3028	111+00.00	40.00'
3039	108+10.00	43.00'
3040	111+00.00	38.00'
3198	108+25.00	40.00'

PI STA 119+72.05
Y = 57961.687
X = 291068.643
Δ = 01°02'15"

TOWN OF MENOMINEE

SW-SW SEC 25

11
MENOMINEE INDIAN SCHOOL DISTRICT
LOT 1 CSM
VOL. 1 PG. 83

14

204 NSIGHT TOWER HOLDINGS II, LLC
15' UTILITY EASEMENT
VOL. 102 PG. 135 DOC. 34327
PARCEL 11

GUY KESHENA, A SINGLE MAN, FOR AND ON BEHALF OF MITW
LOT 1 CSM 195
VOL. 2 PG. 195

S89°24'27"E 788.17'

TLE FOR GRADING

203 MITW UTILITIES

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

WISCONSIN POWER AND LIGHT COMPANY

3024 318 3198 3027 3028 320

MATCHLINE STA. 106+00

STH 47

N05°00'02"E 107+00 108+00 PI: 108+16.38 N06°06'40"E 109+00 PI: 109+04.73 110+00 111+00 N06°15'26"E

99' 33' 33'

SLOPE INTERCEPT

REFERENCE LINE
PROJECT T09-1(22)

MATCHLINE STA. 111+50

MITW UTILITIES

WISCONSIN POWER AND LIGHT COMPANY

3039 319 321 3040

SIGN

TLE FOR GRADING

11
MENOMINEE INDIAN SCHOOL DISTRICT

200 FRONTIER COMMUNICATIONS OF WISCONSIN, LLC
EASEMENT
VOL. 33 PG. 339 DOC. 10311
PARCEL 11

SW-SW SEC 25

BLOCK 1

SCHOOL

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2033 - 318	N04°48'52"E	483.88'
318 - 320	CURVE	
320 - 779	N06°14'24"E	193.65'
2078 - 319	N04°48'52"E	473.10'
319 - 321	CURVE	
321 - 2024	N06°14'24"E	72.59'

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
318 - 320	11492.30'	285.93'	285.92'	N05°31'38"E
319 - 321	11426.30'	284.29'	284.28'	N05°31'38"E

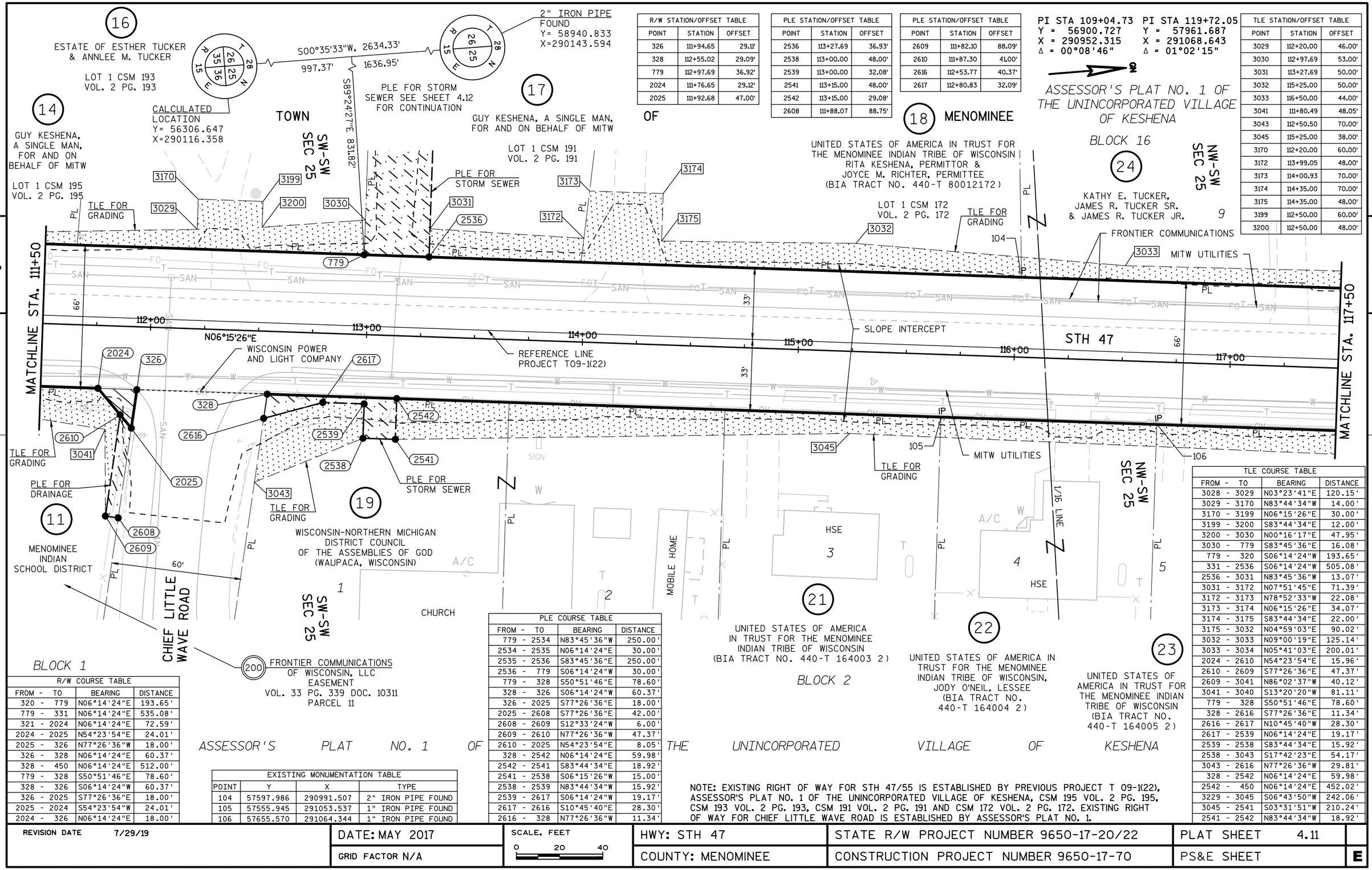
TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
3183 - 3024	N05°00'02"E	448.69'
3024 - 3198	N11°56'03"E	51.15'
3198 - 3027	N04°11'44"E	200.23'
3027 - 3028	N11°35'22"E	75.33'
3028 - 3029	N03°23'41"E	120.15'
3041 - 3040	S13°20'20"W	81.11'
3040 - 3039	S05°11'45"W	289.10'
3039 - 3038	S05°00'02"W	450.00'

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA CSM VOL. 1 PG. 83 AND CSM 195 VOL. 2 PG. 195.

REVISION DATE 7/29/19 NC	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.10
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:32 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 75



R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
326	111+94.65	29.11'
328	112+55.02	29.09'
779	112+97.69	36.92'
2024	111+76.65	29.12'
2025	111+92.68	47.00'

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
2536	113+27.69	36.93'
2538	113+00.00	48.00'
2539	113+00.00	32.08'
2541	113+15.00	48.00'
2542	113+15.00	29.08'
2608	111+88.07	88.75'

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
2609	111+82.10	88.09'
2610	111+87.30	41.00'
2616	112+53.77	40.37'
2617	112+80.83	32.09'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3029	112+20.00	46.00'
3030	112+97.69	53.00'
3031	113+27.69	50.00'
3032	115+25.00	50.00'
3033	116+50.00	44.00'
3041	111+80.49	48.05'
3043	112+50.50	70.00'
3045	115+25.00	38.00'
3170	112+20.00	60.00'
3172	113+99.05	48.00'
3173	114+00.93	70.00'
3174	114+35.00	70.00'
3175	114+35.00	48.00'
3199	112+50.00	60.00'
3200	112+50.00	48.00'

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
320 - 779	N06°14'24"E	193.65'
779 - 331	N06°14'24"E	535.08'
321 - 2024	N06°14'24"E	72.59'
2024 - 2025	N54°23'54"E	24.01'
2025 - 326	N77°26'36"W	18.00'
326 - 328	N06°14'24"E	60.37'
328 - 450	N06°14'24"E	512.00'
779 - 328	S50°51'46"E	78.60'
328 - 326	S06°14'24"W	60.37'
326 - 2025	S77°26'36"E	18.00'
2025 - 2024	S54°23'54"W	24.01'
2024 - 326	N06°14'24"E	18.00'

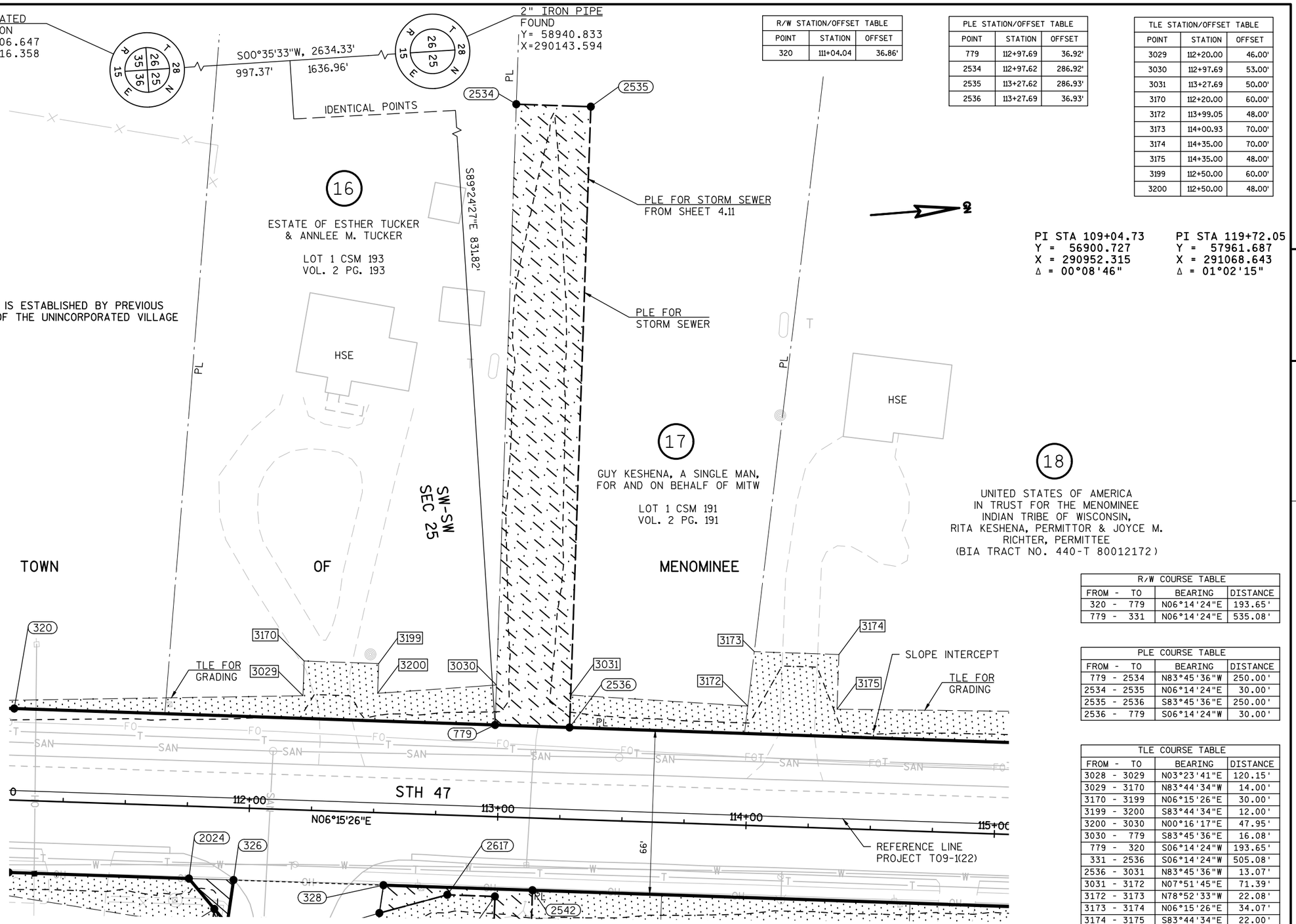
EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
104	57597.986	290991.507	2" IRON PIPE FOUND
105	57555.945	291053.537	1" IRON PIPE FOUND
106	57655.570	291064.344	1" IRON PIPE FOUND

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
779 - 2534	N83°45'36"W	250.00'
2534 - 2535	N06°14'24"E	30.00'
2535 - 2536	S83°45'36"E	250.00'
2536 - 779	S06°14'24"W	30.00'
779 - 328	S50°51'46"E	78.60'
328 - 326	S06°14'24"W	60.37'
326 - 2025	S77°26'36"E	18.00'
2025 - 2608	S77°26'36"E	42.00'
2608 - 2609	S12°33'24"W	6.00'
2609 - 2610	N77°26'36"W	47.37'
2610 - 2025	N54°23'54"E	8.05'
328 - 2542	N06°14'24"E	59.98'
2542 - 2541	S83°44'34"E	18.92'
2541 - 2538	S06°15'26"W	15.00'
2538 - 2539	N83°44'34"W	15.92'
2539 - 2617	S06°14'24"W	19.17'
2617 - 2616	S10°45'40"E	28.30'
2616 - 328	N77°26'36"W	11.34'

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
3028 - 3029	N03°23'41"E	120.15'
3029 - 3170	N83°44'34"W	14.00'
3170 - 3199	N06°15'26"E	30.00'
3199 - 3200	S83°44'34"E	12.00'
3200 - 3030	N00°16'17"E	47.95'
3030 - 779	S83°45'36"E	16.08'
779 - 320	S06°14'24"W	193.65'
331 - 2536	S06°14'24"W	505.08'
2536 - 3031	N83°45'36"W	13.07'
3031 - 3172	N07°51'45"E	71.39'
3172 - 3173	N78°52'33"W	22.08'
3173 - 3174	N06°15'26"E	34.07'
3174 - 3175	S83°44'34"E	22.00'
3175 - 3032	N04°59'03"E	90.02'
3032 - 3033	N09°00'19"E	125.14'
3033 - 3034	N05°41'03"E	200.01'
2024 - 2610	N54°23'54"E	15.96'
2610 - 2609	S77°26'36"E	47.37'
2609 - 3041	N86°02'37"W	40.12'
3041 - 3040	S13°20'20"W	81.11'
779 - 328	S50°51'46"E	78.60'
328 - 2616	S77°26'36"E	11.34'
2616 - 2617	N10°45'40"W	28.30'
2617 - 2539	N06°14'24"E	19.17'
2539 - 2538	S83°44'34"E	15.92'
2538 - 3043	S17°42'23"E	54.17'
3043 - 2616	N77°26'36"W	29.81'
328 - 2542	N06°14'24"E	59.98'
2542 - 450	N06°14'24"E	452.02'
3229 - 3045	S06°43'50"W	242.06'
3045 - 2541	S03°31'51"W	210.24'
2541 - 2542	N83°44'34"W	18.92'

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA, CSM 195 VOL. 2 PG. 195, CSM 193 VOL. 2 PG. 193, CSM 191 VOL. 2 PG. 191 AND CSM 172 VOL. 2 PG. 172. EXISTING RIGHT OF WAY FOR CHIEF LITTLE WAVE ROAD IS ESTABLISHED BY ASSESSOR'S PLAT NO. 1.

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.11
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E



R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
320	111+04.04	36.86'

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
779	112+97.69	36.92'
2534	112+97.62	286.92'
2535	113+27.62	286.93'
2536	113+27.69	36.93'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3029	112+20.00	46.00'
3030	112+97.69	53.00'
3031	113+27.69	50.00'
3170	112+20.00	60.00'
3172	113+99.05	48.00'
3173	114+00.93	70.00'
3174	114+35.00	70.00'
3175	114+35.00	48.00'
3199	112+50.00	60.00'
3200	112+50.00	48.00'

PI STA 109+04.73
Y = 56900.727
X = 290952.315
Δ = 00°08'46"

PI STA 119+72.05
Y = 57961.687
X = 291068.643
Δ = 01°02'15"

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA AND CSM 193 VOL. 2 PG. 193.

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
320 - 779	N06°14'24"E	193.65'
779 - 331	N06°14'24"E	535.08'

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
779 - 2534	N83°45'36"W	250.00'
2534 - 2535	N06°14'24"E	30.00'
2535 - 2536	S83°45'36"E	250.00'
2536 - 779	S06°14'24"W	30.00'

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
3028 - 3029	N03°23'41"E	120.15'
3029 - 3170	N83°44'34"W	14.00'
3170 - 3199	N06°15'26"E	30.00'
3199 - 3200	S83°44'34"E	12.00'
3200 - 3030	N00°16'17"E	47.95'
3030 - 779	S83°45'36"E	16.08'
779 - 320	S06°14'24"W	193.65'
331 - 2536	S06°14'24"W	505.08'
2536 - 3031	N83°45'36"W	13.07'
3031 - 3172	N07°51'45"E	71.39'
3172 - 3173	N78°52'33"W	22.08'
3173 - 3174	N06°15'26"E	34.07'
3174 - 3175	S83°44'34"E	22.00'
3175 - 3032	N04°59'03"E	90.02'

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.12
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:32 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 75

CALCULATED LOCATION
Y= 56306.647
X=290116.358

S00°35'33"W, 2634.33'
1529.86' 1104.47'

2" IRON PIPE FOUND
Y= 58940.833
X=290143.594

PI STA 109+04.73
Y = 56900.727
X = 290952.315
Δ = 00°08'46"

PI STA 119+72.05
Y = 57961.687
X = 291068.643
Δ = 01°02'15"

PI STA 122+69.88
Y = 58258.282
X = 291095.738
Δ = 00°08'30"

PI STA = 127+79.68
Y = 58766.080
X = 291140.861
DELTA = 17°24'11"
D = 3°57'05"
T = 221.92'
L = 440.42'
R = 1450.00'
PC STA = 125+57.76
PT STA = 129+98.18

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

TOWN OF MENOMINEE

BLOCK 16

BLOCK 15

S89°24'27"E 884.48'

N06°15'26"E

N05°13'11"E

N05°04'41"E

SLOPE INTERCEPT

REFERENCE LINE
PROJECT T09-1(22)

MORRIN STREET

NW-SW SEC 25

MATCHLINE STA. 117+50

MATCHLINE STA. 123+50

24
KATHY E. TUCKER, JAMES R. TUCKER SR. & JAMES R. TUCKER JR.

201 WISCONSIN POWER AND LIGHT COMPANY

26
PERSHING FRECHETTE & PAMELA FRECHETTE
LOT 1 CSM 74
VOL. 3 PG. 84

200 FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

34
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 1640011 15)

36
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 1640010 15)

23
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 164005 3)

27
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN
CAROL J. KAQUATOSH, LESSEE
(BIA TRACT NO. 440-T 164006 2)

28
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN; BILL OF SALE TO CANDICE M. DANIELS & ROGERINE P. WYCHESIT
(BIA TRACT NO. 440-T 164007 2)

29 AMY MENCHACA

31
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN; MENOMINEE INDIAN TRIBE, PERMITTOR, KATERINA WYCHESIT, PERMITTEE
(BIA TRACT NO. 440-T 164009 2)

HSE

ALLEY

WISCONSIN POWER AND LIGHT COMPANY

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

MITW UTILITIES

TLE FOR GRADING

STH 47

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3026	121+15.00	45.00'
3034	118+50.00	46.00'
3035	119+50.00	42.00'
3044	119+25.00	41.00'
3046	120+00.00	38.00'
3047	121+15.00	28.24'
3201	120+10.00	42.00'
3202	120+36.34	50.00'
3203	121+01.16	95.50'
3204	121+10.78	92.78'
3205	121+00.99	58.14'
3208	121+20.00	45.00'
3229	117+67.05	40.00'
3230	117+92.05	40.00'

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
107	118+32.79	28.92'
331	118+32.77	37.08'
332	120+32.88	37.78'
333	120+32.86	28.22'
337	120+84.84	37.77'
450	117+67.02	28.94'
451	117+92.02	28.93'
2002	120+88.65	51.24'
2003	120+94.84	37.76'

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
779 - 331	N06°14'24"E	535.08'
331 - 332	CURVE	
332 - 337	N05°14'24"E	51.95'
337 - 2002	N68°59'36"W	14.00'
2002 - 2003	N70°32'38"E	14.83'
2003 - 337	S05°14'24"W	10.00'
2003 - 2039	N05°14'24"E	462.83'
328 - 450	N06°14'24"E	512.00'
450 - 451	N06°14'24"E	25.00'
451 - 107	N06°14'24"E	40.77'
107 - 333	CURVE	
333 - 2040	N05°14'24"E	524.97'

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
107	57820.105	291082.213	2" IRON PIPE FOUND
108	58026.539	291035.882	CONC. MON./ALUM. CAP
109	58174.723	291116.175	1" IRON PIPE FOUND

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
331 - 332	11426.30'	199.43'	199.42'	N05°44'24"E
107 - 333	11492.30'	200.58'	200.58'	N05°44'24"E

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
3033 - 3034	N05°41'03"E	200.01'
3034 - 3035	N08°32'52"E	100.08'
3035 - 3201	N05°35'57"E	59.24'
3201 - 3202	N11°40'40"W	27.52'
3202 - 332	S68°59'36"E	12.69'
2002 - 3203	N68°59'36"W	46.00'
3203 - 3204	N21°00'24"E	10.00'
3204 - 3205	S68°59'36"E	36.00'
3205 - 3208	N39°52'13"E	23.11'
3208 - 3053	N05°23'10"E	254.89'
2542 - 450	N06°14'24"E	452.02'

TLE COURSE TABLE (CONTINUED)		
FROM - TO	BEARING	DISTANCE
450 - 3229	S83°53'36"E	11.06'
3229 - 3045	S06°43'50"W	242.06'
331 - 107	S83°45'35"E	66.00'
333 - 3047	N05°14'24"E	82.14'
3047 - 3026	S84°46'49"E	16.76'
3026 - 3046	S08°42'10"W	115.21'
3046 - 3044	S03°36'00"W	75.76'
3044 - 3230	S06°41'17"W	132.96'
3230 - 451	N83°53'36"W	11.07'

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA AND CSM 74 VOL. 3 PG. 84. EXISTING RIGHT OF WAY FOR MORRIN STREET IS ESTABLISHED BY ASSESSOR'S PLAT NO. 1.

REVISION DATE 7/29/19

DATE: MAY 2017

GRID FACTOR N/A

SCALE, FEET 0 20 40

HWY: STH 47

COUNTY: MENOMINEE

STATE R/W PROJECT NUMBER 9650-17-20/22

CONSTRUCTION PROJECT NUMBER 9650-17-70

PLAT SHEET 4.13

PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:32 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 75

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
334	126+10.03	35.82'
337	120+84.84	37.77'
345	127+12.40	32.90'
346	127+12.74	49.89'
795	125+72.27	29.23'

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
796	125+90.28	45.10'
797	126+48.25	49.60'
798	126+70.14	32.15'
2039	125+57.76	36.89'
2040	125+57.76	29.11'

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
2544	125+40.00	73.00'
2545	125+40.00	36.94'
2547	125+60.00	73.00'
2548	125+60.00	36.88'
2550	127+95.00	48.00'
2551	127+95.00	34.06'
2553	128+05.00	48.00'
2554	128+05.00	34.09'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3049	125+89.97	58.07'
3050	125+80.00	47.00'
3053	123+75.00	44.00'
3178	126+33.00	50.00'
3179	126+33.00	60.00'
3180	126+58.00	60.00'
3181	126+58.00	50.00'

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
142	58557.984	291152.355	3/4" REBAR FOUND
144	58636.854	291173.912	3/4" REBAR FOUND
145	58656.368	291159.354	3/4" REBAR FOUND

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA AND TRANSPORTATION PROJECT PLAT 9650-15-21-4.01. EXISTING RIGHT OF WAY FOR CHIEF CARRON ROAD IS ESTABLISHED BY ASSESSOR'S PLAT NO. 1 AND TRANSPORTATION PROJECT PLAT 9650-15-21-4.01.

S00°35'33"W, 2634.33'

2302.34' 331.99'

2" IRON PIPE FOUND
Y= 58940.833
X=290143.594

CALCULATED LOCATION
Y= 56306.647
X=290116.358

S89°24'27"E 949.02'

UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN, JOSEPH G. WAUKECHON JR. & MILA MAE WAUKECHON, ASSIGNEE (BIA TRACT NO. 440-T 164009 15)

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

PI STA 122+69.88
Y = 58258.282
X = 291095.738
Δ = 00°08'30"

PI STA = 127+79.68
Y = 58766.080
X = 291140.861
DELTA = 17°24'11"
D = 3°57'05"
T = 221.92'
L = 440.42'
R = 1450.00'
PC STA = 125+57.76
PT STA = 129+98.18

UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 1640010 15)

TOWN OF MENOMINEE

NW-SW SEC 25

BLOCK 15

GAR.

HSE 8

HSE 7

PLE FOR DRAINAGE

TLE FOR GRADING

SLOPE INTERCEPT

MITW UTILITIES

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

MATCHLINE STA. 123+50

MATCHLINE STA. 129+00

STH 47

N05°04'41"E

PC: 125+57.76

PI: 127+79.68

REFERENCE LINE PROJECT T09-1(22)

WISCONSIN POWER AND LIGHT COMPANY

CHIEF CARRON ROAD

NW-SW SEC 25

SOSAEH WAUKECHON HSE

MENOMINEE PROPANE, INC.

MENOMINEE GAS, INC.

OFFICE

RONALD SKENANDORE & CAROL SKENANDORE

BLOCK 2

BLOCK 3

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
3208 - 3053	N05°23'10"E	254.89'
3053 - 2544	N04°53'25"W	167.53'
2544 - 2545	S84°55'19"E	36.06'
2545 - 2003	S05°14'24"W	445.07'
334 - 2548	S05°14'24"W	48.78'
2548 - 2547	N85°00'38"W	36.12'
2547 - 3050	N58°11'20"E	32.30'
3050 - 3178	N00°11'57"W	51.31'
3178 - 3179	N87°53'42"W	10.00'
3179 - 3180	N01°36'40"E	23.97'
3180 - 3181	S88°52'58"E	10.00'
3181 - 346	N00°09'02"E	52.85'
334 - 796	S72°50'43"E	83.31'
796 - 3049	S84°45'36"E	12.97'
3049 - 2040	S45°33'21"W	44.04'
2040 - 795	N05°14'24"E	14.80'
334 - 797	N68°02'50"E	93.66'
797 - 798	N36°43'26"W	28.48'
798 - 2551	CURVE	
2551 - 2550	N85°42'13"E	13.94'
2550 - 797	S02°00'07"E	151.63'
3060 - 2553	S10°37'09"E	160.12'
2553 - 2554	S85°18'31"W	13.91'
2554 - 2071	CURVE	

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2003 - 2039	N05°14'24"E	462.83'
2039 - 334	N05°14'24"E	50.96'
334 - 345	CURVE	
345 - 346	N89°54'24"W	17.00'
346 - 352	CURVE	
346 - 2070	CURVE	
333 - 2040	N05°14'24"E	524.97'
2040 - 795	N05°14'24"E	14.80'
795 - 796	N44°48'46"E	24.36'
796 - 797	N06°56'47"E	60.03'
797 - 798	N36°43'26"W	28.48'
798 - 2004	CURVE	
798 - 2071	CURVE	

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
334 - 345	1113.28'	100.00'	99.97'	N02°40'00"E
346 - 352	1096.28'	444.74'	441.69'	N11°31'42"W
346 - 2070	1096.28'	227.03'	226.62'	N05°50'21"W
798 - 2004	1179.28'	303.31'	302.47'	N05°14'16"W
798 - 2071	1179.28'	267.31'	266.73'	N04°21'48"W

PLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
798 - 2551	1179.28'	127.75'	127.69'	N00°58'23"W
2551 - 2554	1179.28'	10.24'	10.24'	N04°19'30"W

TLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
334 - 345	1113.28'	100.00'	99.97'	S02°40'00"W
798 - 2551	1179.28'	127.75'	127.69'	N00°58'23"W
2054 - 2071	1179.28'	129.32'	129.26'	N07°42'55"W

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
334 - 2548	S05°14'24"W	48.78'
2548 - 2545	S05°14'24"W	19.94'
2545 - 2544	N84°55'19"W	36.06'
2544 - 2547	N05°04'24"E	19.89'
2547 - 2548	S85°00'38"E	36.12'
334 - 797	N68°02'50"E	93.66'
797 - 798	N36°43'26"W	28.48'
798 - 2551	CURVE	
2551 - 2554	CURVE	
2554 - 2553	N85°18'31"E	13.91'
2553 - 2550	S04°29'38"E	10.33'
2550 - 2551	S85°42'13"W	13.94'

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.14
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA AND CSM 210 VOL. 4 PG. 16-18. EXISTING RIGHT OF WAY FOR WOLF COURT AND OUR CHILDRENS ROAD IS ESTABLISHED BY ASSESSOR'S PLAT NO. 1 AND CSM 210 VOL. 4 PG. 16-18. EXISTING RIGHT OF WAY FOR BROOKS LANE IS ESTABLISHED BY ASSESSOR'S PLAT NO. 1.

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
350	132+46.23	53.07'
352	131+77.32	53.51'
480	132+44.27	29.91'
485	131+85.48	29.51'
499	130+43.38	30.39'
500	129+82.23	31.60'
2004	129+66.58	32.05'
2005	129+78.15	47.05'
2006	130+41.17	37.00'
2008	130+52.00	37.00'
2009	130+52.00	30.27'
2010	131+65.96	29.47'
2011	131+83.85	44.91'
2041	129+98.18	51.95'
2042	130+32.96	52.45'
2070	129+47.75	50.49'
2071	129+31.37	32.90'

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
481	132+34.46	92.91'
486	131+80.83	74.80'
2522	132+65.00	56.00'
2523	133+60.00	50.00'
2556	131+62.29	72.88'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3060	129+60.29	40.00'
3061	129+75.03	59.09'
3062	130+30.96	68.38'
3064	130+57.00	39.00'
3065	131+65.13	39.00'
3227	131+66.02	76.17'
3228	131+60.00	53.53'

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
346 - 352	1096.28'	444.74'	441.69'	N11°31'42"W
346 - 2070	1096.28'	227.03'	226.62'	N05°50'21"W
2070 - 2041	1096.28'	48.68'	48.67'	N13°02'38"W
2041 - 2042	1096.28'	32.34'	32.34'	N15°09'40"W
2042 - 352	1096.28'	136.69'	136.60'	N19°34'42"W
350 - 349	1096.28'	175.40'	175.21'	N31°08'36"W
350 - 2043	1096.28'	147.46'	147.35'	N30°24'47"W
798 - 2004	1179.28'	303.31'	302.47'	N05°14'16"W
798 - 2071	1179.28'	267.31'	266.73'	N04°21'48"W
2071 - 2004	1179.28'	36.00'	36.00'	N11°43'53"W
2009 - 2010	1179.28'	117.35'	117.30'	N19°44'22"W
480 - 347	1179.28'	189.74'	189.54'	N31°07'03"W
480 - 2044	1179.28'	162.38'	162.25'	N30°27'10"W
2004 - 500	1179.28'	16.00'	16.00'	N12°59'41"W
2071 - 500	1179.28'	52.00'	52.00'	N12°07'13"W
499 - 2009	1179.28'	8.88'	8.88'	N16°40'23"W
499 - 2010	1179.28'	126.23'	126.17'	N19°31'26"W
2010 - 485	1179.28'	20.10'	20.10'	N23°04'43"W

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
352 - 3227	CURVE	
3227 - 3228	S81°30'27"W	23.33'
3228 - 352	N42°02'54"E	25.00'
2554 - 2071	CURVE	
2071 - 2004	CURVE	
2004 - 2005	N40°16'59"E	19.13'
2005 - 3061	S86°26'22"E	12.48'
3061 - 3060	S40°16'59"W	24.43'
3060 - 2553	S10°37'09"E	160.12'
2010 - 3065	N72°33'57"E	9.57'
3065 - 3064	S19°28'19"E	112.29'
3064 - 3062	S62°27'57"E	39.76'
3062 - 2006	N86°26'22"W	32.74'

TLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
2070 - 352	1096.28'	217.71'	217.35'	N17°27'40"W
352 - 3227	1096.28'	16.39'	16.39'	S22°43'19"E
2054 - 2071	1179.28'	129.32'	129.26'	N07°42'55"W

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
136	59034.724	291111.075	MAG NAIL FOUND
137	59172.126	291060.924	MAG NAIL FOUND

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
346 - 352	CURVE	
346 - 2070	CURVE	
2070 - 2041	CURVE	
2041 - 2042	CURVE	
2042 - 352	CURVE	
352 - 350	N24°51'18"W	65.23'
350 - 349	CURVE	
350 - 2043	CURVE	
798 - 2004	CURVE	
798 - 2071	CURVE	
2071 - 2004	CURVE	
2004 - 2005	N40°16'59"E	19.13'
2005 - 500	N86°26'22"W	16.00'
500 - 499	N14°55'14"W	63.26'
499 - 2006	S86°26'22"E	6.99'

R/W COURSE TABLE (CONTINUED)		
FROM - TO	BEARING	DISTANCE
2006 - 2008	N15°46'40"W	11.23'
2008 - 2009	S73°54'44"W	6.73'
2009 - 2010	CURVE	
2010 - 2011	N16°37'52"E	24.14'
2011 - 485	S72°33'57"W	15.50'
485 - 480	N25°02'15"W	60.53'
480 - 347	CURVE	
480 - 2044	CURVE	
2070 - 2071	S88°57'52"E	84.96'
2071 - 500	CURVE	
2004 - 500	CURVE	
499 - 2009	CURVE	
499 - 2010	CURVE	
2010 - 485	CURVE	

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2011 - 486	N72°33'57"E	30.06'
486 - 2556	S17°26'03"E	20.00'
2556 - 2010	S72°33'57"W	43.58'
2010 - 2011	N16°37'52"E	24.14'
2524 - 2523	S35°26'44"E	77.08'
2523 - 2522	S34°26'36"E	100.18'
2522 - 481	S75°46'28"E	49.38'
481 - 480	S72°33'57"W	63.85'

2" IRON PIPE FOUND
Y= 58940.833
X=290143.594

1.5" IRON PIPE BRASS CAP FOUND
Y= 58846.098
X=295384.342

PI STA = 127+79.68
Y = 58766.080
X = 291140.861
DELTA = 17°24'11"
D = 3°57'05"
T = 221.92'
L = 440.42'
R = 1450.00'
PC STA = 125+57.76
PT STA = 129+98.18

PI STA 130+08.15
Y = 58992.627
X = 291091.362
Δ = 02°40'18"

PI STA = 132+19.44
Y = 59196.719
X = 291036.688
DELTA = 21°07'37"
D = 5°43'46"
T = 186.49'
L = 368.73'
R = 1000.00'
PC STA = 130+32.96
PT STA = 134+01.69

PT: 129+98.18
PI: 130+08.15
PC: 130+32.96
PI: 132+19.44

130+00 N14°59'48"W
N12°19'30"W
S88°57'52"E 5241.60'
4246.36'
910.28'

TOWN OF MENOMINEE

ANTHONY WAUPOCHICK JR. & FAY A. WAUPOCHICK

RONALD SKENANDORE & CAROL SKENANDORE

MENOMINEE INDIAN TRIBE OF WISCONSIN 20' UTILITY EASEMENT VOL. 62 PG. 202 DOC. 23941 PARCEL 44

TLE FOR GRADING FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

WISCONSIN POWER AND LIGHT COMPANY

UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 80012078)

LOT 3 CSM 210 VOL. 4 PG. 16-18

UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN

LOT 1 CSM 210 VOL. 4 PG. 16-18

LOT 1 CSM 210 VOL. 2 PG. 77

BLOCK 15

BLOCK 13

BLOCK 3

OUTLOT 1

NO. 1

MATCHLINE STA. 129+00 NW-SW SEC 25

MATCHLINE STA. 134+00 SW-NW SEC 25

REFERENCE LINE PROJECT T09-1(22)

STH 47

BROOKS LANE

WOLF COURT

OUR CHILDRENS ROAD

TLE FOR GRADING

PLE FOR DRAINAGE

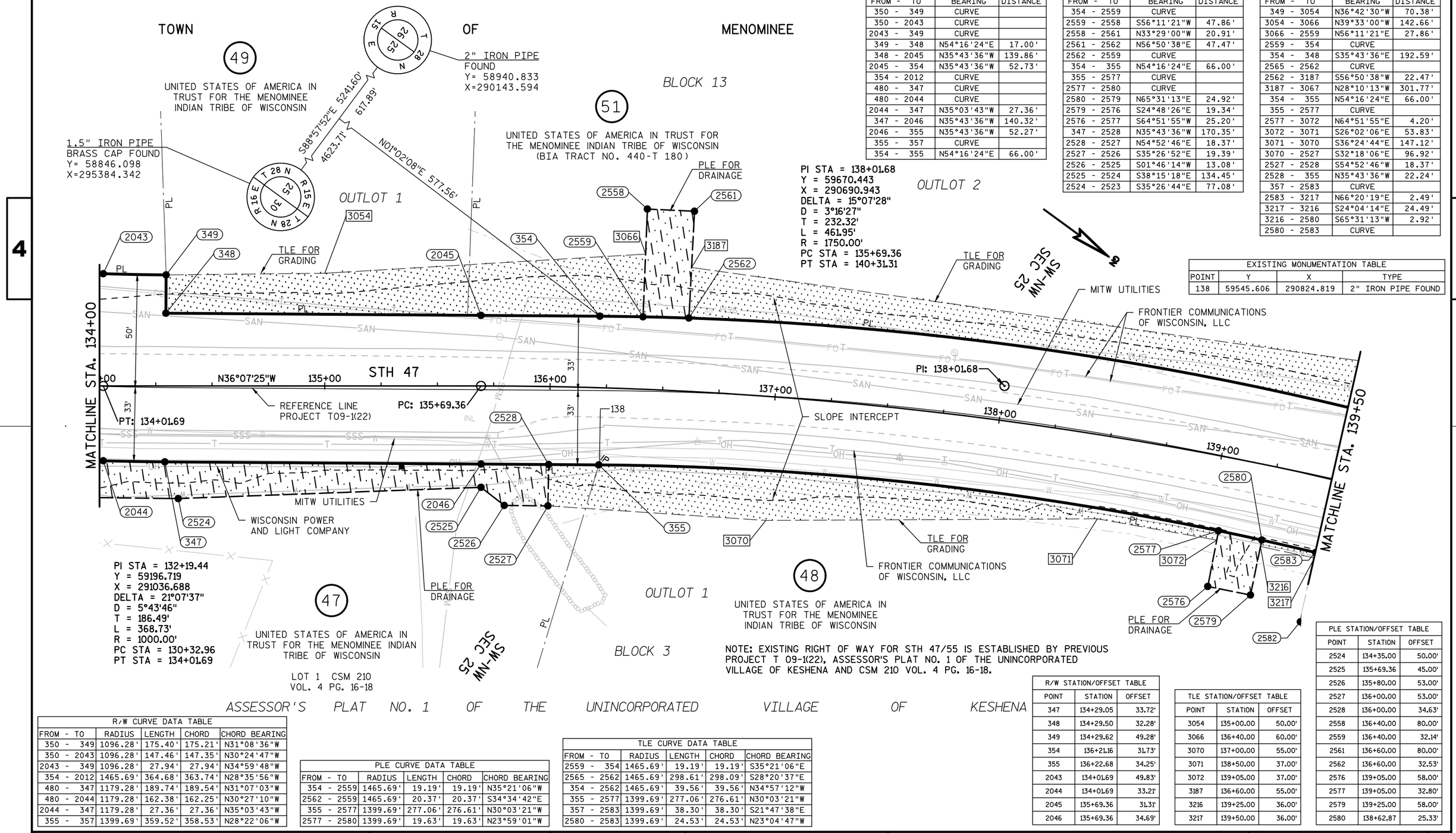
SLOPE INTERCEPT

MITW UTILITIES

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.15
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:33 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 75



R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
350 - 349	CURVE	
350 - 2043	CURVE	
2043 - 349	CURVE	
349 - 348	N54°16'24"E	17.00'
348 - 2045	N35°43'36"W	139.86'
2045 - 354	N35°43'36"W	52.73'
354 - 2012	CURVE	
480 - 347	CURVE	
480 - 2044	CURVE	
2044 - 347	N35°03'43"W	27.36'
347 - 2046	N35°43'36"W	140.32'
2046 - 355	N35°43'36"W	52.27'
355 - 357	CURVE	
354 - 355	N54°16'24"E	66.00'

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
354 - 2559	CURVE	
2559 - 2558	S56°11'21"W	47.86'
2558 - 2561	N33°29'00"W	20.91'
2561 - 2562	N56°50'38"E	47.47'
2562 - 2559	CURVE	
354 - 355	N54°16'24"E	66.00'
355 - 2577	CURVE	
2577 - 2580	CURVE	
2580 - 2579	N65°31'13"E	24.92'
2579 - 2576	S24°48'26"E	19.34'
2576 - 2577	S64°51'55"W	25.20'
347 - 2528	N35°43'36"W	170.35'
2528 - 2527	N54°52'46"E	18.37'
2527 - 2526	S35°26'52"E	19.39'
2526 - 2525	S01°46'14"W	13.08'
2525 - 2524	S38°15'18"E	134.45'
2524 - 2523	S35°26'44"E	77.08'

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
349 - 3054	N36°42'30"W	70.38'
3054 - 3066	N39°33'00"W	142.66'
3066 - 2559	N56°11'21"E	27.86'
2559 - 354	CURVE	
354 - 348	S35°43'36"E	192.59'
2565 - 2562	CURVE	
2562 - 3187	S56°50'38"W	22.47'
3187 - 3067	N28°10'13"W	301.77'
354 - 355	N54°16'24"E	66.00'
355 - 2577	CURVE	
2577 - 3072	N64°51'55"E	4.20'
3072 - 3071	S26°02'06"E	53.83'
3071 - 3070	S36°24'44"E	147.12'
3070 - 2527	S32°18'06"E	96.92'
2527 - 2528	S54°52'46"W	18.37'
2528 - 355	N35°43'36"W	22.24'
357 - 2583	CURVE	
2583 - 3217	N66°20'19"E	2.49'
3217 - 3216	S24°04'14"E	24.49'
3216 - 2580	S65°31'13"W	2.92'
2580 - 2583	CURVE	

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
138	59545.606	290824.819	2" IRON PIPE FOUND

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
350 - 349	1096.28'	175.40'	175.21'	N31°08'36"W
350 - 2043	1096.28'	147.46'	147.35'	N30°24'47"W
2043 - 349	1096.28'	27.94'	27.94'	N34°59'48"W
354 - 2012	1465.69'	364.68'	363.74'	N28°35'56"W
480 - 347	1179.28'	189.74'	189.54'	N31°07'03"W
480 - 2044	1179.28'	162.38'	162.25'	N30°27'10"W
2044 - 347	1179.28'	27.36'	27.36'	N35°03'43"W
355 - 357	1399.69'	359.52'	358.53'	N28°22'06"W

PLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
354 - 2559	1465.69'	19.19'	19.19'	N35°21'06"W
2562 - 2559	1465.69'	20.37'	20.37'	S34°34'42"E
355 - 2577	1399.69'	277.06'	276.61'	N30°03'21"W
2577 - 2580	1399.69'	19.63'	19.63'	N23°59'01"W

TLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
2559 - 354	1465.69'	19.19'	19.19'	S35°21'06"E
2565 - 2562	1465.69'	298.61'	298.09'	S28°20'37"E
354 - 2562	1465.69'	39.56'	39.56'	N34°57'12"W
355 - 2577	1399.69'	277.06'	276.61'	N30°03'21"W
357 - 2583	1399.69'	38.30'	38.30'	S21°47'38"E
2580 - 2583	1399.69'	24.53'	24.53'	N23°04'47"W

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
347	134+29.05	33.72'
348	134+29.50	32.28'
349	134+29.62	49.28'
354	136+21.16	31.73'
355	136+22.68	34.25'
2043	134+01.69	49.83'
2044	134+01.69	33.21'
2045	135+69.36	31.31'
2046	135+69.36	34.69'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3054	135+00.00	50.00'
3066	136+40.00	60.00'
3070	137+00.00	55.00'
3071	138+50.00	37.00'
3072	139+05.00	37.00'
3187	136+60.00	55.00'
3216	139+25.00	36.00'
3217	139+50.00	36.00'

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
2524	134+35.00	50.00'
2525	135+69.36	45.00'
2526	135+80.00	53.00'
2527	136+00.00	53.00'
2528	136+00.00	34.63'
2558	136+40.00	80.00'
2559	136+40.00	32.14'
2561	136+60.00	80.00'
2562	136+60.00	32.53'
2576	139+05.00	58.00'
2577	139+05.00	32.80'
2579	139+25.00	58.00'
2580	138+62.87	25.33'

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.16
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA AND CSM 60 VOL. 3 PG. 64.

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
354 - 2012	1465.69'	364.68'	363.74'	N28°35'56"W
355 - 357	1399.69'	359.52'	358.53'	N28°22'06"W
852 - 2012	1465.69'	11.30'	11.30'	S21°15'00"E

PLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
2012 - 2565	1465.69'	26.51'	26.51'	S21°59'20"E
357 - 2586	1399.69'	8.87'	8.87'	S21°11'30"E
2583 - 2586	1399.69'	29.43'	29.43'	N21°58'32"W

TLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
2565 - 2562	1465.69'	298.61'	298.09'	S28°20'37"E
2586 - 357	1399.69'	8.87'	8.87'	N21°11'30"W

OUTLOT 2

51 UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 180)

TRIBAL OFFICE LOOP

INGRESS/EGRESS EASEMENT PER CSM 60 V.3 P.64

BLOCK 13

MITW UTILITIES

52 UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 164002 13)

TOWN OF MENOMINEE

53 CATHERINE W. HAWPETOSS

GAR.

16.50'

SW-NW SEC 25

54 SHANNON CHAPMAN

LOT 1 CSM 60 VOL. 3 PG. 64

56 EAST-WEST UNIVERSITY, INC.

UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN; RITA KESHENA, PERMITTOR & DELORES C. WAUKECHON, PERMITTEE (BIA TRACT NO. 440-T 164006 13)

57

HSE

SEE DETAIL A

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

PLE FOR DRAINAGE

TLE FOR GRADING

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

MATCHLINE STA. 139+50

MATCHLINE STA. 145+50

140+00 141+00 142+00 143+00 144+00 145+00

N20°59'58"W

REFERENCE LINE PROJECT T09-1(22)

STH 47

SLOPE INTERCEPT

33'

MITW UTILITIES

WISCONSIN POWER AND LIGHT COMPANY

1/16 LINE

SIGN

48 MENOMINEE ENTERPRISES, INC.

TLE FOR GRADING

PLE FOR DRAINAGE

58 SAINT MICHAEL CONGREGATION

SW-NW SEC 25

NW-NW SEC 25

OUTLOT 1

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

BLOCK 3

PI STA = 138+01.68	PI STA = 148+38.24
Y = 59670.443	Y = 60640.674
X = 290690.943	X = 290318.519
DELTA = 15°07'28"	DELTA = 43°30'05"
D = 3°16'27"	D = 13°58'28"
T = 232.32'	T = 163.58'
L = 461.95'	L = 311.29'
R = 1750.00'	R = 410.00'
PC STA = 135+69.36	PC STA = 146+74.66
PT STA = 140+31.31	PT STA = 149+85.95

PT: 140+31.31

DETAIL A

2" IRON PIPE FOUND Y= 58940.833 X=290143.594

1.5" IRON PIPE BRASS CAP FOUND Y= 58846.098 X=295384.342

S88°57'52"E 5241.60'

4830.56'

411.04'

N01°02'08"E 960.25'

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
354 - 2012	CURVE	
2012 - 2013	N75°44'30"W	16.58'
2013 - 852	N61°41'54"E	13.60'
852 - 511	N21°00'36"W	60.49'
852 - 2012	CURVE	
511 - 2016	N21°00'36"W	613.01'
355 - 357	CURVE	
357 - 2047	N21°00'36"W	41.43'
2047 - 359	N21°00'36"W	643.08'

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2012 - 2565	CURVE	
2565 - 2564	S66°26'13"W	37.55'
2564 - 2566	N23°01'06"W	34.61'
2566 - 2013	N61°41'54"E	24.94'
2013 - 2012	S75°44'30"E	16.58'
511 - 357	S68°44'11"E	89.20'
357 - 2586	CURVE	
2586 - 2585	N67°19'15"E	30.88'
2585 - 2582	S23°10'13"E	28.89'
2582 - 2583	S66°20'19"W	31.49'
2583 - 2586	CURVE	
357 - 2589	N21°00'36"W	80.12'
2589 - 2592	N21°00'36"W	20.00'
2592 - 2591	N69°00'02"E	23.19'
2591 - 2588	S20°59'58"E	20.00'
2588 - 2589	S69°00'02"W	23.19'

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
3187 - 3067	N28°10'13"W	301.77'
3067 - 2565	N66°26'13"E	21.55'
2565 - 2562	CURVE	
511 - 3093	S61°41'54"W	41.15'
3093 - 3094	N21°08'36"E	47.69'
3094 - 3231	N21°59'22"W	405.06'
3231 - 3232	S69°00'02"W	8.00'
3232 - 3233	N20°59'58"W	65.00'
3233 - 3095	N69°00'02"E	7.00'
3095 - 3096	N18°24'05"W	110.30'
357 - 2589	N21°00'36"W	80.12'
2589 - 3219	N69°00'02"E	15.19'
3219 - 3218	S13°46'35"E	89.59'
3218 - 2586	S67°19'15"W	3.88'
2586 - 357	CURVE	
357 - 2592	N21°00'36"W	100.12'
2592 - 3083	N21°00'36"W	450.00'
3083 - 3080	S26°01'18"E	60.23'
3080 - 3079	S20°59'58"E	255.00'
3079 - 3077	S36°38'30"E	25.96'
3077 - 3078	S19°57'28"E	110.02'
3078 - 2592	S69°00'02"W	10.19'

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
357	139+89.05	34.33'
511	140+49.87	31.18'
852	139+90.12	31.66'
2012	139+79.03	31.92'
2013	139+88.75	45.19'
2047	140+31.31	34.82'

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
2564	139+53.00	70.00'
2565	139+53.00	32.45'
2566	139+86.28	70.00'
2582	139+50.00	65.00'
2583	139+50.00	33.51'
2585	139+80.00	65.00'
2586	139+80.00	34.12'
2588	140+70.00	58.00'
2589	140+70.00	34.82'
2591	140+90.00	58.00'
2592	140+90.00	34.81'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3067	139+53.08	54.01'
3077	142+00.00	47.00'
3078	140+90.00	45.00'
3079	142+25.00	40.00'
3080	144+80.00	40.00'
3083	145+40.00	34.73'
3093	140+44.64	72.00'
3094	140+80.00	40.00'
3095	145+49.95	48.00'
3218	139+80.00	38.00'
3219	140+70.00	50.00'
3231	144+85.00	47.00'
3232	144+85.00	55.00'
3233	145+50.00	55.00'

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.17
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:33 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : ********** WISDOT/CADDS SHEET 75

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

TOWN 28 N RANGE 15 E SECTION 25

2" IRON PIPE FOUND
Y= 58940.833
X=290143.594

S88°57'52"E, 5241.60'

N01°02'08"E 1536.57'

5081.39' 160.22'

1.5" IRON PIPE
BRASS CAP FOUND
Y= 58846.098
X=295384.342

DETAIL A

2" IRON PIPE FOUND
Y= 58940.833
X=290143.594

62
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN; BILL OF SALE TO APESANAHKWAT AND KERRY CHEVALIER (BIA TRACT NO. 440-T 164004 12)

63
LUANA DICKENSON

57
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN; RITA KESHENA, PERMITTOR & DELORES C. WAUKECHON, PERMITTEE (BIA TRACT NO. 440-T 164006 13)

61
LAURIE A. REITER

58
SAINT MICHAEL CONGREGATION

59
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 80022220)

LOT 2 CSM
VOL. 2 PG. 220-221

203 MENOMINEE INDIAN TRIBE OF WISCONSIN
30' UTILITY EASEMENT
VOL. 4 PG. 194 DOC. 739 PARCEL 58

TRIBAL OFFICE LOOP

SECTION LINE

MATCHLINE STA. 150+50

MATCHLINE STA. 145+50

NE-NE SEC 26

NW-NW SEC 25

TOWN OF MENOMINEE

BLOCK 12

BLOCK 13

BLOCK 3

OUTLOT 2

STH 47

N64°30'02"W

N20°59'58"W

PT: 149+85.95

PC: 146+74.66

PI: 148+38.24

REFERENCE LINE
PROJECT T09-1(22)

149+00

148+00

147+00

146+00

SEE DETAIL A

SLOPE INTERCEPT

TLE FOR GRADING

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

MITW UTILITIES

WISCONSIN POWER AND LIGHT COMPANY

NOT RECOVERED

BEGIN RELOCATION ORDER
PROJECT 9650-17-20
STATION 147+30.00
Y = 60538.134
X = 290353.884

END RELOCATION ORDER
PROJECT 9650-17-22 - SEGMENT 1
STATION 148+00.00
Y = 60596.351
X = 290315.169

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
358	146+74.38	31.30'
359	146+74.39	34.70'
360	149+83.13	32.18'
361	149+83.43	33.82'
362	147+45.71	31.39'
364	146+87.48	31.31'
2016	146+62.88	31.30'
2017	146+78.66	47.45'
2018	147+39.01	50.00'
2019	147+74.62	31.45'
2048	149+85.95	32.19'
2049	149+85.95	33.81'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3084	147+00.00	39.00'
3086	147+80.00	54.00'
3087	148+25.00	48.00'
3088	149+25.00	45.00'
3096	146+60.19	43.00'
3097	146+65.75	71.43'
3098	147+33.61	63.62'
3100	147+85.29	37.00'
3101	149+80.00	40.00'
3234	148+55.00	40.00'
3235	148+55.00	70.00'
3236	148+96.00	70.00'
3237	148+96.00	40.00'
3238	150+15.00	55.00'

PI STA = 138+01.68
Y = 59670.443
X = 290690.943
DELTA = 15°07'28"
D = 3°16'27"
T = 232.32'
L = 461.95'
R = 1750.00'
PC STA = 135+69.36
PT STA = 140+31.31

PI STA = 148+38.24
Y = 60640.674
X = 290318.519
DELTA = 43°30'05"
D = 13°58'28"
T = 163.58'
L = 311.29'
R = 410.00'
PC STA = 146+74.66
PT STA = 149+85.95

PI STA = 164+94.61
Y = 61360.574
X = 288809.173
DELTA = 9°59'33"
D = 1°54'35"
T = 262.27'
L = 523.20'
R = 3000.00'
PC STA = 162+32.34
PT STA = 167+55.54

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
511 - 2016	N21°00'36"W	613.01'
2016 - 2017	N67°33'16"W	22.28'
2017 - 364	N41°32'54"E	18.00'
364 - 358	CURVE	
358 - 2016	S21°00'36"E	11.50'
364 - 362	N26°56'58"W	53.74'
362 - 2018	S41°32'54"W	19.56'
2018 - 2019	N02°27'31"W	37.03'
2019 - 362	CURVE	
2019 - 360	CURVE	
360 - 2048	N64°23'36"W	2.60'
2048 - 849	N64°23'36"W	501.21'
2047 - 359	N21°00'36"W	643.08'
359 - 361	CURVE	
361 - 2049	N64°23'36"W	2.72'
2049 - 2014	N64°23'36"W	414.92'

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
2019 - 360	376.32'	192.35'	190.26'	N49°45'02"W
359 - 361	442.32'	334.92'	326.97'	N42°42'06"W
364 - 358	376.32'	12.12'	12.12'	S21°55'57"E
2019 - 362	376.32'	26.69'	26.68'	S33°04'33"E

TLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
360 - 2019	376.32'	192.35'	190.26'	S49°45'02"E

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
3095 - 3096	N18°24'05"W	110.30'
3096 - 3097	S80°03'48"W	28.97'
3097 - 2017	N41°32'54"E	27.00'
2018 - 3098	S41°32'54"W	14.39'
3098 - 3100	N02°27'31"W	52.52'
3100 - 3234	N44°02'36"W	63.16'
3234 - 3235	S43°47'54"W	30.00'
3235 - 3236	N49°03'59"W	33.99'
3236 - 3237	N38°04'08"E	30.00'
3237 - 3101	N57°48'02"W	75.67'
3101 - 3238	N87°59'37"W	37.53'
3238 - 3239	N64°30'02"W	50.00'
3089 - 3088	S61°00'36"E	131.68'
3088 - 3087	S50°31'56"E	111.11'
3087 - 3086	S45°37'15"E	50.93'
3086 - 3084	S20°36'06"E	90.18'
3084 - 359	S13°59'43"E	28.21'

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA AND CSM VOL. 2 PG. 220-221. EXISTING RIGHT OF WAY FOR TRIBAL OFFICE LOOP IS ESTABLISHED BY ASSESSOR'S PLAT NO. 1.

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.18
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:33 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 75

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
3238 - 3239	N64°30'02"W	50.00'
3239 - 3240	N25°29'58"E	7.00'
3240 - 3102	N64°30'02"W	70.51'
3102 - 2594	N30°52'11"E	16.16'
2594 - 360	S64°23'36"E	150.65'
849 - 2599	S64°23'36"E	87.15'
2599 - 2596	S64°23'36"E	235.87'
2596 - 3103	S30°52'11"W	12.20'
3103 - 3241	N61°13'03"W	69.85'
3241 - 3242	S25°29'58"W	10.00'
3242 - 3243	N64°30'02"W	20.00'
3243 - 3244	N25°29'58"E	10.00'
3244 - 3073	N60°41'12"W	45.10'
3073 - 3074	N64°30'02"W	70.00'
3074 - 2598	S84°32'08"W	34.99'
2598 - 2599	N25°29'58"E	23.59'
849 - 2602	S64°23'36"E	39.15'
2602 - 3106	S25°29'58"W	10.68'
3106 - 3104	N64°30'02"W	56.22'
3104 - 849	N83°17'33"E	20.17'
2014 - 2613	N09°48'56"W	10.31'
2613 - 2612	N41°39'24"E	39.38'
2612 - 3091	S23°53'34"W	30.84'
3091 - 3089	S64°10'07"E	345.01'
3089 - 3088	S61°00'36"E	131.68'
3117 - 3113	S64°23'36"E	889.73'
3113 - 3112	S87°53'27"E	41.35'
3112 - 2081	S41°39'24"W	6.48'

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
110	60930.671	289795.135	2" IRON PIPE FOUND

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA AND CSM VOL. 2 PG. 220-221. EXISTING RIGHT OF WAY FOR CTH VV IS ESTABLISHED BY ASSESSOR'S PLAT NO. 1.

PI STA = 148+38.24
Y = 60640.674
X = 290318.519
DELTA = 43°30'05"
D = 13°58'28"
T = 163.58'
L = 311.29'
R = 410.00'
PC STA = 146+74.66
PT STA = 149+85.95

PI STA = 164+94.61
Y = 61360.574
X = 288809.173
DELTA = 9°59'33"
D = 1°54'35"
T = 262.27'
L = 523.20'
R = 3000.00'
PC STA = 162+32.34
PT STA = 167+55.54

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
849 - 2596	S64°23'36"E	323.02'
2596 - 2594	S64°23'36"E	30.13'
2594 - 542	S30°52'11"W	265.47'
542 - 2595	N61°11'22"W	30.02'
2595 - 2596	N30°52'11"E	263.79'
849 - 2602	S64°23'36"E	39.15'
2602 - 2599	S64°23'36"E	48.00'
2599 - 2598	S25°29'58"W	23.59'
2598 - 2601	N64°30'02"W	48.00'
2601 - 2602	N25°29'58"E	23.68'
2015 - 2611	N41°39'24"E	27.44'
2611 - 2612	S48°20'36"E	15.00'
2612 - 2613	S41°39'24"W	39.38'
2613 - 2015	N09°48'56"W	19.17'

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
366	154+24.86	34.64'
368	154+87.30	34.75'
849	154+87.15	31.25'
2014	154+00.86	34.59'

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
2015	154+17.91	58.65'
2081	154+82.88	50.00'
2082	155+18.00	34.81'

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
542	151+58.85	296.22'
2594	151+34.00	31.91'
2595	151+88.82	294.48'
2596	151+64.13	31.85'
2598	154+00.00	55.00'
2599	154+00.00	31.41'
2601	154+48.00	55.00'
2602	154+48.00	31.32'
2611	154+10.27	85.00'
2612	153+95.86	80.83'
2613	154+06.82	43.00'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3073	153+00.00	37.00'
3074	153+70.00	37.00'
3089	150+50.00	48.00'
3091	153+95.00	50.00'
3102	151+35.51	48.00'
3103	151+65.27	44.00'
3104	155+04.22	42.00'
3106	154+48.00	42.00'
3112	154+81.08	56.23'
3113	155+19.03	39.81'
3239	150+65.00	55.00'
3240	150+65.00	48.00'
3241	152+35.00	40.00'
3242	152+35.00	50.00'
3243	152+55.00	50.00'
3244	152+55.00	40.00'

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2048 - 849	N64°23'36"W	501.21'
849 - 377	N64°23'36"W	297.16'
849 - 368	N25°22'18"E	66.00'
2049 - 2014	N64°23'36"W	414.92'
2014 - 2015	N09°48'56"W	29.48'
2014 - 366	N64°23'36"W	24.00'
2015 - 366	S41°39'24"W	25.00'
366 - 368	N64°23'36"W	62.43'
368 - 2082	N64°23'36"W	30.70'
368 - 2081	N41°39'24"E	15.88'
2081 - 2082	N87°53'27"W	38.26'
2082 - 371	N64°23'36"W	700.19'

TOWN OF MENOMINEE
ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA
BLOCK 12
OUTLOT 1
OUTLOT 2
BLOCK 3
BLOCK 4
CREEK
COUNTY VV EAST
STH 47
MATCHLINE STA. 150+50
MATCHLINE STA. 156+00
REFERENCE LINE PROJECT T09-1(22)
N64°30'02"W
N89°17'44"W, 5311.24'
N00°42'16"E 1952.29'
462.59'
4848.65'
2" IRON PIPE FOUND Y= 58940.833 X=290143.594
2" IRON PIPE FOUND Y= 59006.131 X=284832.757
SLOPE INTERCEPT
33'
PL
HSE
SHED
SHOP
PUMPS
PLE FOR DRAINAGE
TLE FOR GRADING
MITW UTILITIES
WISCONSIN POWER AND LIGHT COMPANY
CHARTER COMMUNICATIONS GAS STATION
FRONTIER COMMUNICATIONS OF WISCONSIN, LLC
MENOMINEE INDIAN TRIBE OF WISCONSIN VOL. 4 PG. 201 DOC. 743 PARCEL 64 & 66
MENOMINEE INDIAN TRIBE OF WISCONSIN 20' UTILITY EASEMENT VOL. 62 PG. 206 DOC. 23943 - PARCEL 67
KCJ PROPERTIES, LLC
LUANA DICKENSON
MICHAEL A. SKENADORE
KATHLEEN FRAAZA, VENDOR; JONATHAN KOON & BILLY JO KOON, PURCHASER
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 80022220)
LOT 2 CSM VOL. 2 PG. 220-221
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 164991 12)
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN; RITA KESHENA, PERMITTOR; ARTHUR CHAPMAN & LUCILLE B. CHAPMAN, PERMITTEE (BIA TRACT NO. 440-T 164008 4)
NE-NE SEC 26
63 64 59 67 68 69 66
3239 3240 3102 3103 3241 3242 3243 3244 3073 3074 3089 3088 3091 3117 3113 3112 2081 2082 2015 2612 2611 2014 2613 366 368 2598 2601 3106 3104 849 2599 2602 2596 2594 2595 542 2048 371 377 2049 110 203 200 2 3 4 5 6 7 8 9
0 20 40 SCALE, FEET

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.19
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:34 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 75

BLOCK 12 ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

OUTLOT 1

66

UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 164991 12)

2" IRON PIPE FOUND
Y= 58940.833
X=290143.594

N89°17'44"W, 5311.24'

4579.11'

732.12'

2" IRON PIPE FOUND
Y= 59006.131
X=284832.757

PI STA = 148+38.24
Y = 60640.674
X = 290318.519
DELTA = 43°30'05"
D = 13°58'28"
T = 163.58'
L = 311.29'
R = 410.00'
PC STA = 146+74.66
PT STA = 149+85.95

PI STA = 164+94.61
Y = 61360.574
X = 288809.173
DELTA = 9°59'33"
D = 1°54'35"
T = 262.27'
L = 523.20'
R = 3000.00'
PC STA = 162+32.34
PT STA = 167+55.54

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
111	61039.893	289560.972	1" IRON PIPE FOUND
112	61074.432	289488.862	1" IRON PIPE FOUND
113	61109.393	289415.872	1" IRON PIPE FOUND
114	61157.744	289315.045	1" IRON PIPE FOUND

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
377	157+84.31	30.69'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3107	157+84.91	35.69'

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22) AND ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA. EXISTING RIGHT OF WAY FOR FAIRGROUNDS ROAD IS ESTABLISHED BY PREVIOUS PROJECT T O-O (2) AND ASSESSOR'S PLAT NO. 1.

TOWN OF MENOMINEE

NE-NE SEC 26

BLOCK 9

76

UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 164991 9)

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
849 - 377	N64°23'36"W	297.16'
377 - 370	N64°23'36"W	434.00'
2082 - 371	N64°23'36"W	700.19'

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
377 - 3107	S32°18'24"W	5.03'
3107 - 3108	N64°23'36"W	433.41'
3117 - 3113	S64°23'36"E	889.73'

4

BEGIN RELOCATION ORDER
PROJECT 9650-17-22
SEGMENT 2
STATION 156+50.00
Y = 60996.971
X = 289571.505

157.26'

PL

N00°42'16"E 2077.41'

FAIRGROUNDS ROAD

OUTLOT 1
VETERANS MEMORIAL PARK

STATUE

SHELTER

SIGN

STATUE

TLE FOR GRADING

377

3107

CHARTER COMMUNICATIONS

MITW UTILITIES

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

REFERENCE LINE
PROJECT T09-1(22)

MATCHLINE STA. 156+00

157+00 158+00 159+00 N64°30'02"W 160+00 161+00 162

MATCHLINE STA. 162+00

STH 47

33'

SLOPE INTERCEPT

111 112 113 114

END RELOCATION ORDER
PROJECT 9650-17-20
STATION 157+00.00
Y = 61018.496
X = 289526.375

MITW UTILITIES

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

WISCONSIN POWER AND LIGHT COMPANY

TLE FOR GRADING

201 WISCONSIN POWER AND LIGHT COMPANY

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC EASEMENT VOL. 49 PG. 495 DOC. 18634 PARCEL 78

200

8 HSE

7 HSE

6 HSE

A/C

5 HSE

UTILITY BLDG

4

3

69 UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN; RITA KESHENA, PERMITTOR; ARTHUR CHAPMAN & LUCILLE B. CHAPMAN, PERMITTEE (BIA TRACT NO. 440-T 164008 4)

71 UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN; MATT SEESTEDT, ASSIGNEE (BIA TRACT NO. 440-T 164007 4)

72 REYNOLD W. KATCHENAGO

73 SUSAN DICKENSON

BLOCK 4

NE-NE SEC 26

74 FRONTIER COMMUNICATIONS OF WISCONSIN, LLC.

77 GRACE F. WILBER

78 GRACE F. WILBER & DAVID L. CORN

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.20
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:34 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 75

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
370 - 379	2831.93'	286.67'	286.55'	N67°17'36"W
370 - 2050	2831.93'	14.03'	14.03'	N64°32'07"W
2050 - 379	2831.93'	272.64'	272.54'	N67°26'07"W
371 - 2022	2897.93'	222.26'	222.21'	N66°35'26"W
371 - 2051	2897.93'	14.15'	14.15'	N64°32'00"W
2051 - 2022	2897.93'	208.11'	208.07'	N66°43'50"W
381 - 374	2939.93'	245.44'	245.37'	N72°03'06"W
2022 - 382	2897.93'	44.12'	44.12'	N69°13'26"W

TLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
3108 - 3254	2826.93'	83.90'	83.90'	N65°14'37"W
558 - 370	2831.93'	83.90'	83.90'	S65°14'32"E
370 - 2635	2831.93'	114.67'	114.66'	N65°33'12"W
3255 - 3109	2826.93'	145.28'	145.26'	N68°11'10"W
379 - 2635	2831.93'	172.00'	171.97'	S68°27'12"E
381 - 3119	2939.93'	19.81'	19.81'	N69°51'11"W

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
370 - 558	CURVE	
558 - 2632	S25°35'53"W	205.93
2632 - 2633	N66°11'58"W	23.44
2633 - 2635	N23°33'28"E	205.72
2635 - 558	CURVE	

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
558	163+02.92	30.14'
2632	163+08.56	236.00'
2633	163+34.00	236.00'
2635	163+34.00	30.28'

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
377 - 370	N64°23'36"W	434.00'
370 - 379	CURVE	
370 - 2050	CURVE	
2050 - 379	CURVE	
379 - 372	N76°57'25"W	210.07'
372 - 2052	N74°26'36"W	35.02'
370 - 371	N25°36'24"E	66.00'
2082 - 371	N64°23'36"W	700.19'
371 - 2022	CURVE	
371 - 2051	CURVE	
2051 - 2022	CURVE	

R/W COURSE TABLE (CONTINUED)		
FROM - TO	BEARING	DISTANCE
2022 - 2021	N21°34'17"E	24.85'
2021 - 2023	N62°58'35"E	54.71'
2023 - 3220	N11°21'25"E	20.00'
3220 - 571	N78°38'35"W	49.36'
571 - 381	S60°55'54"W	45.84'
381 - 374	CURVE	
374 - 373	S15°33'24"W	25.00'
373 - 2053	N74°26'36"W	35.10'
2022 - 382	CURVE	
382 - 577	N20°20'24"E	11.26'
577 - 576	N60°55'54"E	61.82'
576 - 2023	S78°38'35"E	42.00'

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
3107 - 3108	N64°23'36"W	433.41'
3108 - 3254	CURVE	
3254 - 558	N25°35'53"E	5.00'
558 - 370	CURVE	
370 - 2635	CURVE	
2635 - 3255	S23°33'28"W	5.00'
3255 - 3109	CURVE	
3109 - 3225	S86°52'54"W	180.78'
3225 - 564	N09°52'47"E	15.39'
564 - 379	N86°52'54"E	155.00'
379 - 2635	CURVE	
2023 - 3117	S25°36'24"W	54.75'
3117 - 3113	S64°23'36"E	889.73'
381 - 3119	CURVE	
3119 - 3118	N60°55'54"E	64.30'
3118 - 3221	S78°38'35"E	54.89'
3221 - 3220	S11°21'25"W	15.00'

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

2" IRON PIPE FOUND
Y= 59006.131
X=284832.757

2" IRON PIPE FOUND
Y= 58940.833
X=290143.594

N89°17'44"W, 5311.24'
1125.78'
4185.46'
IDENTICAL POINTS

T 28 N R 15 E
T 27 N R 15 E
T 26 N R 15 E
T 25 N R 15 E

NE-NE SEC 26
NW-NE SEC 26

81
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN, MERCEDES MARTIN, LESSEE
(BIA TRACT NO. 440-T 164001 9)

PI STA = 148+38.24
Y = 60640.674
X = 290318.519
DELTA = 43°30'05"
D = 13°58'28"
T = 163.58'
L = 311.29'
R = 410.00'
PC STA = 146+74.66
PT STA = 149+85.95

PI STA = 164+94.61
Y = 61360.574
X = 288809.173
DELTA = 9°59'33"
D = 1°54'35"
T = 262.27'
L = 523.20'
R = 3000.00'
PC STA = 162+32.34
PT STA = 167+55.54

82
AGNES W. PIERSANTE, CATHERINE WAUKECHON & JOHN WAUKECHON

76
TOWN OF MENOMINEE
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN
(BIA TRACT NO. 440-T 164991 9)

BLOCK 9
1
2

GAR.
PLE FOR DRAINAGE
TLE FOR GRADING
SLOPE INTERCEPT
MITW UTILITIES
LYONS LOOP
MATCHLINE STA. 162+00
MATCHLINE STA 167+50
REFERENCE LINE PROJECT T09-1(22)
N00°42'16"E 2260.16'
N64°30'02"W
PC: 162+32.34
PI: 164+94.61
STH 47
1/16 LINE
SLOPE INTERCEPT
WISCONSIN POWER AND LIGHT COMPANY
FRONTIER COMMUNICATIONS OF WISCONSIN, LLC
CHARTER COMMUNICATIONS
HSE
A/C

79
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 164001 4)

78
GRACE F. WILBER & DAVID L. CORN

BLACKSMITH ROAD

OUTLOT 1

84
UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN
(BIA TRACT NO. 440-T 137)

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC
EASEMENT
VOL. 49 PG. 495 DOC. 18634
PARCEL 78
200

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22) AND ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA. EXISTING RIGHT OF WAY FOR LYONS LOOP AND BLACKSMITH ROAD IS ESTABLISHED BY ASSESSOR'S PLAT NO. 1.

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
115	61372.419	288576.803	2" IRON PIPE FOUND

PLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
370 - 558	2831.93'	83.90'	83.90'	N65°14'32"W
2635 - 558	2831.93'	30.77'	30.77'	S66°24'08"E

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
564	166+54.50	89.31'
3108	162+18.32	34.88'
3109	164+81.02	36.14'
3117	164+06.16	46.59'
3118	164+61.07	125.84'
3119	165+01.21	76.71'
3220	164+06.62	120.89'
3221	164+09.32	135.63'
3225	166+52.40	104.57'
3254	163+03.05	35.14'
3255	163+34.00	35.20'

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
370	162+18.31	29.88'
371	162+18.19	36.12'
372	167+19.93	50.28'
373	167+21.01	49.72'
374	167+21.27	74.72'
379	165+07.78	31.34'
381	164+81.89	76.85'
382	164+81.61	34.86'
571	164+53.37	112.01'
576	164+42.99	93.59'
577	164+81.68	46.12'
2021	164+38.00	60.00'
2022	164+38.00	35.15'
2023	164+02.99	101.25'
2050	162+32.34	29.89'
2051	162+32.34	36.11'

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.21
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:34 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 75

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
400	171+22.17	49.86'
403	171+83.00	49.92'
2052	167+55.54	50.46'
2053	167+55.54	49.54'
2107	167+95.00	49.58'
2108	168+05.00	72.00'
2109	169+00.00	80.00'
2112	170+80.00	49.83'
2115	169+30.00	50.30'
2116	170+00.00	75.00'
2117	170+60.00	70.00'
2120	171+00.00	50.16'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3245	171+76.38	89.37'
3246	171+93.00	49.92'

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
372 - 2052	N74°26'36"W	35.02'
2052 - 2115	N74°26'36"W	174.46'
2115 - 2116	S86°04'25"W	74.23'
2116 - 2117	N69°43'46"W	60.21'
2117 - 2120	N48°06'25"W	44.65'
2120 - 2115	S74°26'36"E	170.00'
2120 - 2123	N74°26'36"W	435.00'
373 - 2053	N74°26'36"W	35.10'
2053 - 2107	N74°26'36"W	39.46'

R/W COURSE TABLE (CONTINUED)		
FROM - TO	BEARING	DISTANCE
2107 - 2108	N08°31'51"W	24.55'
2108 - 2109	N69°40'46"W	95.34'
2109 - 2112	N84°00'33"W	182.51'
2112 - 400	N74°26'36"W	42.17'
400 - 403	N74°26'36"W	60.83'
403 - 2085	N74°26'36"W	327.00'
2120 - 2112	N26°49'07"E	101.96'
2107 - 2112	N74°26'36"W	285.00'

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2120 - 400	N03°00'36"E	102.45'
400 - 403	N74°26'36"W	60.83'
403 - 3246	N74°26'36"W	10.00'
3246 - 3245	N38°20'55"E	42.80'
3245 - 403	S25°01'24"W	40.00'

NW-NE SEC 26

N89°17'44"W, 5311.24'

1963.47'

3347.77'

2" IRON PIPE FOUND
Y= 58940.833
X=290143.594

2" IRON PIPE FOUND
Y= 59006.131
X=284832.757

N00°42'16"E 2509.67'

LYONS LOOP

83

UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 164002 7)

BLOCK 7

MENOMINEE INDIAN TRIBE OF WISCONSIN
20' UTILITY EASEMENT
VOL. 4 PG. 199 DOC. 742

HSE

MITW UTILITIES

TOWN OF MENOMINEE

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

2052 2115 2116 2117 2120

MATCHLINE STA. 167+50

MATCHLINE STA. 173+00

50'

SLOPE INTERCEPT

STH 47

168+00 169+00 170+00 N74°29'35"W 171+00 172+00 173

PT: 167+55.54

WISCONSIN POWER AND LIGHT COMPANY

SECTION LINE

2107 2053 2108 2109 2112 400 403 3246 3245

60'

TLE FOR GRADING

MOBILE HOME

ANT

OUTLOT 2

BLOCK 6

PI STA = 164+94.61
Y = 61360.574
X = 288809.173
DELTA = 9°59'33"
D = 1°54'35"
T = 262.27'
L = 523.20'
R = 3000.00'
PC STA = 162+32.34
PT STA = 167+55.54

PI STA = 182+23.69
Y = 61823.206
X = 287141.751
DELTA = 6°31'32"
D = 1°32'55"
T = 210.93'
L = 421.39'
R = 3700.00'
PC STA = 180+12.76
PT STA = 184+34.16

OUTLOT 1

84

UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 137)

RABBIT RIDGE ROAD

86

UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 164992 6)

BLOCK 4

SW-SE SEC 23

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

NOT RECOVERED

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22) AND ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA. EXISTING RIGHT OF WAY FOR RABBIT RIDGE ROAD IS ESTABLISHED BY ASSESSOR'S PLAT NO. 1.

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.22
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:35 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 75

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

2" IRON PIPE FOUND
Y= 58940.833
X=290143.594

NW-NE SEC 23

N89°17'44"W 2383.94'

5311.24'
2927.30'

2" IRON PIPE FOUND
Y= 59006.131
X=284832.757

NOT RECOVERED

NE-NW SEC 23

COMPUTED LOCATION
Y= 61621.876
X=284884.769

PI STA = 164+94.61
Y = 61360.574
X = 288809.173
DELTA = 9°59'33"
D = 1°54'35"
T = 262.27'
L = 523.20'
R = 3000.00'
PC STA = 162+32.34
PT STA = 167+55.54

PI STA = 182+23.69
Y = 61823.206
X = 287141.751
DELTA = 6°31'32"
D = 1°32'55"
T = 210.93'
L = 421.39'
R = 3700.00'
PC STA = 180+12.76
PT STA = 184+34.16

N00°42'16"E 2621.17'

87

BLOCK 7

ESTATE OF ALFRED P. LYONS, JOSEPH J. LYONS, VIRGINIA M. SMIGELSKI, HARLEY A. LYONS, JEAN M. HESSE, MYRTLE A. KREIER & WILFRED E. LYONS

3 4 5

HSE

PL

SECTION LINE

1/4 LINE

LYONS LOOP

SAN W

W PL

TOWN OF MENOMINEE

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

2620 2621 2124 2125 2123 2128

PLE FOR DRAINAGE

SLOPE INTERCEPT

MATCHLINE STA. 173+00

MATCHLINE STA. 179+00

173+00 174+00 STH 47 175+00 N74°29'35"W 176+00 177+00 178+00 179

50' 100' 50'

OH T

2085 404 407 2090

WISCONSIN POWER AND LIGHT COMPANY

FRONTIER COMMUNICATIONS OF WISCONSIN, LLC

2086 2089 405 406

SLOPE INTERCEPT

GAR. HSE

20

ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA

86

UNITED STATES OF AMERICA IN TRUST FOR THE MENOMINEE INDIAN TRIBE OF WISCONSIN (BIA TRACT NO. 440-T 164992 6)

BLOCK 6

OUTLOT 2

3222

TLE FOR GRADING

SW-SE SEC 23

SE-SW SEC 23

NOT RECOVERED

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22) AND ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA.

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2120 - 2123	N74°26'36"W	435.00'
2123 - 2124	S78°36'13"W	33.64'
2124 - 2125	N74°29'35"W	20.00'
2125 - 2128	N57°28'11"W	52.29'
2128 - 385	N74°26'36"W	334.23'
403 - 2085	N74°26'36"W	327.00'
2085 - 2086	N40°53'25"W	61.07'
2086 - 405	N15°33'24"E	16.24'
405 - 406	N74°26'36"W	149.97'
406 - 2089	S15°33'24"W	12.37'
2089 - 2090	S85°41'28"W	110.72'
2090 - 2054	N74°26'36"W	197.76'
2123 - 2085	N29°32'46"E	103.06'
2085 - 404	N74°26'36"W	50.90'
404 - 2086	N15°33'24"E	33.76'
2089 - 407	S15°33'24"W	37.63'
407 - 2090	N74°26'36"W	104.13'
2128 - 2123	S74°26'36"E	100.00'

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2124 - 2620	S15°30'25"W	10.00'
2620 - 2621	N74°29'35"W	20.00'
2621 - 2125	N15°30'25"E	10.00'
2125 - 2124	S74°29'35"E	20.00'

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
406 - 3222	S82°44'48"E	101.88'
3222 - 405	S57°46'54"E	51.31'

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
404	175+60.90	50.24'
405	175+60.85	100.24'
406	177+10.82	100.37'
407	177+10.87	50.37'
2085	175+10.00	50.20'
2086	175+60.87	84.00'
2089	177+10.83	88.00'
2090	178+15.00	50.46'
2123	175+35.00	49.78'
2124	175+65.00	65.00'
2125	175+85.00	65.00'
2128	176+35.00	49.69'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3222	176+25.00	110.00'

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
2620	175+65.00	75.00'
2621	175+85.00	75.00'

REVISION DATE 7/29/19

DATE: MAY 2017

GRID FACTOR N/A

SCALE, FEET 0 20 40

HWY: STH 47

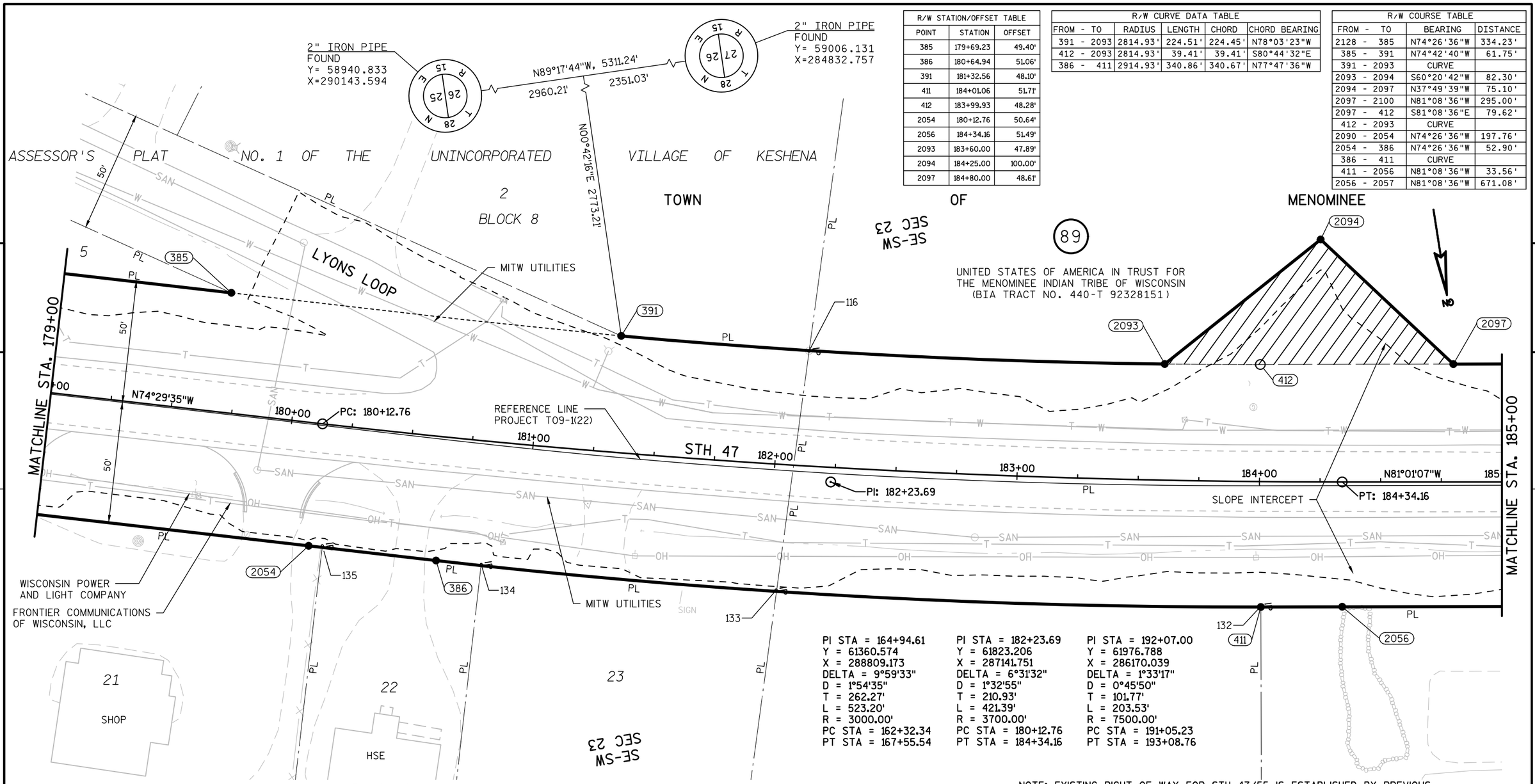
COUNTY: MENOMINEE

STATE R/W PROJECT NUMBER 9650-17-20/22

CONSTRUCTION PROJECT NUMBER 9650-17-70

PLAT SHEET 4.23

PS&E SHEET E



R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
385	179+69.23	49.40'
386	180+64.94	51.06'
391	181+32.56	48.10'
411	184+01.06	51.71'
412	183+99.93	48.28'
2054	180+12.76	50.64'
2056	184+34.16	51.49'
2093	183+60.00	47.89'
2094	184+25.00	100.00'
2097	184+80.00	48.61'

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
391 - 2093	2814.93'	224.51'	224.45'	N78°03'23"W
412 - 2093	2814.93'	39.41'	39.41'	S80°44'32"E
386 - 411	2914.93'	340.86'	340.67'	N77°47'36"W

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2128 - 385	N74°26'36"W	334.23'
385 - 391	N74°42'40"W	61.75'
391 - 2093	CURVE	
2093 - 2094	S60°20'42"W	82.30'
2094 - 2097	N37°49'39"W	75.10'
2097 - 2100	N81°08'36"W	295.00'
2097 - 412	S81°08'36"E	79.62'
412 - 2093	CURVE	
2090 - 2054	N74°26'36"W	197.76'
2054 - 386	N74°26'36"W	52.90'
386 - 411	CURVE	
411 - 2056	N81°08'36"W	33.56'
2056 - 2057	N81°08'36"W	671.08'

PI STA = 164+94.61
Y = 61360.574
X = 288809.173
DELTA = 9°59'33"
D = 1°54'35"
T = 262.27'
L = 523.20'
R = 3000.00'
PC STA = 162+32.34
PT STA = 167+55.54

PI STA = 182+23.69
Y = 61823.206
X = 287141.751
DELTA = 6°31'32"
D = 1°32'55"
T = 210.93'
L = 421.39'
R = 3700.00'
PC STA = 180+12.76
PT STA = 184+34.16

PI STA = 192+07.00
Y = 61976.788
X = 286170.039
DELTA = 1°33'17"
D = 0°45'50"
T = 101.77'
L = 203.53'
R = 7500.00'
PC STA = 191+05.23
PT STA = 193+08.76

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA AND CSM VOL. 2 PG. 10-11. EXISTING RIGHT OF WAY FOR LYONS LOOP IS ESTABLISHED BY ASSESSOR'S PLAT NO. 1.

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
116	61768.420	287142.130	2" IRON PIPE FOUND
132	61901.443	286974.462	1" IRON PIPE FOUND
133	61863.763	287170.979	2" IRON PIPE FOUND
134	61834.365	287289.442	1" IRON PIPE FOUND
135	61816.509	287352.980	1" IRON PIPE FOUND

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.24	
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:35 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 75

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
2100	187+75.00	49.25'
2101	188+60.00	82.00'
2102	189+50.00	49.64'
2624	189+75.00	60.00'
2625	189+75.00	50.31'
2626	190+75.00	60.00'
2627	190+75.00	50.09'

2" IRON PIPE
FOUND
Y= 58940.833
X=290143.594

N89°17'44"W, 5311.24'
3590.17'
1721.07'

2" IRON PIPE
FOUND
Y= 59006.131
X=284832.757

SEC 23
SE-SW

N00°42'16"E 2875.94'

PI STA = 182+23.69
Y = 61823.206
X = 287141.751
DELTA = 6°31'32"
D = 1°32'55"
T = 210.93'
L = 421.39'
R = 3700.00'
PC STA = 180+12.76
PT STA = 184+34.16

PI STA = 192+07.00
Y = 61976.788
X = 286170.039
DELTA = 1°33'17"
D = 0°45'50"
T = 101.77'
L = 203.53'
R = 7500.00'
PC STA = 191+05.23
PT STA = 193+08.76

TOWN OF MENOMINEE

91

WILLIAM A. MARTIN

LOT 2 CSM 326
VOL. 2 PG. 326

HSE

89

UNITED STATES OF AMERICA IN TRUST FOR
THE MENOMINEE INDIAN TRIBE OF WISCONSIN
(BIA TRACT NO. 440-T 92328151)

FRONTIER COMMUNICATIONS
OF WISCONSIN, LLC

2101
130
2100
2102

FUTURE R/W
PER CSM
10'

PL

MATCHLINE STA. 185+00

186+00 187+00 188+00 189+00 N81°01'07"W 190+00 191+00

MATCHLINE STA. 191+00

REFERENCE LINE
PROJECT T09-1(22)

STH 47

SLOPE INTERCEPT

50'

SAN OH T W SFM SIGN

2624 2625 2626 2627

PLE FOR
DRAINAGE

MITW UTILITIES

FRONTIER COMMUNICATIONS
OF WISCONSIN, LLC

WISCONSIN POWER
AND LIGHT COMPANY

DECORATIVE STEEL
ARROWS

LOT 2 CSM
VOL. 2 PG. 10-11

SEC 23
SE-SW

93

UNITED STATES OF AMERICA IN TRUST FOR
THE MENOMINEE INDIAN TRIBE OF WISCONSIN
(BIA TRACT NO. 440-T 92328151)

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2097 - 2100	N81°08'36"W	295.00'
2100 - 2101	S77°54'44"W	91.09'
2101 - 2102	N61°14'22"W	95.64'
2102 - 2100	S81°08'36"E	175.00'
2102 - 2058	N81°08'36"W	155.24'
2056 - 2057	N81°08'36"W	671.08'

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2102 - 2624	N05°03'44"W	103.03'
2624 - 2627	N81°08'36"W	100.00'
2627 - 2626	N08°58'53"E	9.91'
2626 - 2625	S81°01'07"E	100.00'
2625 - 2624	S08°58'53"W	9.69'

EXISTING MONUMENTATION TABLE			
POINT	Y	X	TYPE
130	61864.402	286499.733	1" IRON PIPE FOUND

NOTE: EXISTING RIGHT OF WAY FOR STH 47/55 IS ESTABLISHED BY PREVIOUS PROJECT T 09-1(22), ASSESSOR'S PLAT NO. 1 OF THE UNINCORPORATED VILLAGE OF KESHENA, CSM VOL. 2 PG. 10-11 AND CSM 326 VOL. 2 PG. 326. EXISTING RIGHT OF WAY FOR LYONS LOOP IS ESTABLISHED BY ASSESSOR'S PLAT NO. 1.

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.25
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:35 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : ********** WISDOT/CADDS SHEET 75

R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
417	191+60.33	50.11'
418	191+60.27	60.11'
419	194+09.02	64.87'
420	194+09.27	54.87'
840	196+53.34	39.07'
2057	191+05.23	50.03'
2058	191+05.23	49.97'
2059	193+08.76	47.67'
2060	193+08.76	62.36'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3249	196+30.00	39.65'
3250	196+45.82	74.09'

SE-SW SEC 23

SW-SW SEC 23

SHED

91

WILLIAM A. MARTIN

LOT 2 CSM 326
VOL. 2 PG. 326

GAR.

PL

T

FLAG

FILLER CAPS

GAS STATION

89

UNITED STATES OF AMERICA IN TRUST FOR
THE MENOMINEE INDIAN TRIBE OF WISCONSIN
(BIA TRACT NO. 440-T 92328151)

OUTLOT 1 CSM 191
VOL. 3 PG. 318-322
(ROAD)

LOT 1 CSM
VOL. 1 PG. 68

TLE FOR
GRADING

3250

3249

840

SEE DETAIL A

2058

PL

FRONTIER COMMUNICATIONS
OF WISCONSIN, LLC

PUMPS

2059

FUTURE R/W
PER CSM

LOT 1 CSM 326
VOL. 2 PG. 326

PL

10'

FUTURE R/W
PER CSM

SIGN

W

MATCHLINE STA. 191+00

MATCHLINE STA. 197+00

50'

STH 47

191+00

192+00

193+00

194+00

N82°34'24"W

195+00

196+00

197

PC: 191+05.23

PI: 192+07.00

PT: 193+08.76

PL

SLOPE INTERCEPT

REFERENCE LINE
PROJECT T09-1(22)

OH

SIGN

60'

2057

417

418

2060

420

419

WISCONSIN POWER
AND LIGHT COMPANY

1/16 LINE

SE-SW SEC 23

SW-SW SEC 23

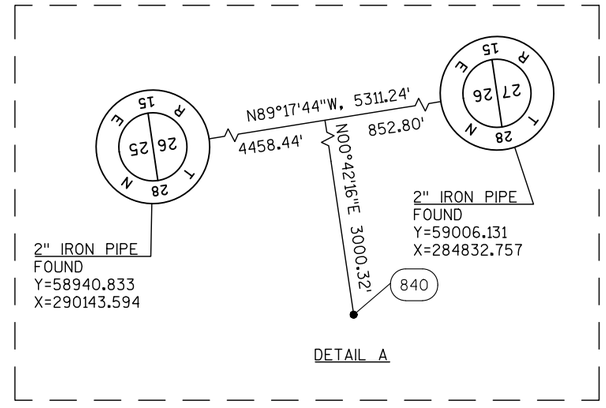
93

UNITED STATES OF AMERICA IN TRUST FOR
THE MENOMINEE INDIAN TRIBE OF WISCONSIN
(BIA TRACT NO. 440-T 92328151)

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2102 - 2058	N81°08'36"W	155.24'
2058 - 2059	N81°08'36"W	202.21'
2059 - 840	N81°08'36"W	344.69'
840 - 809	N81°08'36"W	67.20'
2056 - 2057	N81°08'36"W	671.08'
2057 - 417	N81°08'36"W	55.46'
417 - 418	N08°51'24"E	10.00'
418 - 2060	N81°08'36"W	149.71'
2060 - 419	N81°08'36"W	100.29'
419 - 420	S08°51'24"W	10.00'
420 - 413	N81°08'36"W	656.92'

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
840 - 3249	S81°08'36"E	23.35'
3249 - 3250	S32°05'46"W	37.90'
3250 - 840	CURVE	

TLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
3250 - 840	105.00'	36.00'	35.82'	N04°41'43"W

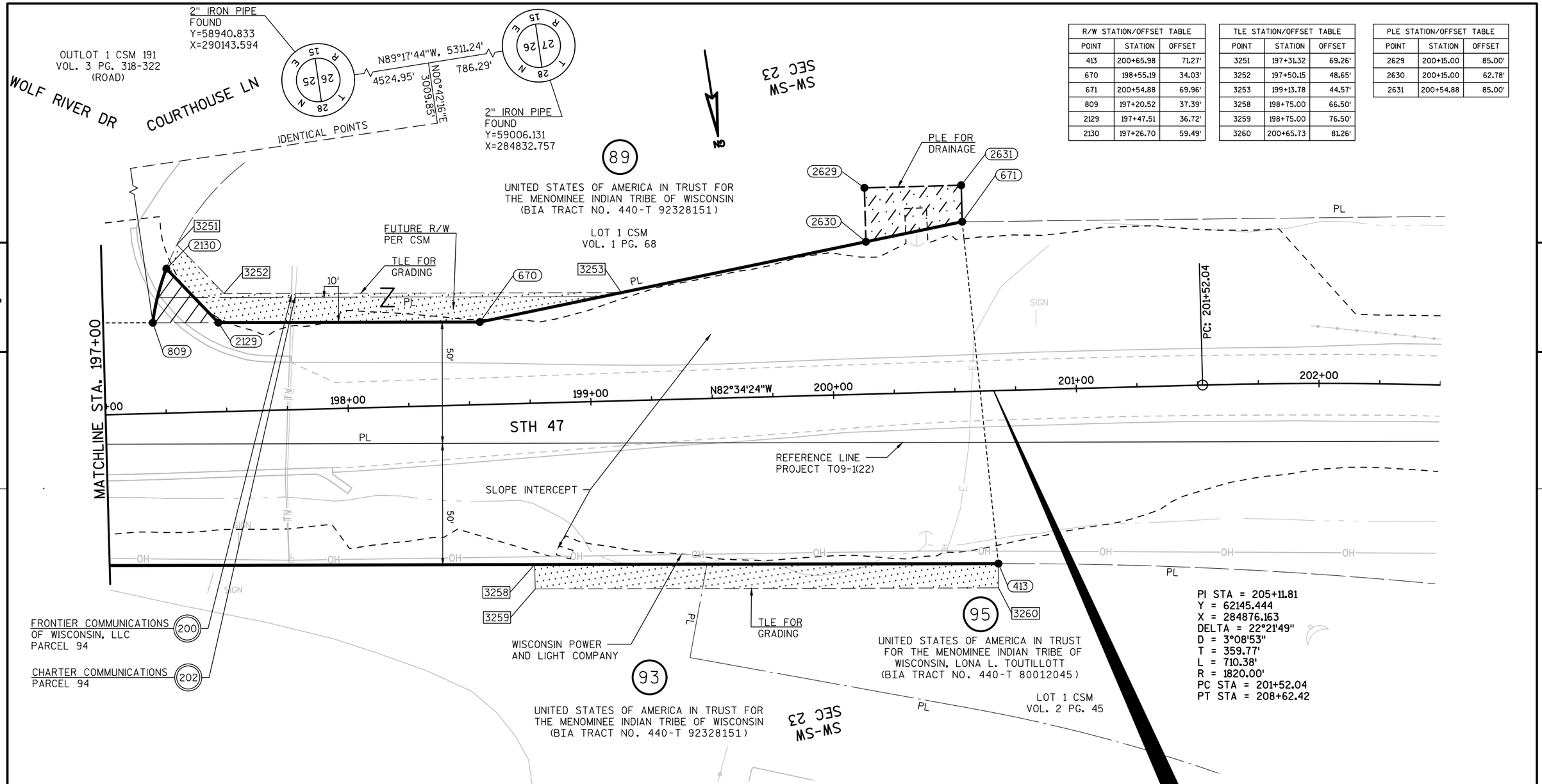


DETAIL A

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.26
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:35 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 75



R/W STATION/OFFSET TABLE		
POINT	STATION	OFFSET
413	200+65.98	71.27'
670	198+55.19	34.03'
671	200+54.88	69.96'
809	197+20.52	37.39'
2129	197+47.51	36.72'
2130	197+26.70	59.49'

TLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
3251	197+31.32	69.26'
3252	197+50.15	48.65'
3253	199+13.78	44.57'
3258	198+75.00	66.50'
3259	198+75.00	76.50'
3260	200+65.73	81.26'

PLE STATION/OFFSET TABLE		
POINT	STATION	OFFSET
2629	200+15.00	85.00'
2630	200+15.00	62.78'
2631	200+54.88	85.00'

R/W COURSE TABLE		
FROM - TO	BEARING	DISTANCE
840 - 809	N81°08'36"W	67.20'
809 - 2130	CURVE	
2130 - 2129	N34°59'17"W	30.85'
2129 - 670	N81°08'36"W	107.71'
670 - 671	S87°13'39"W	202.90'
671 - 413	N02°55'47"E	141.66'
420 - 413	N81°08'36"W	656.92'
2129 - 809	S81°08'36"E	27.00'

PLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
671 - 2630	N87°13'39"E	40.52'
2630 - 2629	S07°25'36"W	22.22'
2629 - 2631	N82°34'24"W	39.88'
2631 - 671	N07°25'36"E	15.04'

TLE COURSE TABLE		
FROM - TO	BEARING	DISTANCE
2130 - 3251	CURVE	
3251 - 3252	N34°59'17"W	27.91'
3252 - 3253	N81°08'36"W	163.68'
3253 - 670	N87°13'39"E	59.53'
413 - 3260	N08°51'24"E	10.00'
3260 - 3259	S81°08'36"E	190.79'
3259 - 3258	S07°25'36"W	10.00'
3258 - 413	N81°08'36"W	191.04'

TLE CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
2130 - 3251	100.00'	10.81'	10.81'	S32°44'56"W

R/W CURVE DATA TABLE				
FROM - TO	RADIUS	LENGTH	CHORD	CHORD BEARING
809 - 2130	100.00'	23.00'	22.95'	S23°03'46"W

REVISION DATE 7/29/19	DATE: MAY 2017	SCALE, FEET 0 20 40	HWY: STH 47	STATE R/W PROJECT NUMBER 9650-17-20/22	PLAT SHEET 4.27
	GRID FACTOR N/A		COUNTY: MENOMINEE	CONSTRUCTION PROJECT NUMBER 9650-17-70	PS&E SHEET E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\040103-27_RP.DWG PLOT DATE : 7/29/2019 2:35 PM PLOT BY : BUZA, DONALD PLOT NAME : PLOT SCALE : ********** WISDOT/CADDS SHEET 75

R/W COORDINATE TABLE		
POINT	Y	X
107	57820.105	291082.213
300	54357.302	290933.998
302	54307.274	290934.654
305	54287.846	291008.515
306	54315.448	291005.307
310	54456.461	290922.473
311	54464.081	290988.032
312	54722.913	290888.324
313	54732.072	290953.686
314	55197.887	290821.768
315	55207.046	290887.130
316	55630.611	290809.824
317	55625.072	290875.591
318	56818.276	290909.857
319	56812.737	290975.624
320	57102.868	290937.396
321	57095.694	291003.005
322	56318.835	290934.024
325	56252.940	290928.474
326	57185.745	291012.851
328	57245.755	291019.413
331	57827.279	291016.604
332	58025.702	291036.549
333	58019.675	291102.273
334	58599.047	291089.131
337	58077.440	291041.294
345	58698.905	291093.782
346	58698.933	291076.782
347	59389.324	290937.857
348	59350.786	290884.277
349	59340.859	290870.477
350	59190.901	290961.092
352	59131.714	290988.508
354	59507.132	290771.820
355	59545.671	290825.400
357	59861.145	290655.049
358	60476.484	290348.019
359	60500.147	290409.631
360	60680.920	290159.360
361	60740.438	290187.884

R/W COORDINATE TABLE		
POINT	Y	X
362	60535.629	290319.138
364	60487.724	290343.493
366	60931.310	289789.621
368	60958.294	289733.319
370	61214.660	289045.691
371	61274.177	289074.216
372	61372.682	288576.697
373	61469.019	288603.516
374	61493.103	288610.221
377	61027.089	289437.066
379	61325.272	288781.351
381	61417.490	288843.650
382	61378.109	288829.051
385	61707.575	287373.733
386	61829.795	287307.577
391	61750.227	287217.704
400	61576.759	288216.503
403	61593.073	288157.903
405	61742.591	287807.257
406	61782.811	287662.781
411	61901.826	286974.610
412	61803.018	286959.214
413	62158.485	285327.464
417	62018.853	286223.573
418	62028.734	286225.113
419	62067.224	285978.094
420	62057.344	285976.554
450	57754.721	291075.064
451	57779.573	291077.781
480	59227.061	291035.808
485	59172.217	291061.425
499	59034.813	291111.469
500	58973.684	291127.758
511	59893.493	290571.925
571	61439.762	288883.716
576	61418.703	288886.997
577	61388.669	288832.966
670	62026.828	285522.884
671	62017.013	285320.223
779	57295.368	290958.444

R/W COORDINATE TABLE		
POINT	Y	X
795	58557.194	291151.570
796	58574.474	291168.737
797	58634.060	291175.997
798	58656.884	291158.969
809	62006.088	285655.989
840	61995.742	285722.383
849	60898.659	289705.039
852	59837.025	290593.612
2000	56318.225	290962.017
2001	56336.853	290952.453
2002	58082.459	291028.225
2003	58087.398	291042.207
2004	58958.094	291131.356
2005	58972.690	291143.727
2006	59034.379	291118.446
2008	59045.185	291115.393
2009	59043.319	291108.922
2010	59153.728	291069.303
2011	59176.861	291076.213
2012	59826.493	290597.708
2013	59830.577	290581.638
2014	60920.938	289811.264
2015	60949.989	289806.238
2016	60465.748	290352.142
2017	60474.253	290331.554
2018	60520.989	290306.163
2019	60557.989	290304.575
2021	61385.573	288879.435
2022	61362.461	288870.298
2023	61410.432	288928.175
2024	57167.852	291010.895
2025	57181.832	291030.421
2028	56246.256	290861.677
2029	56255.343	290812.211
2030	56300.766	290808.925
2033	56336.102	290869.245
2034	54357.694	291000.397
2035	54586.889	290906.553
2036	54595.815	290971.949
2037	55609.244	290874.325

R/W COORDINATE TABLE		
POINT	Y	X
2038	55614.174	290808.509
2039	58548.297	291084.477
2040	58542.455	291150.218
2041	58971.797	291042.740
2042	59003.013	291034.282
2043	59317.974	290886.499
2044	59366.929	290953.574
2045	59464.324	290802.612
2046	59503.234	290855.924
2047	59899.816	290640.197
2048	60682.043	290157.017
2049	60741.614	290185.430
2050	61220.691	289033.025
2051	61280.263	289061.439
2052	61382.074	288542.963
2053	61478.433	288569.699
2054	61815.609	287358.537
2056	61906.993	286941.450
2058	61911.540	286262.759
2059	61942.673	286062.961
2065	56291.539	290809.592
2066	56288.882	290931.501
2070	58924.381	291053.726
2071	58922.845	291138.675
2078	56341.311	290935.917
2081	60970.155	289743.871
2082	60971.563	289705.632
2085	61680.773	287842.879
2086	61726.941	287802.900
2089	61770.890	287659.462
2090	61762.571	287549.053
2093	61796.677	286998.114
2094	61755.960	286926.598
2097	61815.277	286880.541
2100	61860.696	286589.057
2101	61841.621	286499.987
2102	61887.640	286416.144
2107	61489.016	288531.686
2108	61513.294	288528.044
2109	61546.401	288438.641

R/W COORDINATE TABLE		
POINT	Y	X
2112	61565.450	288257.127
2115	61428.862	288374.896
2116	61423.779	288300.842
2117	61444.638	288244.362
2120	61474.454	288211.124
2123	61591.117	287792.060
2124	61584.470	287759.082
2125	61589.817	287739.810
2128	61617.937	287695.723
2129	62010.245	285629.311
2130	61984.972	285646.999
2131	56306.771	290833.500
3220	61430.041	288932.113

PLE COORDINATE TABLE		
POINT	Y	X
481	59246.191	291096.724
486	59185.867	291104.891
542	60518.167	289887.294
558	61249.796	288969.503
779	57295.368	290958.444
2507	55295.733	290782.904
2508	55298.065	290810.372
2510	55398.721	290776.815
2515	55553.537	290775.599
2518	55745.139	290787.961
2521	55742.794	290819.272
2522	59258.326	291048.859
2523	59340.940	290992.200
2524	59403.733	290947.501
2525	59509.313	290864.253
2526	59522.382	290864.657
2527	59538.182	290853.410
2528	59527.616	290838.387
2534	57322.541	290709.926
2535	57352.364	290713.186
2536	57325.190	290961.705
2538	57288.408	291043.109
2539	57290.143	291027.284
2541	57303.319	291044.744
2542	57305.381	291025.933
2544	58533.802	291046.933
2545	58530.610	291082.855
2547	58553.611	291048.691
2548	58550.470	291084.676
2550	58785.597	291170.700
2551	58784.553	291156.800
2553	58795.896	291169.890
2554	58794.759	291156.028
2556	59166.786	291110.884
2558	59496.153	290720.952
2559	59522.784	290760.717
2561	59513.596	290709.414
2562	59539.558	290749.155
2564	59786.901	290573.212
2565	59801.913	290607.634

PLE COORDINATE TABLE		
POINT	Y	X
2566	59818.753	290559.679
2576	59795.790	290709.673
2577	59785.088	290686.861
2579	59813.343	290701.559
2580	59803.019	290678.884
2582	59838.222	290698.112
2583	59825.583	290669.268
2585	59864.777	290686.747
2586	59852.871	290658.257
2588	59944.246	290647.969
2589	59935.937	290626.324
2591	59962.918	290640.802
2592	59954.608	290619.153
2594	60746.031	290023.504
2595	60532.634	289860.991
2596	60759.051	289996.336
2598	60839.703	289773.475
2599	60860.993	289783.630
2601	60860.367	289730.151
2602	60881.739	289740.344
2604	55706.633	290900.399
2605	55707.968	290882.573
2606	55726.577	290901.893
2607	55727.898	290884.251
2608	57172.701	291071.416
2609	57166.845	291070.112
2610	57177.144	291023.873
2611	60970.488	289824.474
2612	60960.518	289835.681
2613	60931.096	289809.506
2616	57243.289	291030.484
2617	57271.086	291025.201
2620	61574.834	287756.409
2621	61580.181	287737.137
2624	61990.263	286407.053
2625	61999.833	286408.566
2626	62015.445	286309.792
2627	62005.659	286308.245
2629	61996.941	285357.822
2630	62018.973	285360.694

PLE COORDINATE TABLE		
POINT	Y	X
2631	62002.096	285318.279
2632	61064.081	288880.530
2633	61073.539	288859.086
2635	61262.113	288941.307

4

4

REVISION DATE 7/29/19 NC

DATE: MAY 2017

GRID FACTOR N/A

SCALE, FEET 0 20 40

HWY: STH 47

COUNTY: MENOMINEE

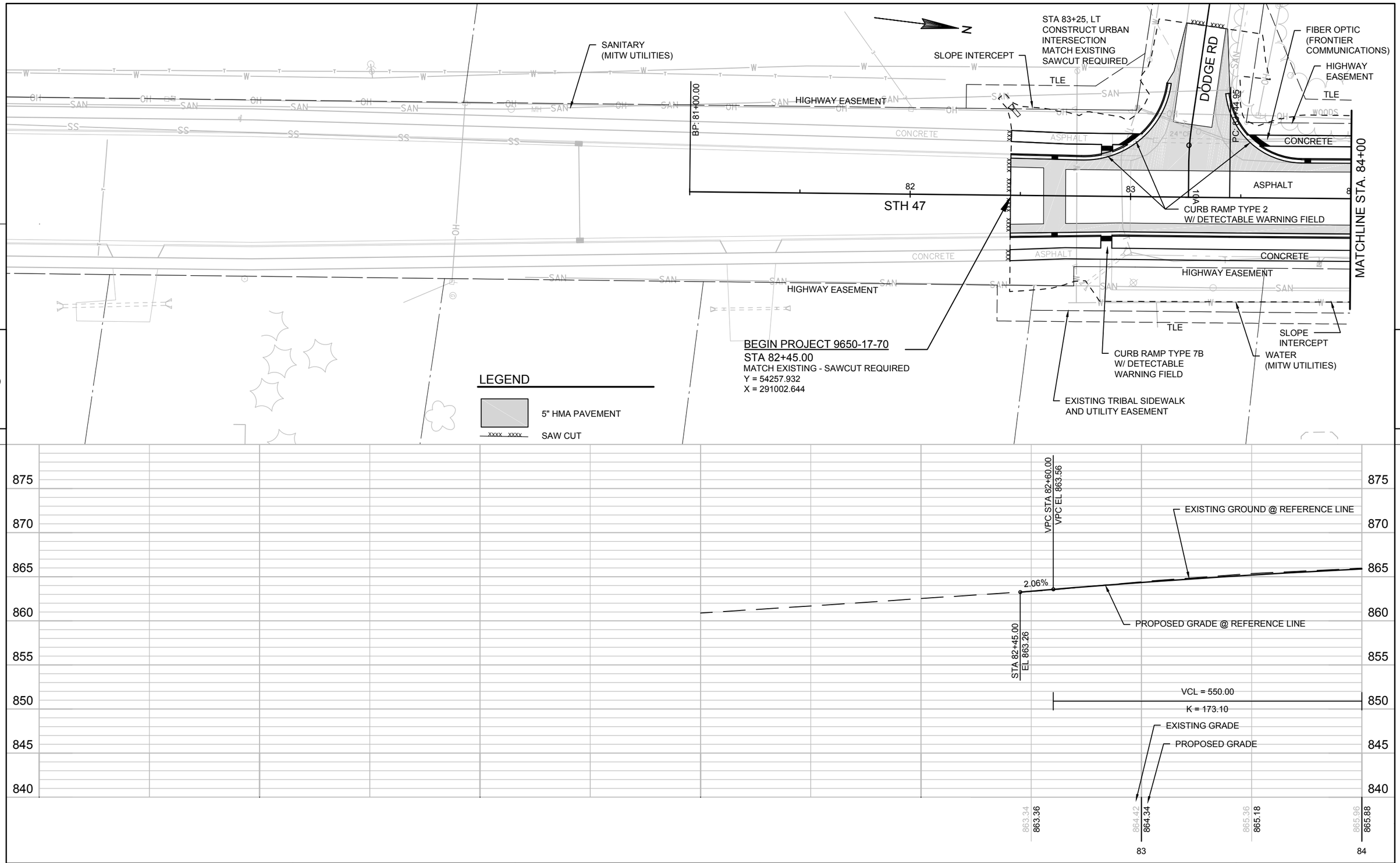
STATE R/W PROJECT NUMBER 9650-17-20/22

CONSTRUCTION PROJECT NUMBER 9650-17-70

PLAT SHEET 4.28

PS&E SHEET

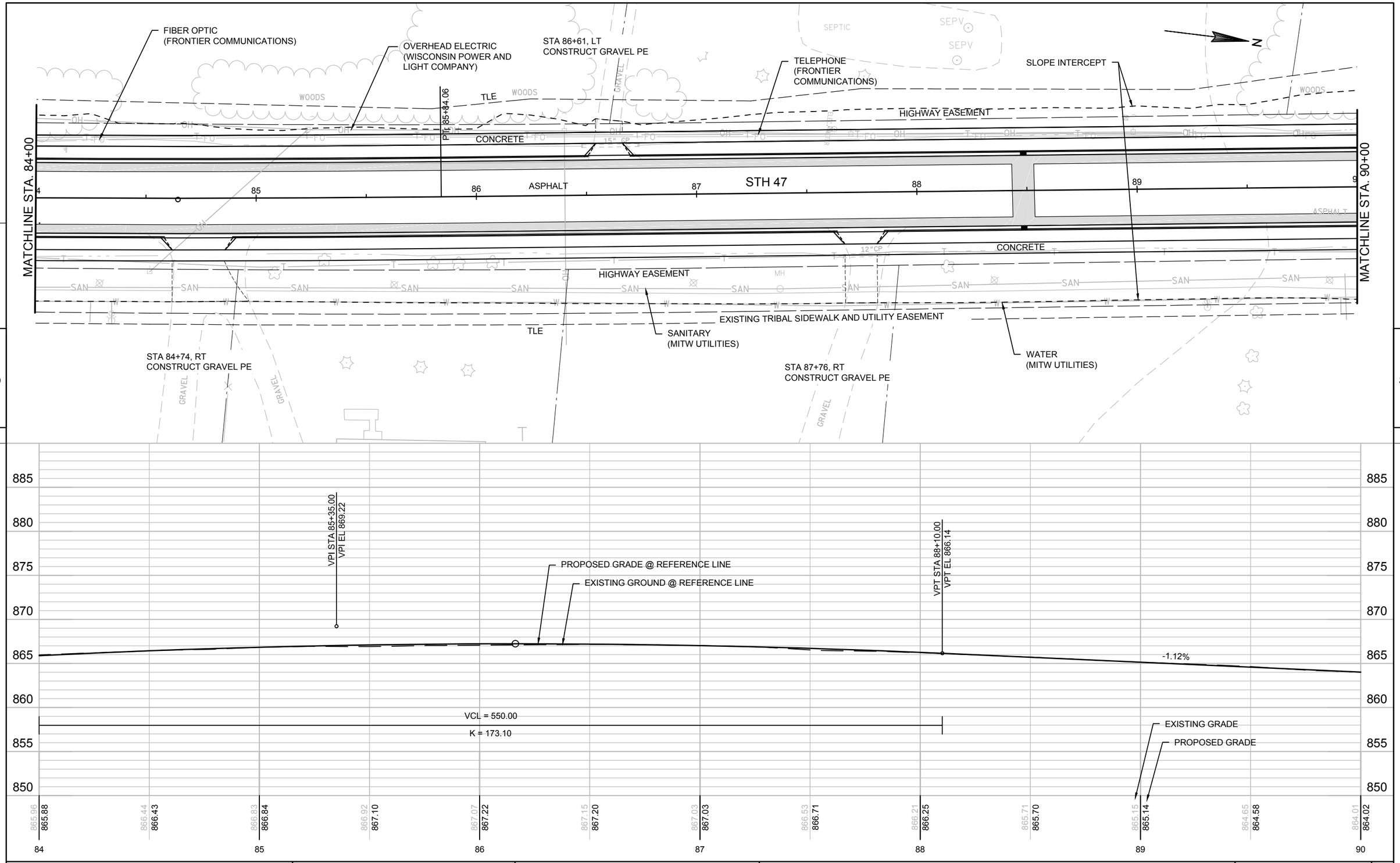
E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0501_PP.DWG PLOT DATE : 1/9/2019 11:51 AM PLOT BY : DOLAN, ISAAC PLOT NAME : 0501O1_PP

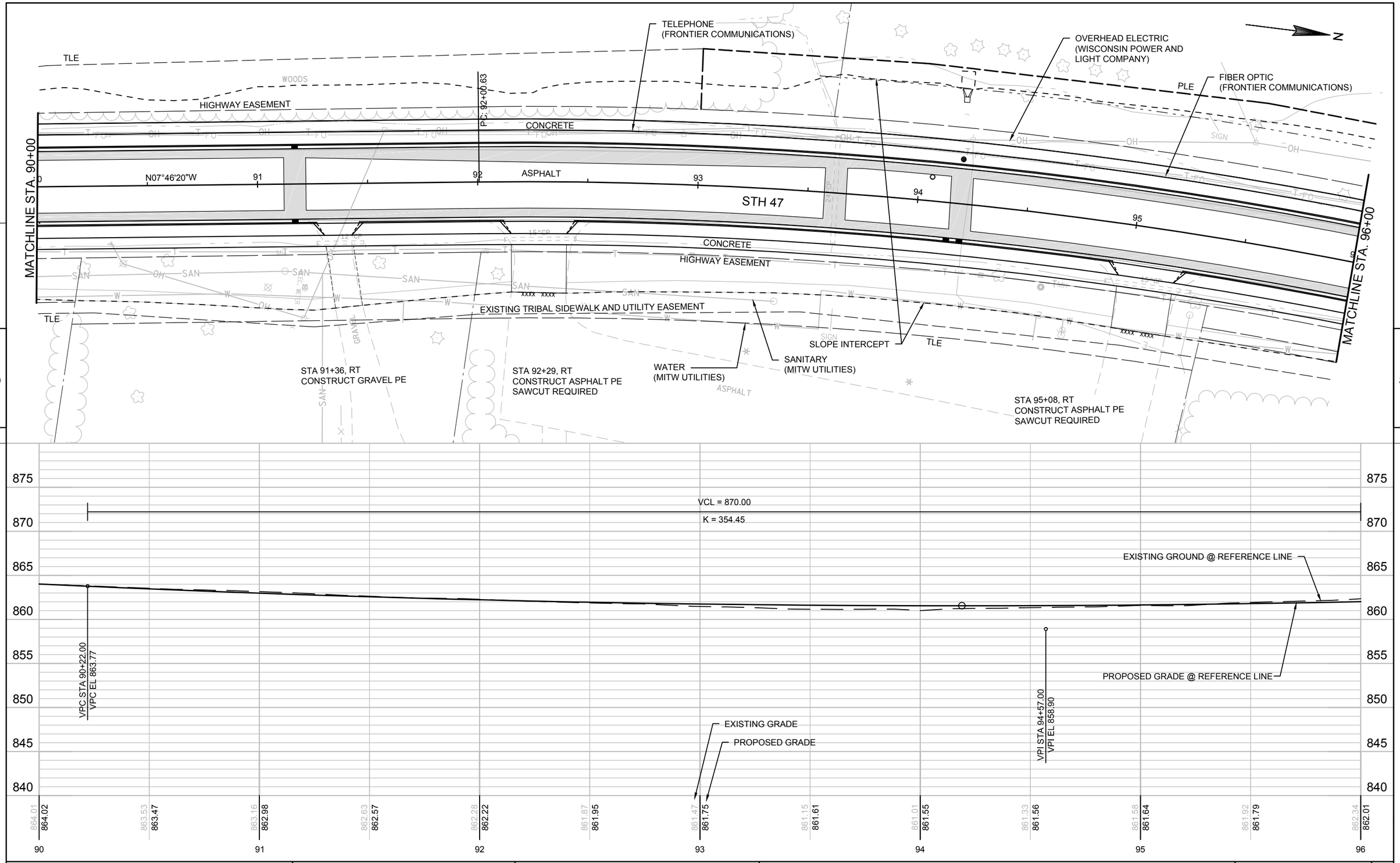
WISDOT/CADDS SHEET 40



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0501_PP.DWG PLOT DATE : 1/9/2019 11:51 AM PLOT BY : DOLAN, ISAAC PLOT NAME : Q50102_PP

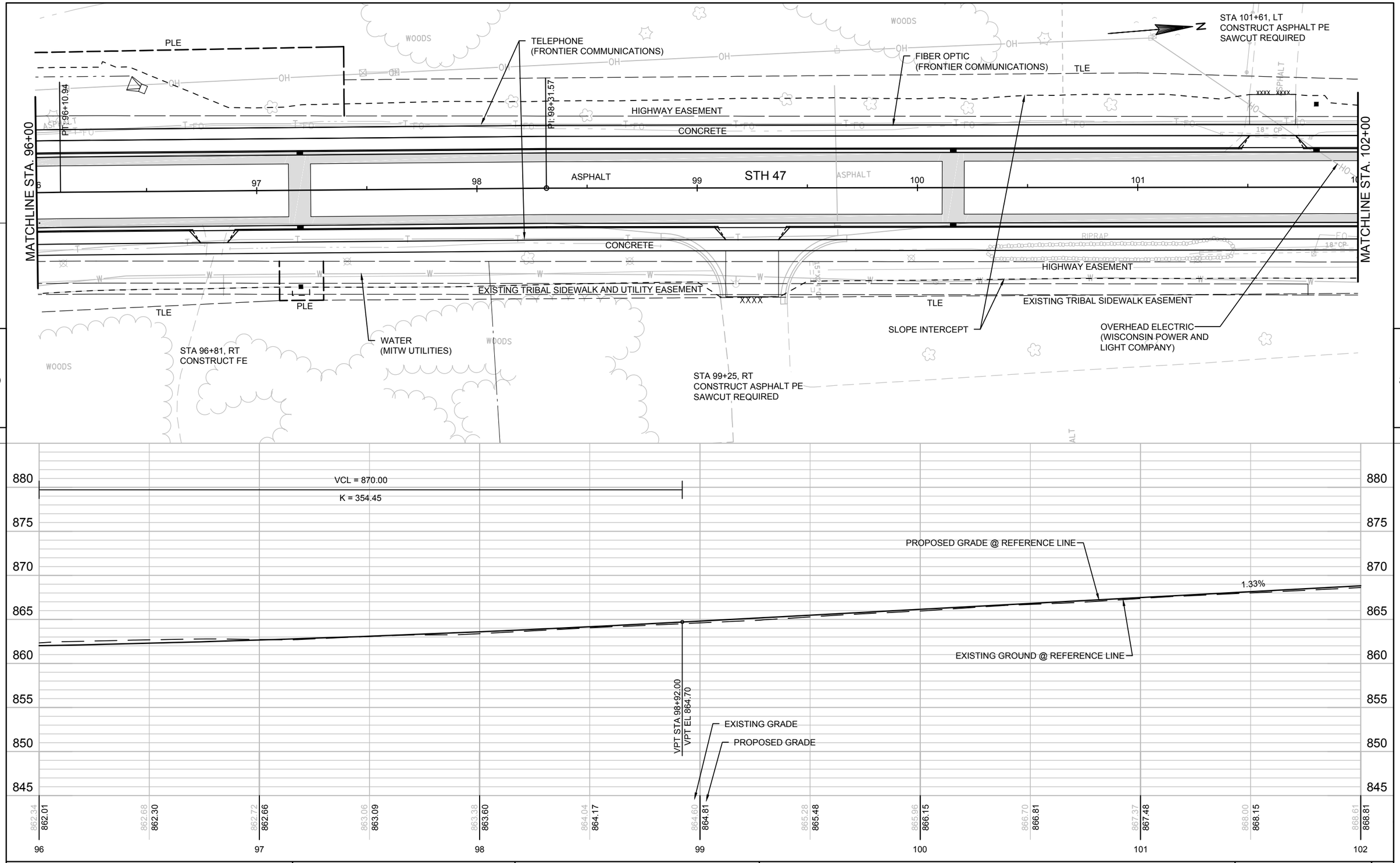
WISDOT/CADDS SHEET 40



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0501_PP.DWG PLOT DATE : 1/9/2019 11:51 AM PLOT BY : DOLAN, ISAAC PLOT NAME : 050103_PP

WISDOT/CADDS SHEET 40



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E

STA 102+77, LT
CONSTRUCT ASPHALT PE
SAWCUT REQUIRED

SANITARY
(MITW UTILITIES)

CURB RAMP TYPE 7B
W/ DETECTABLE
WARNING FIELD

FIBER OPTIC
(FRONTIER COMMUNICATIONS)

HIGHWAY EASEMENT

CURB RAMP TYPE 7B
W/ DETECTABLE
WARNING FIELD

CONCRETE

CURB RAMP TYPE 2
W/ DETECTABLE WARNING FIELD

MATCHLINE STA. 102+00

MATCHLINE STA. 108+00

STH 47

ASPHALT

ASPHALT

CONCRETE

CONCRETE

12"X18"CP

HIGHWAY EASEMENT

TLE

TLE

TLE

EXISTING TRIBAL SIDEWALK
AND UTILITY EASEMENT

WARRINGTON RD

WATER
(MITW UTILITIES)

TELEPHONE
(FRONTIER COMMUNICATIONS)

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

SLOPE INTERCEPT

ASPHALT

STA 102+96, RT
CONSTRUCT URBAN INTERSECTION
MATCH EXISTING
SAWCUT REQUIRED

STA 106+96, RT
CONSTRUCT ASPHALT PE
SAWCUT REQUIRED

PROPOSED GRADE @ REFERENCE LINE

VPC STA 104+11.00
VPC EL 871.63

VPI STA 106+11.00
VPI EL 874.30

EXISTING GROUND @ REFERENCE LINE

VCL = 400.00

K = 402.01

EXISTING GRADE

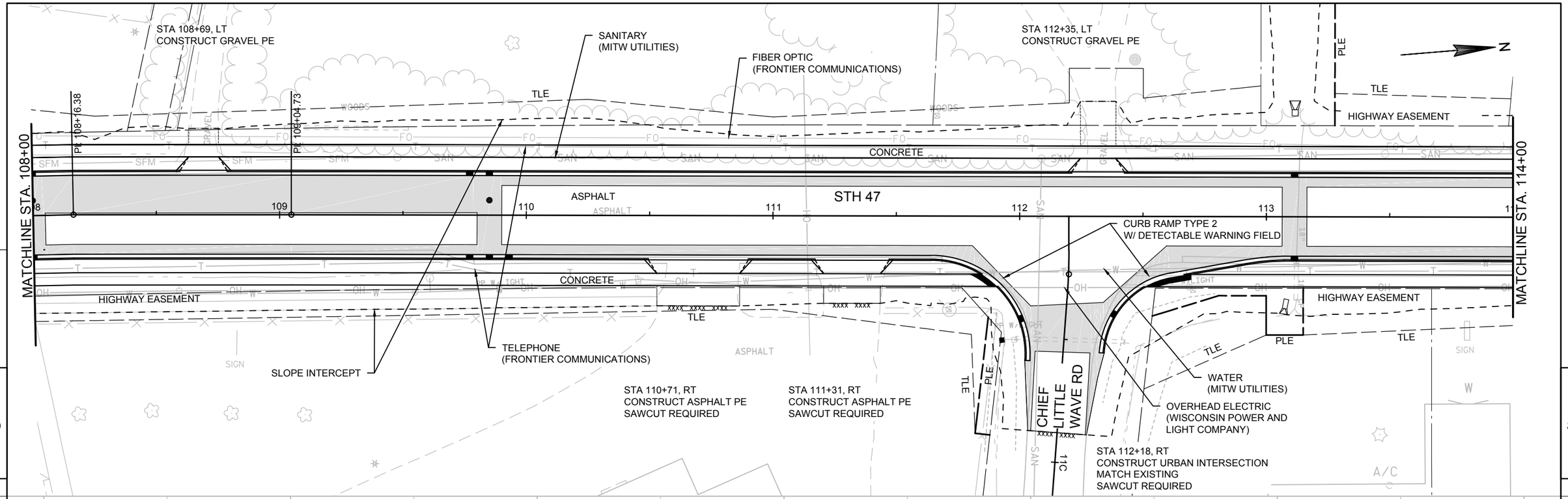
PROPOSED GRADE

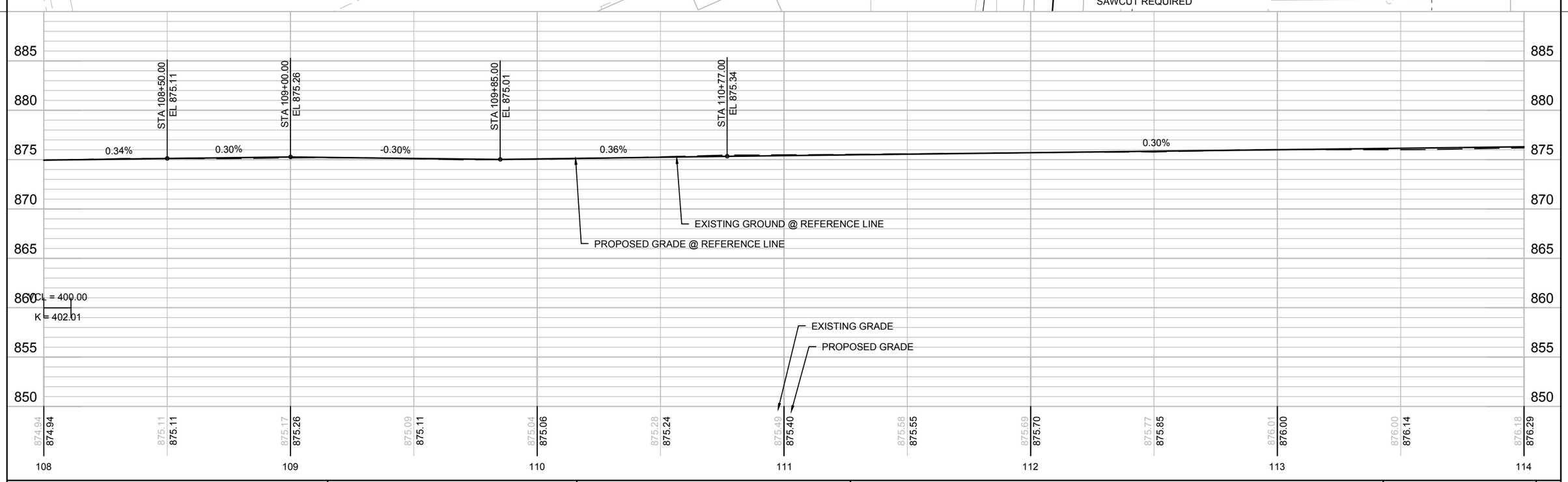
868.61	868.81	869.45	869.48	869.97	870.15	870.72	870.82	871.33	871.48	872.03	872.13	872.77	872.72	873.27	873.25	873.69	873.71	873.87	874.11	874.23	874.45	874.51	874.73	874.94	874.94
102				103				104				105				106				107				108	

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0501_PP.DWG PLOT DATE : 1/9/2019 11:51 AM PLOT BY : DOLAN, ISAAC PLOT NAME : 0501O5_PP

WISDOT/CADDS SHEET 40





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E

STA 114+20, LT
CONSTRUCT GRAVEL PE

STA 117+27, LT
CONSTRUCT GRAVEL PE

SANITARY
(MITW UTILITIES)

FIBER OPTIC
(FRONTIER COMMUNICATIONS)

WOODS

TLE

HIGHWAY EASEMENT

CONCRETE

MATCHLINE STA. 114+00

MATCHLINE STA. 119+50

4 115 116 117 118 119

ASPHALT

STH 47

HIGHWAY EASEMENT

TELEPHONE
(FRONTIER COMMUNICATIONS)

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

SLOPE INTERCEPT

WATER
(MITW UTILITIES)

GRAVEL

CONC

A/C

STA 114+86, RT
CONSTRUCT GRAVEL PE

STA 116+29, RT
CONSTRUCT CONCRETE PE
SAWCUT REQUIRED

STA 116+76, RT
CONSTRUCT FE

STA 117+80, RT
CONSTRUCT GRAVEL PE

STA 119+00, RT
CONSTRUCT GRAVEL PE

5

5

STA 114+25.00
EL 876.36

STA 114+81.00
EL 876.85

STA 116+77.00
EL 877.44

VPC STA 117+15.00
VPC EL 877.58

PROPOSED GRADE @ REFERENCE LINE

0.86%

0.30%

0.38%

EXISTING GROUND @ REFERENCE LINE

EXISTING GRADE

PROPOSED GRADE

VCL = 590.00

K = 195.57

890 885 880 875 870 865 860 855

876.18 876.29 | 876.54 876.58 | 876.91 876.90 | 877.11 877.05 | 877.10 877.20 | 877.30 877.35 | 877.48 877.52 | 877.62 877.68 | 877.64 877.71 | 877.74 877.62 | 877.52 877.40 | 877.01 877.05

114 115 116 117 118 119

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E

STA 120+80, LT
CONSTRUCT ASPHALT PE
SAWCUT REQUIRED

FIBER OPTIC
(FRONTIER
COMMUNICATIONS)

STA 120+66, LT
CONSTRUCT URBAN INTERSECTION
MATCH EXISTING
SAWCUT REQUIRED

MORRIN ST

SANITARY
(MITW UTILITIES)

HIGHWAY EASEMENT

TLE

WOODS

PP W/ GHT

PI STA 119+72.05

PI STA 122+69.88

CONCRETE

CURB RAMP TYPE 2
W/ DETECTABLE
WARNING FIELD

ASPHALT

MATCHLINE STA. 119+50

MATCHLINE STA. 125+00

CURB RAMP TYPE 7B
W/ DETECTABLE WARNING FIELD

STH 47

HIGHWAY EASEMENT

SLOPE INTERCEPT

WATER
(MITW UTILITIES)

TELEPHONE
(FRONTIER
COMMUNICATIONS)

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

STA 120+17, RT
CONSTRUCT FE

STA 121+27, RT
GRAVEL PE

STA 122+26, RT
GRAVEL PE

STA 123+00, RT
CONCRETE PE

STA 124+75, RT
GRAVEL PE

VPI STA 120+10.00
VPI EL 878.68

VCL = 150.00
K = 65.15

PROPOSED GRADE @ REFERENCE LINE

VPT STA 123+05.00
VPT EL 870.89

EXISTING GROUND @ REFERENCE LINE

-2.64%

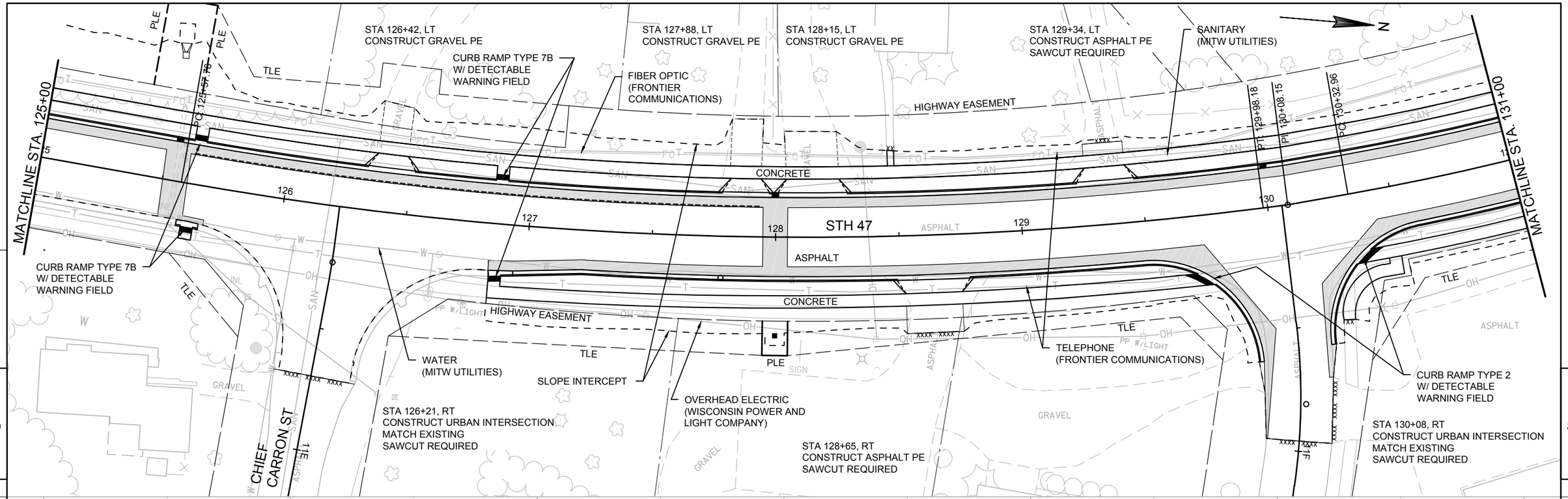
VCL = 590.00
K = 195.57

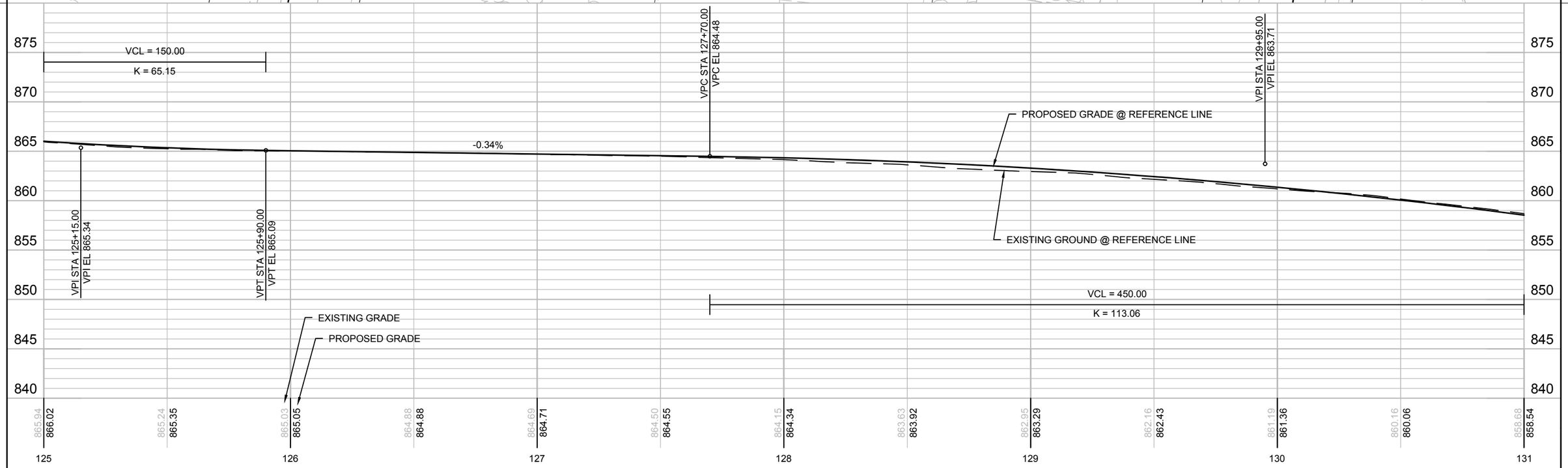
EXISTING GRADE

PROPOSED GRADE

VPC STA 124+40.00
VPC EL 867.32

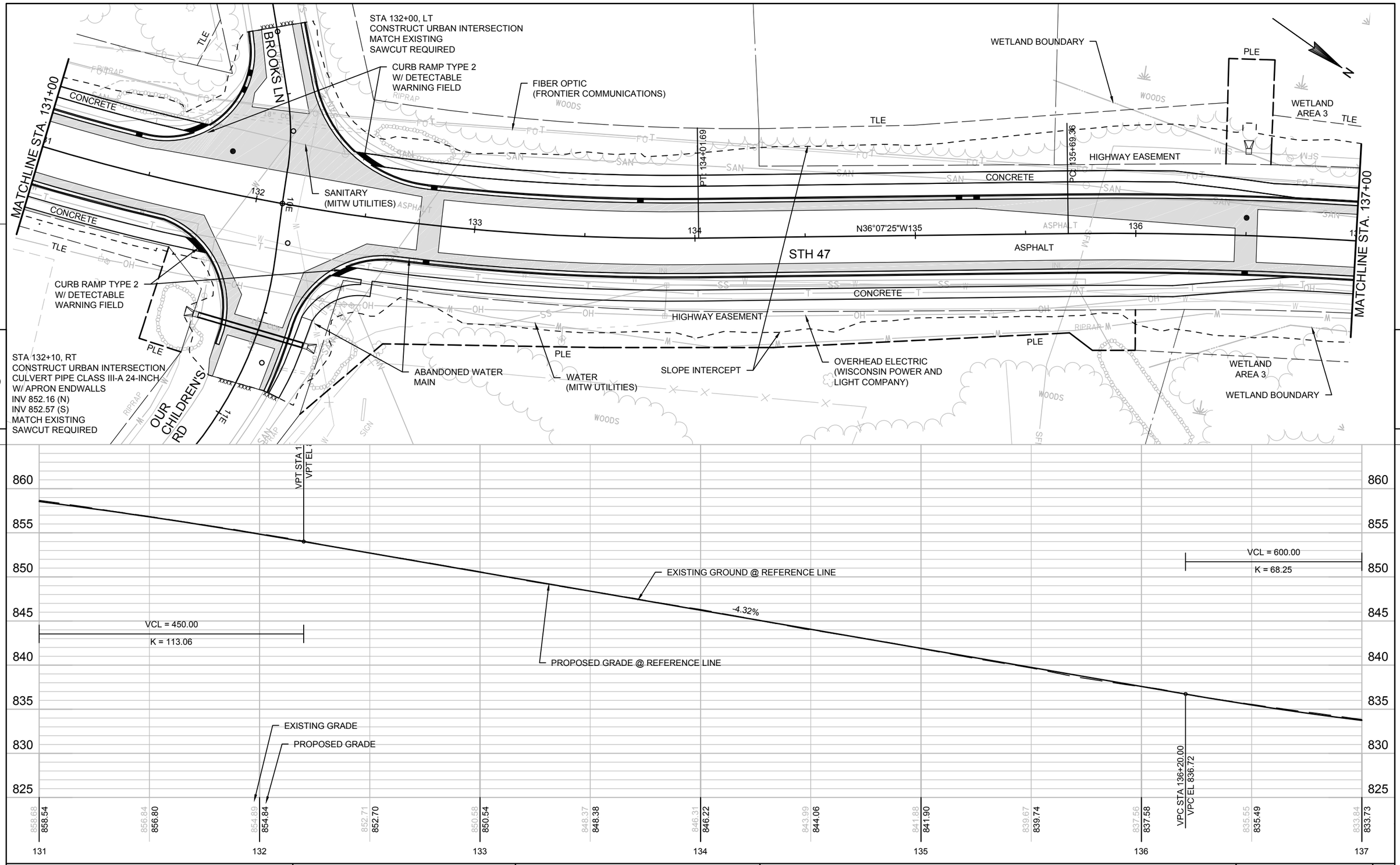
| | | |





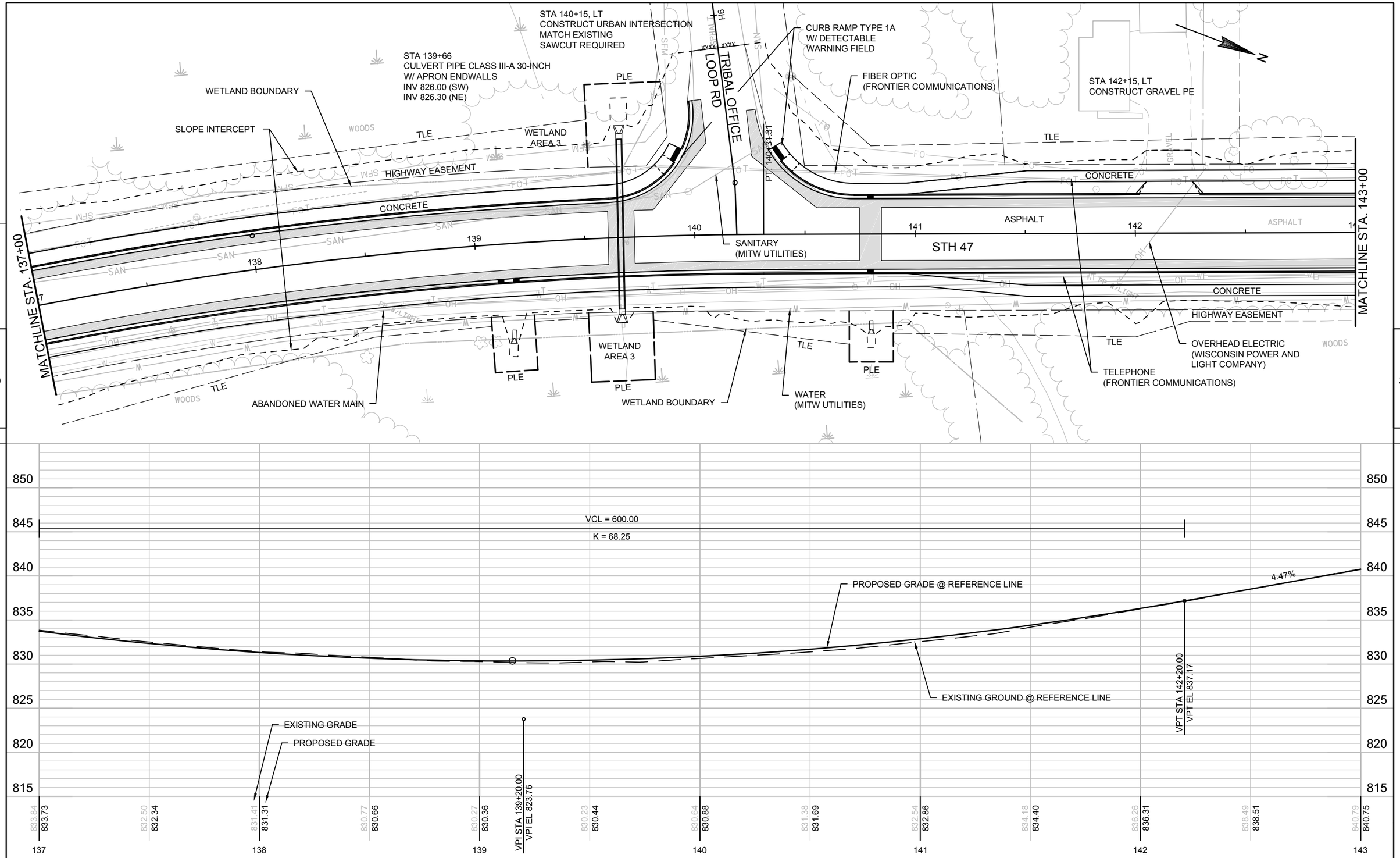
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0501_PP.DWG PLOT DATE : 1/9/2019 11:51 AM PLOT BY : DOLAN, ISAAC PLOT NAME : 050109_PP

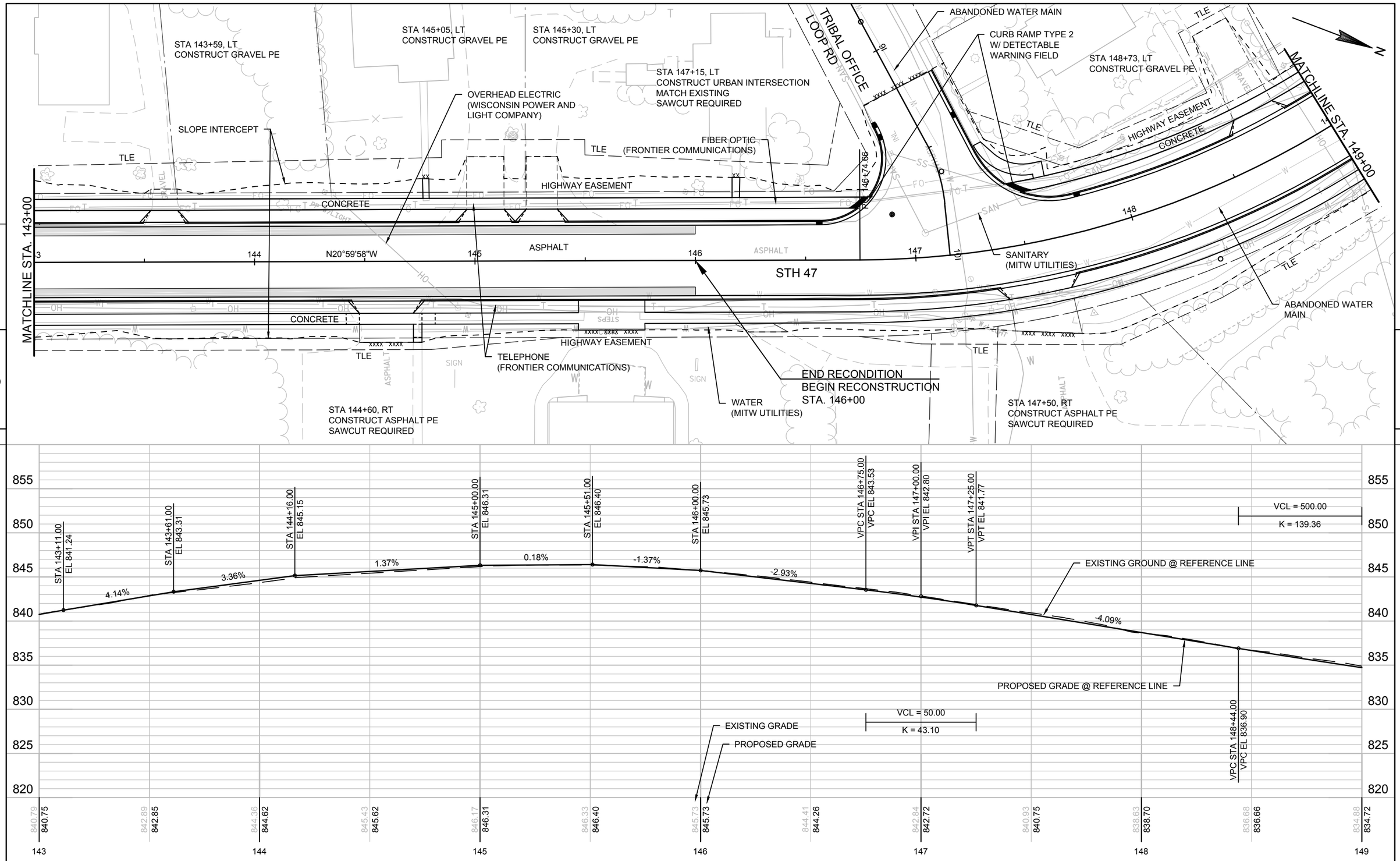


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0501_PP.DWG PLOT DATE : 1/9/2019 11:51 AM PLOT BY : DOLAN, ISAAC PLOT NAME : 050110_PP



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E

STA 149+59, LT
CONSTRUCT CONCRETE PE

STA 150+36, LT
CONSTRUCT GRAVEL PE

STA 149+95, LT
CONSTRUCT CONCRETE PE

SLOPE INTERCEPT

STA 152+49, LT
CONSTRUCT ASPHALT PE

STA 152+91, LT
CONSTRUCT ASPHALT PE

TELEVISION
(CHARTER COMMUNICATIONS)

SANITARY
(MITW UTILITIES)

WETLAND
AREA 2

WETLAND BOUNDARY

PLE

TLE

HIGHWAY EASEMENT

CONCRETE

FIBER OPTIC
(FRONTIER COMMUNICATIONS)

ASPHALT

STH 47

N64°30'02"W

MATCHLINE STA. 149+00

MATCHLINE STA. 155+00

CURB RAMP TYPE 2
W/ DETECTABLE
WARNING FIELD

HIGHWAY EASEMENT

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

TELEPHONE
(FRONTIER COMMUNICATIONS)

WATER
(MITW UTILITIES)

ABANDONED WATER
MAIN

STA 151+95, RT
CONSTRUCT GRAVEL PE

STA 153+10, RT
CONSTRUCT GRAVEL PE

FIBER OPTIC
(FRONTIER COMMUNICATIONS)

STA 154+21.35
STRUCTURE C-73-4
SINGLE CELL 6'WX3'H PRECAST
CONCRETE BOX CULVERT
101' BARREL LENGTH
4° SKEW RHF

STA 154+51, RT
CONSTRUCT URBAN INTERSECTION
MATCH EXISTING
SAWCUT REQUIRED

CTH VV

ABANDONED WATER
MAIN

VCL = 110.00
K = 109.78

VCL = 500.00
K = 139.36

PROPOSED GRADE @ REFERENCE LINE

-0.50%

EXISTING GROUND @ REFERENCE LINE

EXISTING GRADE

PROPOSED GRADE

VPI STA 150+94.00
VPI EL 826.67

VPT STA 153+44.00
VPT EL 825.41

VPC STA 154+92.00
VPC EL 824.66

| | | |

STA 156+89, LT
CONSTRUCT URBAN INTERSECTION
MATCH EXISTING
SAWCUT REQUIRED

CURB RAMP TYPE 2
W/ DETECTABLE
WARNING FIELD

HIGHWAY EASEMENT

FAIRGROUNDS RD

END RECONSTRUCTION
BEGIN RECONDITION
STA. 157+63

SANITARY
(MITW UTILITIES)

SLOPE INTERCEPT

TELEVISION
(CHARTER COMMUNICATIONS)

TLE

HIGHWAY EASEMENT

CONCRETE

SANITARY
(MITW UTILITIES)

MATCHLINE STA. 155+00

STH 47

ABANDONED WATER
MAIN

ASPHALT

CONCRETE

HIGHWAY EASEMENT

TLE

TLE

WATER
(MITW UTILITIES)

FIBER OPTIC
(FRONTIER COMMUNICATIONS)

TELEPHONE
(FRONTIER COMMUNICATIONS)

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

WATER
(MITW UTILITIES)

MATCHLINE STA. 161+00

N64°30'02"W

VCL = 110.00
K = 109.78

VCL = 150.00
K = 208.98

VCL = 385.00
K = 254.07

EXISTING GROUND @ REFERENCE LINE

PROPOSED GRADE @ REFERENCE LINE

0.50%

1.22%

VPI STA 155+47.00
VPI EL 824.39

VPT STA 156+02.00
VPT EL 824.66

VPC STA 156+54.00
VPC EL 824.92

VPI STA 157+29.00
VPI EL 825.29

VPT STA 158+04.00
VPT EL 826.20

VPC STA 158+48.50
VPC EL 826.74

VPI STA 160+41.00
VPI EL 829.08

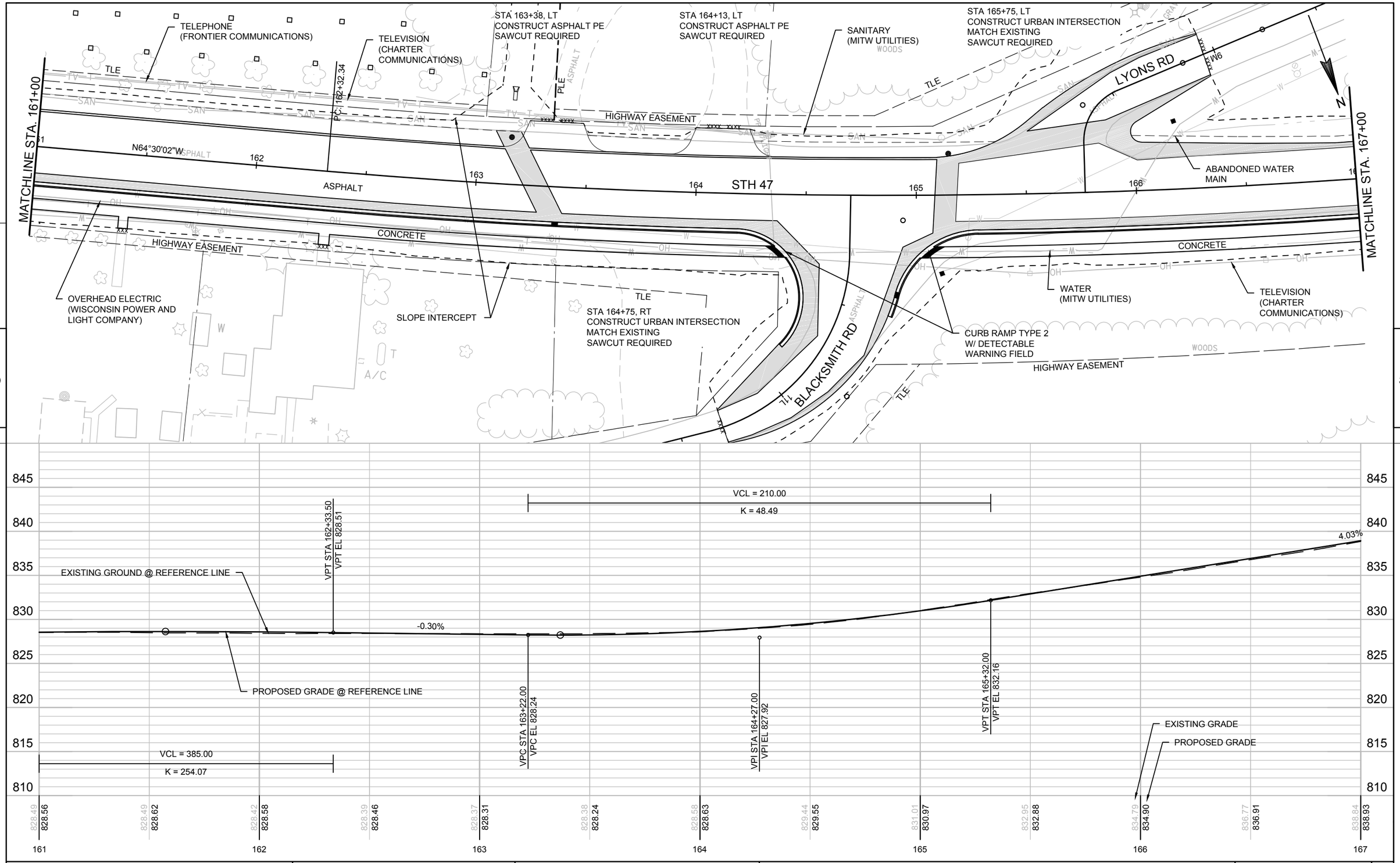
EXISTING GRADE

PROPOSED GRADE

824.09	824.63	824.36	824.52	824.69	824.65	824.93	824.90	825.26	825.20	825.59	825.62	826.16	826.15	826.77	826.76	827.35	827.32	827.92	827.77	828.19	828.13	828.35	828.39	828.49	828.56
155				156				157				158				159				160				161	

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0501_PP.DWG PLOT DATE : 1/9/2019 11:51 AM PLOT BY : DOLAN, ISAAC PLOT NAME : 050114_PP



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0501_PP.DWG PLOT DATE : 1/9/2019 11:51 AM PLOT BY : DOLAN, ISAAC PLOT NAME : 050115_PP

WISDOT/CADDS SHEET 40

MATCHLINE STA. 167+00

MATCHLINE STA. 173+00

HIGHWAY EASEMENT

SLOPE INTERCEPT

WOODS

WOODS

GRAVEL

TELEPHONE
(FRONTIER COMMUNICATIONS)

N74°29'35"W

ASPHALT

STH 47

167 168 169 170 171 172 173

CURB RAMP TYPE 2
W/ DETECTABLE
WARNING FIELD

CONCRETE

CONCRETE

HIGHWAY EASEMENT

HIGHWAY EASEMENT

WETLAND
AREA 1

WETLAND BOUNDARY

SLOPE INTERCEPT

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

WOODS

SANITARY
(MITW UTILITIES)

WATER
(MITW UTILITIES)

RABBIT RIDGE RD

TLE

SIGN

TELEVISION
(CHARTER COMMUNICATIONS)

STA 171+57, RT
CONSTRUCT URBAN INTERSECTION
MATCH EXISTING
SAWCUT REQUIRED

5

5

865
860
855
850
845
840
835
830

VPC STA 168+60.00
VPC EL 845.38

VPI STA 170+60.00
VPI EL 853.44

VPT STA 172+60.00
VPT EL 857.41

PROPOSED GRADE @ REFERENCE LINE

EXISTING GROUND @ REFERENCE LINE

EXISTING GRADE

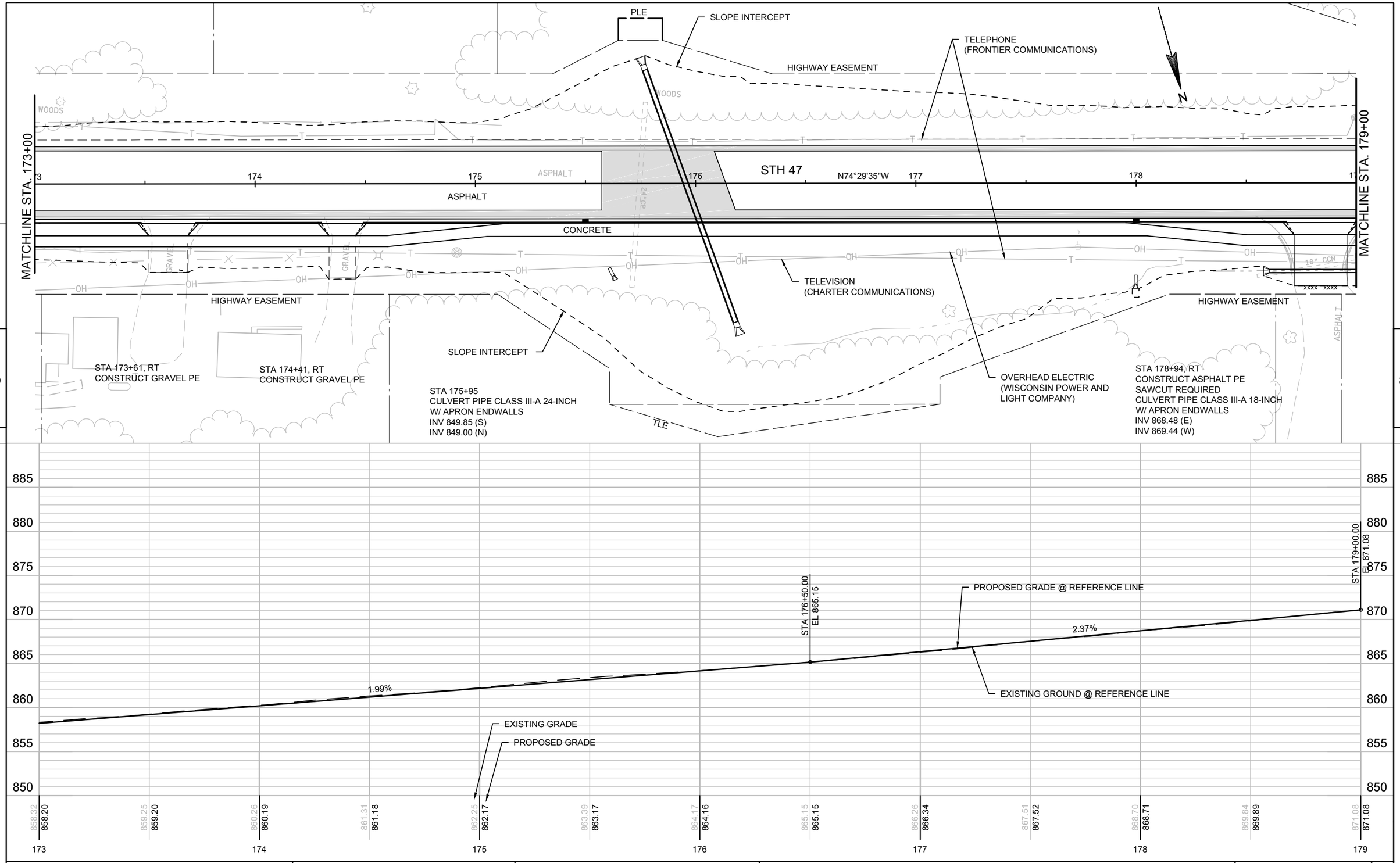
PROPOSED GRADE

VCL = 400.00

K = 195.57

838.84	838.93	841.12	840.94	843.19	842.96	845.03	844.97	846.75	846.95	848.38	848.80	850.01	850.52	851.91	852.11	853.70	853.58	855.32	854.92	856.39	856.13	857.30	857.21	858.32	858.20
167		168		169		170		171		172		173													

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E



5

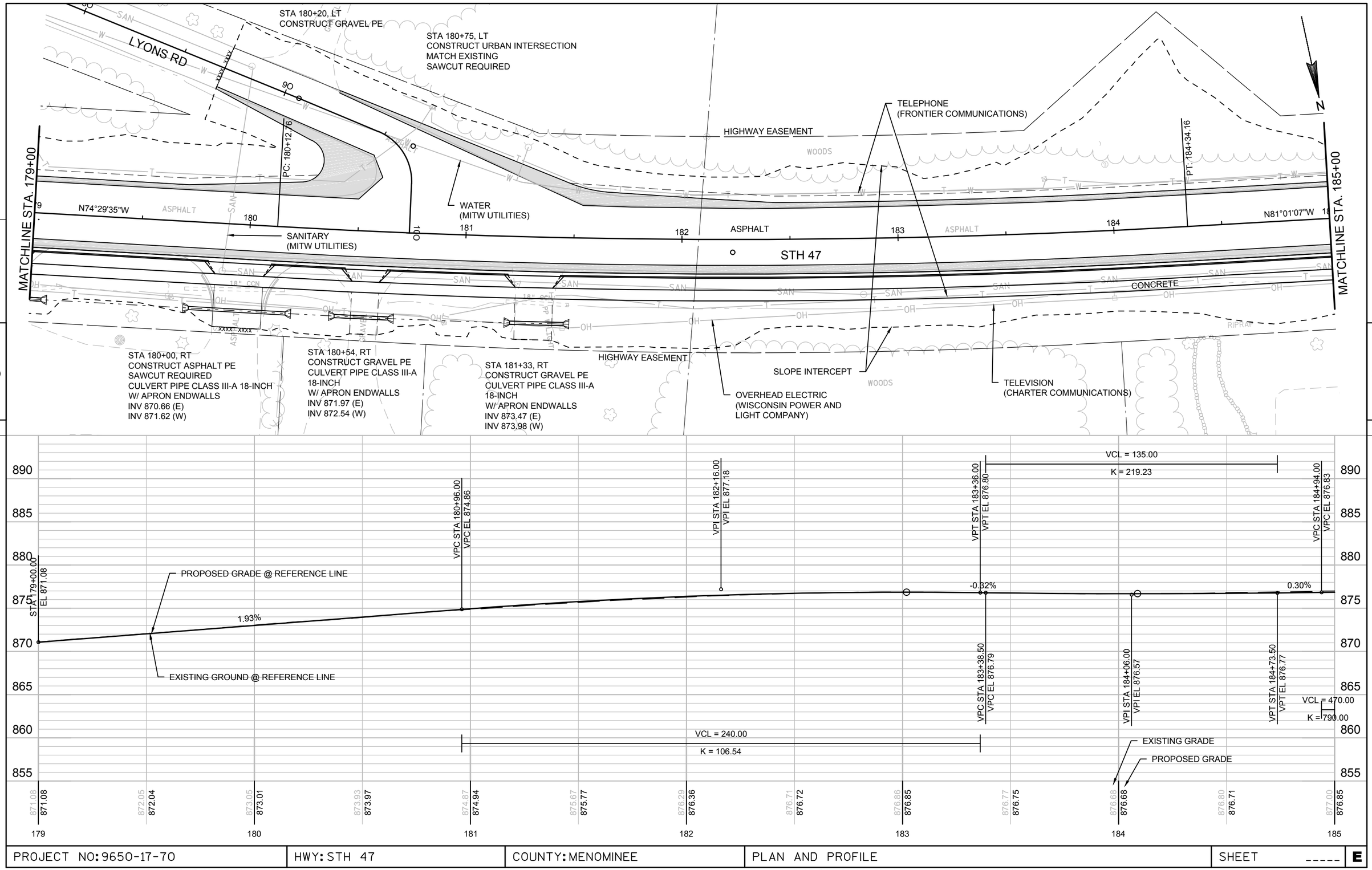
5

885

885

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E

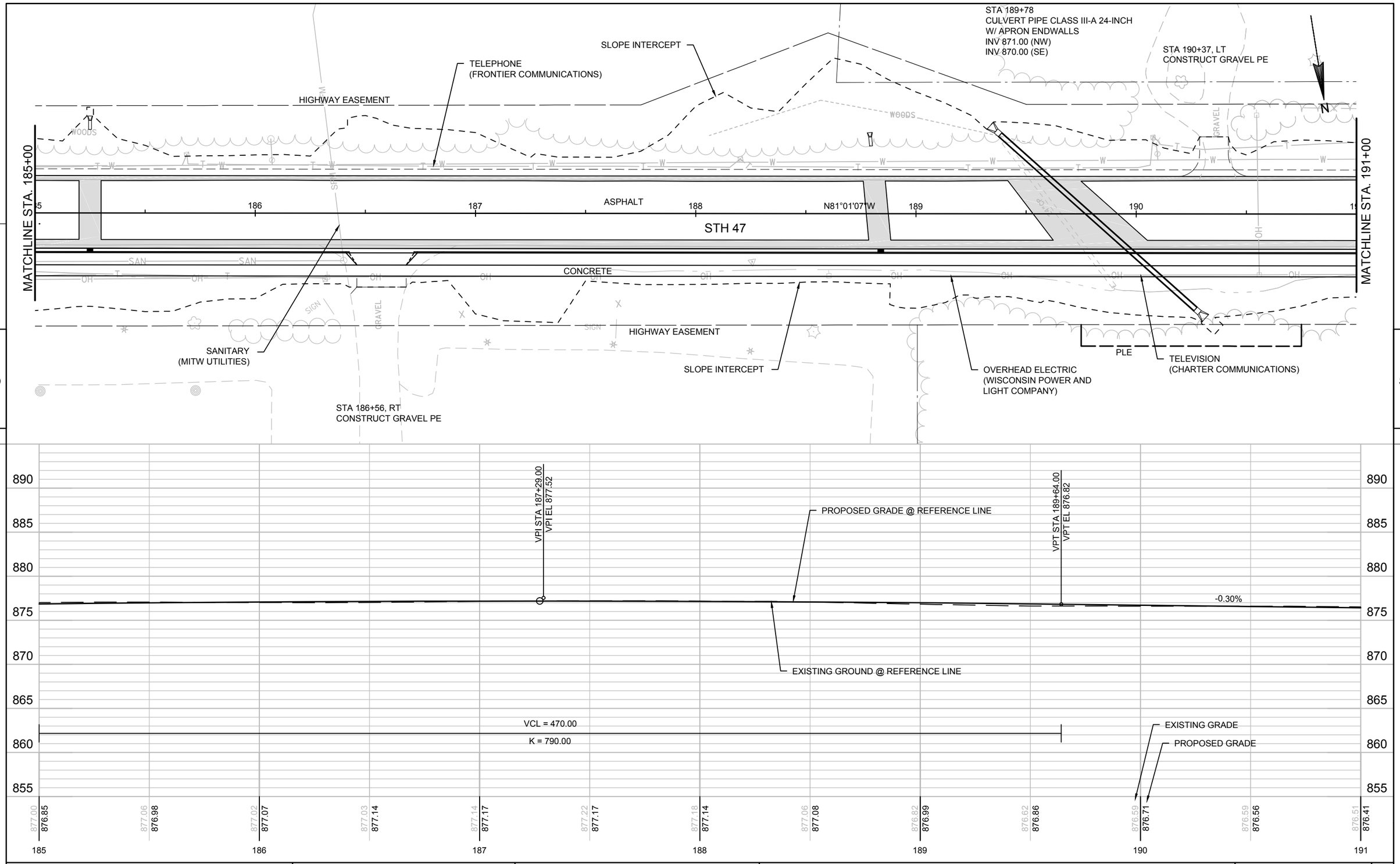
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0501_PP.DWG PLOT DATE : 1/9/2019 11:51 AM PLOT BY : DOLAN, ISAAC PLOT NAME : 050117_PP



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0501_PP.DWG PLOT DATE : 1/9/2019 11:51 AM PLOT BY : DOLAN, ISAAC PLOT NAME : 050118_PP

WISDOT/CADDS SHEET 40



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E

STA 192+45, LT
CONSTRUCT ASPHALT CE
SAWCUT REQUIRED

TELEPHONE
(FRONTIER COMMUNICATIONS)

STA 194+48, LT
CONSTRUCT ASPHALT CE
SAWCUT REQUIRED

STA 196+90, LT
CONSTRUCT URBAN INTERSECTION
MATCH EXISTING
SAWCUT REQUIRED

WOLF RIVER DR

PC: 191+05.23

PT: 193+08.76

HIGHWAY EASEMENT

ASPHALT

MATCHLINE STA. 191+00

MATCHLINE STA. 197+00

STH 47

CONCRETE

ROCK

HIGHWAY EASEMENT

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

SLOPE INTERCEPT

TELEVISION
(CHARTER COMMUNICATIONS)

5

5

890
885
880
875
870
865
860
855

STA 191+16.00
EL 876.36

EXISTING GROUND @ REFERENCE LINE

PROPOSED GRADE @ REFERENCE LINE

-0.30%

VPC STA 193+33.50
VPC EL 875.72

VPI STA 195+81.00
VPI EL 874.99

VCL = 495.00

K = 235.78

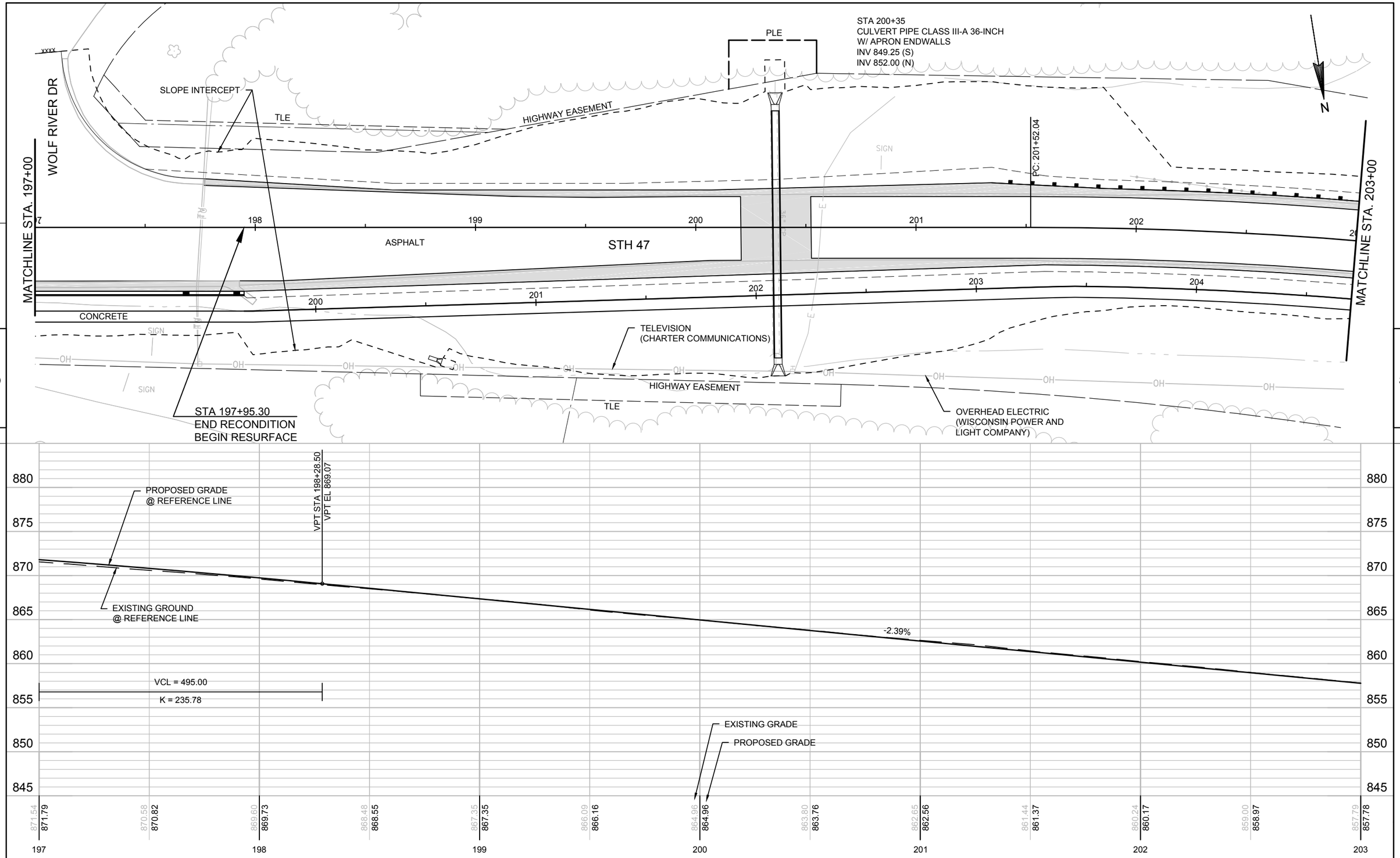
EXISTING GRADE

PROPOSED GRADE

876.51	876.41			
876.35	876.26			
876.28	876.12	876.12	875.97	
875.98	875.82	875.83	875.67	
875.45	875.43	875.15	875.09	
874.70	874.64	874.05	874.09	
873.25	873.43	872.54	872.66	871.54	871.79

191 192 193 194 195 196 197

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E

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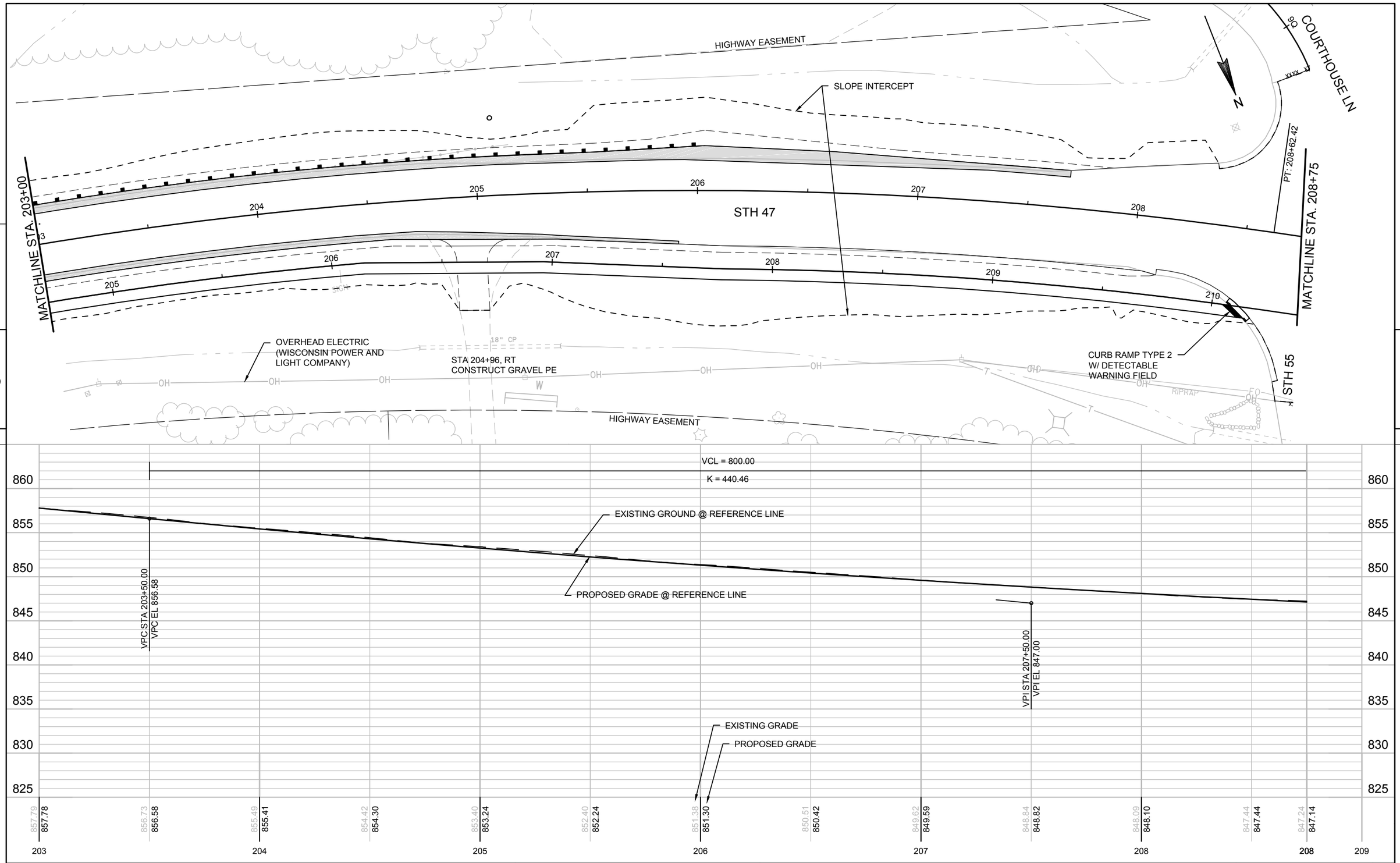
WISDOT/CADDS SHEET 40



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E

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WISDOT/CADDS SHEET 40

HIGHWAY EASEMENT

N

COURTHOUSE LN

PC: 209+02.78

PT: 210+61.21

RIPRAP

ASPHALT

MATCHLINE STA. 208+75

MATCHLINE STA. 214+50

STH 47

CURB RAMP TYPE 2
W/ DETECTABLE
WARNING FIELD

STH 55

SLOPE INTERCEPT

SIGN

TELEVISION
(CHARTER COMMUNICATIONS)

OH

FO

END CONSTRUCTION 9650-17-70
BEGIN PROJECT 9650-17-61
STA 212+12.34
Y = 62,513.537
X = 284,269.878

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

36" CP

WOLF RIVER

WOLF

VCL = 800.00

K = 440.46

PROPOSED GRADE @ REFERENCE LINE

EXISTING GROUND @ REFERENCE LINE

STA 212+38.52
EL 844.17

-0.58%

-0.52%

VPT STA 211+50.00
VPT EL 844.69

EXISTING GRADE

PROPOSED GRADE

208	208	209	210	211	212	213	214	214
	847.24 / 847.14	847.02 / 846.84	846.34 / 846.30	845.82 / 845.81	845.46 / 845.38	845.10 / 845.00	844.74 / 844.69	844.43 / 844.40	837.93 / 844.12	824.91 / 843.86	824.92 / 843.60	824.92 / 843.34	824.97 / 843.08

PROJECT NO: 9650-17-61/70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\0501_PP.DWG PLOT DATE : 1/9/2019 11:51 AM PLOT BY : DOLAN, ISAAC PLOT NAME : 050123_PP

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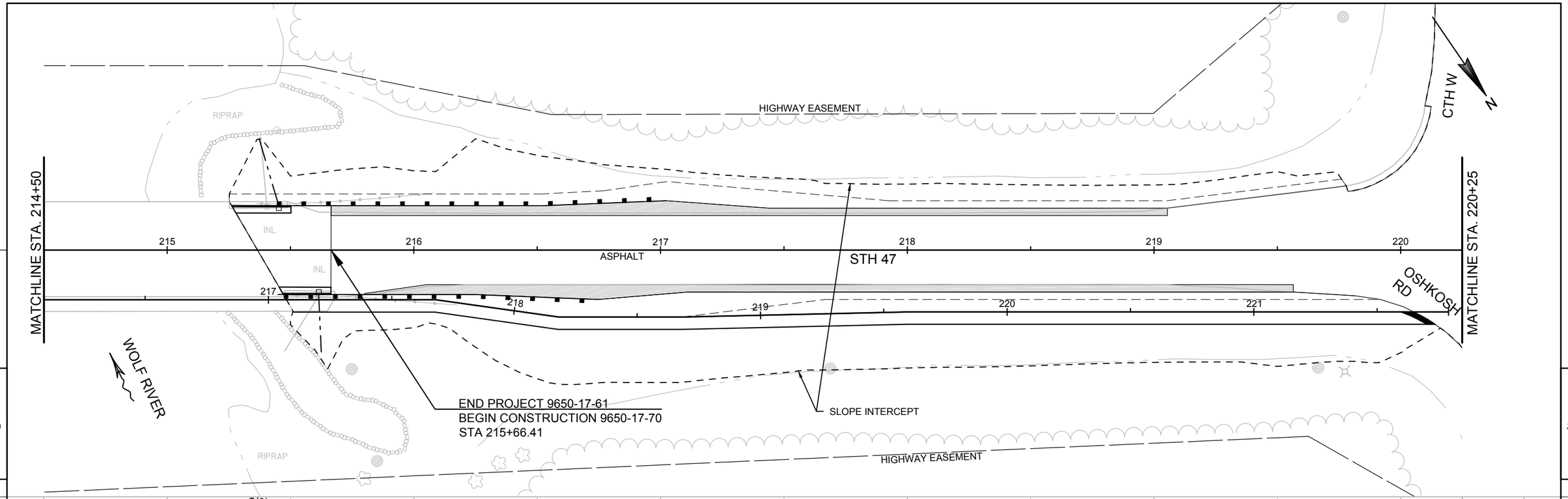

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R

CTH W

HIGHWAY EASEMENT

PC: 223+40.07

N

MATCHLINE STA. 220+25

STH 47

13R

221

ASPHALT

222

223

224

225

226

OSHKOSH RD

14R

HIGHWAY EASEMENT

END PROJECT 9650-17-70
STA 221+50.00
MATCH EXISTING - SAWCUT REQUIRED

5

5

865

860

855

850

845

840

835

830

VCL = 249.13

K = 152.45

STA 221+50.00
EL 848.78

PROPOSED GRADE @ REFERENCE LINE

EXISTING GROUND @ REFERENCE LINE

2.73%

VPI STA 220+25.43
VPI EL 845.32

VPT STA 221+50.00
VPT EL 848.77

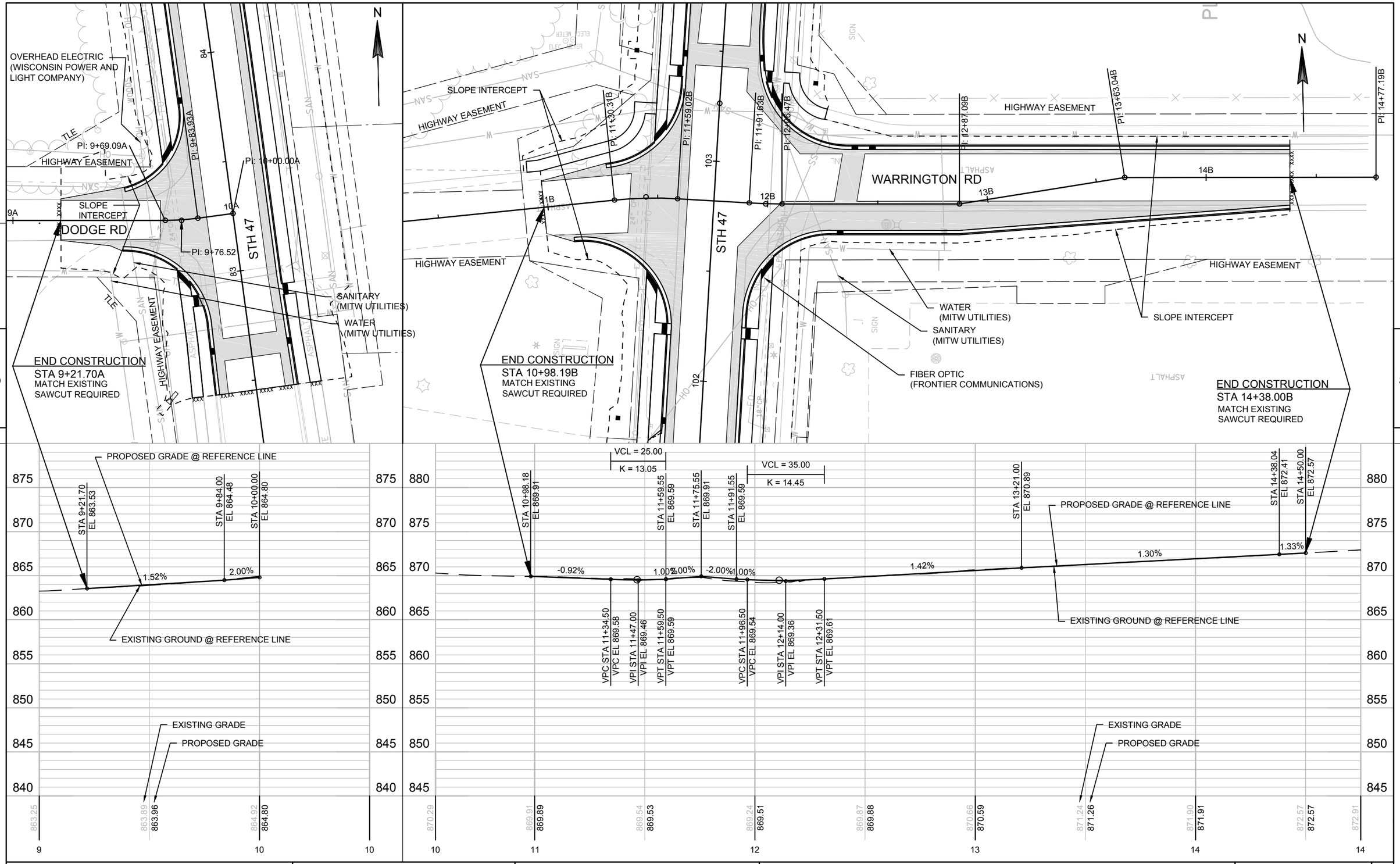
EXISTING GRADE

PROPOSED GRADE

845.93 845.82 846.42 846.33 847.49 847.47 848.78 848.78 850.10 851.61 853.36 855.06 856.66 858.40 860.09 861.64 863.20 863.84

220 221 222 223 224 225 226 226

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E



PROJECT NO: 9650-17-70 | HWY: STH 47 | COUNTY: MENOMINEE | PLAN AND PROFILE | SHEET _____ | E

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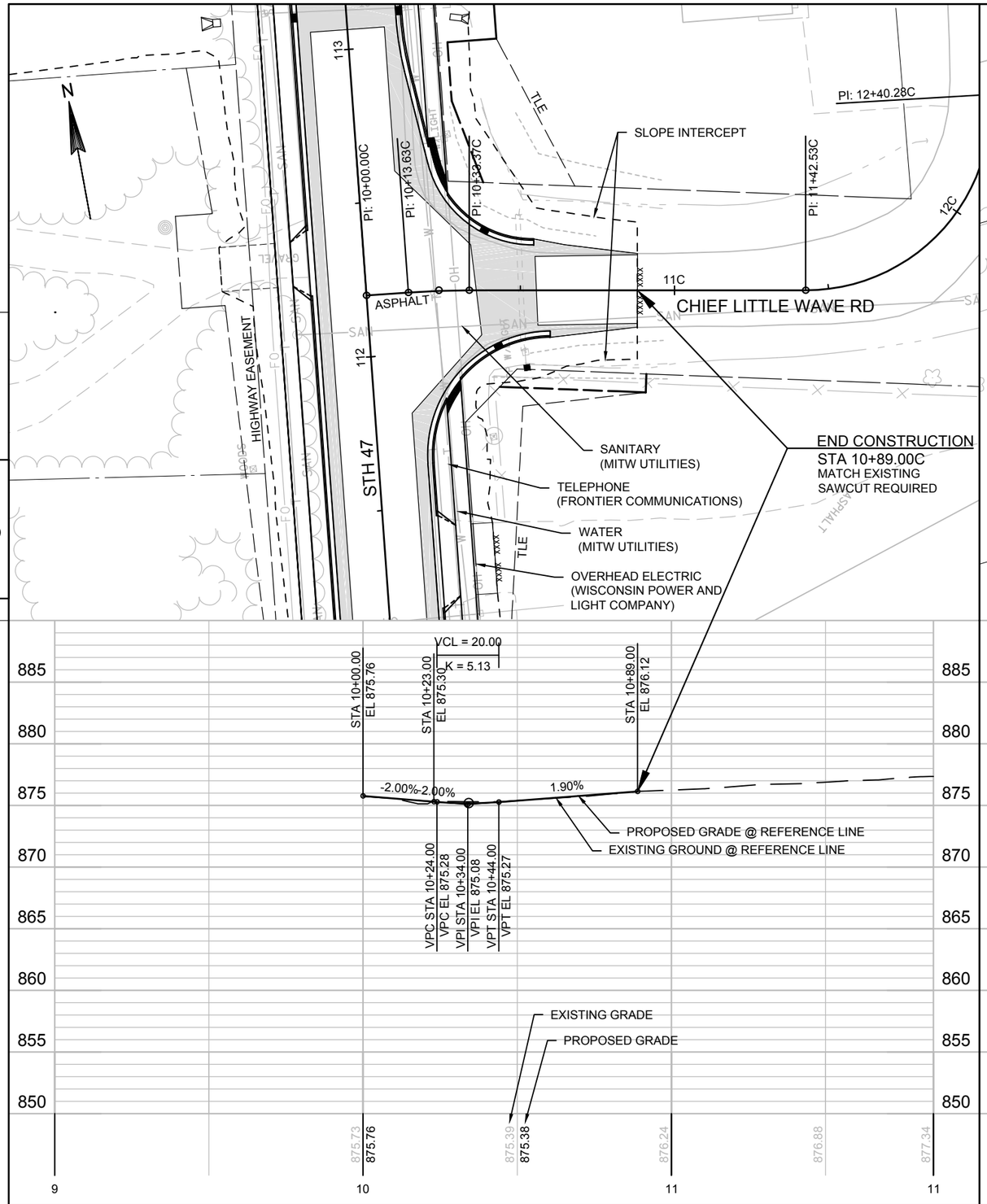

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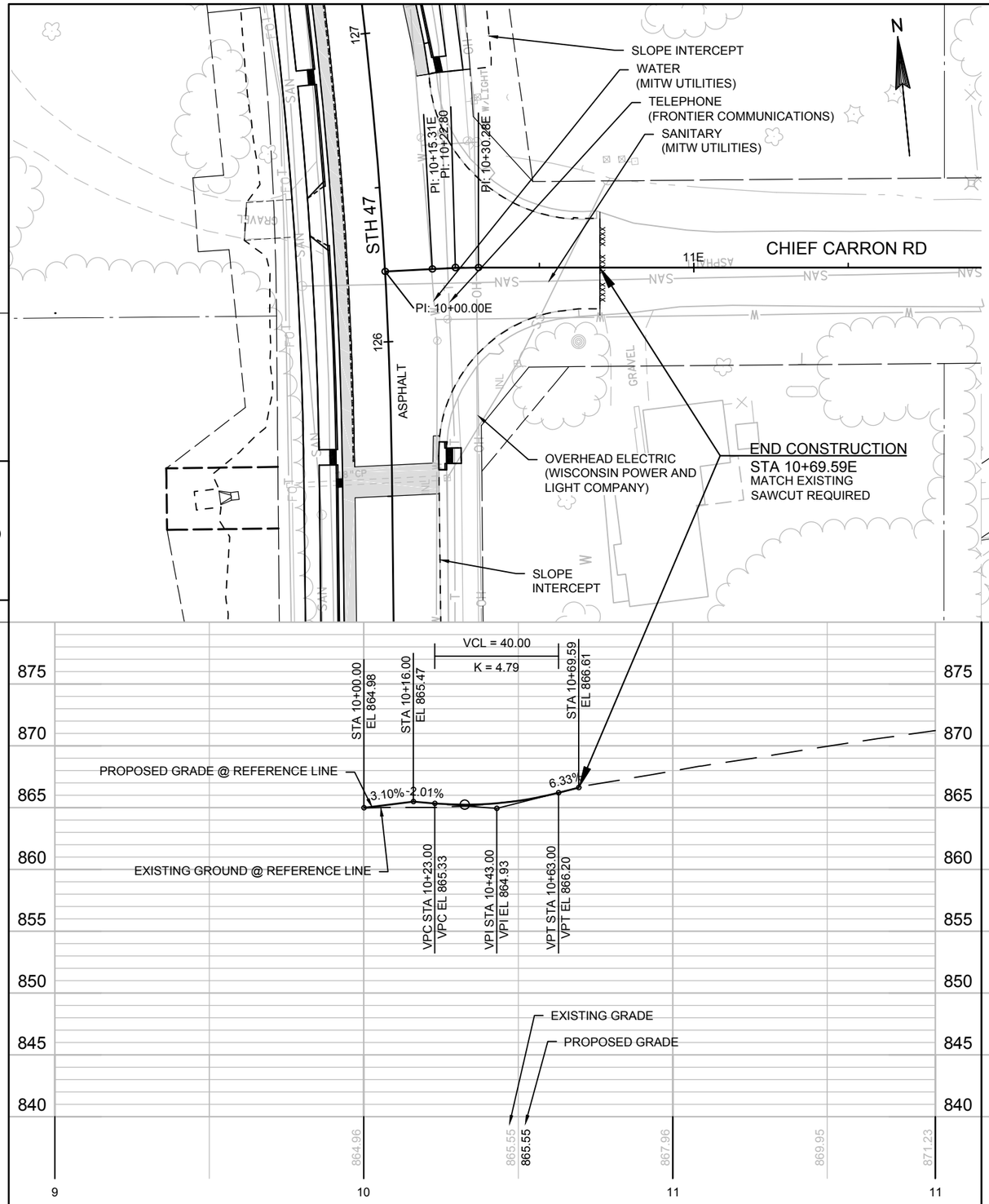

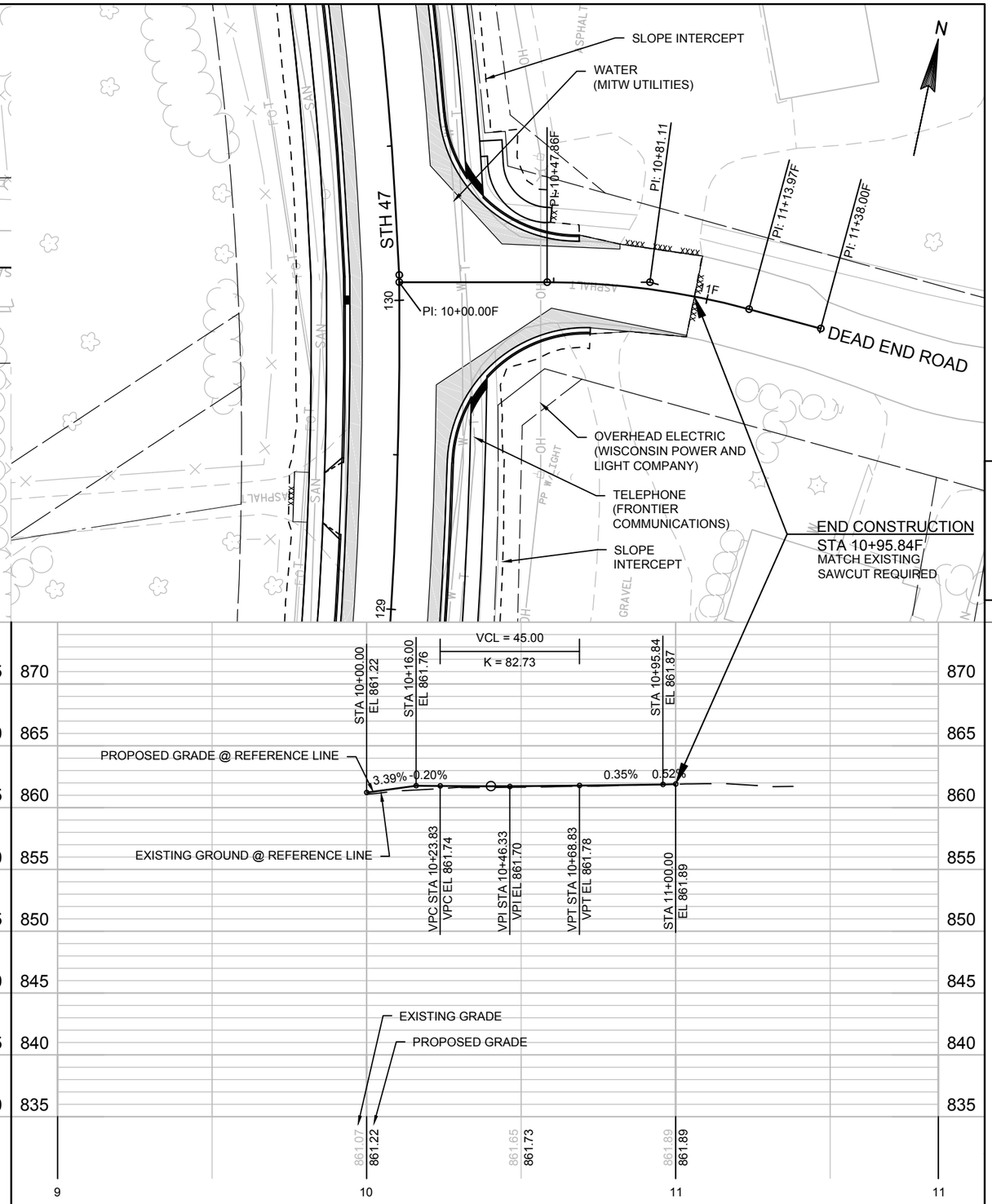

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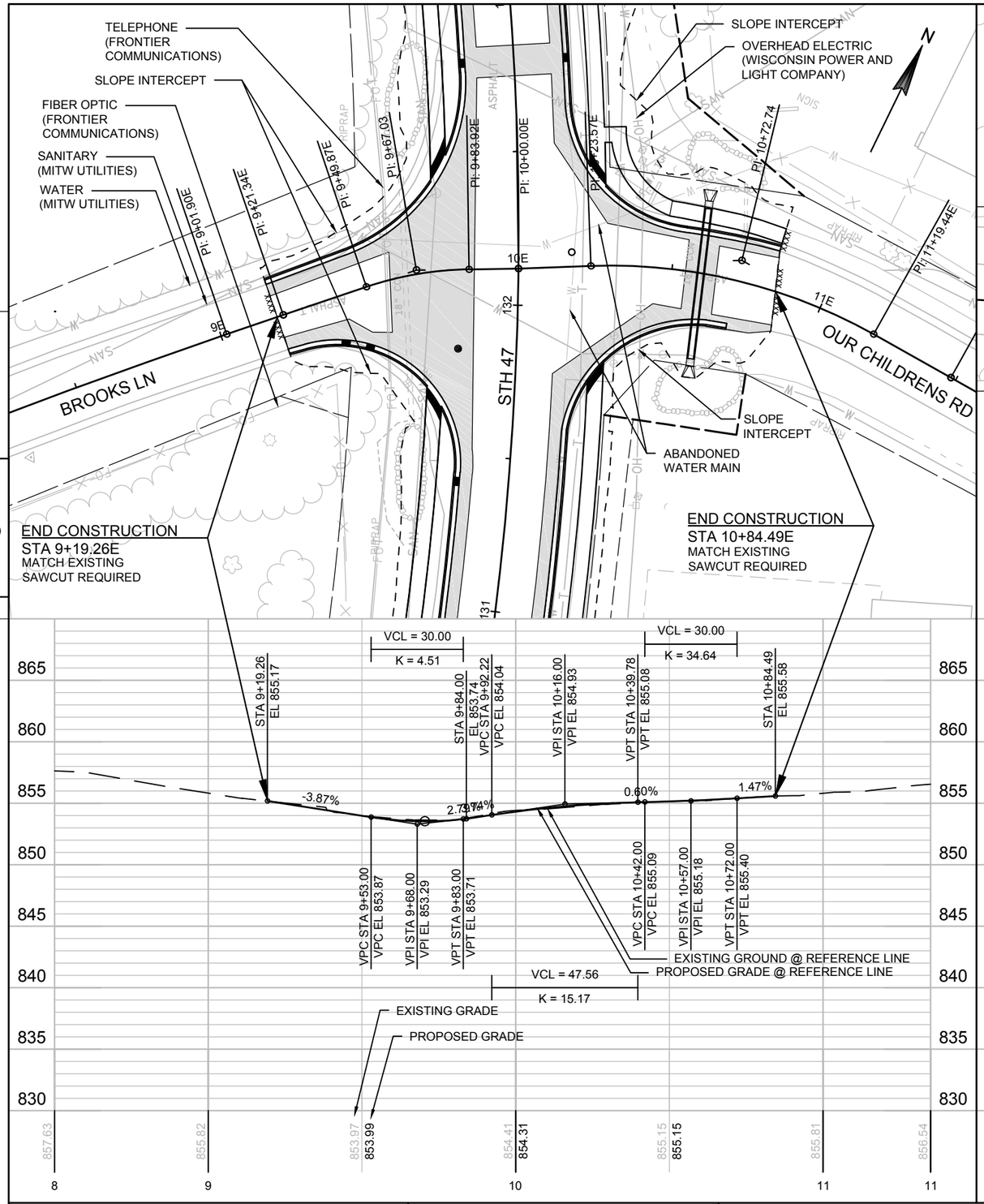
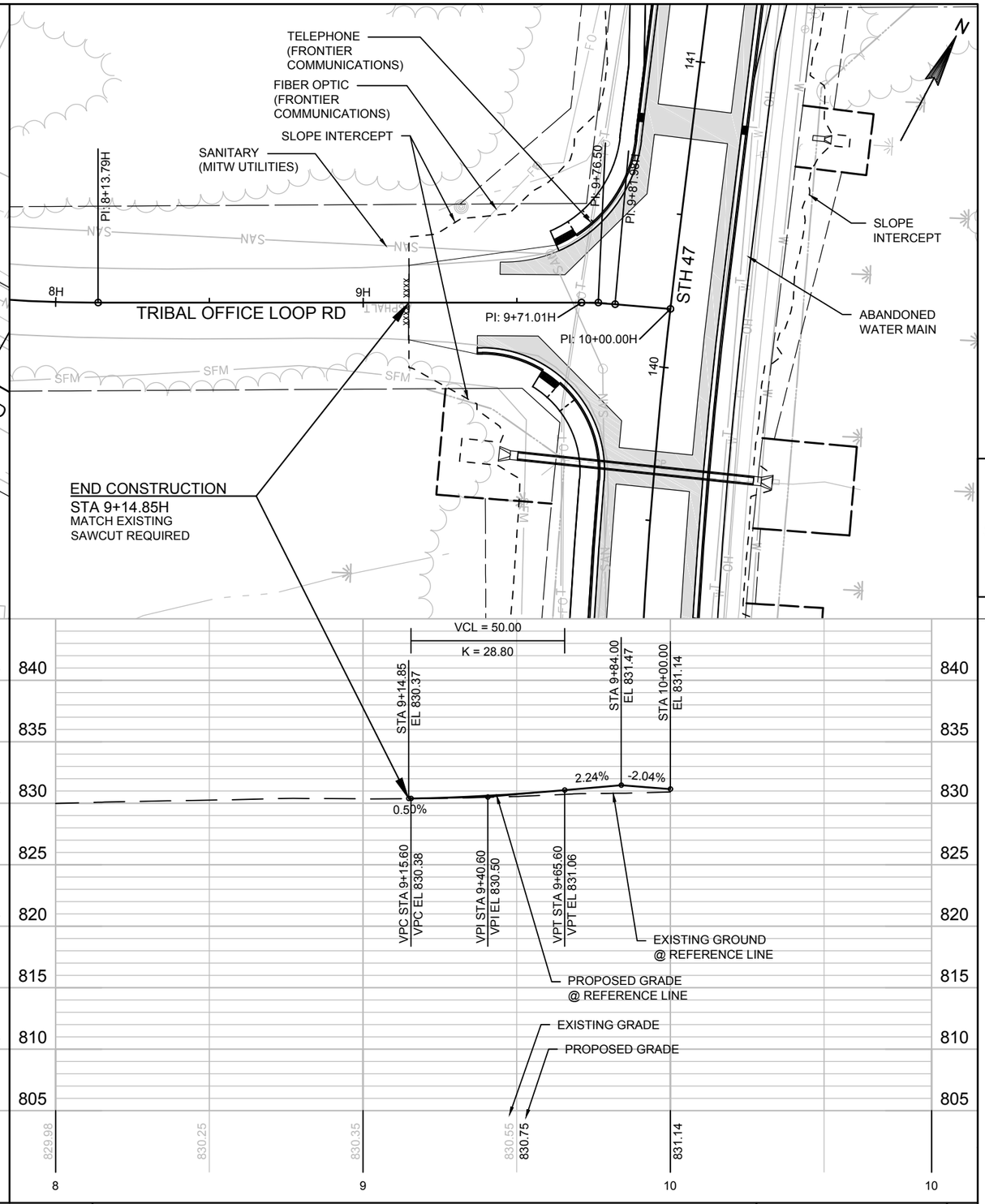
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E





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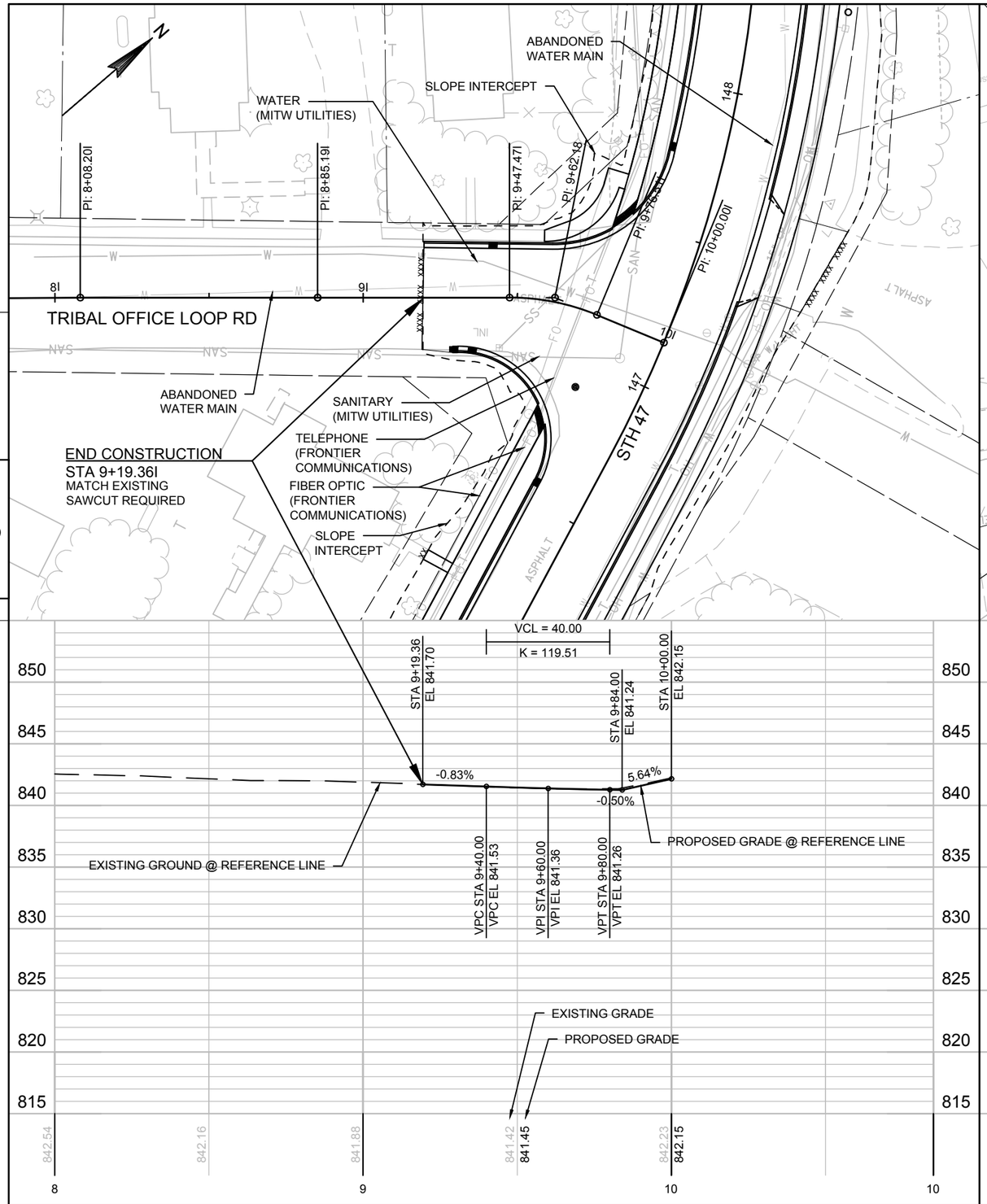

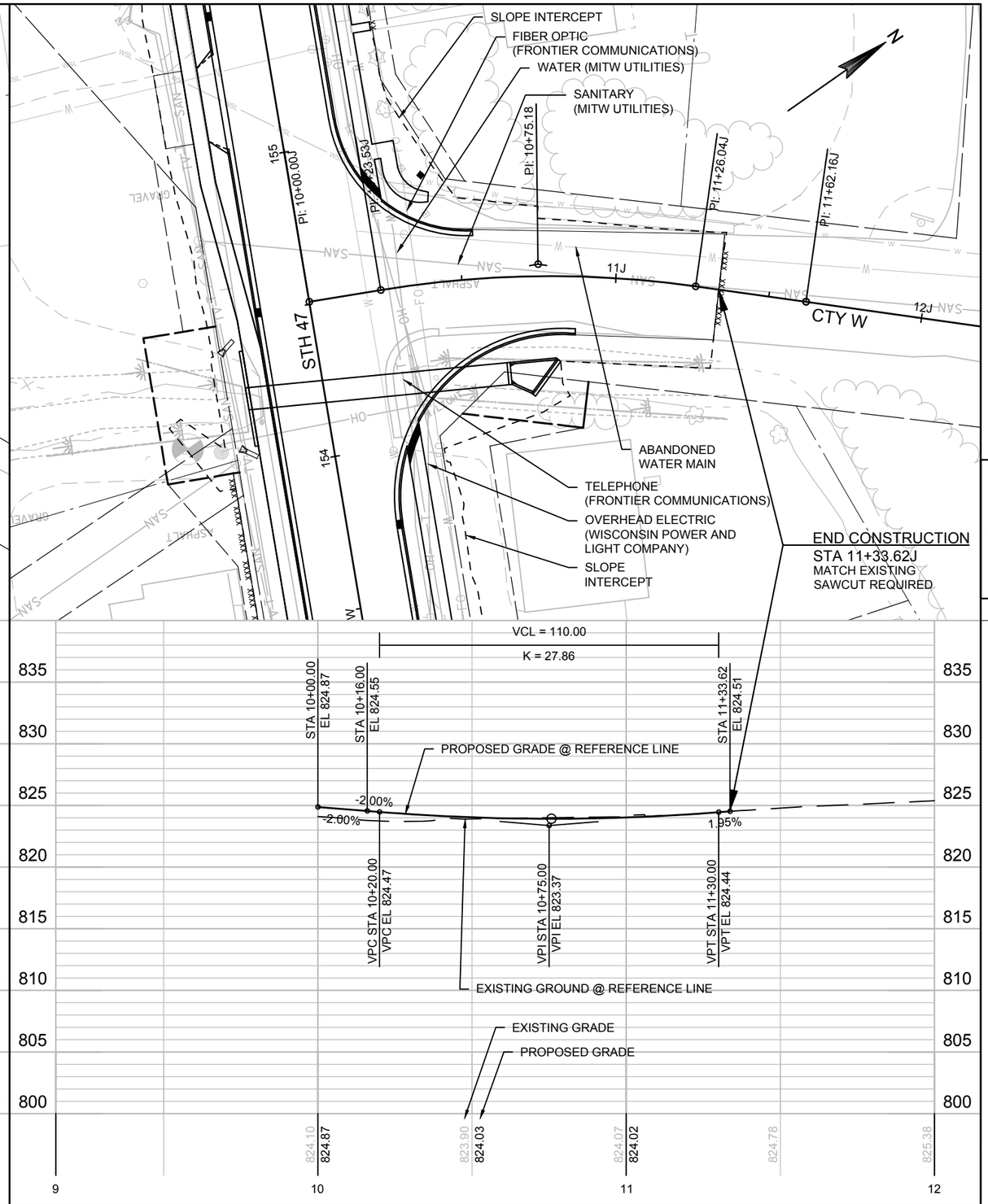

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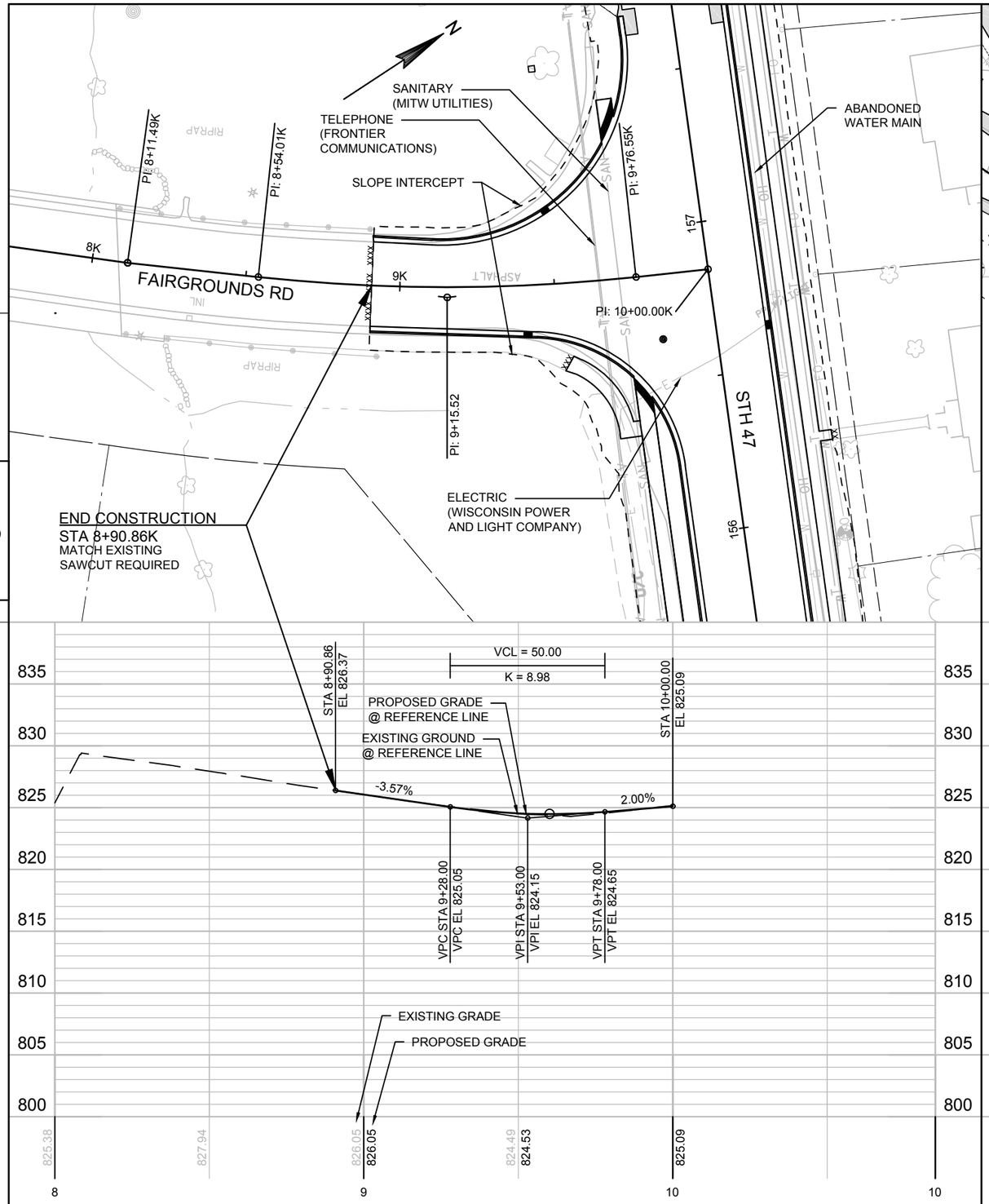

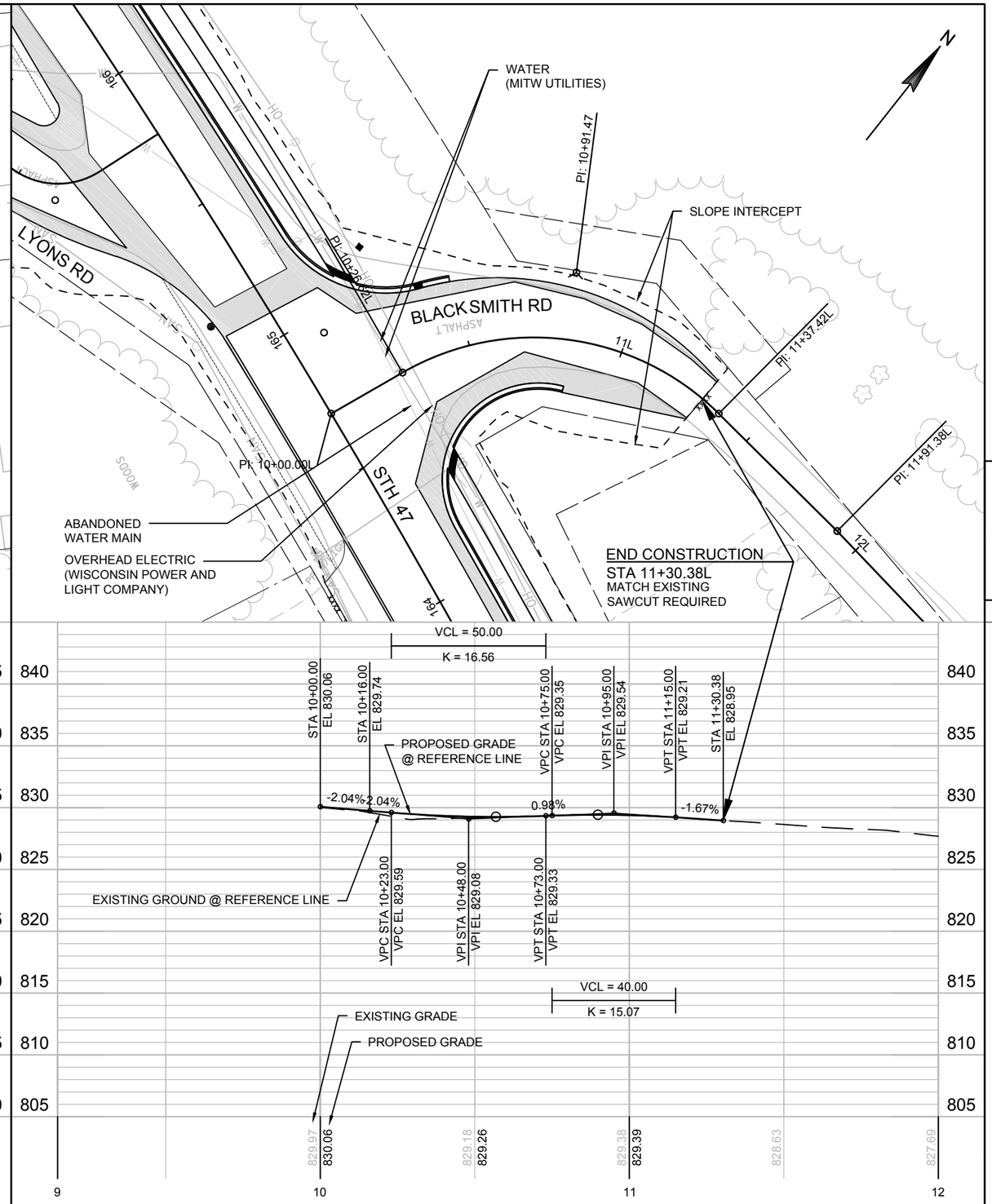

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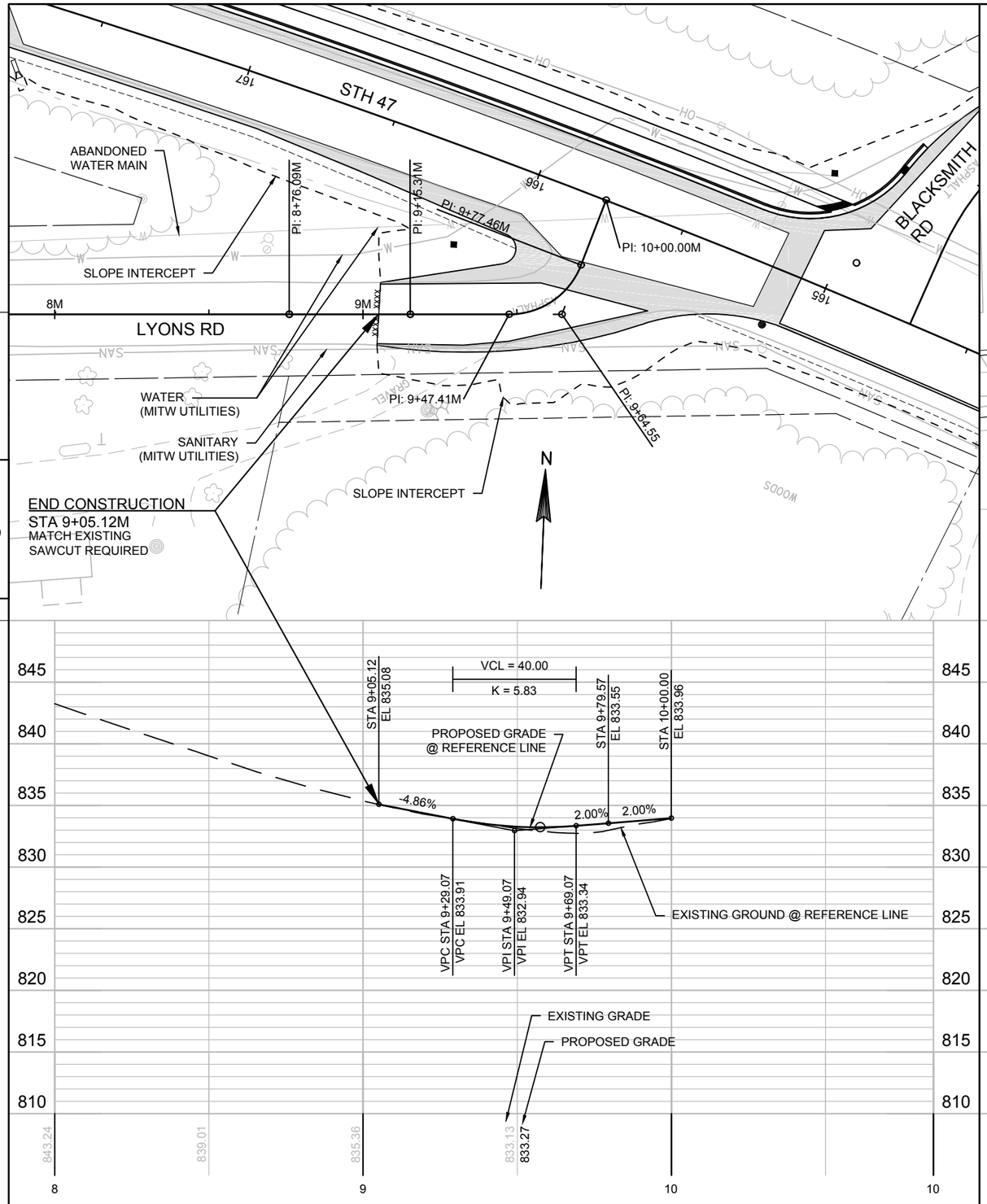
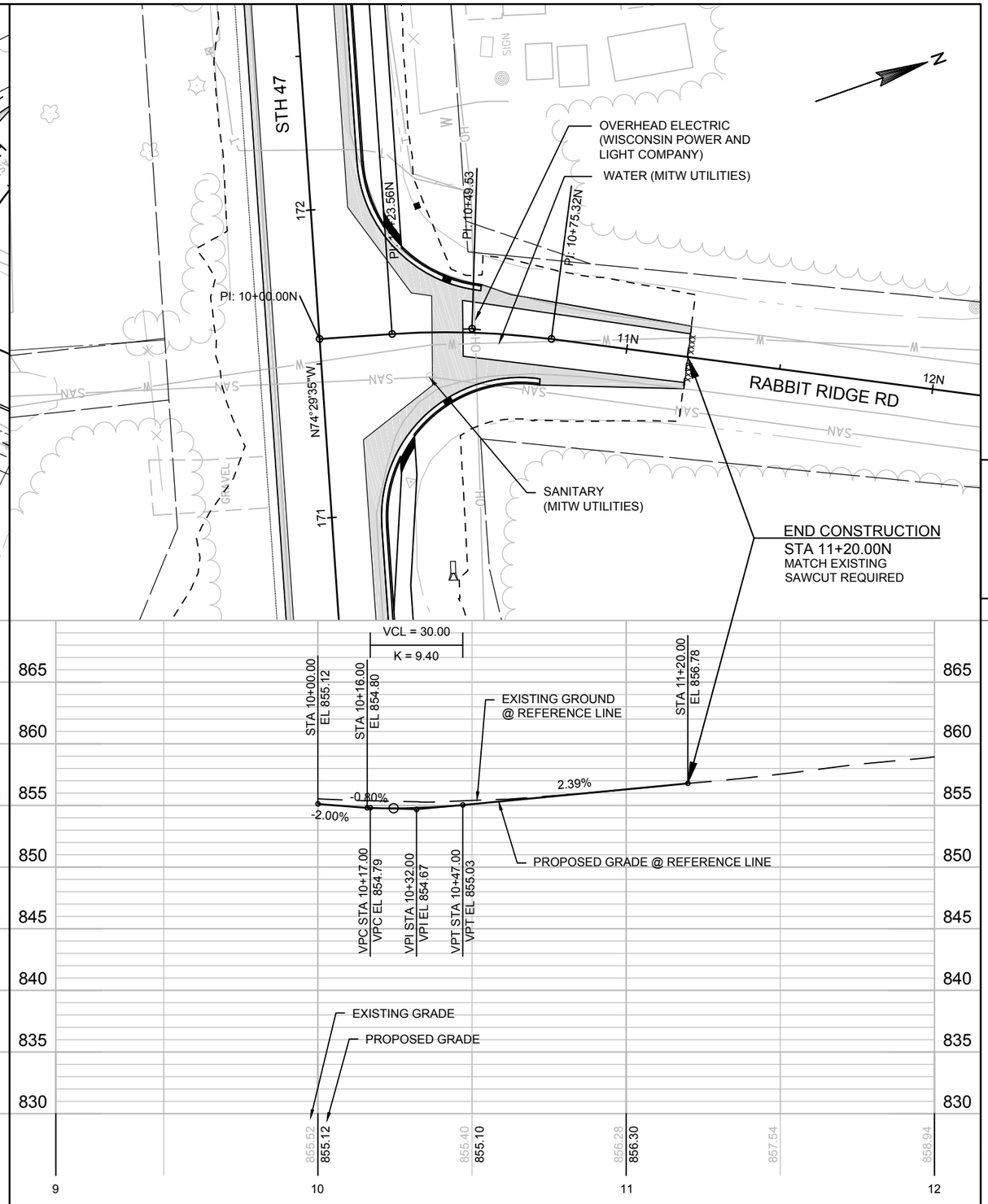
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E





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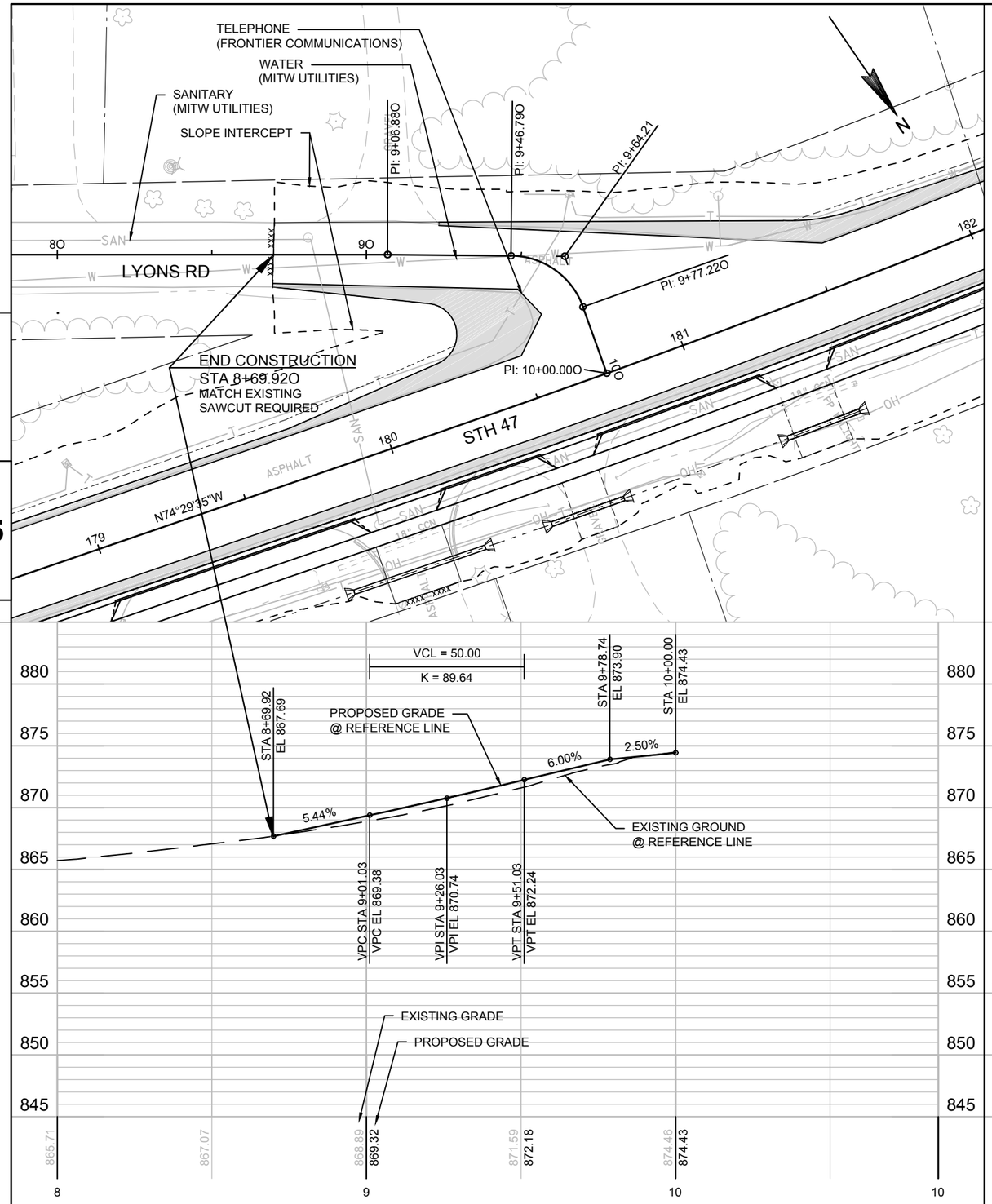
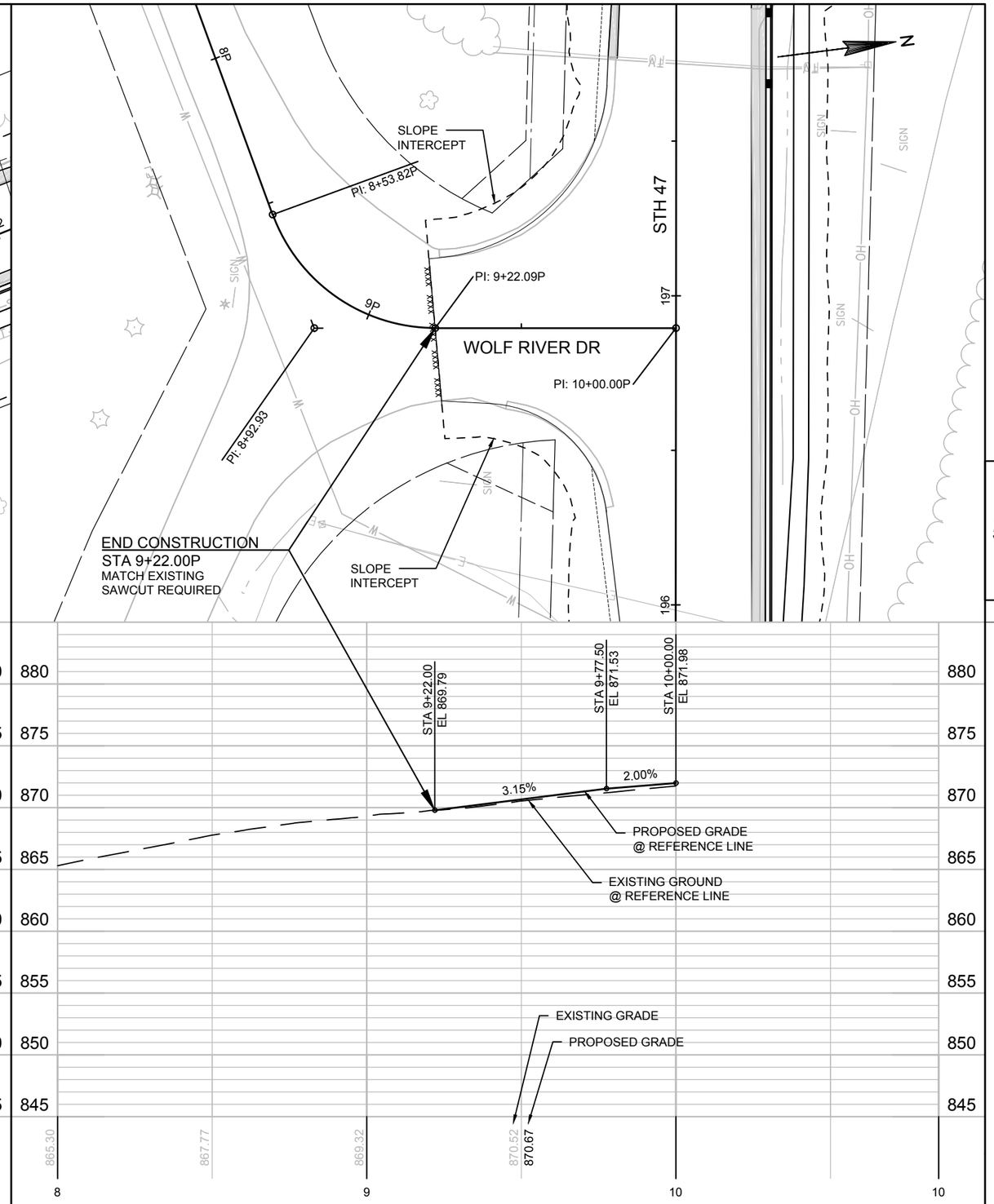
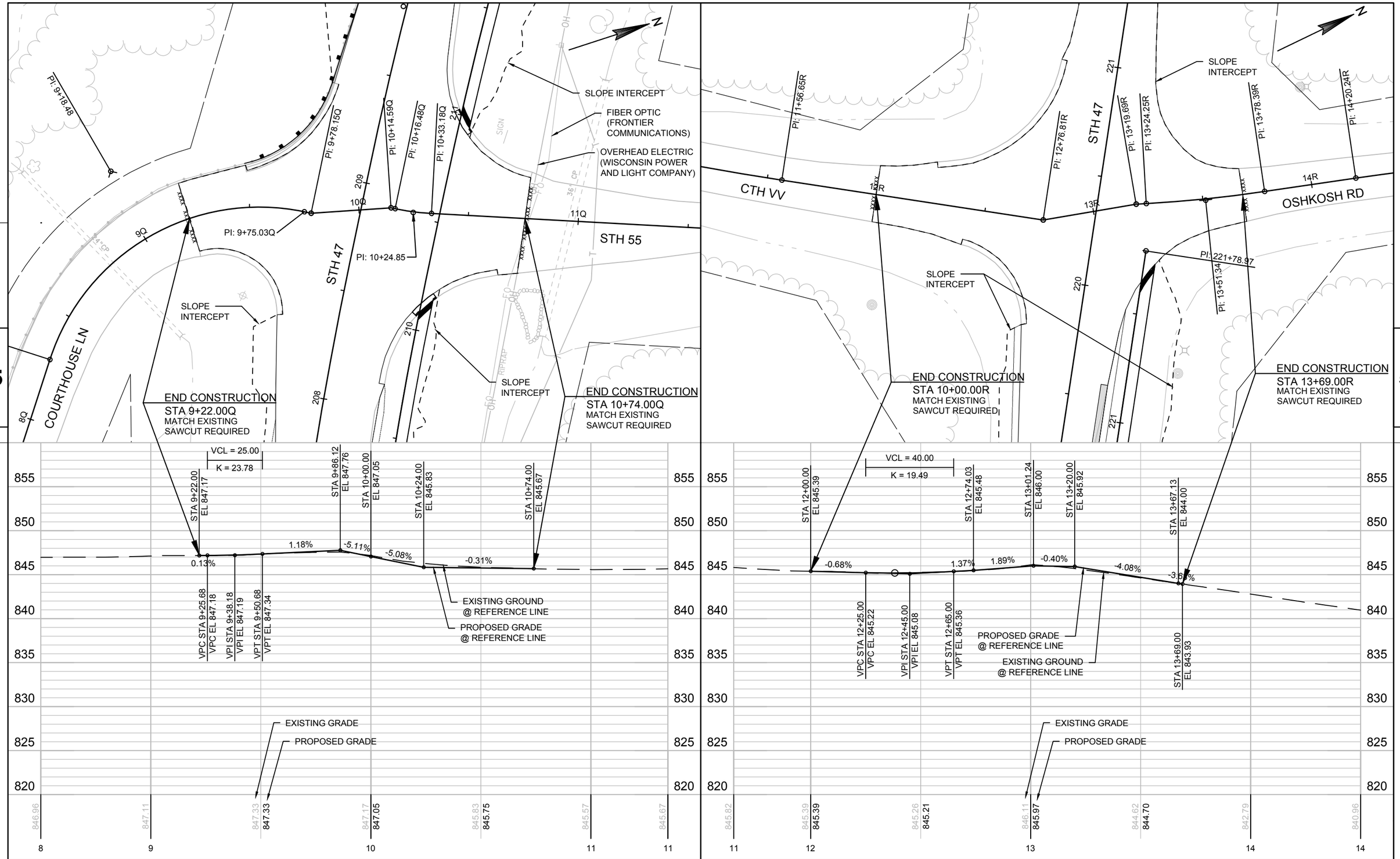
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E





PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E

WOLF RIVER DR

SLOPE INTERCEPT

TLE

HIGHWAY EASEMENT

PLE

ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

STH 47

ASPHALT

CONCRETE

TELEVISION
(CHARTER COMMUNICATIONS)

HIGHWAY EASEMENT

TLE

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

MATCHLINE STA. 204+75

STA 199+71.47
SIDEWALK

PI: 199+71.47

PI: 203+24.68

PI: 203+34.73

PI: 203+44.79

VCL = 100.00

K = 39.07

PROPOSED GRADE @ REFERENCE LINE

EXISTING GROUND @ REFERENCE LINE

EXISTING GRADE

PROPOSED GRADE

-5.00%

-2.44%

-2.40%

-3.08%

-2.81%

-2.43%

STA 199+71.47
EL 869.89

VPC STA 200+03.83
VPC EL 868.27

VPI STA 200+53.83
VPI EL 865.77

VPT STA 201+03.83
VPT EL 864.55

STA 202+00.00
EL 862.21

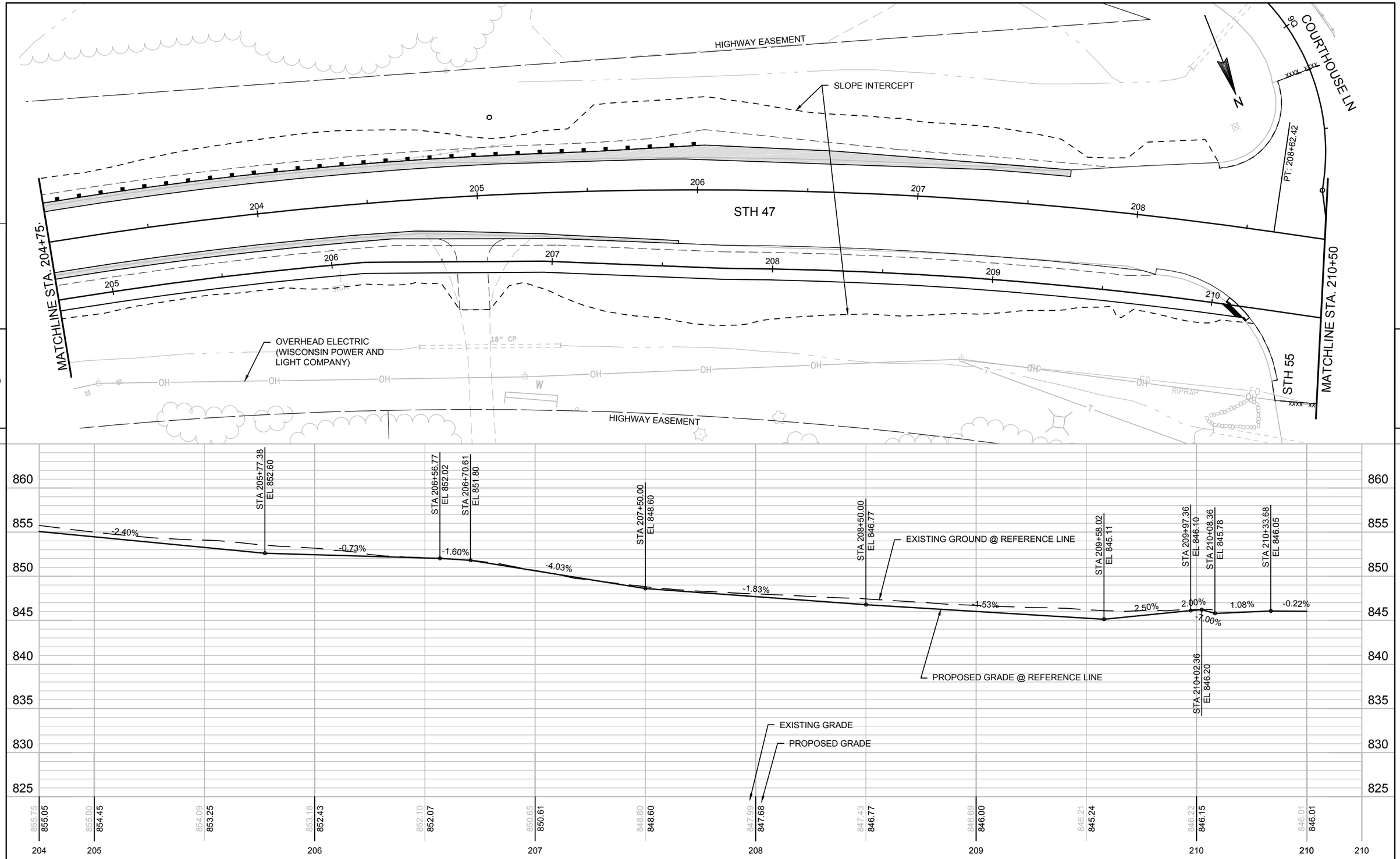
STA 203+00.00
EL 859.81

STA 203+50.00
EL 858.27

STA 204+00.00
EL 856.87

STA 204+50.00
EL 855.65

| | | |



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WISDOT/CADDS SHEET 40

HIGHWAY EASEMENT

COURTHOUSE LN

RIPRAP

STH 47

ASPHALT

MATCHLINE STA. 210+50

MATCHLINE STA. 216+50

PI: 210+63.64

STH 55

SIGN

RIPRAP

WOLF RIVER

WOLF

PI: 211+76.93

PI: 211+98.26

PI: 212+19.61

PI: 213+09.00

SLOPE INTERCEPT

OVERHEAD ELECTRIC
(WISCONSIN POWER AND
LIGHT COMPANY)

FIBER OPTIC
(FRONTIER
COMMUNICATIONS)

36" CP

N

5

5

STA 210+56.90
EL 846.00

STA 210+78.65
EL 845.80

STA 211+00.63
EL 845.04

STA 211+06.63
EL 845.46

STA 211+11.63
EL 845.36

STA 211+67.99
EL 843.95

STA 211+80.22
EL 843.89

STA 211+98.26
EL 843.61

STA 212+56.85
EL 844.40

STA 213+09.00
EL 844.28

STA 214+08.80
EL 843.73

PROPOSED GRADE @ REFERENCE LINE

EXISTING GROUND @ REFERENCE LINE

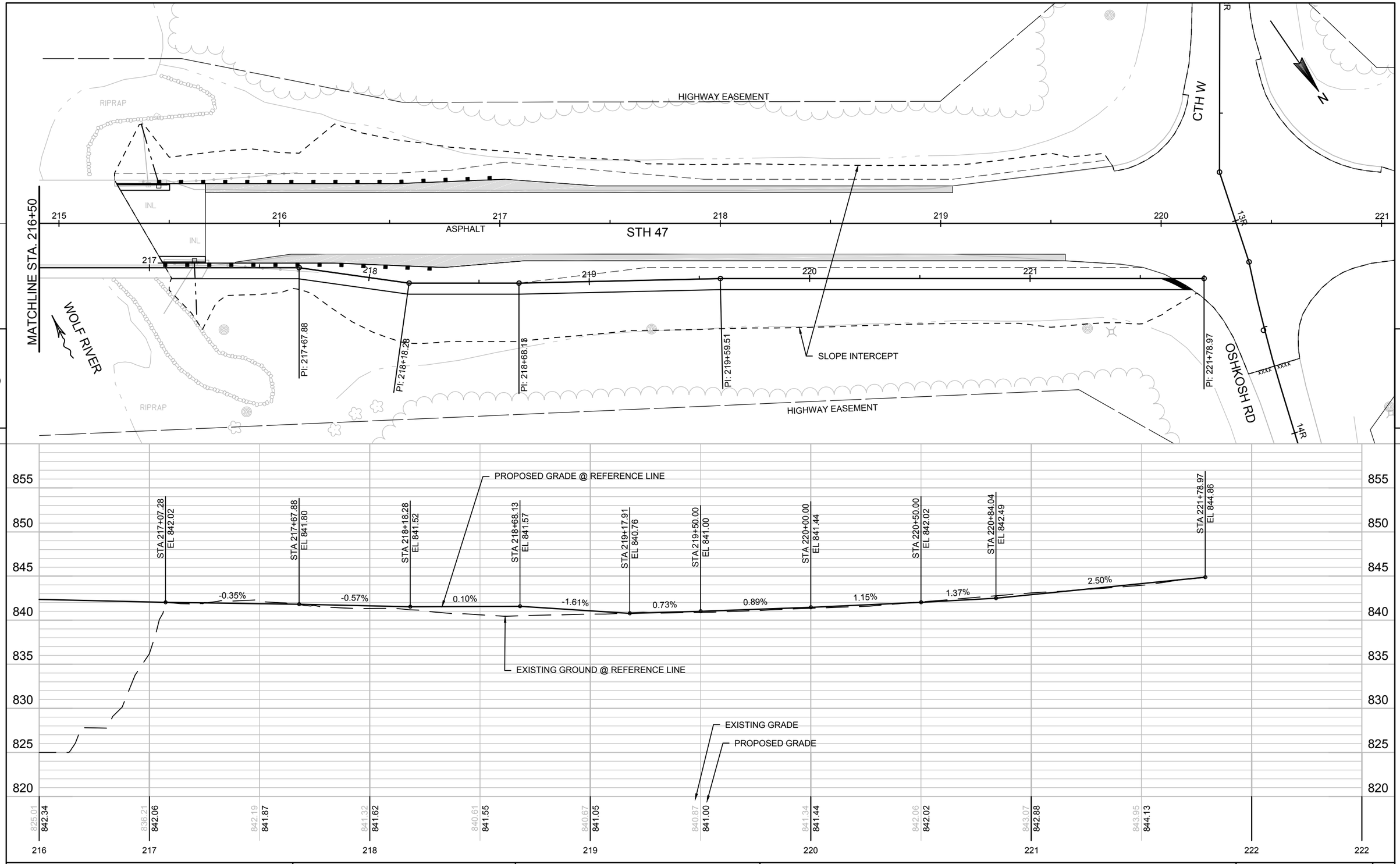
EXISTING GRADE

PROPOSED GRADE

-0.93%
-3.43%
-7.00%
-2.00%
-2.50%
-0.56%
-1.55%
1.35%
-0.22%
-0.55%
-0.58%

846.01	845.07	844.06	843.60	844.04	844.08	844.04	843.75	824.98	824.99	825.00	825.01
846.01	845.07	844.40	843.63	844.30	844.30	844.06	843.78	843.49	843.21	842.92	842.63	842.34
210	211		212		213		214		215		216	216

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	PLAN AND PROFILE	SHEET _____ E

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WISDOT/CADDS SHEET 40

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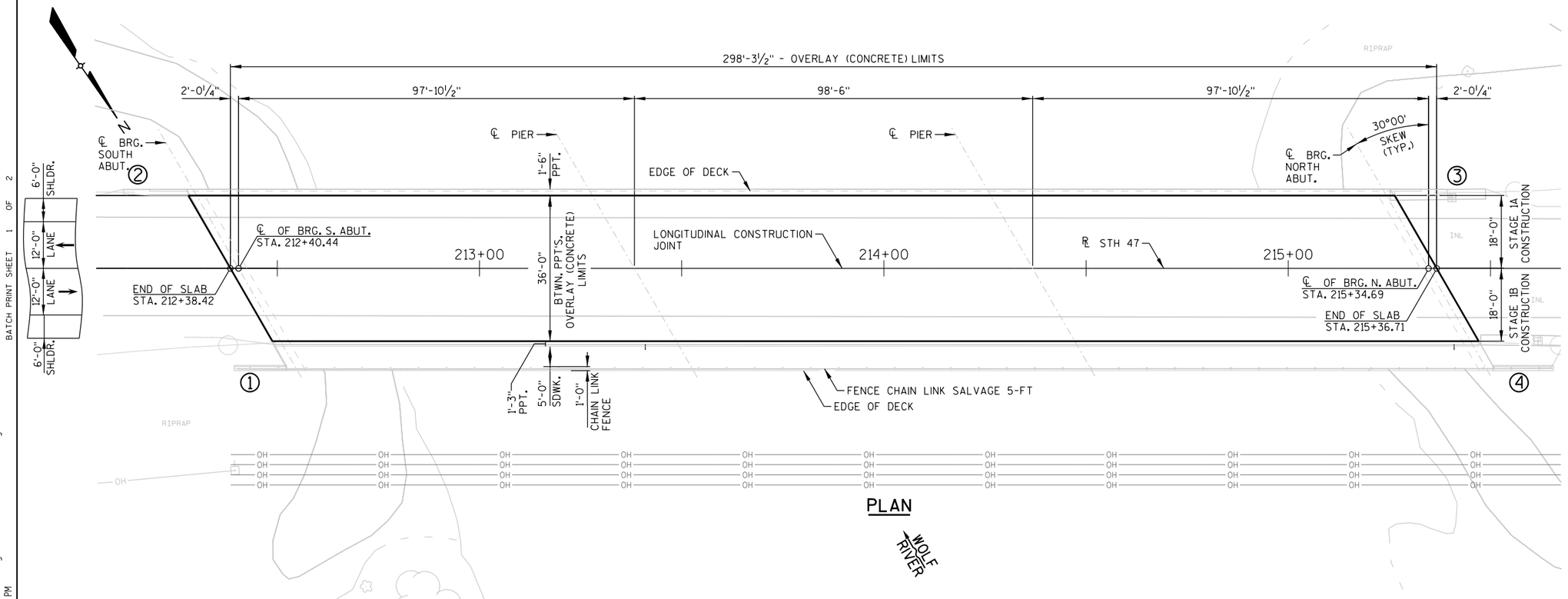
BATCH PRINT SHEET 1 OF 2

8

STATE PROJECT NUMBER

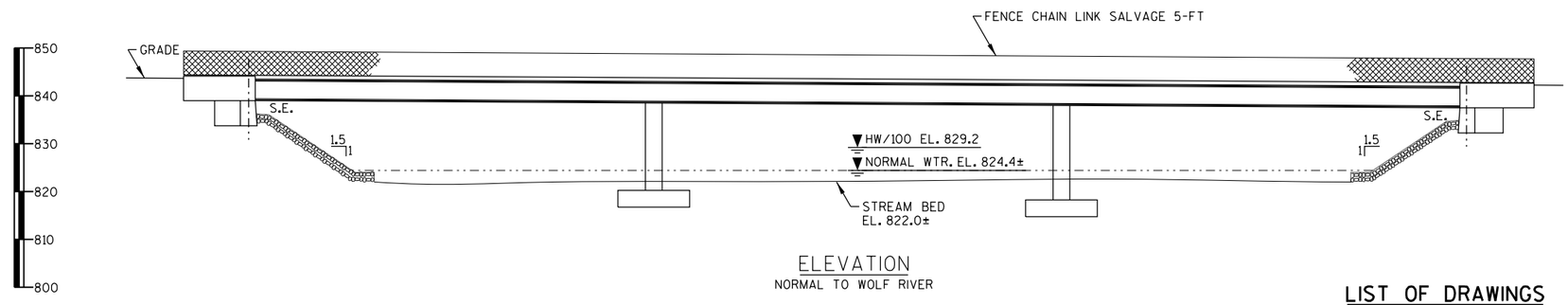
9650-17-70

X INDICATES WING NUMBER



PLAN

WOLF RIVER



ELEVATION
NORMAL TO WOLF RIVER

DESIGN DATA

LIVE LOAD:
INVENTORY RATING: HS XX
OPERATING RATING: HS XX

WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = X KIPS

MATERIAL PROPERTIES:
CONCRETE MASONRY
SUPERSTRUCTURE —— f'c = 4,000 PSI
ALL OTHER —— f'c = 3,500 PSI

TRAFFIC VOLUME

STH 47
A.D.T. (2019) = 3,400
A.D.T. (2039) = 3,700
DESIGN SPEED = 60 MPH

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
BILL DREHER (608) 266-8489

CONSULTANT:
BETH NEMEC (715) 342-3069

AECOM PROJECT No. 60285986

NO.	DATE	REVISION	BY

AECOM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-73-4

STH 47 OVER WOLF RIVER

COUNTY	TOWN ~~CITY/VILLAGE~~
MENOMINEE	MENOMINEE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
KB	EAN	KAM	EAN

GENERAL PLAN

SHEET 1 OF 2

8

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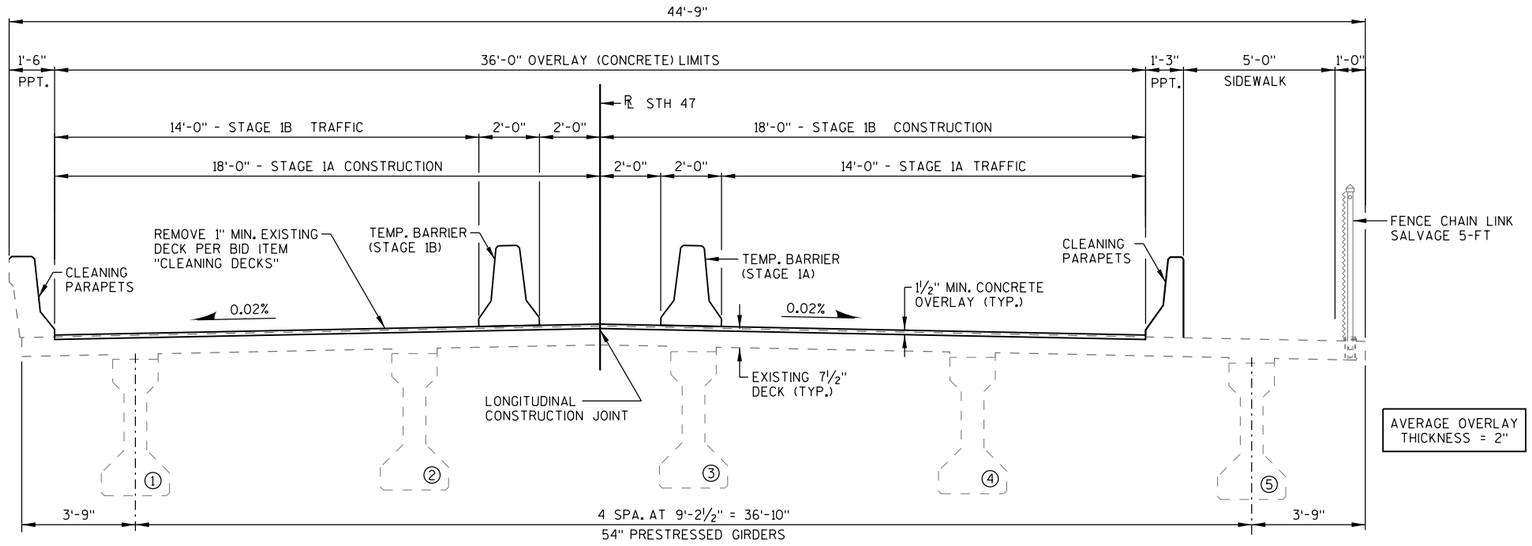
PLOT TIME: 2:26:35 PM
BATCH PRINT SHEET 2 OF 2



CROSS SECTION THRU ROADWAY

(LOOKING UPSTATION)

LEGEND

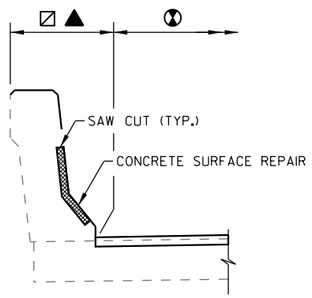
☆ CONCRETE SURFACE REPAIR REQUIRED AT BOTTOM OF DECK OVERHANG, SUBSTRUCTURE AND PARAPET. LOCATIONS TO BE VERIFIED IN THE FIELD BY THE ENGINEER.

◭ BID ITEM INCLUDES CONCRETE FOR PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, FULL-DEPTH DECK REPAIR. LOCATIONS TO BE VERIFIED IN THE FIELD BY THE ENGINEER.

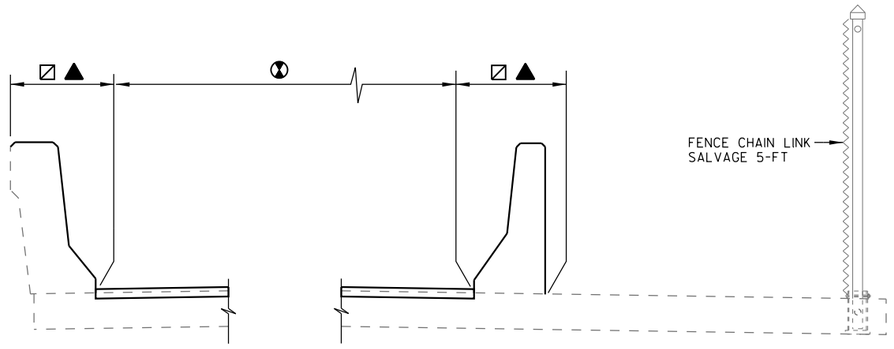
◪ "CLEANING PARAPETS" LIMITS

▲ "PIGMENTED SURFACE SEALER" LIMITS

⧓ "PROTECTIVE SURFACE TREATMENT" LIMITS



PARAPET REPAIR DETAIL



SURFACE PROTECTION DETAIL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

EXISTING DIMENSIONS SHOWN ARE BASED ON ORIGINAL STRUCTURE PLANS. ACTUAL DIMENSIONS MAY VARY. ORIGINAL DRAWINGS CAN BE FOUND ON WISDOT HSI WEBSITE.

"PROTECTIVE SURFACE TREATMENT" SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE NEW CONCRETE OVERLAY.

AFTER CLEANING PARAPETS, "PIGMENTED SURFACE SEALER" SHALL BE APPLIED TO THE INSIDE AND TOPS OF PARAPETS TO THE SATISFACTION OF THE ENGINEER.

SEAL OVERLAY CONSTRUCTION JOINTS ACCORDING TO SECTION 502.3.13.1 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. COST INCIDENTAL TO BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2 AND FULL DEPTH DECK REPAIR AREAS SHALL BE COMPLETED AS DETERMINED BY THE FIELD ENGINEER. DECK PREPARATION AND FULL DEPTH REPAIR AREAS SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS".

A MINIMUM OF 1" OF CONCRETE SHALL BE REMOVED FROM THE BRIDGE DECK BETWEEN PARAPETS (AS SHOWN) UNDER THE BID ITEM "CLEANING DECKS".

TRAFFIC TO BE MAINTAINED DURING CONSTRUCTION.

THE AVERAGE OVERLAY THICKNESS IS BASED ON THE MINIMUM OVERLAY THICKNESS PLUS ½-INCH TO ACCOUNT FOR VARIATIONS IN THE DECK SURFACE.

ALL CONCRETE REMOVAL NOT COVERED BY THE CONCRETE OVERLAY SHALL BE DEFINED BY A 1-INCH DEEP SAW CUT OR AS APPROVED BY ENGINEER.

ANY EXCAVATION REQUIRED TO COMPLETE THE OVERLAY AT THE ABUTMENTS IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON MINIMUM OVERLAY THICKNESS OF 1½" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. EXPECTED AVERAGE OVERLAY THICKNESS IS 2". IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½" CONTACT BUREAU OF STRUCTURES DESIGN SECTION FOR REVIEW.

TOTAL ESTIMATED QUANTITIES

	BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
	502.3200	PROTECTIVE SURFACE TREATMENT	SY	1,195
	502.3210	PIGMENTED SURFACE SEALER	SY	333
	509.0301	PREPARATION DECKS TYPE 1	SY	145
	509.0302	PREPARATION DECKS TYPE 2	SY	80
	509.0500	CLEANING DECKS	SY	1,200
☆	509.1500	CONCRETE SURFACE REPAIR	SF	350
◭	509.2000	FULL-DEPTH DECK REPAIR	SY	4
◭	509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	90
	509.9050.S	CLEANING PARAPETS	LF	630
	616.0405	FENCE CHAIN LINK SALVAGED 5-FT	LF	327
	SPV.0025	NON-SHRINK GROUT	CF	2

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-73-4

DRAWN BY KAM | PLANS CK'D. EAN

CROSS SECTION & QUANTITIES

SHEET 2 OF 2

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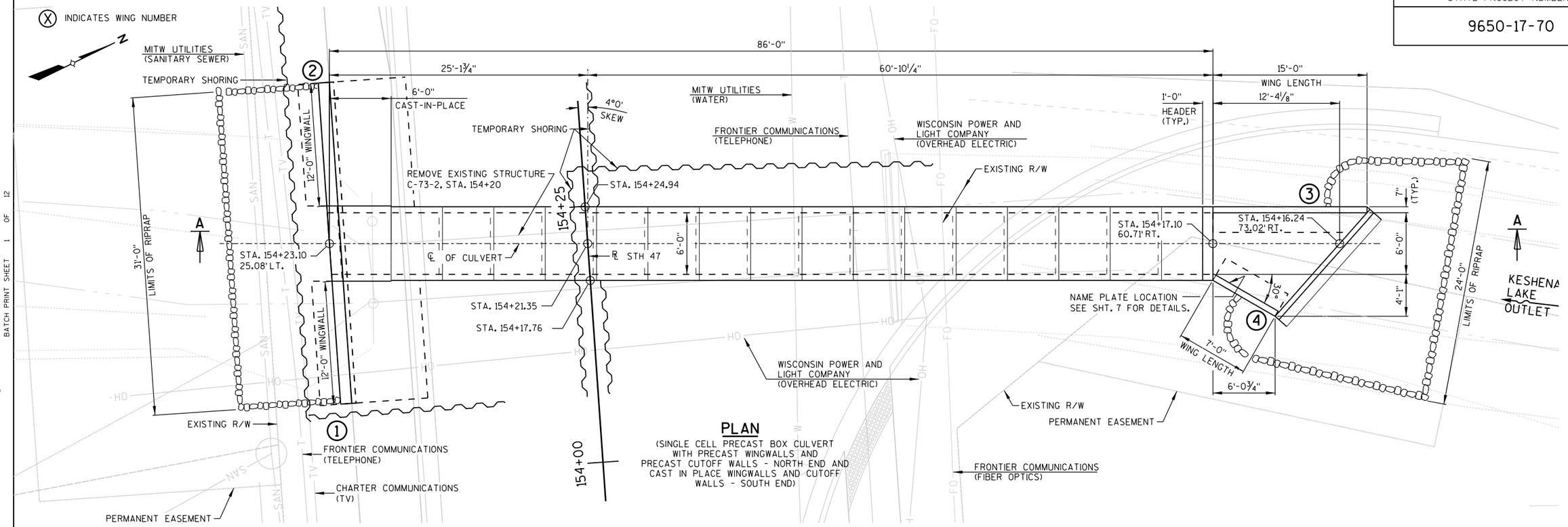
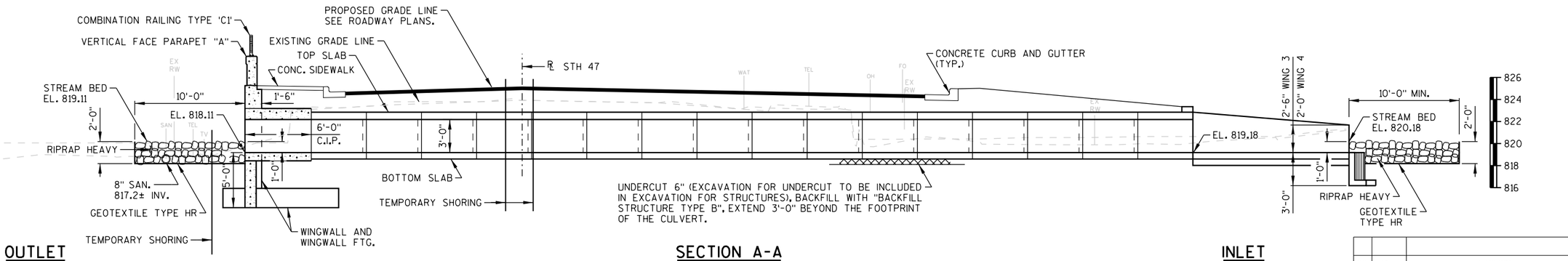
STATE PROJECT NUMBER
9650-17-70



PLAN

(SINGLE CELL PRECAST BOX CULVERT WITH PRECAST WINGWALLS AND PRECAST CUTOFF WALLS - NORTH END AND CAST IN PLACE WINGWALLS AND CUTOFF WALLS - SOUTH END)



OUTLET

SECTION A-A

INLET

DESIGN DATA

LIVELOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR = 1.05
OPERATING RATING FACTOR = 1.35
MAXIMUM STANDARD PERMIT VEHICLE (WIS.-SPV): 255 KIPS

EARTHLOAD:

DESIGNED FOR FILL HEIGHT RANGE OF 1.0 TO 3.5 FEET.

MATERIAL PROPERTIES:

PRECAST CONCRETE	f'c = 5.0 K.S.I.
CONCRETE MASONRY	f'c = 3.5 K.S.I.
BAR STEEL REINFORCEMENT	fy = 60.0 K.S.I.
WIRE FABRIC	fy = 65.0 K.S.I.

TRAFFIC VOLUME

STH 47

A.D.T. (2019) = 6,660
A.D.T. (2039) = 7,860
DESIGN SPEED = 35 MPH

HYDRAULIC DATA

100 YEAR FREQUENCY

Q100	40 CFS
VELOCITY	6.0 FPS
HIGH WATER ELEVATION Q100	822.09
DRAINAGE AREA	3.2 SQ. MI.
ROAD OVERTOPPING	N/A

2 YEAR FREQUENCY

Q2	15 CFS
HIGH WATER ELEVATION Q2	821.42

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4. TEMPORARY STREAM DIVERSION PIPES-1
5. TEMPORARY STREAM DIVERSION PIPES-2
6. PRECAST CONCRETE BOX CULVERT BARREL DETAILS
7. INLET DETAILS
8. OUTLET WINGWALLS
9. CAST-IN-PLACE OUTLET DETAILS
10. VERTICAL FACE PARAPET 'A'
11. COMBINATION RAIL TYPE 'C1'
12. COMBINATION RAIL TYPE 'C1' DETAILS

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
BILL DREHER (608) 266-8489

CONSULTANT:
CAROLYN BRUGMAN (715) 342-3075

AECOM PROJECT No. 60285986

NO.	DATE	REVISION	BY

AECOM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-73-4

STH 47 OVER KESHENA LAKE OUTLET

COUNTY	TOWN ~~CITY/VILLAGE~~
MENOMINEE	KESHENA

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
CAB	MSK	KAM	CAB

GENERAL PLAN & ELEVATION

SHEET 1 OF 12

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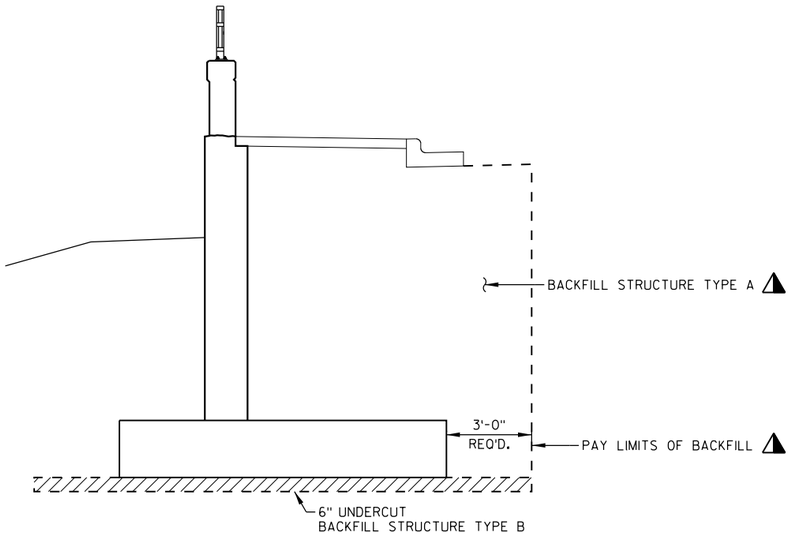


TYPICAL SECTION THRU RETAINING WALL

GENERAL NOTES

STRUCTURE SHALL BE A PREFABRICATED REINFORCED CONCRETE BOX CULVERT, WITH INSIDE OF CELL MEASURING 6' WIDE x 3' HIGH x 101' LONG. BARREL IS INTENDED TO NATURALLY SILT-UP AND BE BURIED APPROXIMATELY 12" BELOW THE NATURAL CHANNEL.

DRAWINGS SHALL NOT BE SCALED.

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

STRUCTURE BACKFILL IS REQUIRED BEHIND ALL WINGWALLS.

WITHIN THE LENGTH OF THE BOX, ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE ELEVATION AND SECTION EXISTING PRIOR TO EXCAVATION WITHIN THE LENGTH OF THE CULVERT.

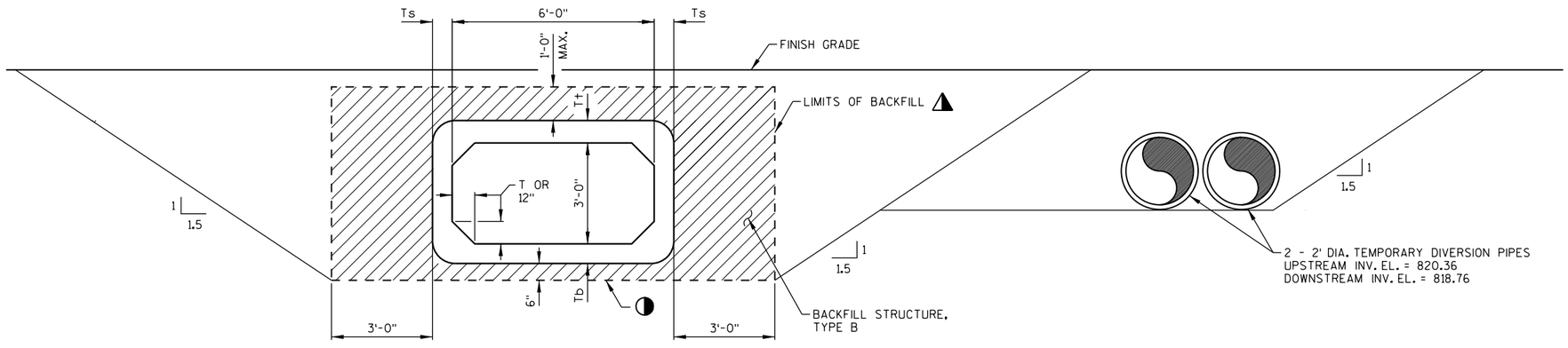
LEGEND

◑ UNDERCUT 6", PLACE GEOTEXTILE TYPE C, AND BACKFILL WITH STRUCTURE BACKFILL. EXTEND 3'-0" BEYOND THE FOOTPRINT OF THE CULVERT.

⚠ BACKFILL PAY LIMITS. BACKFILL BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM	UNIT	TOTALS
203.0600.S	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS STATION 154+20	LS	1
206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-73-4	LS	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	
210.2500	BACKFILL STRUCTURE TYPE B	TON	
502.3210	PIGMENTED SURFACE SEALER	SY	
504.0100	CONCRETE MASONRY CULVERTS	CY	
504.1000.S	PRECAST CONCRETE WINGWALLS C-73-4	LS	
504.2000.S	PRECAST CONCRETE BOX CULVERT, 6 FT X 3 FT	LF	
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	
511.1200	TEMPORARY SHORING C-73-4	SF	
513.7006	RAILING STEEL TYPE C1 C-73-4	LF	
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	
516.0610.S	SHEET MEMBRANE WATERPROOFING FOR TOP SLAB C-73-4	SY	
606.0300	RIPRAP HEAVY	CY	
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	
645.0120	GEOTEXTILE TYPE HR	SY	
SPV.0105	TEMPORARY STREAM DIVERSION PIPES, KESHENA LAKE OUTLET	LS	1
	NON-BID ITEMS		
	FILLER	SIZE	1/2" & 3/4"



CROSS SECTION THRU CULVERT

(LOOKING UPSTREAM)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-73-4

DRAWN BY KAM | PLANS CK'D. CAB

CROSS SECTION & QUANTITIES

SHEET 2 OF 12

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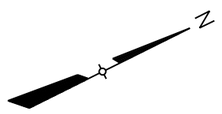
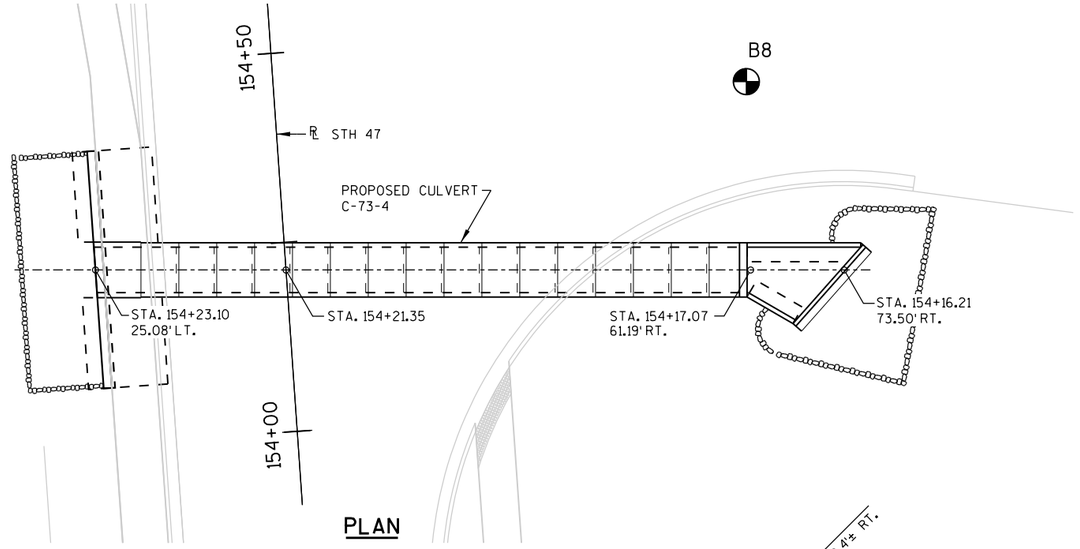
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
B8	6/20/2013	60963.70±	289786.20±

BORINGS COMPLETED BY: NUMMELIN TESTING SERVICES, INC.

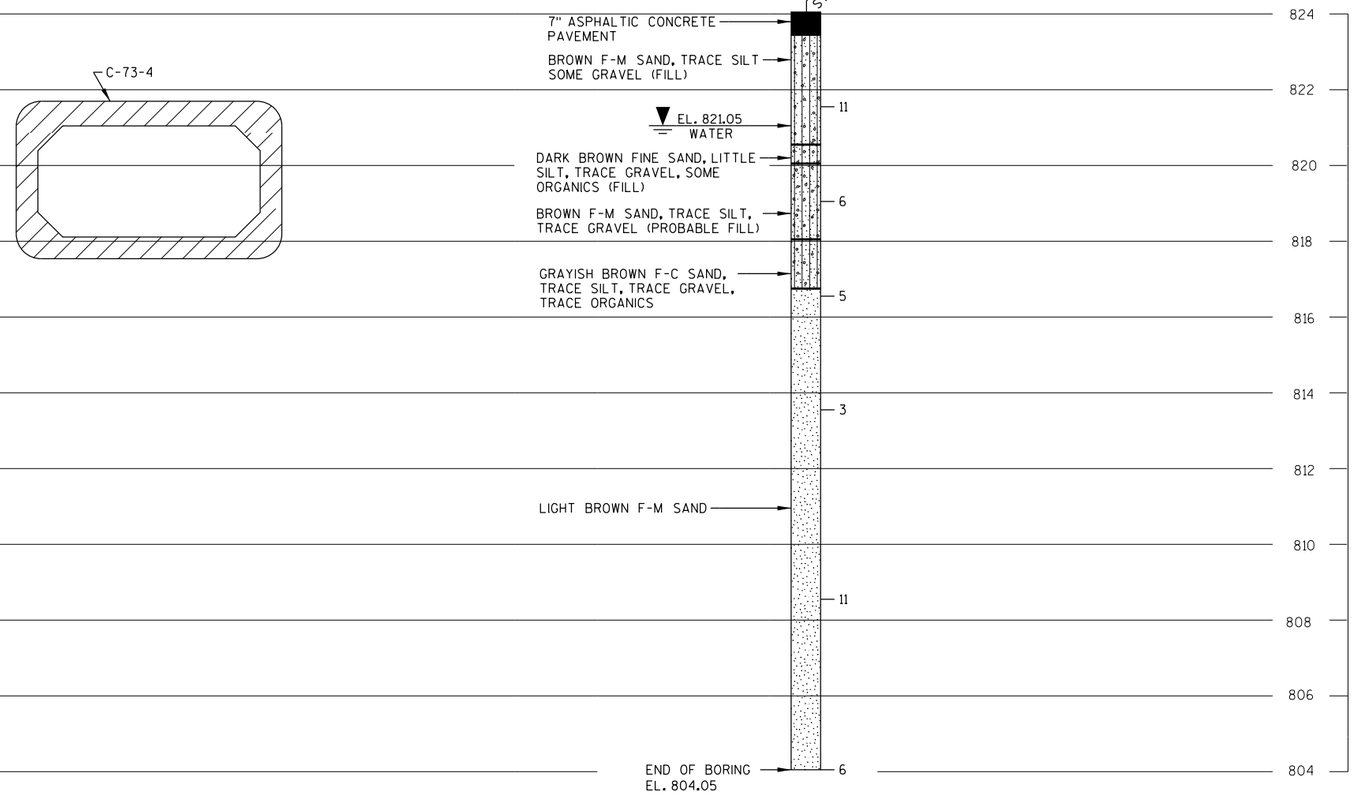
REPORT COMPLETED BY: NUMMELIN TESTING SERVICES, INC.

ALL COORDINATES REFERENCED TO WCCS NAD 83(91) MENOMINEE COUNTY





PLAN



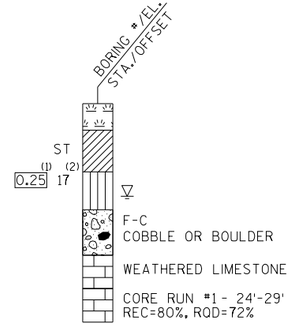
STATE PROJECT NUMBER

9650-17-70

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-73-4

DRAWN BY	KAM	PLANS CK'D.	CAB

SUBSURFACE EXPLORATION

SHEET 3 OF 12

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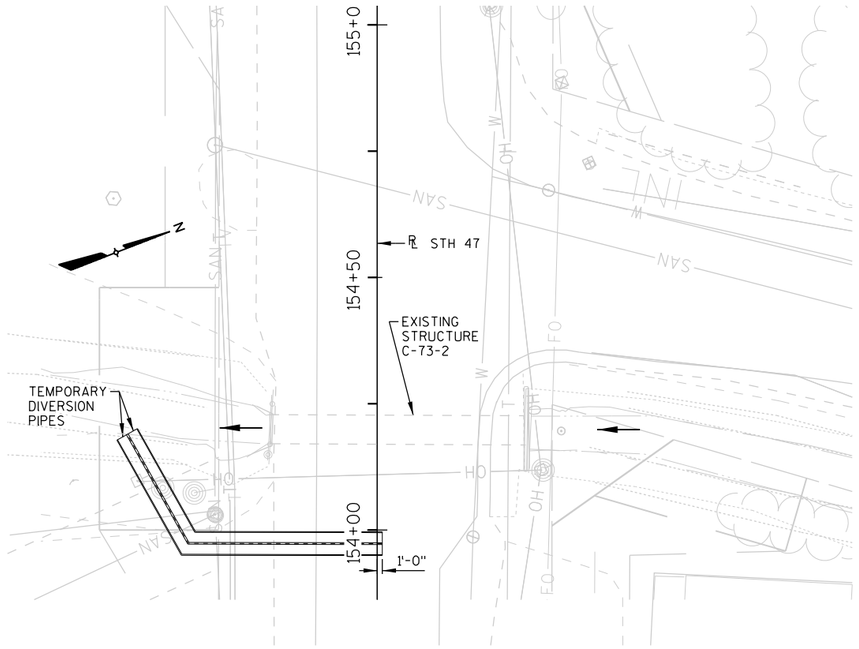
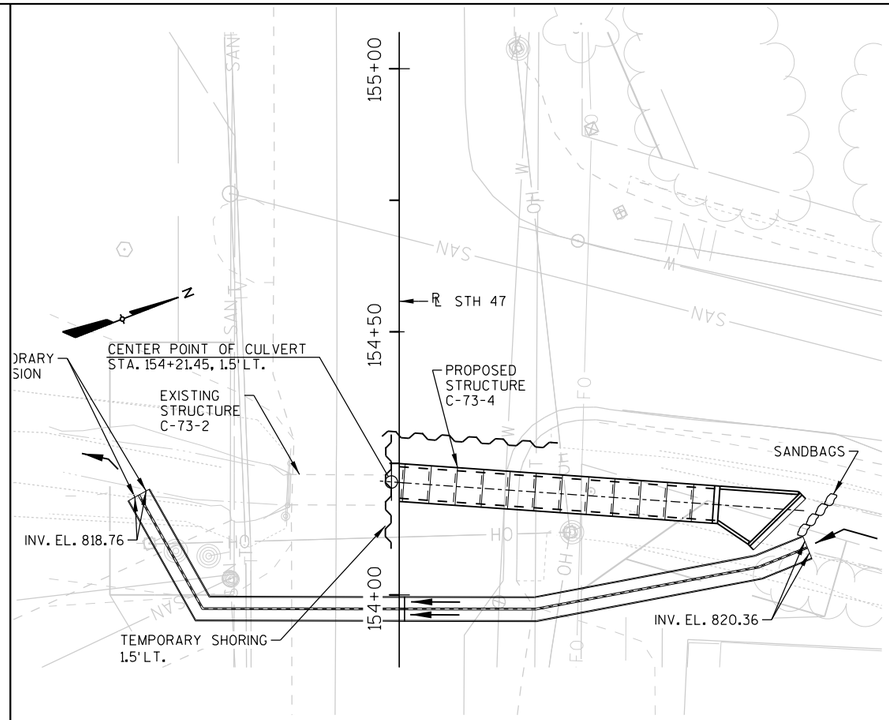
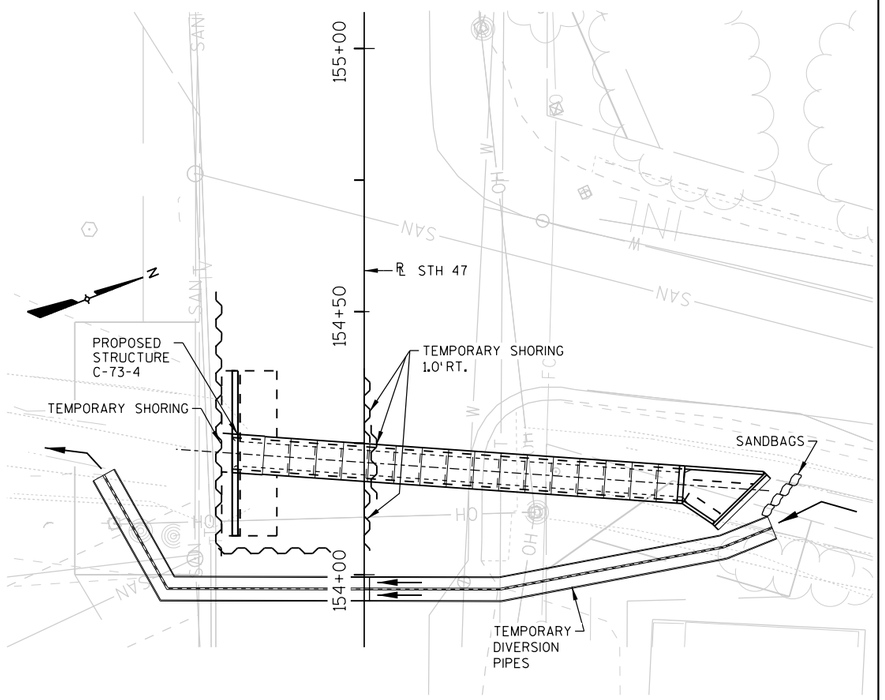


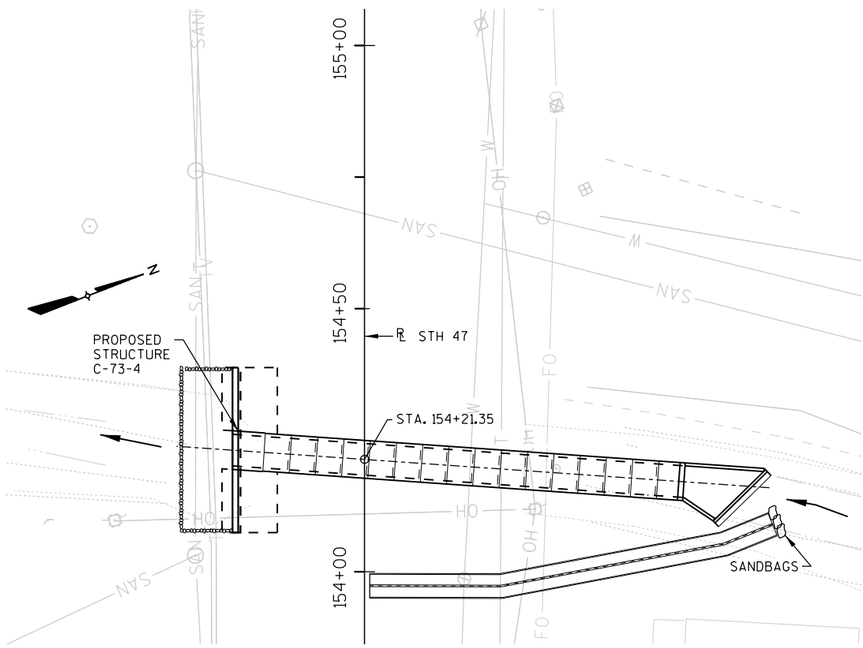
PLAN VIEW - STAGE 1A



PLAN VIEW - STAGE 1B



PLAN VIEW - STAGE 1C



PLAN VIEW - STAGE 1C

STATE PROJECT NUMBER

9650-17-70

CULVERT REPLACEMENT STAGING

STAGE 1A

1. INSTALL THE SOUTH HALF OF TEMPORARY DIVERSION PIPES (UNDER THE SOUTHBOUND LANE) TO THE EAST OF THE EXISTING CULVERT. DIVERT ALL TRAFFIC TO THE NORTHBOUND LANE.
2. PLACE TEMPORARY BASE COURSE AND PAVE SOUTHBOUND LANE WITH TEMPORARY ASPHALT TO MATCH EXISTING PAVEMENT.

STAGE 1B

1. SHIFT TRAFFIC TO SOUTHBOUND LANE.
2. INSTALL THE NORTH HALF OF THE TEMPORARY DIVERSION PIPES (UNDER THE NORTHBOUND LANE).
3. DIVERT THE CHANNEL TO THE TEMPORARY DIVERSION PIPES.
4. INSTALL TEMPORARY SHORING AND EXCAVATE.
5. REMOVE THE NORTH HALF OF THE EXISTING CULVERT.
6. INSTALL THE NORTH HALF OF THE 6'W. x 3'H. PRECAST BOX CULVERT AND APRON.
7. PLACE TEMPORARY BASE COURSE AND PAVE NORTHBOUND LANE WITH TEMPORARY PAVEMENT.

STAGE 1C

1. SHIFT TRAFFIC TO NORTHBOUND LANE.
2. INSTALL TEMPORARY SHORING AND EXCAVATE.
3. REMOVE THE SOUTH HALF OF THE EXISTING CULVERT.
4. INSTALL THE SOUTH HALF OF THE 6'W. x 3'H. PRECAST BOX CULVERT, CAST-IN-PLACE WINGWALLS AND CULVERT END.
5. DIVERT CHANNEL TO COMPLETED 6'W. x 3'H. PRECAST BOX CULVERT.
6. REMOVE THE SOUTH HALF OF THE TEMPORARY DIVERSION PIPES.
7. CONSTRUCT SOUTHBOUND LANE TO FINAL GRADE, INSTALL NEW CURB/GUTTER AND STORM SEWER.

LEGEND

← WATER FLOW DIRECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-73-4

DRAWN BY KAM | PLANS CK'D. CAB

TEMPORARY STREAM DIVERSION PIPES-1

SHEET 4 OF 12

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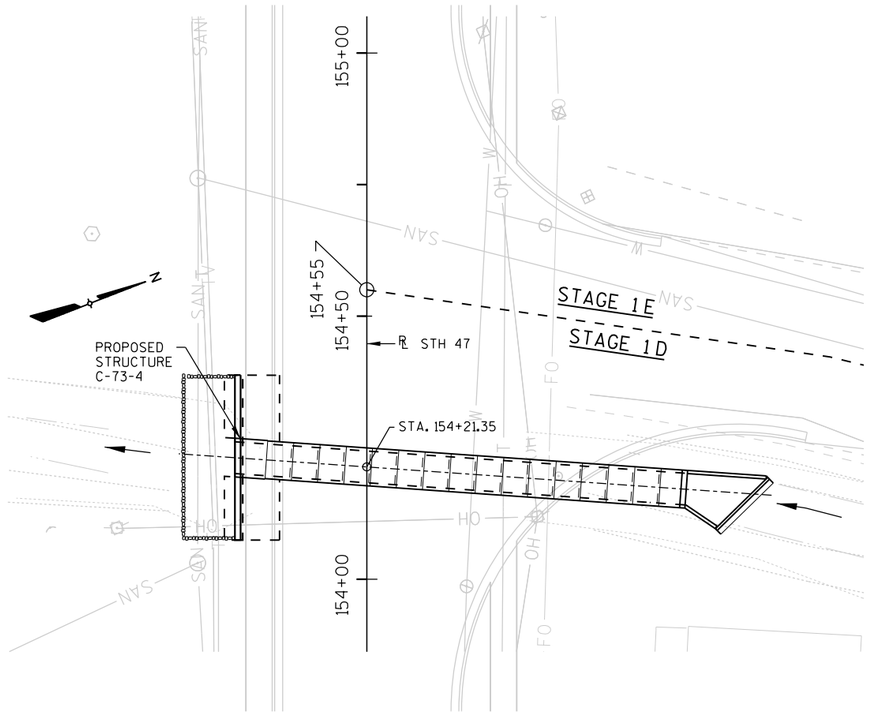

PLAN VIEW - STAGE 1D AND 1E

CULVERT REPLACEMENT STAGING

STAGE 1D

1. SHIFT TRAFFIC TO SOUTHBOUND LANE.
2. REMOVE THE NORTH HALF OF THE TEMPORARY DIVERSION PIPES.
3. CONSTRUCT NORTHBOUND LANE TO FINAL GRADE, INSTALL NEW CURB/GUTTER AND STORM SEWER CASTINGS FOR NORTHBOUND LANE TO STA. 154+50 AND EASTBOUND LANE OF CTH VV INTERSECTION.

STAGE 1E

1. CONSTRUCT THE NORTHBOUND LANE FROM STA. 154+50 TO LIMIT AND WESTBOUND LANE OF CTH VV INTERSECTION. INSTALL CURB/GUTTER AND STORM SEWER.

LEGEND

← WATER FLOW DIRECTION

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-73-4

DRAWN BY KAM | PLANS CK'D. CAB

TEMPORARY STREAM DIVERSION PIPES-2

SHEET 5 OF 12

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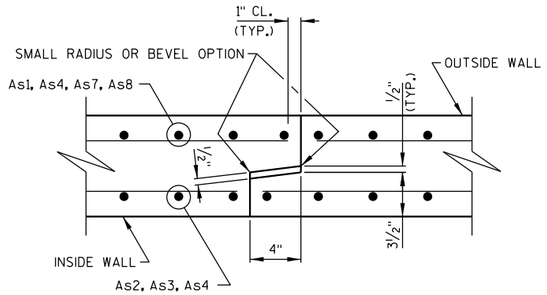
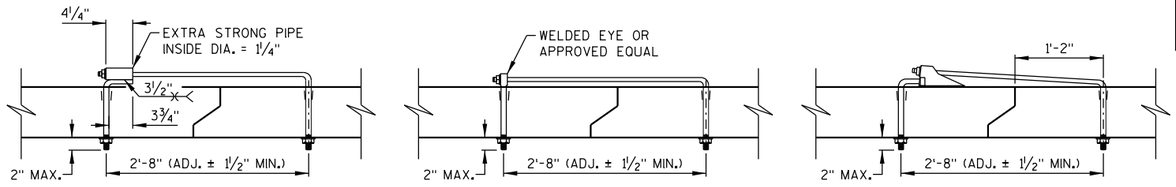
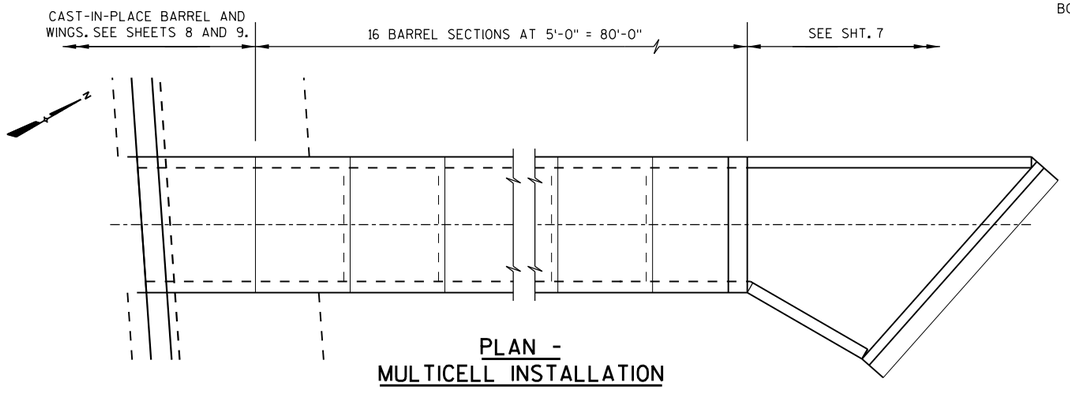


JOINT DETAIL

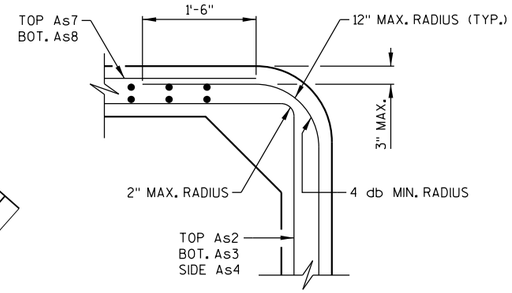


JOINT TIES

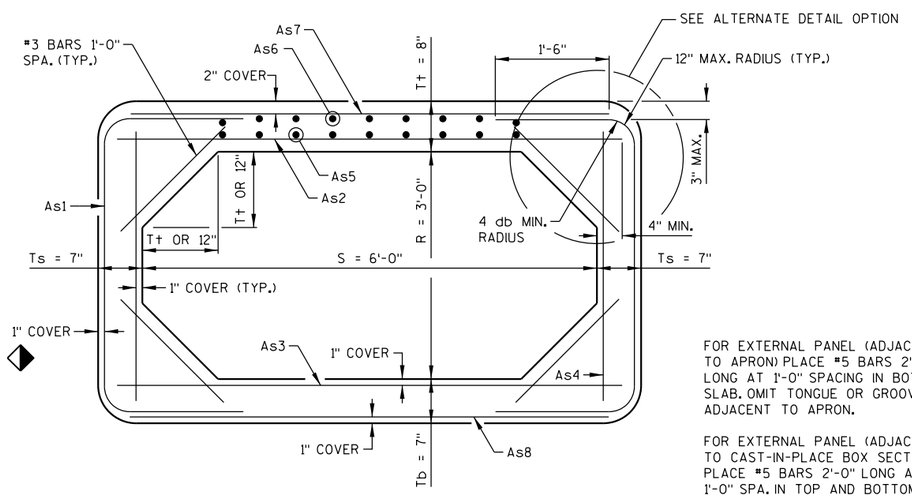
NOTES:
EITHER EYE BOLT TIES, WELDED PIPE TIES OR CANOPY TIES MAY BE USED. THREADS MAY BE CUT OR ROLLED. TIE NUTS SHALL BE TIGHTENED AS DIRECTED BY THE ENGINEER. (2 TIES REQUIRED PER JOINT.) (TIES TO BE GALVANIZED.)



PLAN - MULTICELL INSTALLATION



ALTERNATE DETAIL OPTION

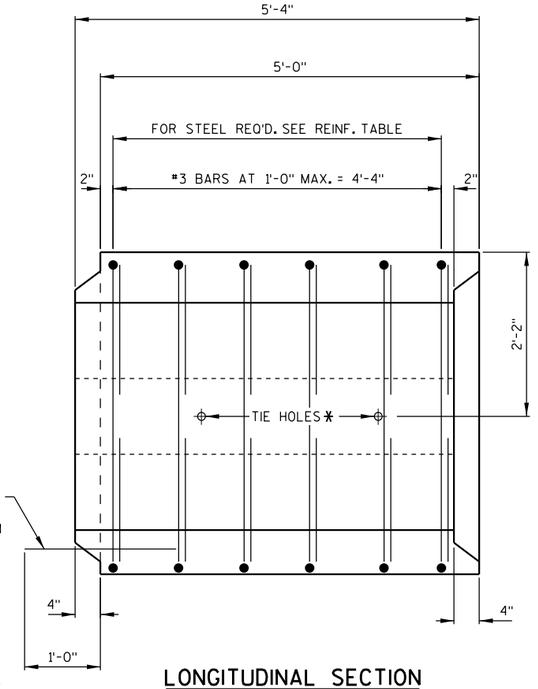


SECTION THRU BARREL

◆ 1" OR 3 x WIRE DIAMETER, WHICHEVER IS GREATER.

FOR EXTERNAL PANEL (ADJACENT TO APRON) PLACE #5 BARS 2'-0" LONG AT 1'-0" SPACING IN BOTTOM SLAB. OMIT TONGUE OR GROOVE ADJACENT TO APRON.

FOR EXTERNAL PANEL (ADJACENT TO CAST-IN-PLACE BOX SECTION) PLACE #5 BARS 2'-0" LONG AT 1'-0" SPA. IN TOP AND BOTTOM SLAB, AS WELL AS IN SIDEWALLS. OMIT TONGUE OR GROOVE ADJACENT TO CAST-IN-PLACE BOX SECTION.



LONGITUDINAL SECTION

* CULVERT TIES ARE TO BE 1" DIA. RODS.

NOTES

DETAILS FOR MATERIALS, FABRICATION, CONSTRUCTION AND DESIGN OF PRECAST BOX CULVERTS NOT SHOWN OR STATED ON THIS DRAWING SHALL BE IN ACCORDANCE WITH THE CURRENT ASTM SPECIFICATION, C1577; AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS; WISCONSIN DOT BRIDGE MANUAL; WISCONSIN DOT STANDARD SPECIFICATIONS & APPLICABLE SPECIAL PROVISIONS. EXCEPT THAT THE CONCRETE MIXTURE SHALL CONTAIN NOT LESS THAN 565 LBS. OF CEMENTITOUS MATERIALS PER CUBIC YARD.

THE DESIGN OF PRECAST BOX CULVERTS WITH ALL FILL HEIGHTS SHALL BE AS STATED IN ASTM C1577.

ALL PRECAST BOX SECTIONS SHALL BE PLACED ON A BEDDING OF "STRUCTURAL BACKFILL" OF 6" MINIMUM DEPTH.

THE COVER OF CONCRETE OVER THE REINFORCEMENT SHALL BE 1 INCH OR 2 INCHES AS SHOWN WITH AN ALLOWABLE VARIATION OF -3/8" TO +1/2" INCH.

THE SPACING CTR. TO CTR. OF THE CIRCUMFERENTIAL WIRES SHALL BE NOT LESS THAN 2 INCHES NOR MORE THAN 4 INCHES. THE SPACING CTR. TO CTR. OF THE LONGIT. WIRES SHALL NOT BE MORE THAN 8 INCHES.

NOT MORE THAN FOUR (4) HOLES MAY BE CAST, DRILLED OR OTHERWISE NEATLY MADE IN THE SHELL OF EACH PIECE OF BOX SECTION FOR HANDLING. THE HOLES SHALL BE TAPERED, UNLESS DRILLED. THE HOLES SHALL BE FILLED WITH PORTLAND CEMENT MORTAR EXCEPT TAPERED HOLES MAY BE FILLED WITH CONCRETE PLUGS SECURED WITH PORTLAND CEMENT MORTAR OR OTHER APPROVED ADHESIVE.

THE JOINT ON THE BOTTOM OF THE CULVERT & THE SIDES OF THE CULVERT FROM THE BOTTOM TO A POINT 1'-0" FROM THE CEILING SHALL BE SEALED WITH A PREFORMED MASTIC. PREFORMED MASTIC MUST CONFORM TO AASHTO MATERIALS SPEC. M198, TYPE B. A 2'-0" STRIP OF GEOTEXTILE TYPE DF SCHEDULE A SHALL BE PLACED OVER THE JOINTS ON THE TOP AND ON THE SIDES OF THE CULVERT. THE GEOTEXTILE SHALL CONFORM TO SECTION 645.2.2.4 OF THE STANDARD SPECIFICATION.

BOX CULVERT DATA

DIMENSIONS			EARTH COVER (FT.)		
S (6 FT.)	R (3 FT.)	T OR Ts 7", Tb = 7", T† = 8"			
REINFORCEMENT			AREA	LENGTH	M
As1			0.20		-
As2			0.31		-
As3			0.22		-
As4			0.17		-
As5			0.19		-
As6			0.11		-
As7			0.19		-
As8			0.17		-
TOTAL BARREL OR PANEL LENGTH			SEE PLAN		

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STRUCTURE C-73-4

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PRECAST CONCRETE BOX CULVERT BARREL DETAILS

SHEET 6 OF 12

8

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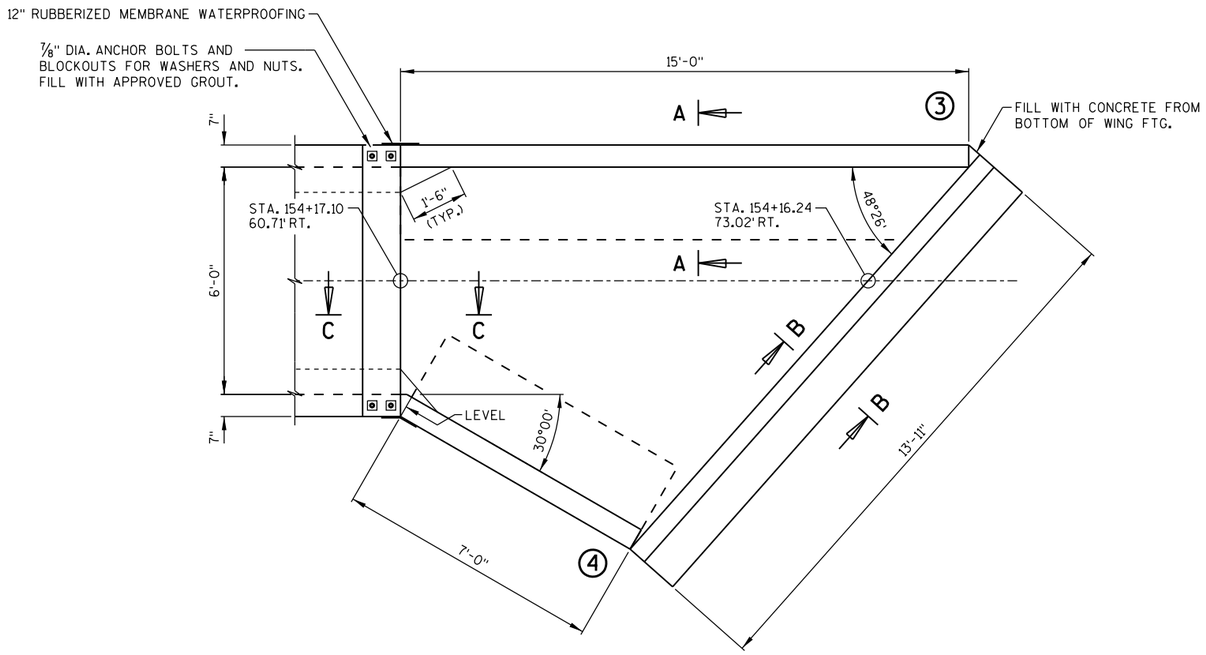
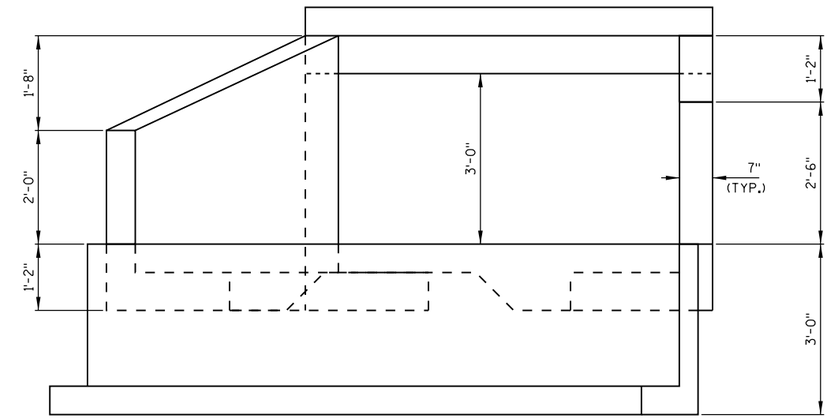


PLAN VIEW - INLET



END VIEW

NOTES

CONCRETE COVER ON ALL REINFORCEMENT IN THE PRECAST ELEMENTS SHALL BE 2" UNLESS SHOWN OR NOTED OTHERWISE.

STEEL REINFORCEMENT MAY BE EITHER GRADE 60 DEFORMED BARS (Fy = 60,000 P.S.I.) OR WELDED DEFORMED - WIRE FABRIC OF EQUIVALENT AREA. (Fy = 65,000 P.S.I.)

THE ULTIMATE COMPRESSIVE STRENGTH OF THE FIELD POURED CONCRETE SHALL BE 3,500 P.S.I.

ALTERNATE DETAILS OF EQUAL STRENGTH AND HYDRAULIC CAPACITY TO THE DETAILS SHOWN ON THIS SHEET MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

THE ULTIMATE COMPRESSIVE STRENGTH OF THE CONCRETE IN THE PRECAST ELEMENTS SHALL BE 5,000 P.S.I.

THE PRECAST ELEMENTS SHALL BE PROVIDED WITH SUITABLE LIFTING DEVICES FOR HANDLING AND PLACEMENT OF THE ELEMENTS.

VERTICAL CONSTRUCTION JOINTS THRU THE WALLS AND FOOTING WILL BE ALLOWED ONLY WITH THE APPROVAL OF THE ENGINEER. DETAILS MUST BE SHOWN ON THE SHOP DRAWINGS FOR APPROVAL.

THE AREA OF REINFORCING STEEL NOT IDENTIFIED IN SECTIONS SHALL CONFORM TO THE FOLLOWING TEMPERATURE AND SHRINKAGE REQUIRMENTS.

THICKNESS	T & S REINF.
≤ 12"	#4 @ 18"
> 12"-18"	#4 @ 12"

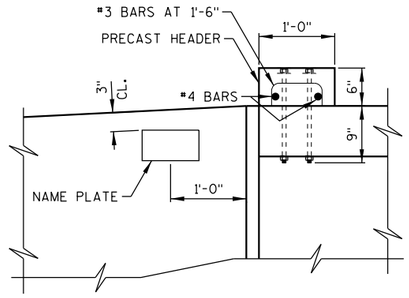
THE 7/8"Φ ANCHOR BOLTS SHALL BE GALVANIZED AND CONFORM TO THE REQUIREMENTS OF A.S.T.M. A575.

ALL EXPOSED CORNERS SHALL BE BEVELED 3/4" ON THE SIDES OR TOOL EDGED WITH A 1/2" MINIMUM RADIUS EDGER.

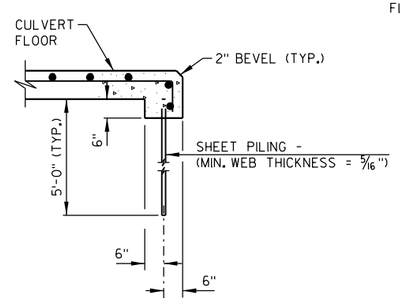
PRECAST CUT OFF WALLS MAY BE FIELD SPLICED BY EXTENDING THE REINFORCING STEEL FROM BOTH SEGMENTS TO BE SPLICED 1'-6" INTO THE SPLICE ZONE. LAPPING THE STEEL ± 1'-6" AND FIELD POURING A SECTION OF CUT OFF WALL 1'-6" LONG.

PRECAST ELEMENTS MAY BE POURED IN PLACE AT THE OPTION OF THE CONTRACTOR.

APRON SHALL BE POURED AND CURED PRIOR TO BACKFILLING WINGWALLS.

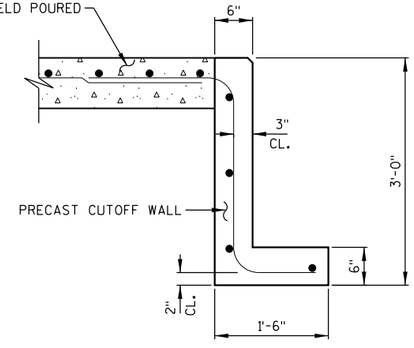


SECTION C-C

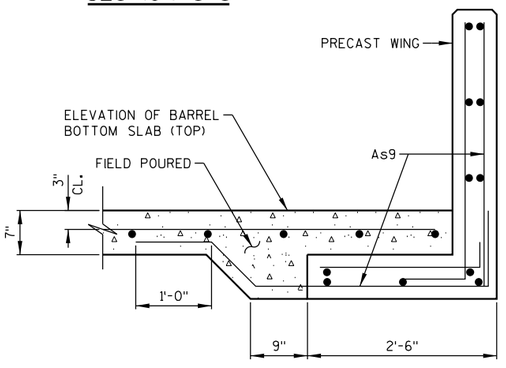


ALTERNATE CUTOFF WALL DETAILS

NOTE: THE ABOVE ALTERNATE MAY BE USED IN LIEU OF THE CONCRETE CUT OFF WALL. PAYMENT IS BASED ON PRECAST CONCRETE WINGWALLS.



SECTION B-B



SECTION A-A

	IN²/FT.
As9	0.19

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STRUCTURE C-73-4

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INLET DETAILS

SHEET 7 OF 12

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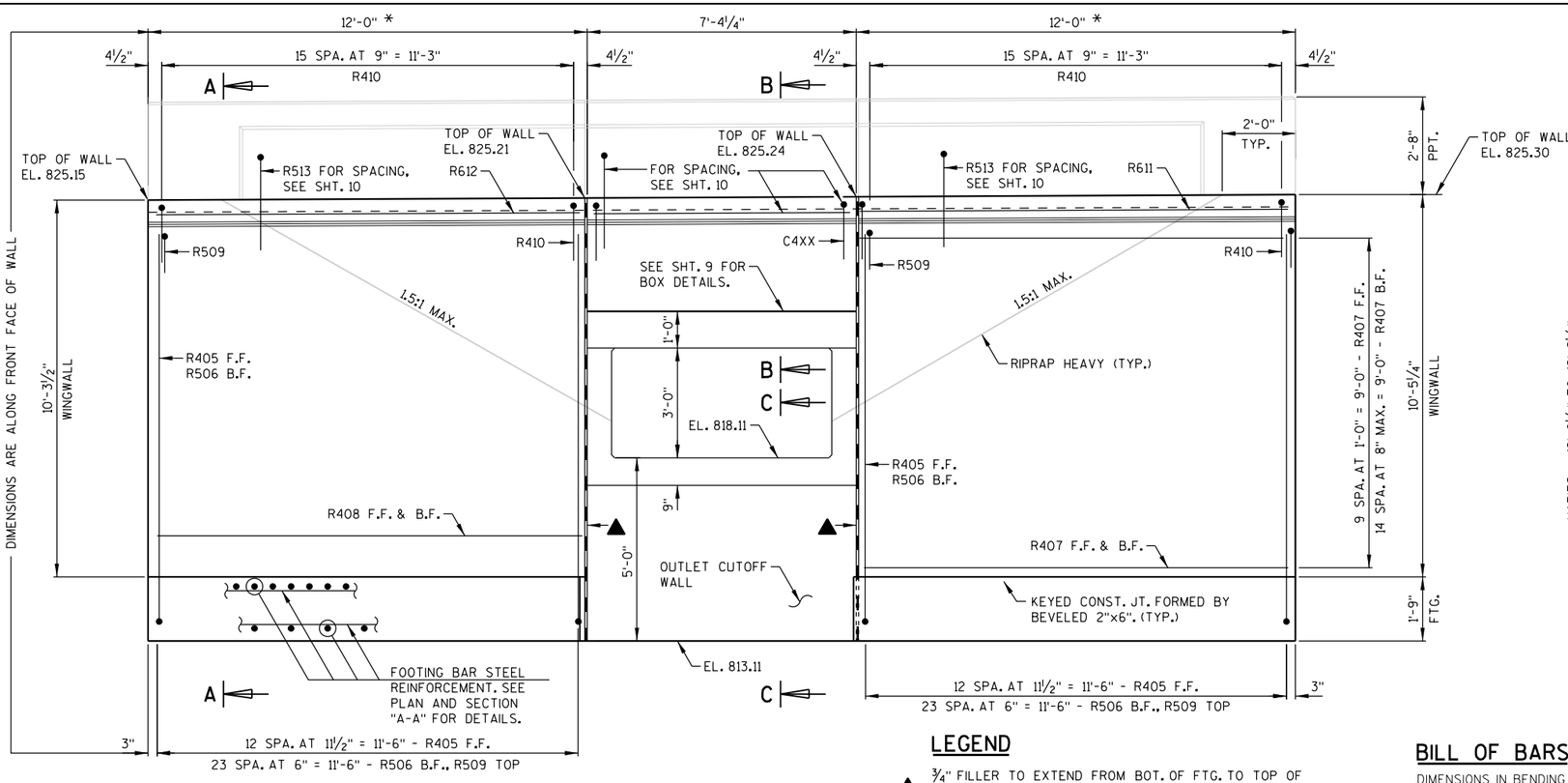
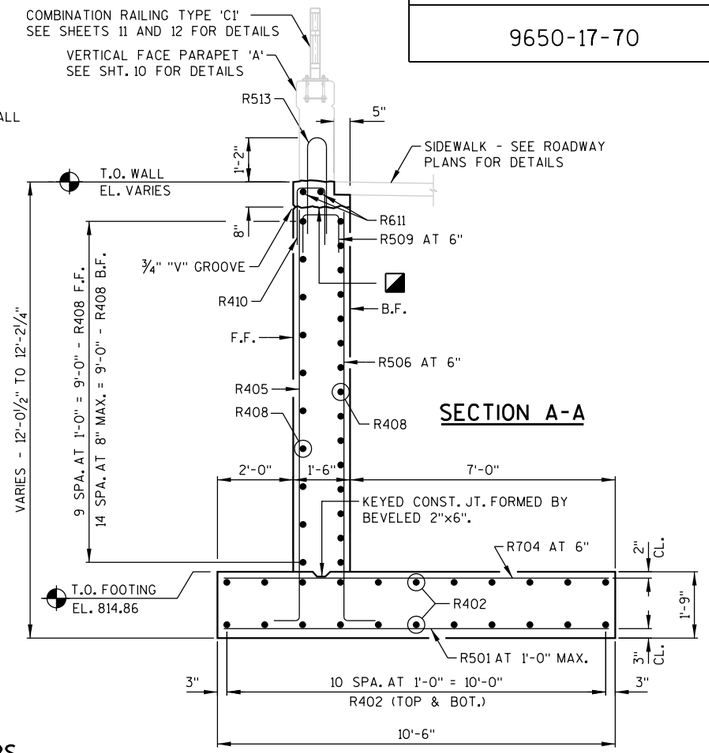


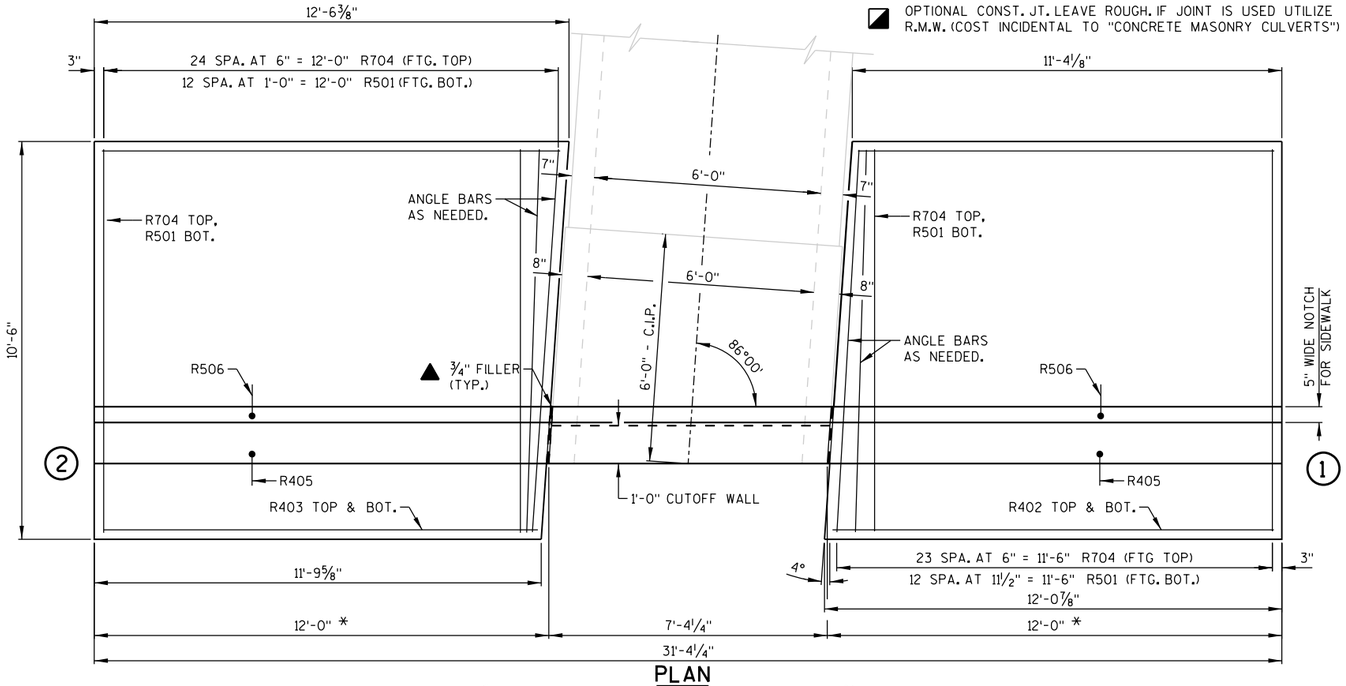
ELEVATION WINGS 1 AND 2



LEGEND

▲ ¾" FILLER TO EXTEND FROM BOT. OF FTG. TO TOP OF PARAPET. SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF ¾" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE.)

◪ OPTIONAL CONST. JT. LEAVE ROUGH. IF JOINT IS USED UTILIZE R.M.W. (COST INCIDENTAL TO "CONCRETE MASONRY CULVERTS")



PLAN

* MEASURED ALONG F.F. OF WALLS. DIM. INCLUDES ¾" FILLER.

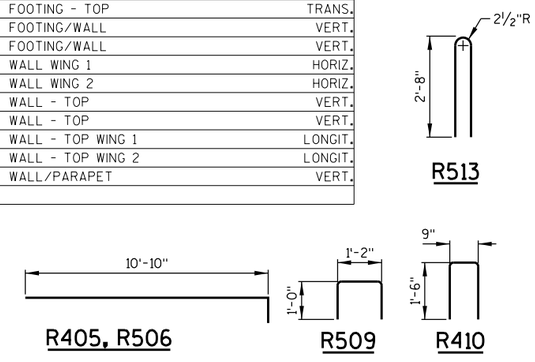
BILL OF BARS

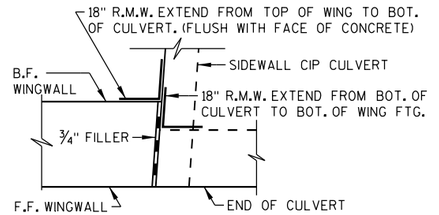
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.
△ LENGTH SHOWN FOR BAR IS AN AVG. LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION	
COATED BARS					TOTAL WEIGHT = 3,320 LBS	
R501	26	10-2			FOOTING - BOT.	TRANS.
R402	22	11-4		△	FOOTING - TOP & BOT. WING 1	LONGIT.
R403	22	11-9		△	FOOTING - TOP & BOT. WING 2	LONGIT.
R704	49	10-2			FOOTING - TOP	TRANS.
R405	26	11-5	X		FOOTING/WALL	VERT.
R506	48	11-6	X		FOOTING/WALL	VERT.
R407	25	11-6			WALL WING 1	HORIZ.
R408	25	11-6			WALL WING 2	HORIZ.
R509	48	2-11	X		WALL - TOP	VERT.
R410	32	3-7	X		WALL - TOP	VERT.
R611	2	11-6			WALL - TOP WING 1	LONGIT.
R612	2	11-6			WALL - TOP WING 2	LONGIT.
R513	40	5-8	X		WALL/PARAPET	VERT.

BAR SERIES

MARK	NO. REQ'D	LENGTH
R402	2 SETS OF 11	11'-0" TO 11'-8"
R403	2 SETS OF 11	11'-5" TO 12'-2"





RUBBERIZED MEMBRANE WATERPROOFING

(TYPICAL ALL CORNERS)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-73-4

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OUTLET WINGWALLS

SHEET 8 OF 12

8

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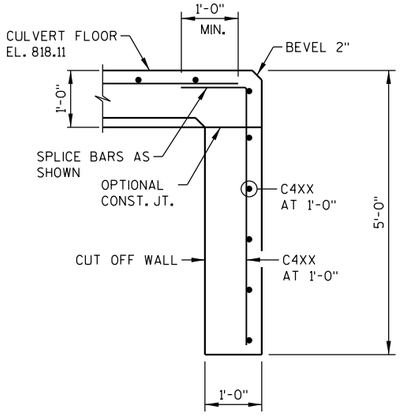
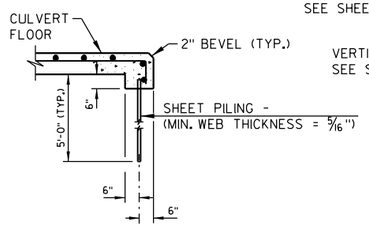
STATE PROJECT NUMBER

9650-17-70

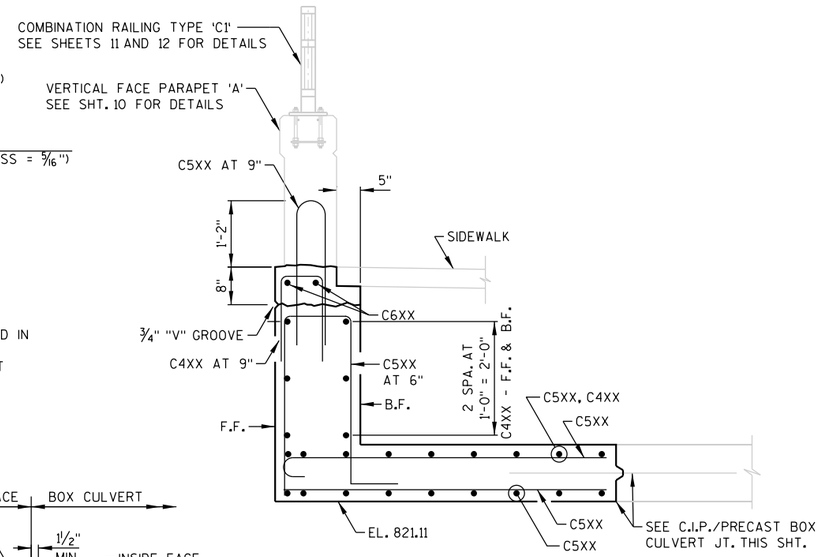


SECTION C-C
THRU OUTLET CUTOFF WALL

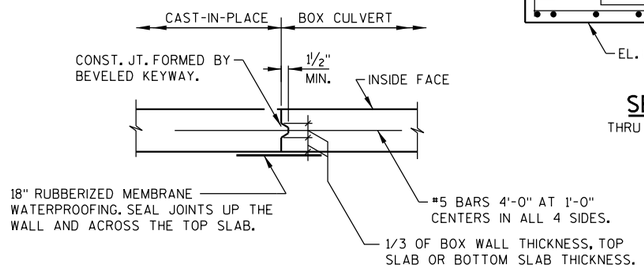


ALTERNATE CUTOFF WALL DETAILS

NOTE: THE ABOVE ALTERNATE MAY BE USED IN LIEU OF THE CONCRETE CUT OFF WALL. PAYMENT IS BASED ON THE CONCRETE CUT OFF WALL.



SECTION B-B
THRU TOP HEADER OUTLET



CAST-IN-PLACE TO PRECAST CONSTRUCTION JOINT

BILL IF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.
△ LENGTH SHOWN FOR BAR IS AN AVG. LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

MARK	NO. REQ'D	LENGTH	BENT	BAR SERIES	LOCATION
COATED BARS					TOTAL WEIGHT = #VALUE!
C					
C					
C					
C					
C					
C					
C					
C					
C					
C					
C					
C					
C					
C					

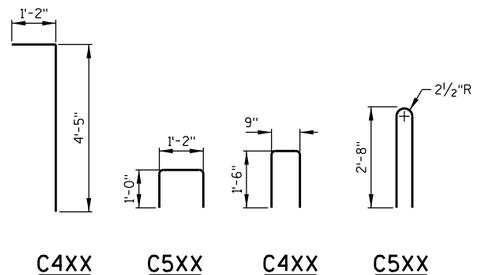
BAR SERIES

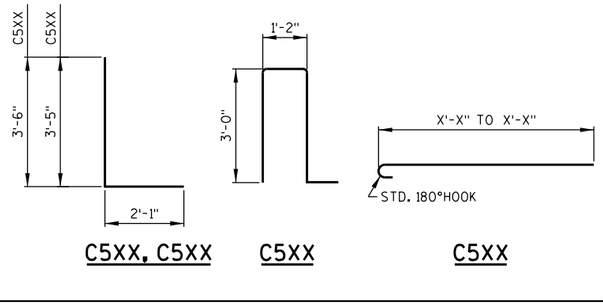
MARK	NO. REQ'D	LENGTH
	2 SETS OF 20	

ELEVATION
(LOOKING NORTH)

PLAN VIEW - OUTLET

TYPICAL SECTION THRU BOX





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CAST-IN-PLACE OUTLET DETAILS

SHEET 9 OF 12

8

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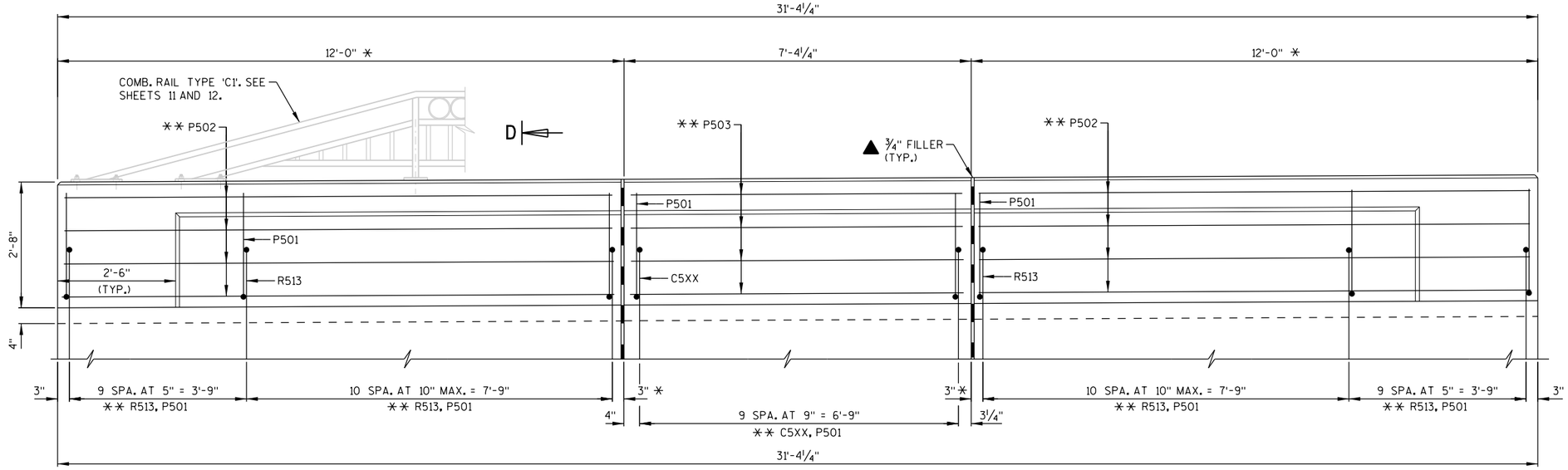
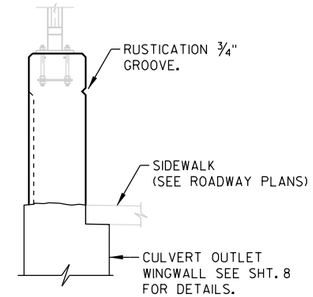


OUTSIDE FACE OF PARAPET

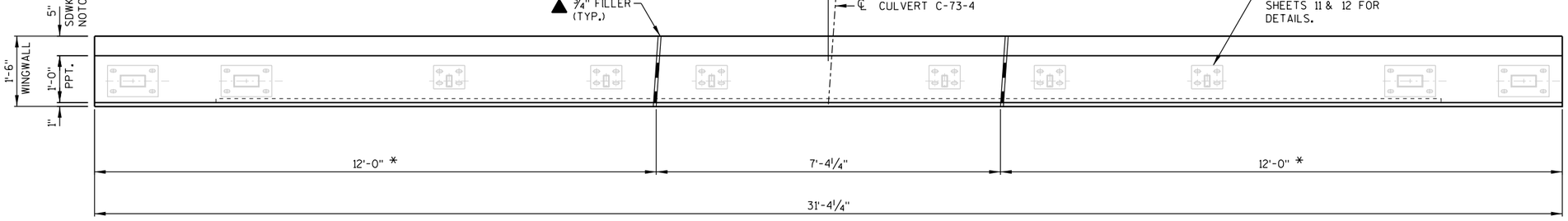
D

* MEASURED ALONG F.F. OF WALLS. DIM. INCLUDES ¾" FILLER.

** ADJUST LOCATIONS OF BARS TO ALLOW PLACEMENT OF ANCHOR ASSEMBLY FOR RAILING AND BEAM GUARD.

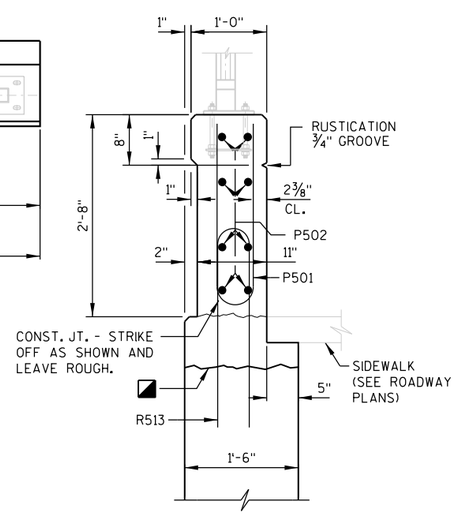


END VIEW

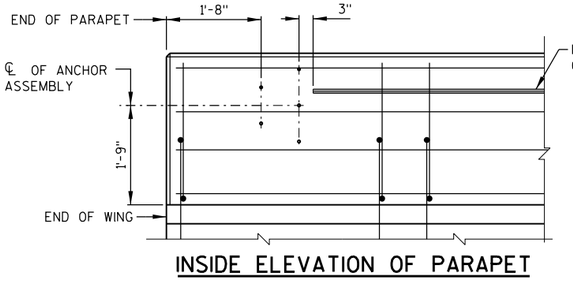


PLAN

* MEASURED ALONG F.F. OF WALLS. DIM. INCLUDES ¾" FILLER.



SECTION D-D



INSIDE ELEVATION OF PARAPET

LEGEND

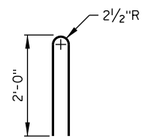
▲ ¾" FILLER TO EXTEND FROM BOT. OF FTG. TO TOP OF PARAPET. SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 3#4" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1"8" BELOW SURFACE OF CONCRETE.)

◪ OPTIONAL CONST. JT. LEAVE ROUGH. IF JOINT IS USED UTILIZE R.M.W. (COST INCIDENTAL TO "CONCRETE MASONRY CULVERTS")

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

MARK	NO. REQ'D	LENGTH	BENT	LOCATION
COATED BARS				TOTAL WEIGHT = 500 LBS
P501	50	4 - 9	X	PARAPET VERT.
P502	16	11 - 6		PARAPET - WINGS 1 AND 2 HORIZ.
P503	8	7 - 0		PARAPET - ABOVE CULVERT HORIZ.



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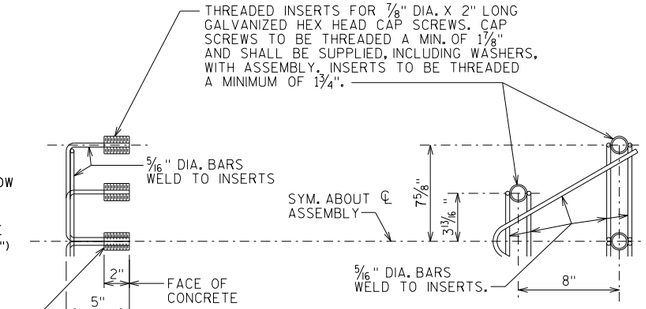

DETAIL OF ANCHOR ASSEMBLY

NOTE: HEX HEAD CAP SCREWS & WASHERS TO BE GALVANIZED IN ACCORDANCE WITH AASHTO M232 CLASS C.

ASSEMBLY SHALL BE BID ITEM "ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD", EACH.

NO.	DATE	REVISION	BY

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STRUCTURE C-73-4

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VERTICAL FACE PARAPET 'A'

SHEET 10 OF 12

8

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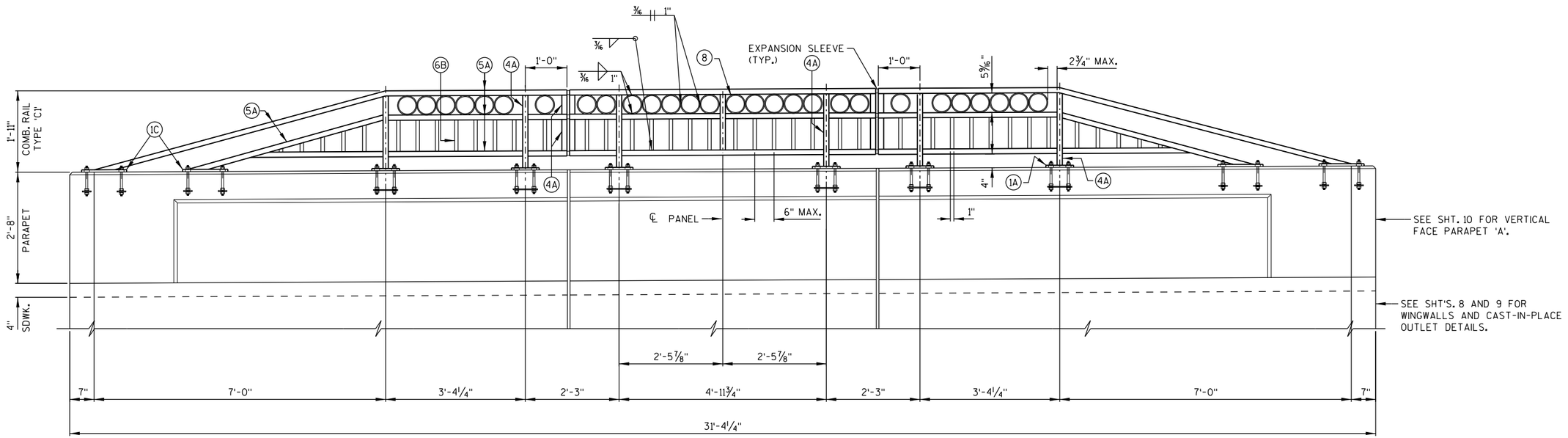
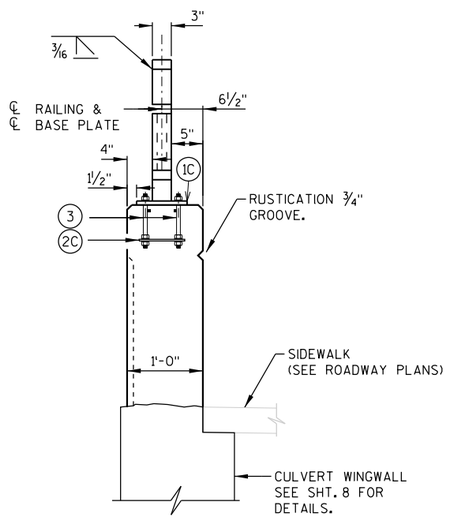
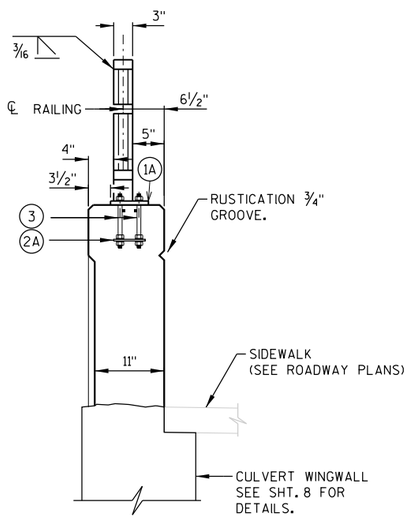


OUTSIDE FACE OF PARAPET & RAIL



END VIEW



TYP. RAIL POST

LEGEND

FOR LEGEND DESCRIPTIONS SEE SHT. 12.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-73-4

DRAWN BY KAM | PLANS CK'D. CAB

COMBINATION
RAIL TYPE 'C1'

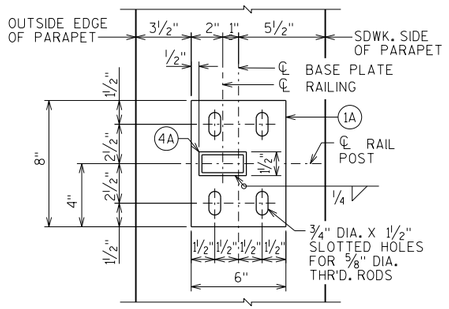
SHEET 11 OF 12

8

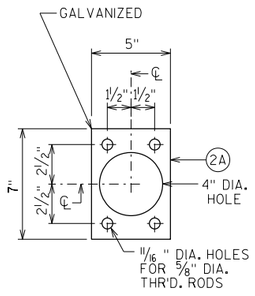
8

STATE PROJECT NUMBER

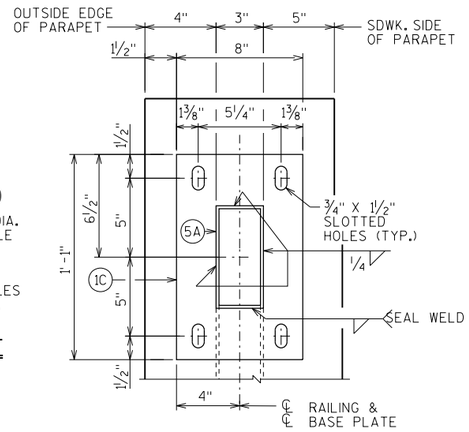
9650-17-70



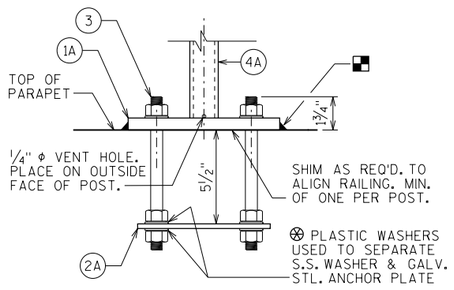
TYPICAL RAIL POST BASE PLATE



ANCHOR PLATE

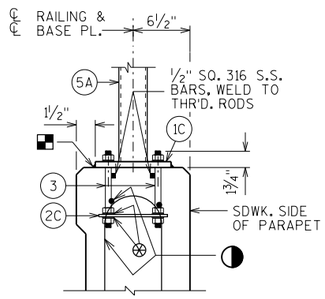


END RAIL BASE PLATE



ANCHORAGE FOR RAIL POSTS

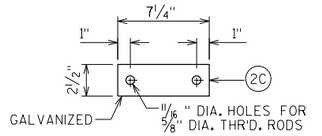
NOTE: ANCHOR PLATE NOT REQUIRED WHEN ADHESIVE ANCHORS ARE USED.



ANCHORAGE FOR END RAIL

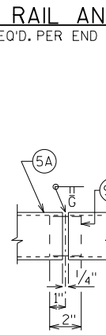
NOTE: ANCHOR PLATES NOT REQ'D. WHEN ADHESIVE ANCHORS ARE USED.

◑ WHEN ADHESIVE ANCHORS ARE USED, FIELD BEND AND OR DISPLACE TO AVOID HITTING LONGITUDINAL BAR WHEN DRILLING FOR ADHESIVE ANCHORS.



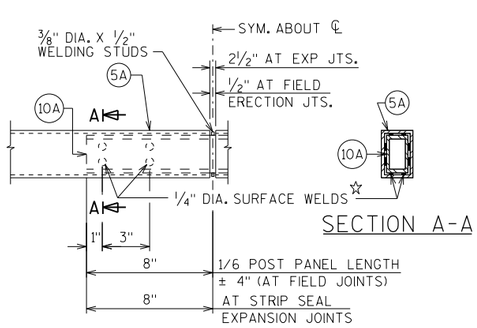
END RAIL ANCHOR PLATE

2 REQ'D. PER END RAIL BASE PLATE



SHOP RAIL SPLICE DETAIL

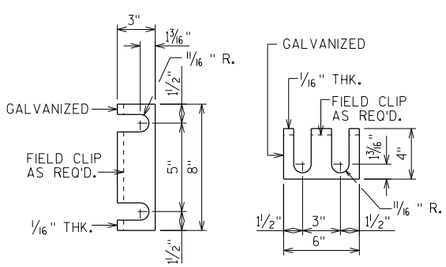
(LOCATION MUST BE SHOWN ON SHOP DRAWINGS)



SECTION A-A

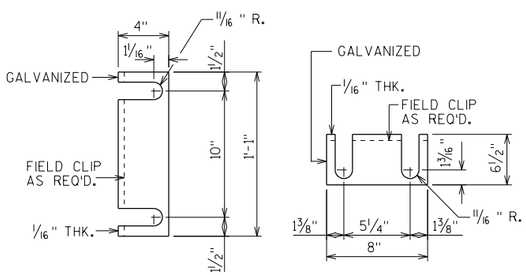
FIELD ERECTION JOINT DETAIL

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



RAIL POST SHIM DETAIL

(2 SETS PER POST)



END RAIL SHIM DETAIL

(2 SETS PER POST)

LEGEND

(1A) PLATE ⅝" X 6" X 8" WITH ¾" X 1½" SLOTTED HOLES.

(1C) PLATE ⅝" X 8" X 1'-1" WITH ¾" X 1½" SLOTTED HOLES.

(2A) ¼" X 5" X 7" ANCHOR PLATE WITH 11/16" DIA. HOLES FOR THR'D. RODS NO. 3.

(2C) ¼" X 2½" X 7¼" ANCHOR PLATE WITH 11/16" DIA. HOLES FOR THR'D. RODS NO. 3.

(3) ⅝" DIA. X 9" LONG, TYPE 316 STAINLESS STEEL THREADED RODS (MIN. TENSILE STRENGTH = 70 KSI) WITH NUT AND WASHERS OF SAME ALLOY GROUP. ALTERNATIVE ANCHORAGE: CONCRETE ADHESIVE ANCHORS ⅝-INCH. EMBED 7" IN CONCRETE FOR RAIL POSTS. EMBED 5" IN CONCRETE FOR END RAILS. ADHESIVE ANCHORS SHALL CONFORM TO SECTION 502.2.12 OF THE STANDARD SPECIFICATIONS.

(4A) STRUCTURAL TUBING 3" X 1½" X 3/16". PLACE VERTICAL. WELD TO NO. 1 & 5.

(5A) STRUCTURAL TUBING 3" X 1½" X 3/16" RAILS. WELD TO NO. 1 & NO. 4. INSIDE OF TUBE TO BE PAINTED AT ALL FIELD ERECTION & EXPANSION JOINTS.

(6B) BAR 1" X 1½" PICKETS. WELD TO NO. 5. (SPACE AT 6" MAX. ℄ TO ℄ SPACING) PLACE VERTICAL.

(8) STRUCTURAL TUBING 5" DIA. (STANDARD SIZE) (5.563" O.D.) 1½" LONG SLICES. WELD TO NO. 5A.

(9A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. PROVIDE "SLIDING FIT".

(10A) RECTANGULAR SLEEVE FABRICATED FROM 3/16" PLATES. (1'-4" @ FIELD ERECTION JTS.) (1'-4" @ STRIP SEAL EXP. JTS.)

RAILING NOTES

BID ITEM SHALL BE "RAILING STEEL TYPE C1", WHICH SHALL INCLUDE ALL STEEL ITEMS SHOWN.

POST BASE PLATES SHALL BE FLAT WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ALL PLATES, BARS, AND RECTANGULAR SLEEVES SHALL CONFORM TO ASTM A709 GRADE 36. ALL STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B.

ANCHORAGES SHALL BE ACCURATELY PLACED TO PROVIDE CORRECT ALIGNMENT OF RAILING. SET NORMAL TO GRADE.

CUT BOTTOM OF POST TO MAKE POST VERTICAL IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTION.

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

■ CAULK AROUND PERIMETER OF BASE PLATES, NO. 1, AND FILL BOLT SLOT OPENINGS IN SHIMS AND BASE PLATES WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.

ALL JOINTS AND RECESSES IN CONCRETE PARAPET ARE TO BE VERTICAL.

ALL MATERIAL (EXCEPT NO. 3) SHALL BE GALVANIZED AFTER FABRICATION. PRIOR TO GALVANIZING, THE STEEL RAILING SHALL BE GIVEN A NO. 6 BLAST CLEANING PER SSPC SPECIFICATIONS. PAINT OVER GALVANIZING WITH AN APPROVED TIE COAT AND TOP COAT AS SPECIFIED IN THE CONTRACT DOCUMENTS. THE RAILING SHALL BE PAINTED AMS STD. COLOR NO. 27038, BLACK.

VENT HOLES SHALL BE DRILLED IN POST AND RAIL MEMBERS AS REQUIRED TO FACILITATE GALVANIZING AND DRAINAGE.

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

TOUCH-UP PAINTING TO BE DONE AT COMPLETION OF STEEL RAILING INSTALLATION TO THE SATISFACTION OF THE ENGINEER AT NO EXTRA COST.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE C-73-4

DRAWN BY KAM | PLANS CK'D. CAB

COMBINATION RAIL TYPE 'C1' DETAILS

SHEET 12 OF 12

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BATCH PRINT SHEET 12 OF 12

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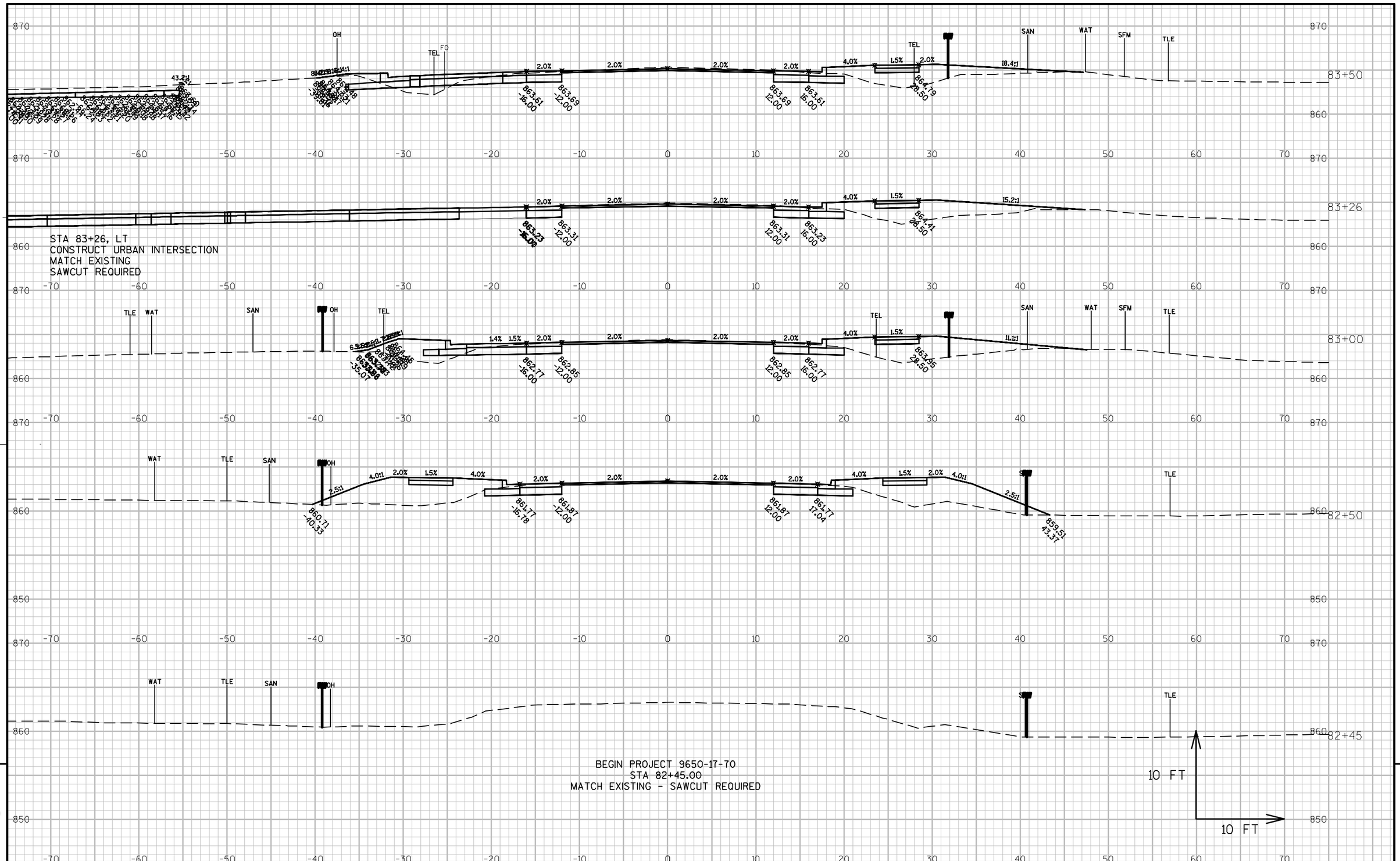
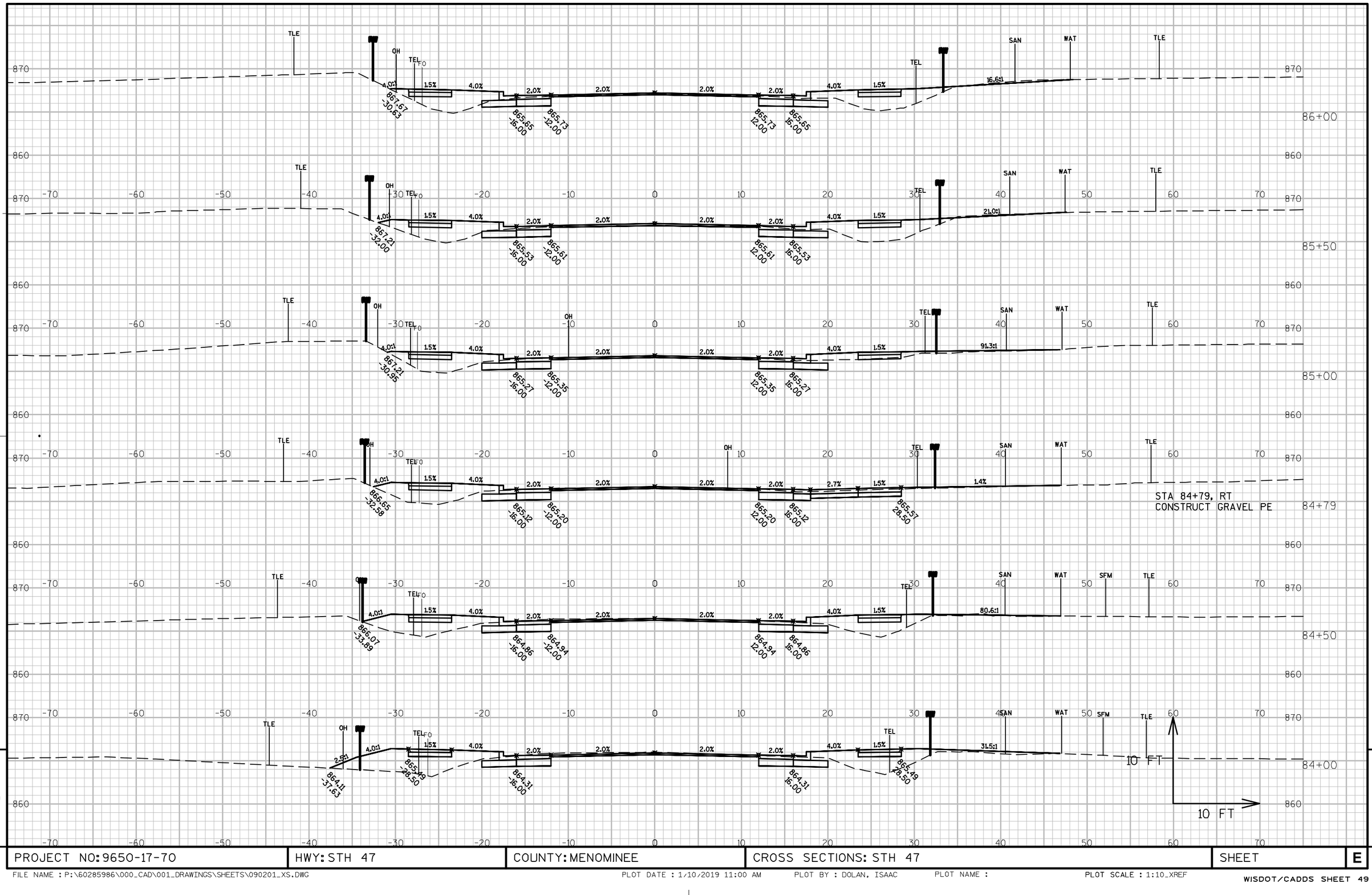
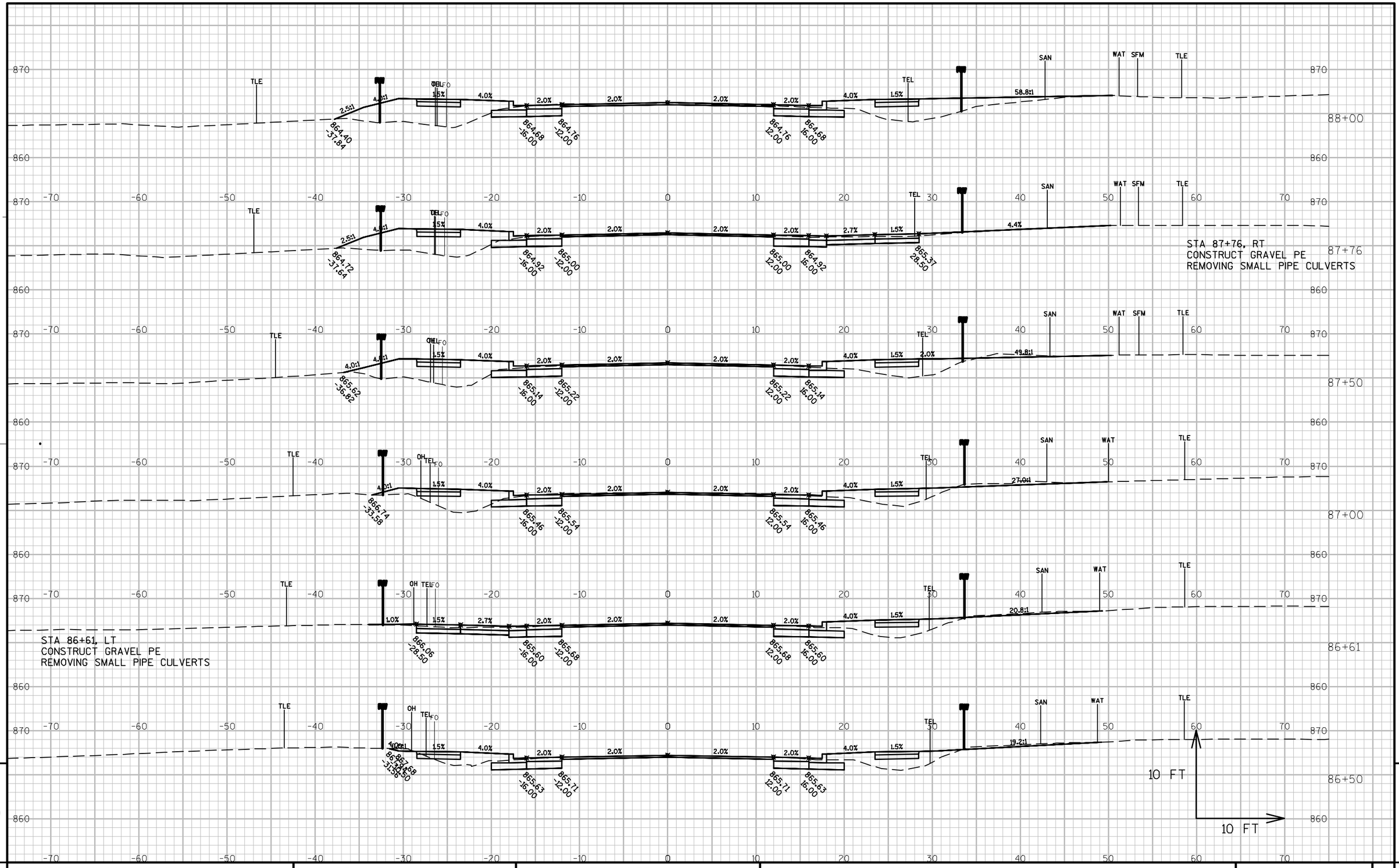


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



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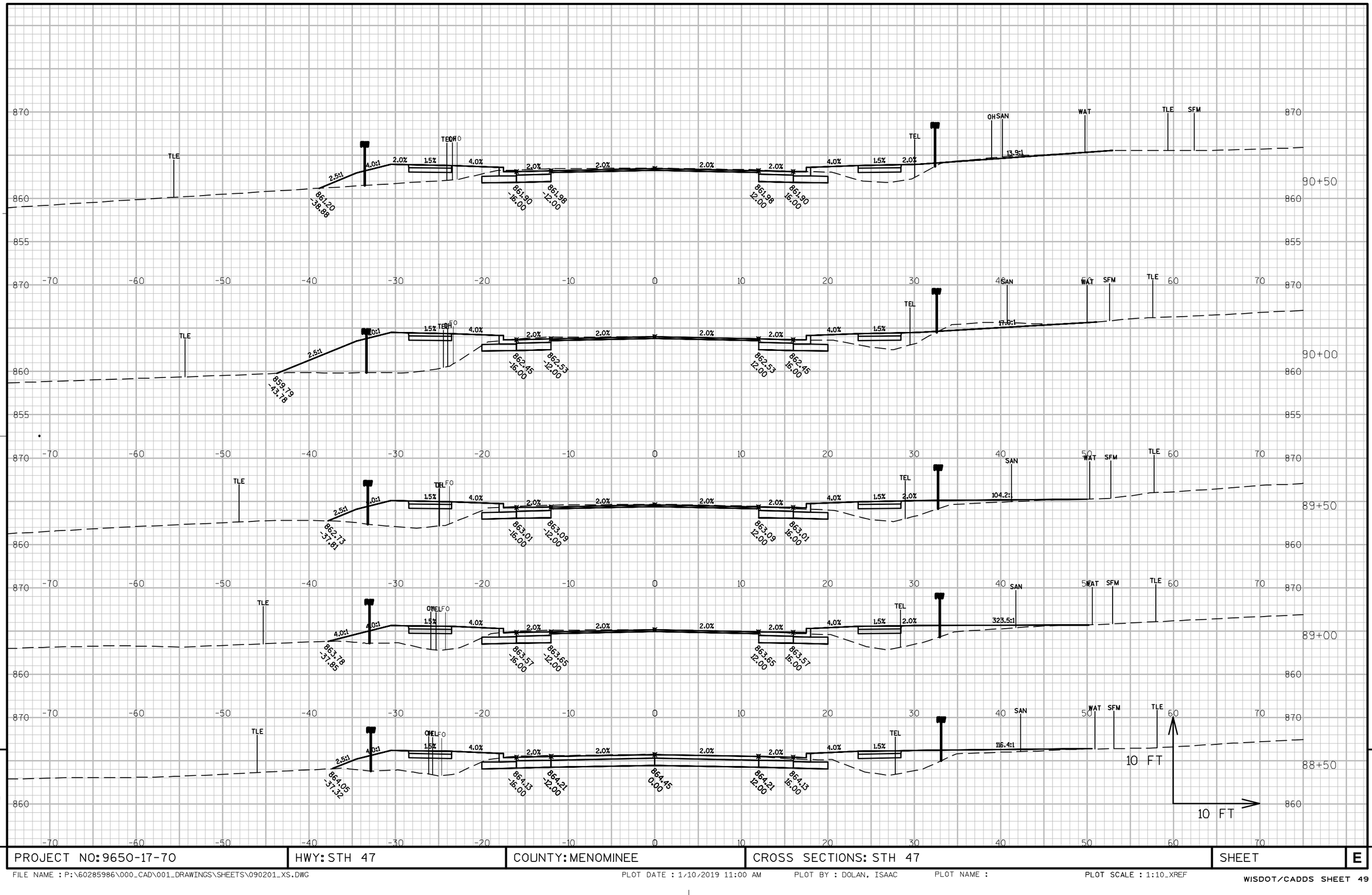
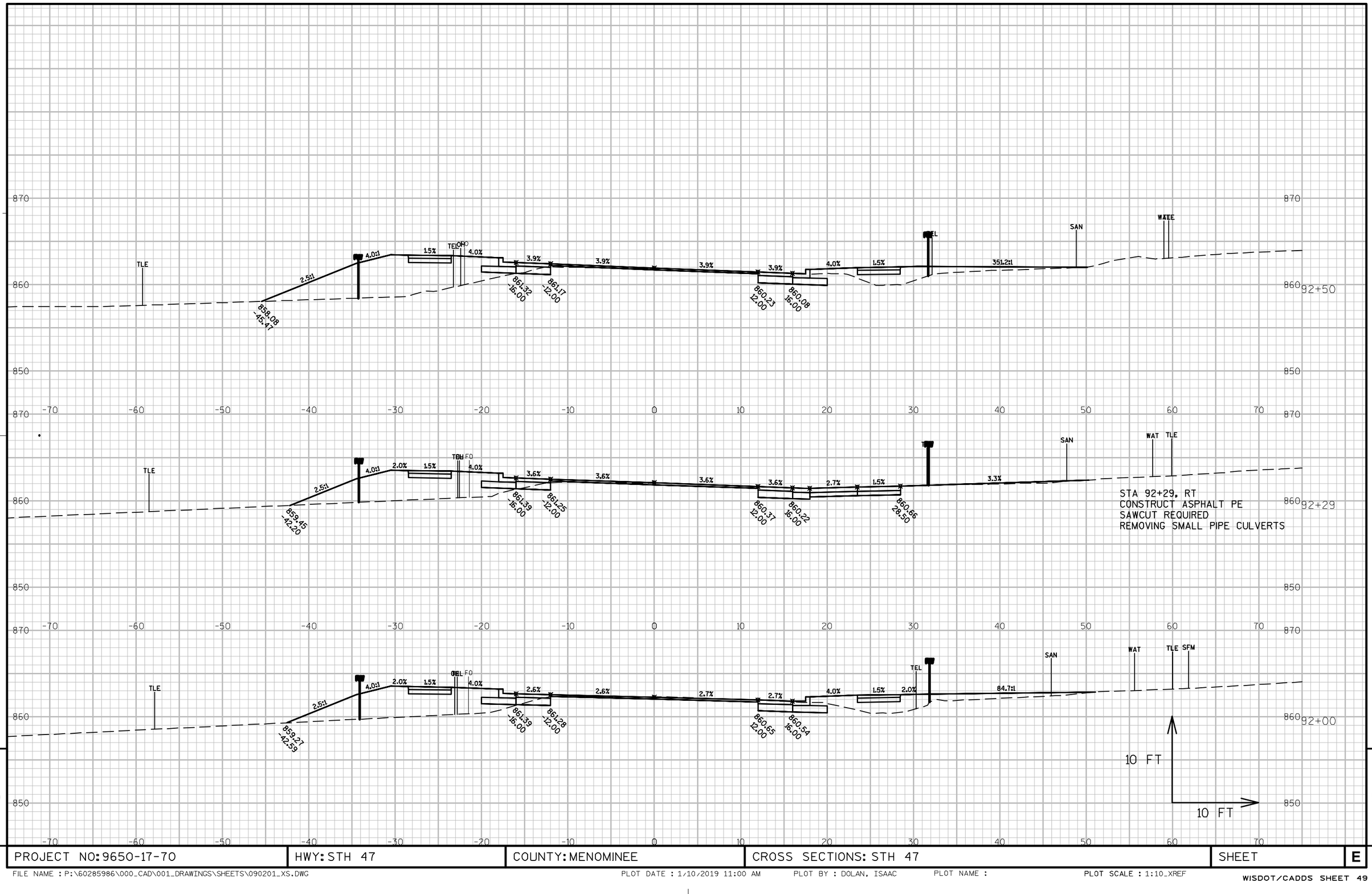


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090201_XS.DWG PLOT DATE : 1/10/2019 11:00 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



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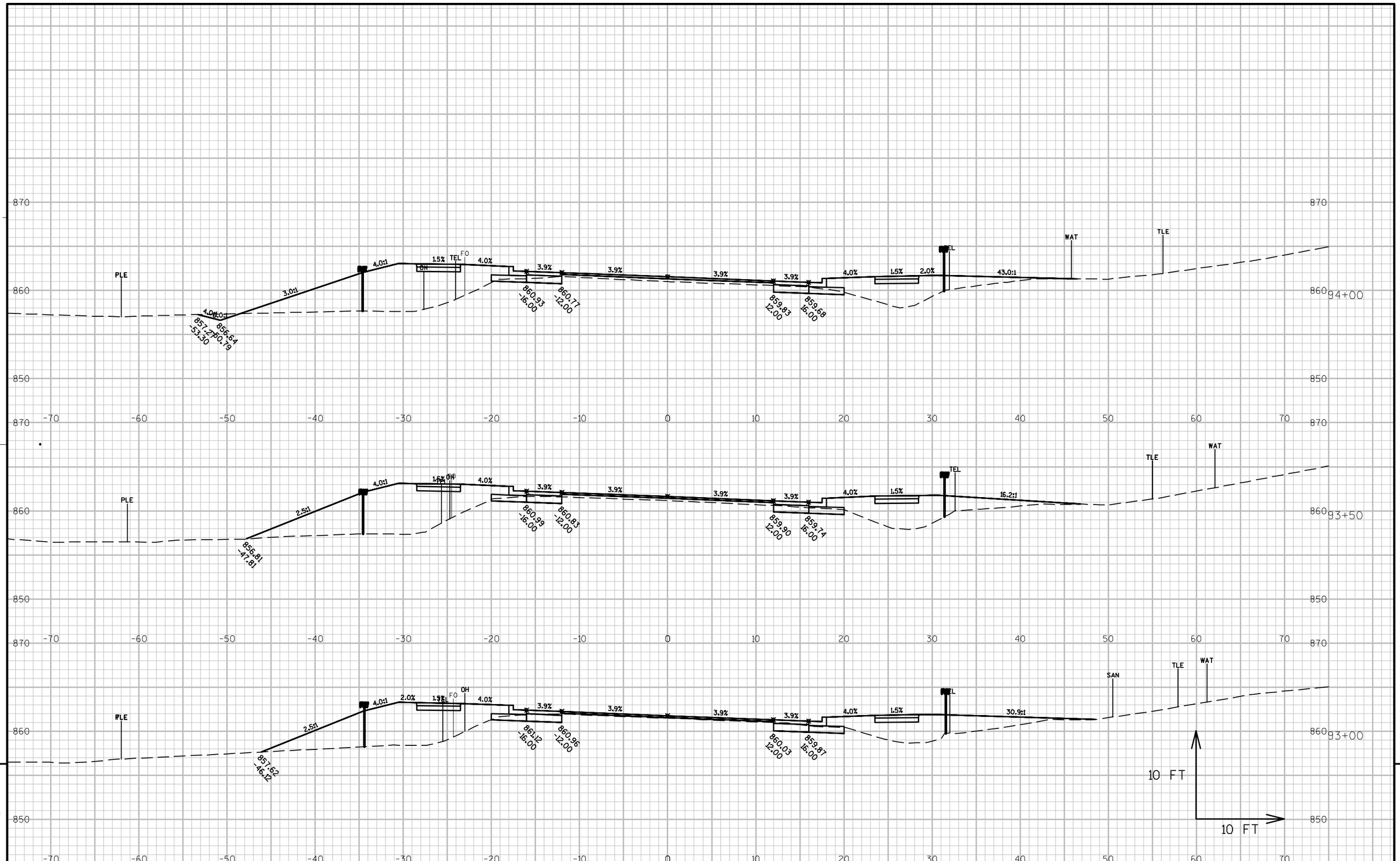

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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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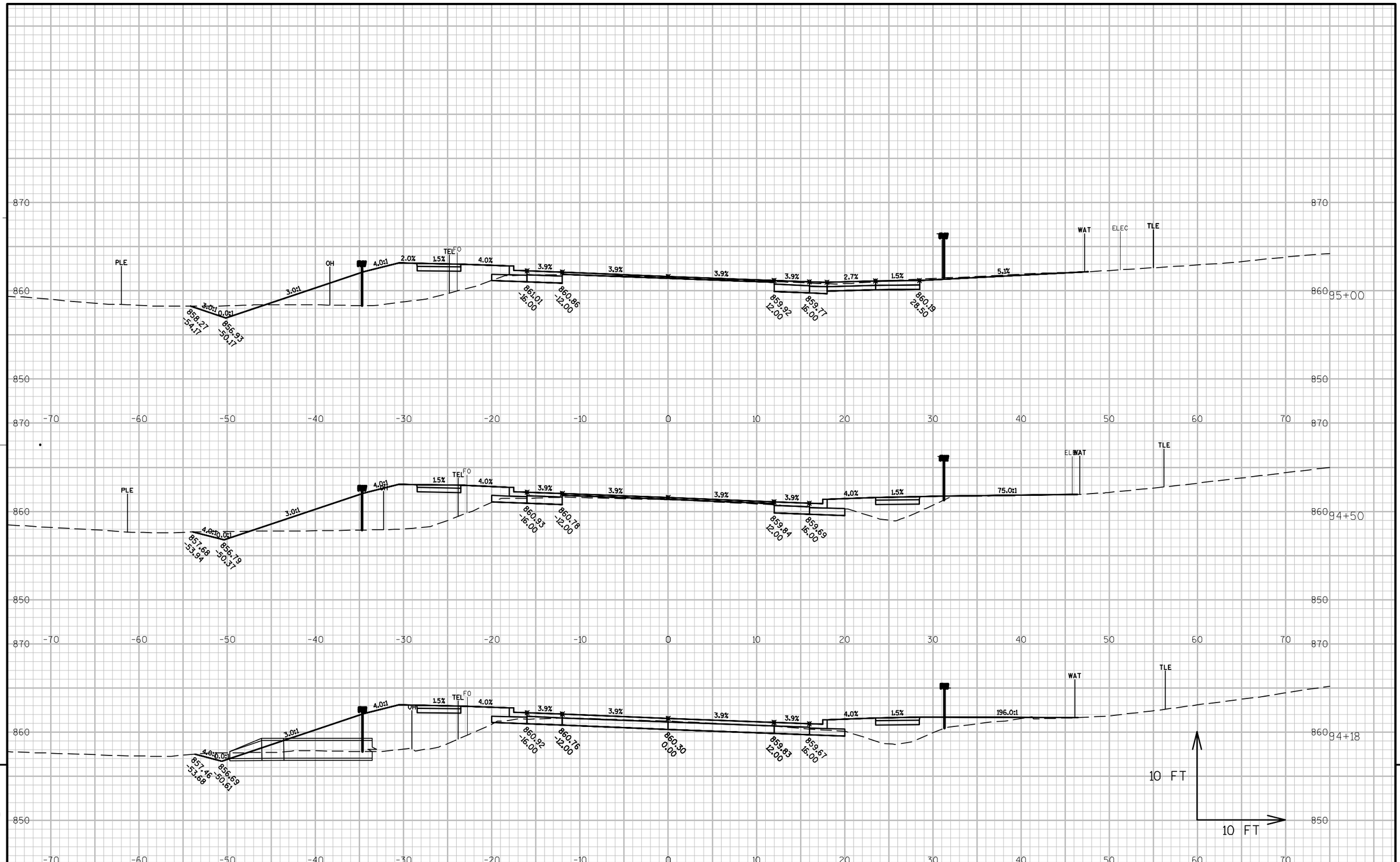
WISDOT/CADDS SHEET 49



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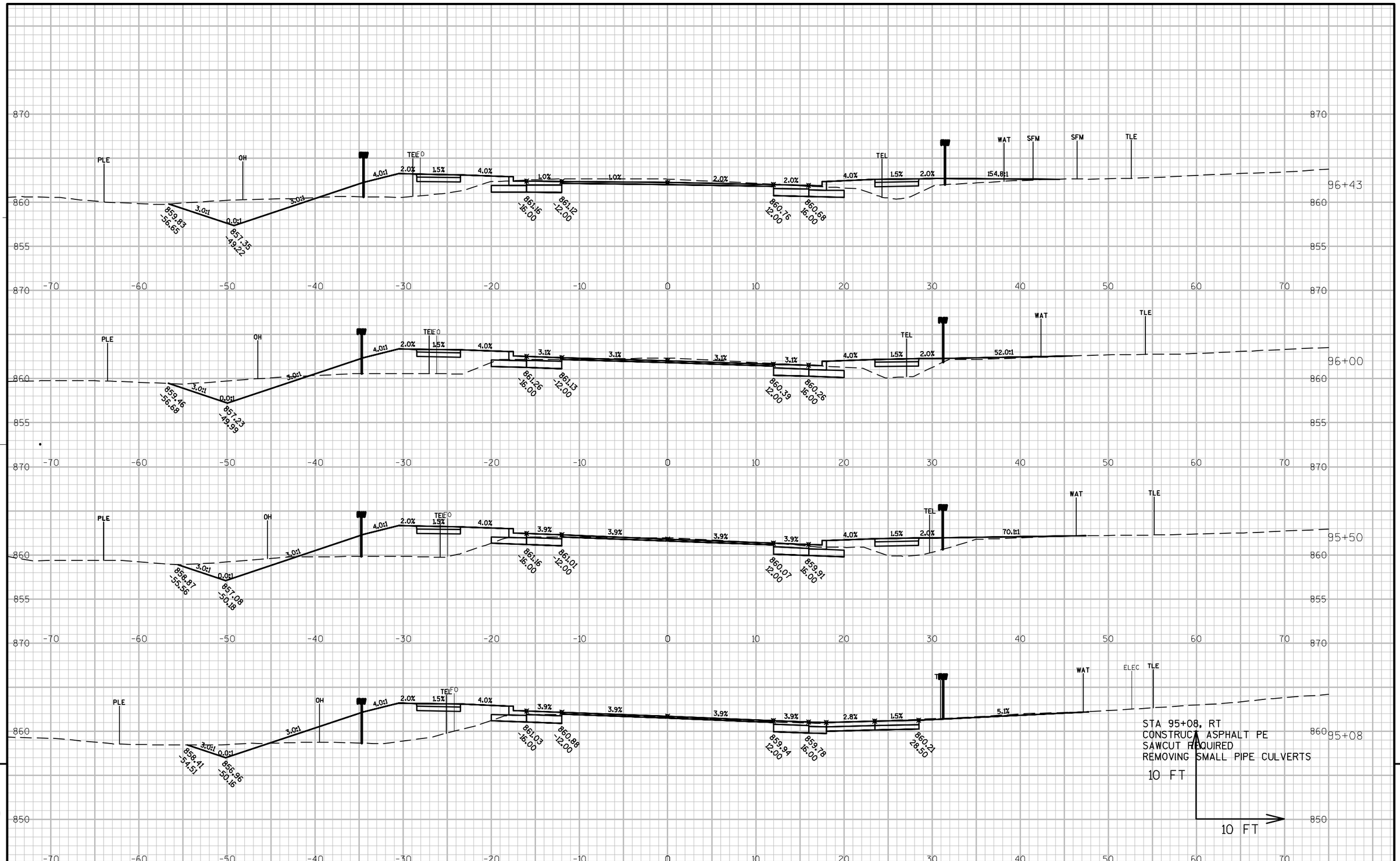
WISDOT/CADDS SHEET 49



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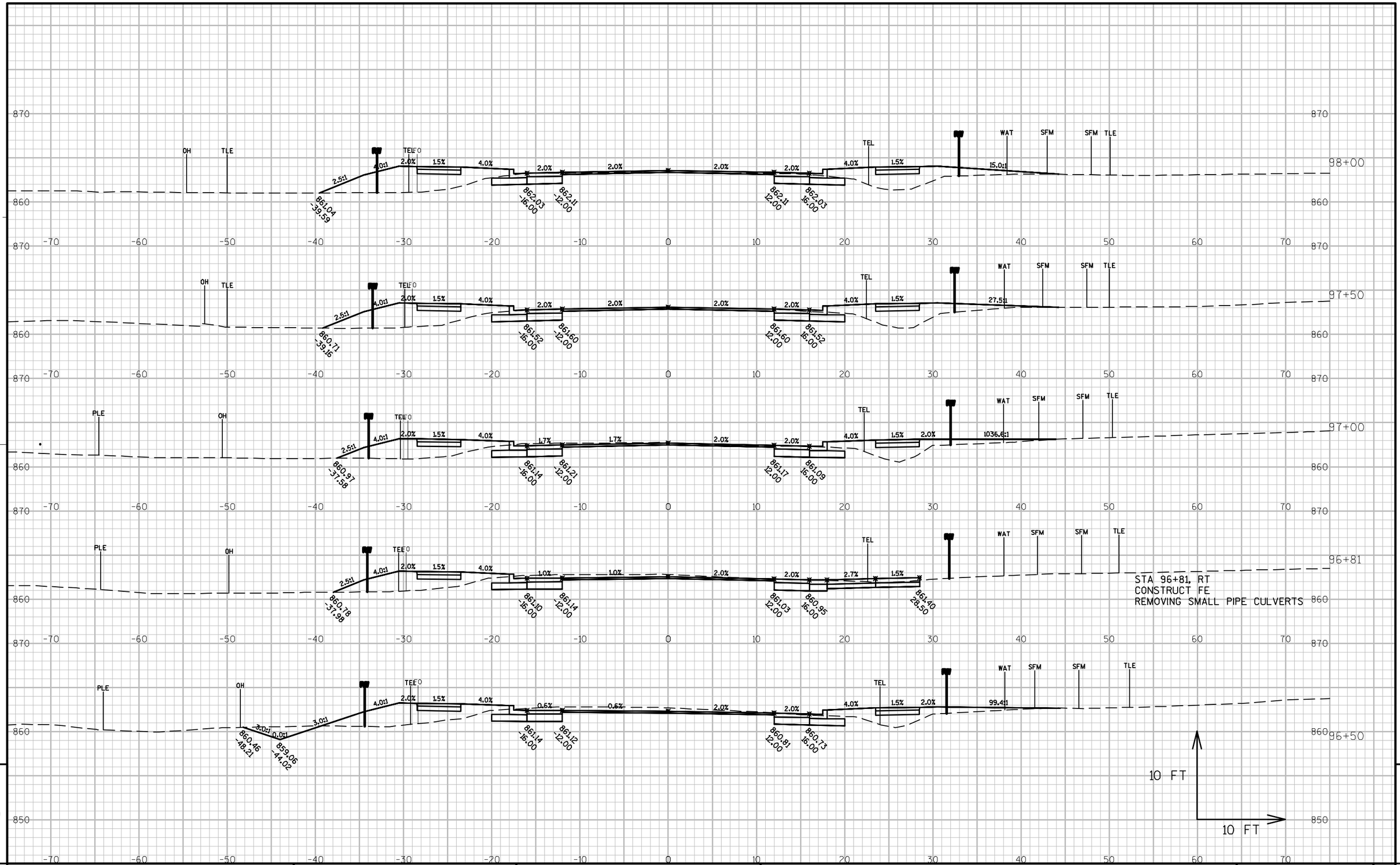

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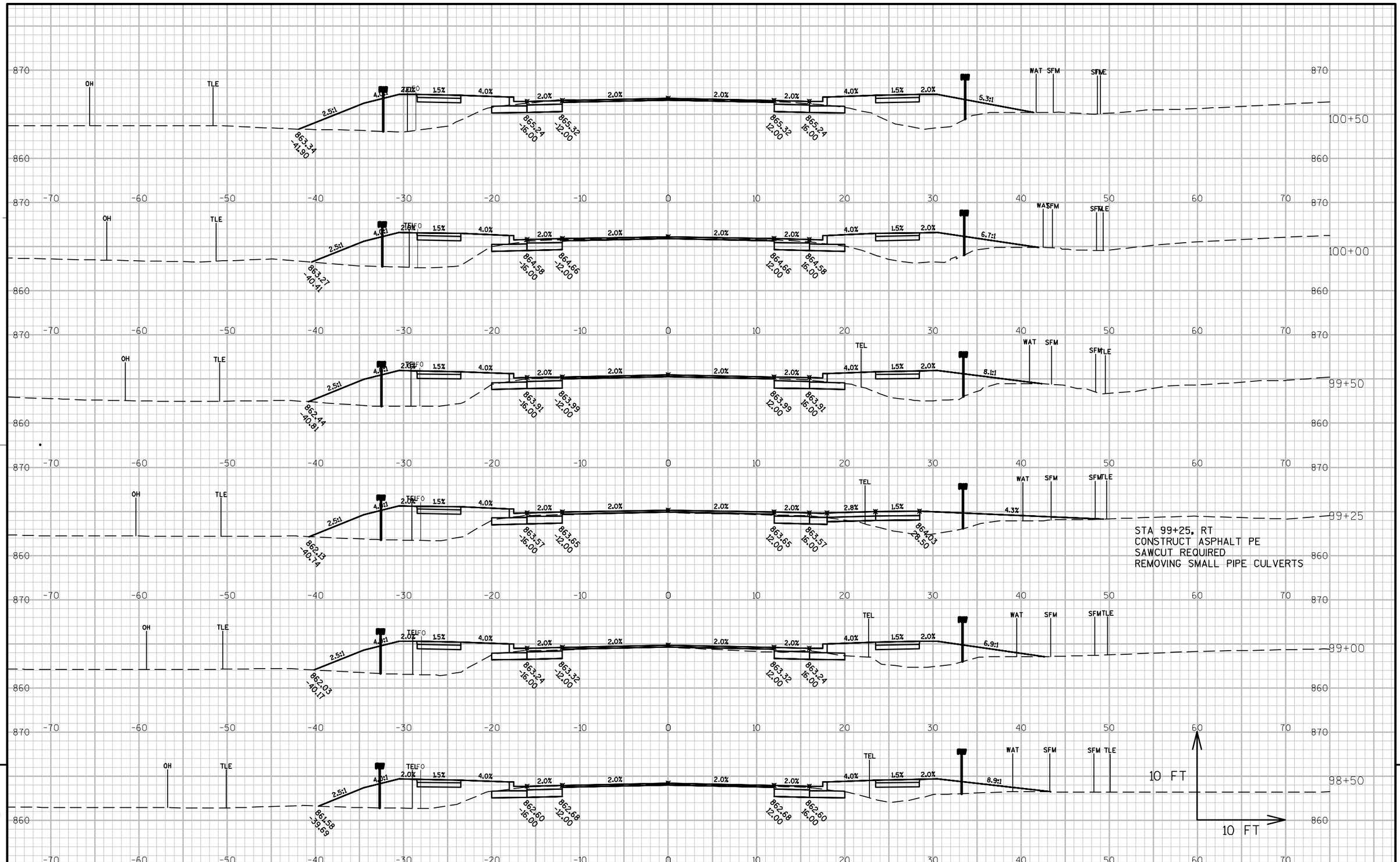
WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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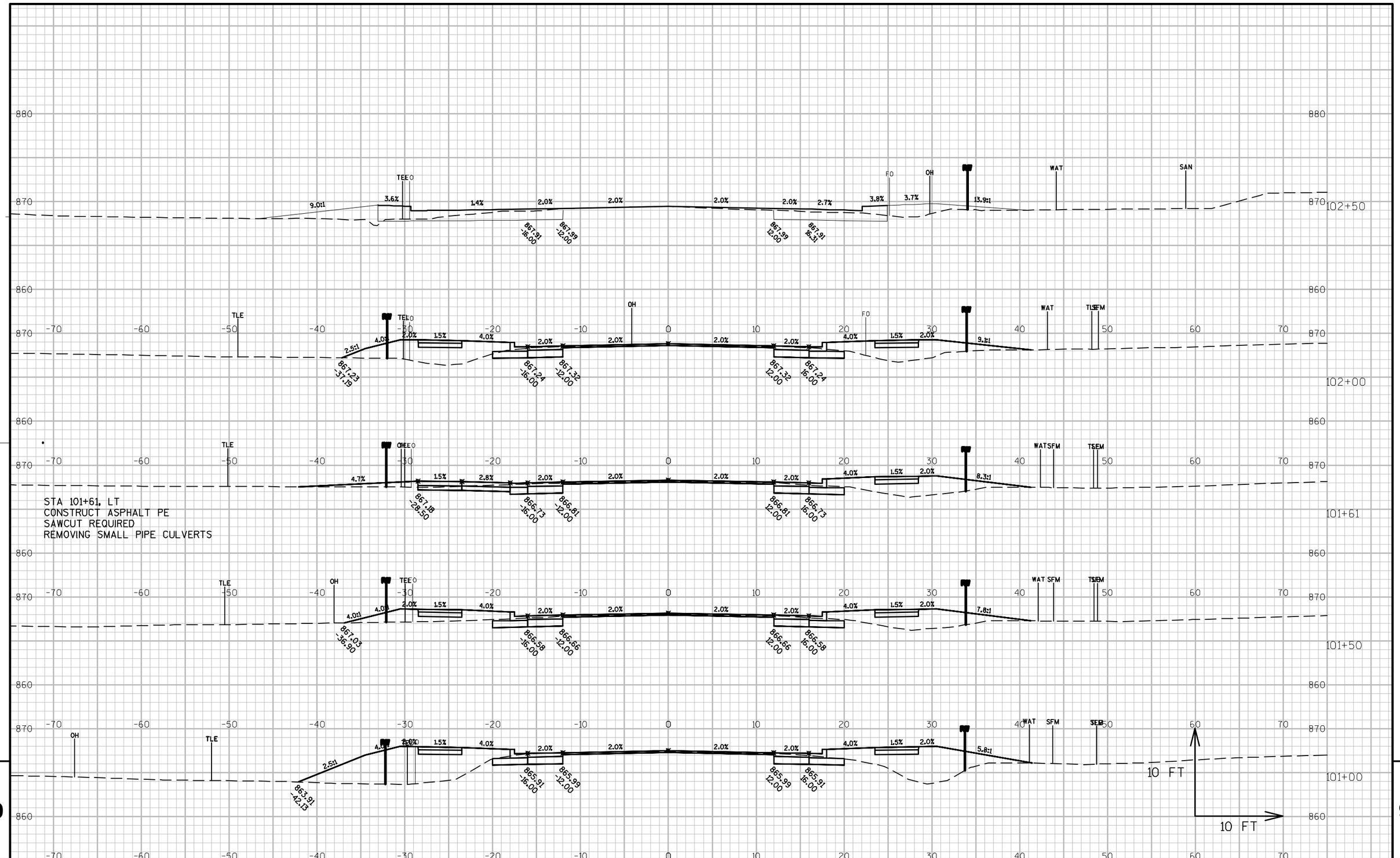

STA 101+61, LT
CONSTRUCT ASPHALT PE
SAWCUT REQUIRED
REMOVING SMALL PIPE CULVERTS

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090201_XS.DWG PLOT DATE : 1/10/2019 11:01 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

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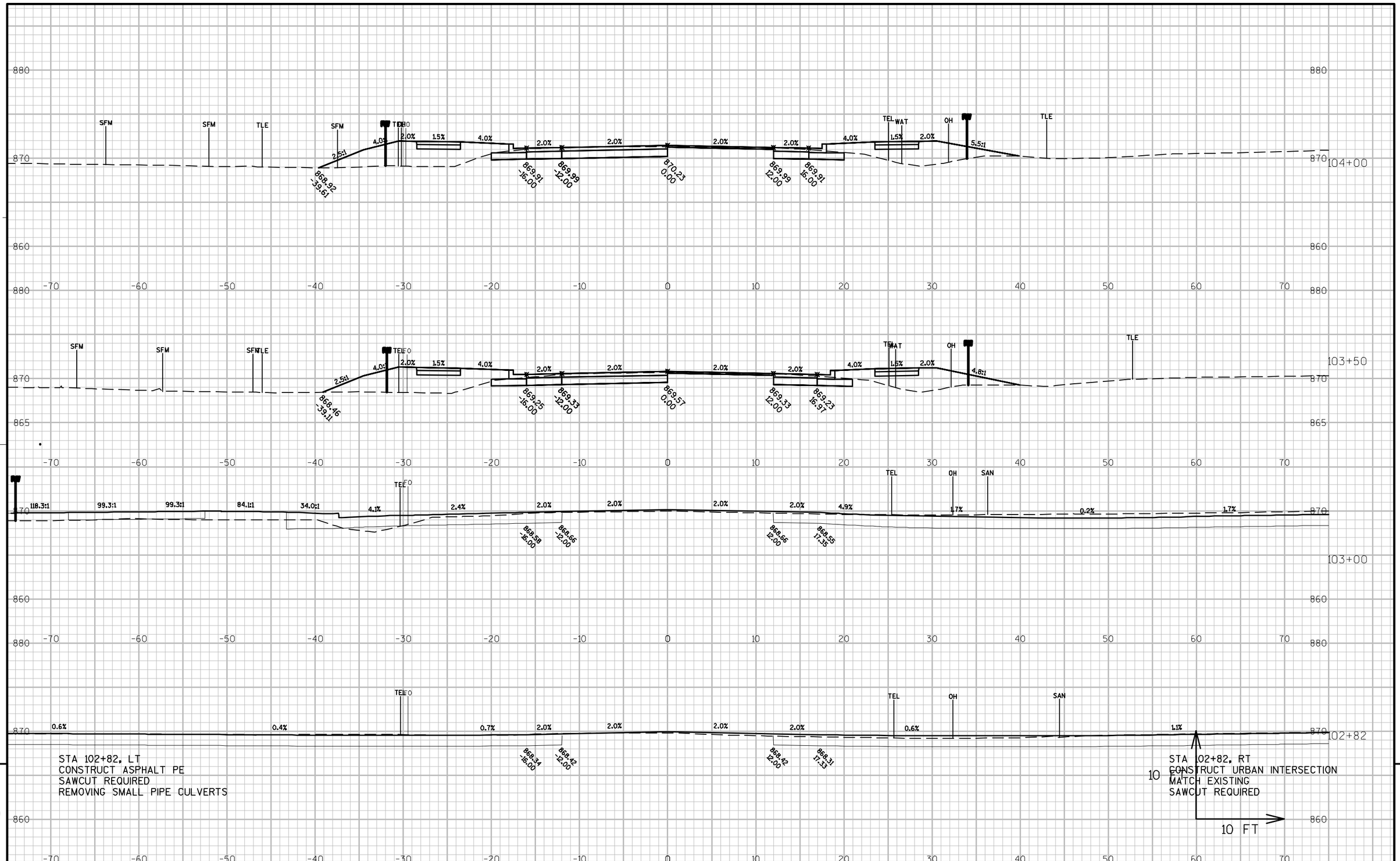

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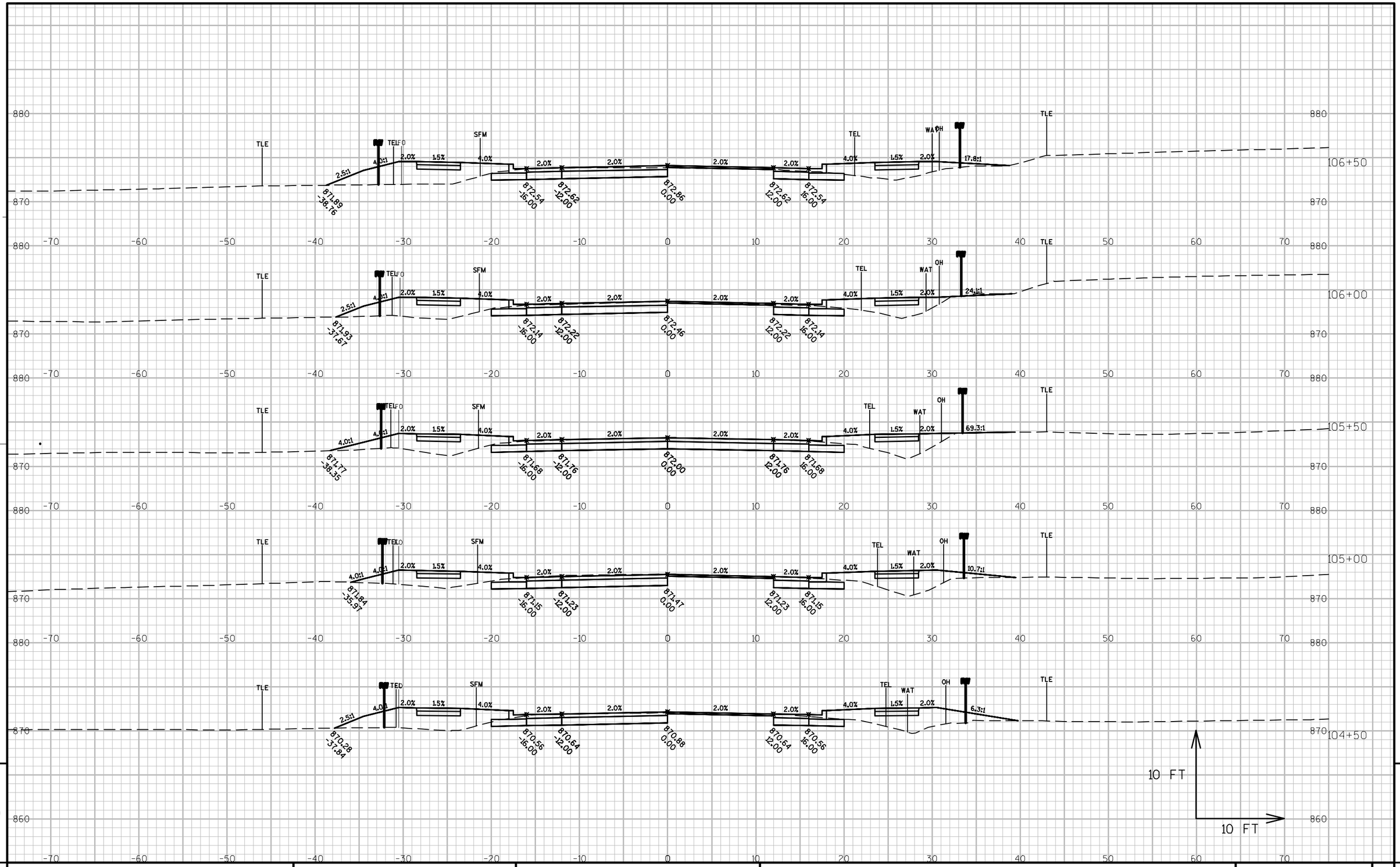
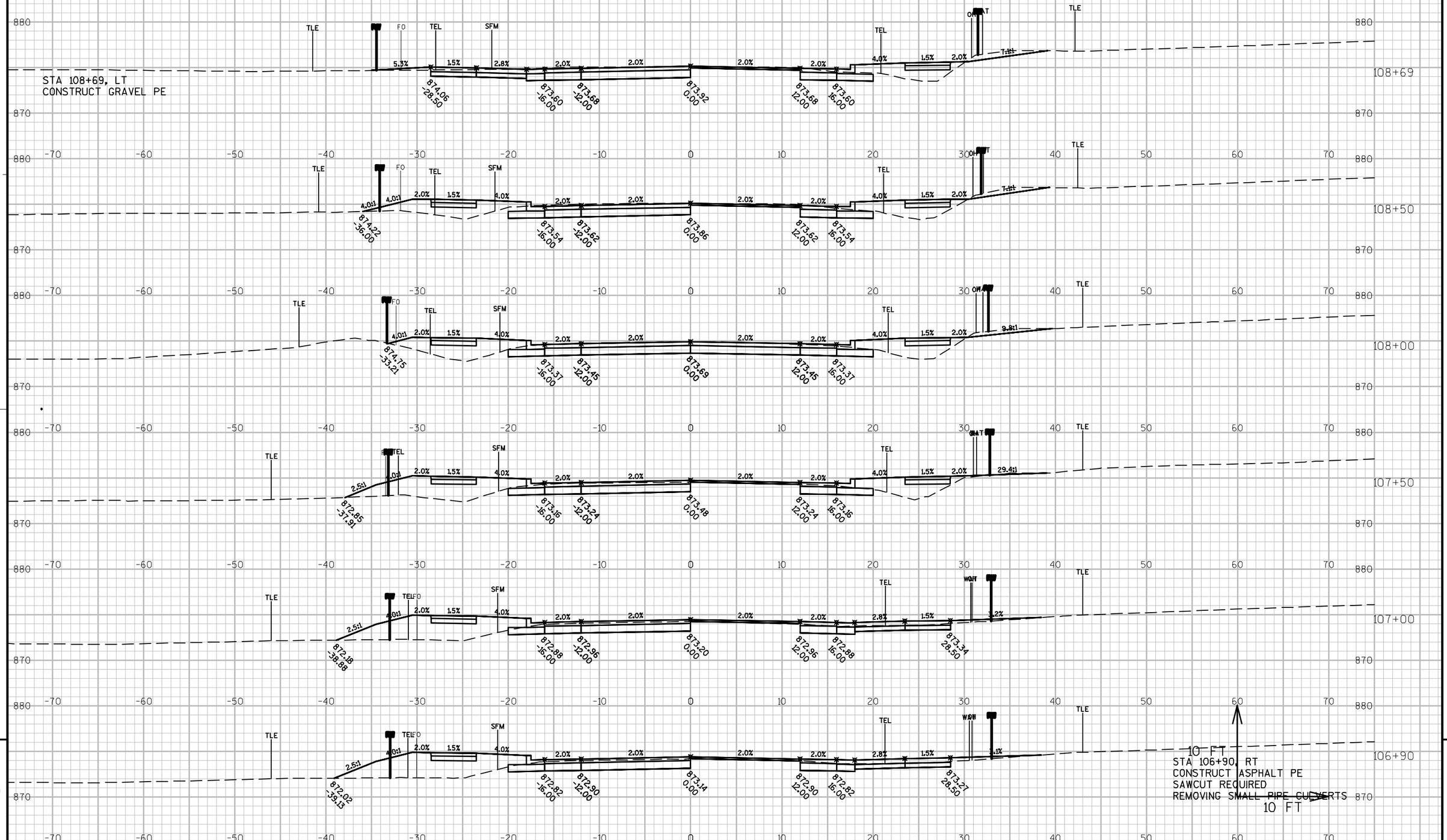


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

STA 108+69, LT
CONSTRUCT GRAVEL PE



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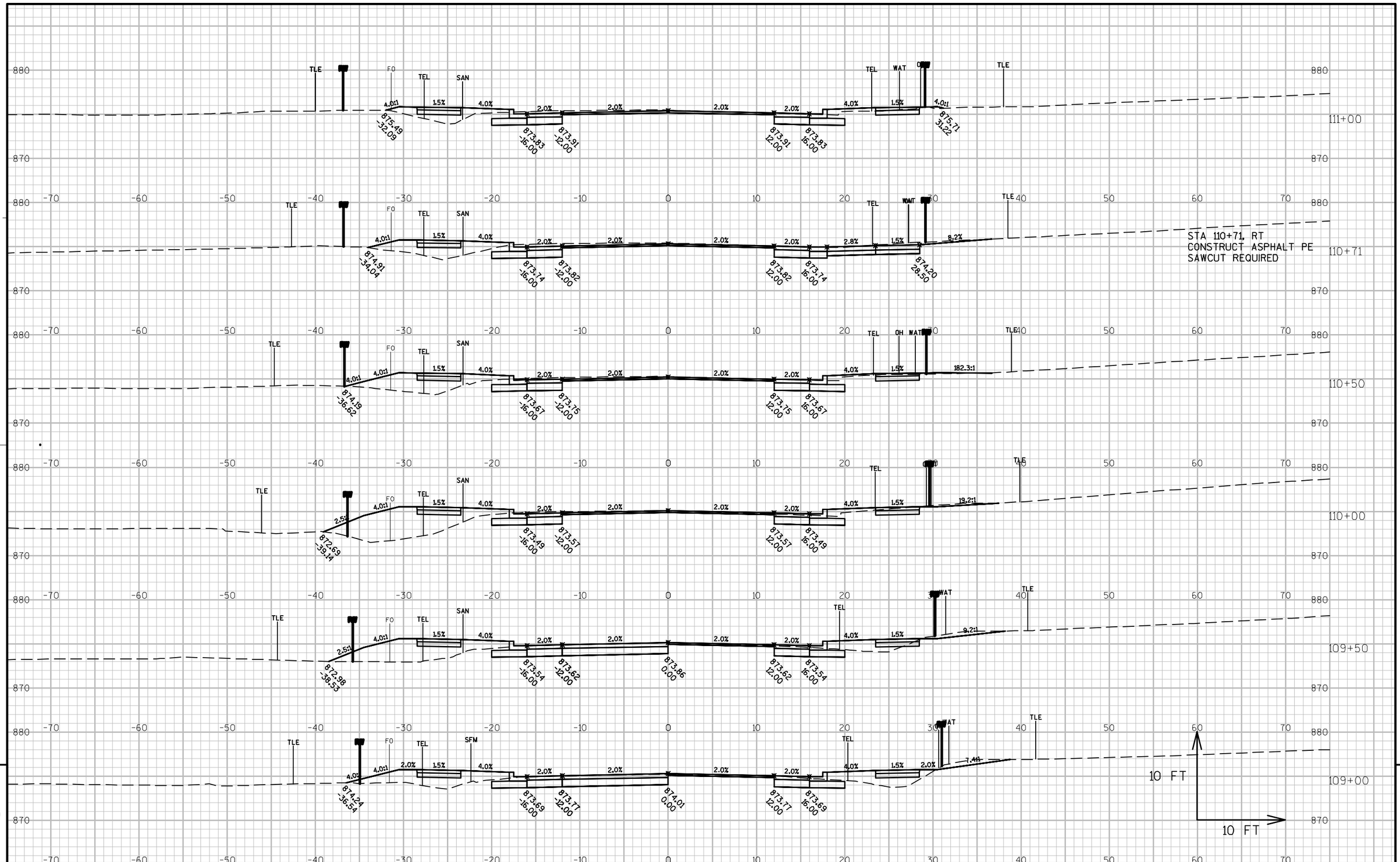


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

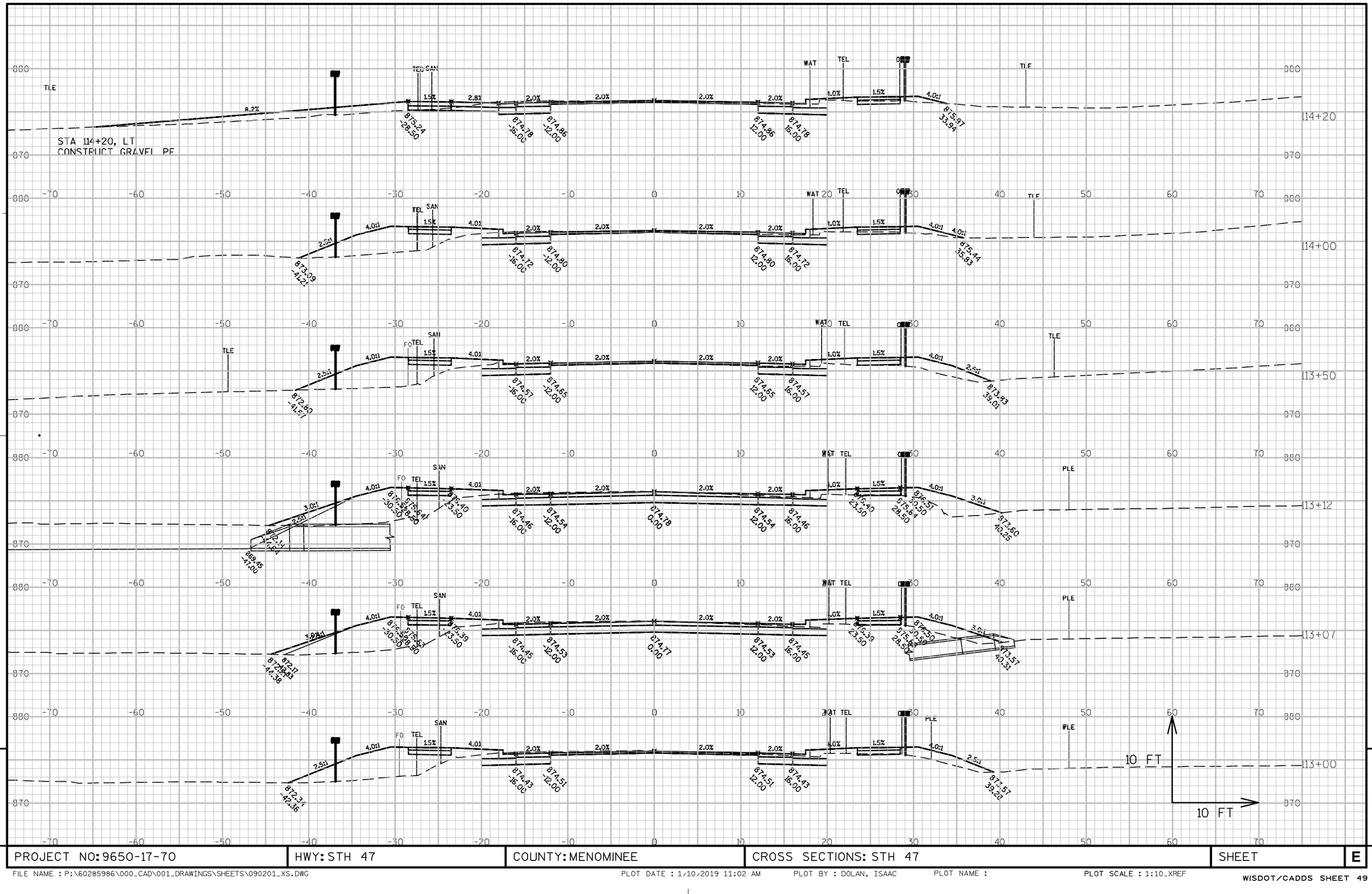
STA 112+32, LT
CONSTRUCT GRAVEL PE

STA 112+20, RT
CONSTRUCT URBAN INTERSECTION
MATCH EXISTING
SAWCUT REQUIRED

STA 111+31, RT
CONSTRUCT ASPHALT PE
SAWCUT REQUIRED

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090201_XS.DWG PLOT DATE : 1/10/2019 11:02 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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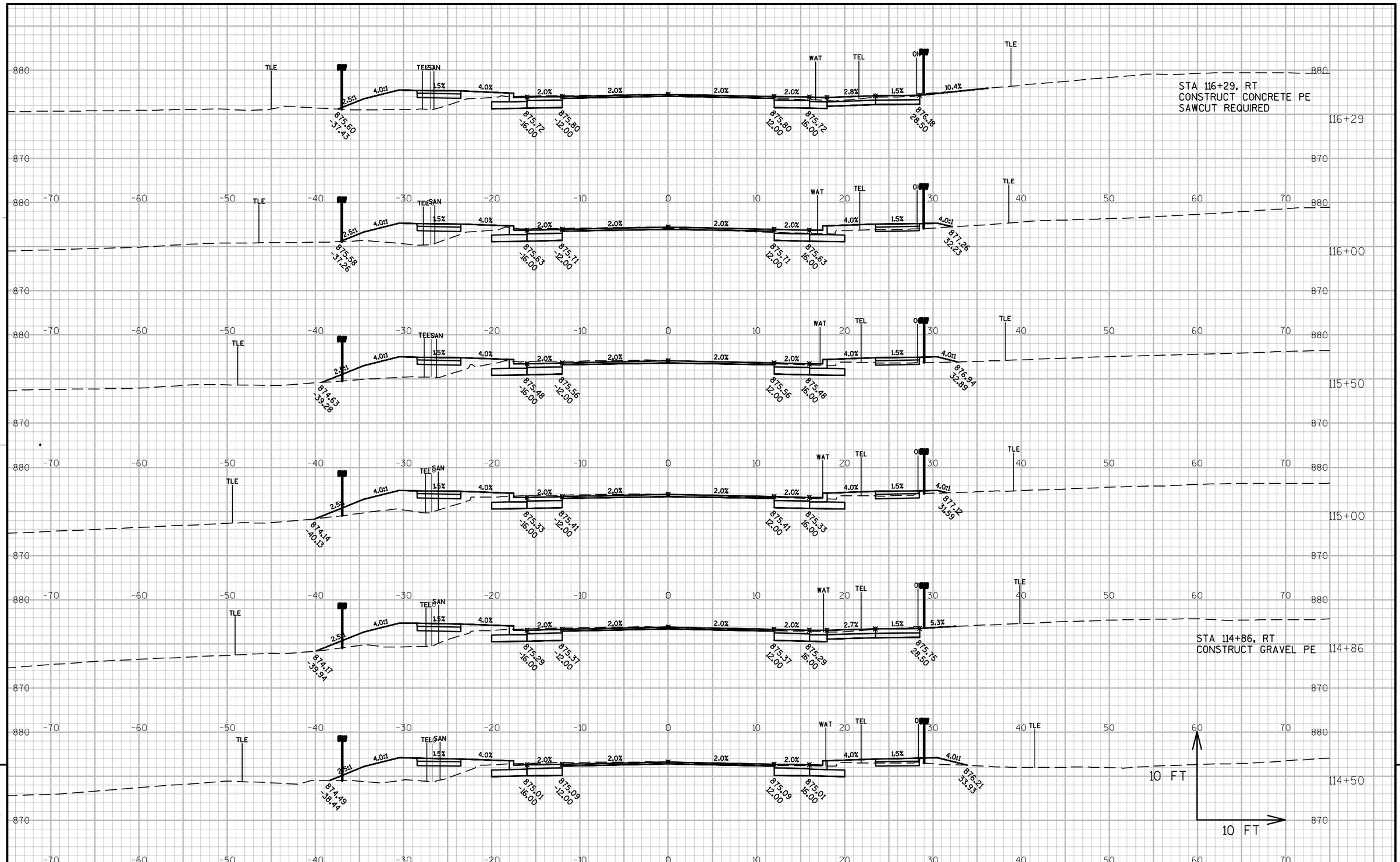
WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

STA 117+80, RT
CONSTRUCT GRAVEL PE

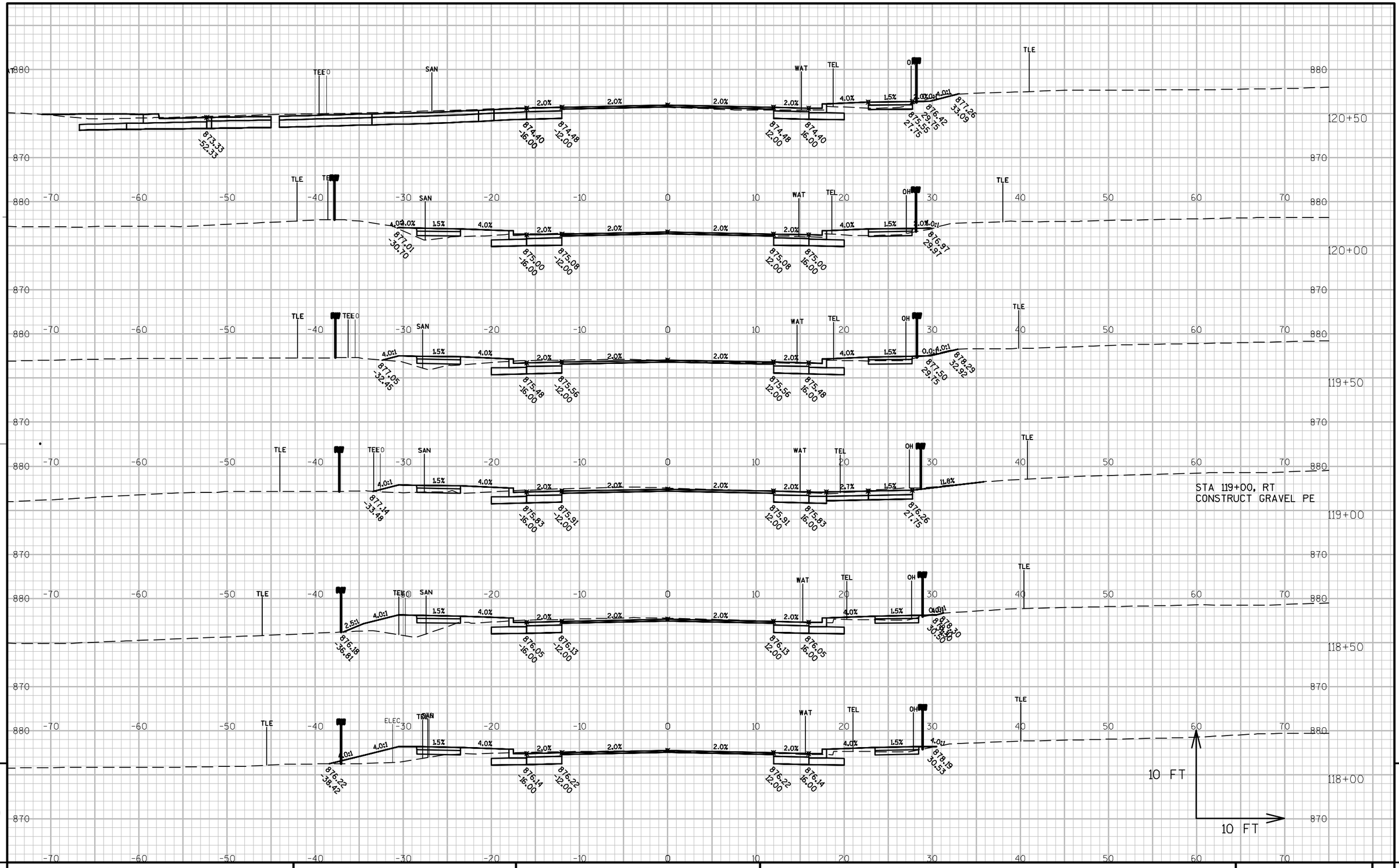
STA 117+27, LT
CONSTRUCT GRAVEL PE

STA 116+76, RT
CONSTRUCT FE

10 FT
10 FT

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090201_XS.DWG PLOT DATE : 1/10/2019 11:02 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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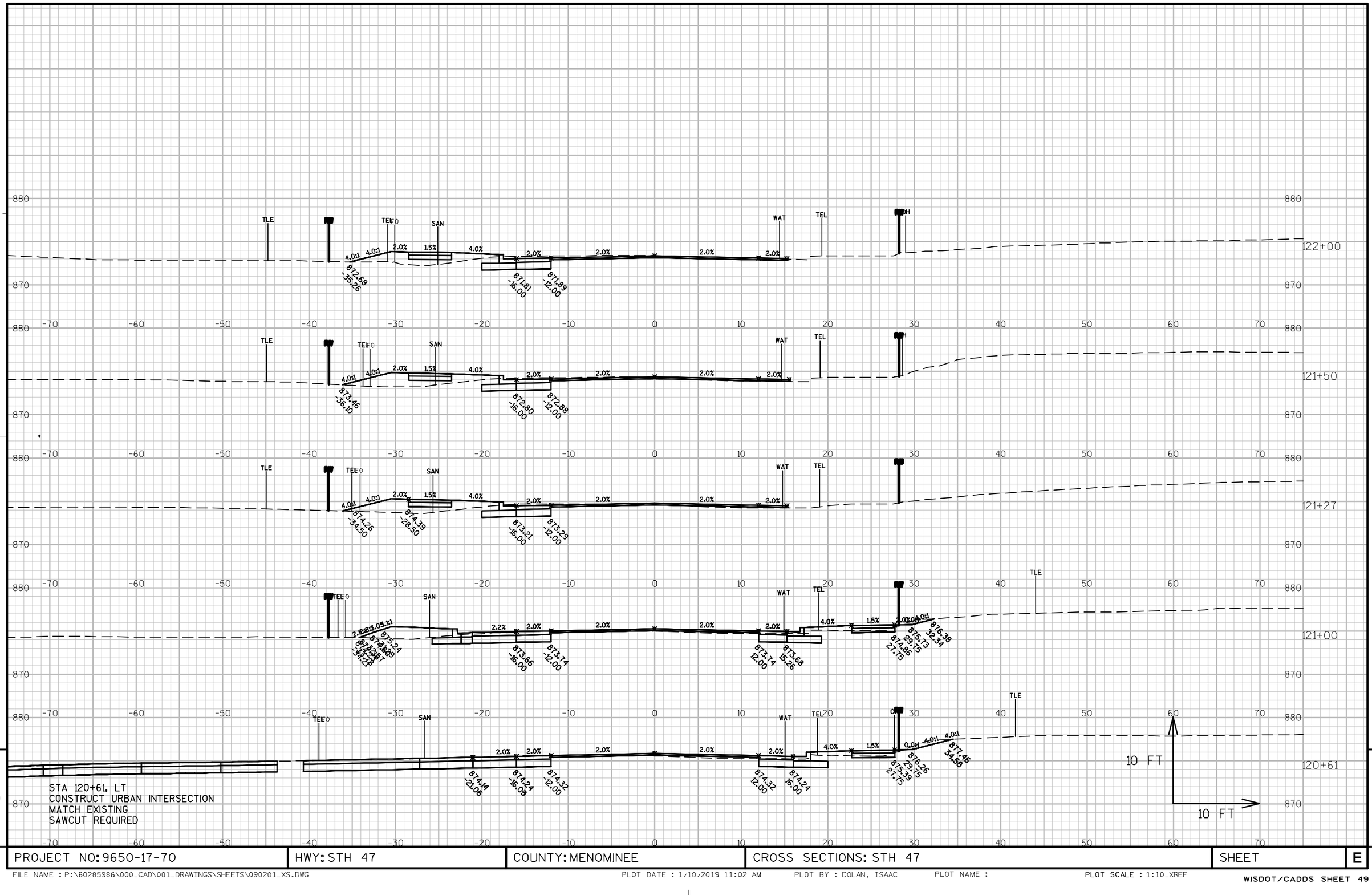
WISDOT/CADDS SHEET 49



STA 120+61, LT
CONSTRUCT URBAN INTERSECTION
MATCH EXISTING
SAWCUT REQUIRED

9

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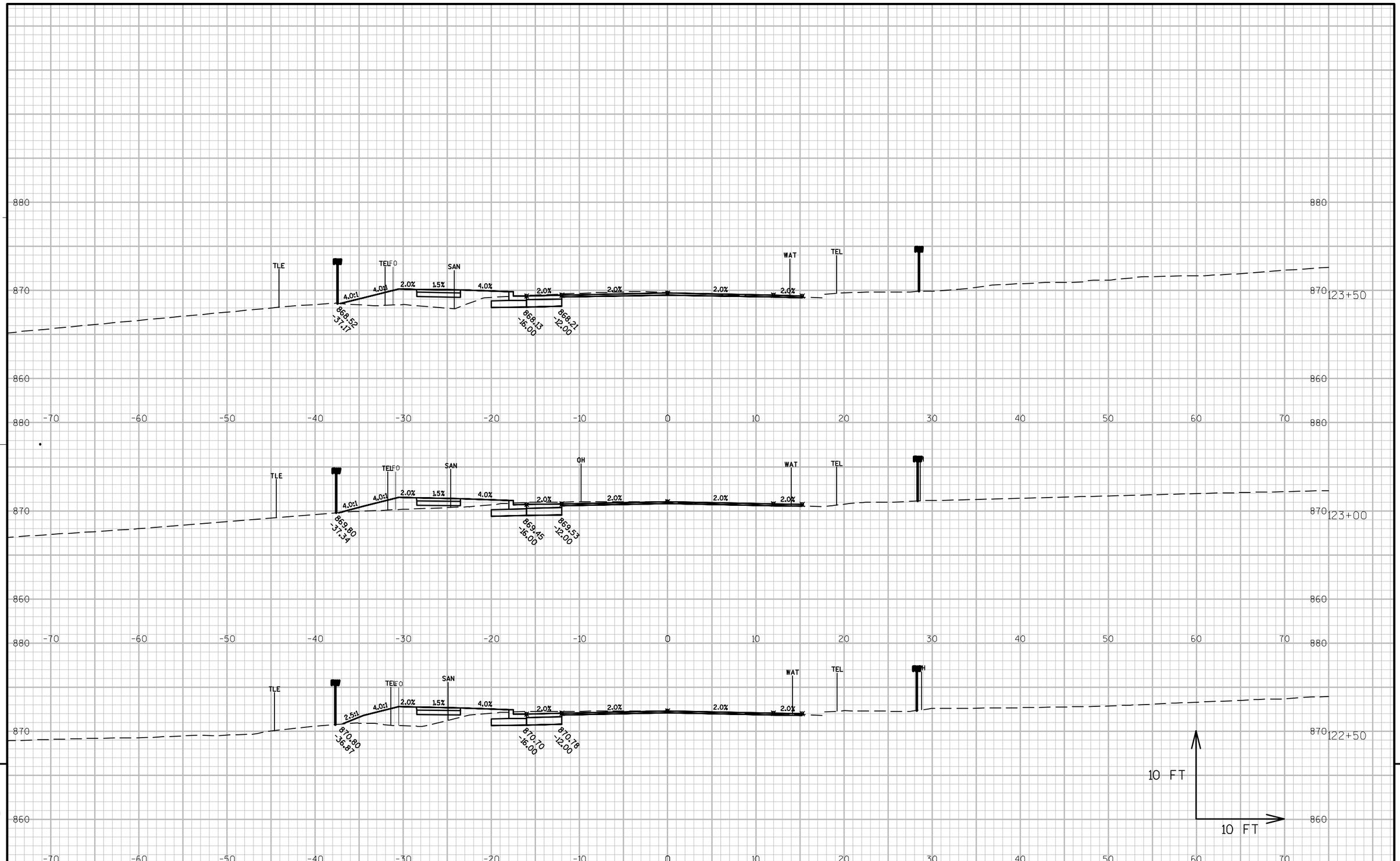
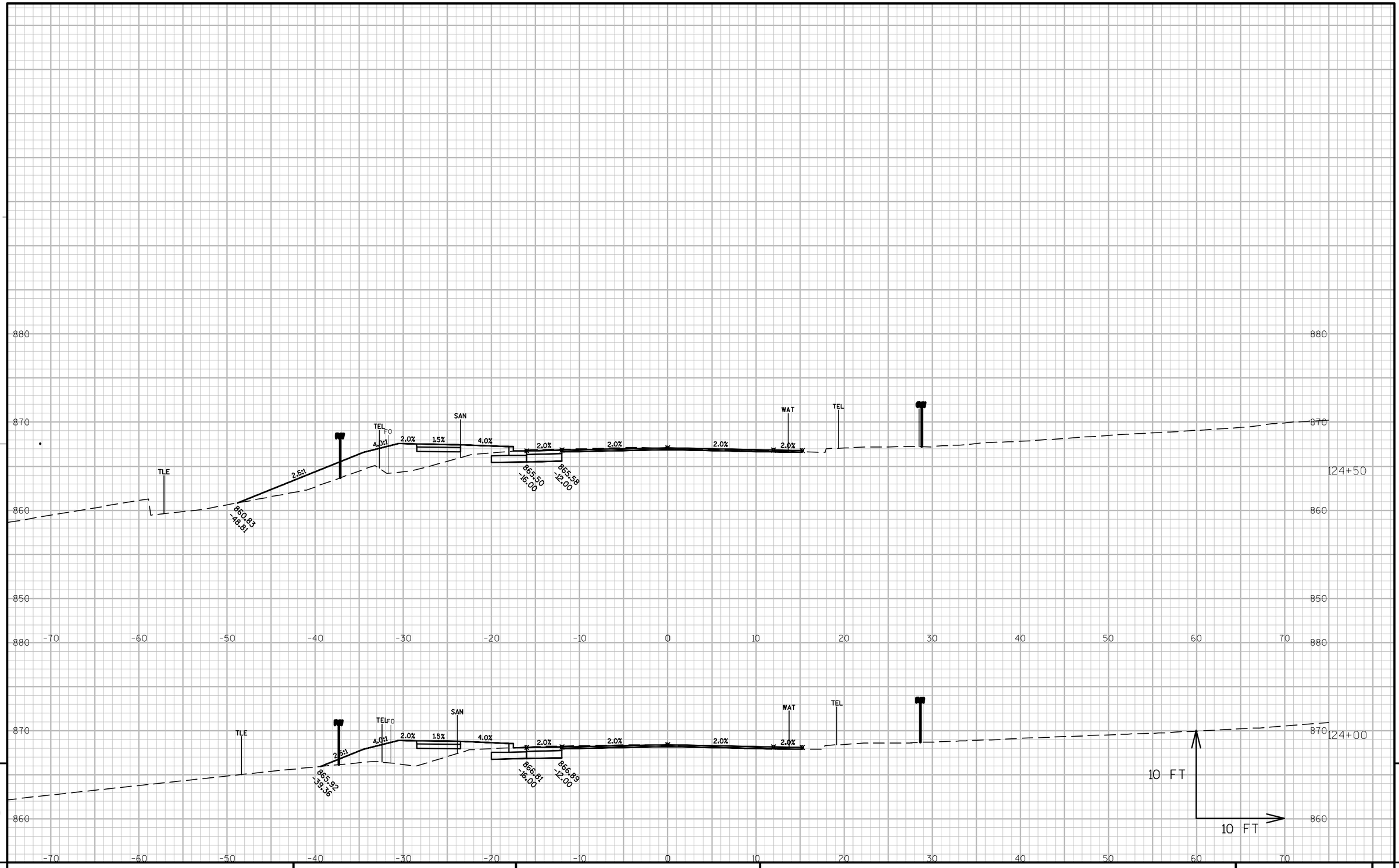
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090201_XS.DWG PLOT DATE : 1/10/2019 11:02 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090201_XS.DWG PLOT DATE : 1/10/2019 11:02 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



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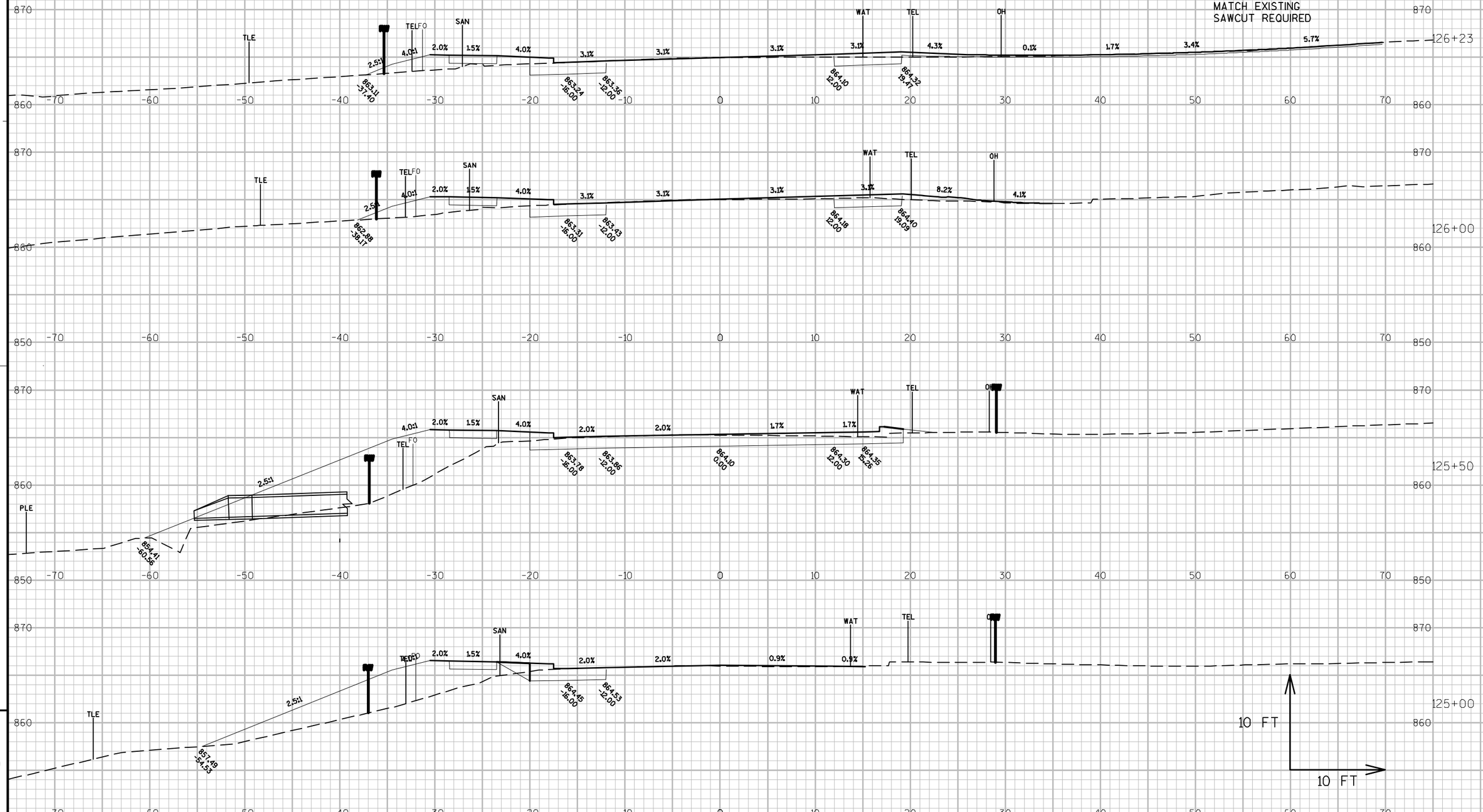
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090201_XS.DWG PLOT DATE : 1/10/2019 11:03 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

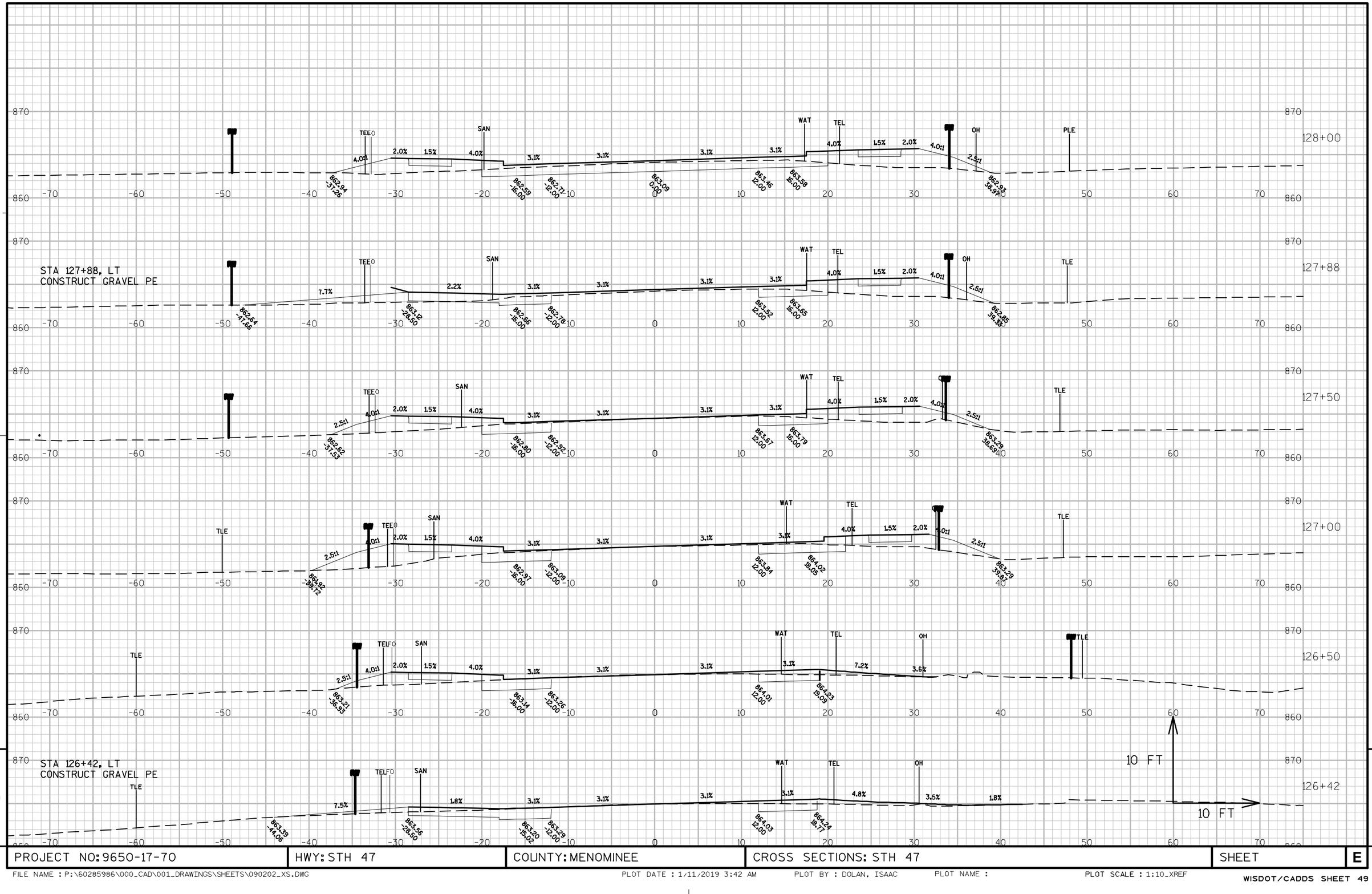
STA 126+23, RT
CONSTRUCT URBAN INTERSECTION
MATCH EXISTING
SAWCUT REQUIRED



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:42 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

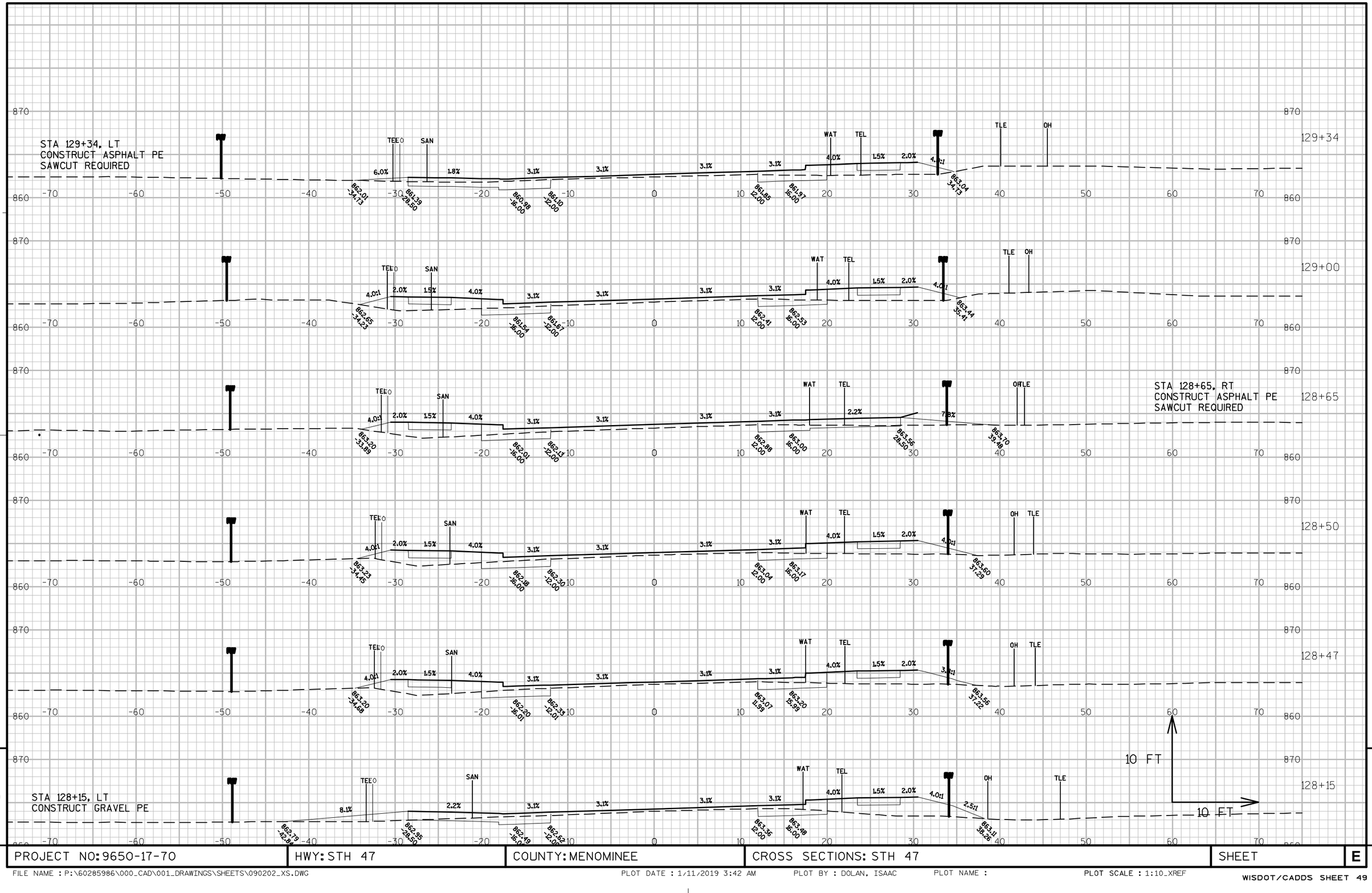
WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:42 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:42 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

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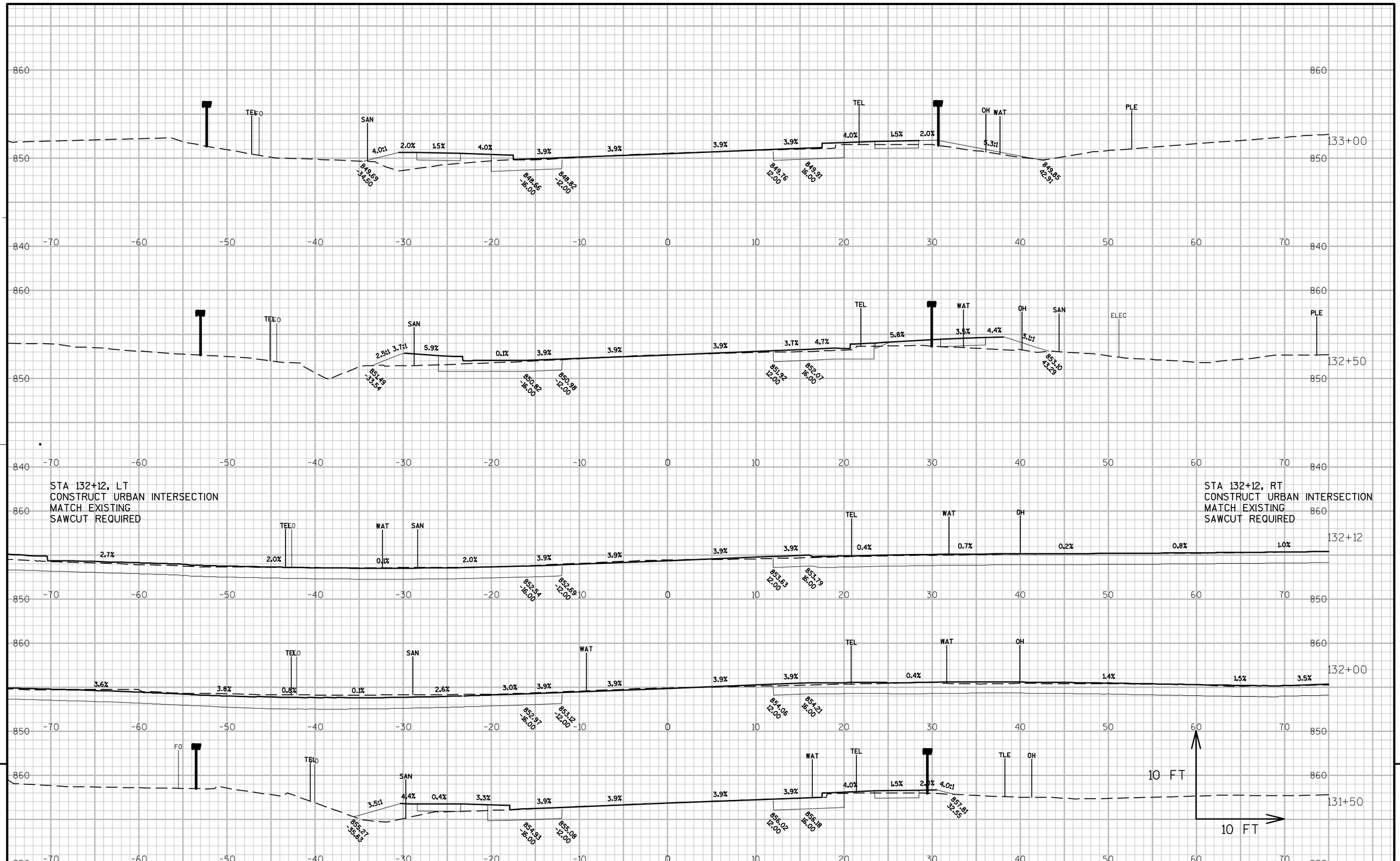
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

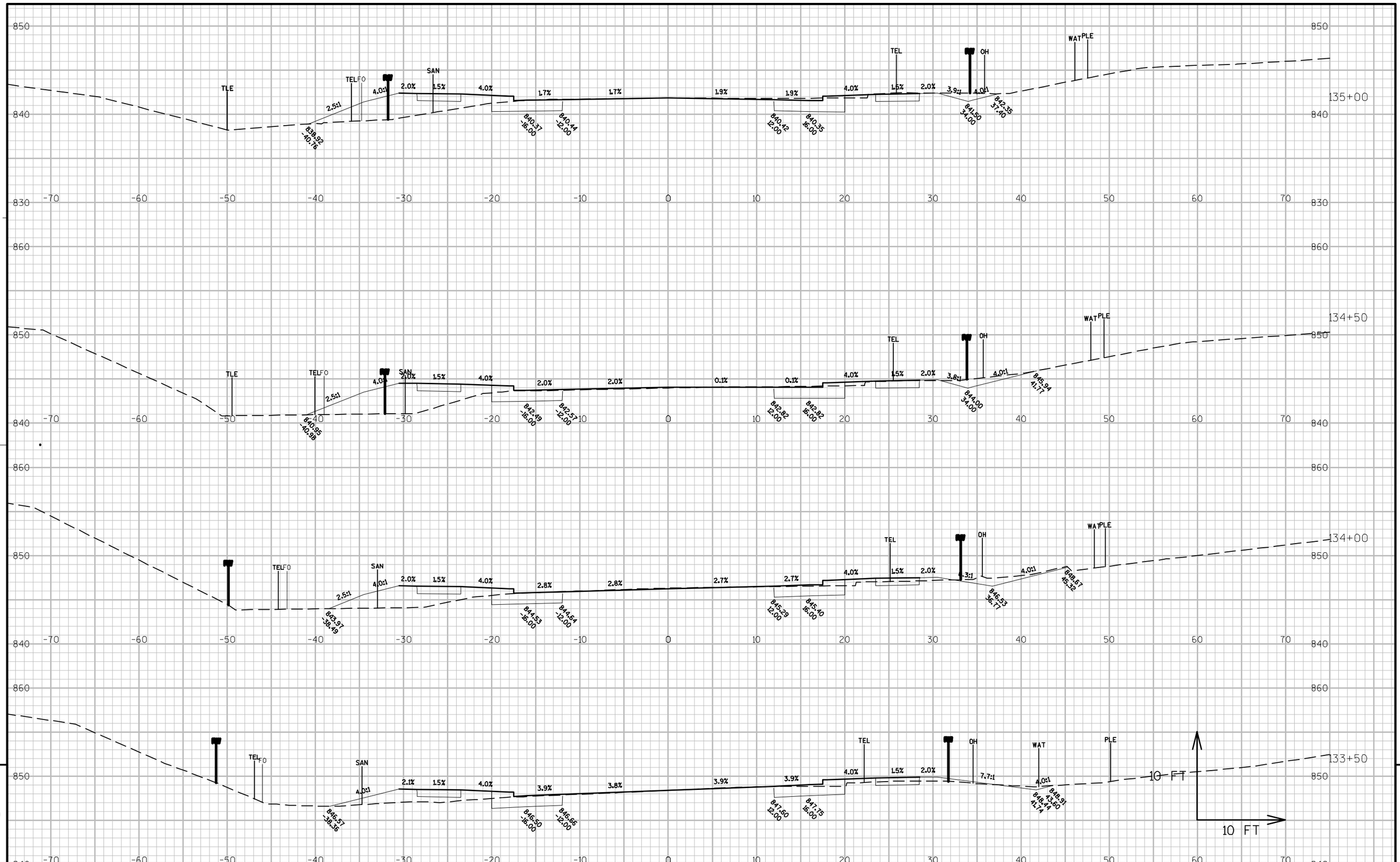
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:43 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

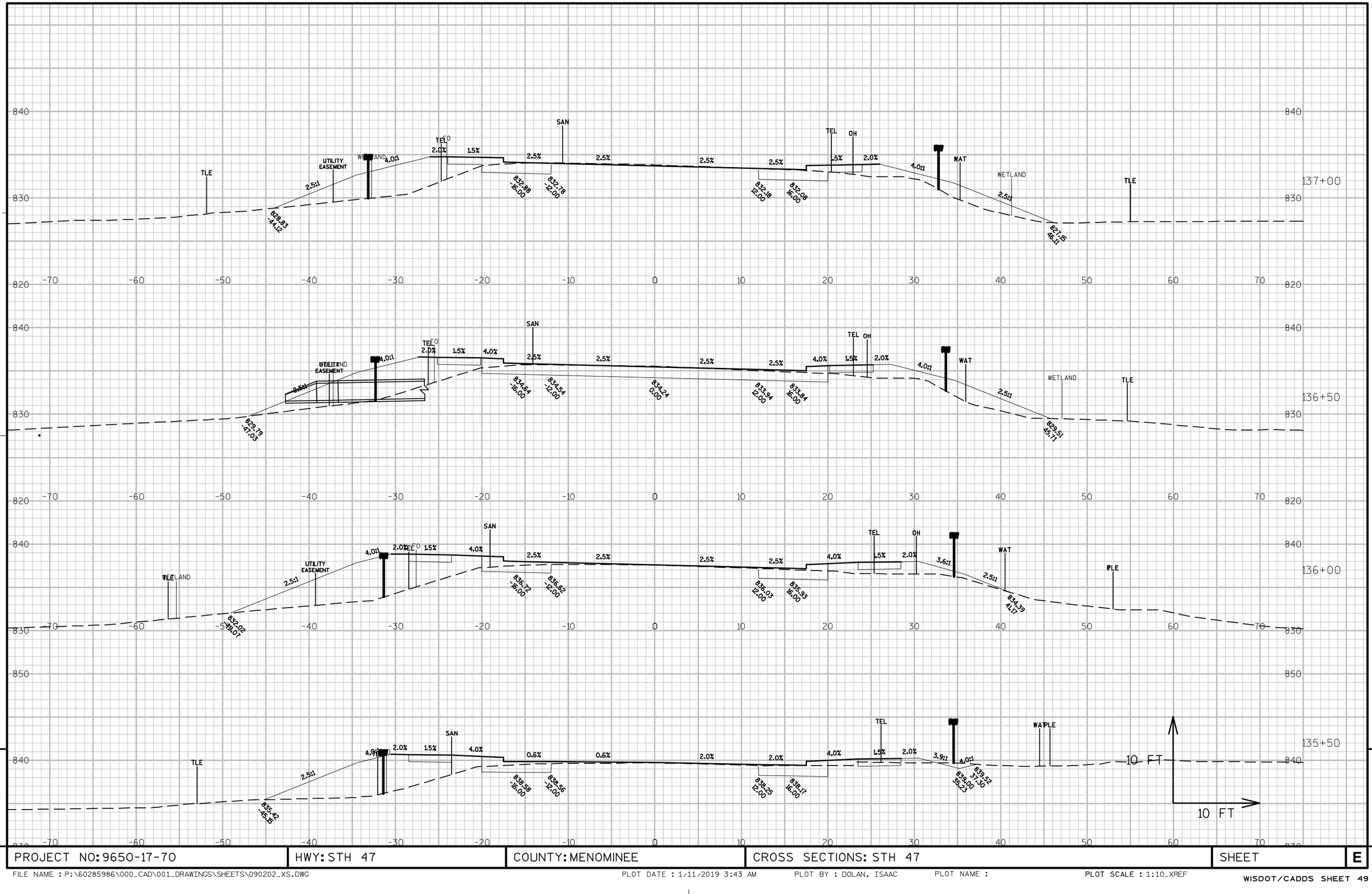
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:43 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

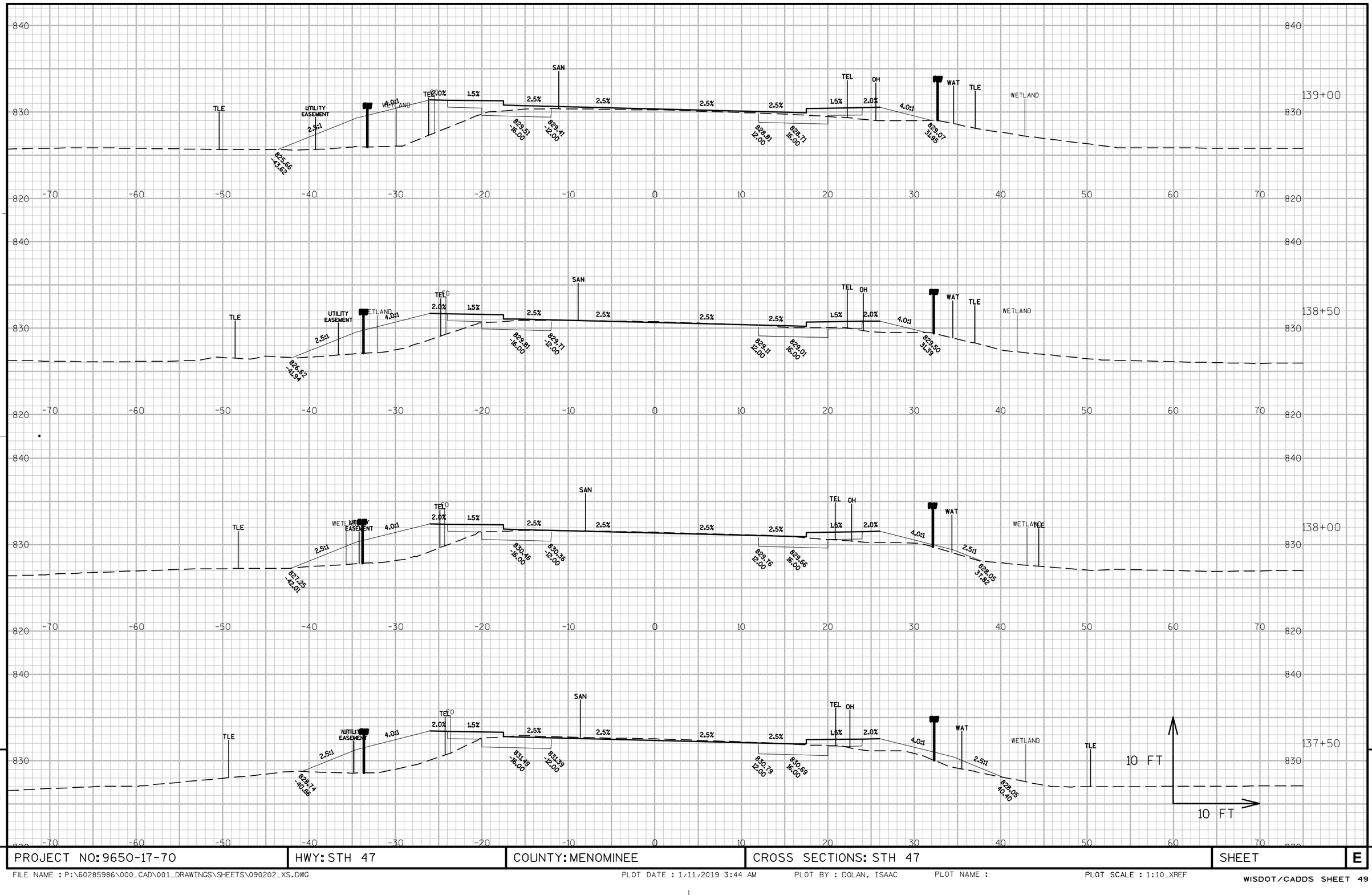
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:43 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:43 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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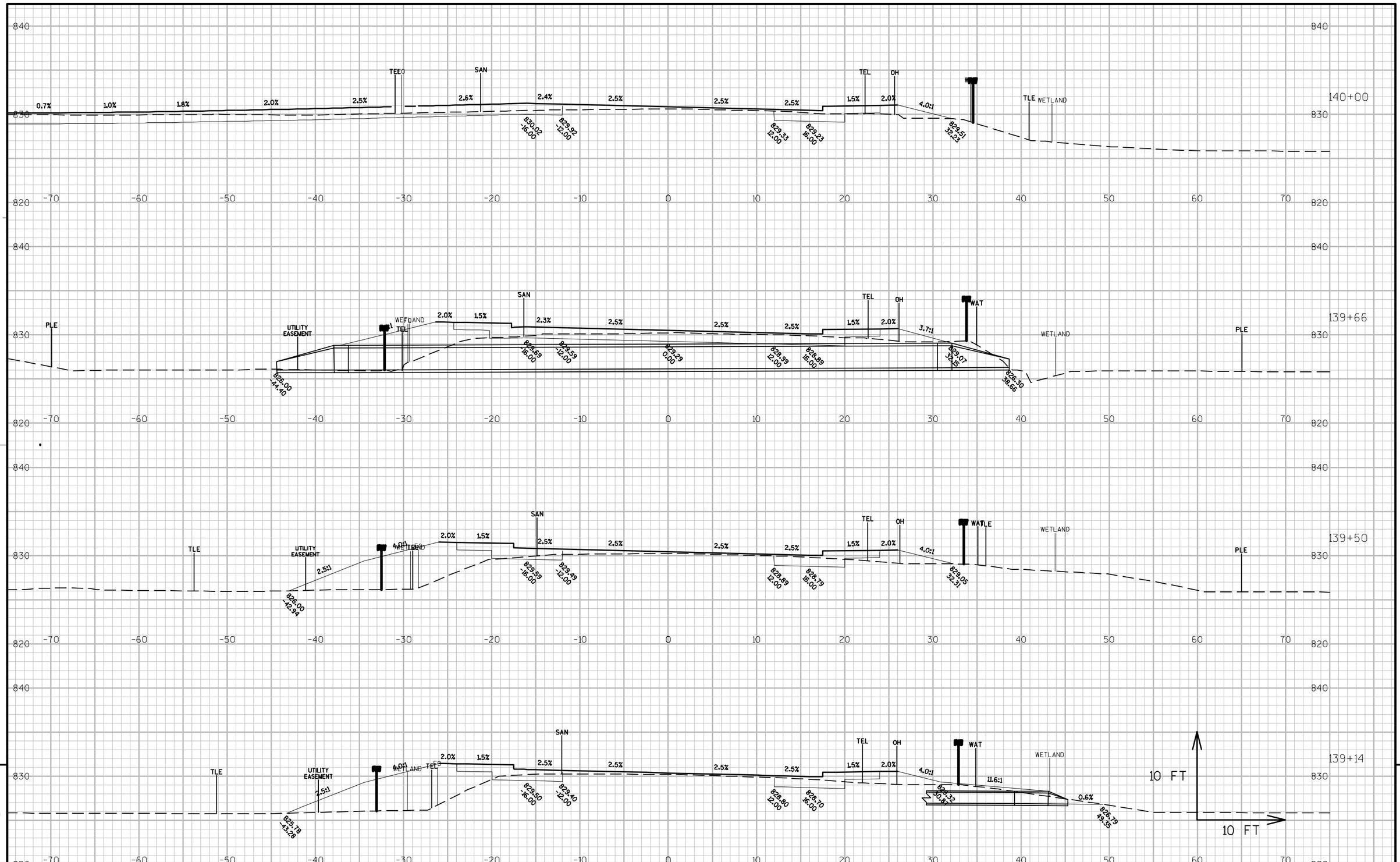
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



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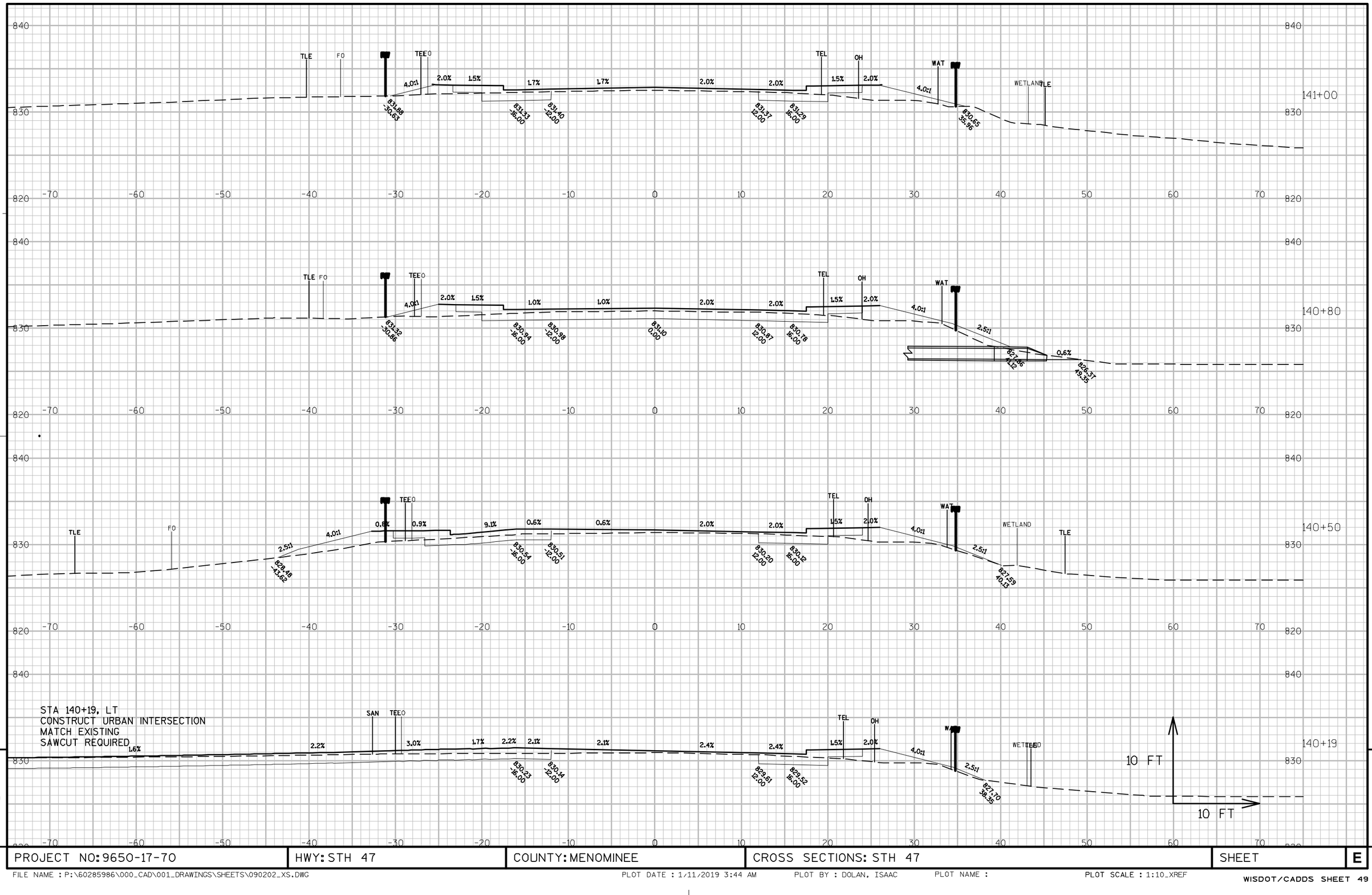
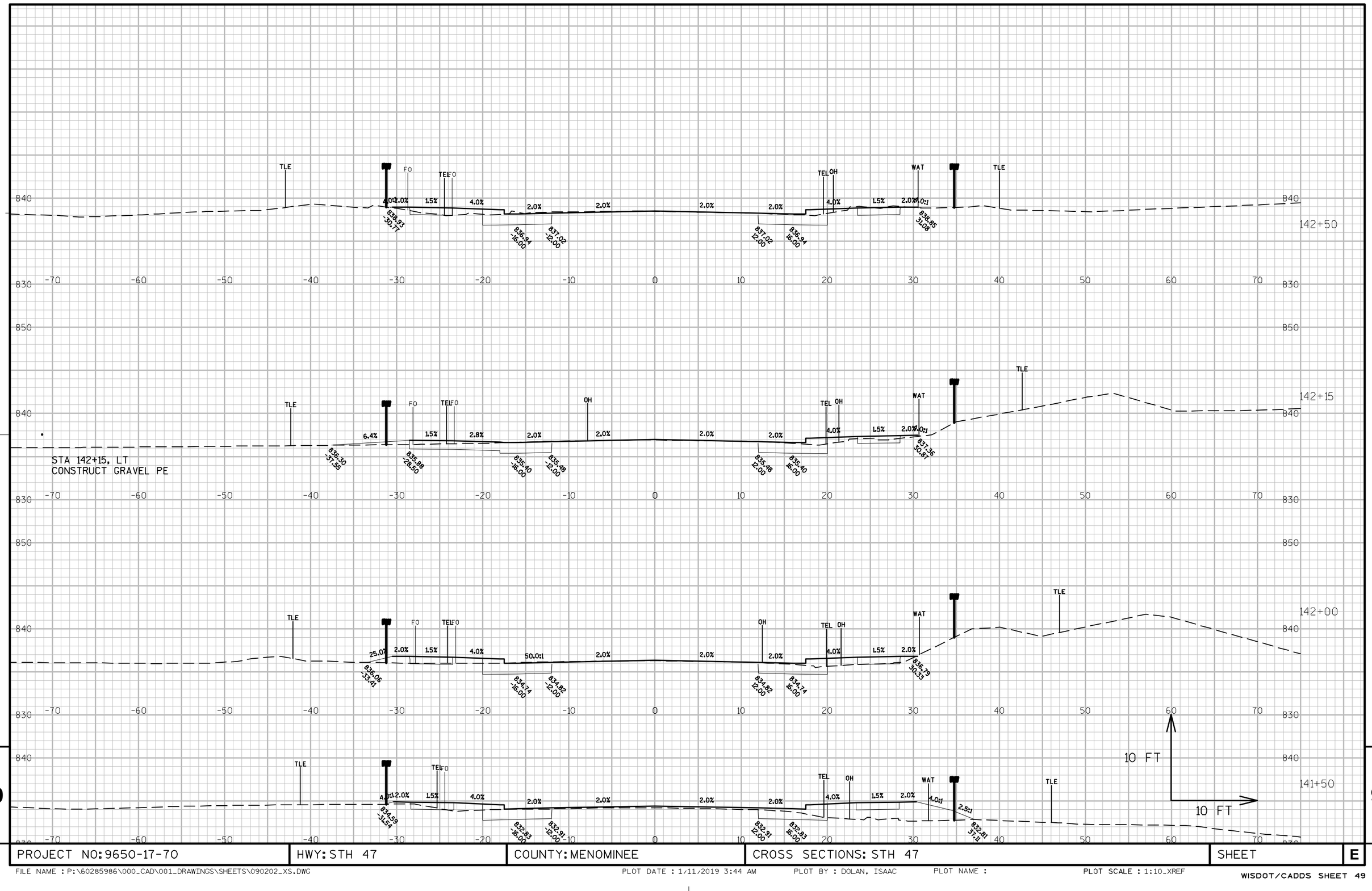
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

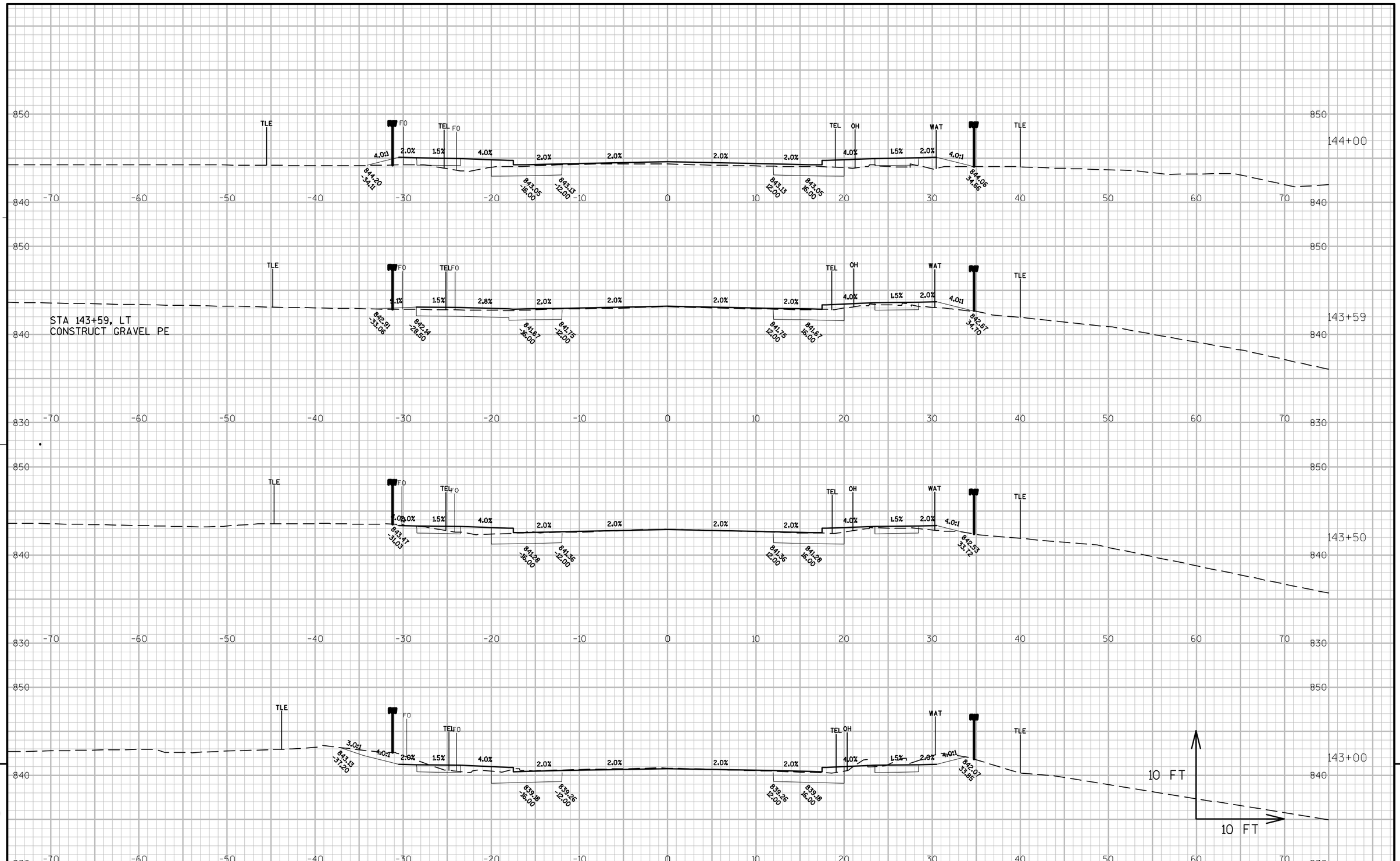
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:44 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

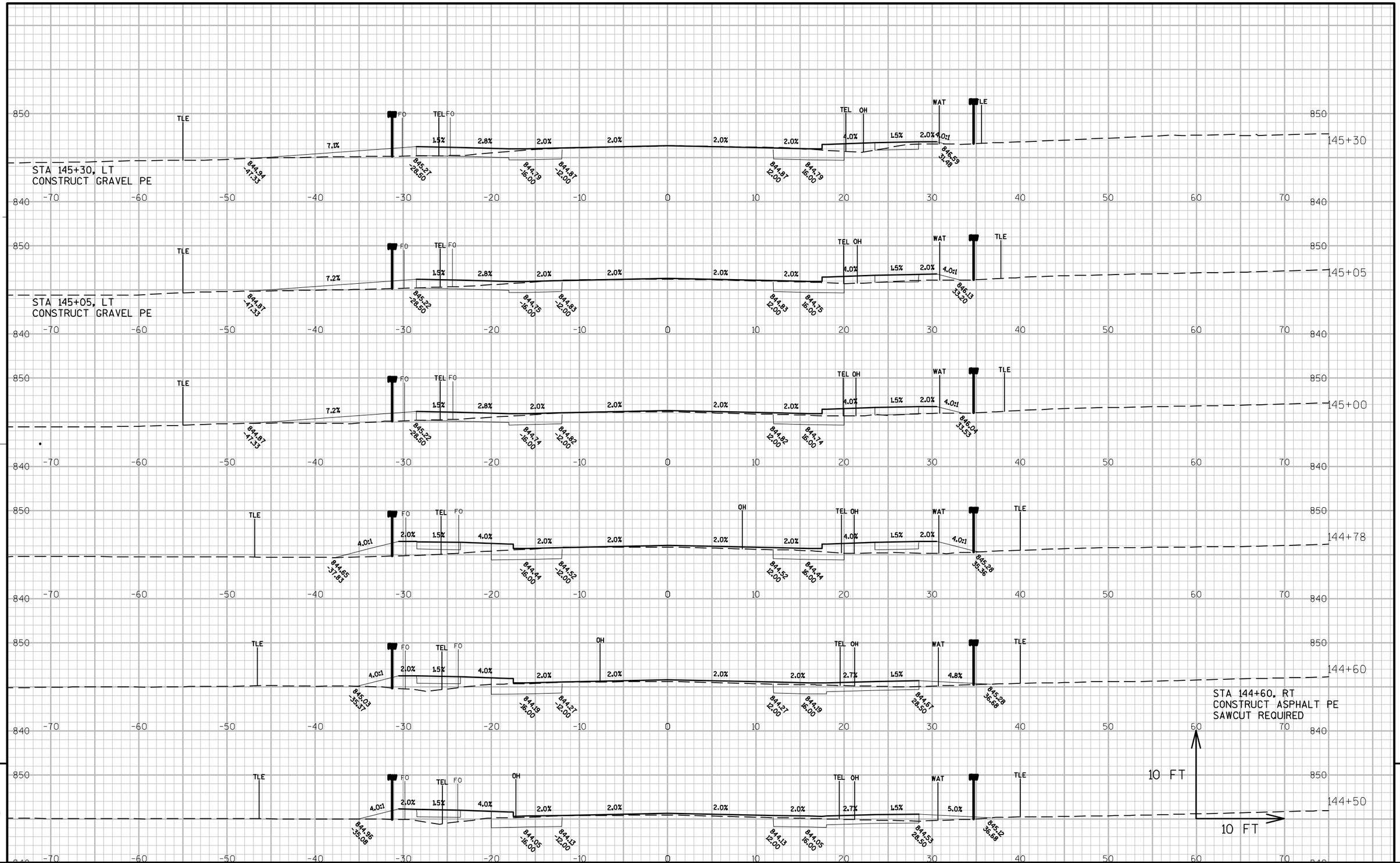
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:44 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



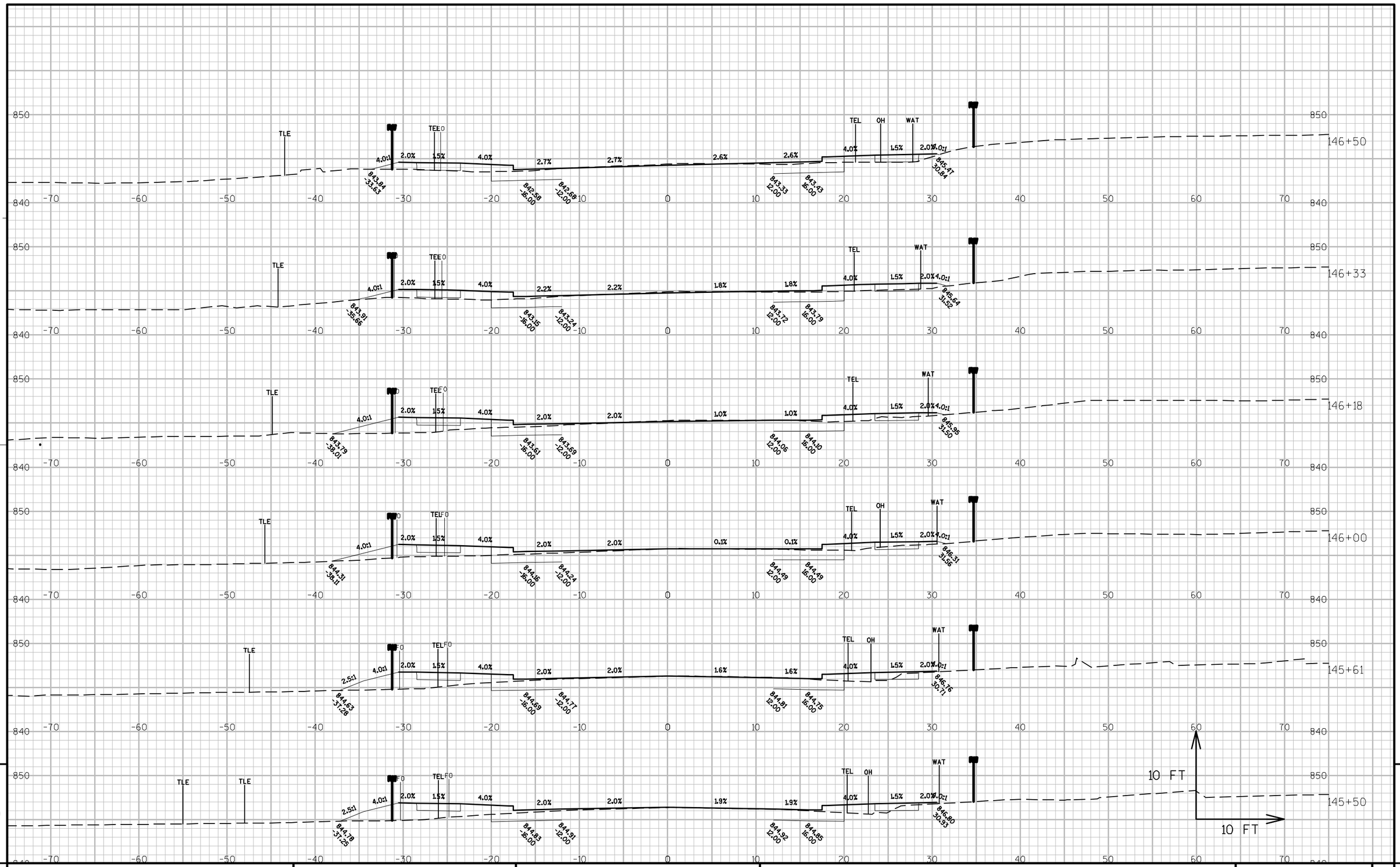
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:44 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

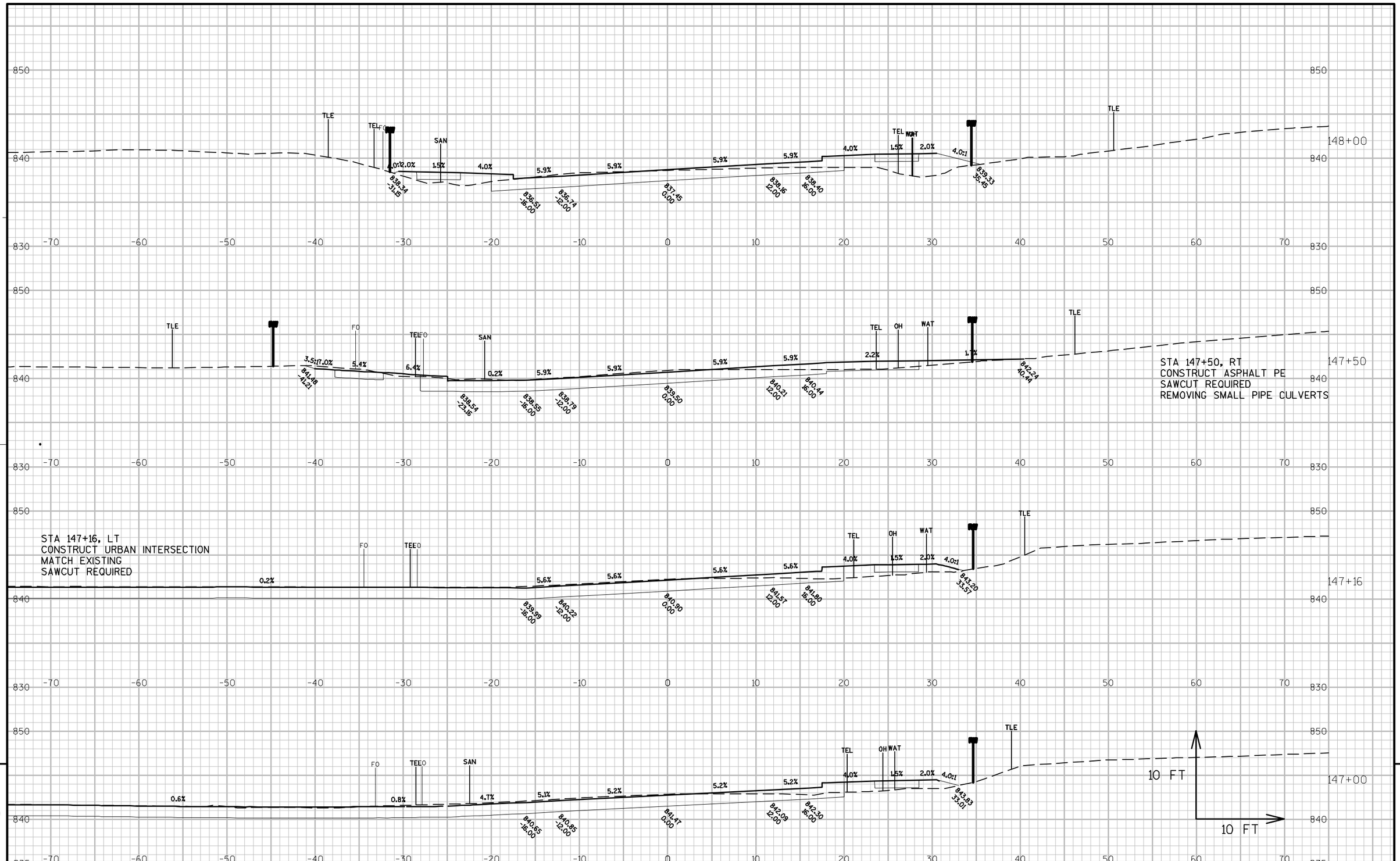


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:45 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

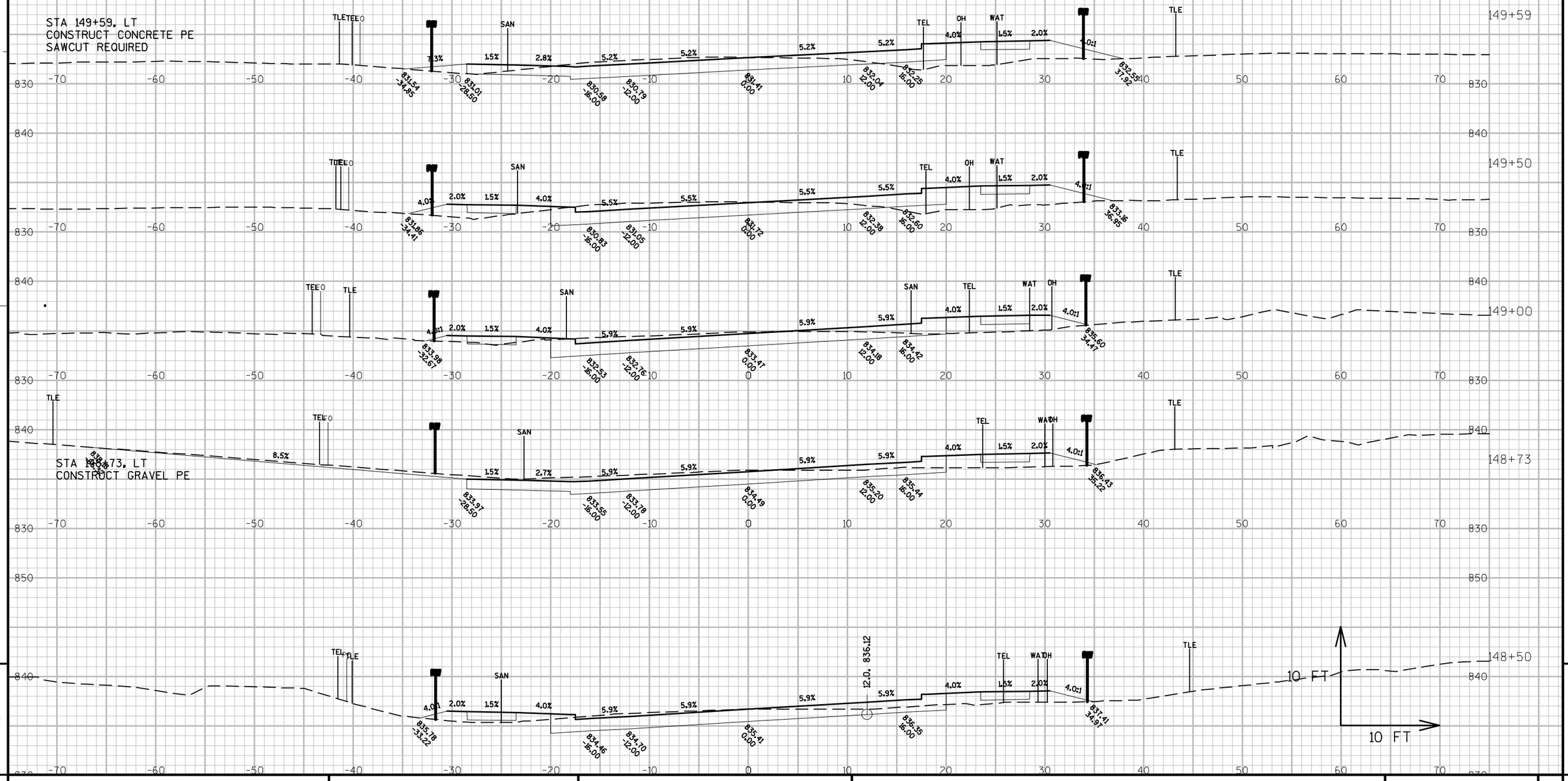


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:45 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

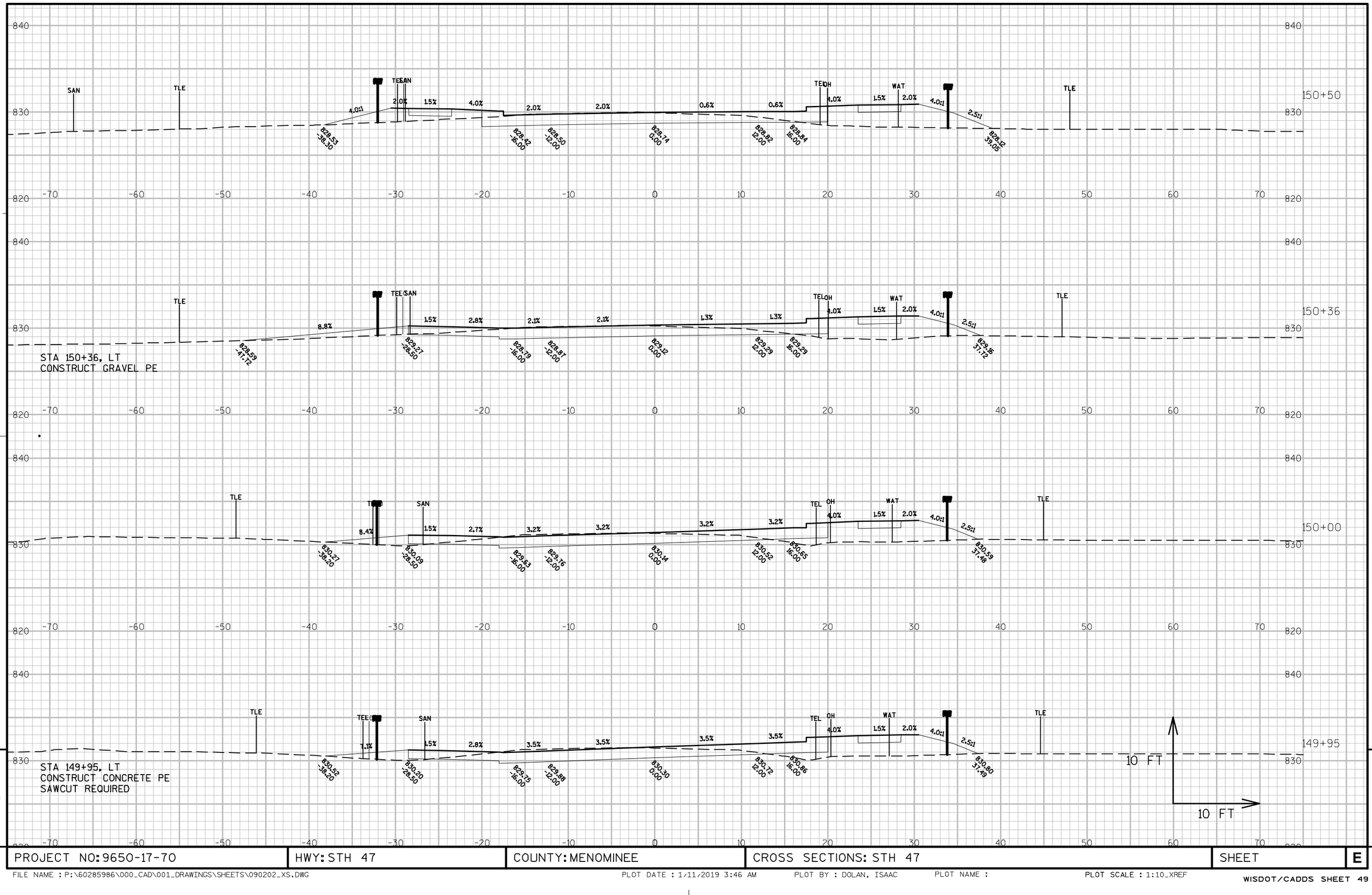
WISDOT/CADDS SHEET 49

STA 149+59, LT
CONSTRUCT CONCRETE PE
SAWCUT REQUIRED



STA 148+73, LT
CONSTRUCT GRAVEL PE

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET E



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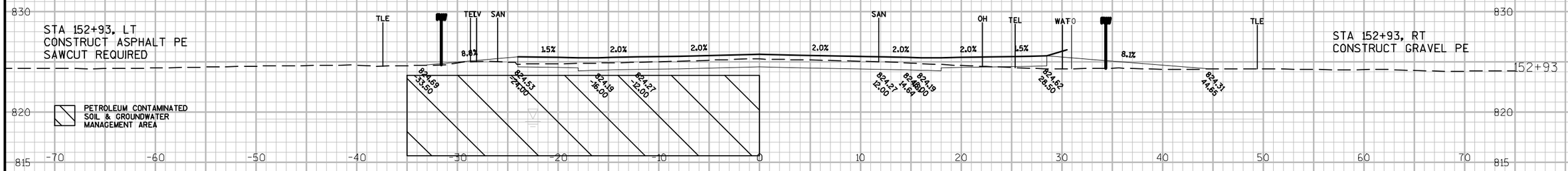
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:46 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

STA 152+93, LT
CONSTRUCT ASPHALT PE
SAWCUT REQUIRED

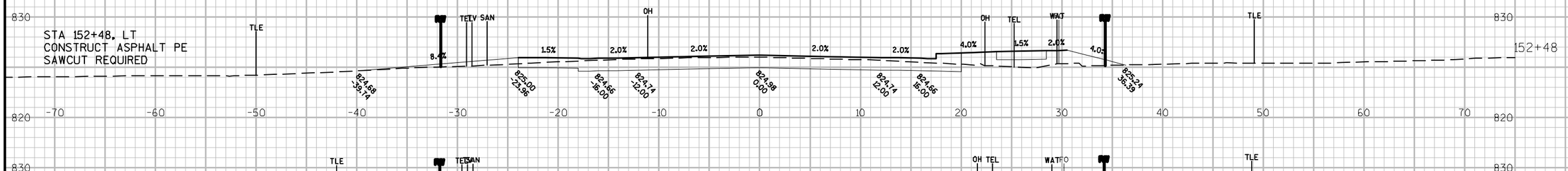
PETROLEUM CONTAMINATED SOIL & GROUNDWATER MANAGEMENT AREA



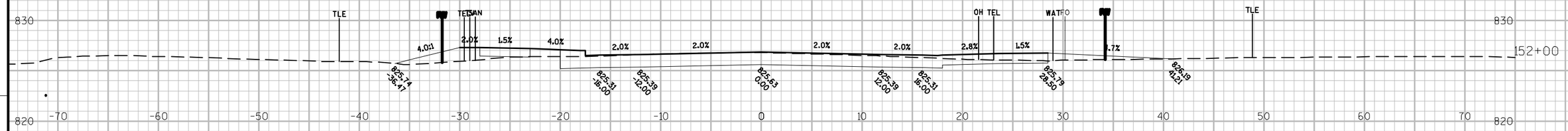
STA 152+93, RT
CONSTRUCT GRAVEL PE

152+93

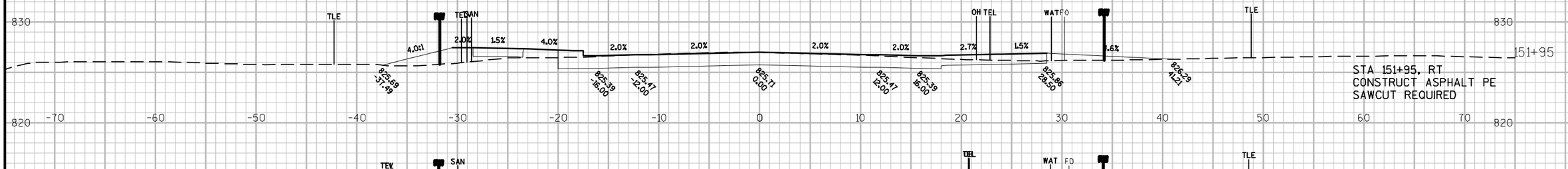
STA 152+48, LT
CONSTRUCT ASPHALT PE
SAWCUT REQUIRED



152+48

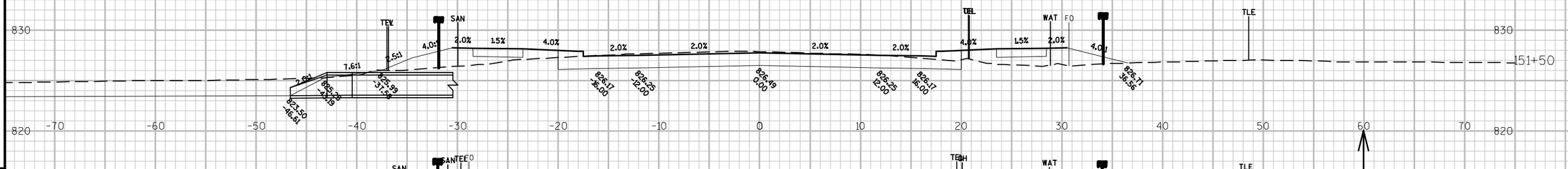


152+00

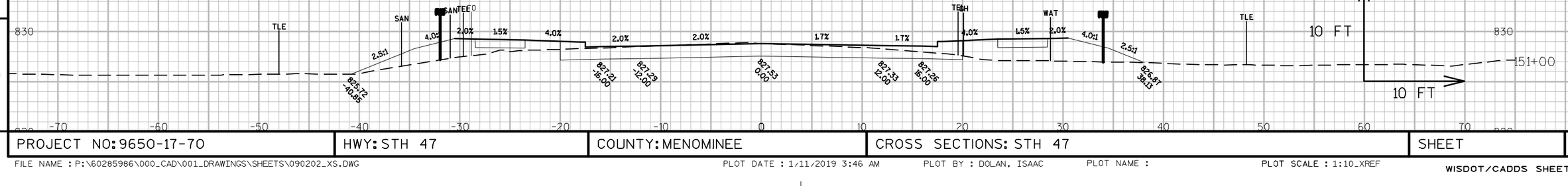


151+95

STA 151+95, RT
CONSTRUCT ASPHALT PE
SAWCUT REQUIRED



151+50



151+00

10 FT
10 FT

9

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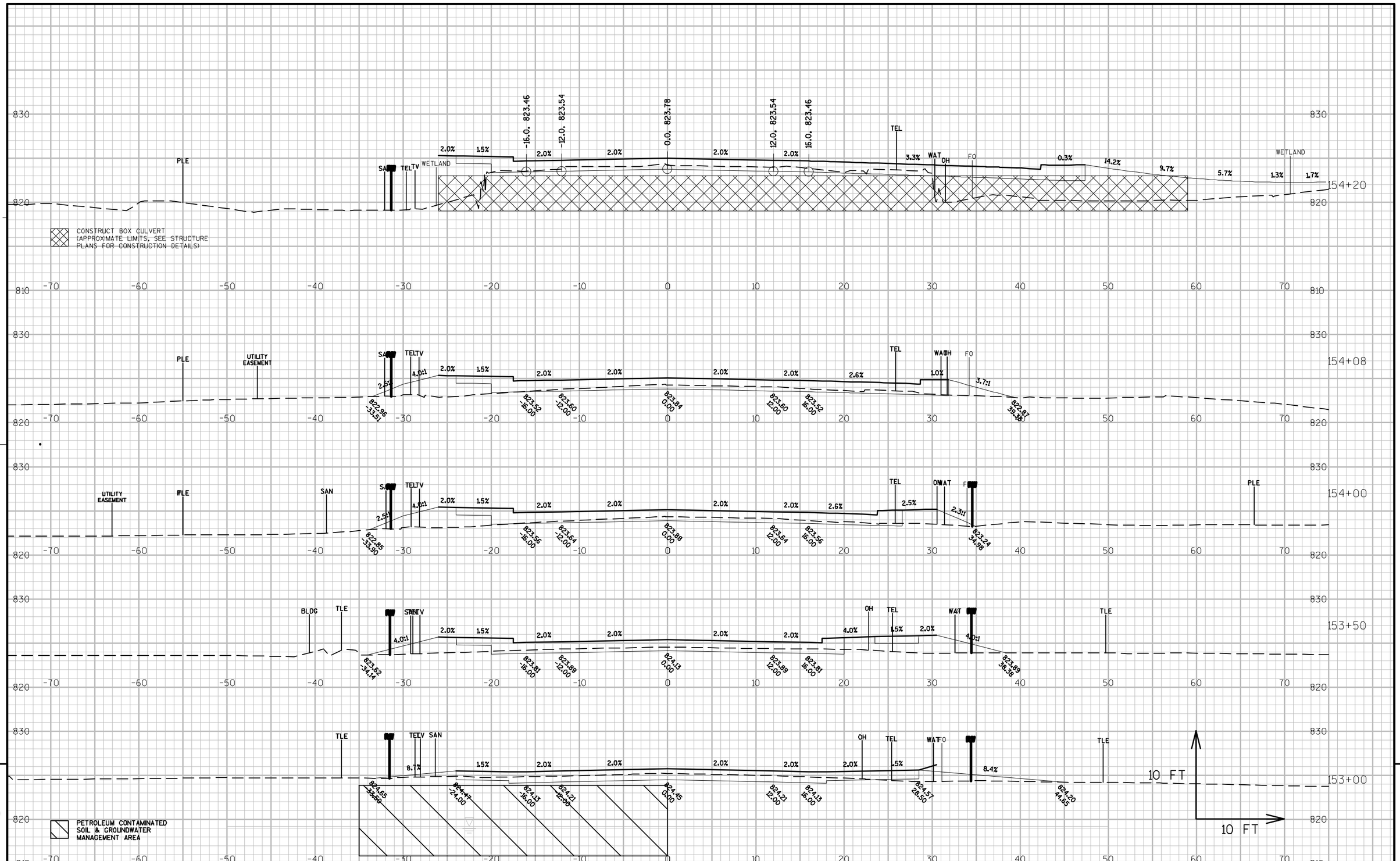
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:46 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

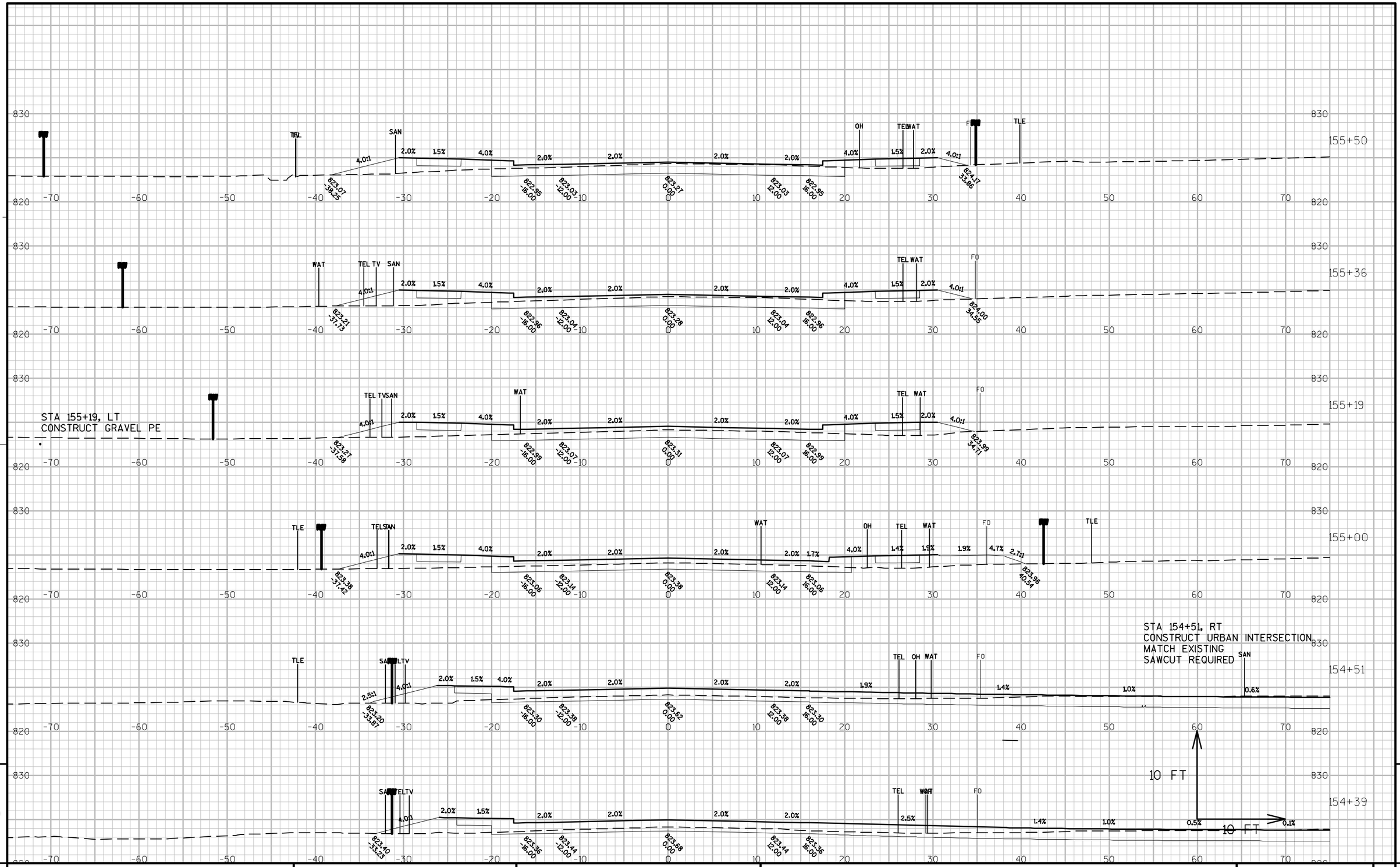
WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:46 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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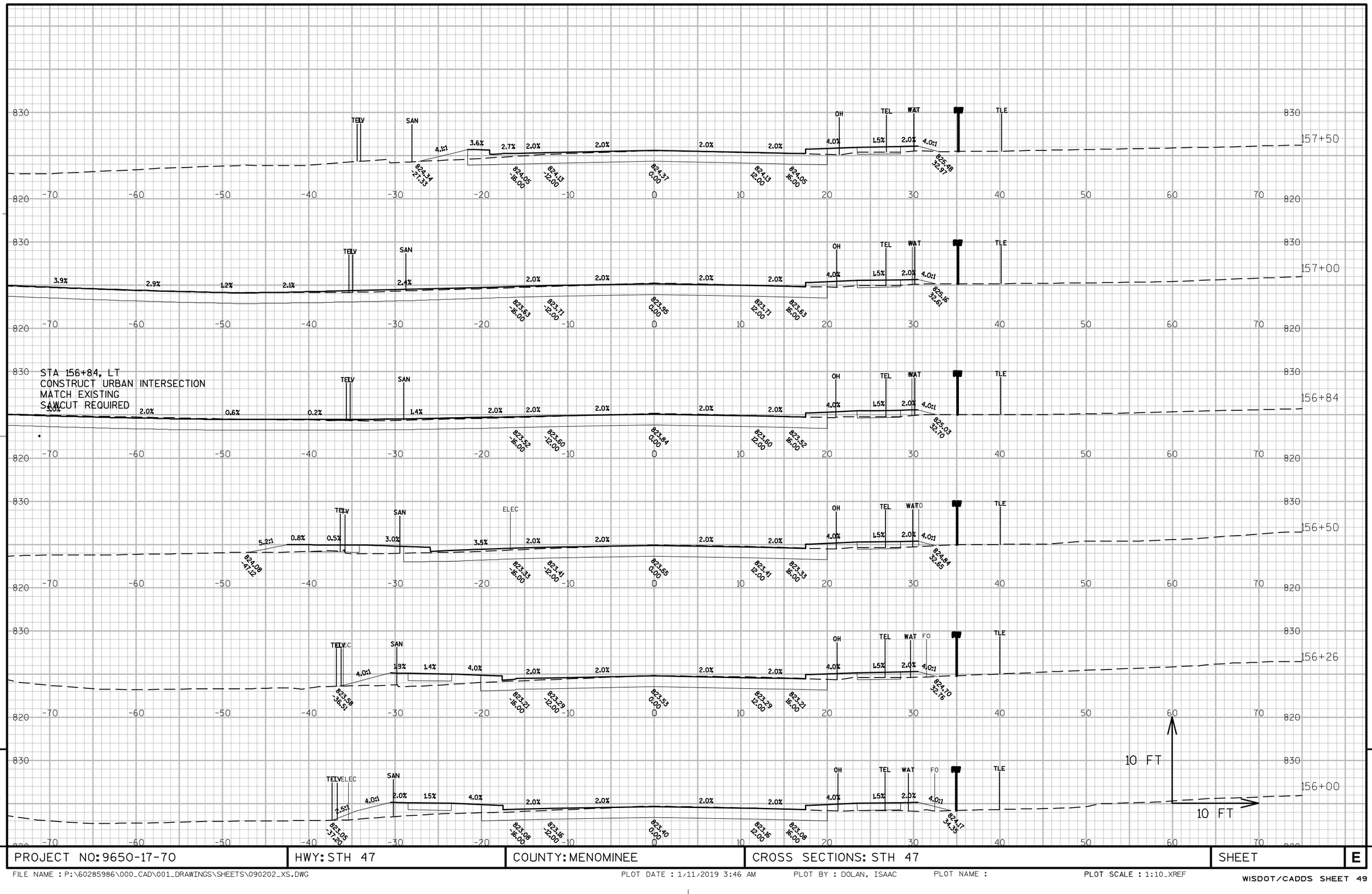
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:46 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

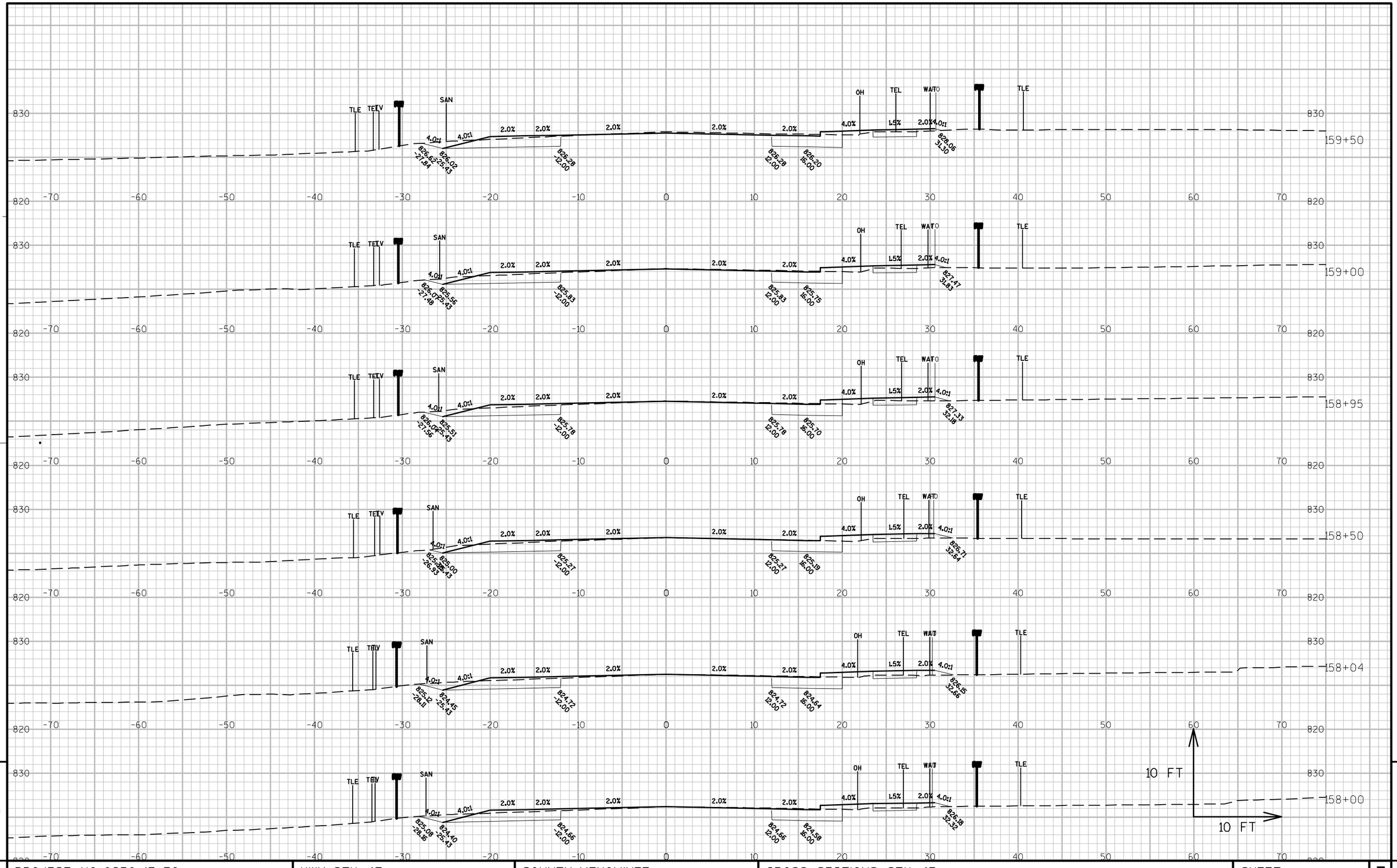
WISDOT/CADDS SHEET 49

STA 156+84, LT
CONSTRUCT URBAN INTERSECTION
MATCH EXISTING
SAWCUT REQUIRED



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

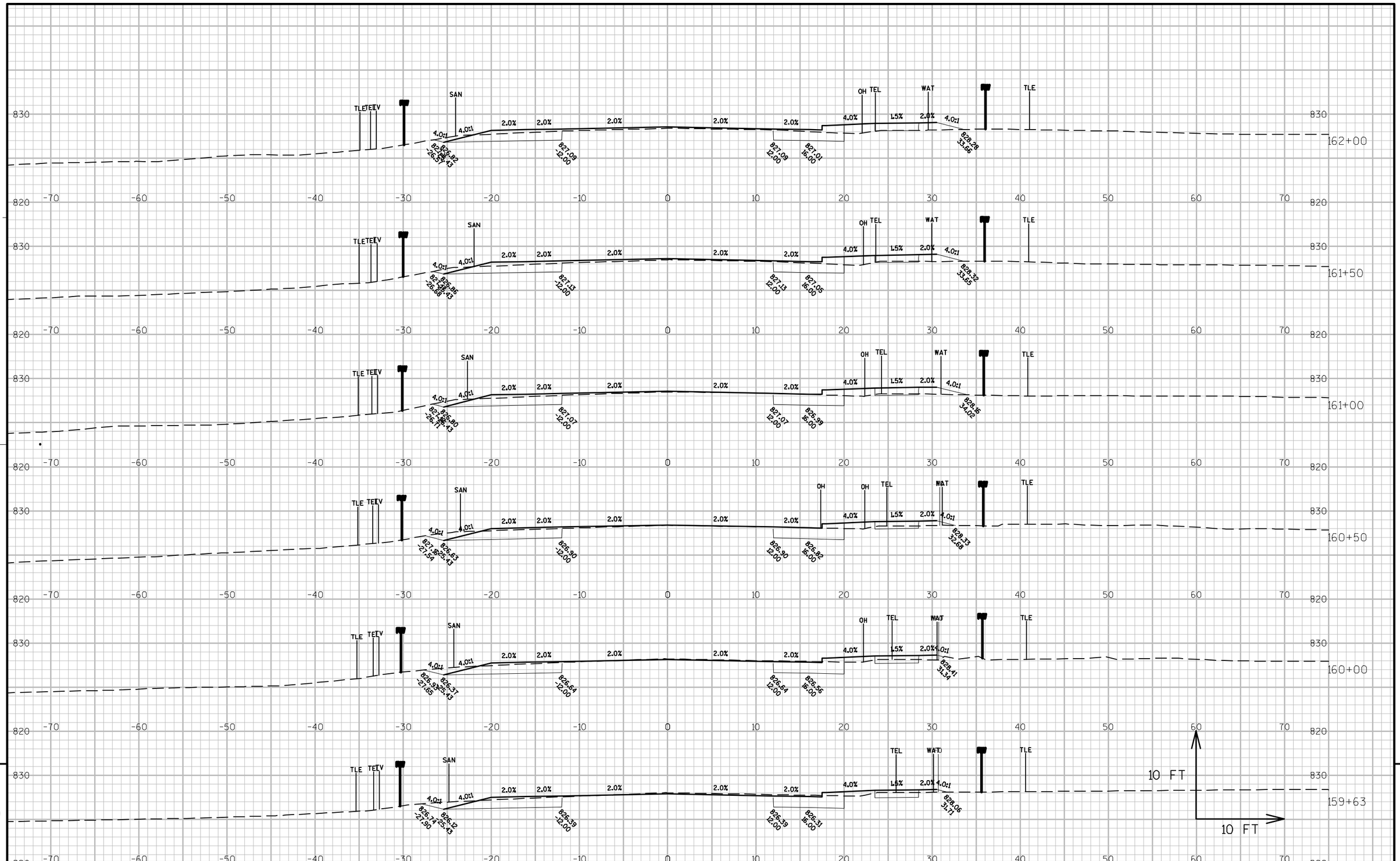
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:46 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:47 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

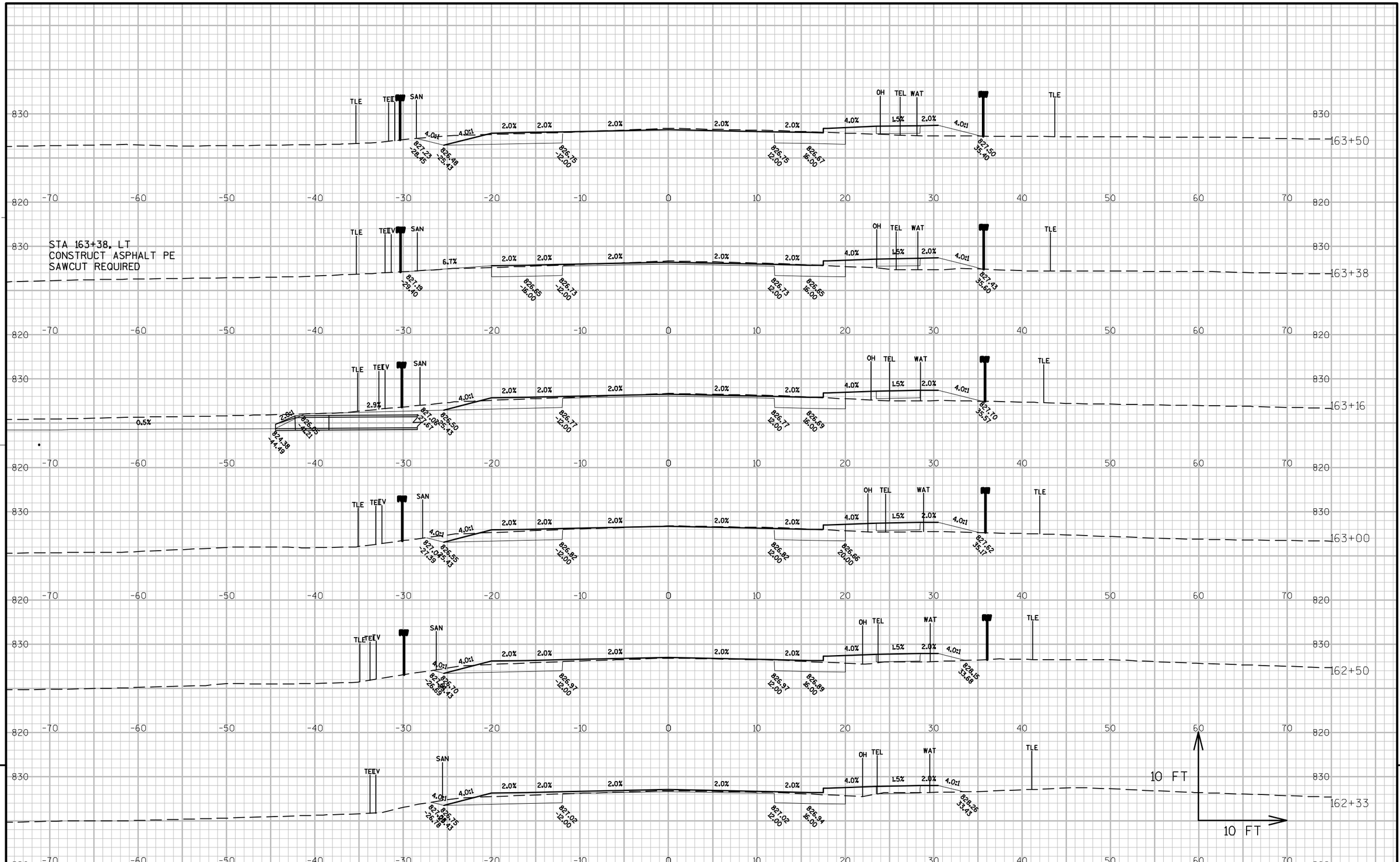
WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:47 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

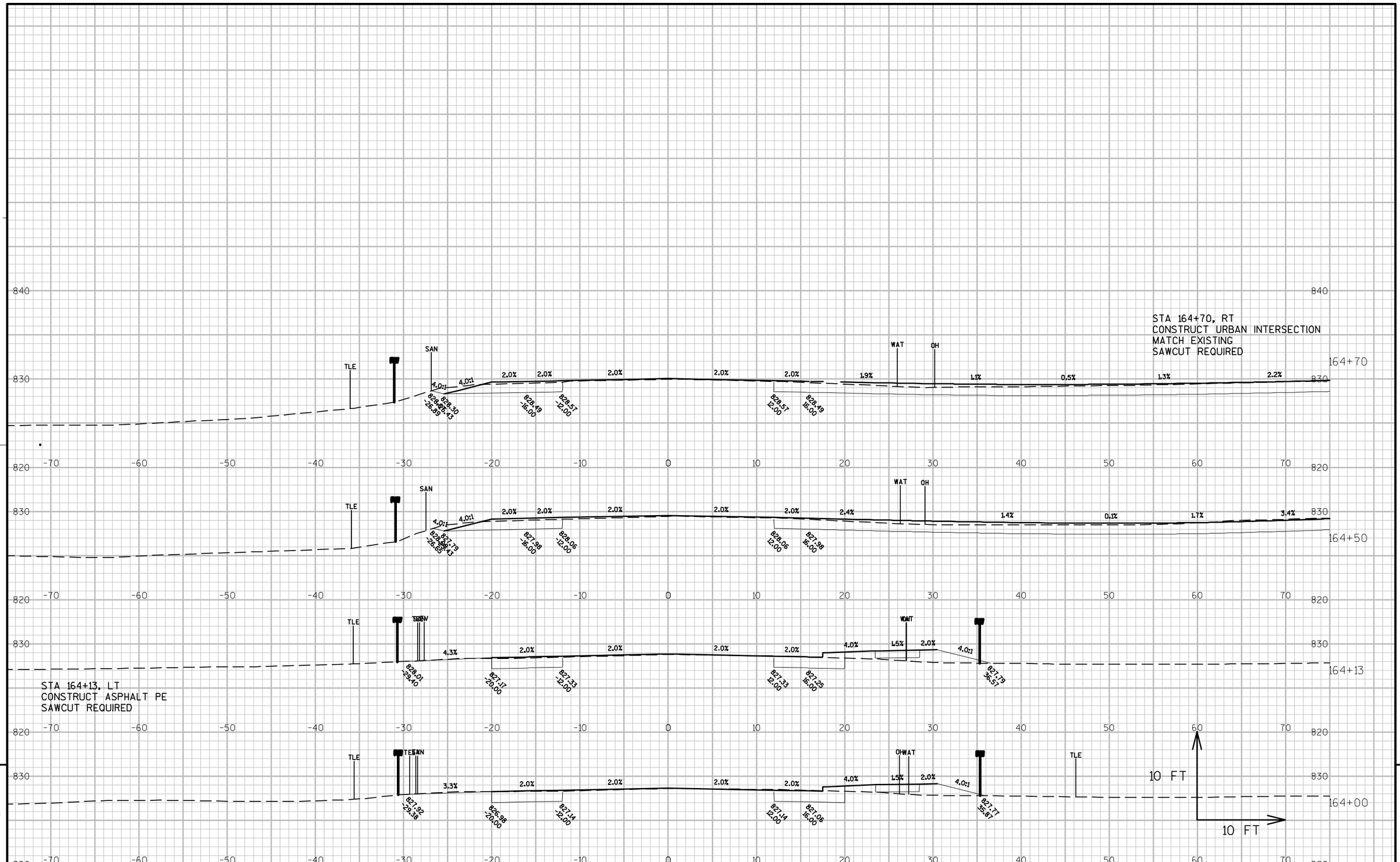
STA 163+38, LT
CONSTRUCT ASPHALT PE
SAWCUT REQUIRED



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:47 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



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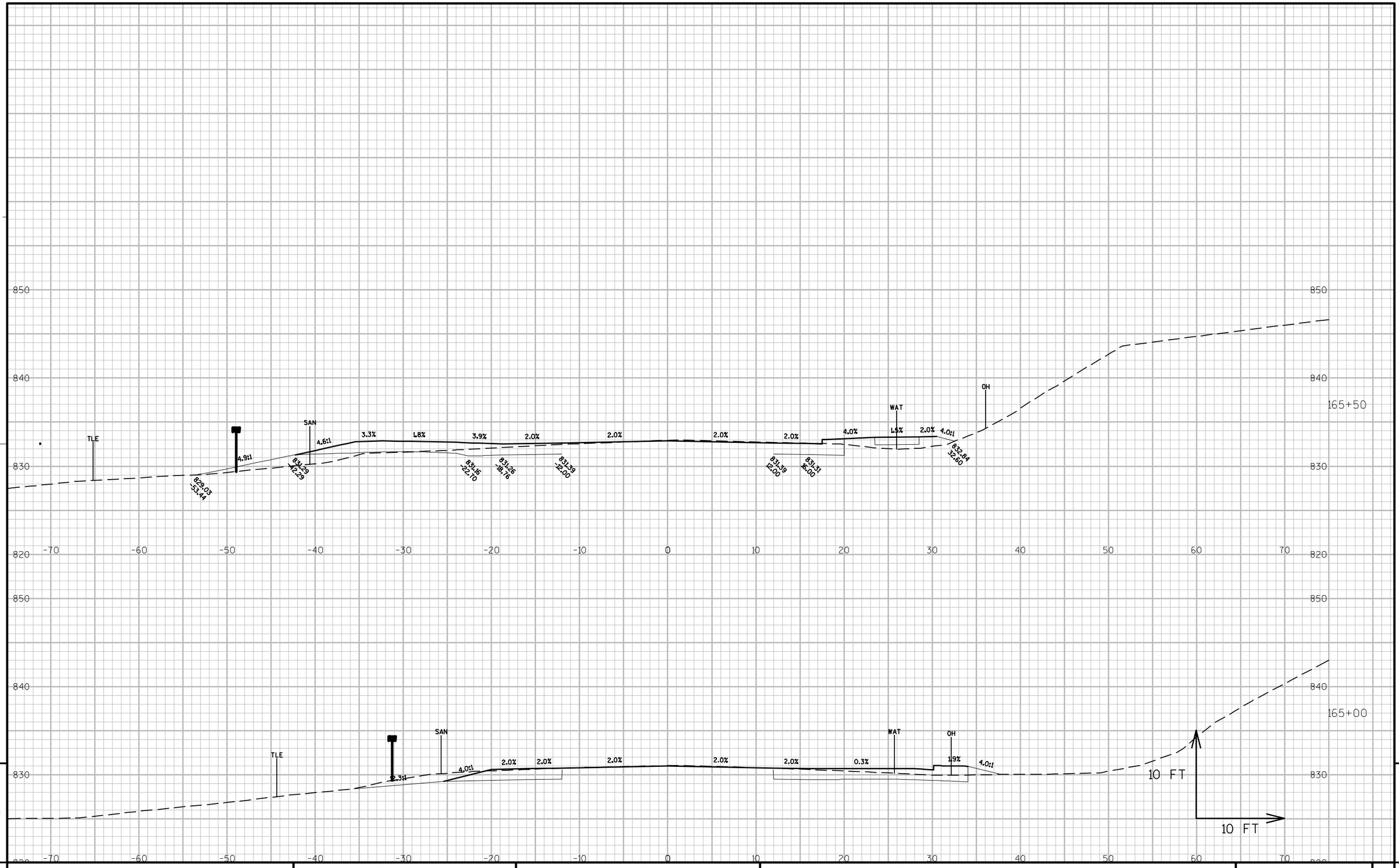
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:47 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



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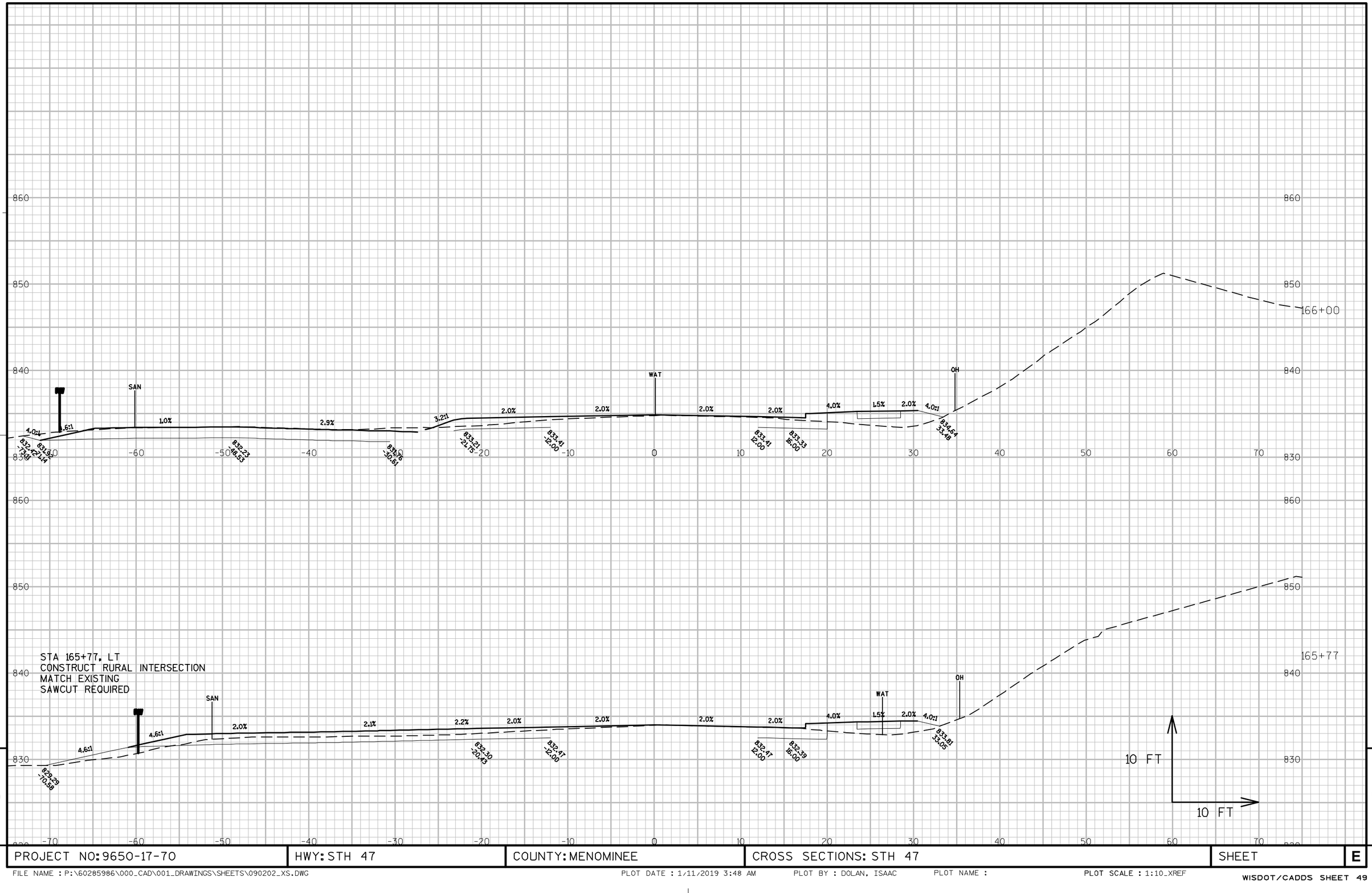
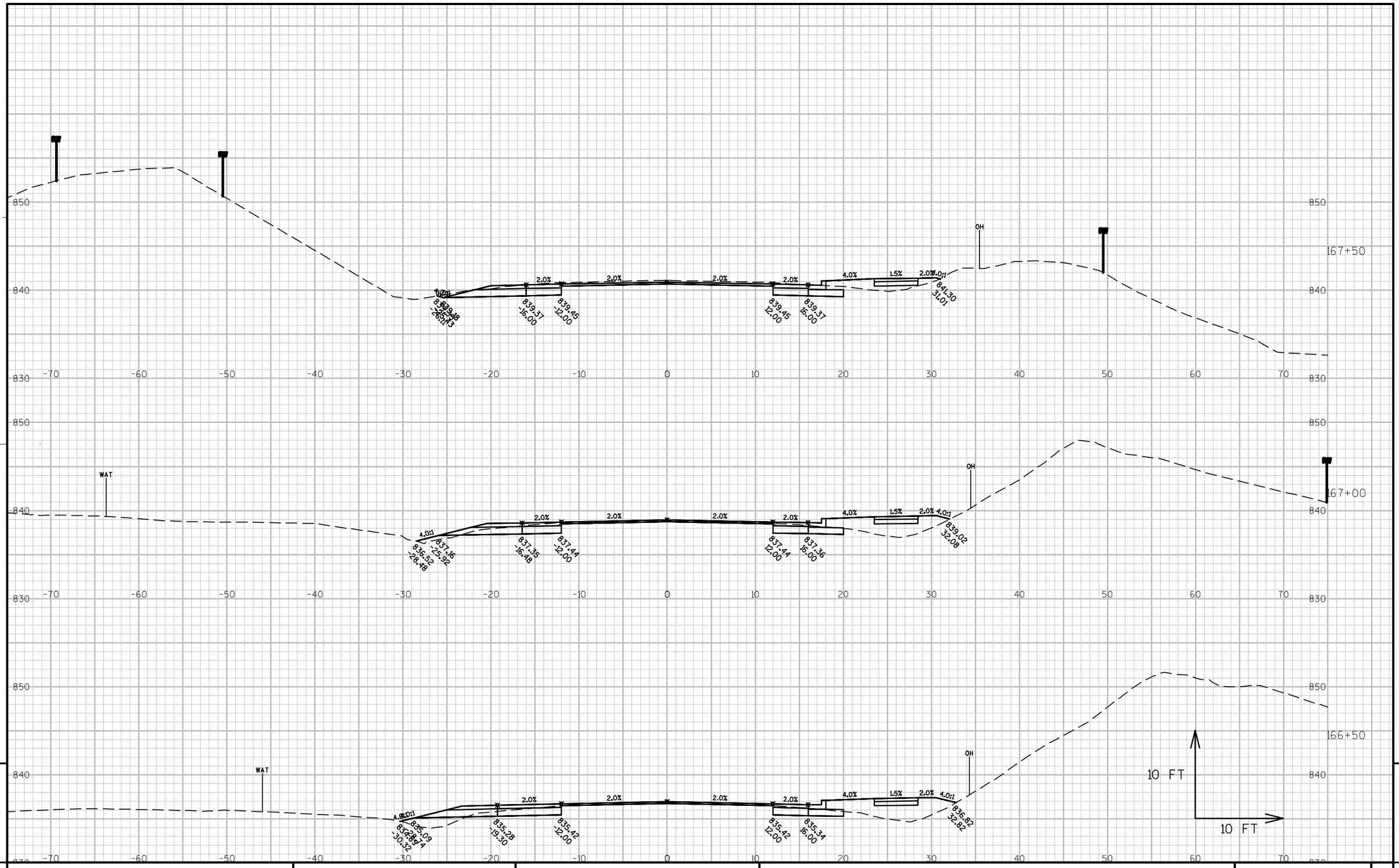
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090202_XS.DWG PLOT DATE : 1/11/2019 3:48 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



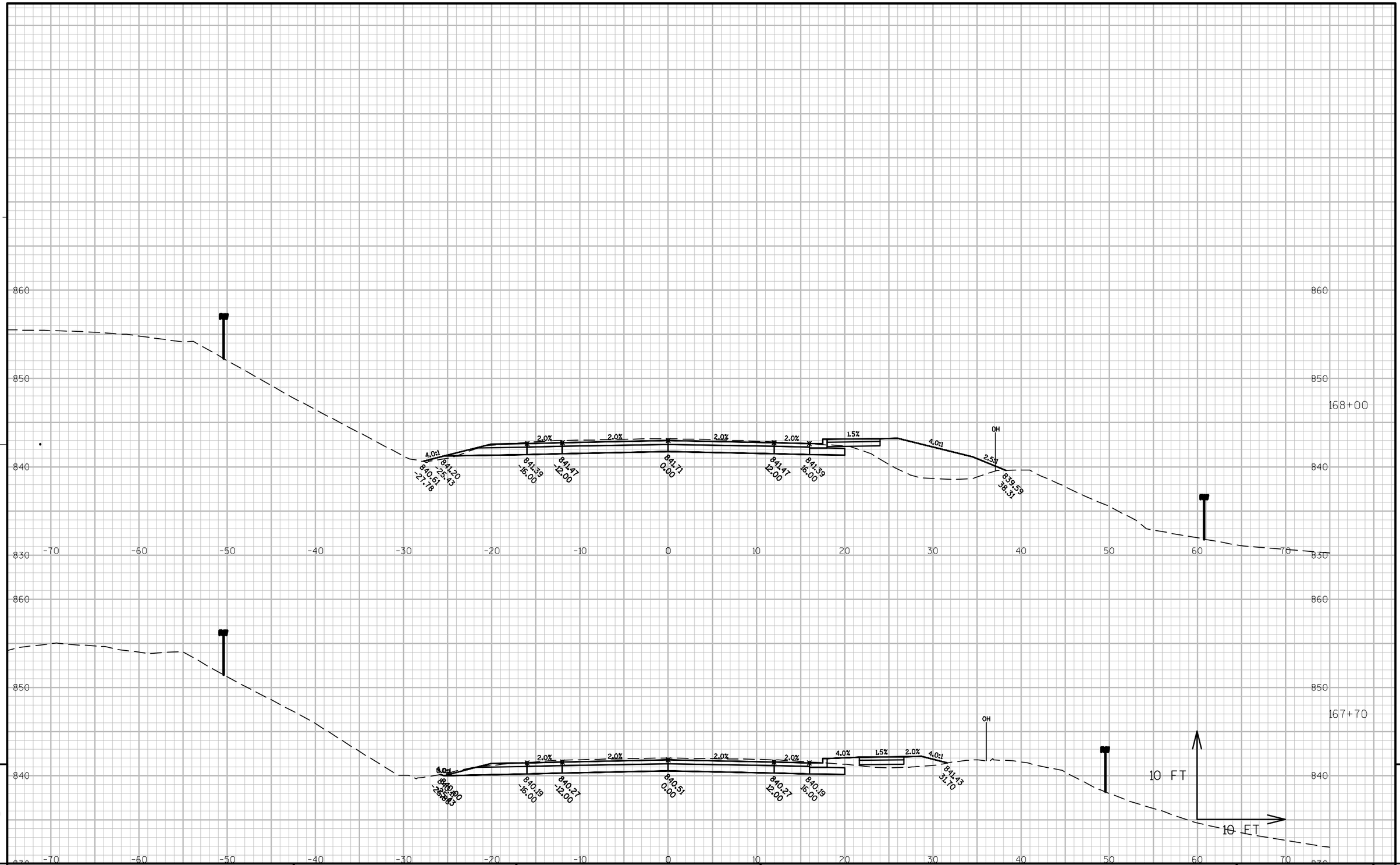
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:05 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



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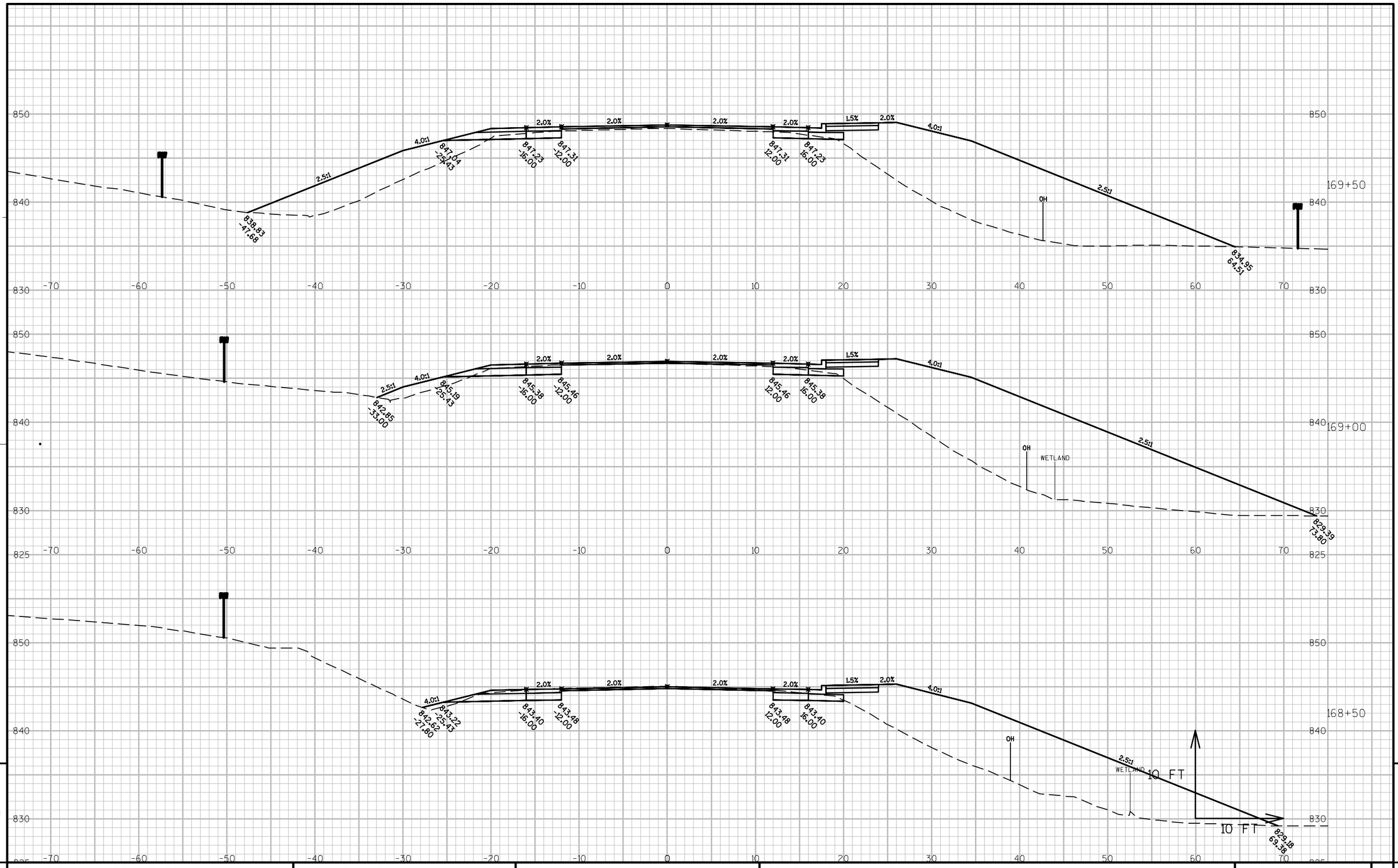
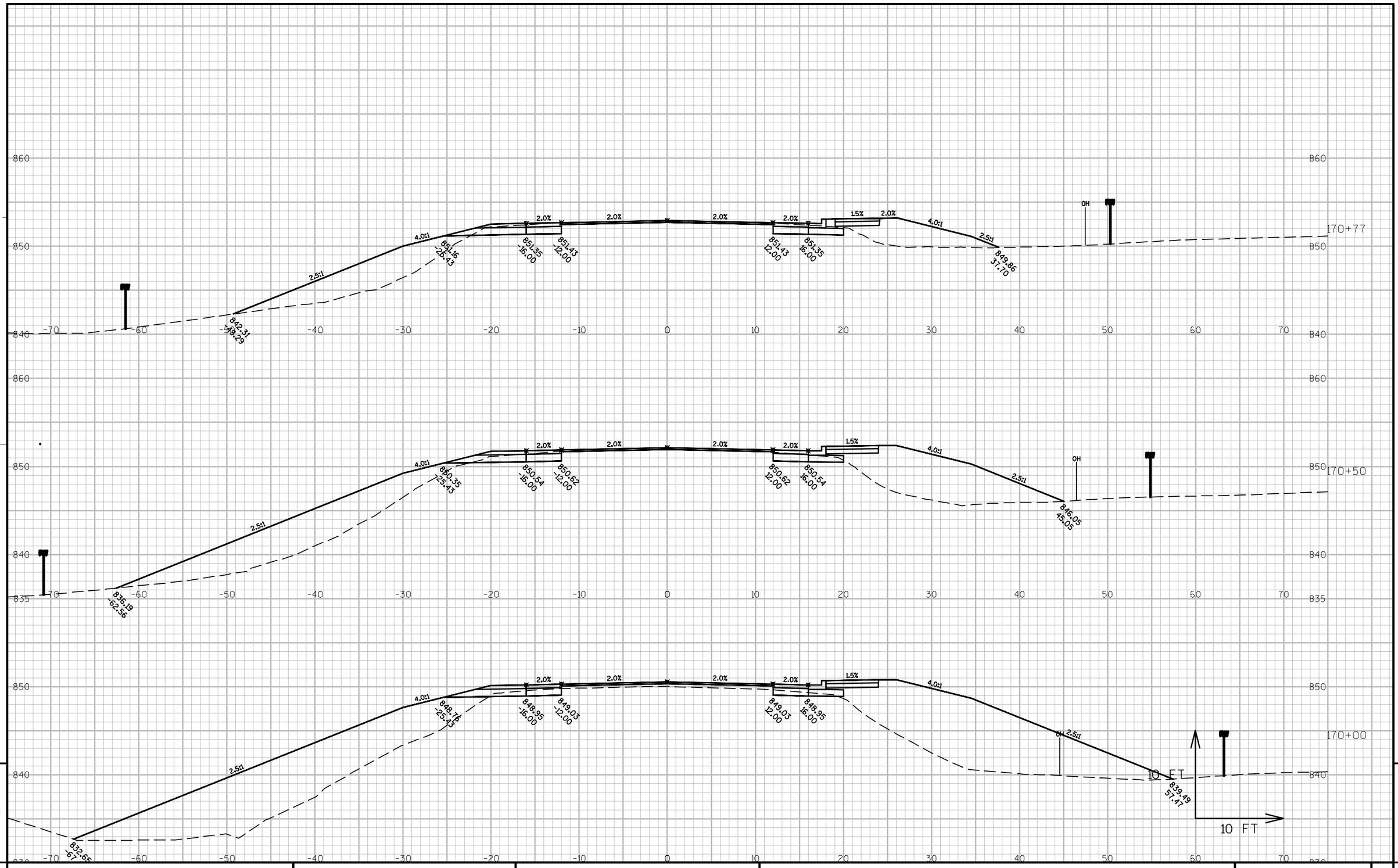
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:05 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

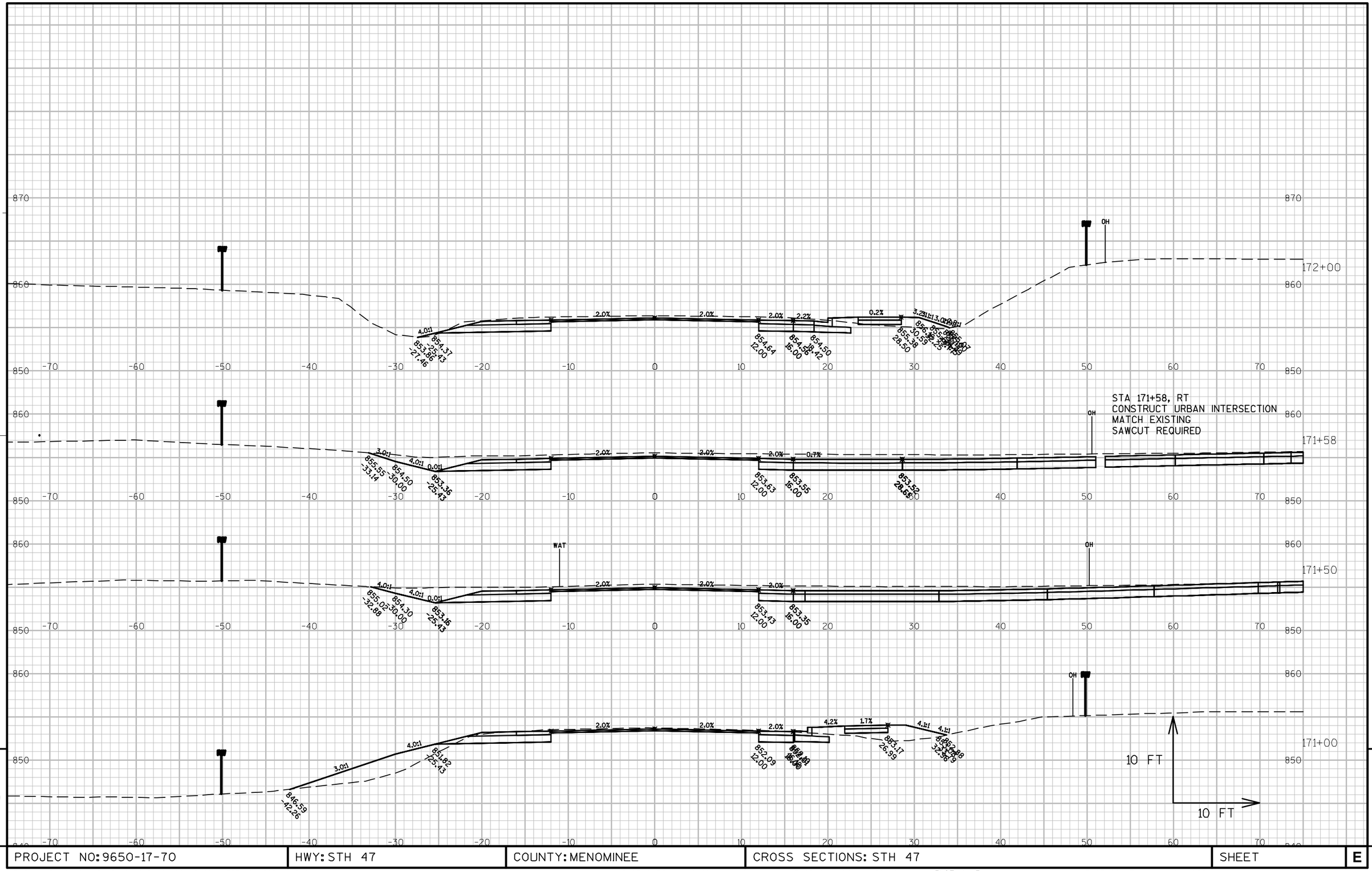
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:05 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:05 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



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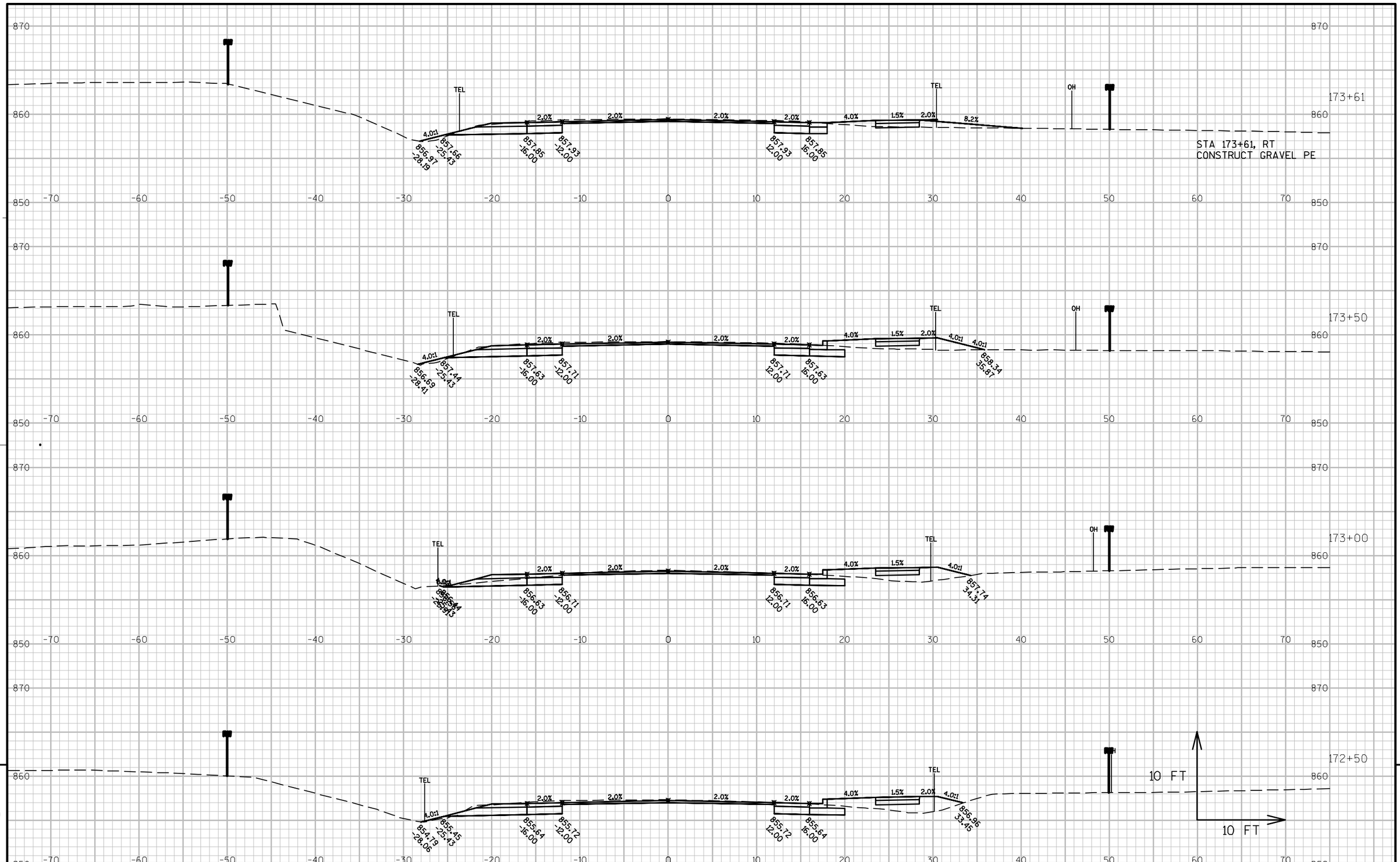
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:05 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:06 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF

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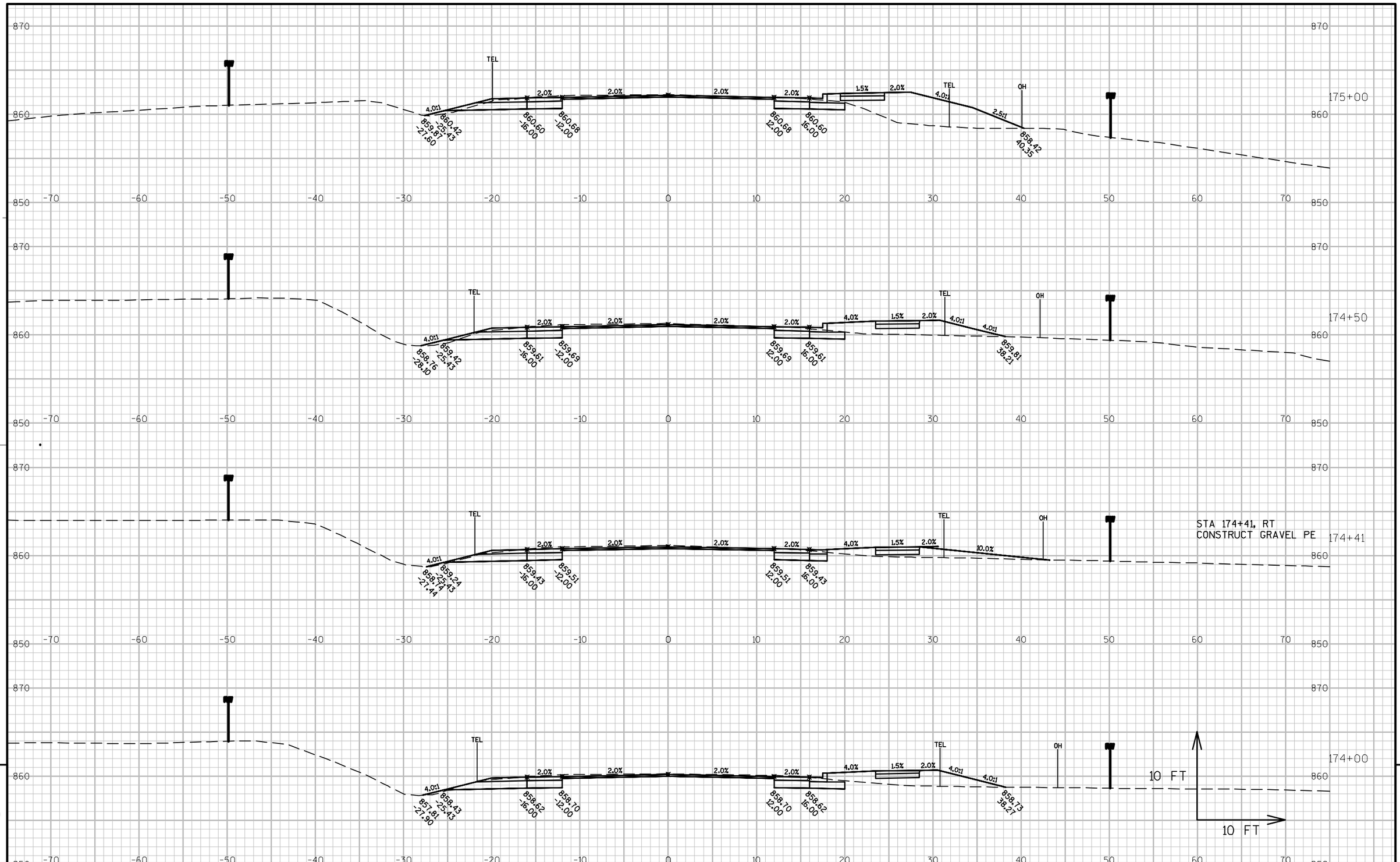

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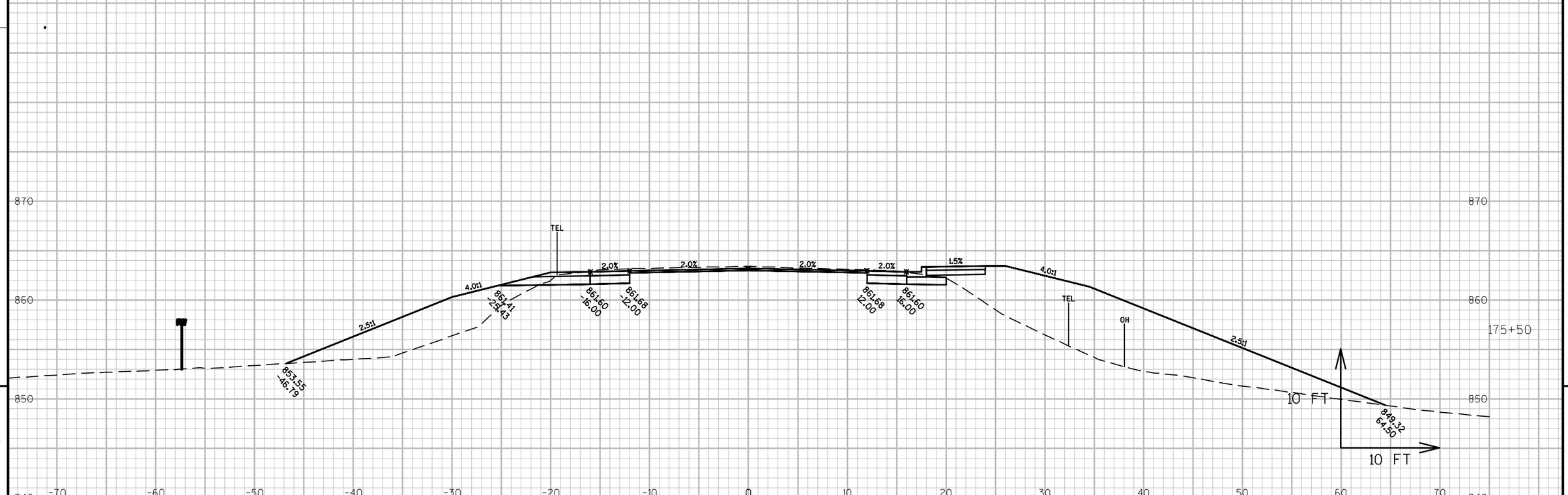
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

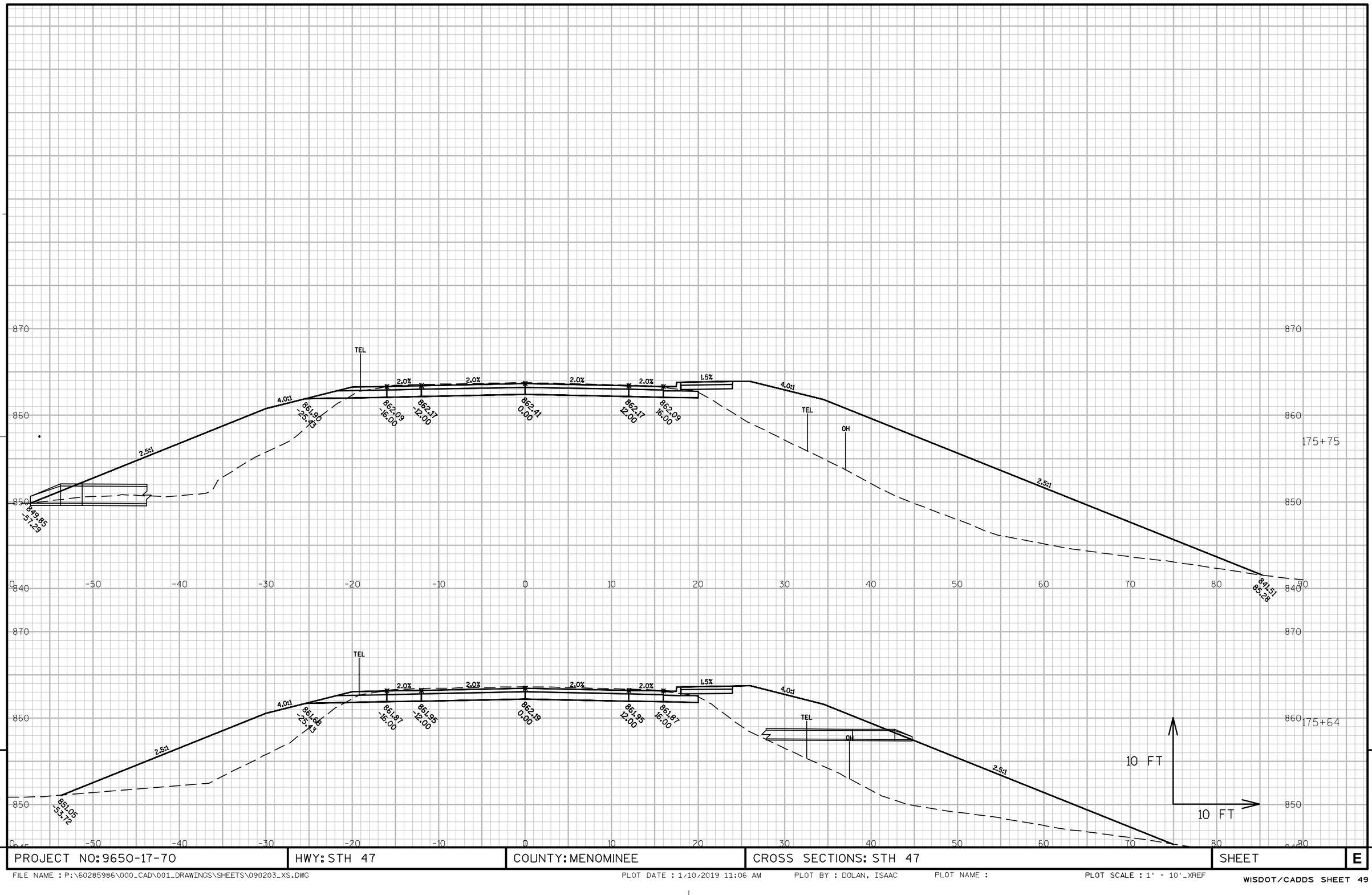
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:06 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:06 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



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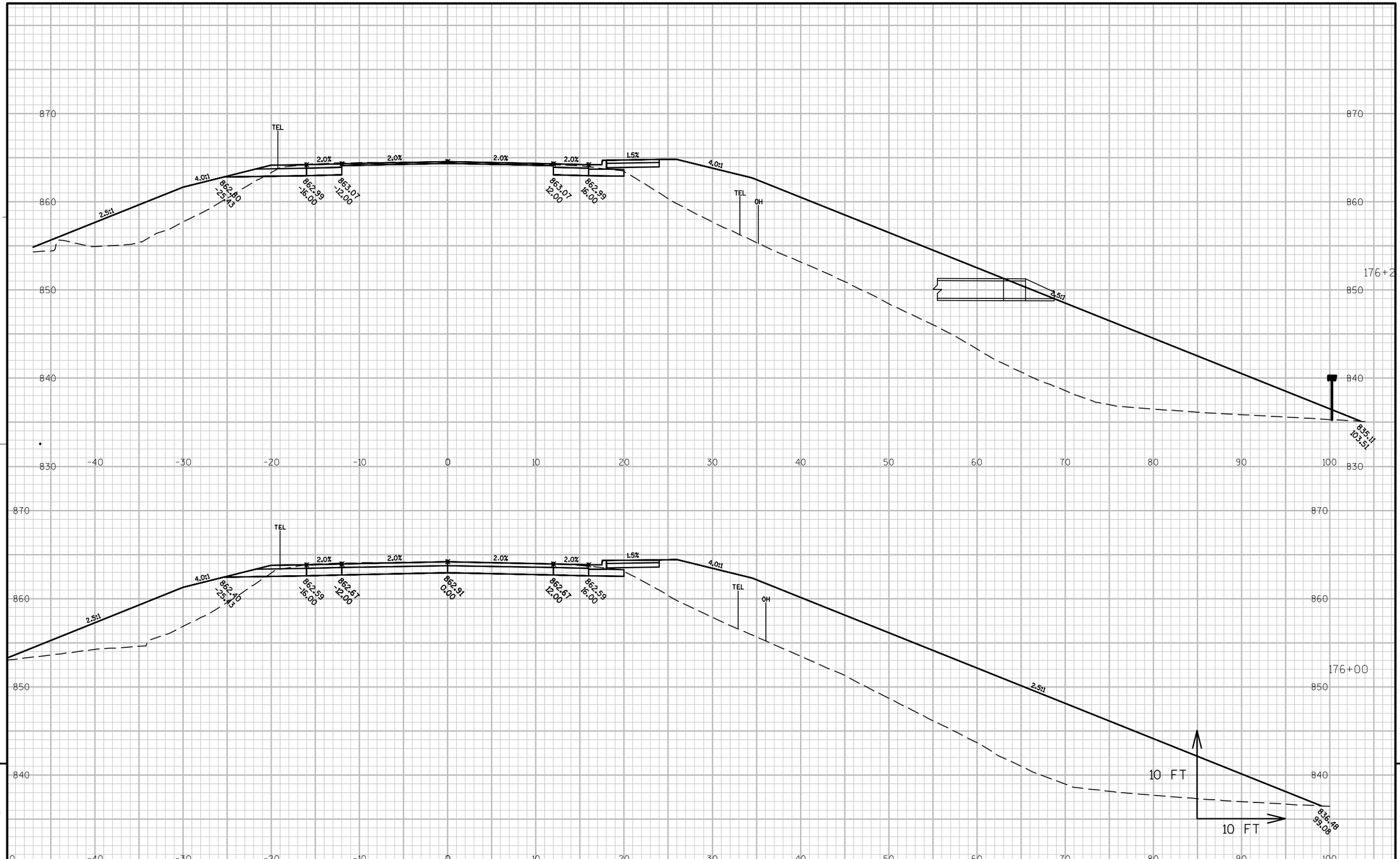
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

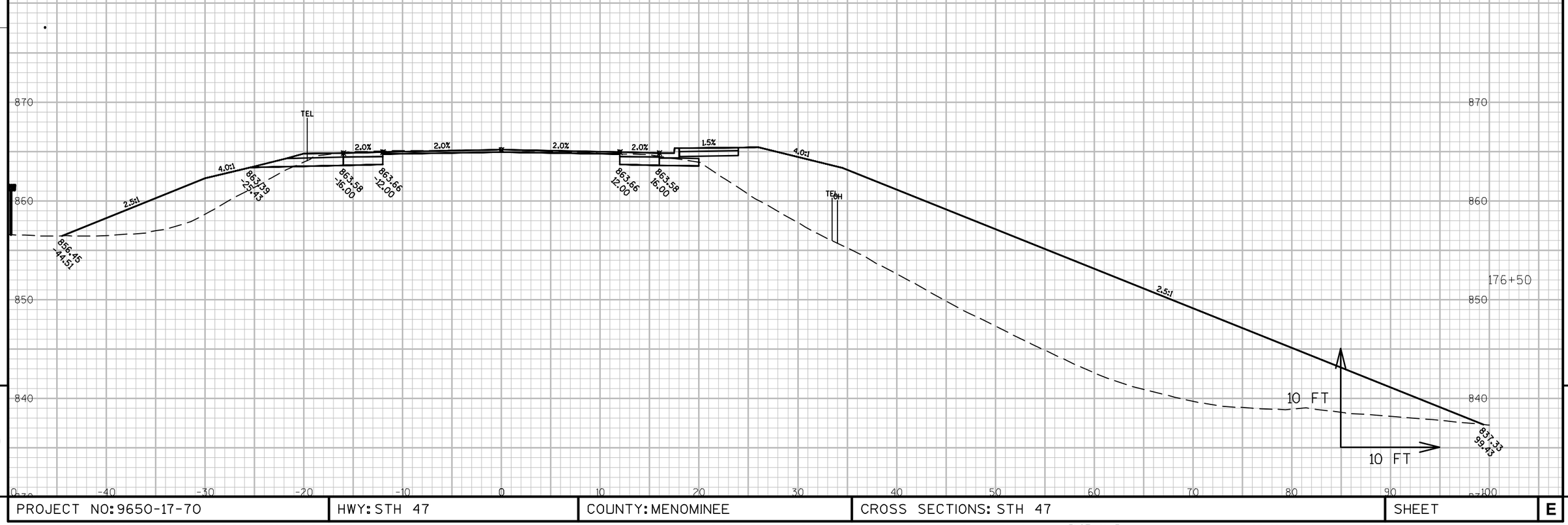
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:06 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF



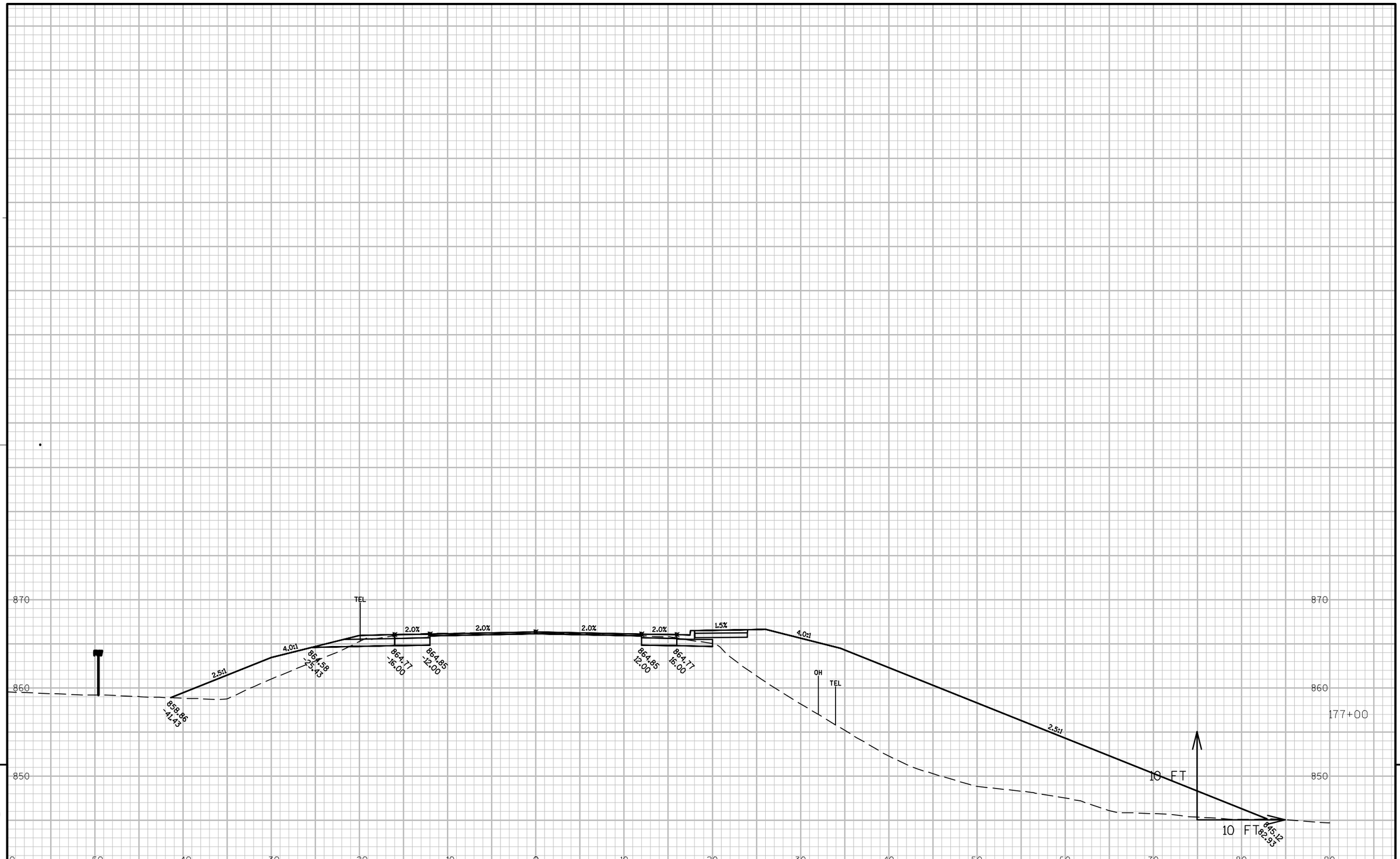
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:06 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF

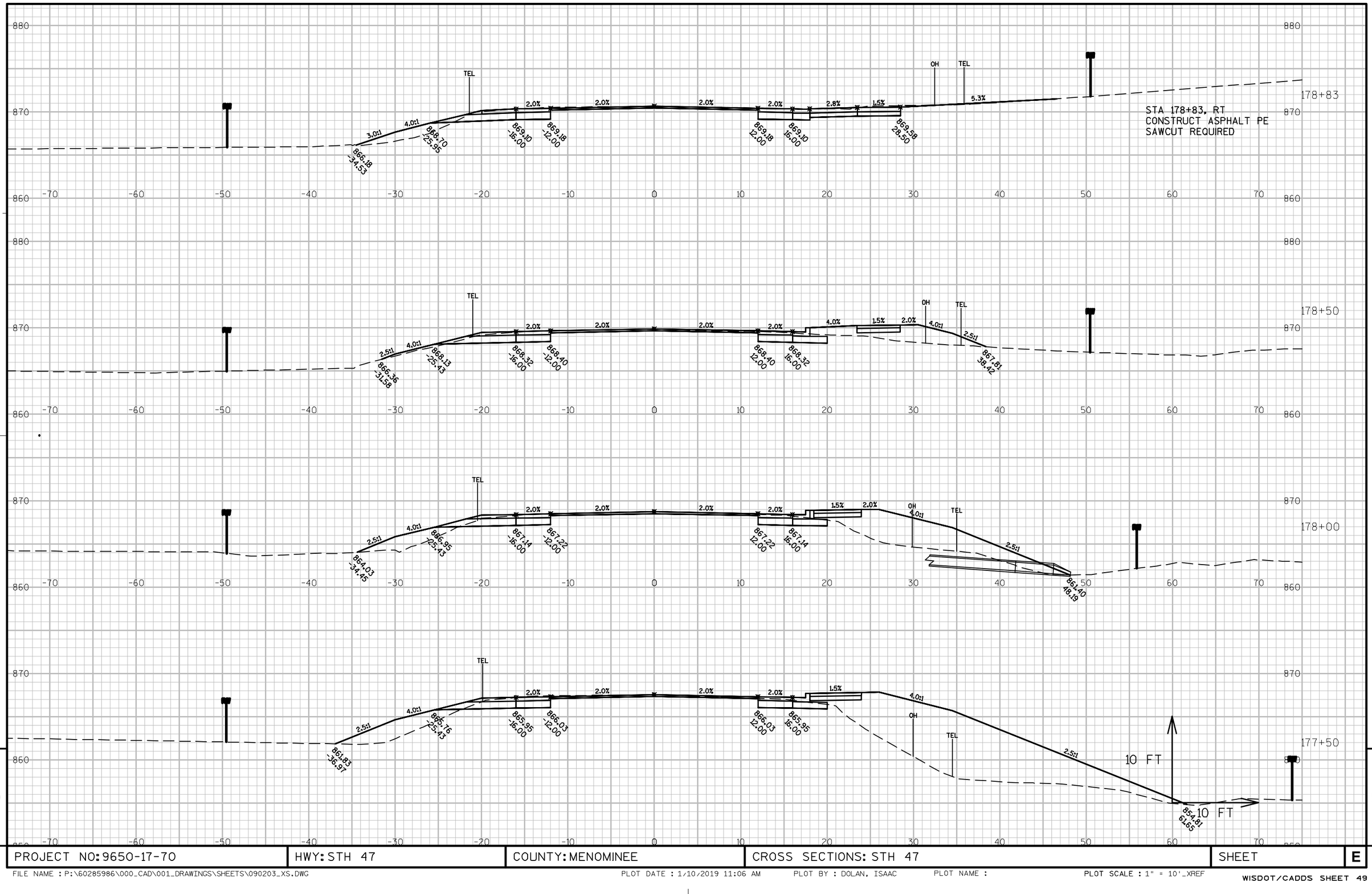
WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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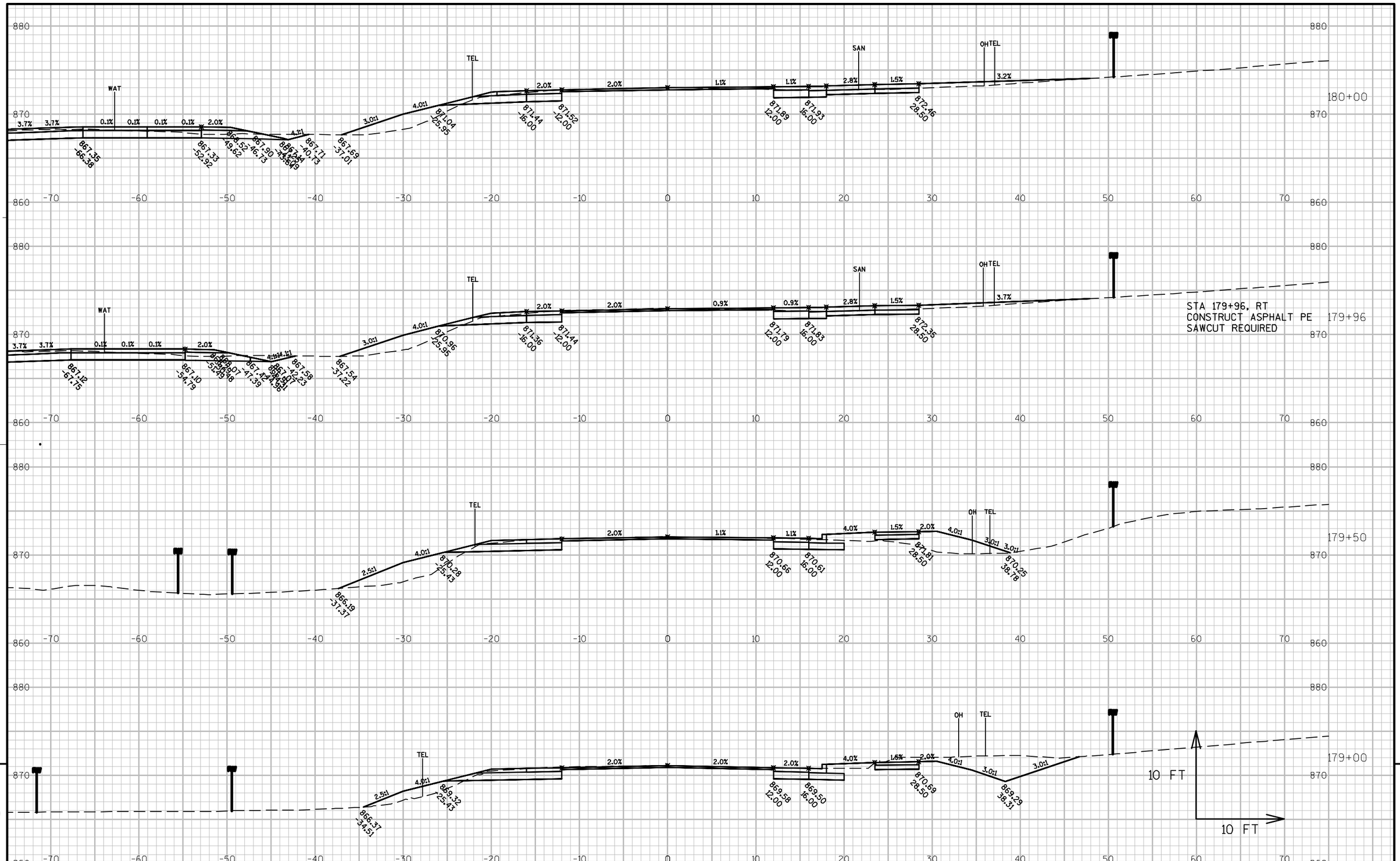
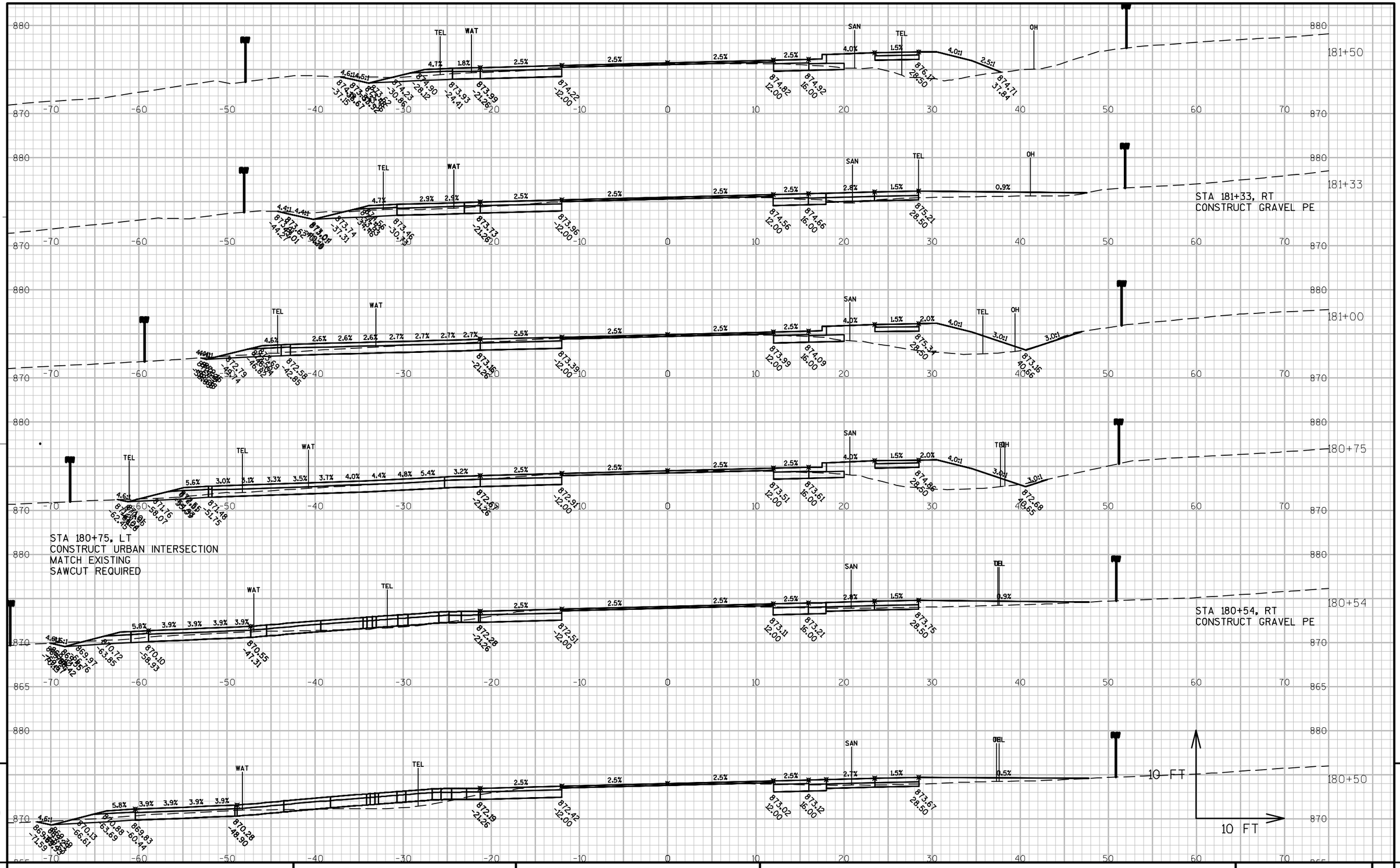
WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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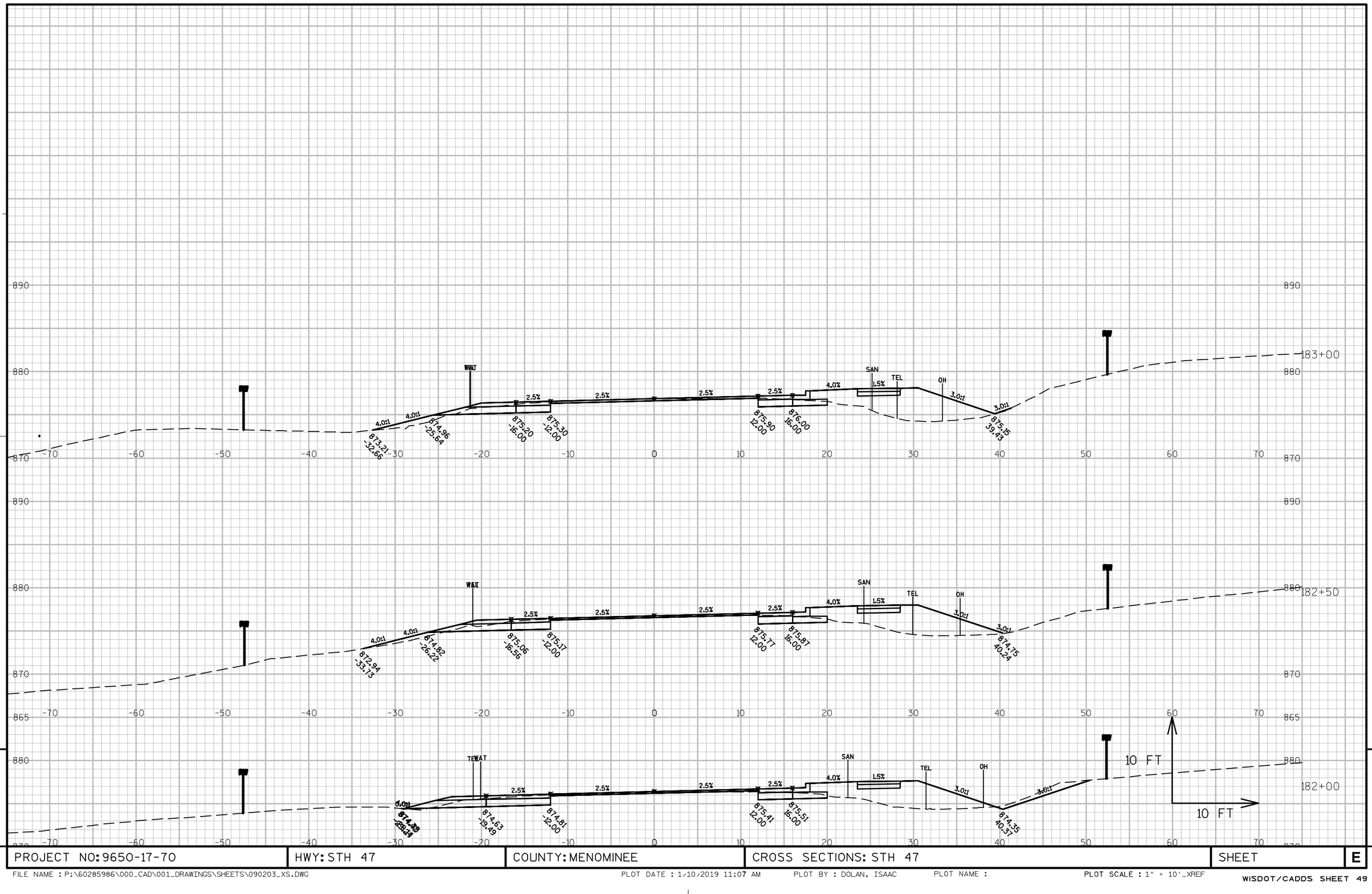

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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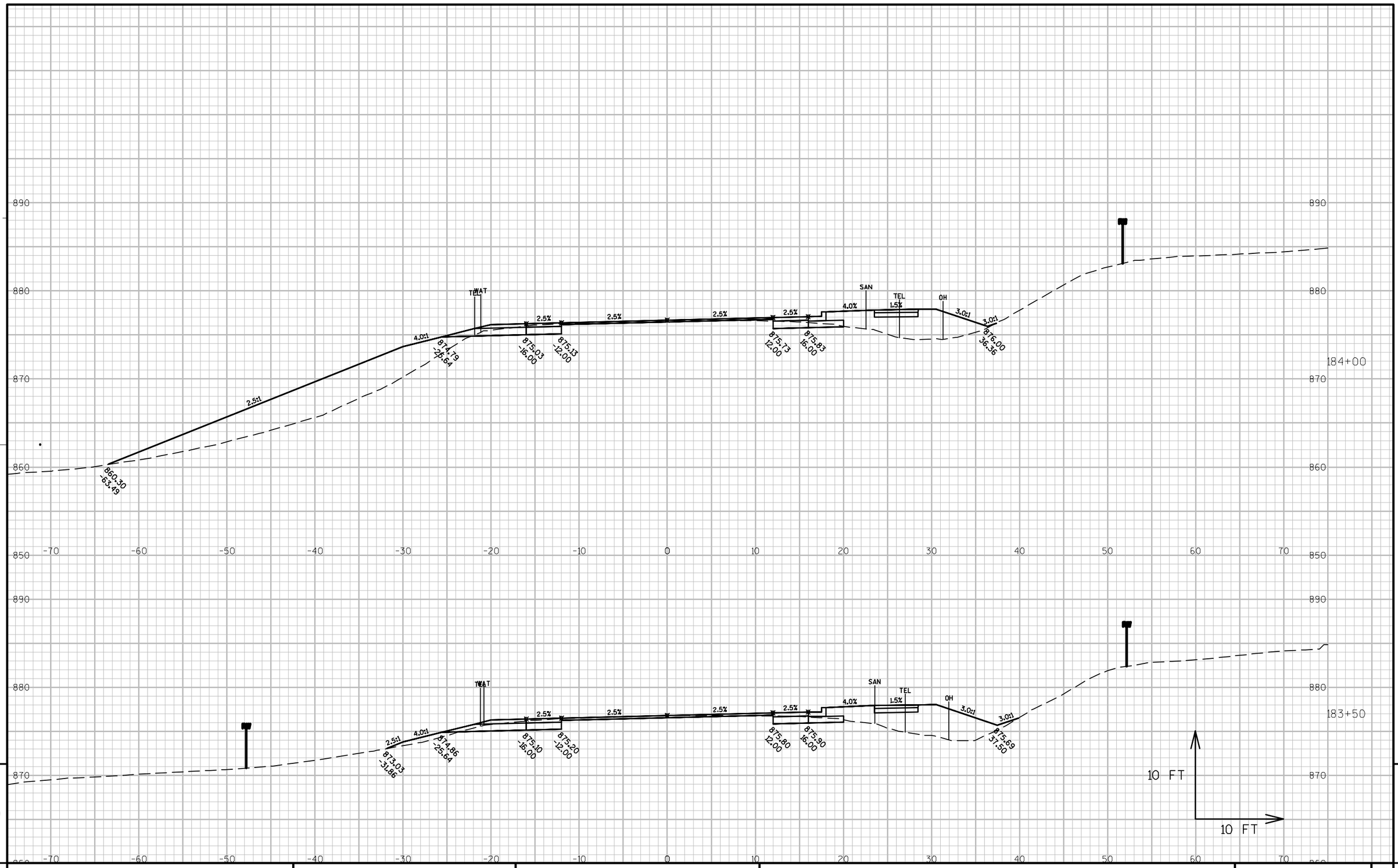
WISDOT/CADDS SHEET 49



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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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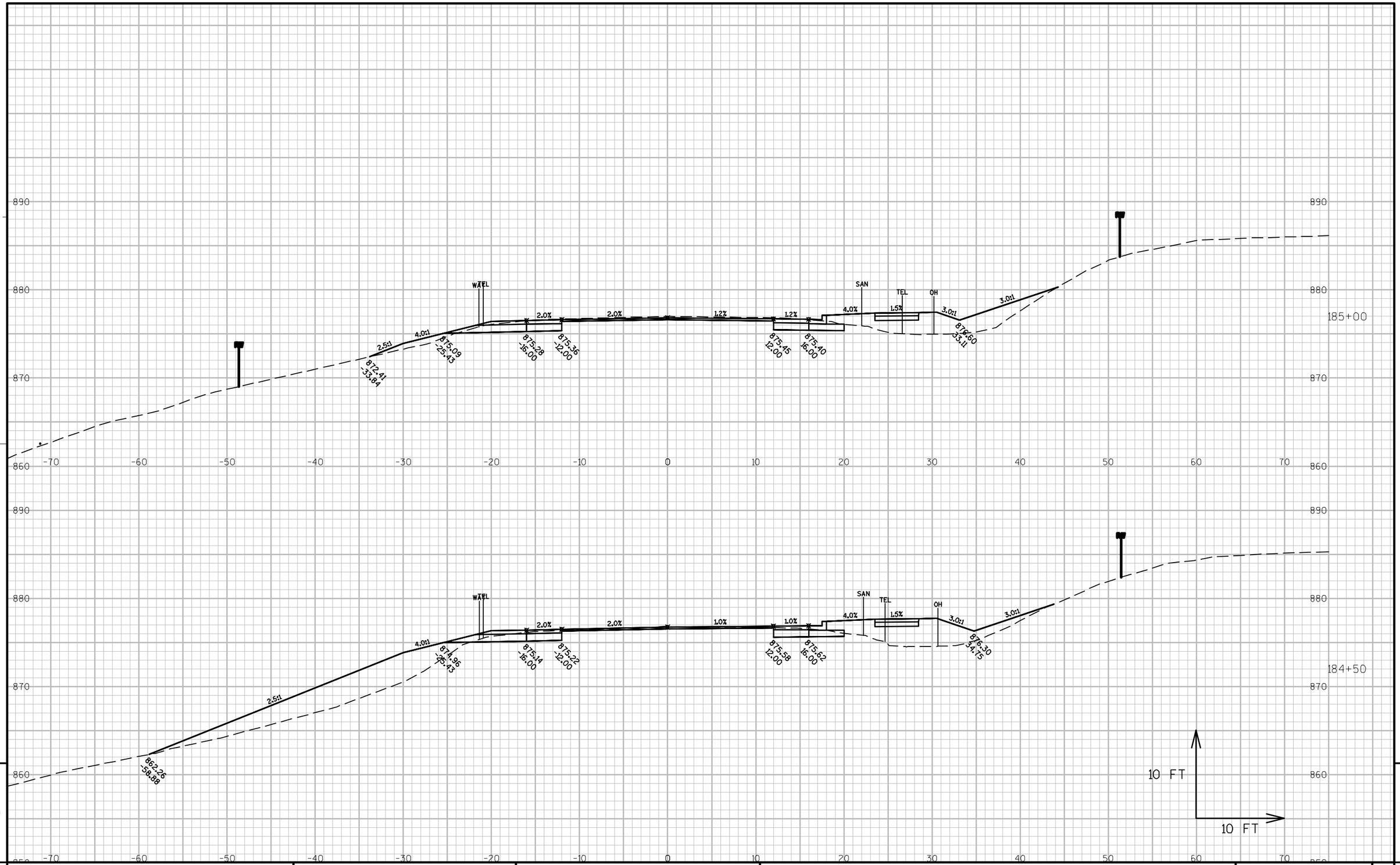
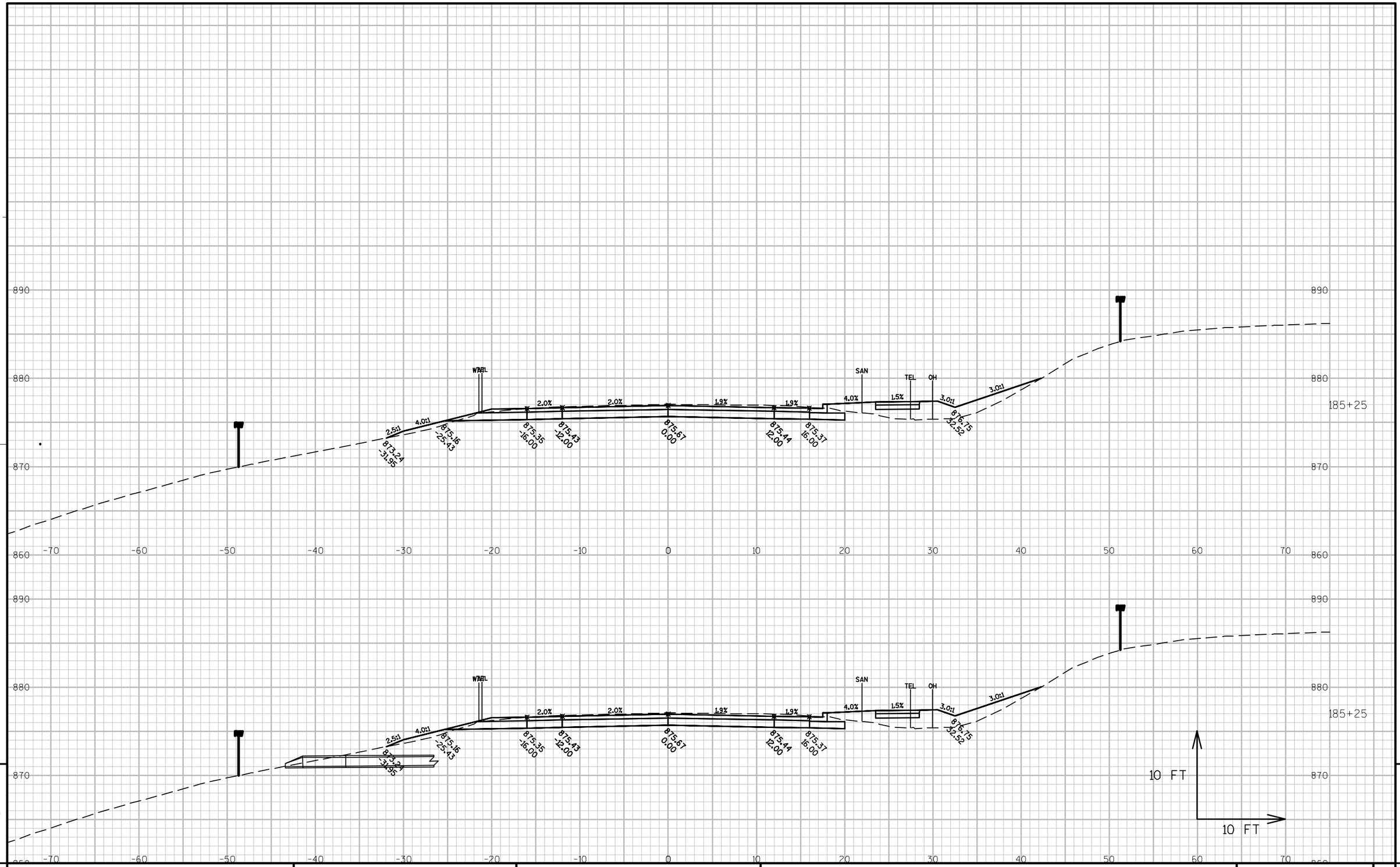


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:07 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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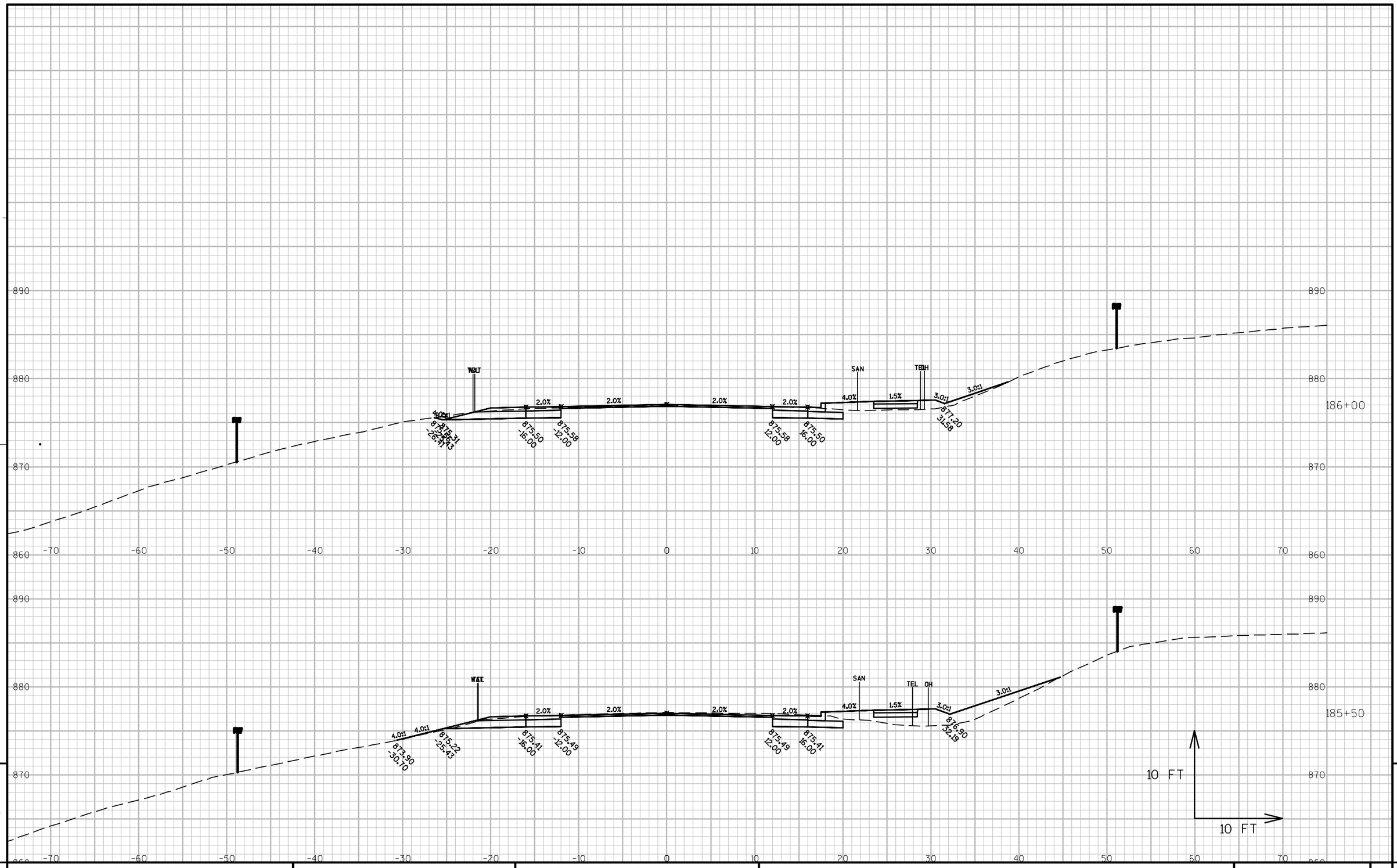

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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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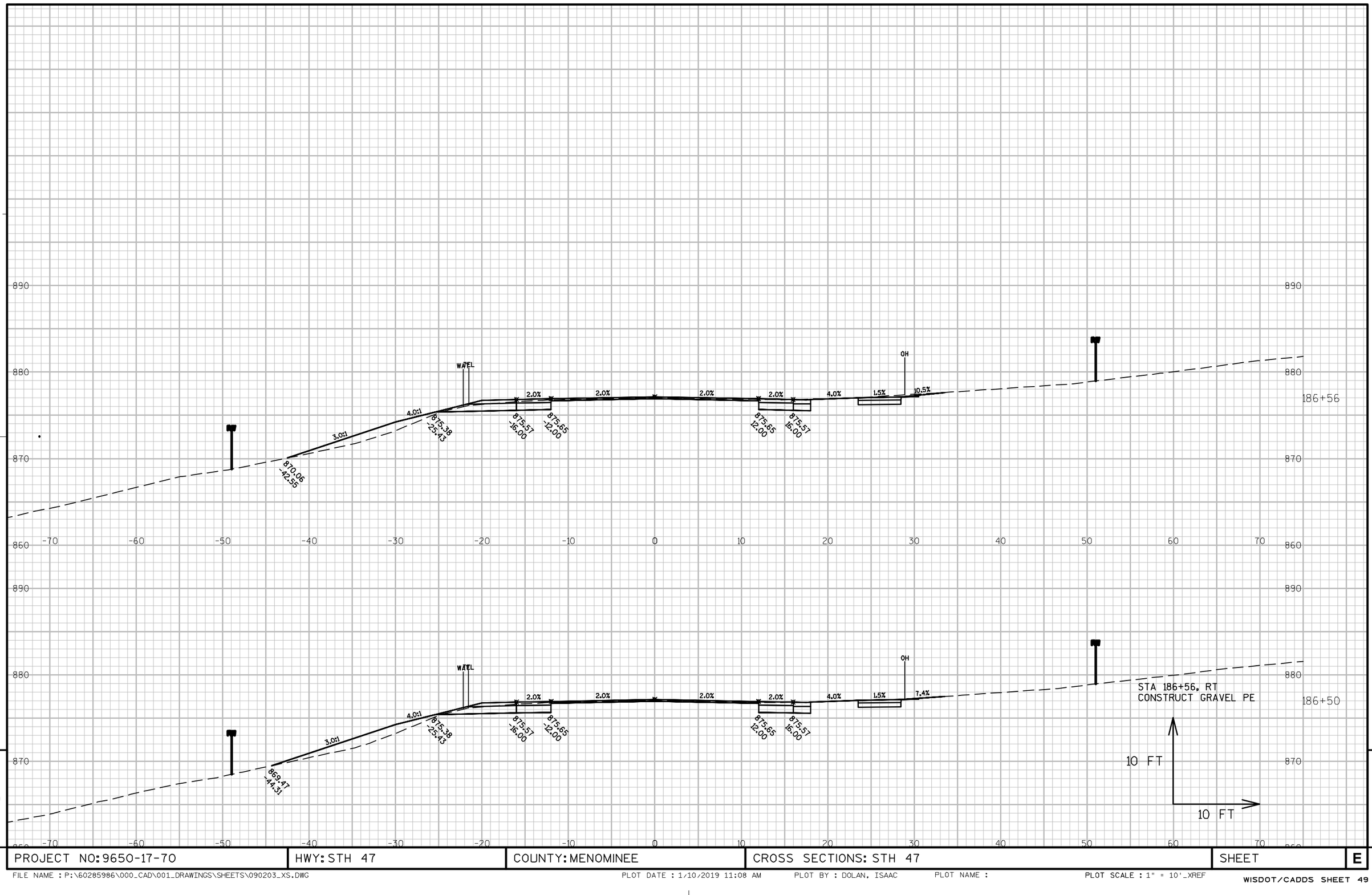

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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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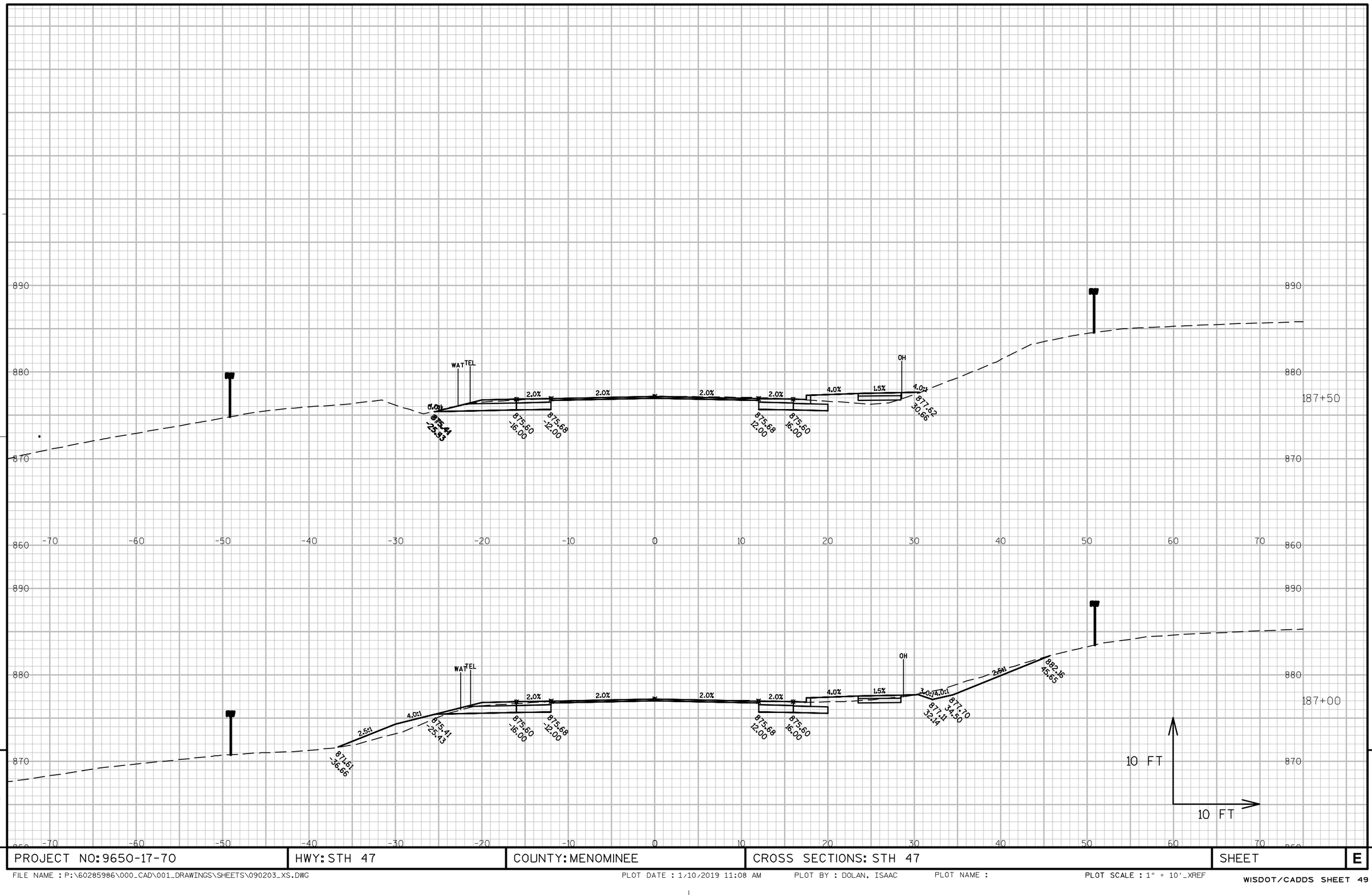

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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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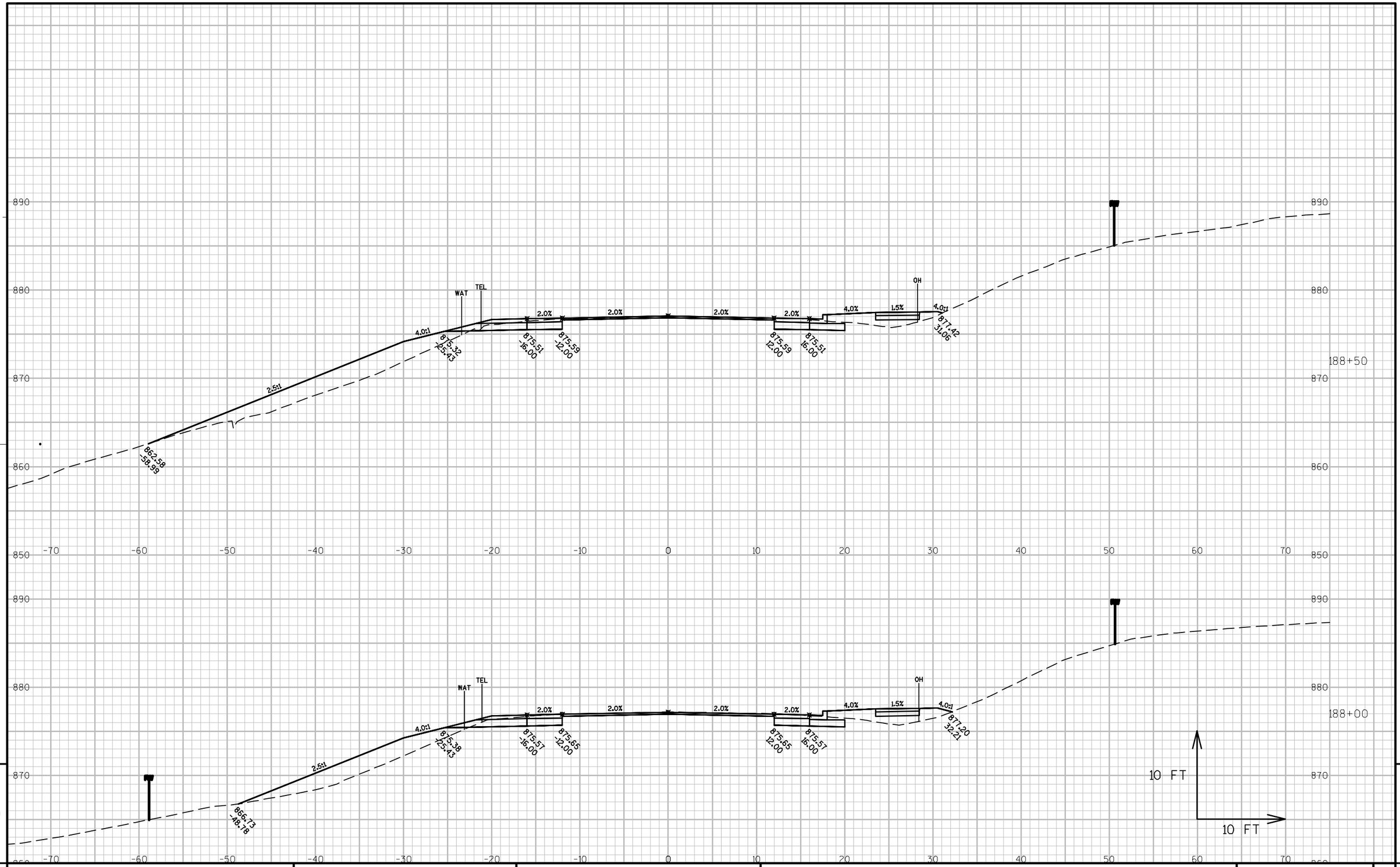

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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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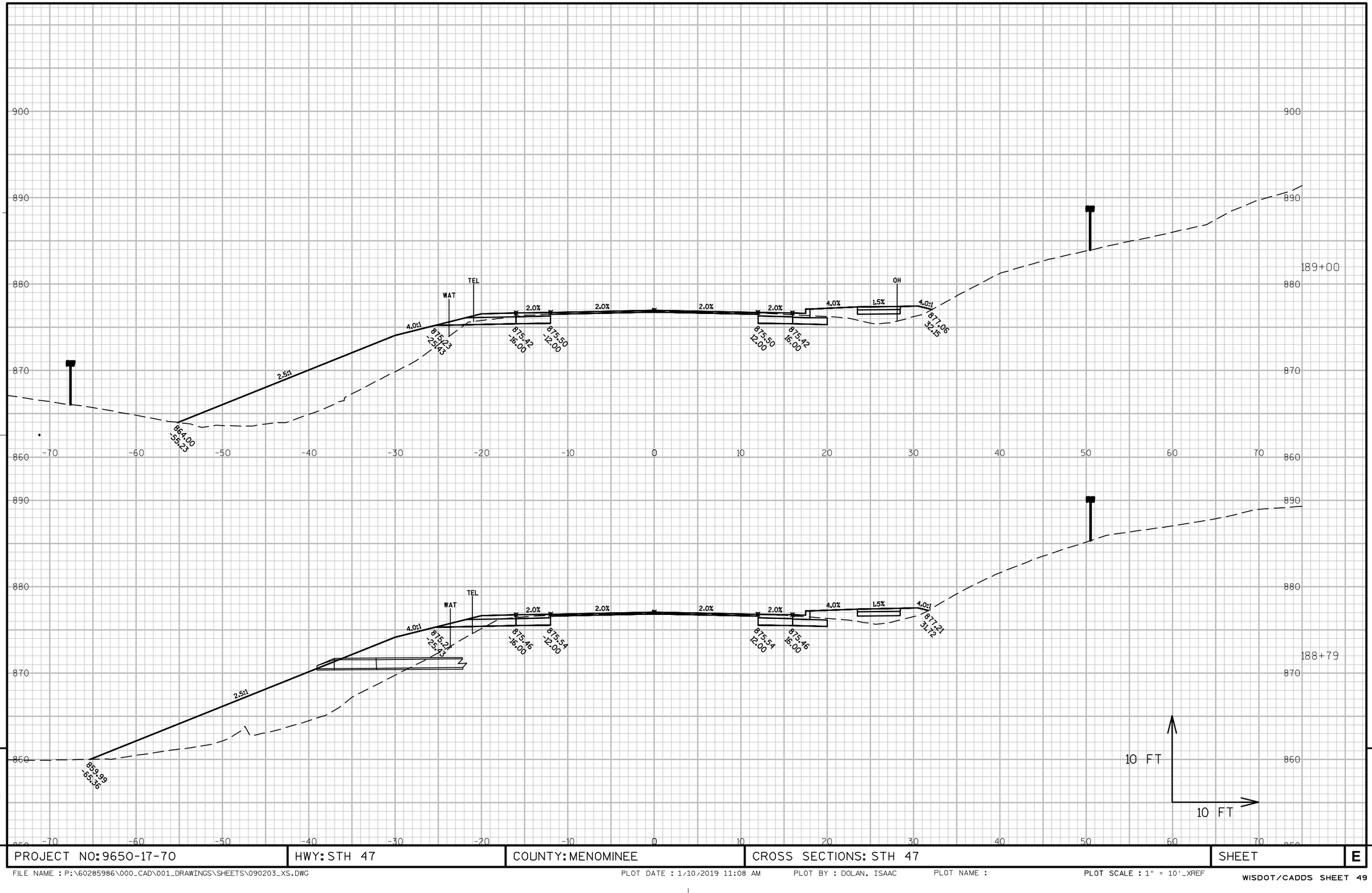

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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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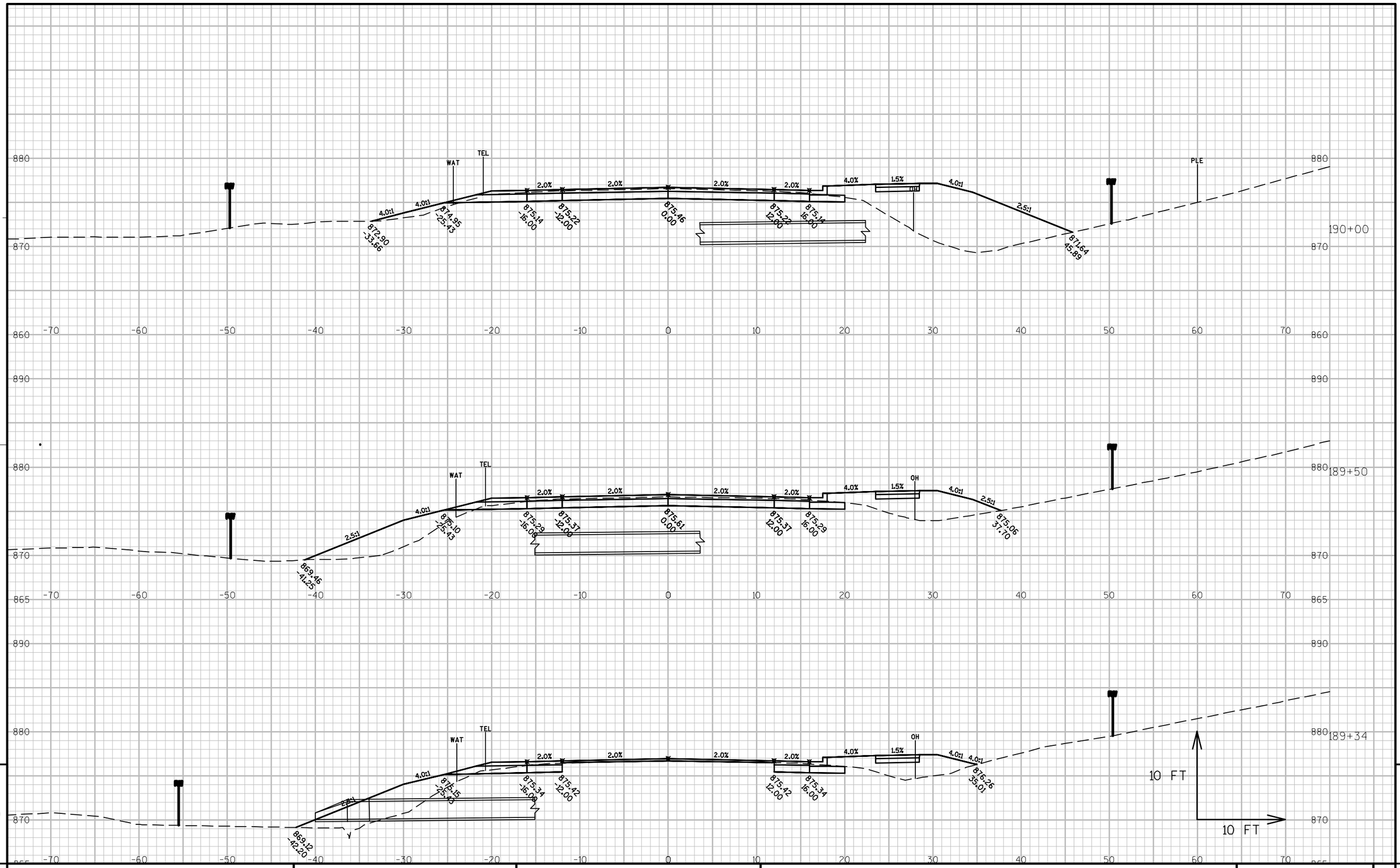
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:08 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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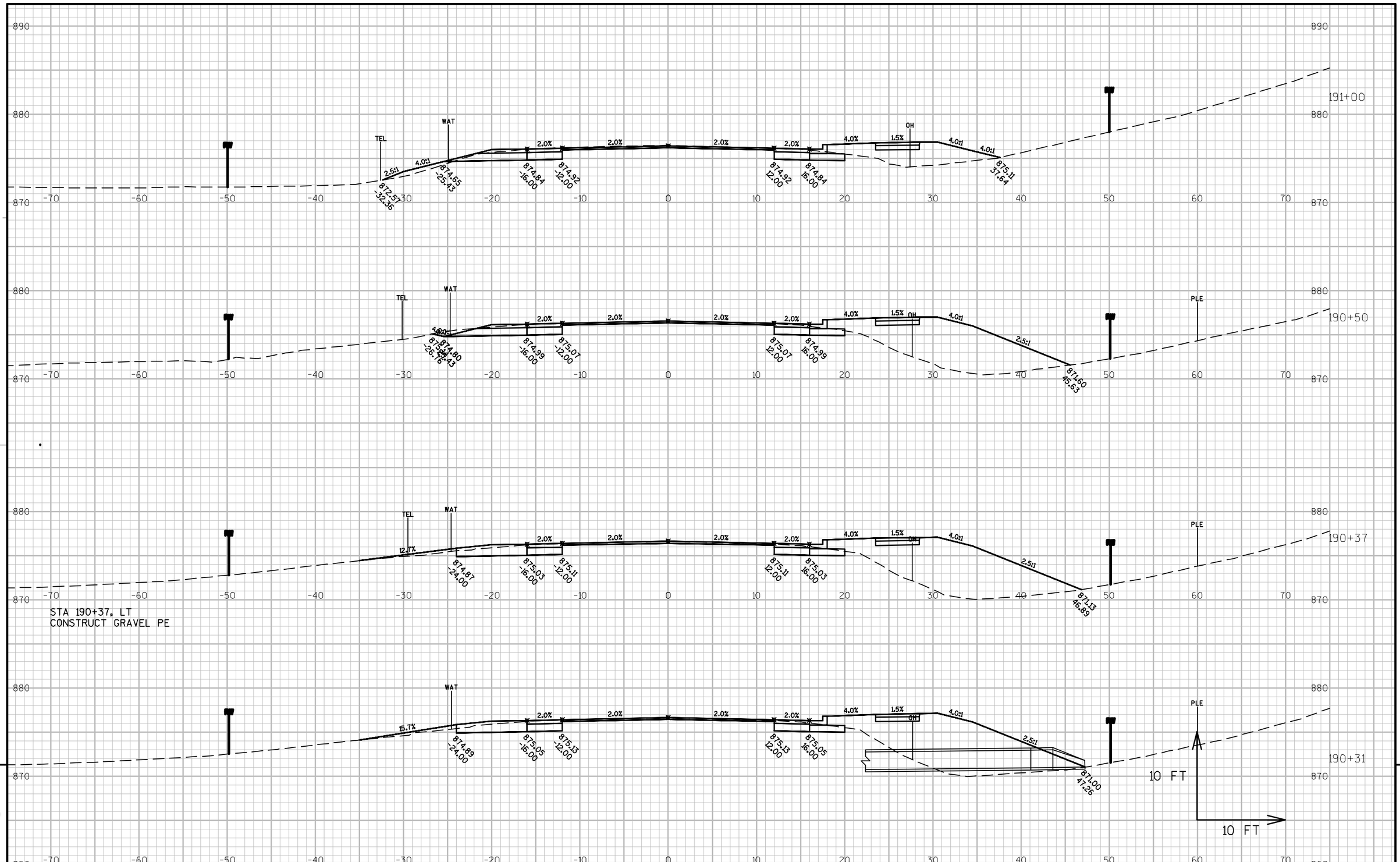
WISDOT/CADDS SHEET 49



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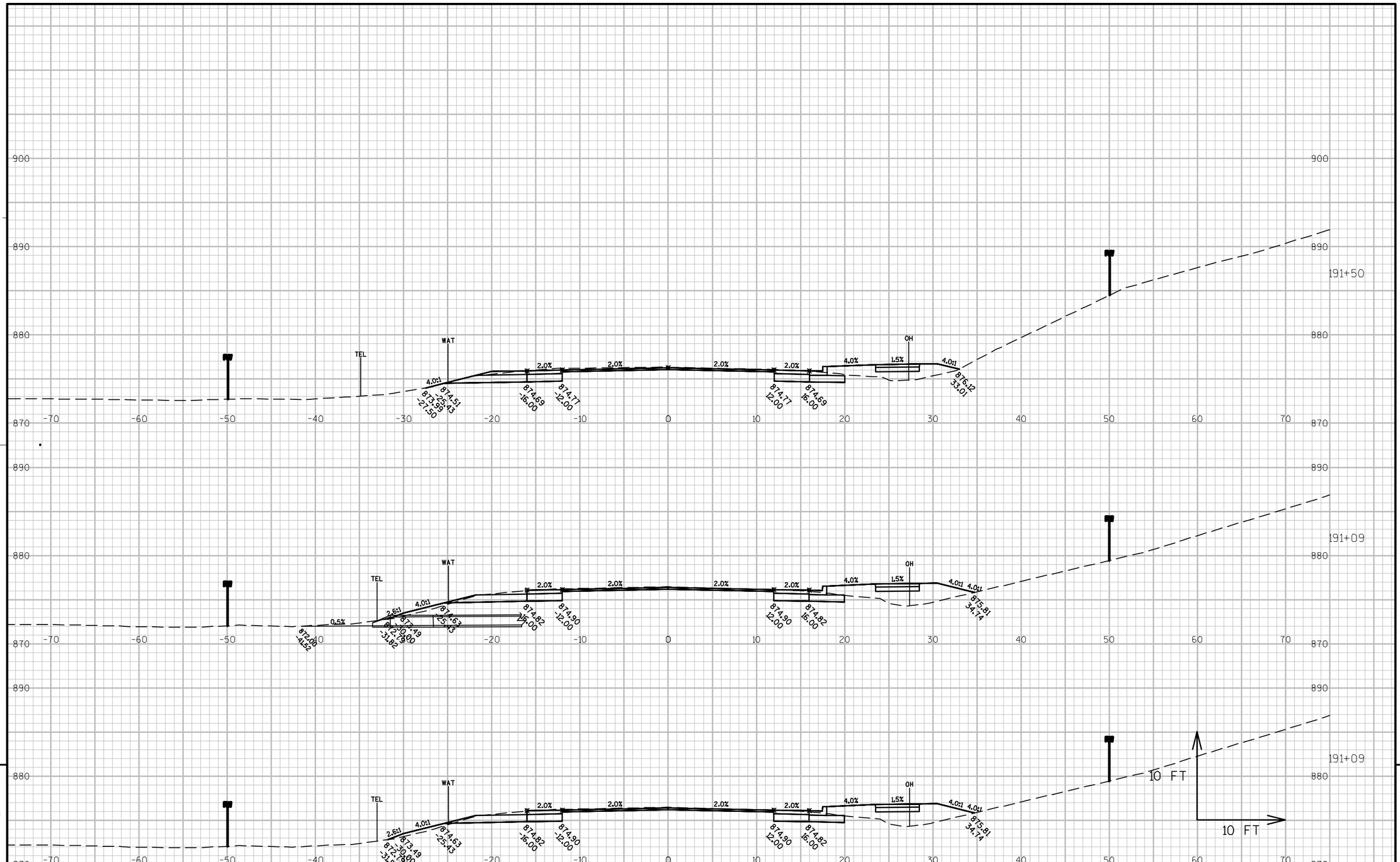
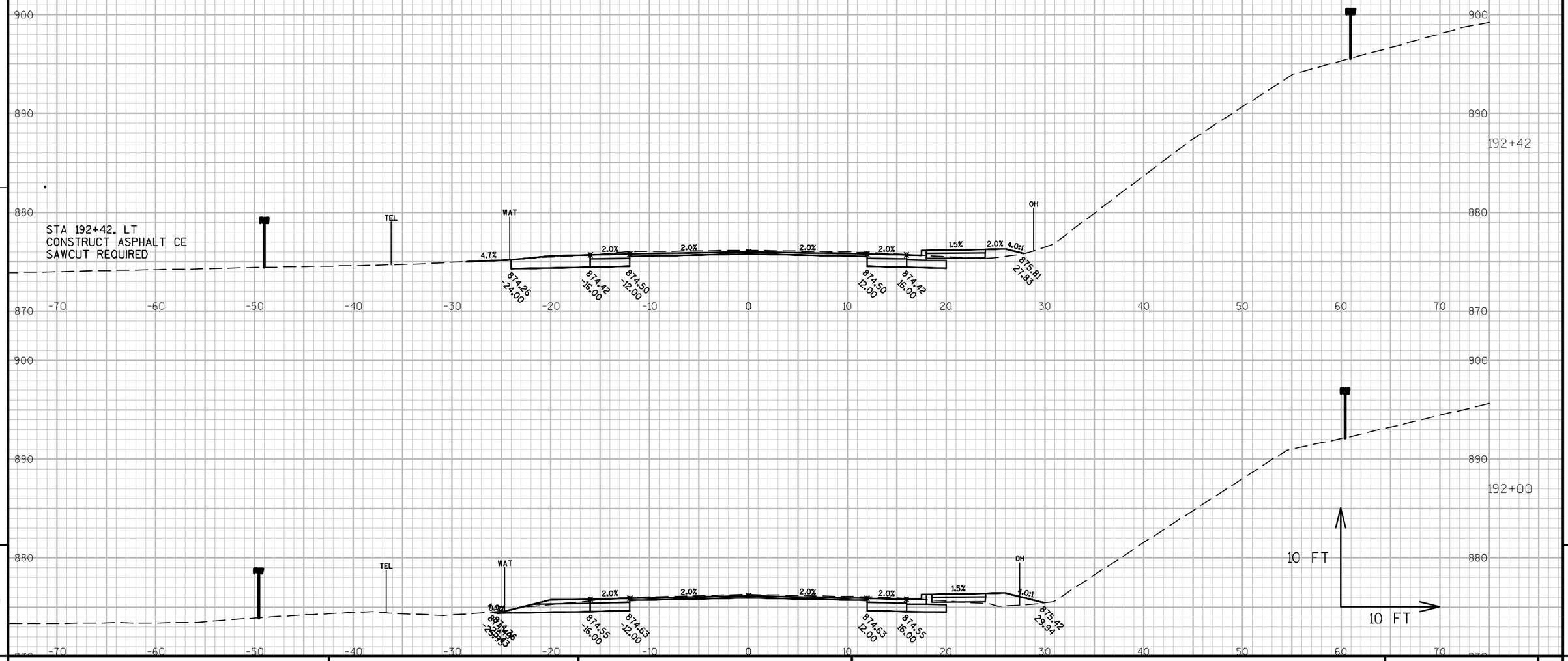


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:08 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF

WISDOT/CADDS SHEET 49

STA 192+42. LT
CONSTRUCT ASPHALT CE
SAWCUT REQUIRED



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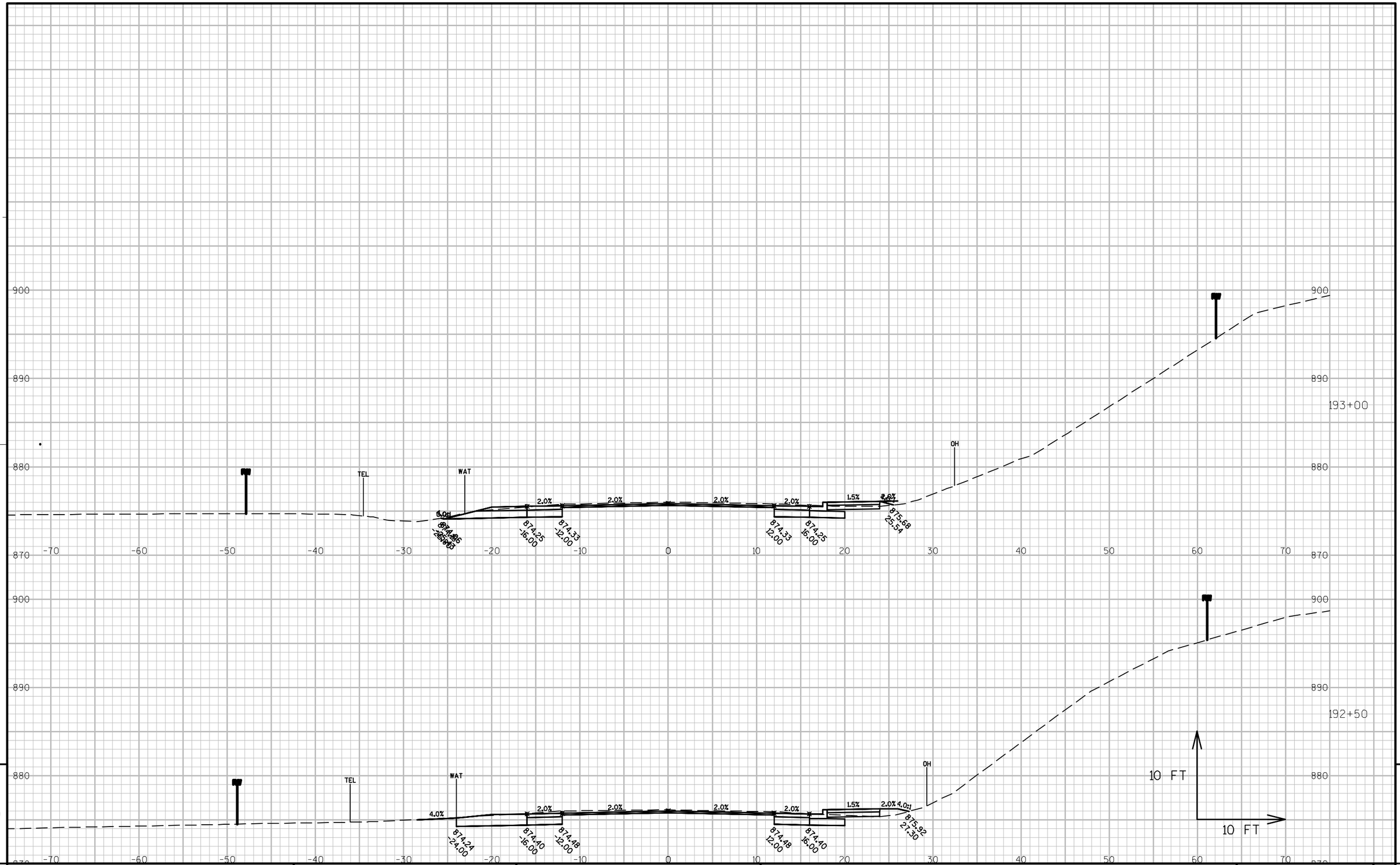
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:08 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF



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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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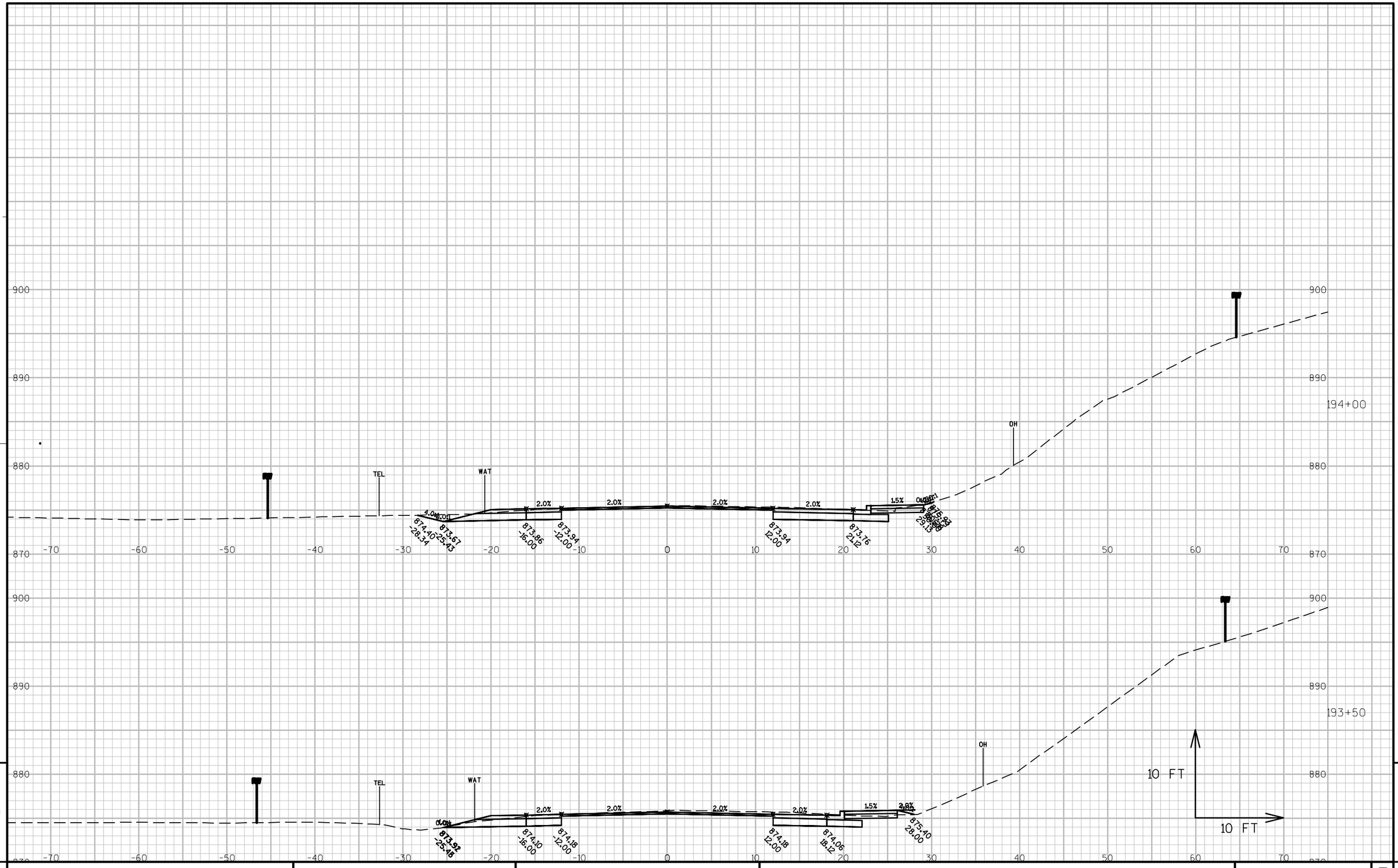
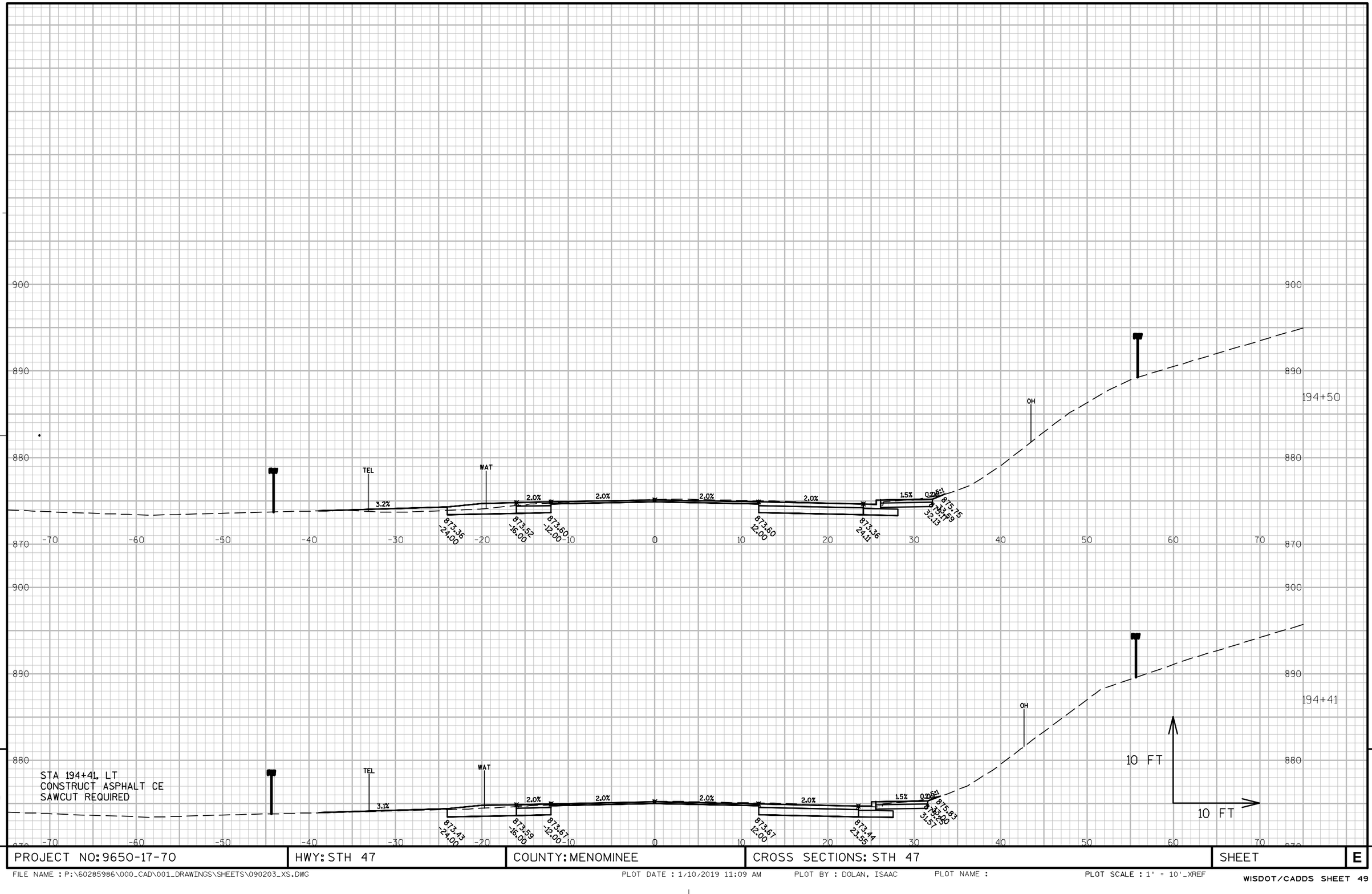
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:09 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:09 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF



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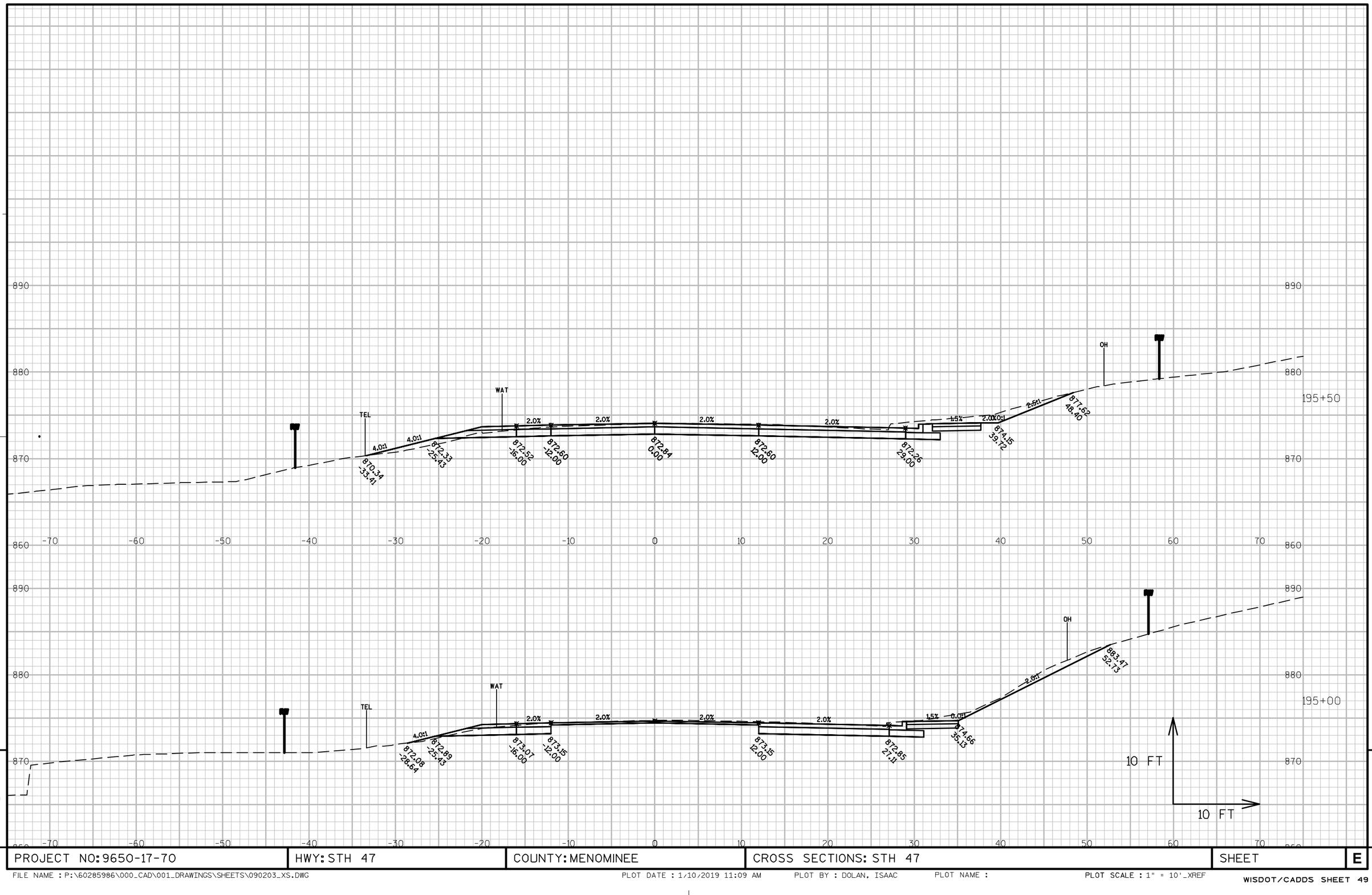

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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

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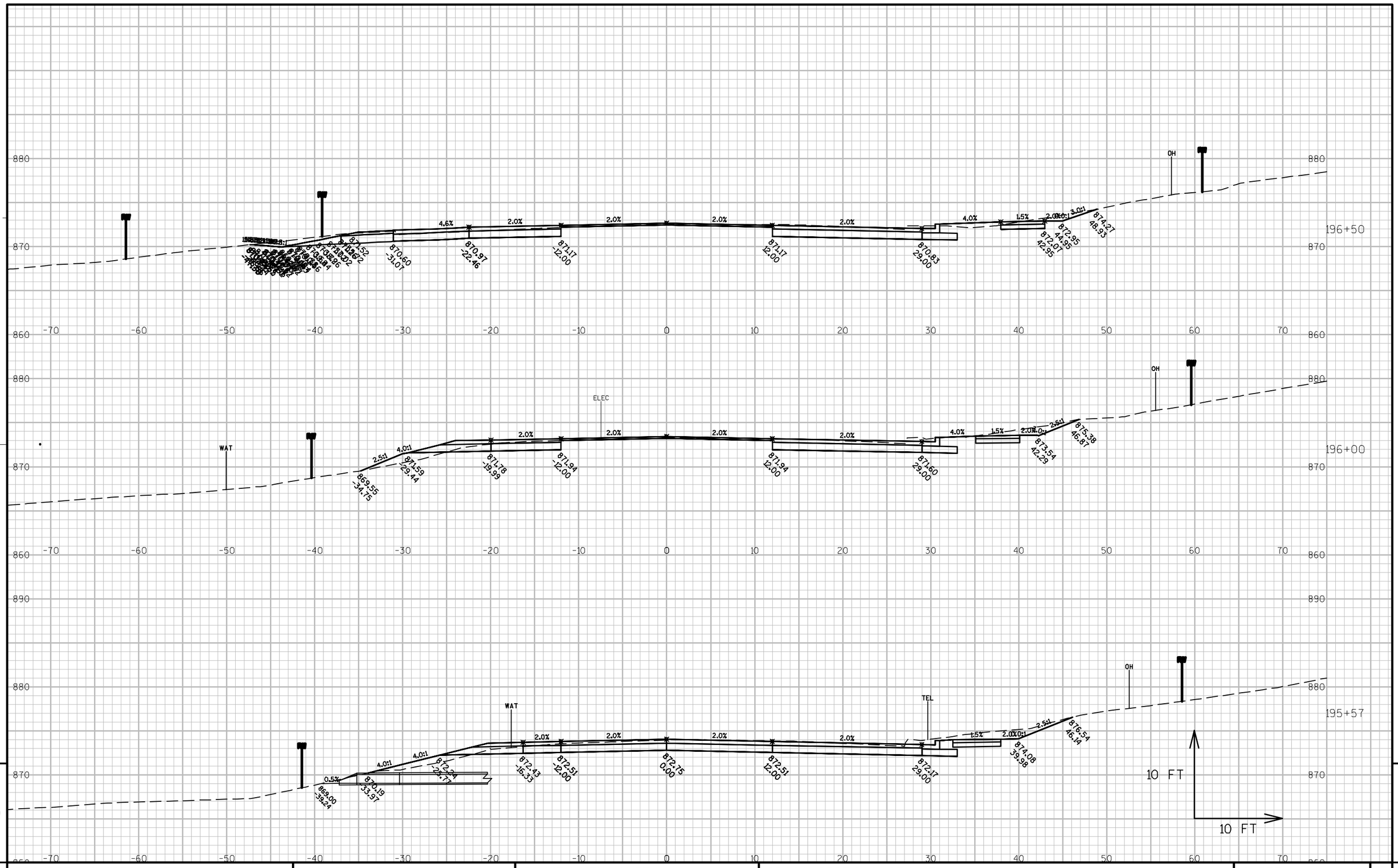
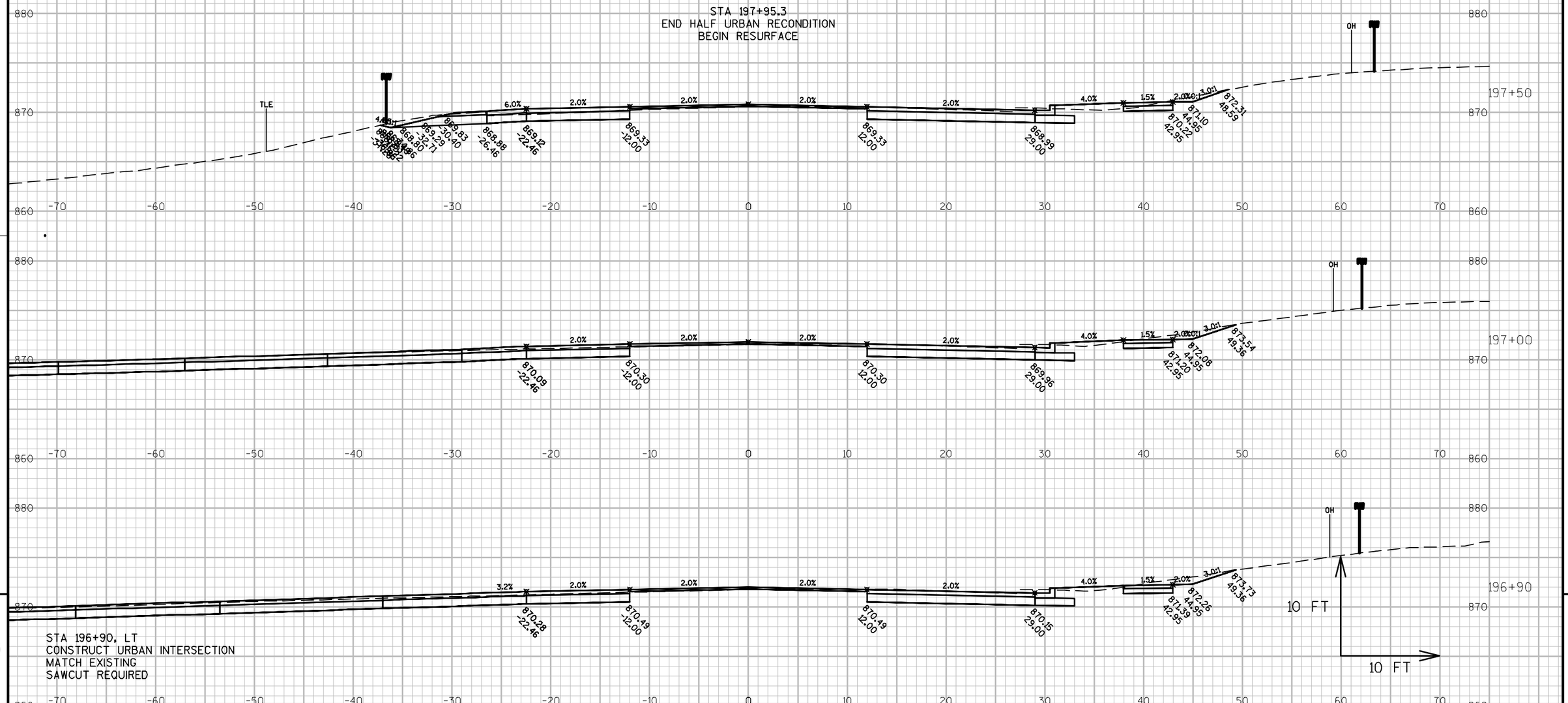


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

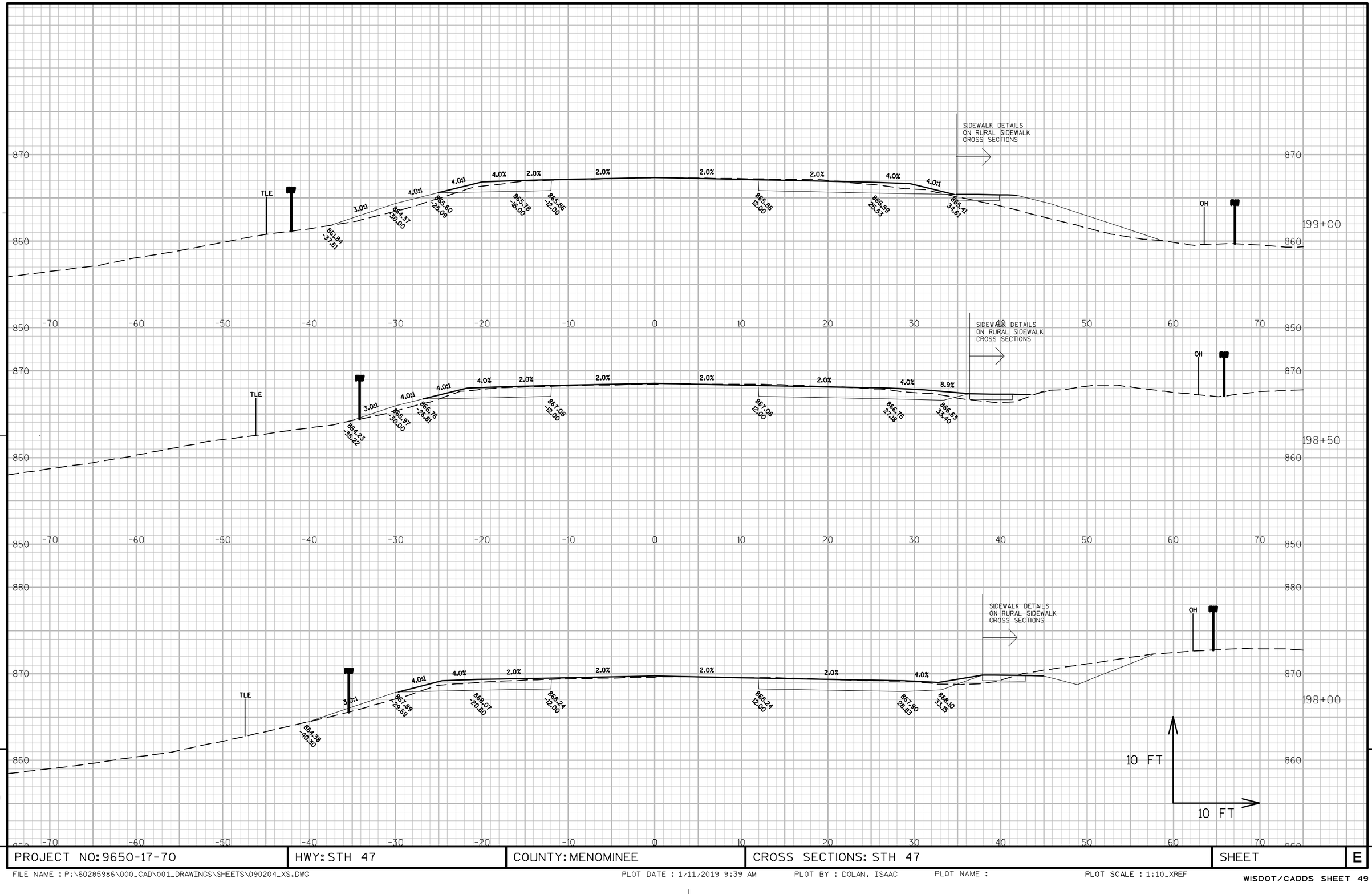
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090203_XS.DWG PLOT DATE : 1/10/2019 11:09 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1" = 10'_XREF

STA 197+95.3
END HALF URBAN RECONDITION
BEGIN RESURFACE



STA 196+90, LT
CONSTRUCT URBAN INTERSECTION
MATCH EXISTING
SAWCUT REQUIRED

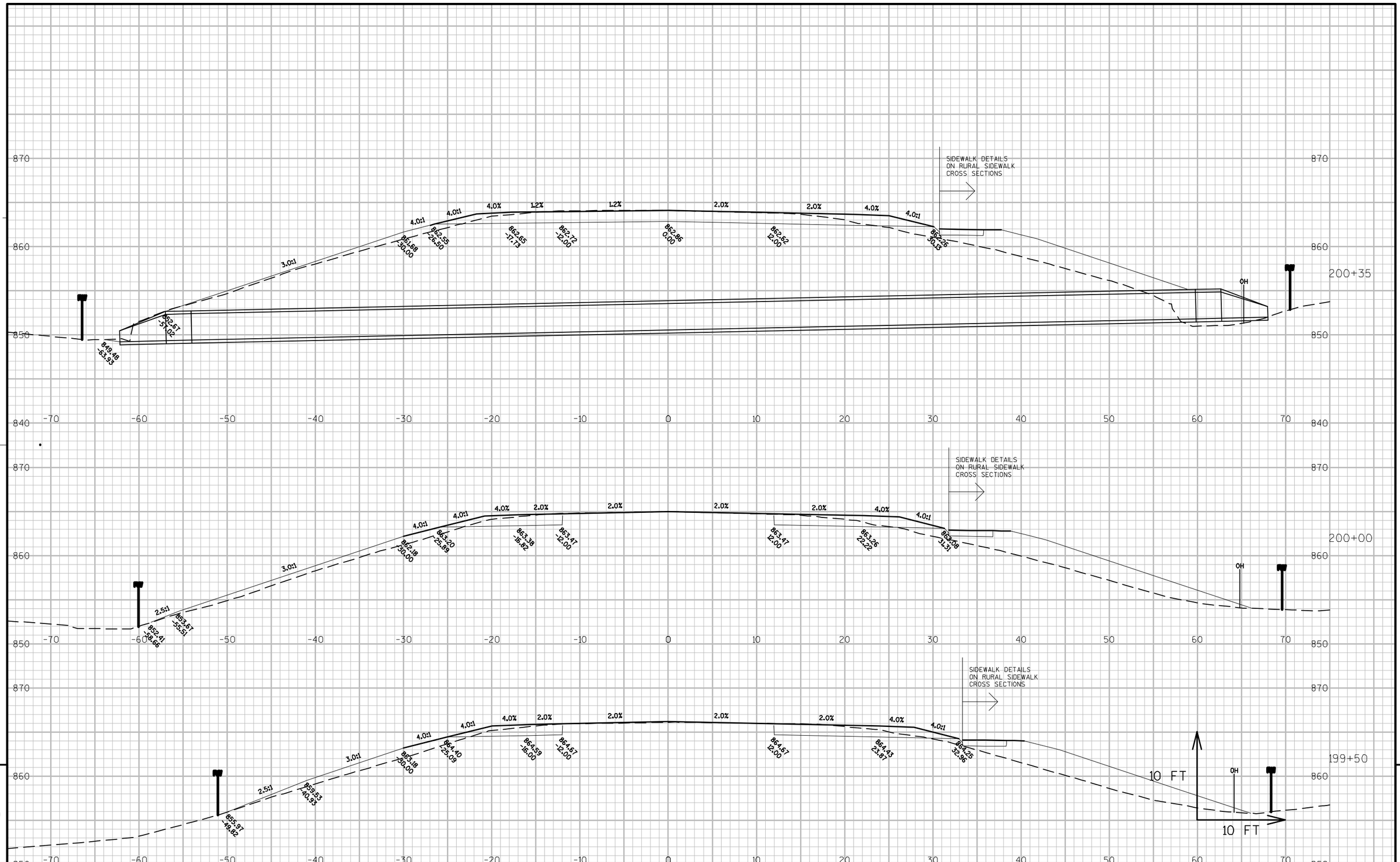
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:39 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

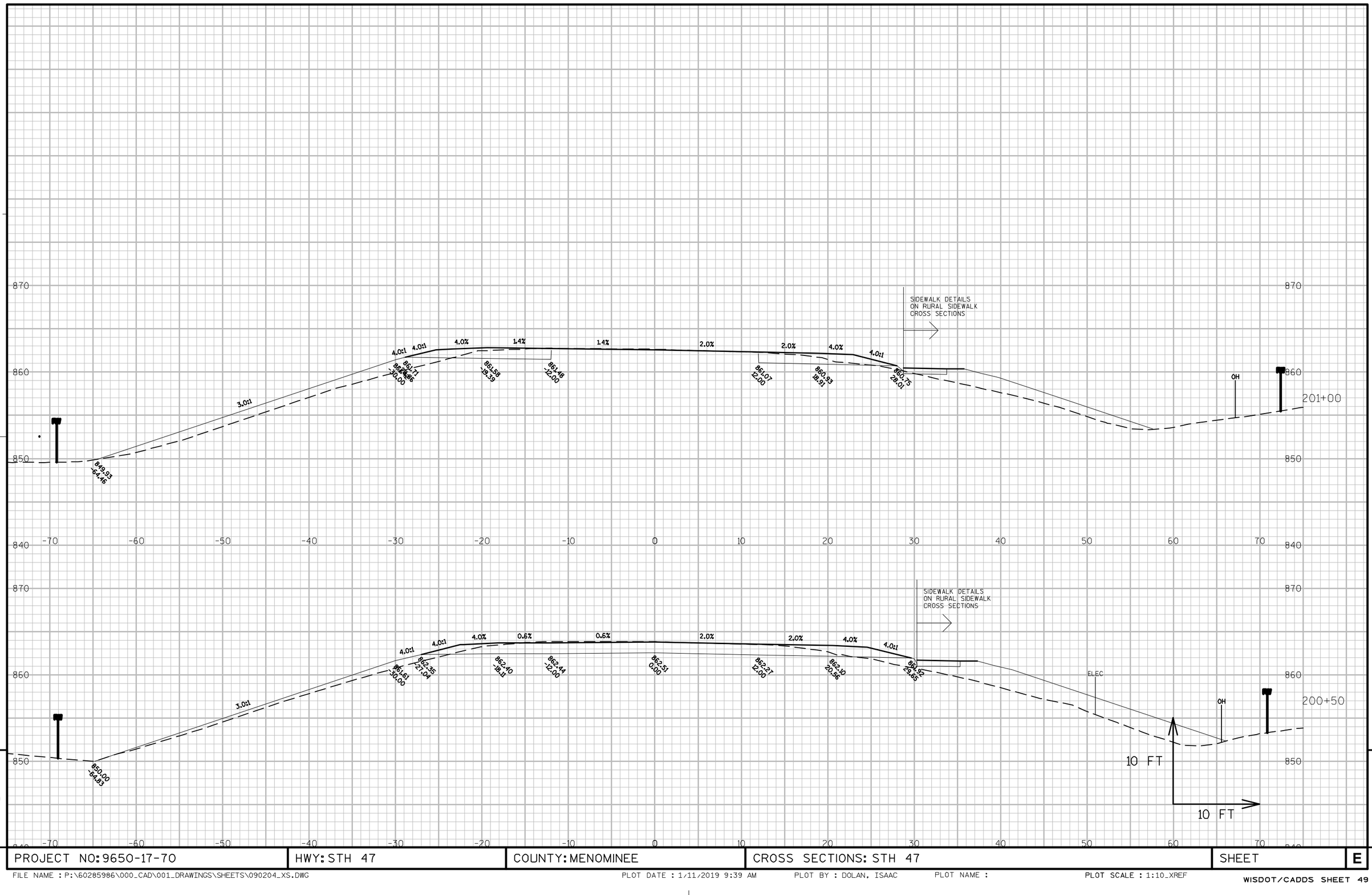
WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

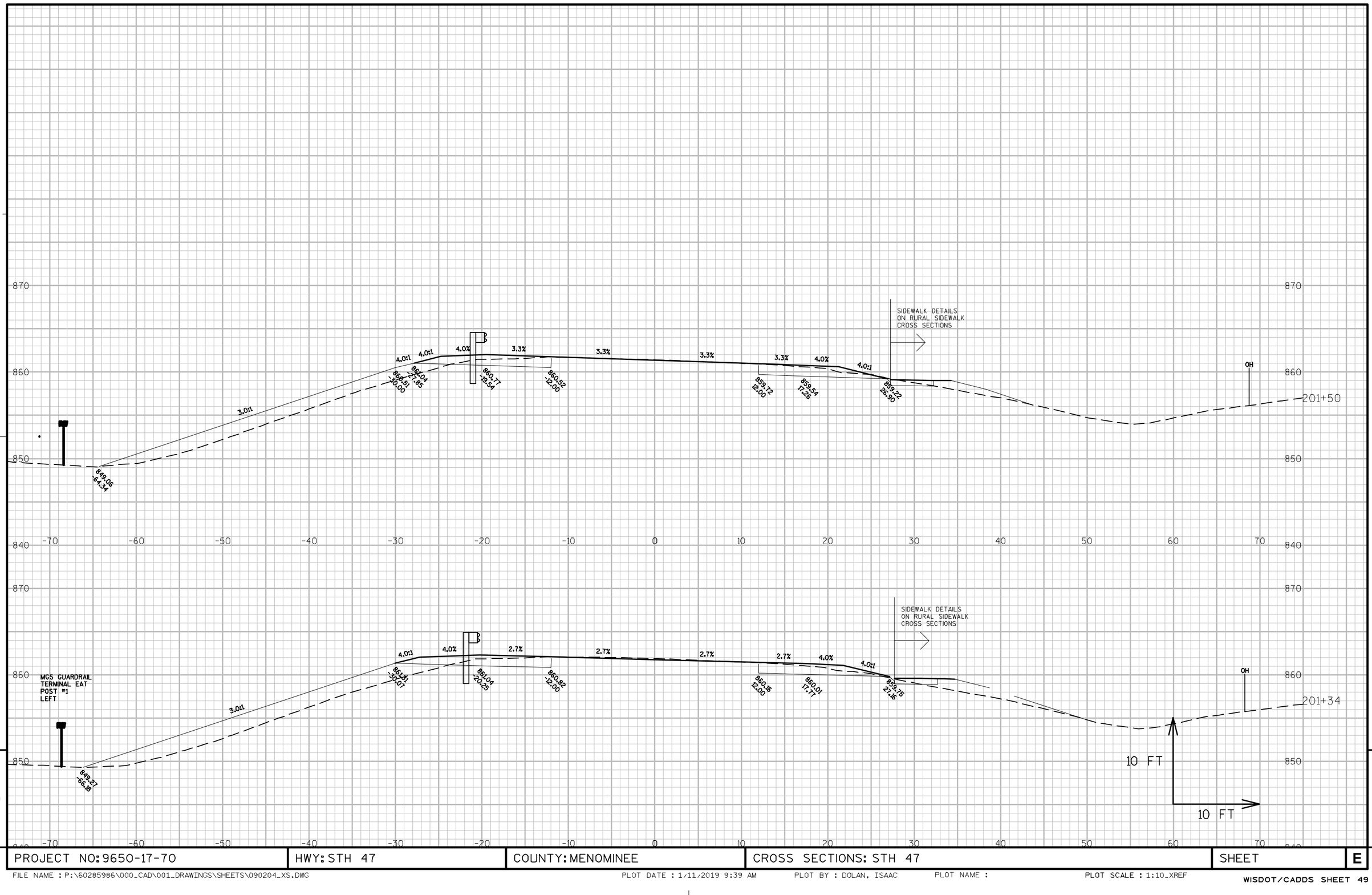
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:39 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



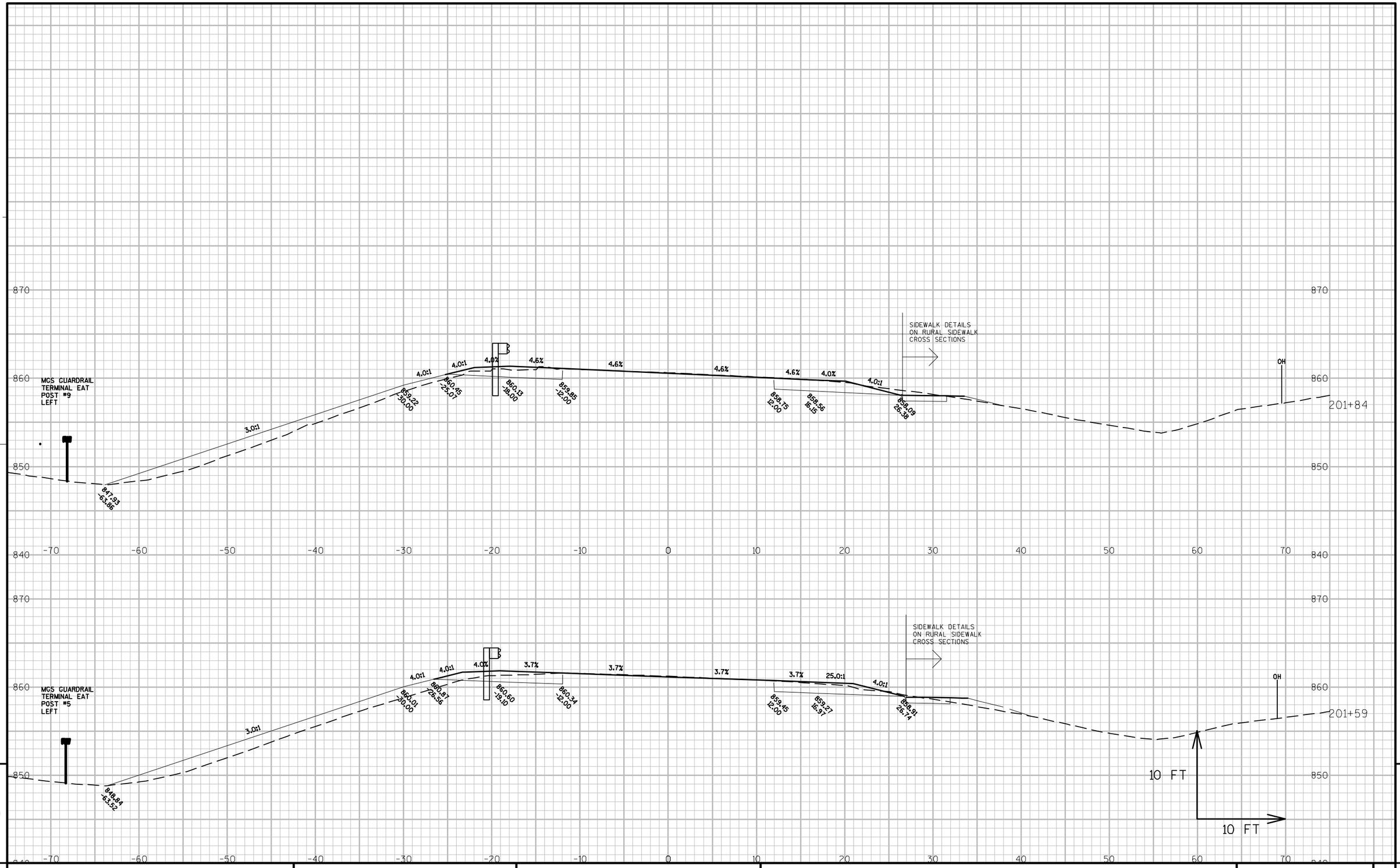
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:39 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:39 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



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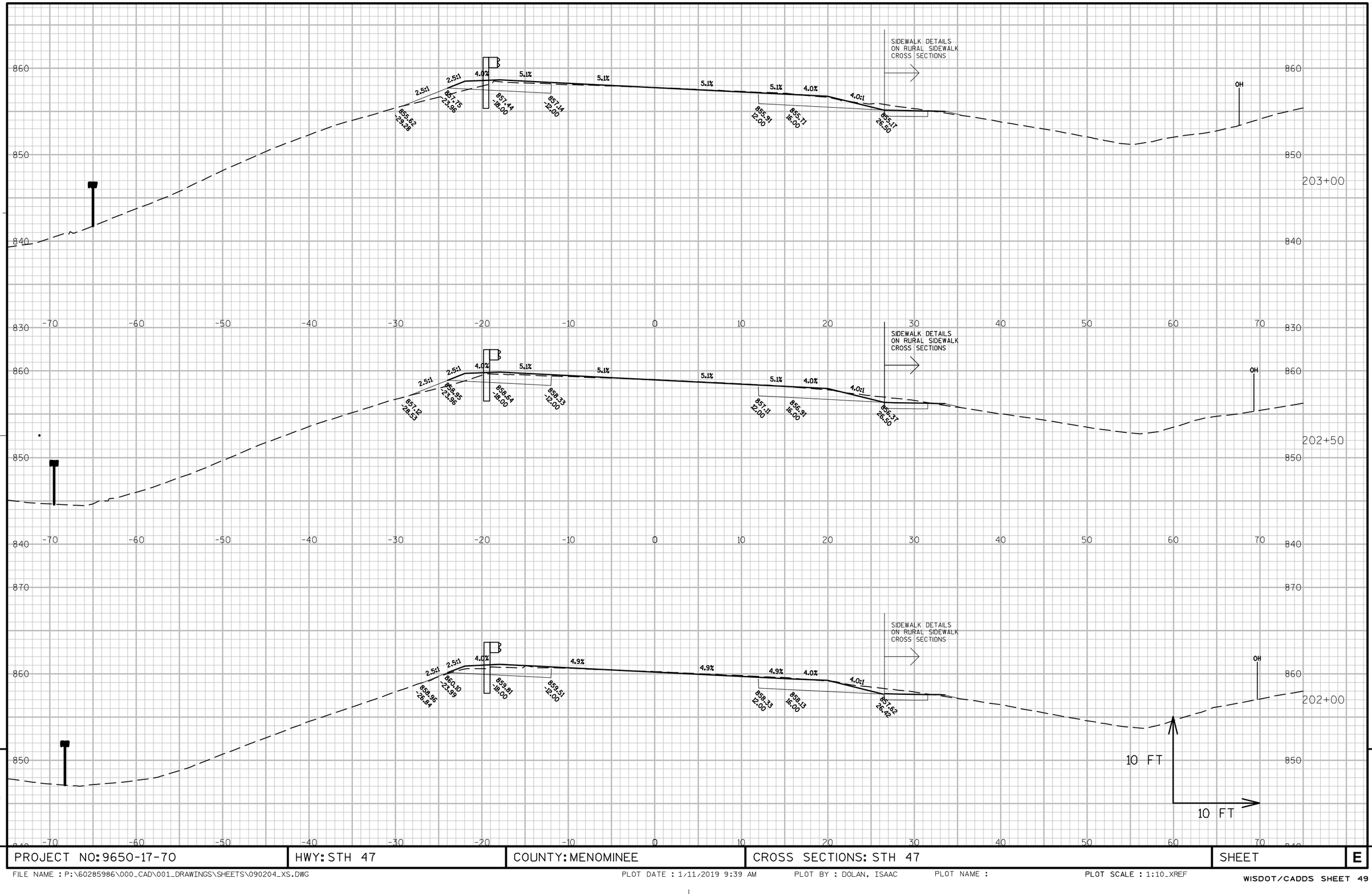
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

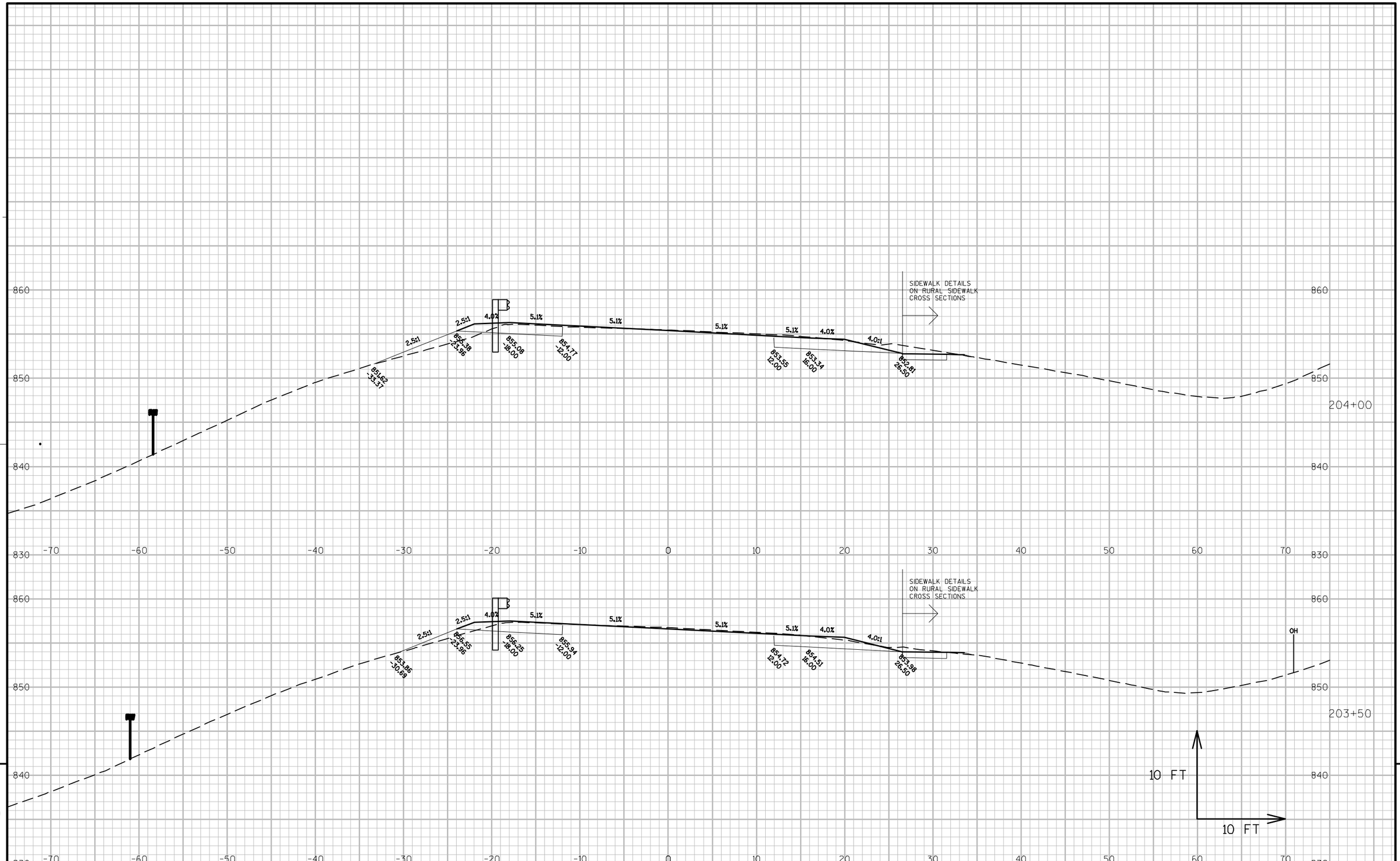
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:39 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

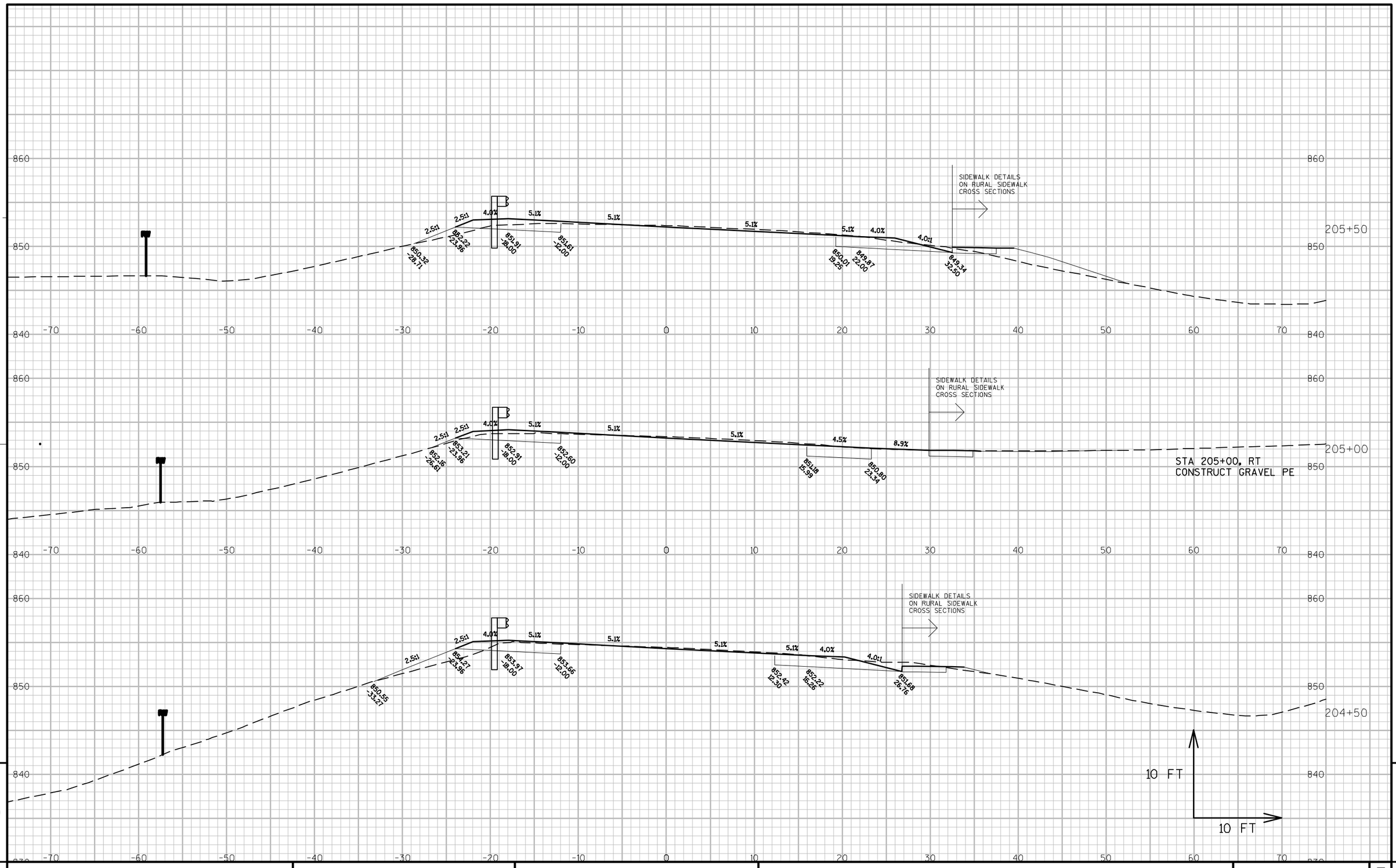
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:39 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:39 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



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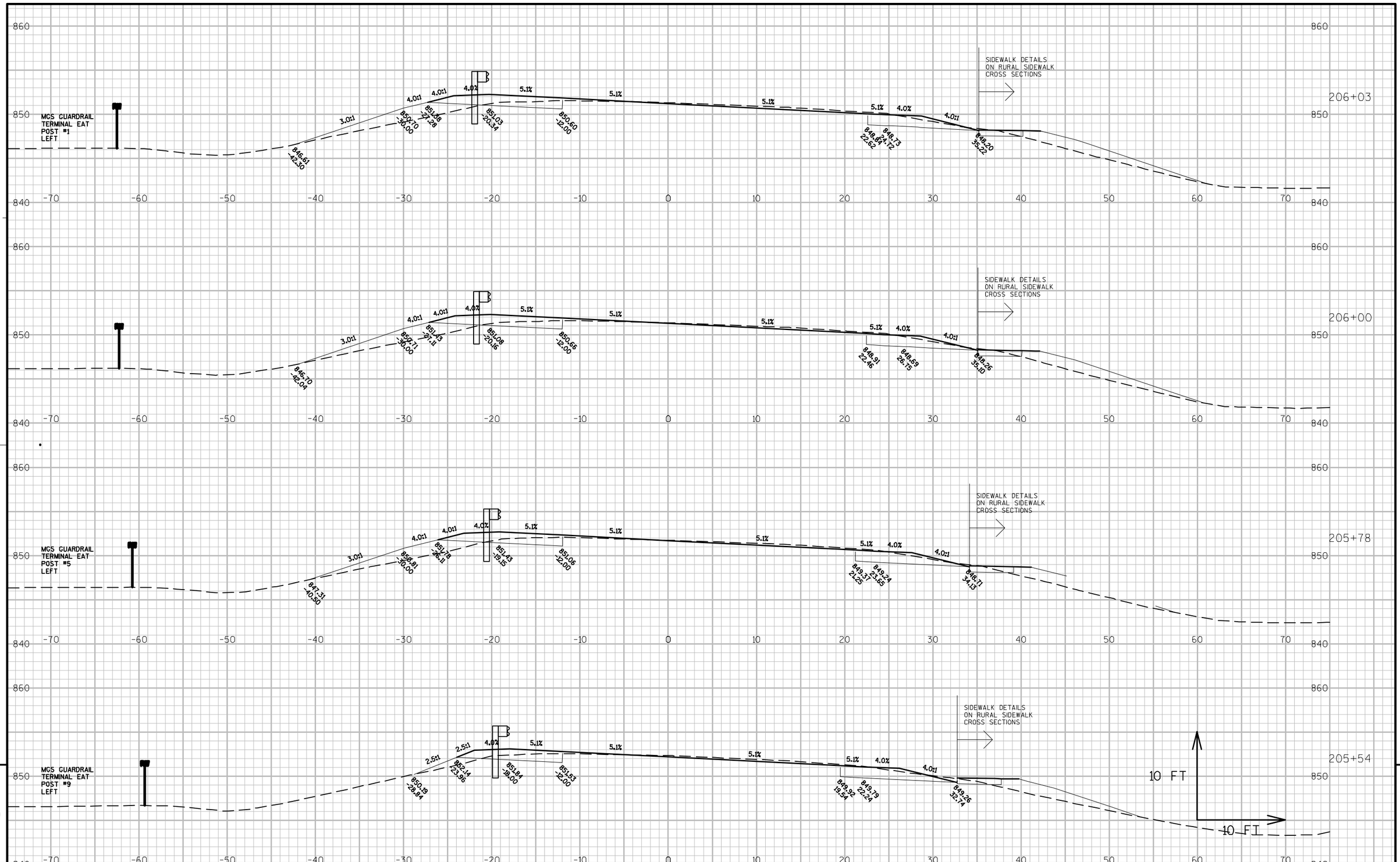
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

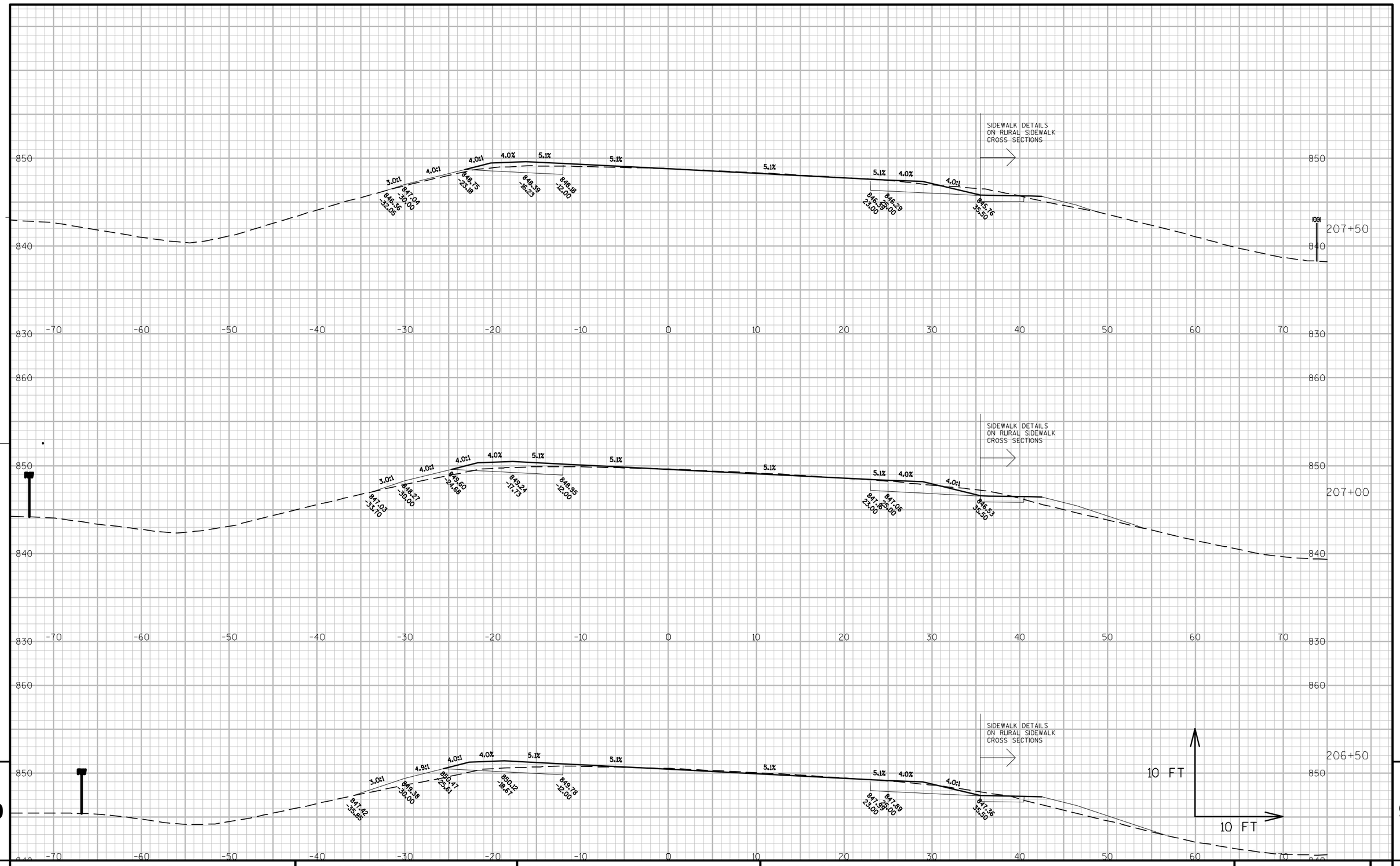
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:39 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:39 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

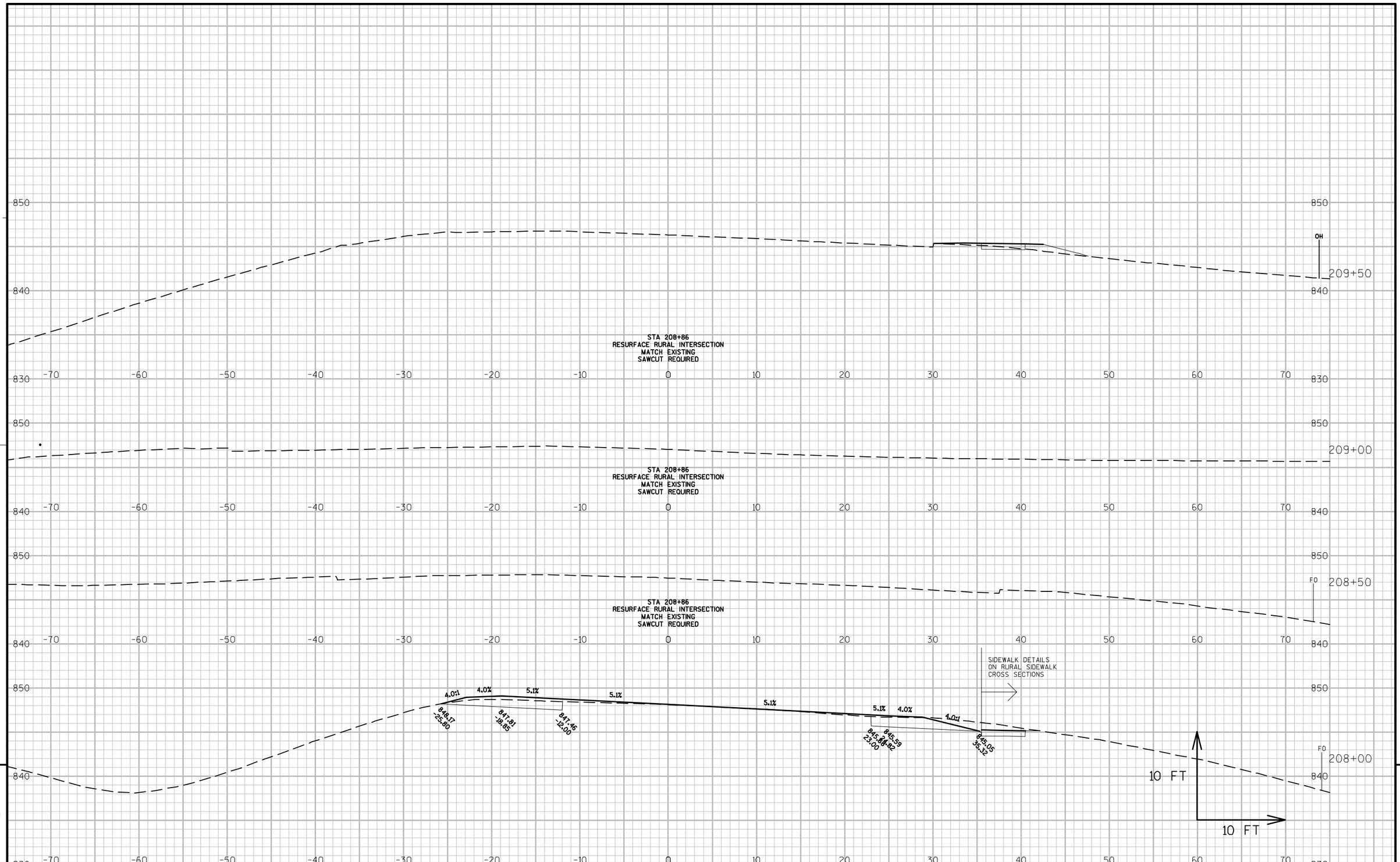
WISDOT/CADDS SHEET 49



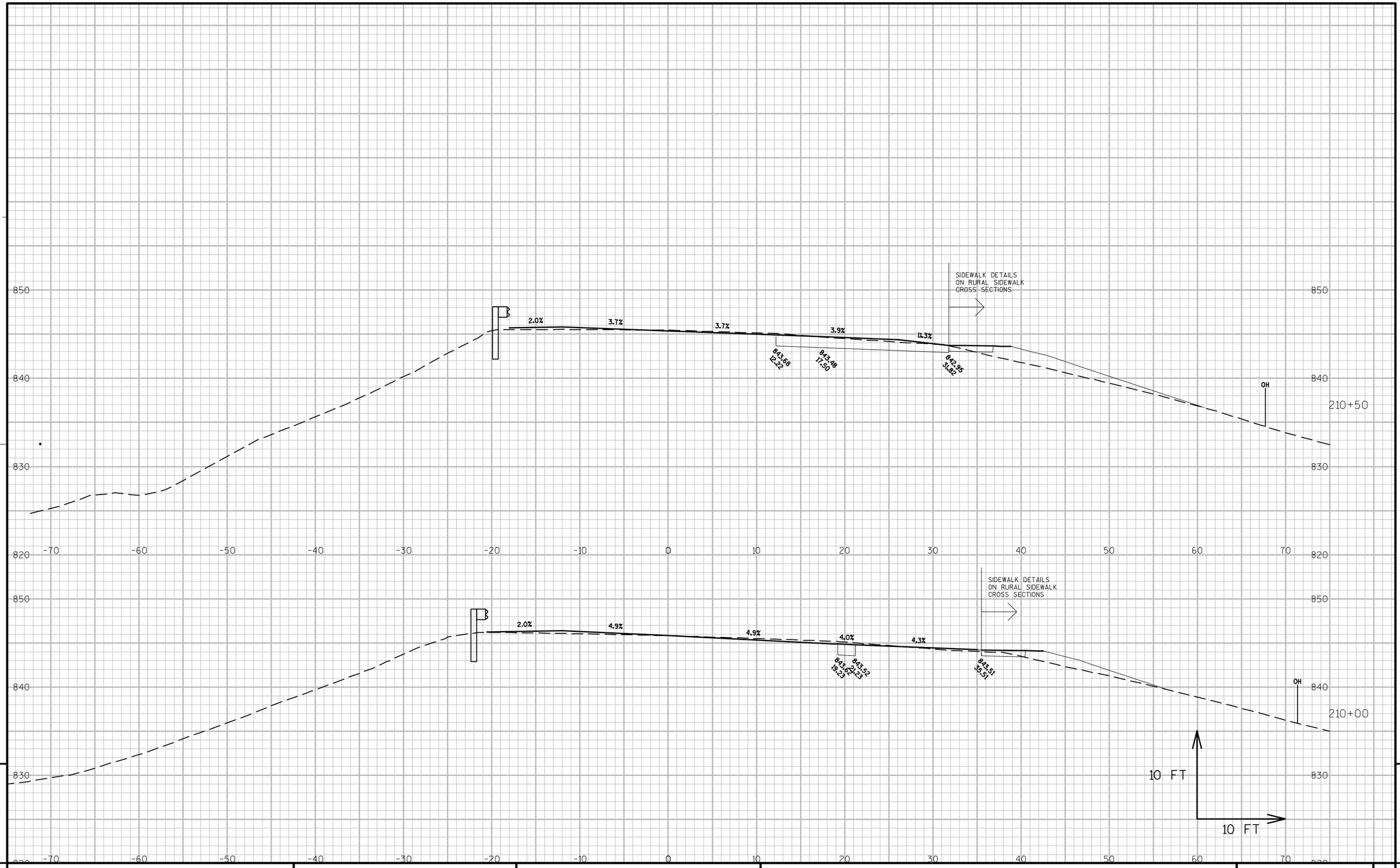
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:39 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



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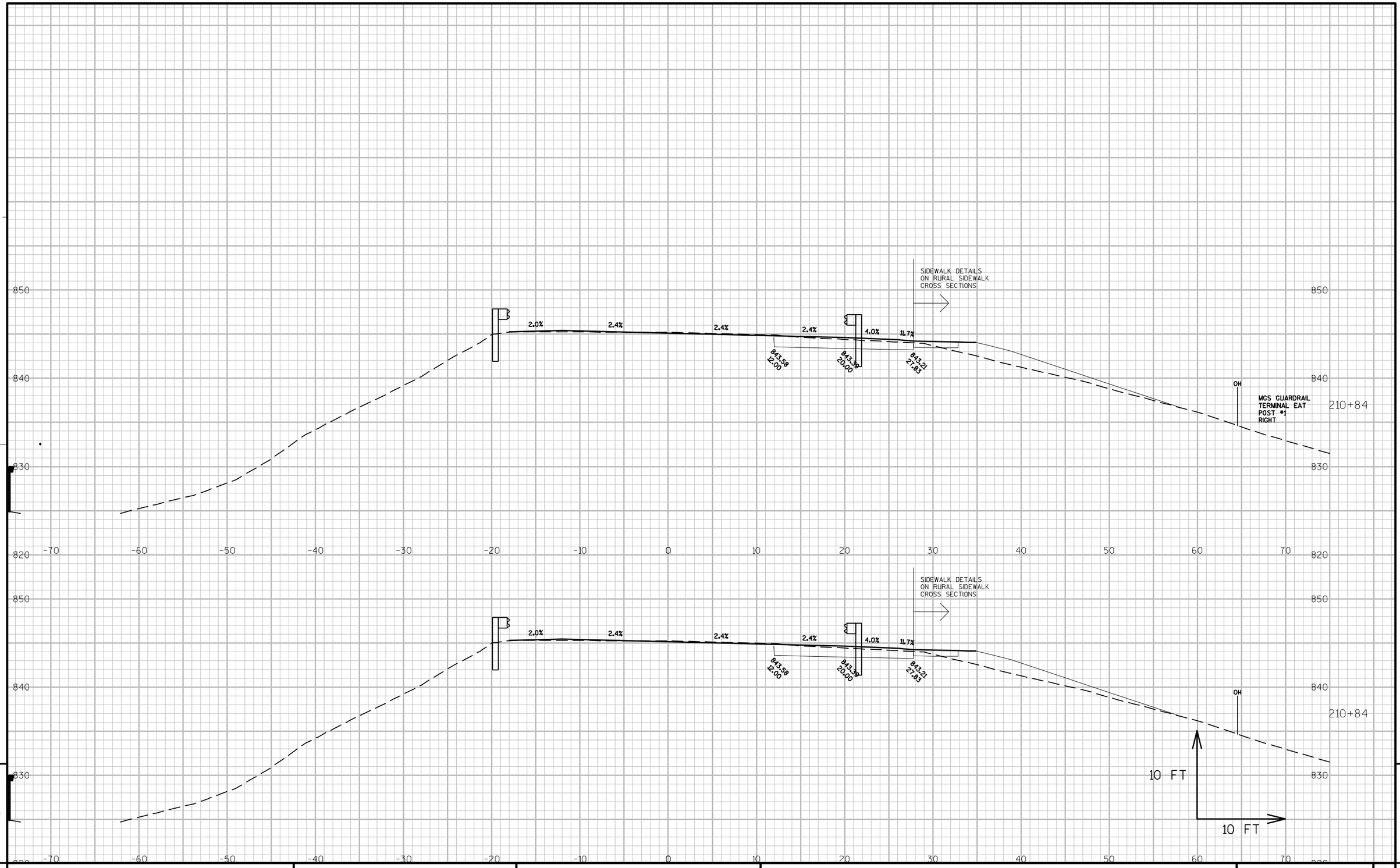
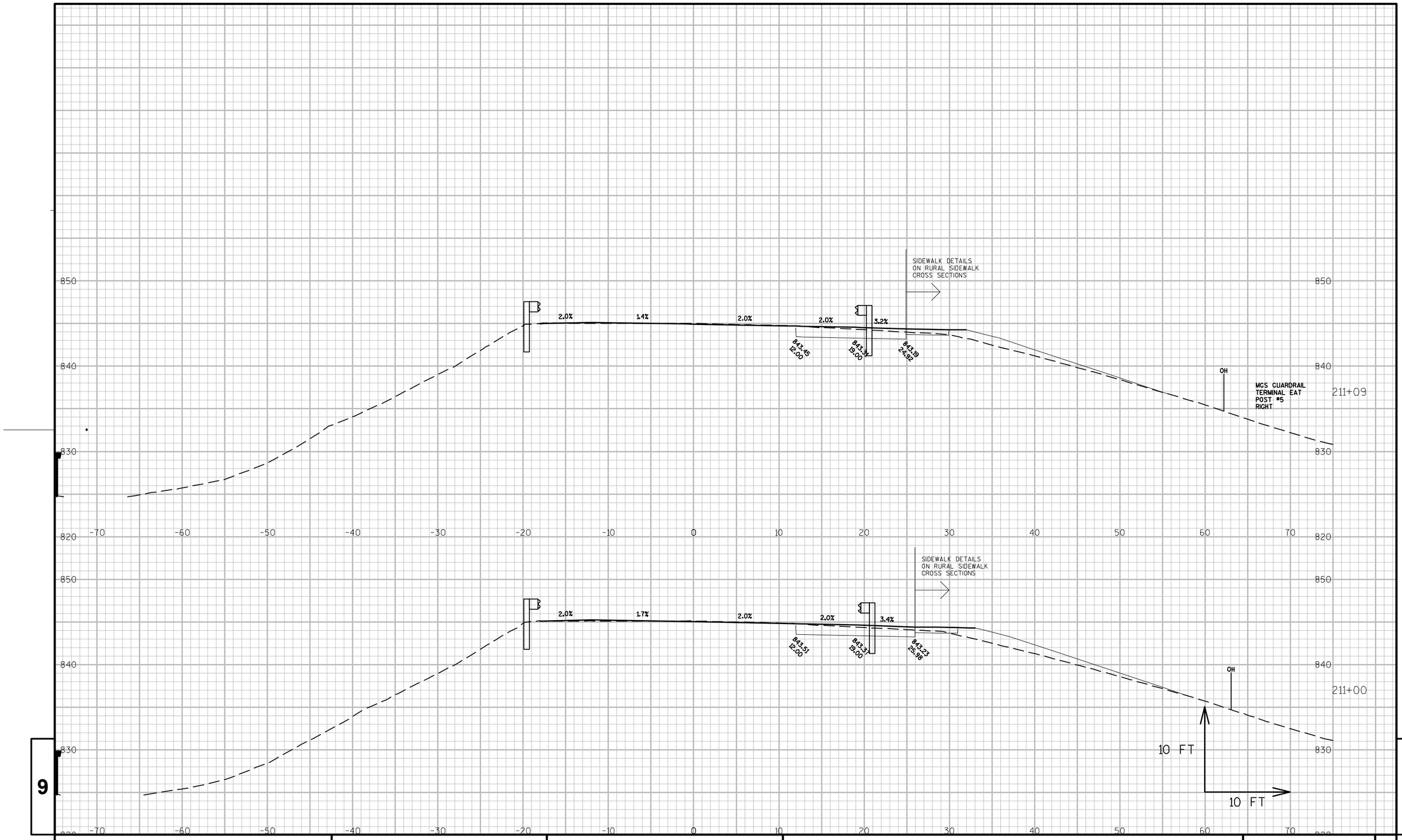
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:40 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:40 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



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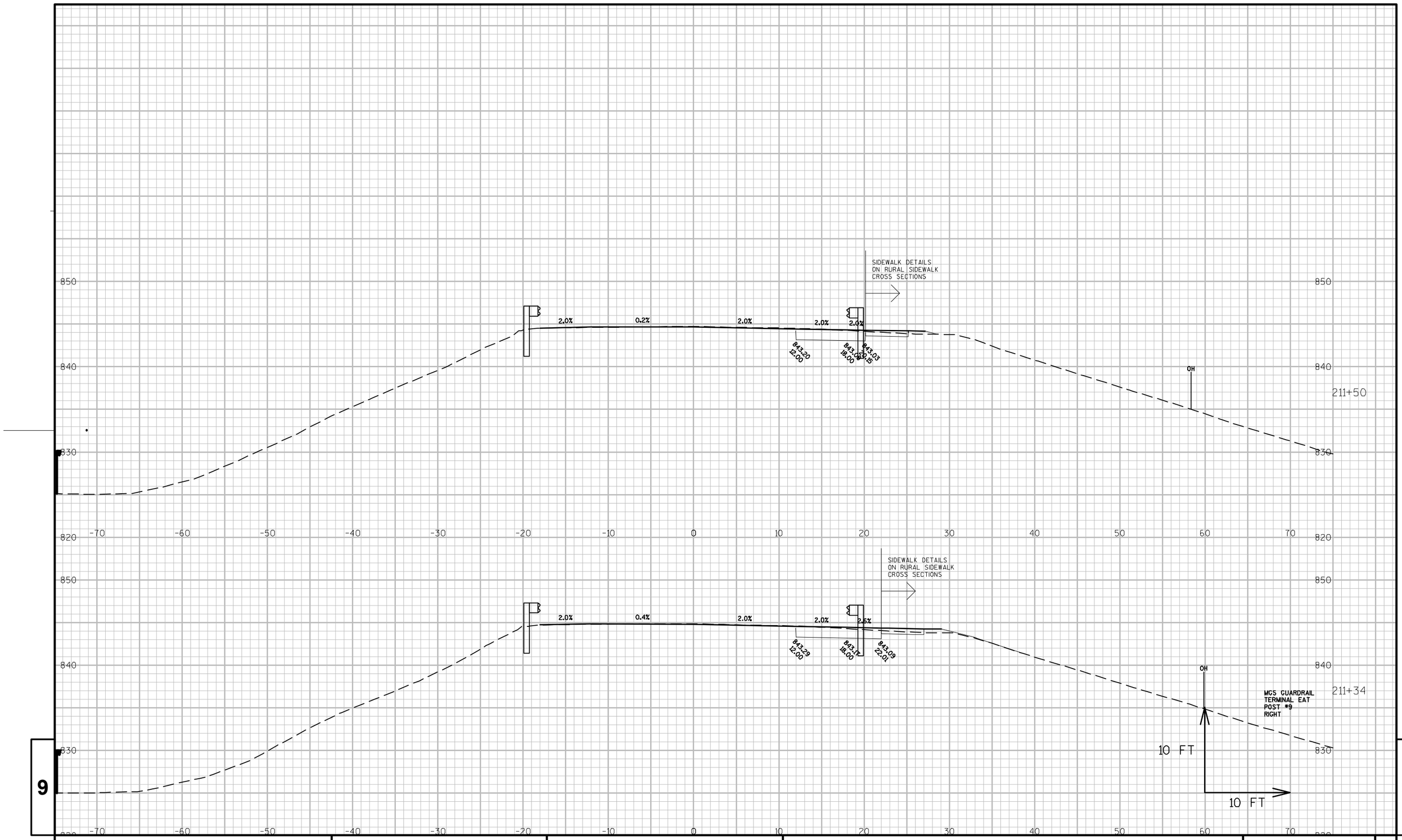
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:40 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:40 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

SEE PROJECT 9650-17-61
STRUCTURE PLANS FOR
MORE INFORMATION

END CONSTRUCTION 9650-17-70
BEGIN PROJECT 9650-17-61
STA 212+12.34

214+00

212+12

212+00

OH

OH

SIDEWALK DETAILS
ON RURAL SIDEWALK
CROSS SECTIONS

2.0%

2.0%

2.0%

2.0%

1.4%

842.91
12.00

842.74
18.00

842.15

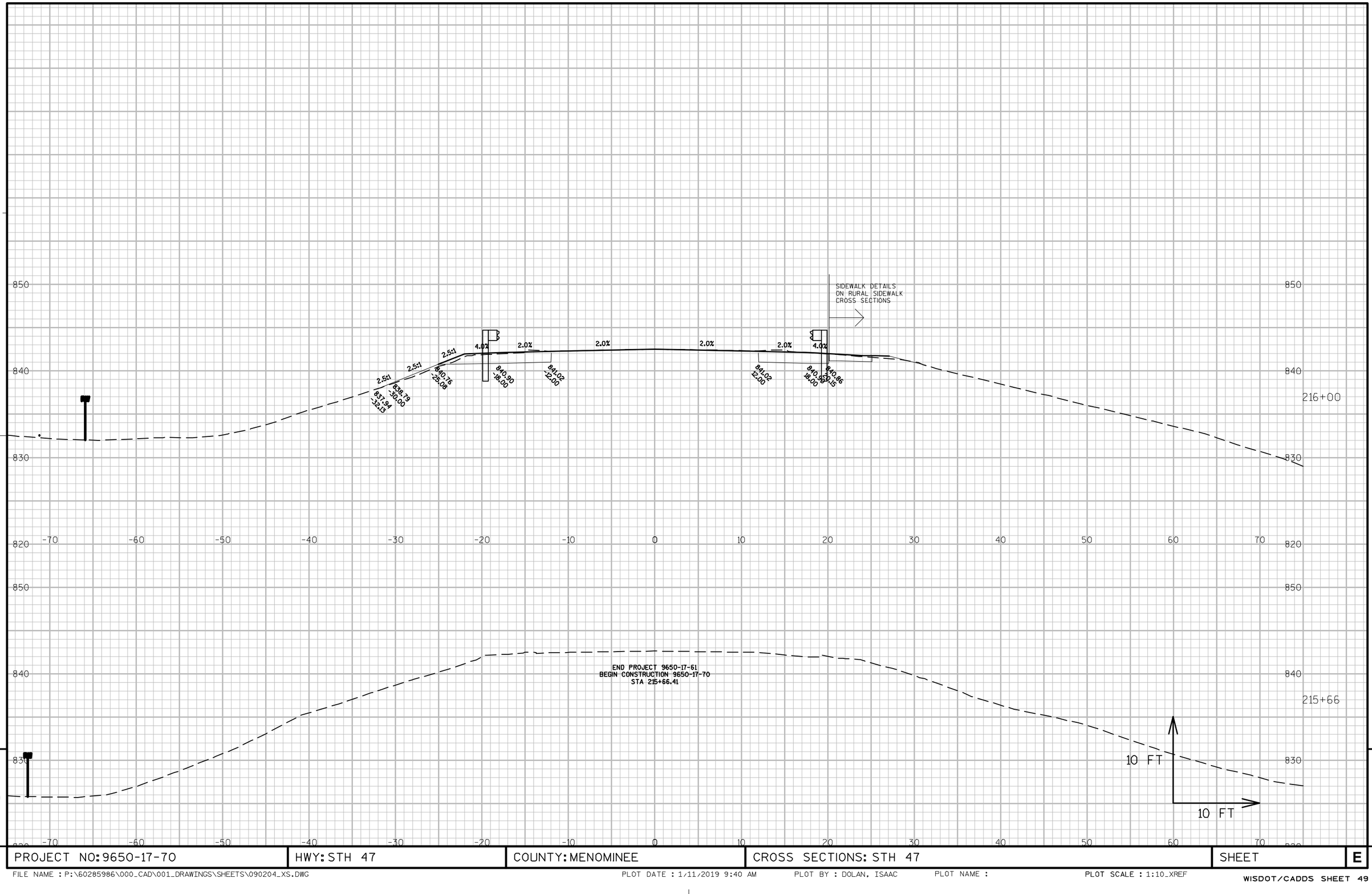
10 FT

10 FT

9

9

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



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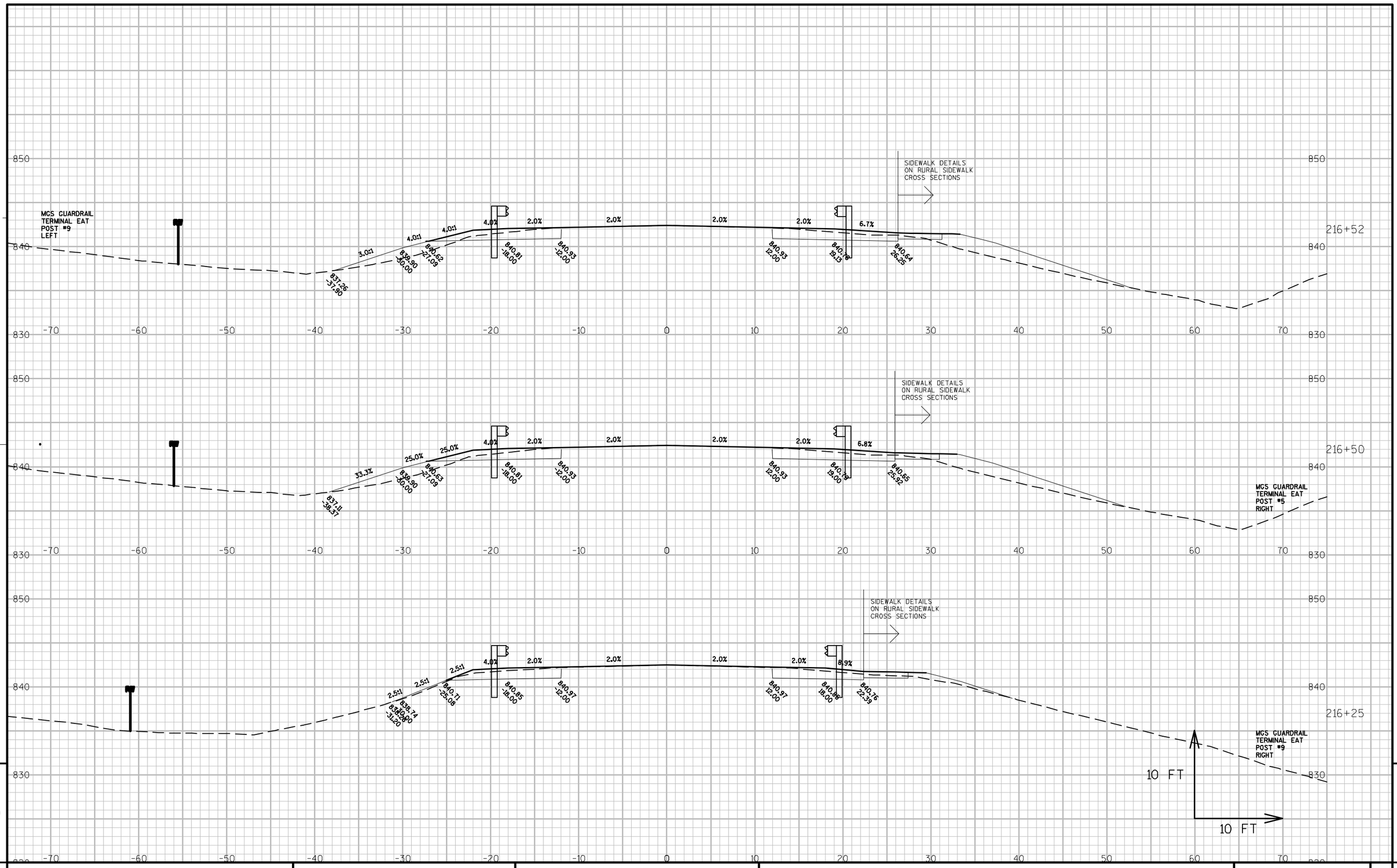
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



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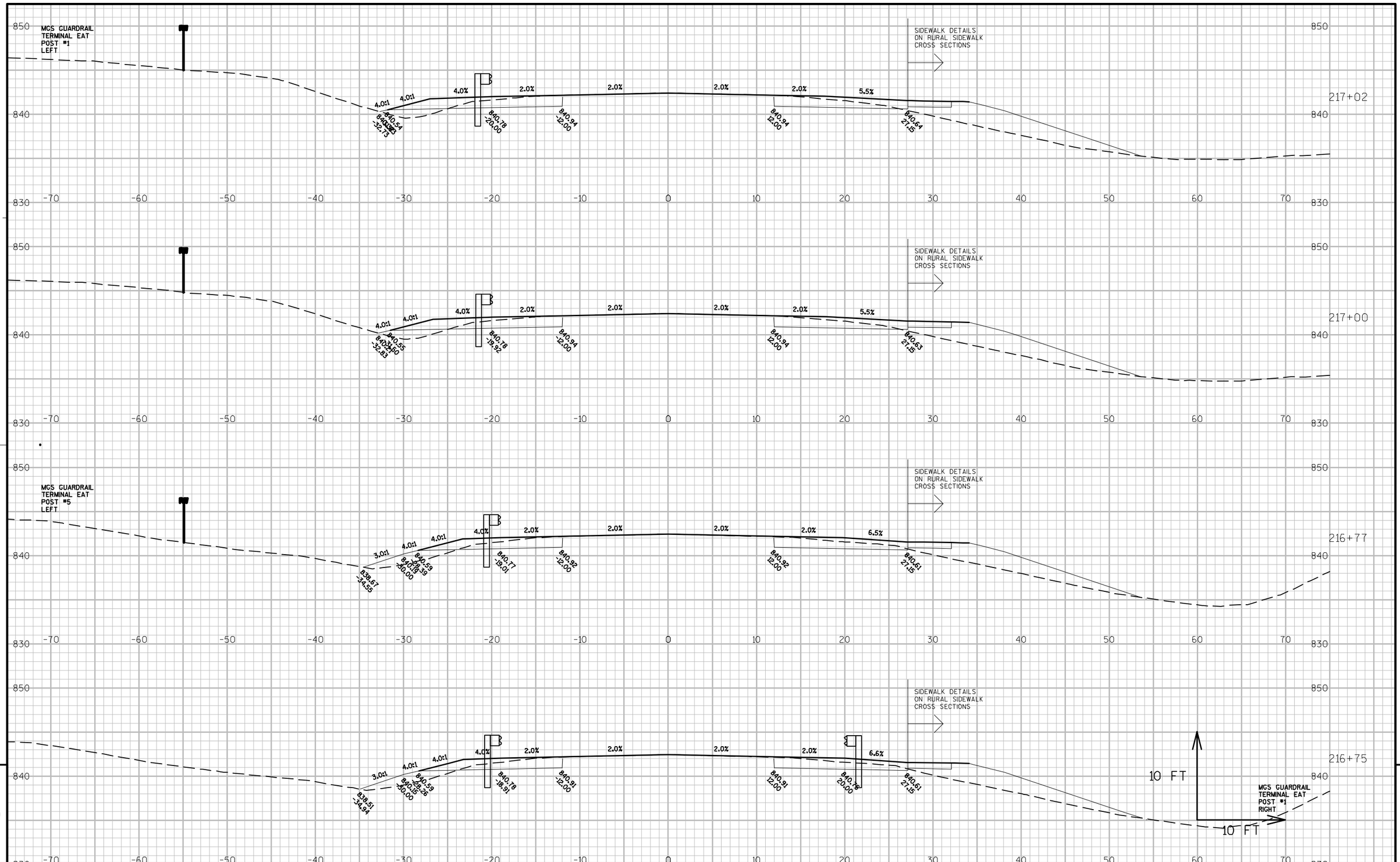
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:40 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



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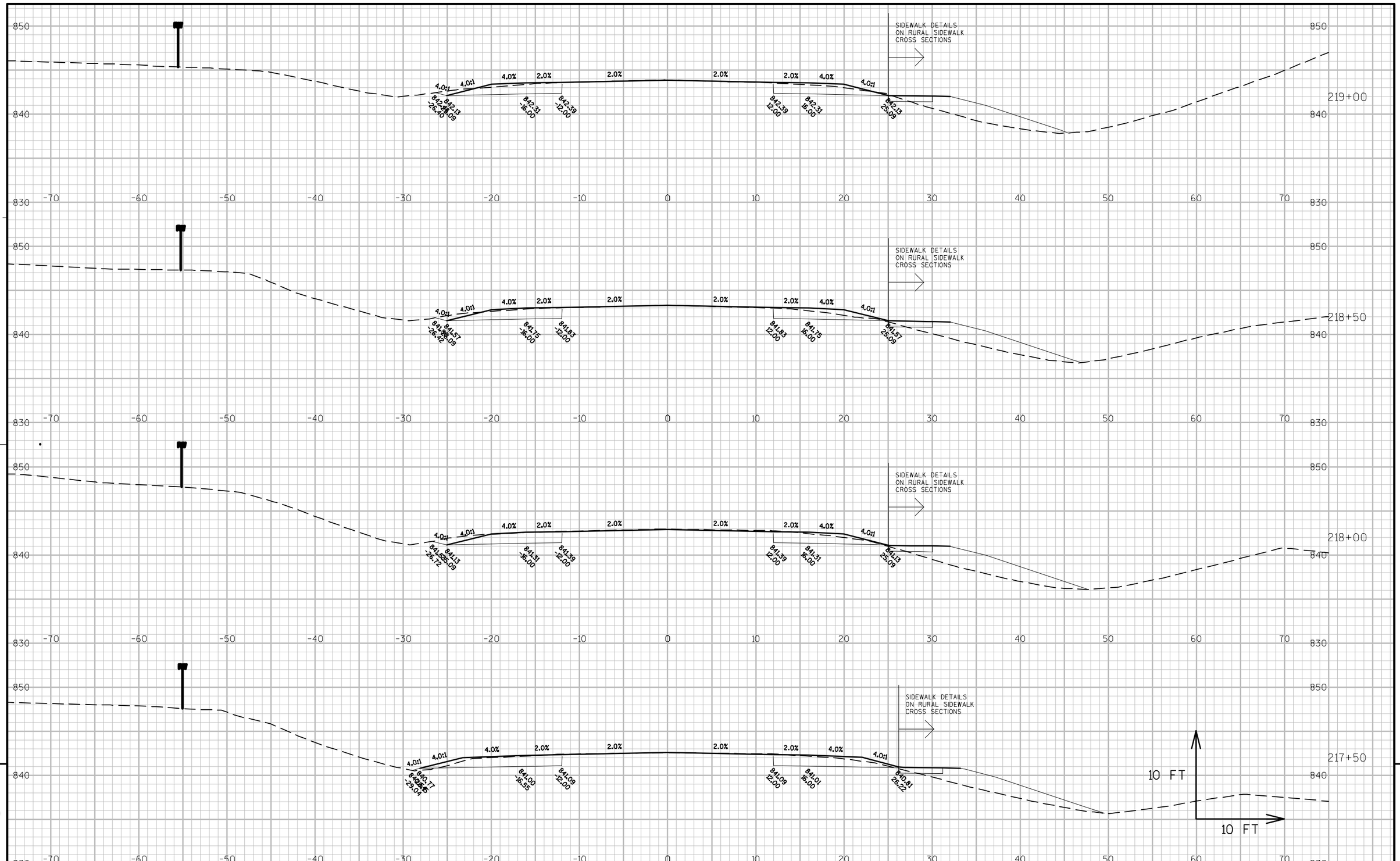
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:40 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090204_XS.DWG PLOT DATE : 1/11/2019 9:40 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 49

END PROJECT 9650-17-70
STA 221+50.00
MATCH EXISTING - SAWCUT REQUIRED

STA 220+36
RESURFACE RURAL INTERSECTION
MATCH EXISTING
SAWCUT REQUIRED

SIDEWALK DETAILS
ON RURAL SIDEWALK
CROSS SECTIONS

SIDEWALK DETAILS
ON RURAL SIDEWALK
CROSS SECTIONS

220+00

219+50

1.1%
4.0:1
10.0%
2.0%
2.0%
2.0%
2.0%
2.0%
5.0:1

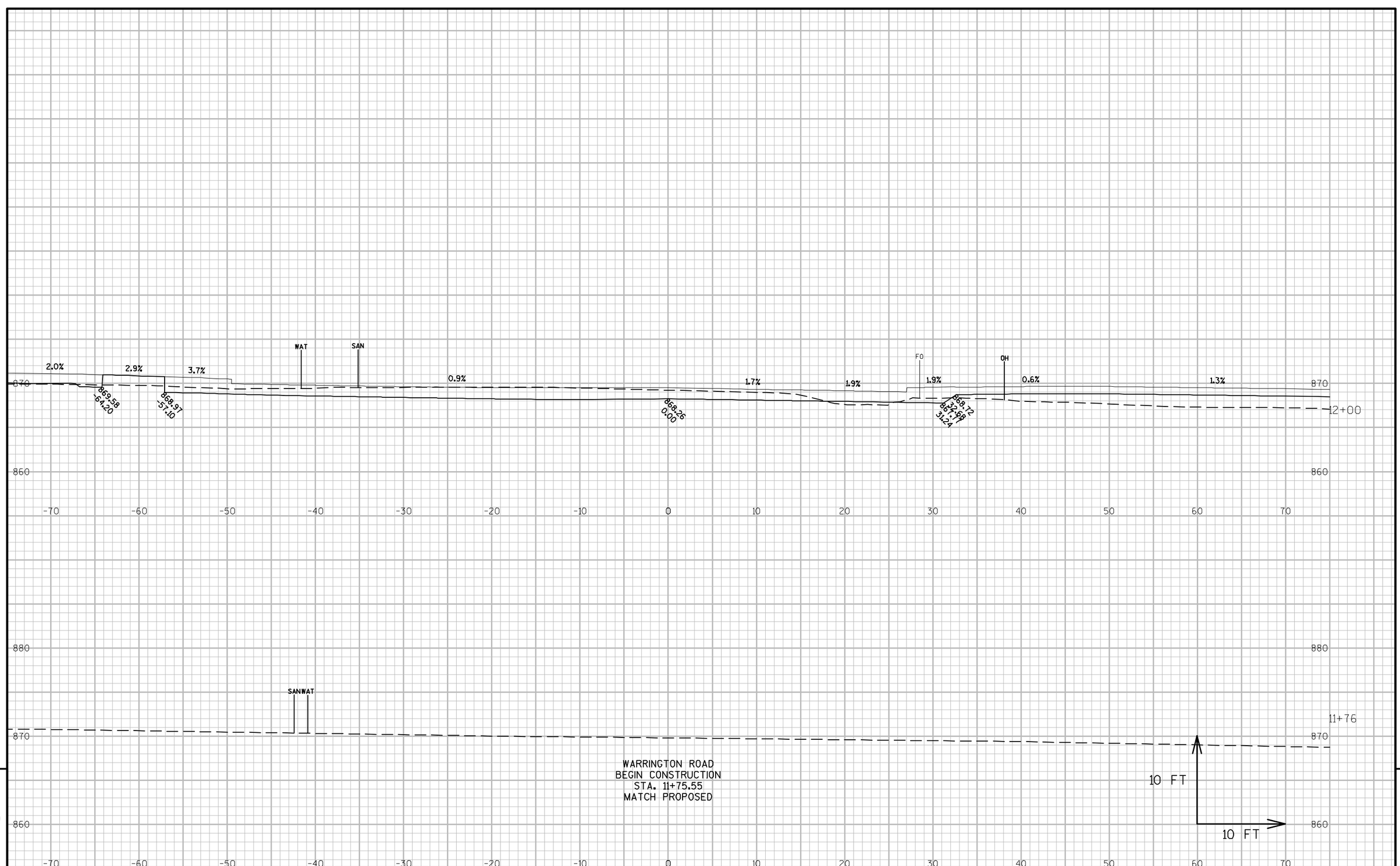
842.63 -37.45
842.73 -27.55
842.87 -20.49
843.04 -12.00
843.04 12.00
842.96 16.00
842.78 25.09

10 FT
10 FT

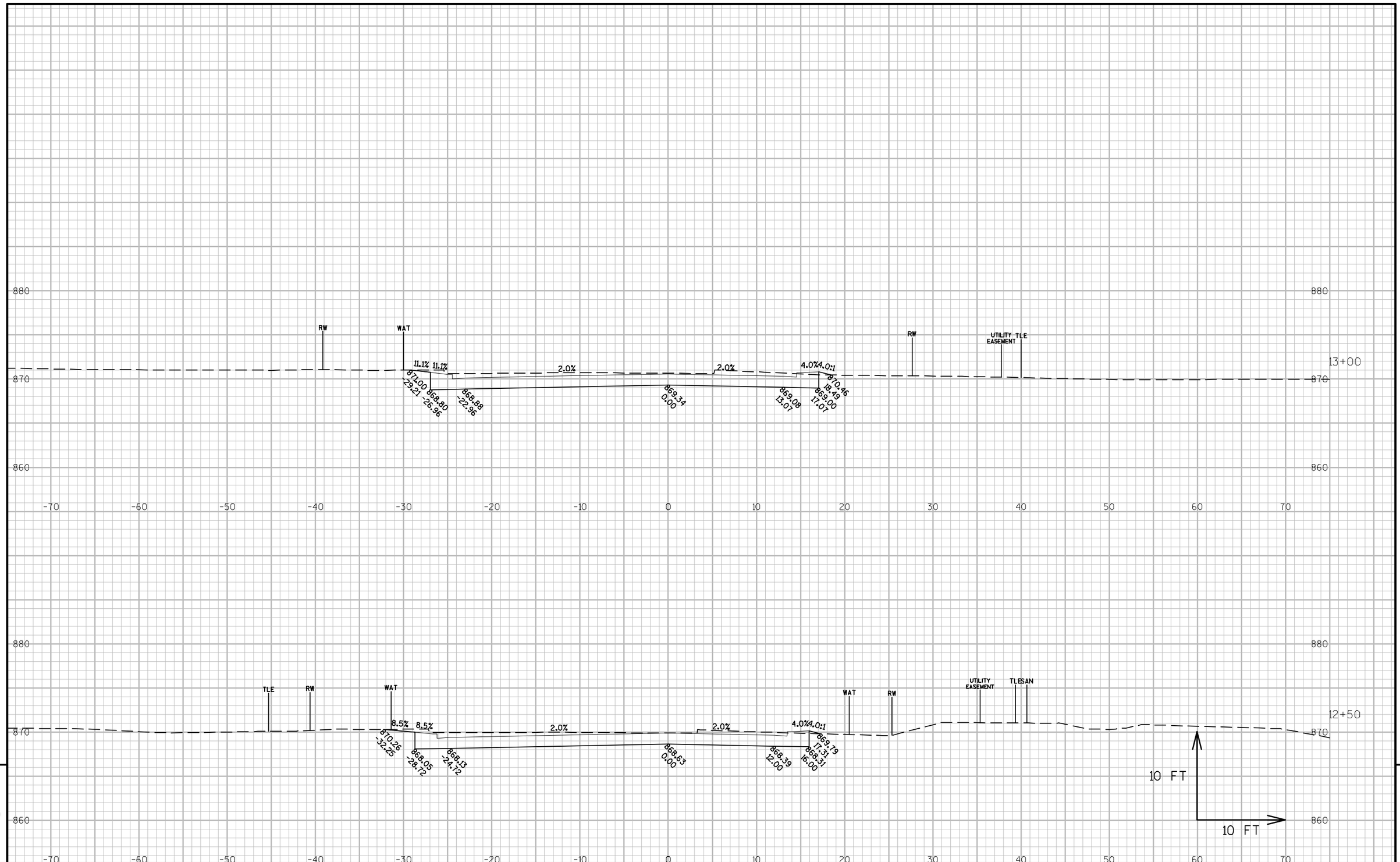
9

9

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: WARRINGTON ROAD	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: WARRINGTON ROAD	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090205_XS.DWG
LAYOUT NAME - 090205_XS-(02)

PLOT DATE : 1/10/2019 12:17 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT

WARRINGTON ROAD
END CONSTRUCTION
STA. 11+75.55
MATCH EXISTING - SAWCUT REQUIRED

14+38

14+00

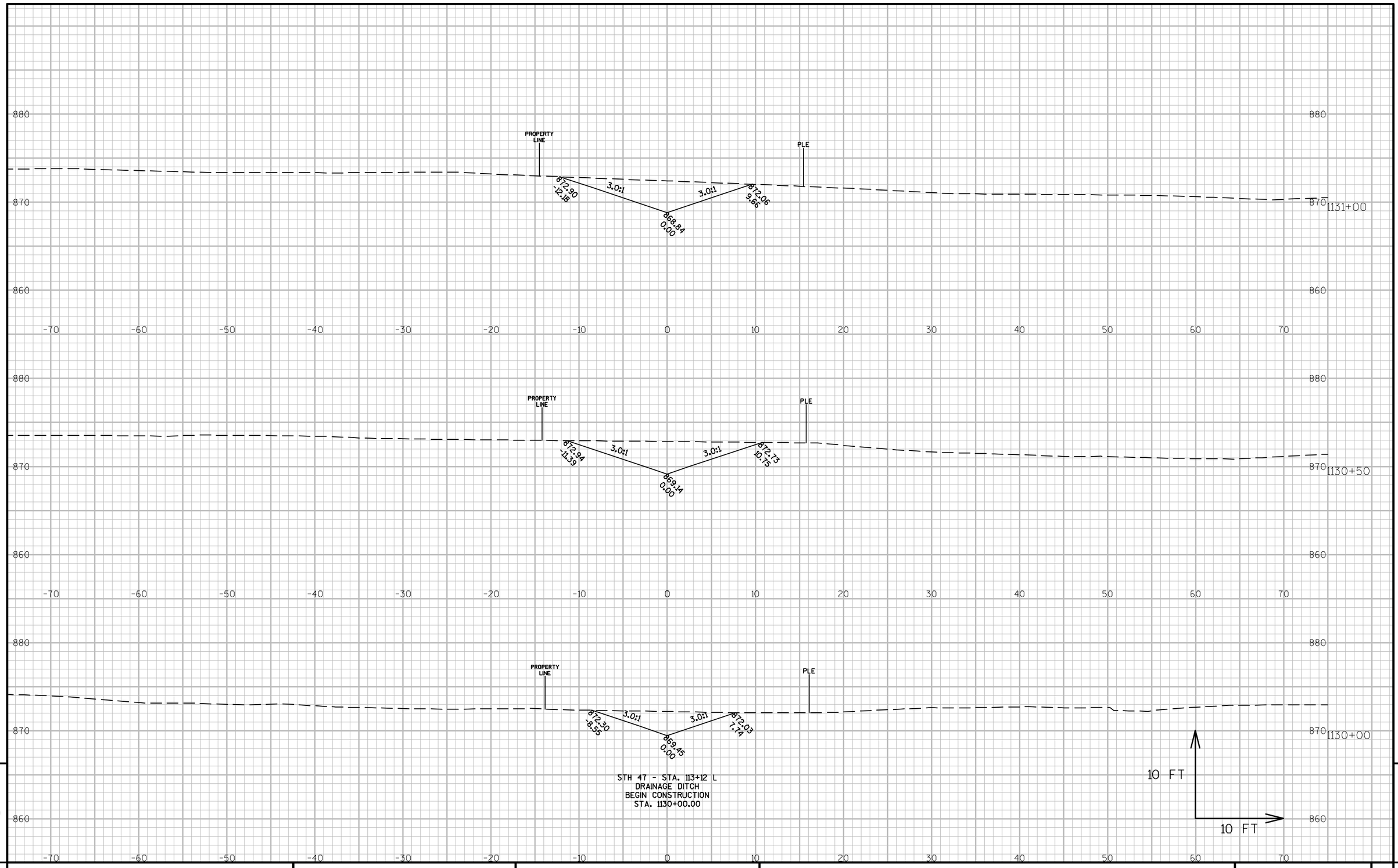
13+50

RW
WAT
UTILITY EASEMENT
6.5%
7.7%
2.0%
4.0%
4:1
10 FT

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: WARRINGTON ROAD	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090205_XS.DWG
LAYOUT NAME - 090205_XS-(03)

PLOT DATE : 1/10/2019 12:17 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT



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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47-DRAINAGE DITCH-STA. 113+12 L	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090206_XS.DWG
LAYOUT NAME - 090206_XS-(01)

PLOT DATE : 1/10/2019 11:11 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT

STH 47 - STA. 113+12 L
DRAINAGE DITCH
END CONSTRUCTION
STA. 1132+37.13

PROPERTY LINE

PLE

1132+37

1132+00

1131+50

870.61
-7.16

3.0:1

868.23
0.00

3.0:1

869.60
4.12

872.92
-15.15

3.0:1

868.53
0.00

3.0:1

871.35
8.44

10 FT

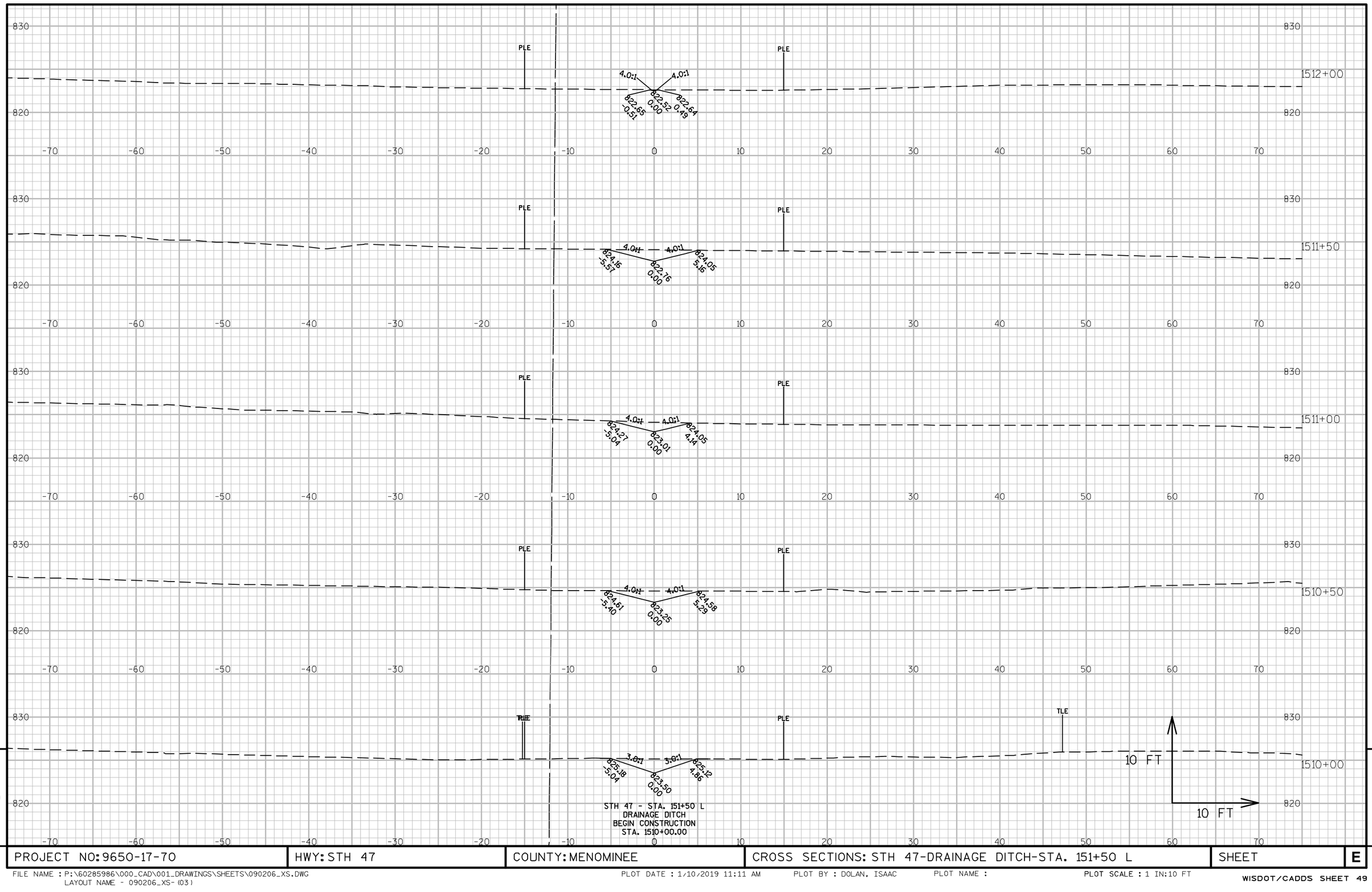
10 FT

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47-DRAINAGE DITCH-STA. 113+12 L	SHEET	E

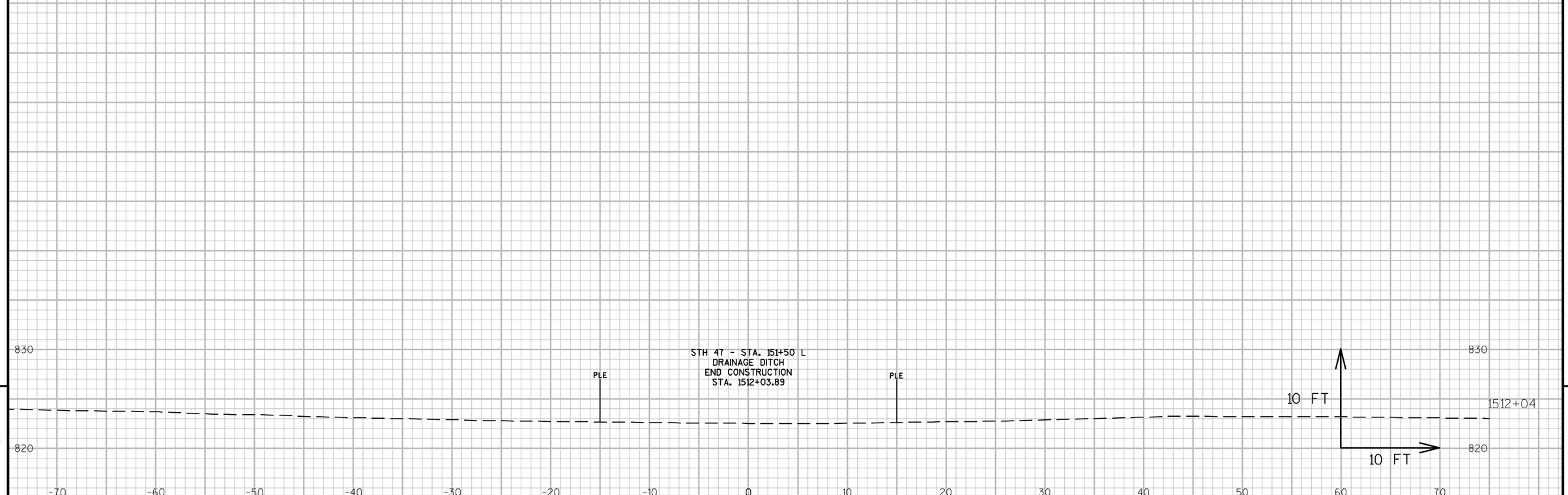
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090206_XS.DWG
LAYOUT NAME - 090206_XS-(02)

PLOT DATE : 1/10/2019 11:11 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47-DRAINAGE DITCH-STA. 151+50 L	SHEET	E



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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47-DRAINAGE DITCH-STA. 151+50 L	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090206_XS.DWG
LAYOUT NAME - 090206_XS-(04)

PLOT DATE : 1/10/2019 11:11 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT

STH 47 - STA. 163+16 L
DRAINAGE DITCH
END CONSTRUCTION
STA. 1631+85.40

PROPERTY LINE

PLE

1631+85

1631+50

4.0:1 4.0:1
823.17 822.45 823.48
2.95 0.00 4.12

1631+00

824.39 823.10 824.87
5.17 0.00 7.09

1630+50

825.02 823.74 825.31
5.42 0.00 6.29

1630+00

825.90 824.38 826.08
6.07 0.00 6.78

STH 47 - STA. 163+16 L
DRAINAGE DITCH
BEGIN CONSTRUCTION
STA. 1630+00.00

10 FT
10 FT

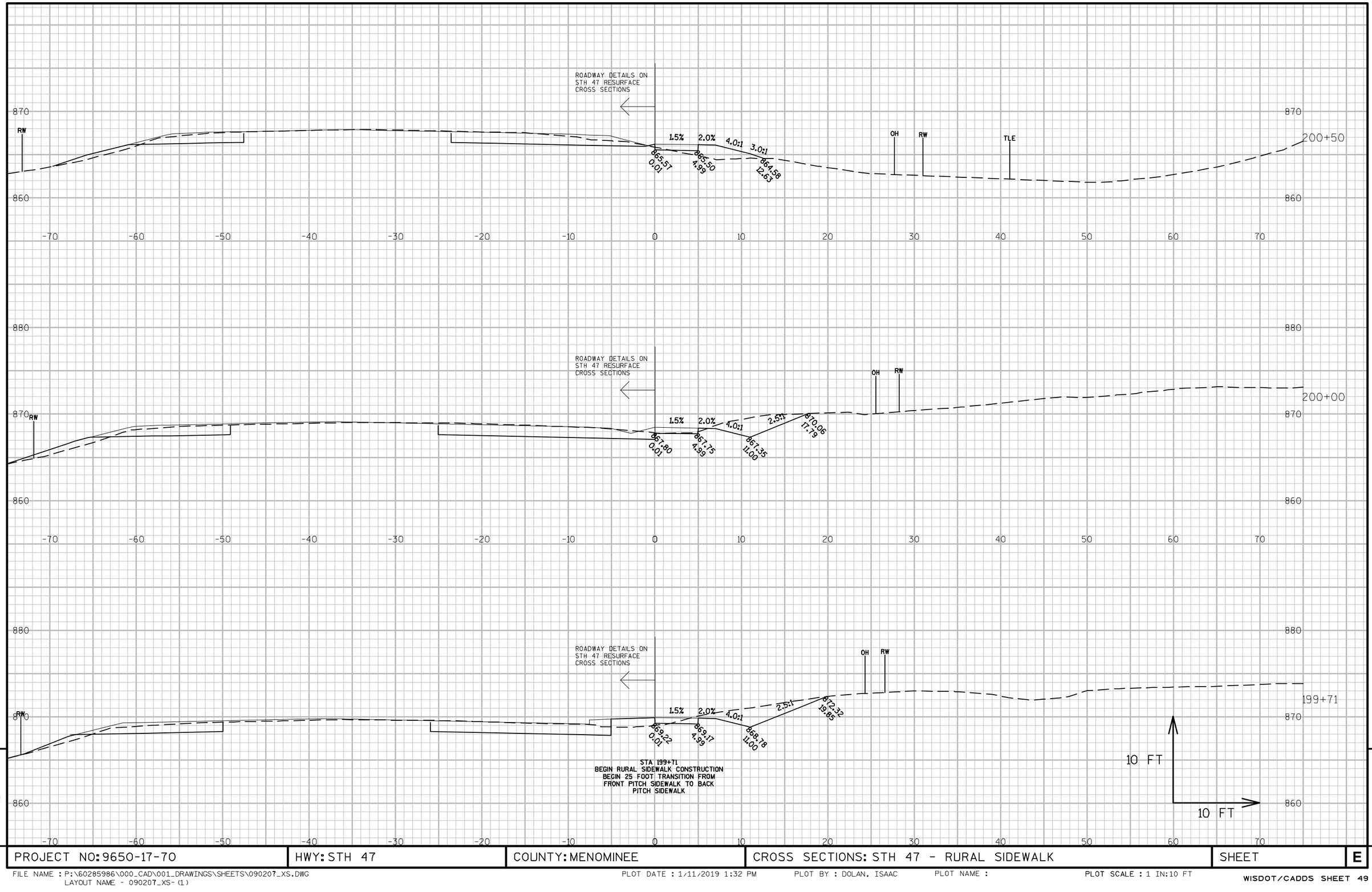
9

9

PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47-DRAINAGE DITCH-STA. 163+16 L	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090206_XS.DWG
LAYOUT NAME - 090206_XS-(05)

PLOT DATE : 1/10/2019 11:11 AM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT



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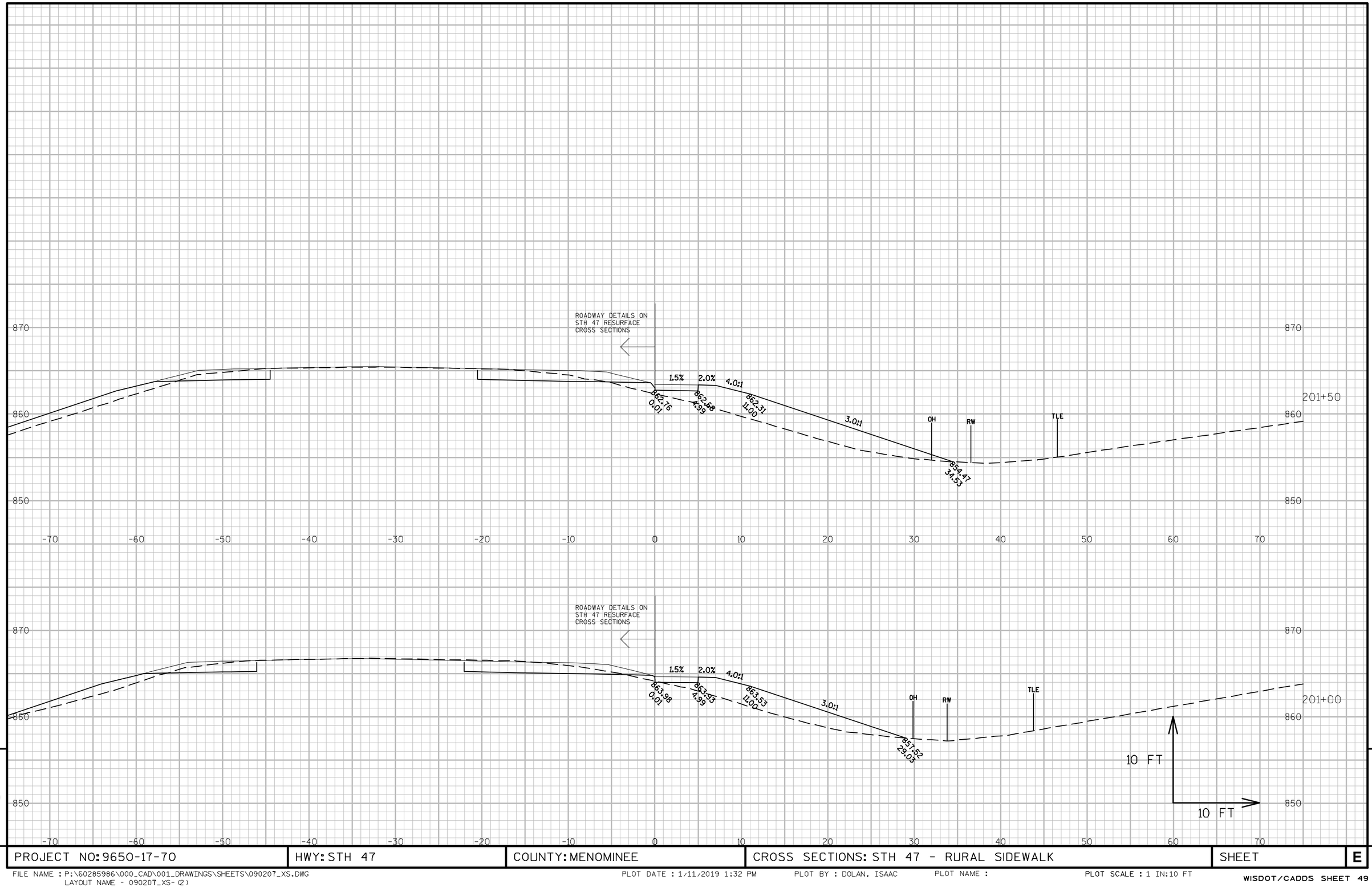
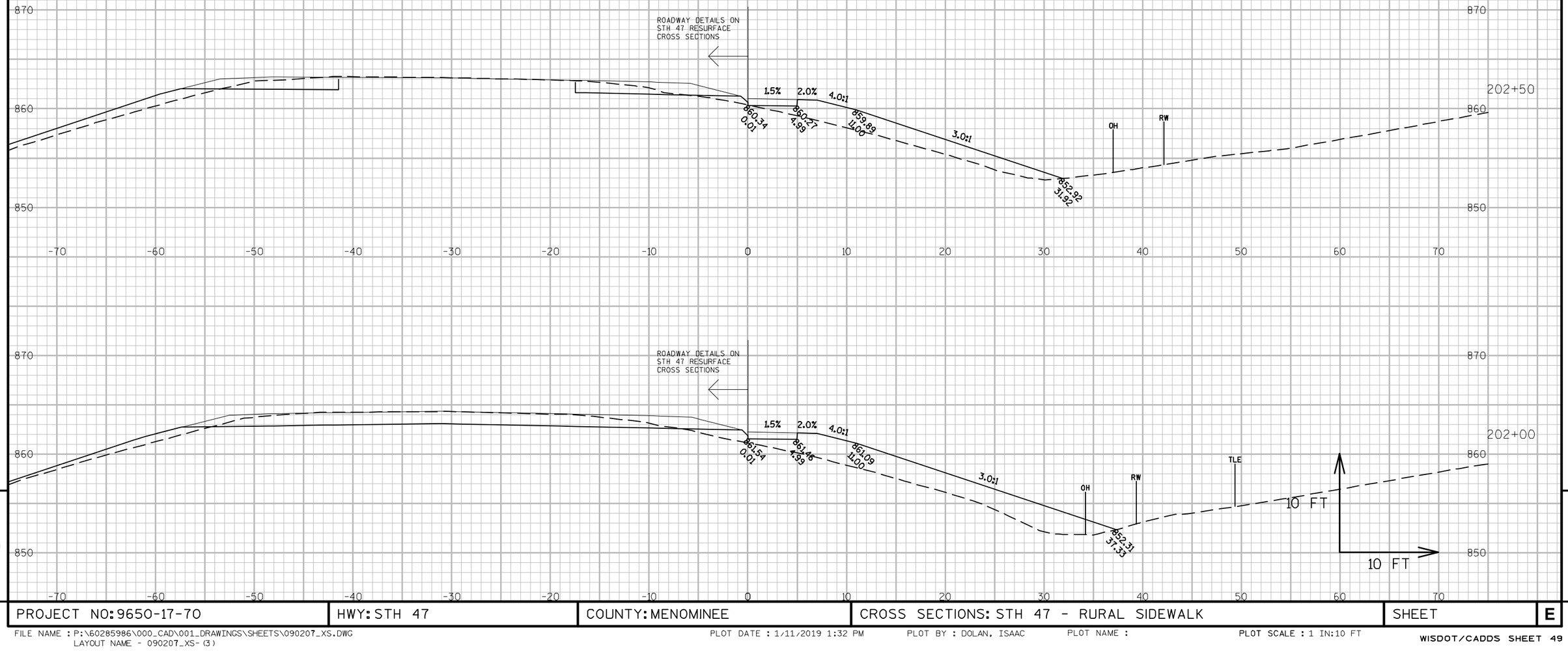
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(1)
PLOT DATE : 1/11/2019 1:32 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



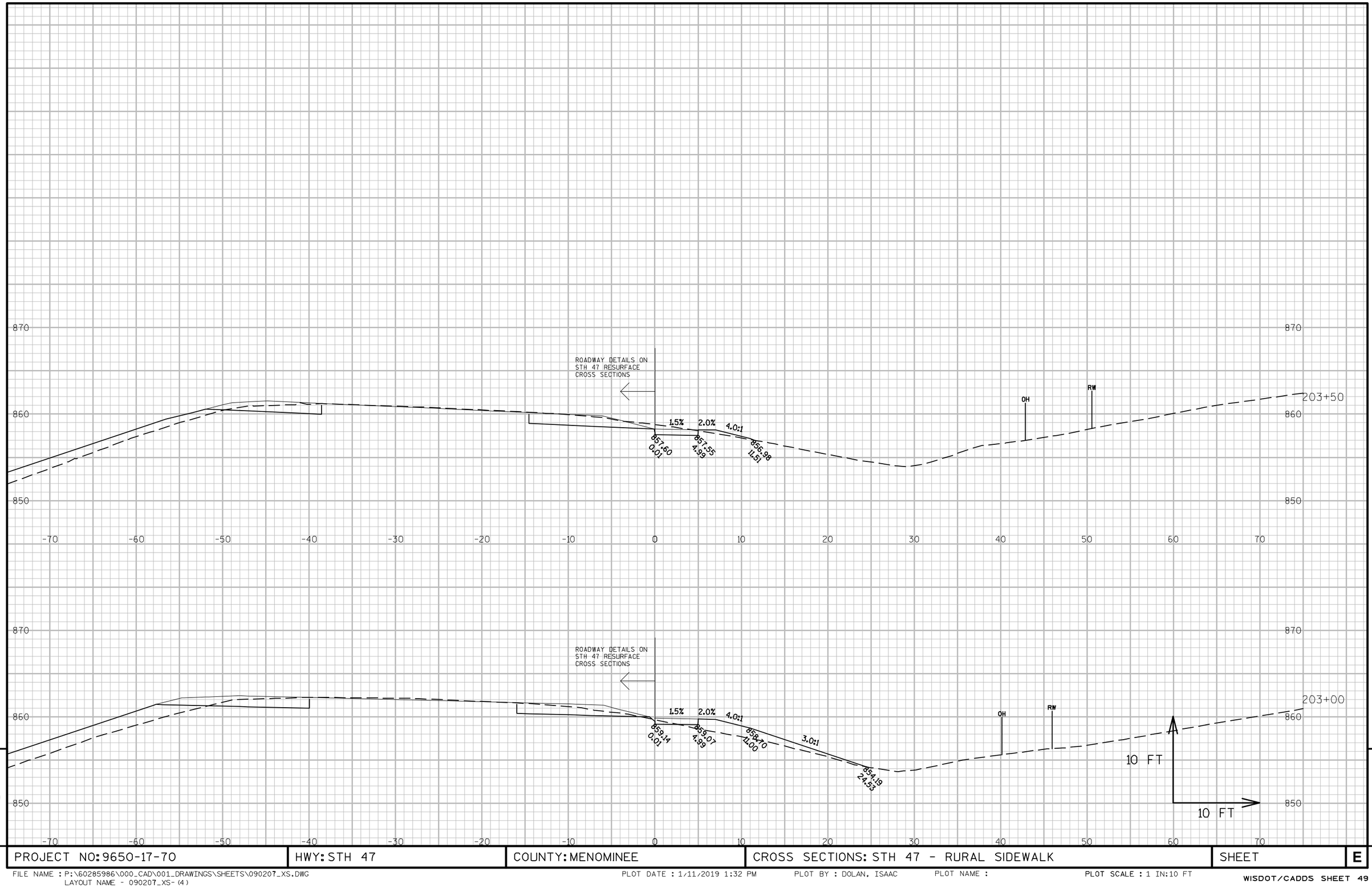
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(3)

PLOT DATE : 1/11/2019 1:32 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

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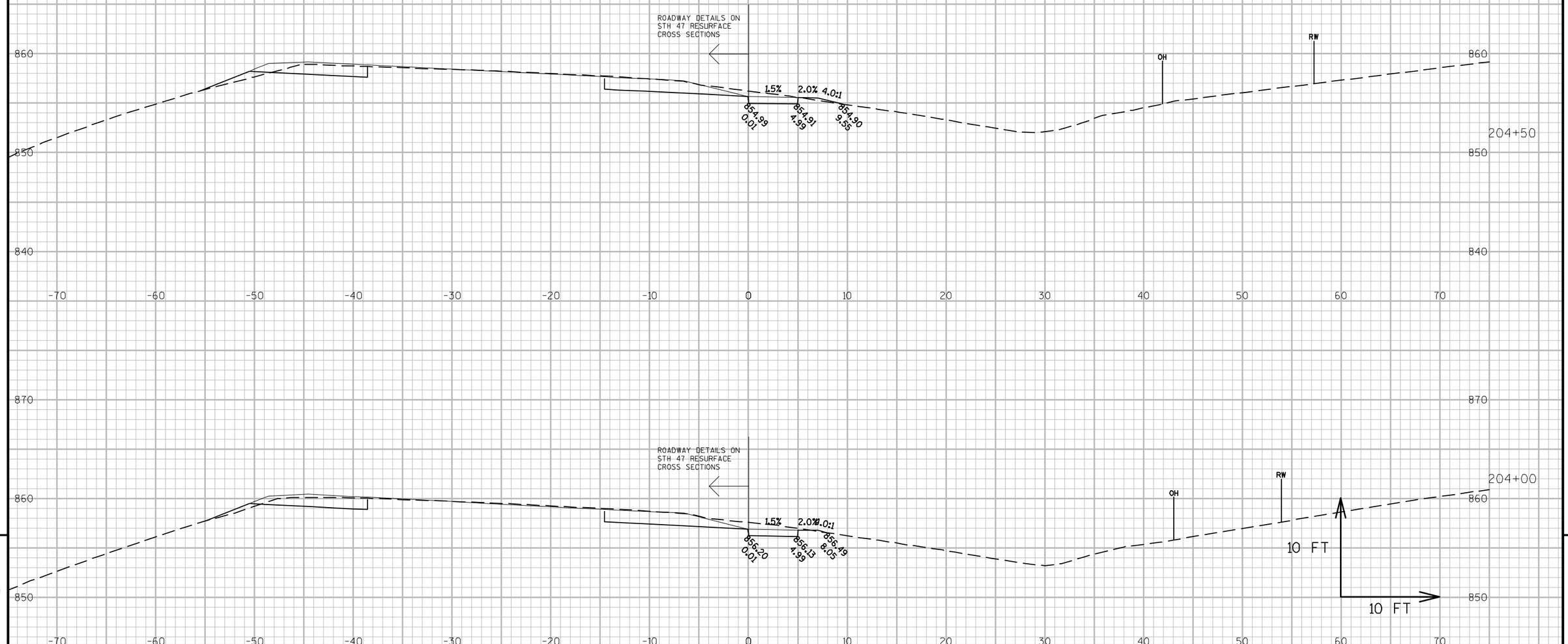
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(4)
PLOT DATE : 1/11/2019 1:32 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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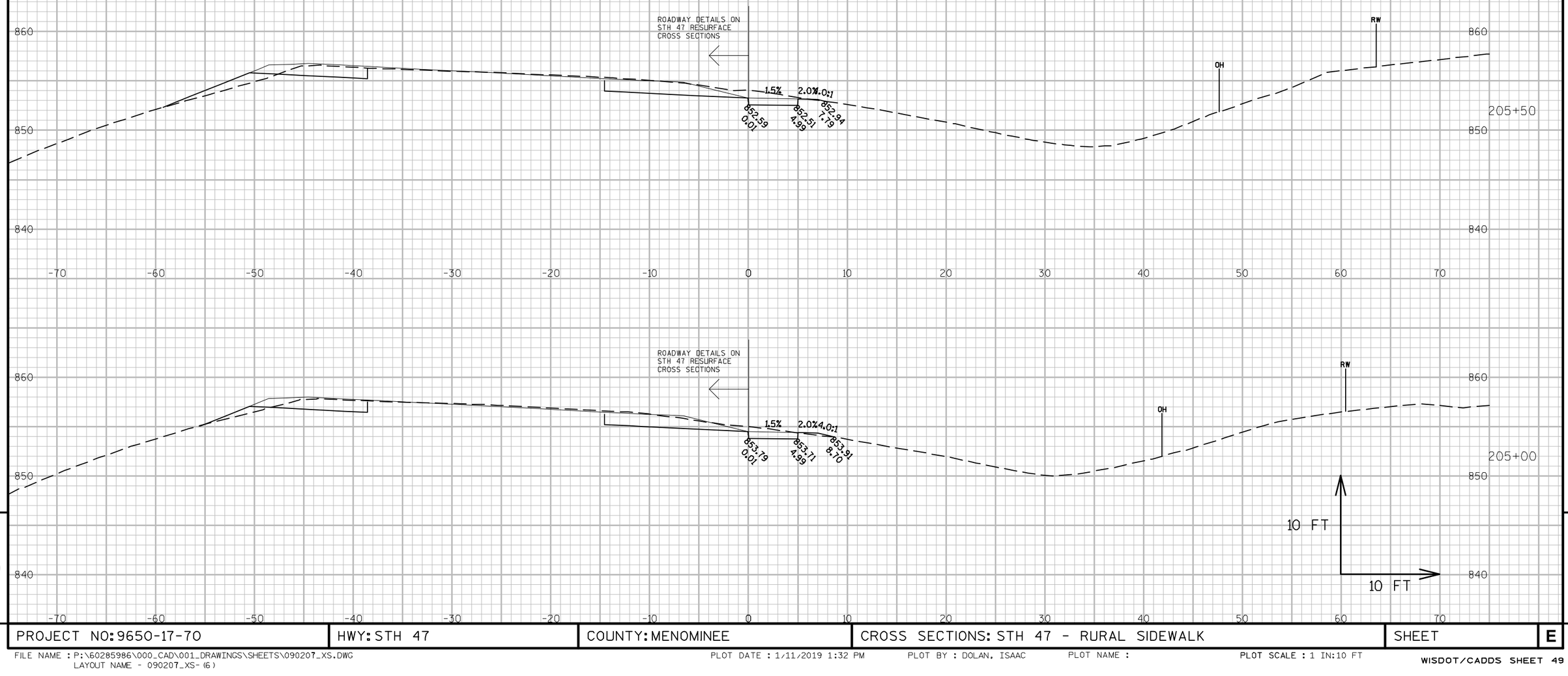
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(5)
PLOT DATE : 1/11/2019 1:32 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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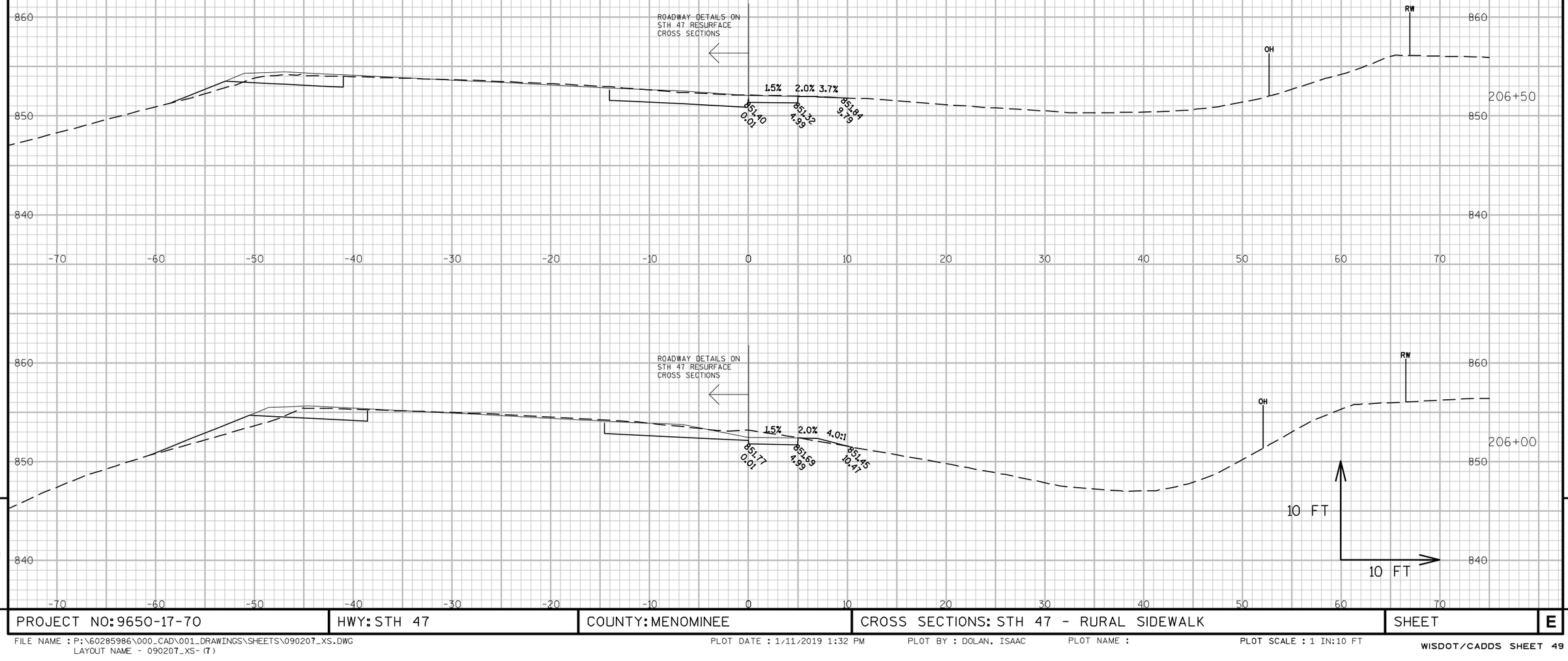
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

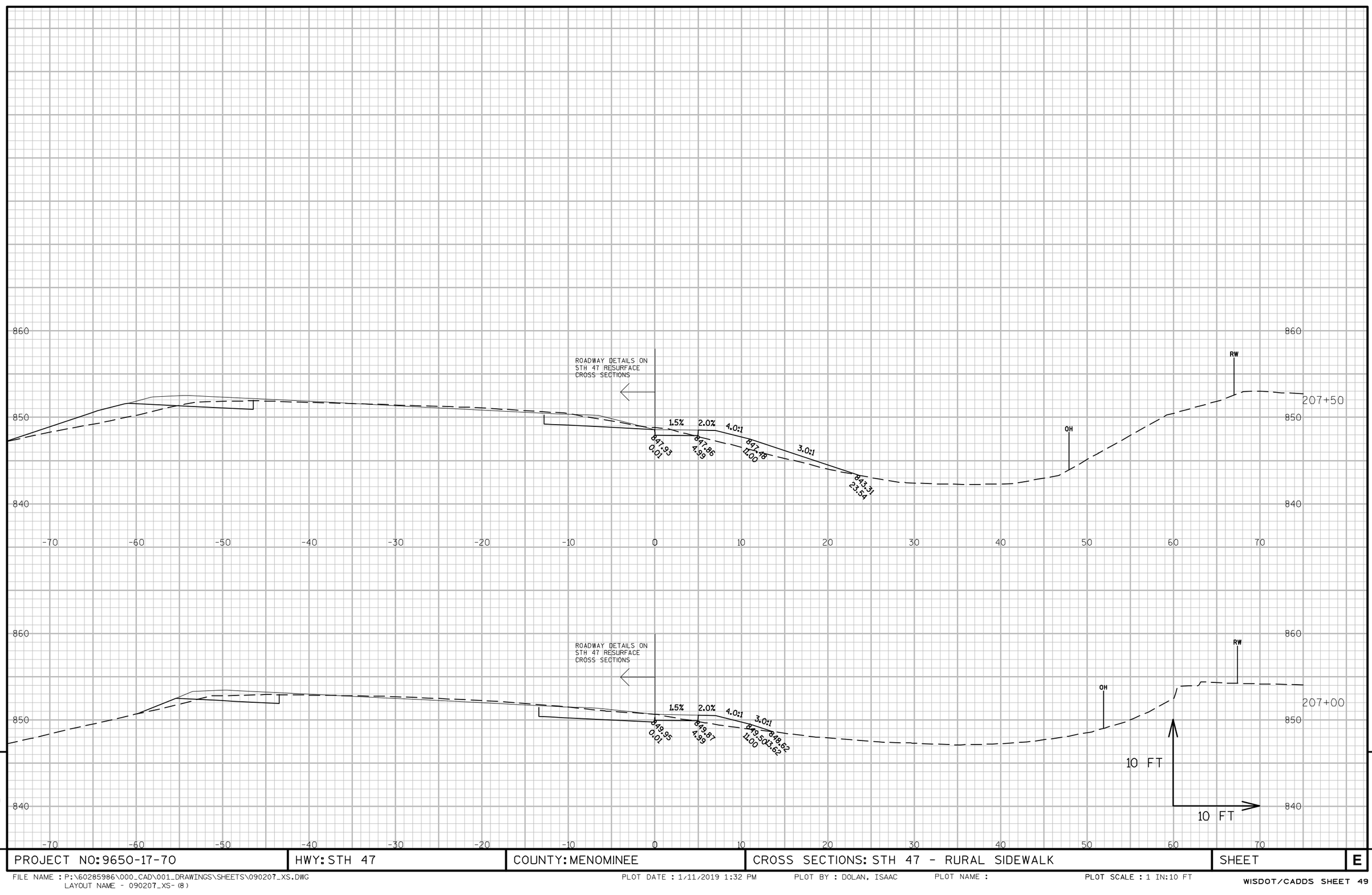
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(6)
PLOT DATE : 1/11/2019 1:32 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(7)

PLOT DATE : 1/11/2019 1:32 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT



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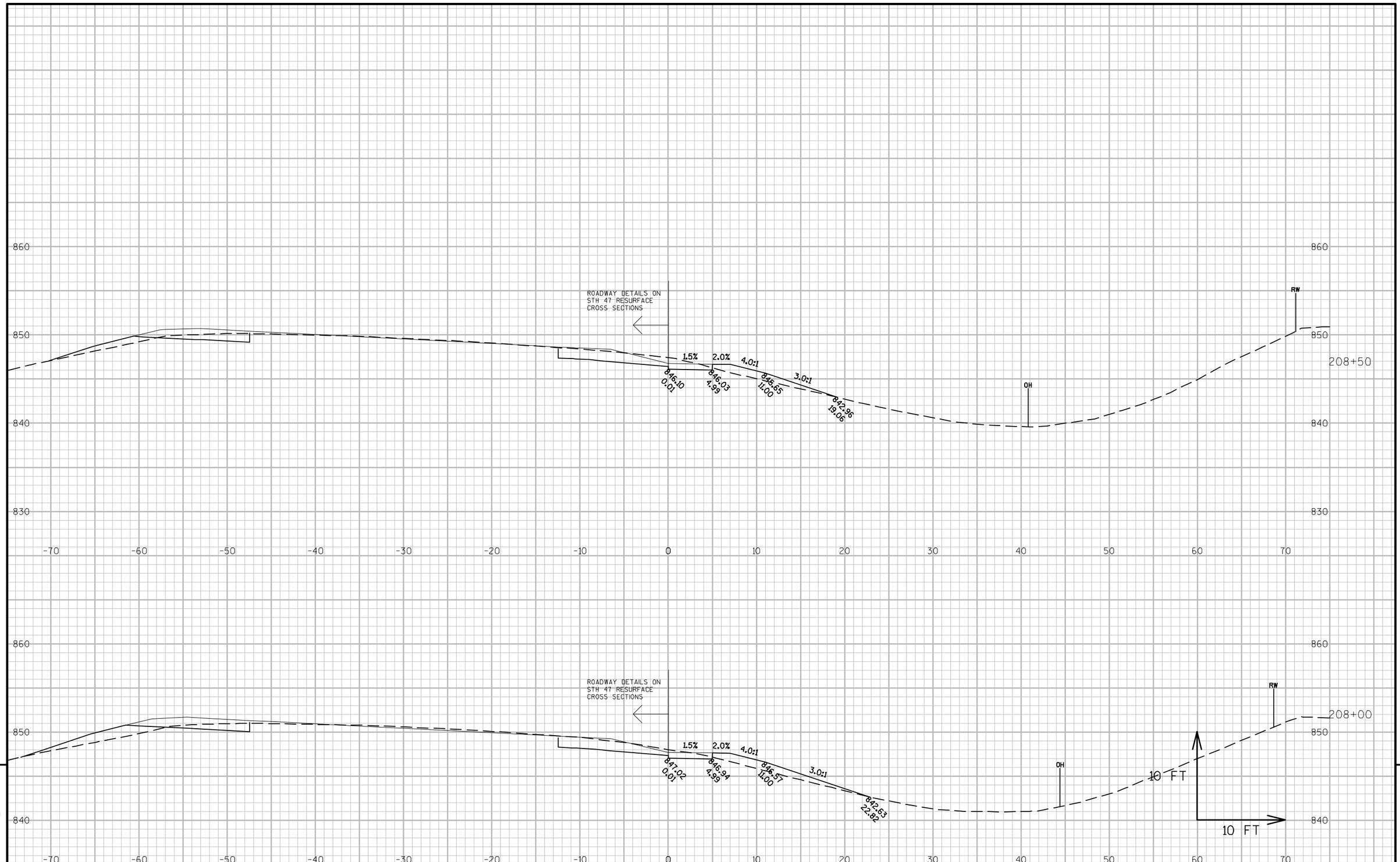
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(8)

PLOT DATE : 1/11/2019 1:32 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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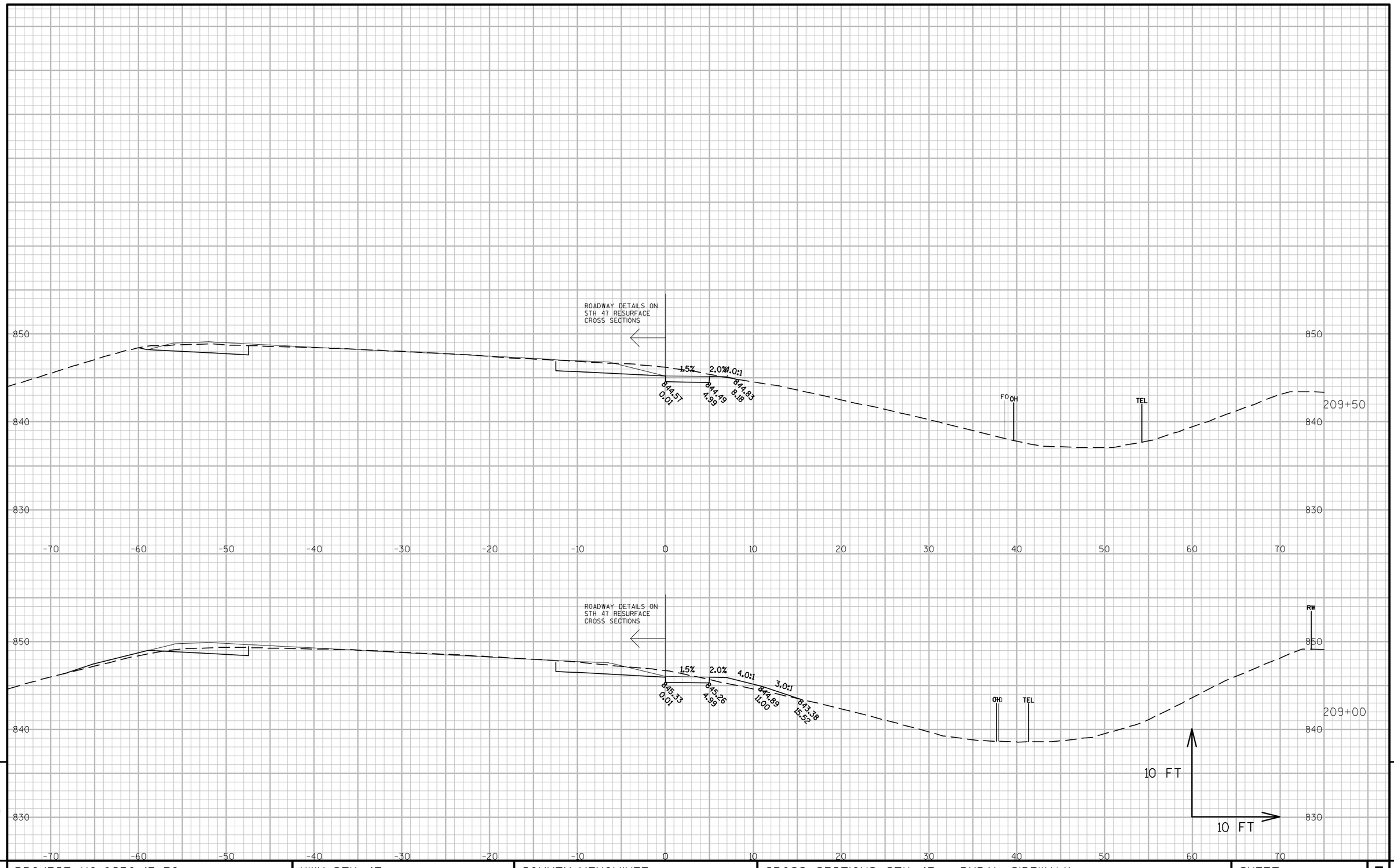
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(9)

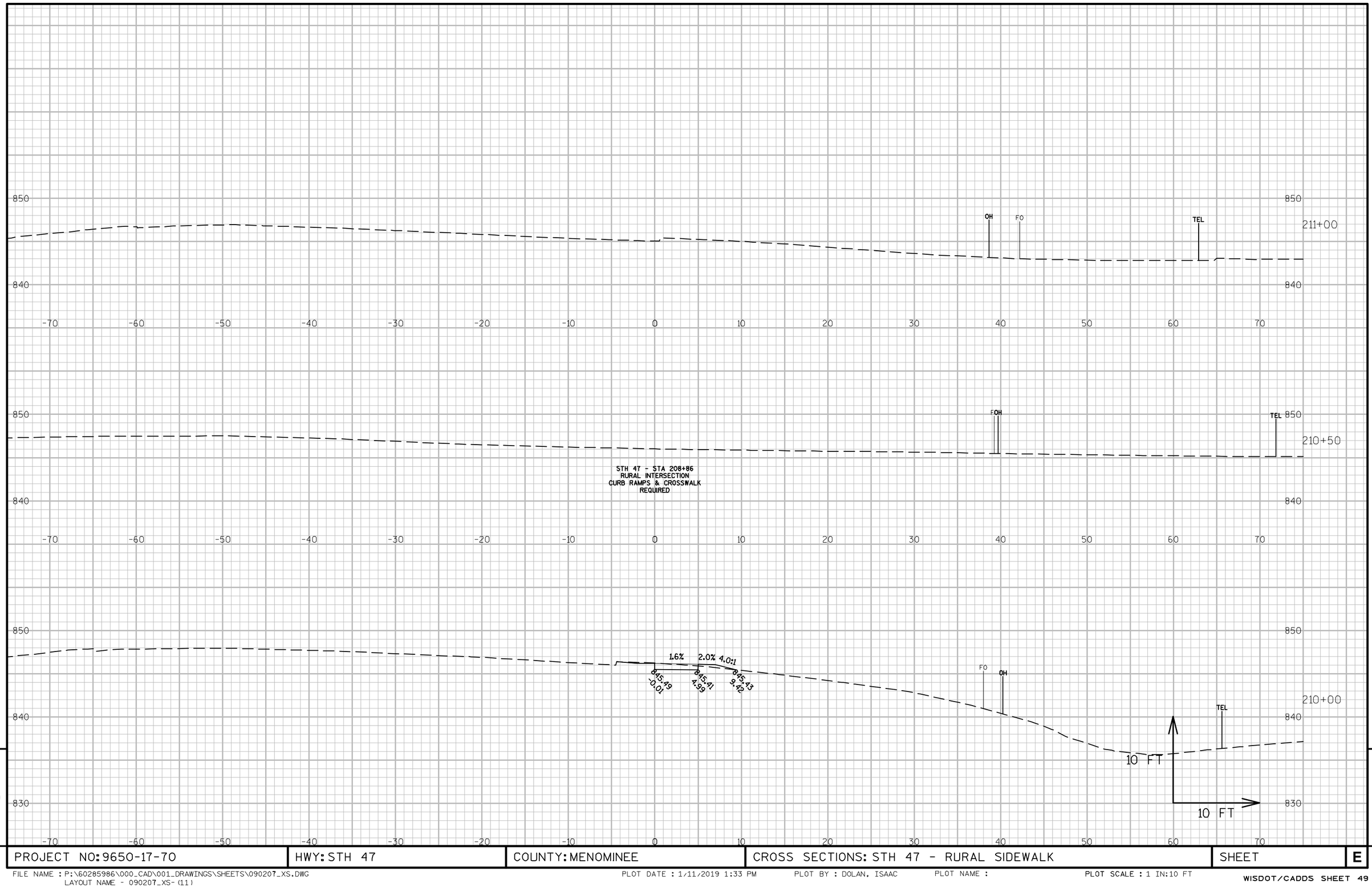
PLOT DATE : 1/11/2019 1:32 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(10)

PLOT DATE : 1/11/2019 1:32 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT



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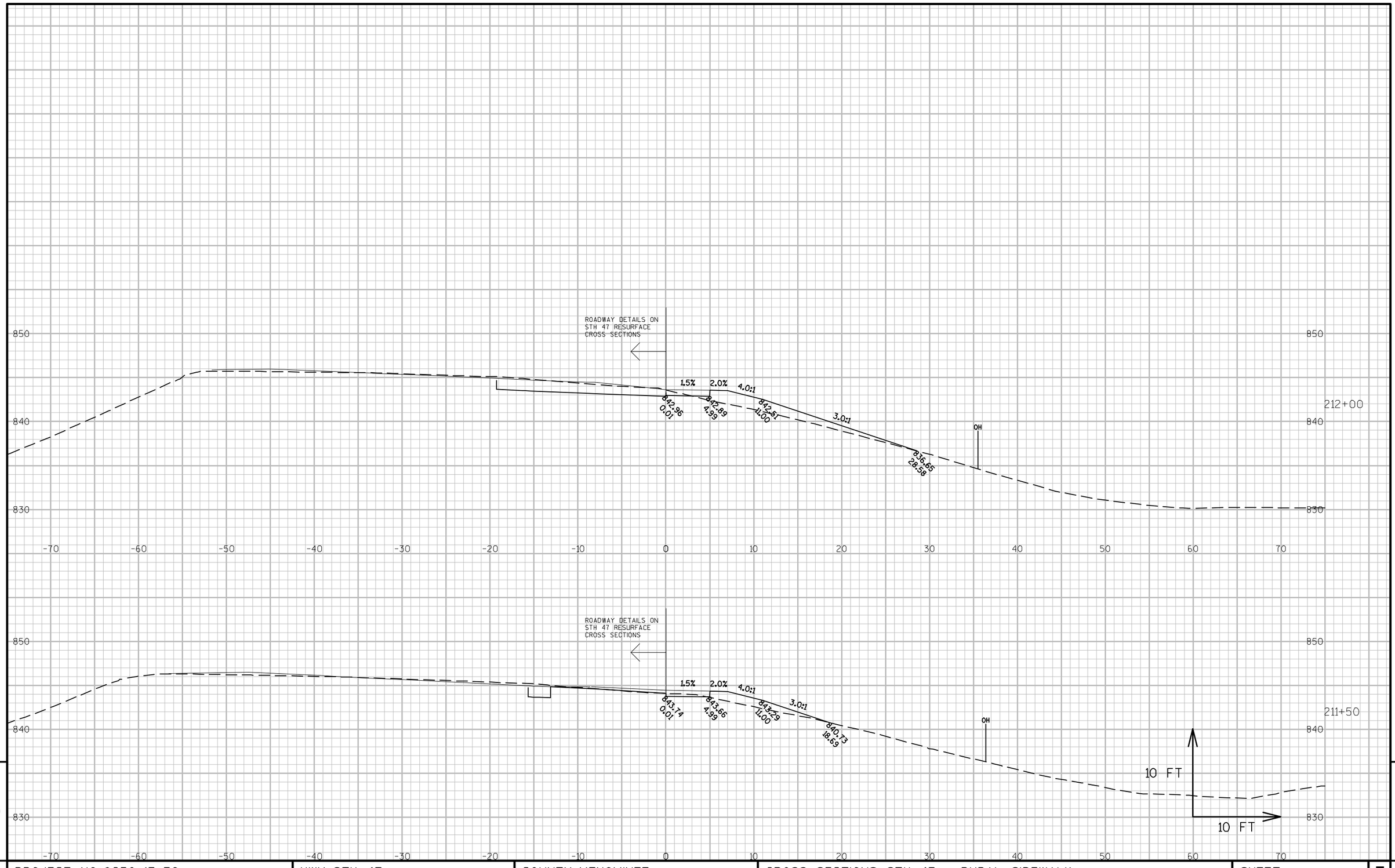
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

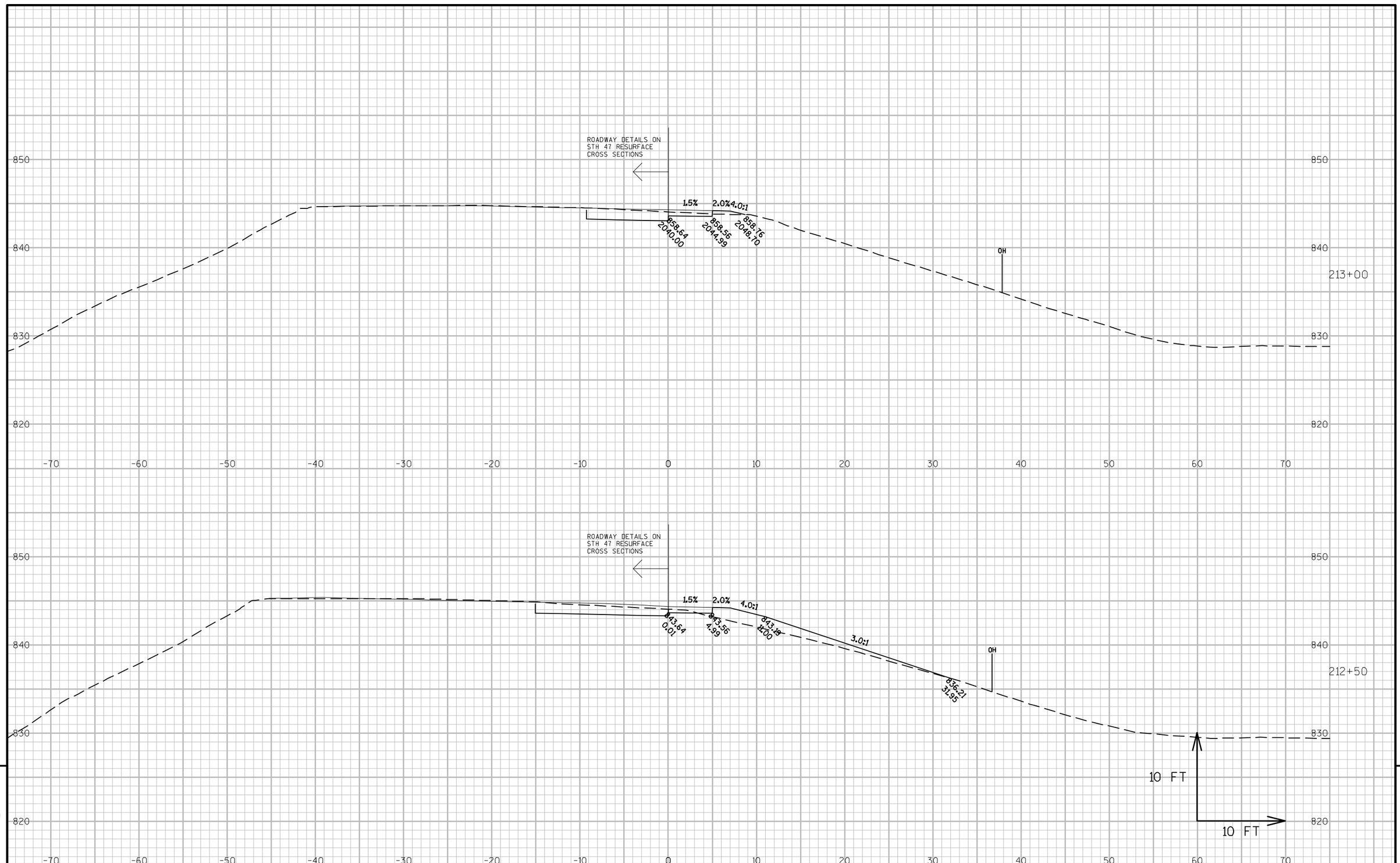
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(11)
PLOT DATE : 1/11/2019 1:33 PM
PLOT BY : DOLAN, ISAAC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(12)

PLOT DATE : 1/11/2019 1:33 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT



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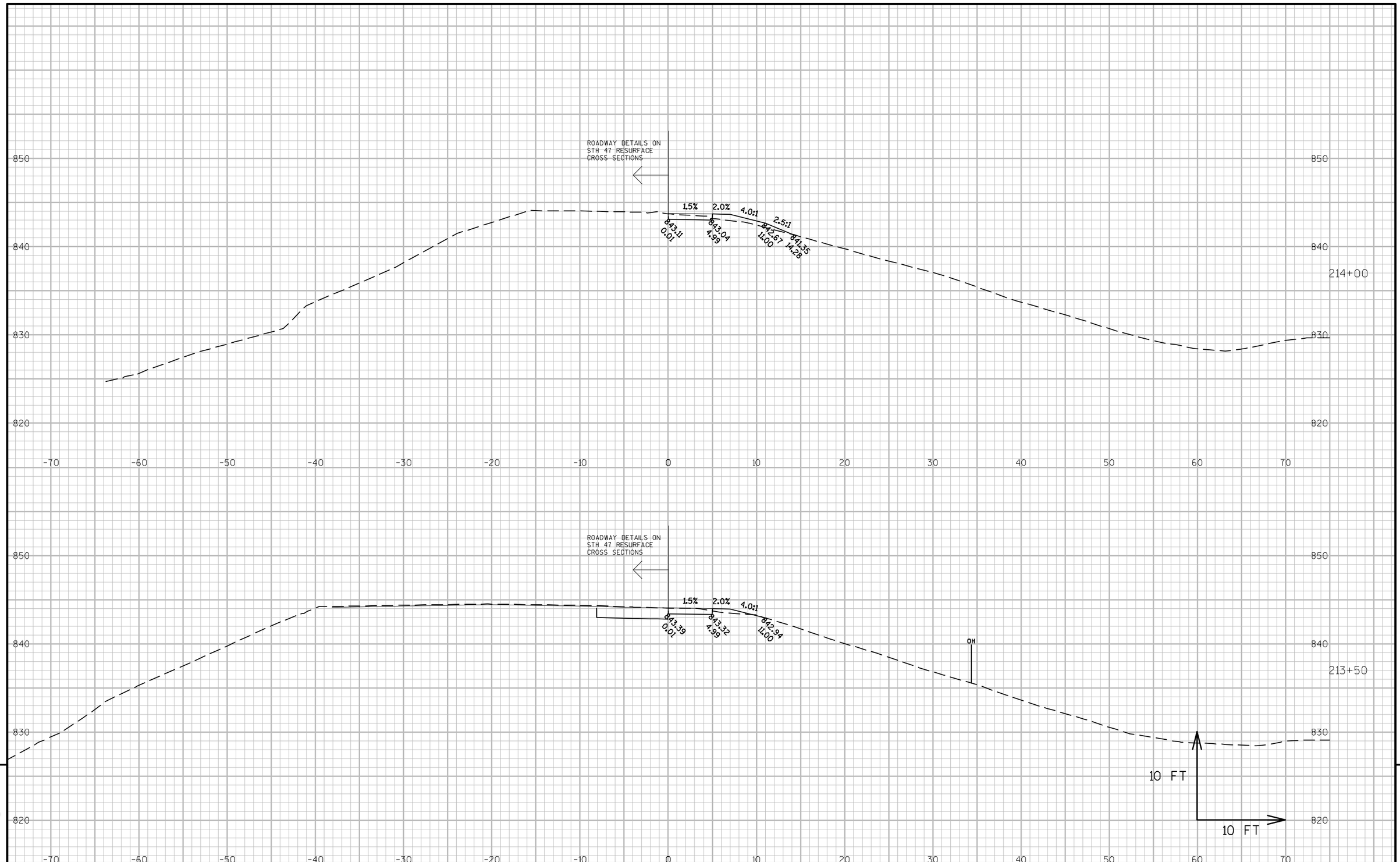
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(13)
PLOT DATE : 1/11/2019 1:33 PM
PLOT BY : DOLAN, ISAAC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



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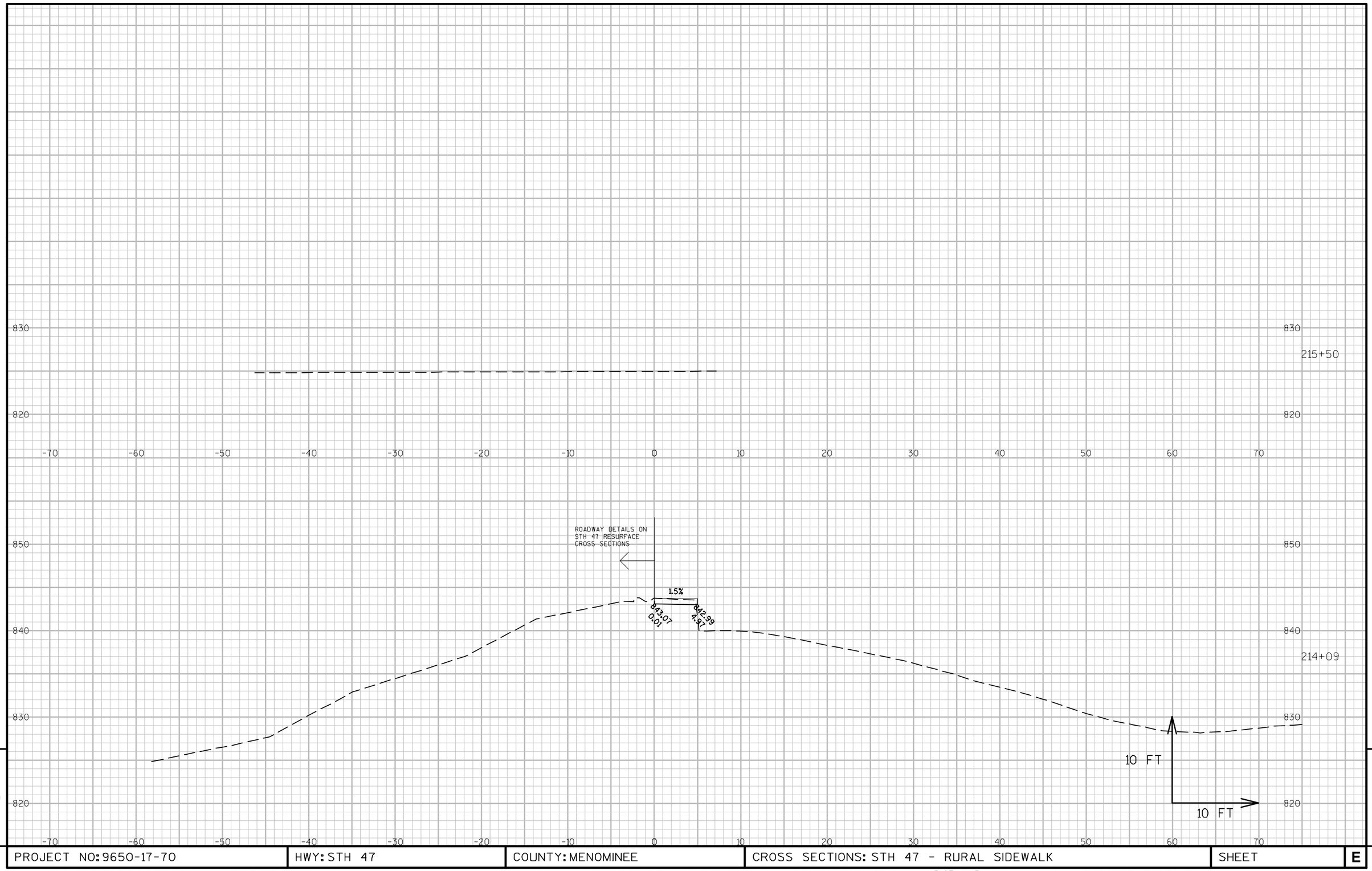
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(14)

PLOT DATE : 1/11/2019 1:33 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT



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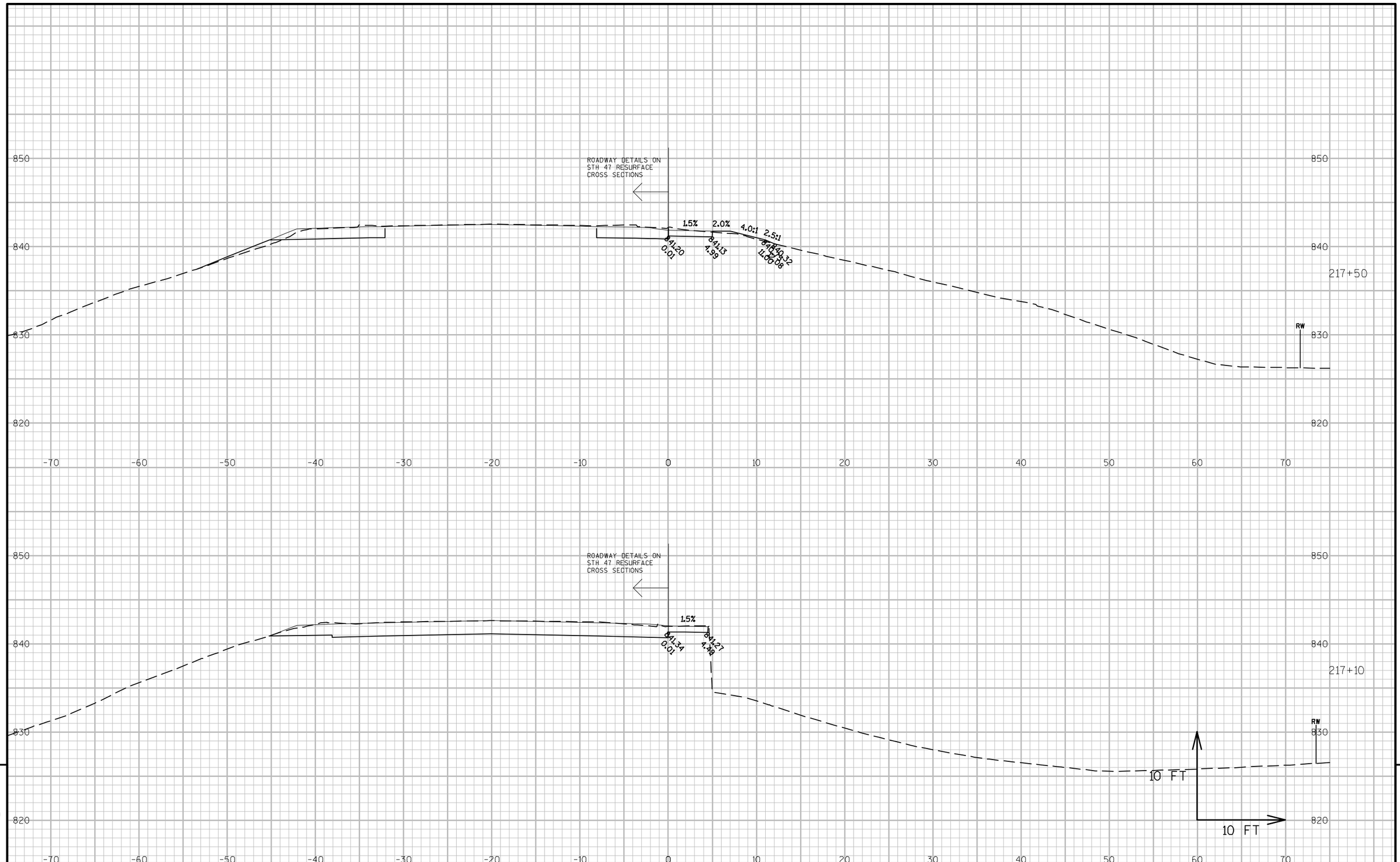
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(15)
PLOT DATE : 1/11/2019 1:33 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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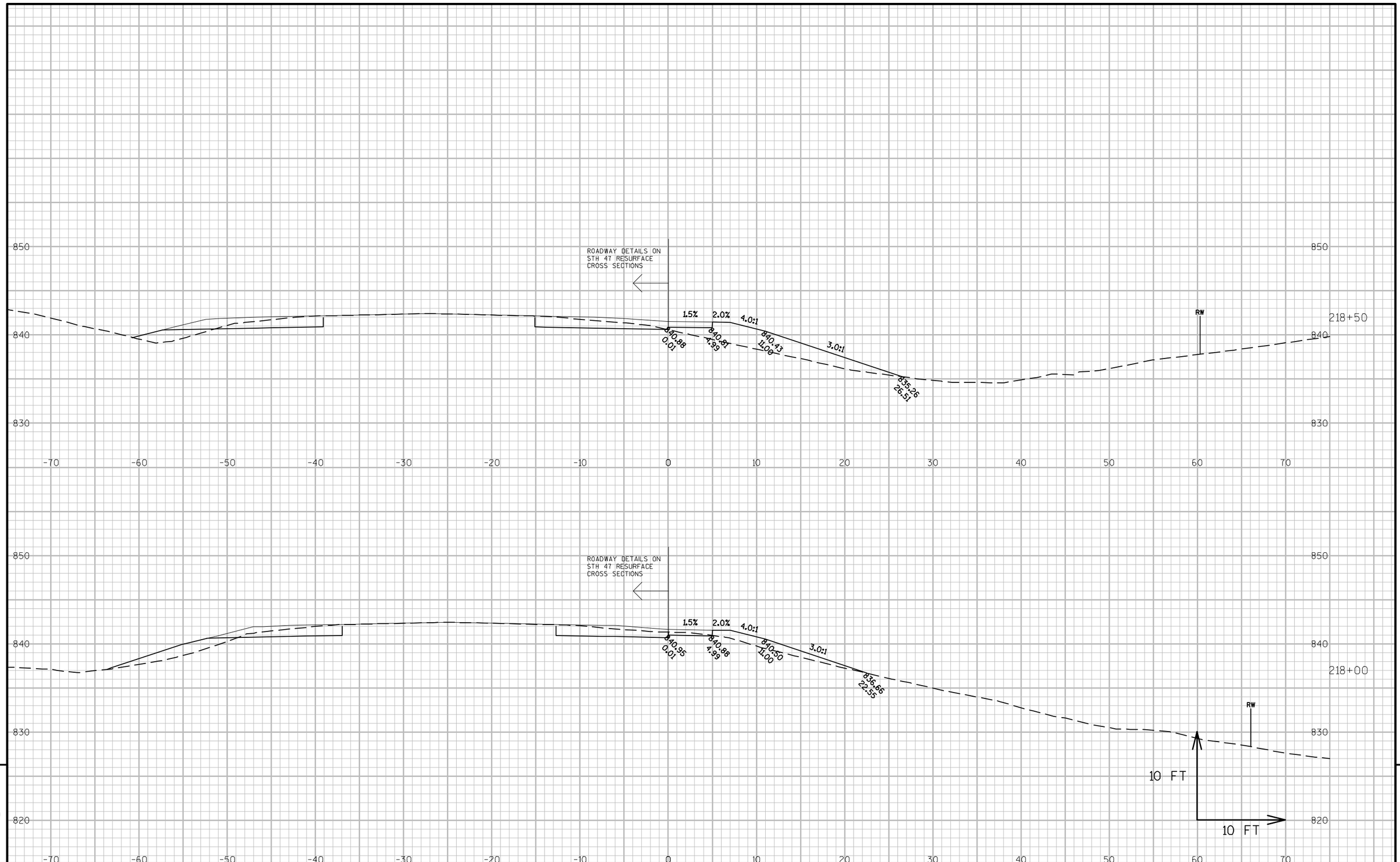
PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

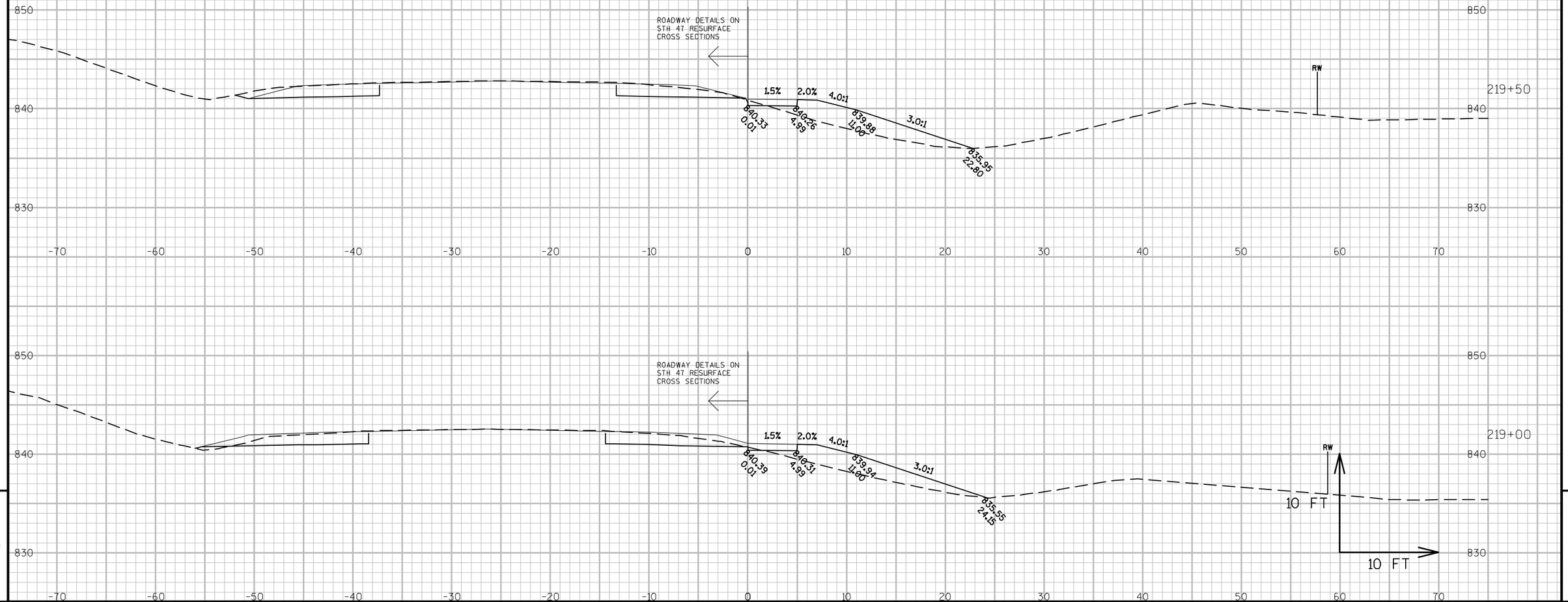
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(16)

PLOT DATE : 1/11/2019 1:33 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(17)
PLOT DATE : 1/11/2019 1:33 PM
PLOT BY : DOLAN, ISAAC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

9

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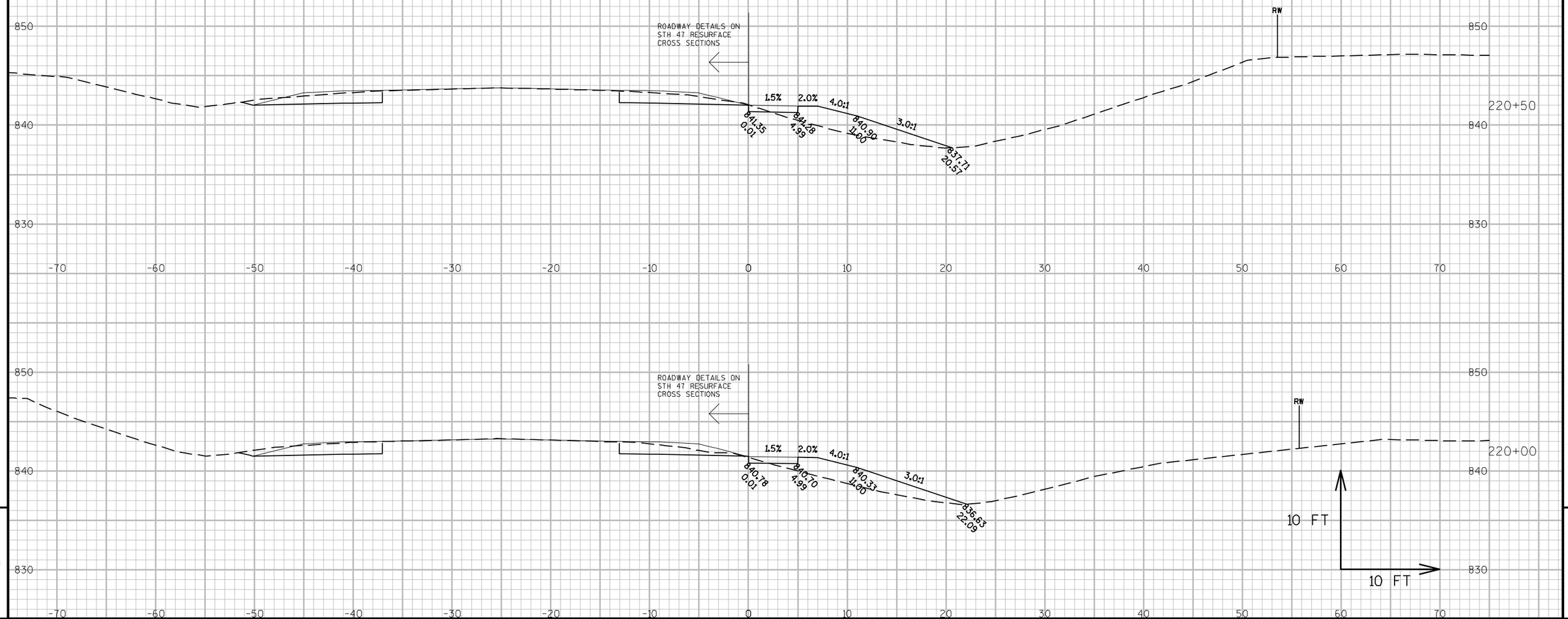
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(18)

PLOT DATE : 1/11/2019 1:33 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

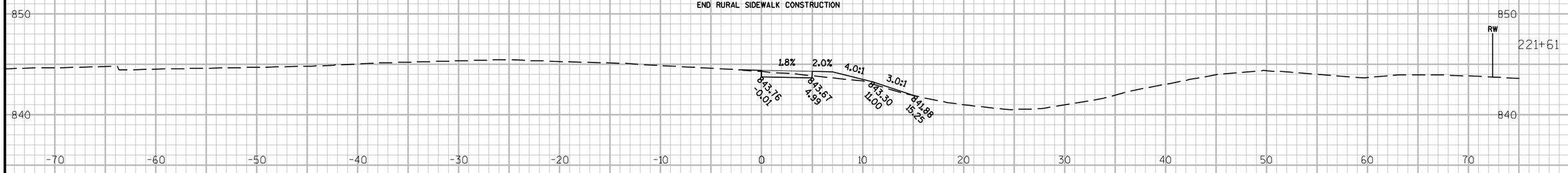


PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

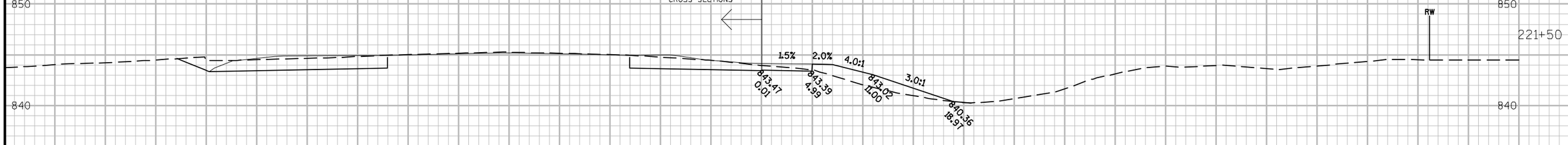
FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(19)

PLOT DATE : 1/11/2019 1:33 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT

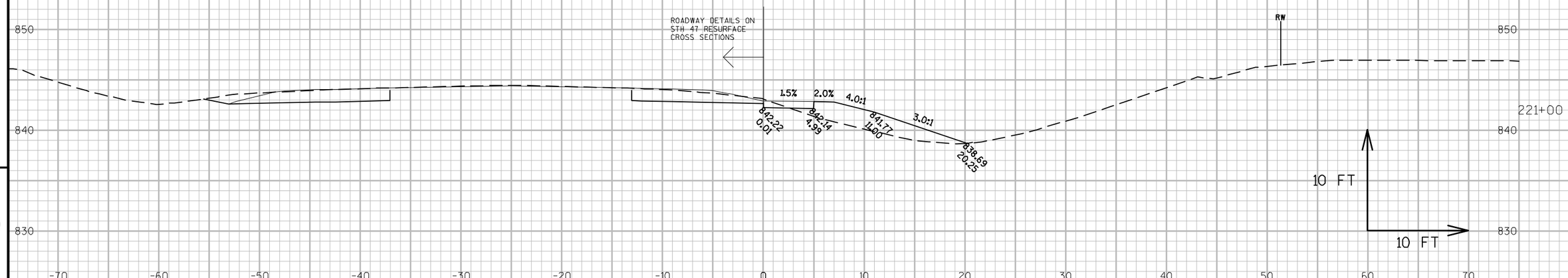
STA 221+73
END RURAL SIDEWALK CONSTRUCTION



ROADWAY DETAILS ON
STH 47 RESURFACE
CROSS SECTIONS



ROADWAY DETAILS ON
STH 47 RESURFACE
CROSS SECTIONS



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PROJECT NO: 9650-17-70	HWY: STH 47	COUNTY: MENOMINEE	CROSS SECTIONS: STH 47 - RURAL SIDEWALK	SHEET	E

FILE NAME : P:\60285986\000_CAD\001_DRAWINGS\SHEETS\090207_XS.DWG
LAYOUT NAME - 090207_XS-(20)

PLOT DATE : 1/11/2019 1:33 PM PLOT BY : DOLAN, ISAAC PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49