GRE

AUGUST 2019

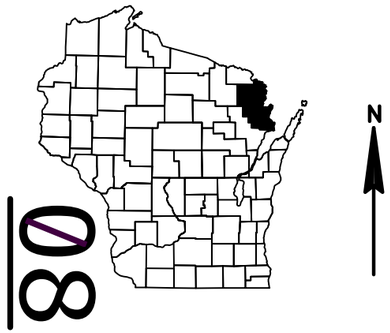
PROJECT ID: WITH: **9560-02-74/75**

COUNTY: **MARINETTE**

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 = 354



N

DESIGN DESIGNATION 9560-02-74/75

A.A.D.T.	(2015)	=	5,000
A.A.D.T.	(2020)	=	5,100
D.H.V.	(2040)	=	5,600
D.D.		=	59/41
T.		=	23.7%
DESIGN SPEED		=	25/30 MPH
ESALS		=	2,971,000

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CITY OF NIAGARA

PINE STREET - 4TH STREET

USH 141

MARINETTE COUNTY

STATE PROJECT NUMBER **9560-02-74**

BETTERS COURT - PINE STREET

USH 141

MARINETTE COUNTY

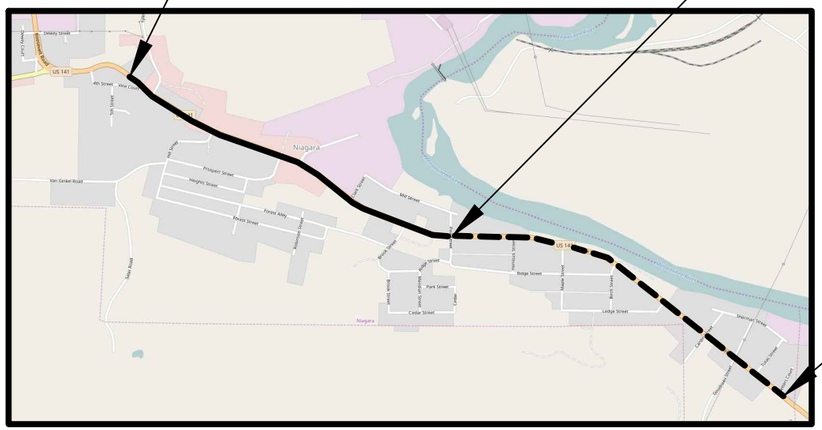
STATE PROJECT NUMBER **9560-02-75**

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9560-02-74	WISC 2019582	1
9560-02-75	WISC 2019583	1

END PROJECT 9560-02-74
STA. 209+79.35

END PROJECT 9560-02-75
BEGIN PROJECT 9560-02-74
STA. 164+00
Y = 392804.155
X = 712268.160

R-20-E



T-38-N

BEGIN PROJECT 9560-02-75
STA. 119+50
Y = 390,888,985
X = 716,111.075

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		**UTILITIES**	
REFERENCE LINE	300'EB'	ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
MARSH AREA		TELEPHONE	T
		WATER	W
		UTILITY PEDESTAL	
		POWER POLE	
WOODED OR SHRUB AREA		TELEPHONE POLE	

LAYOUT

SCALE 0 NOT TO SCALE

TOTAL NET LENGTH OF CENTERLINE =	1.710 MILES
PROJECT 9560-02-74 =	0.867 MILES
PROJECT 9560-02-75 =	0.843 MILES

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO NAVD 88.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, MARINETTE COUNTY, NAD83 (1991), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ACCEPTED FOR
CITY OF NIAGARA

4/24/19 Date — Jessie Beaulieu Mayor (Signature and Title of Official)

ORIGINAL PLANS PREPARED BY:

OES An Oneida ESC Group Company

ONEIDA ENGINEERING SOLUTIONS, LLC

WISCONSIN
BRETT A. PETERSON
44665-6
SUN PRAIRIE WI
PROFESSIONAL ENGINEER

DATE: 4/25/19 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	OES
Designer	OES
Project Manager	PAUL ZOELLNER
Regional Examiner	
Regional Supervisor	DANIEL SEGERSTROM

APPROVED FOR THE DEPARTMENT

DATE: 4/29/2019 (Signature)

E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\010101_TI.DWG PLOT DATE : 2/5/2019 1:50 PM PLOT BY : MARY PAMPERIN-VOLK PLOT NAME :

2

GENERAL NOTES

THE RIGHT OF WAY PLAT INCLUDED IN THE PLANS IS FOR REFERENCE ONLY. THE CONTRACTOR SHALL OBTAIN A COPY OF THE OFFICIAL RECORDED RIGHT OF WAY PLAT FROM THE COUNTY COURTHOUSE PRIOR TO CONSTRUCTION.

CONSTRUCTION PERMITS WERE OBTAINED BY THE CITY OF NIAGARA. CONTACT RON RUGG, PUBLIC WORKS DIRECTOR, (715) 251-3235, FOR THE PERMITS. THE CONSTRUCTION PERMITS WERE USED IN LIEU OF THE TEMPORARY LIMITED EASEMENTS (TLE) SHOWN ON THE PLANS. UNLESS OTHERWISE NOTED, THE CONSTRUCTION EASEMENTS ARE LIMITED TO THE AREAS DEFINED AND SHOWN AS TLE'S.

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

ALL RADII ARE MEASURED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN OR NOTED ON THE PLAN.

CURB AND GUTTER RADII ARE SHOWN TO THE FLANGE OF THE GUTTER.

THE CONTROL SURVEY FOR THIS PROJECT WAS CONDUCTED UNDER AND MET SPECIFICATIONS FOR THIRD ORDER CONTROL SURVEYS.

CURVE DATA IS BASED ON THE ARC DEFINITION.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK.

THE EXACT LOCATIONS AND LIMITS OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER.

ADJUSTMENTS TO TRAFFIC CONTROL DEVICES SHALL REQUIRE THE ENGINEERS APPROVAL.

DO NOT REMOVE ANY TREES OR SHRUBS THAT HAVE NOT BEEN IDENTIFIED FOR REMOVAL ON THE PLAN WITHOUT APPROVAL FROM THE ENGINEER.

SIDEWALK AND CURB & GUTTER REPLACEMENT SHALL BE TO THE NEAREST JOINT. LIMITS ARE APPROXIMATE AND ARE TO BE VERIFIED IN THE FIELD BY THE ENGINEER.

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

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

THE QUANTITY OF THE ITEMS FOR EROSION PROTECTION INCLUDES AN UNDISTRIBUTED AMOUNT FOR PROTECTION, CONTROL AND ABATEMENT OF WATER POLLUTION RESULTING FROM SOIL EROSION. THE DISTRIBUTION AND LOCATION OF THESE MATERIALS ARE TO BE DETERMINED BY THE ENGINEER.

EROSION CONTROL FEATURES SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

PLACE SILT FENCE AS SHOWN ON THE PLANS OR AS DIRECTED PRIOR TO CONSTRUCTION.

IMMEDIATELY AFTER CONSTRUCTION OF ANY INLET, THE CONTRACTOR SHALL CONSTRUCT THE INLET PROTECTION TO MINIMIZE SEDIMENTATION IN THE INLET AND STORM SEWER PIPES.

GENERAL NOTES

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN ARE APPROXIMATE AND SHALL BE ADJUSTED IF NECESSARY AS DETERMINED BY THE ENGINEER IN THE FIELD.

INLET GRATE ELEVATIONS REFERRED TO ON THE INLET NOTES ARE GUTTER FLOW LINE ELEVATIONS.

SEE PLAN DETAILS AND MISCELLANEOUS QUANTITIES FOR LOCATIONS REQUIRING INSULATION BOARD.

ALL PROPOSED INLETS AND MANHOLES INCLUDED IN THIS PLAN DO NOT HAVE A SUMP/CATCH BASIN.

THE CONTRACTOR SHALL VERIFY ELEVATIONS, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.

MAXIMUM GRADE CHANGE AT THE GUTTER FLANGE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%.

REDUCE CURB RAMP HEIGHT FROM FULL HEAD TO GUTTER FLOW LINE IN 1'-6" TO 2'.

UTILITIES

ATC MANAGEMENT, INC. - ELECTRICITY
MIKE OLSEN
801 O'KEEFE RD.
P.O. BOX 6113
DEPERE WI 54115
(920)-338-6582
molsen@atcllc.com.

ATC OVERHEAD FACILITIES CROSS USH 141 NORTH OF GOODREAU STREET.
THERE ARE NO ATC POWER POLES IN THE PROJECT LIMITS.

UP - LOGON.COM - COMMUNICATION LINE
DEAN CAROLLO
500 N STEPHENSON AVENUE
IRON MOUNTAIN MI 49801
(906) 774-4847
dean@uplogon.com

NSIGHT - COMMUNICATION LINE
RANDY HEIMKE
5475 GLENDALE AVENUE
GREEN BAY WI 54313
(920) 865-3162
randy.heimke@nsighttel.com

WE ENERGIES - ELECTRICITY
GEORGE JOHNSEN
800 INDUSTRIAL PARK DRIVE
IRON MOUNTAIN MI 49801
(906) 779-2486
george.johnsen@wecenergygroup.com

NIAGARA MUNICIPAL WATER UTILITY - WATER & SANITARY
RON RUGG
1029 ROOSEVELT RD.
NIAGARA, WI 54151
(715) 251-3235
citygarage@cityofniagara.org

WE ENERGIES - GAS/PETROLEUM
EDDIE A. HEDLUND
800 S. LYNNDALE DRIVE
APPLETON, WI 54912
(920) 380-3240
eddie.hedlund@wecenergygroup.com

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

ORDER OF DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
REMOVALS
RESURFACE PROJECT DETAILS
LAYOUT DETAILS
EROSION CONTROL PLAN
STORM SEWER PLAN
EXISTING SIGN REMOVALS AND
PERMANENT SIGNING AND PAVEMENT MARKING
TRAFFIC CONTROL AND PEDESTRIAN ACCESS PLAN
TEMPORARY SIGNAL PLAN
DETOUR PLAN
ALIGNMENT PLAN

CONTACTS

WISDOT - NORTHEAST REGION
PAUL ZOELLNER
944 VANDERPERREN WAY
GREEN BAY, WI 54313
(920) 366-8547
paul.zoellner@dot.wi.gov

CITY OF NIAGARA
MAYOR GEORGE BOUSLEY
1029 ROOSEVELT RD.
NIAGARA, WI 54151
(715) 251-3235

MICHIGAN DEPARTMENT OF TRANSPORTATION
(DETOUR SIGNING)
BENJAMIN FELDHAUSEN, PS PE
(906)-875-6644

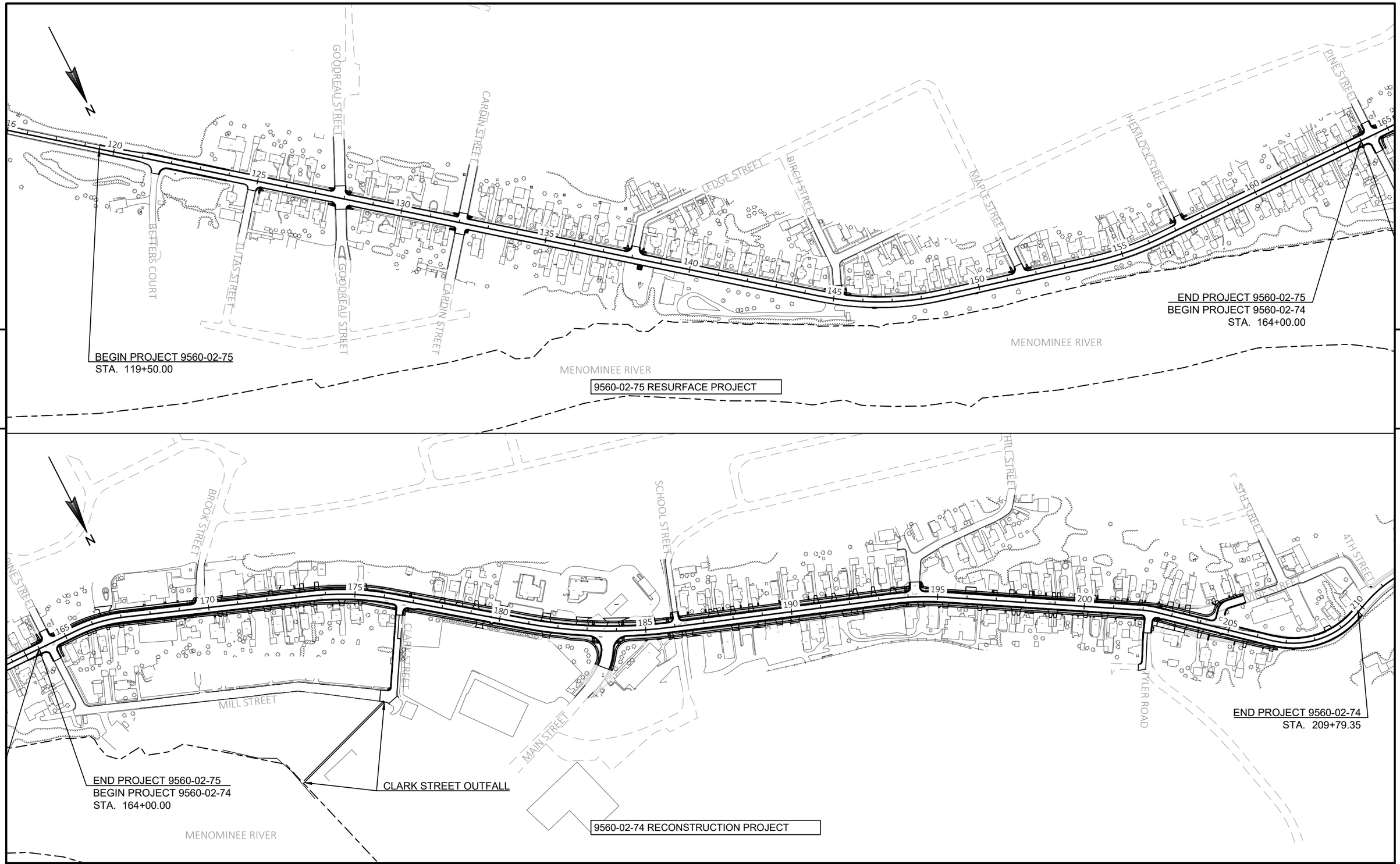
DESIGNER
ONEIDA ENGINEERING SOLUTIONS
BRETT PETERSON
5100 EASTPARK BLVD., SUITE 300
MADISON, WI 53718
(608) 241-6710
bpetereson@oesllc.com

WISDNR LIASON
DNR NORTHEAST REGIONAL HQ
JIM DOPERALSKI
2984 SHAWANO AVE.
GREEN BAY, WI 54313
(920) 662-5119
james.doperalski@wisconsin.gov

STANDARD ABBREVIATIONS

BUILDING	BLDG.	POINT OF INTERSECTION	PI
CENTER TO CENTER	C-C	POINT OF TANGENCY	PT
CENTER LINE	C/L	PRIVATE ENTRANCE	P.E.
COMMERCIAL ENTRANCE	C.E.	RADIUS	R
CUBIC YARD	C.Y.	REQUIRED	REQ'D
EAST	E	REFERENCE LINE	R/L
ELEVATION	EL.	RIGHT	RT.
FACE-TO-FACE	F/F	REINFORCED CONCRETE PIPE	RCP
FEET	FT	RIGHT OF WAY	R/W
GALLON	GAL	ROAD	RD
HOT MIX ASPHALT	HMA	SOUTHBOUND	SB
VERTICAL CURVE COEFFICIENT	K	STANDARD DETAIL DRAWING	S.D.D.
LANE	LN	STATION	STA.
LEFT	LT.	STATE TRUNK HIGHWAY	STH
LENGTH	L	STORM SEWER	SS
LINEAR FEET	LF	SQUARE YARD	S.Y.
MAXIMUM	MAX.	SUPER ELEVATION	S.E.
MANHOLE	MH	TYPICAL	TYP.
MINIMUM	MIN.	UNITED STATES HIGHWAY	USH
NORTH	N	VERTICAL CURVE LENGTH	VCL
NORTHBOUND	NB	POINT OF VERTICAL CURVATURE	VPC
NUMBER	NO.	POINT OF VERTICAL INTERSECTION	VPI
NORMAL	NOR.	POINT OF VERTICAL TANGENCY	VPT
OUTSIDE DIAMETER	O.D.	VARIABLE	VAR.
POINT OF CURVATURE	PC		

2



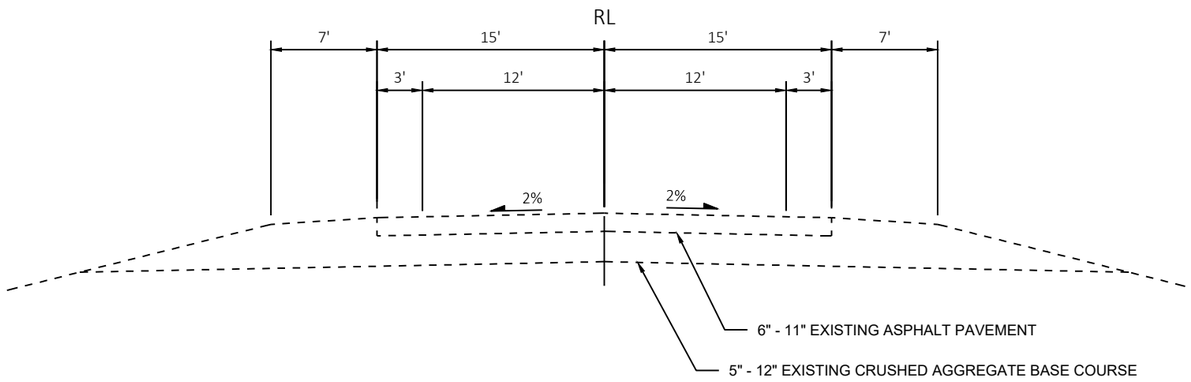
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - Project Overview

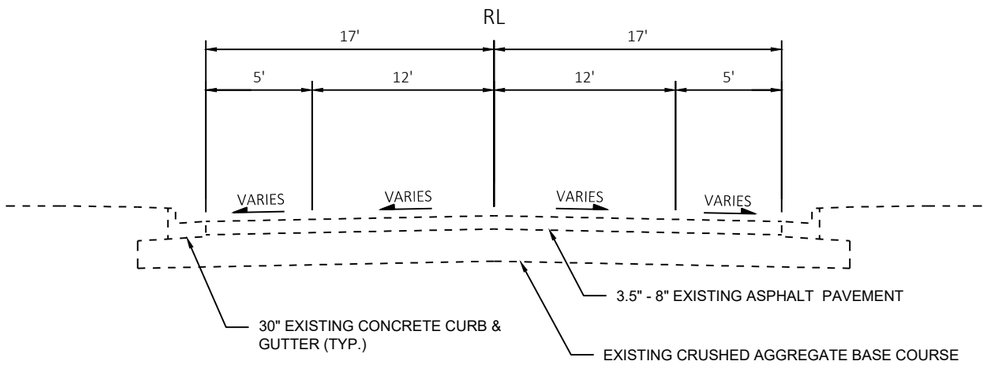
PLOT DATE : 4/10/2019 2:14 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:300 FT

WISDOT/CADDS SHEET 44

2



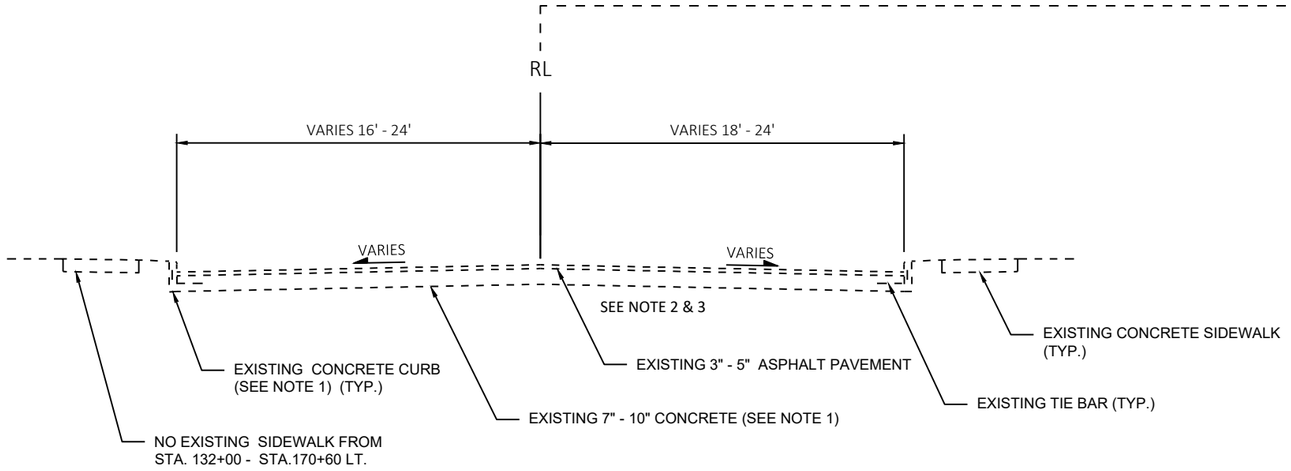
EXISTING TYPICAL SECTION - BEGINNING OF PROJECT TO BETTERS COURT
USH 141
STA. 119+50 TO STA. 121+13



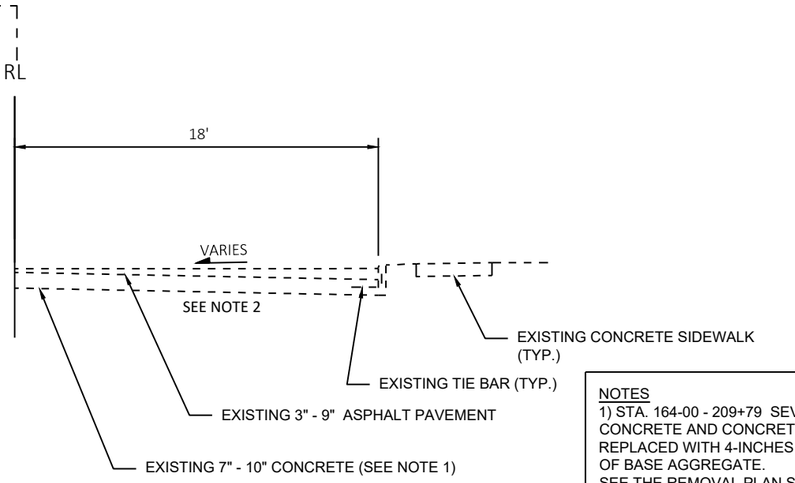
EXISTING TYPICAL SECTION - BETTERS COURT TO TUTAS STREET
USH 141
STA. 121+13 TO STA. 125+32

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN: TYPICAL SECTIONS	SHEET 4	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\020301_TS TO 020305_TS (EXISTING TYPICALS)).DWG
LAYOUT NAME - 020301_ts
PLOT DATE : 12/21/2018 10:03 AM PLOT BY : MARY PAMPERIN-VOLK PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION
USH 141
STA. 125+32 - STA. 164+00 - LT & RT
STA. 164+00 - STA. 180+80 - LT & RT
STA. 186+00 - STA. 207+00 - LT & RT
STA. 207+00 - STA. 209+79.35 - LT

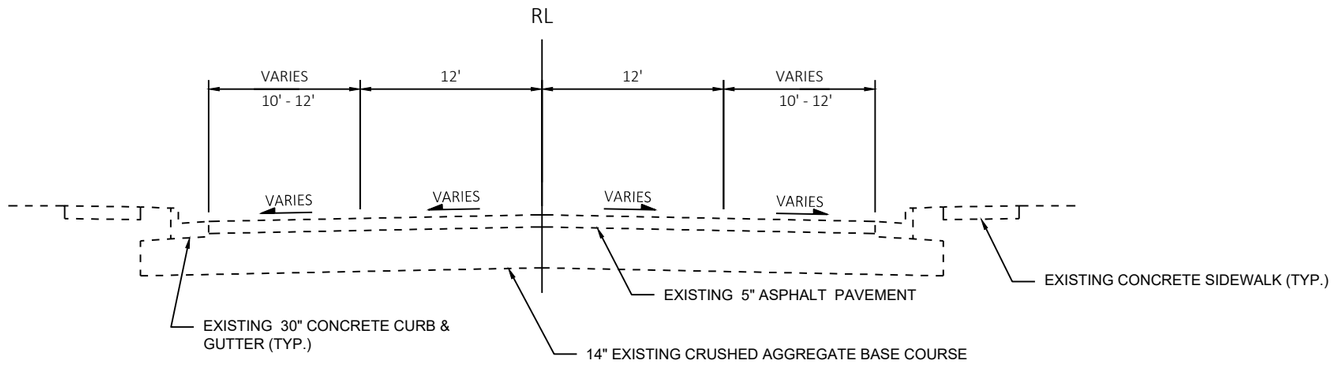


EXISTING TYPICAL SECTION (RT)
USH 141
STA. 207+00 - STA. 209+79.35 RT

NOTES
1) STA. 164-00 - 209+79 SEVERAL AREAS OF EXISTING CONCRETE AND CONCRETE CURB WERE REMOVED AND REPLACED WITH 4-INCHES OF ASPHALT OVER 12-INCHES OF BASE AGGREGATE.
SEE THE REMOVAL PLAN SHEETS FOR LOCATIONS OF THE CONCRETE PAVEMENT AND THE CONCRETE CURB THAT HAVE REMAINED IN PLACE.

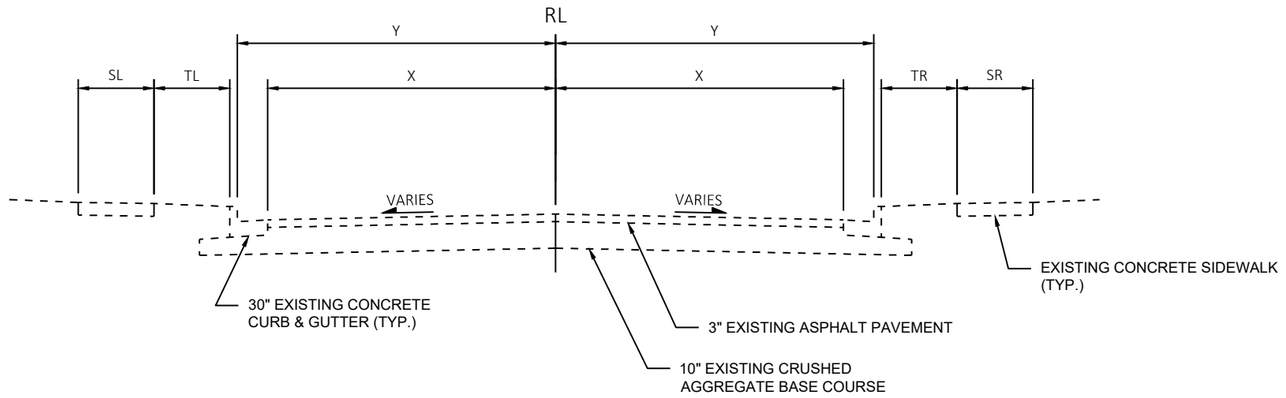
2) SOIL BORINGS SHOW SAND AND SILTY SAND BELOW THE EXISTING CONCRETE PAVEMENT.
SOIL BORINGS ARE AVAILABLE FROM WISDOT NE REGION.

3) STA. 170+00 - 177+00 EXCAVATION BELOW SUBGRADE (EBS) IS ANTICIPATED. REPLACE THE EBS WITH 16 INCHES OF BREAKER RUN STONE OVER GEOGRID TYPE SR.



EXISTING TYPICAL SECTION
USH 141
STA. 180+80 TO STA. 186+00

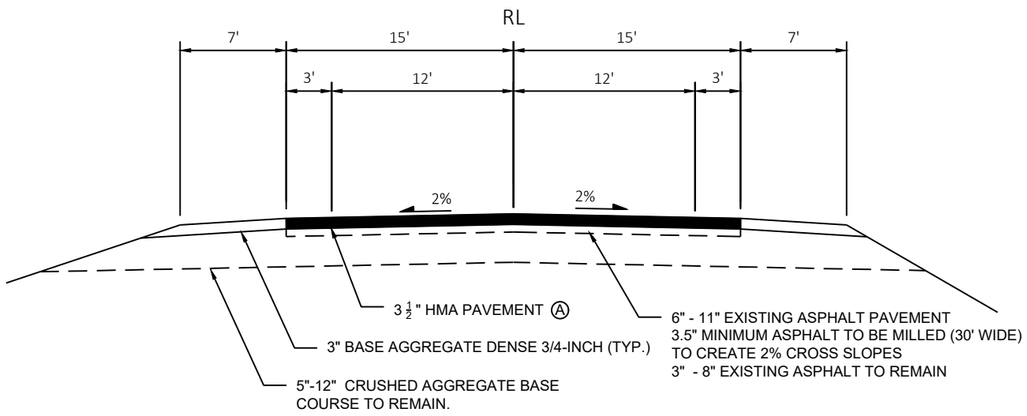
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EXISTING TYPICAL SECTION

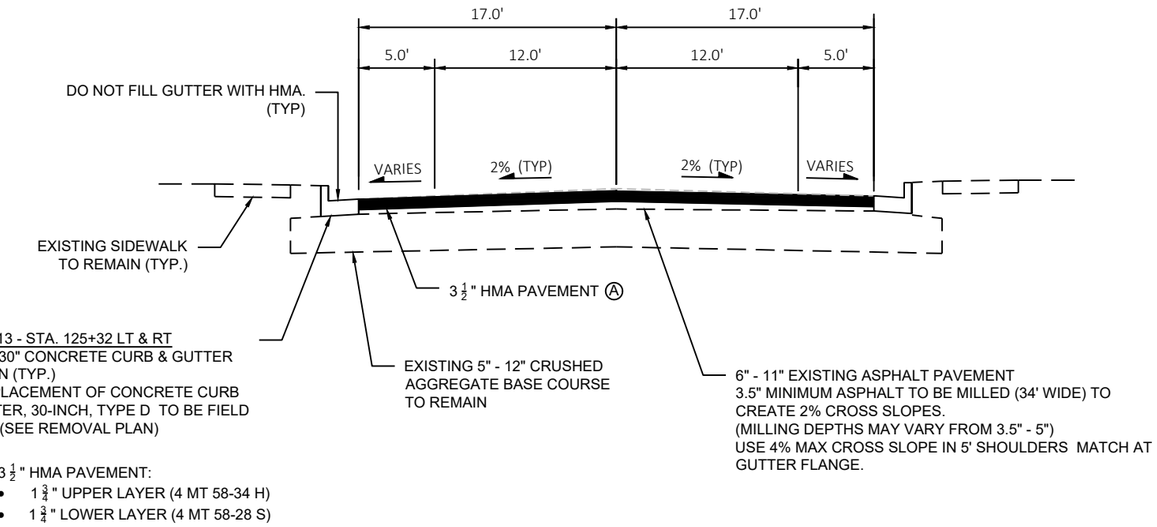
PINE STREET
BROOK STREET
SCHOOL STREET
VINE STREET
CLARK STREET
MAIN STREET
HILL STREET
TYLER ROAD

ROADWAY	STA. TO STA.	SL	TL	X	Y	TR	SR
PINE STREET	9+50'P' - 10+00'P'	N/A	N/A	12.5'	14.5'	9.0'	4.0'
PINE STREET	10+00'P' - 10+60'P'	4.0'	VAR.	12.5'	14.5'	N/A	N/A
BROOK STREET	9+63'BR' - 10+00'BR'	N/A	N/A	14.5'	16.5'	N/A	4.0'
SCHOOL STREET	9+50'S' - 10+00'S'	N/A	N/A	8.5'	10.5'	N/A	5.0'
VINE STREET	8+50'V' - 10+00'V'	N/A	N/A	12.0'	16.0'	N/A	4.0'
CLARK STREET	10+00'C' - 13+15'C'	5.0'	VAR.	10.0'	12.0'	N/A	N/A
MAIN STREET	10+00'M' - 11+25'M'	5.0'	5.0'	19.0'	21.0'	5.0'	5.0'
HILL STREET	9+50'HI' - 10+00'HI'	5.0'	N/A	16.0'	18.0'	N/A	N/A
TYLER ROAD	10+00'TY' - 12+00'TY'	N/A	N/A	12.0'	14.0'	N/A	N/A



TYPICAL FINISHED SECTION - BEGINNING OF PROJECT TO BETTERS COURT
USH 141
STA. 119+50 TO STA. 121+13

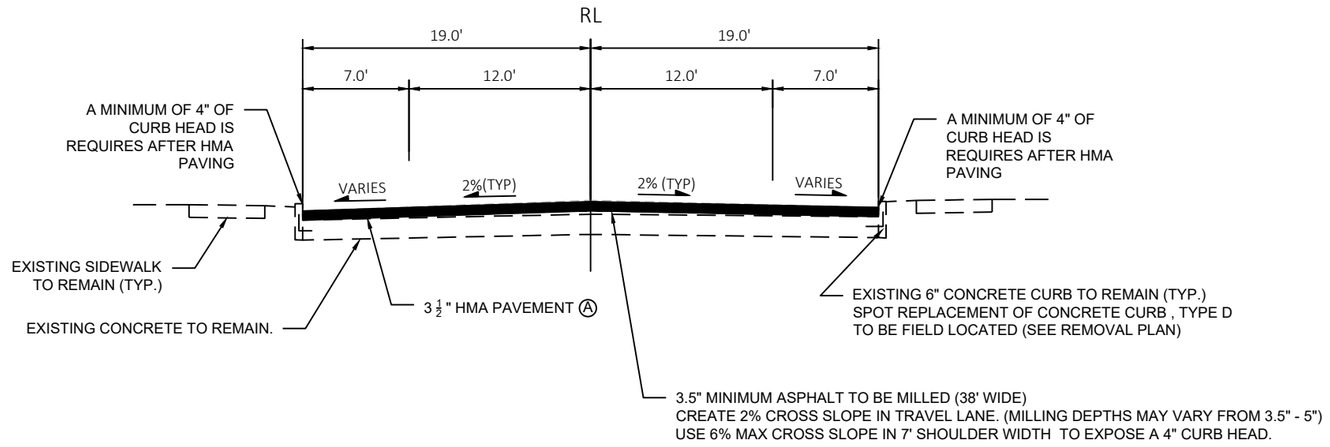
Ⓐ 3 ½ " HMA PAVEMENT:
- 1 ¾ " UPPER LAYER (4 MT 58-34 H)
- 1 ¾ " LOWER LAYER (4 MT 58-28 S)



Ⓐ 3 ½ " HMA PAVEMENT:
- 1 ¾ " UPPER LAYER (4 MT 58-34 H)
- 1 ¾ " LOWER LAYER (4 MT 58-28 S)

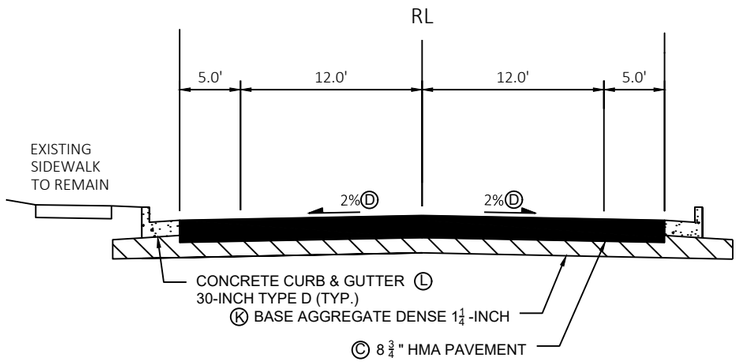
TYPICAL FINISHED SECTION - BETTERS COURT TO TUTAS STREET
USH 141
STA. 121+13 TO STA. 125+32

2



Ⓐ 3 ½ " HMA PAVEMENT:
- 1 ¾ " UPPER LAYER (4 MT 58-34 H)
- 1 ¾ " LOWER LAYER (4 MT 58-28 S)

TYPICAL FINISHED SECTION - TUTAS STREET TO PINE STREET
USH 141
STA. 125+32 TO STA. 163+50



Ⓚ DEPTH OF BASE AGGREGATE DENSE 1 1/4-INCH WILL VARY TO MATCH THE THE RECONSTRUCTION PROFILE TO THE EXISTING ROADWAY PROFILE.

Ⓛ MATCH CURB AND GUTTER TO EXISTING CURB

TYPICAL FINISHED SECTION
USH 141
STA. 163+50 TO STA. 164+00

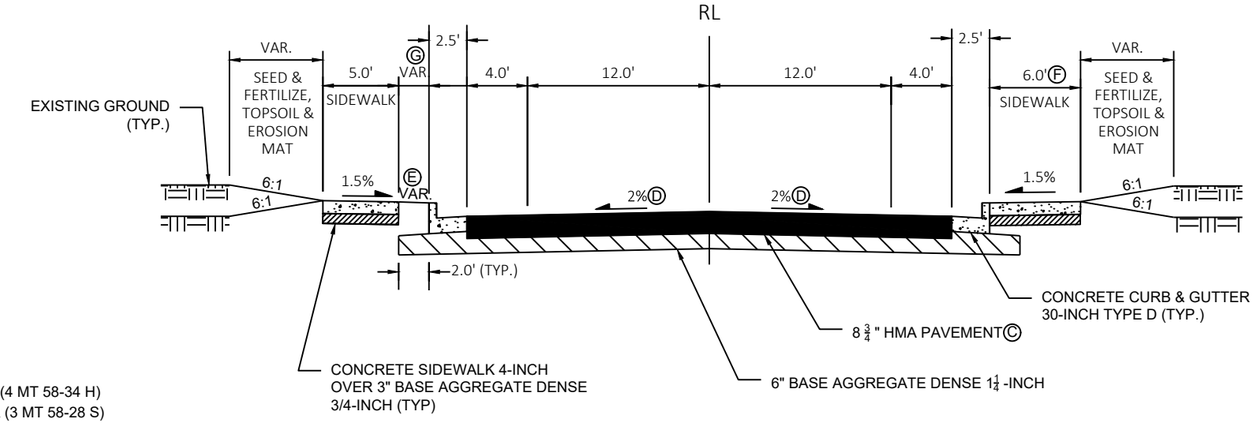
Ⓒ 8¾" HMA PAVEMENT:
- 1¾" UPPER LAYER (4 MT 58-34 H)
- 3½" LOWER LAYER (3 MT 58-28 S)
- 3½" LOWER LAYER (3 MT 58-28 S)

Ⓓ SEE LAYOUT DETAILS FOR CROSS SLOPE TRANSITION LOCATIONS

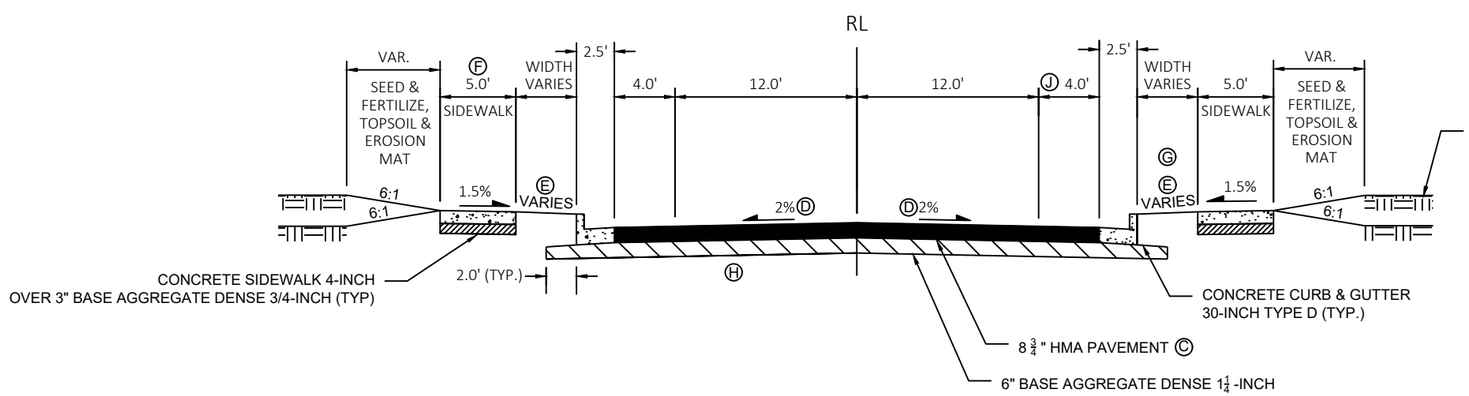
Ⓔ SEED, FERTILIZE, TOPSOIL AND EROSION MAT

Ⓕ NO SIDEWALK FROM STA. 164+00 TO STA. 164+39, RT.

Ⓖ TERRACE WIDTH VARIES FROM STA. 164+00 TO STA. 164+39, LT. 4.5' TERRACE FROM STA. 164+38.98 TO STA. 166+40, LT.



TYPICAL FINISHED SECTION
USH 141
STA. 164+00 TO STA. 166+40



TERRACE WIDTH - LEFT			
WIDTH	STATION	TO	STATION
VARIES	164+00	-	164+38.98
4.5'	164+38.98	-	169+73.03
6'	169+73.03	-	174+75
6'-10.5'	174+75	-	175+10
10.5'	175+10	-	193+58.52
10.5'-3.5'	193+58.52	-	194+91.67
3.5'	194+91.67	-	201+20
3.5'-3'	201+20	-	201+50
3'	201+50	-	201+95.52
3'-7.5'	201+95.52	-	202+45
7.5'	202+45	-	204+61.39

Ⓒ 8¾" HMA PAVEMENT:
- 1¾" UPPER LAYER (4 MT 58-34 H)
- 3½" LOWER LAYER (3 MT 58-28 S)
- 3½" LOWER LAYER (3 MT 58-28 S)

Ⓓ SEE LAYOUT DETAILS FOR CROSS SLOPE TRANSITION LOCATIONS

Ⓔ SEED, FERTILIZE, TOPSOIL AND EROSION MAT

Ⓕ 7' SIDEWALK FROM STA. 166+80 TO STA. 169+73.03, LT.

Ⓖ CONCRETE SIDEWALK 4-INCH TERRACE FROM STA. 184+24 TO 196+52, RT.

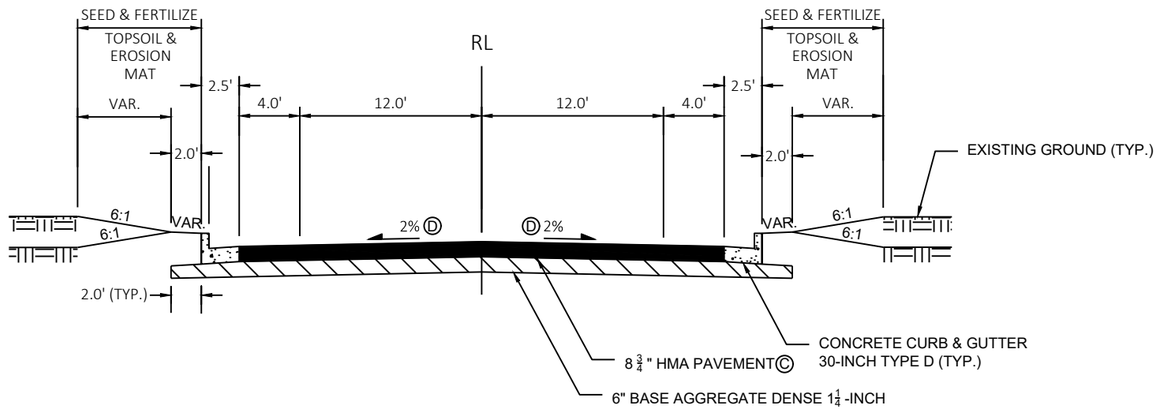
Ⓗ STA. 170+00 - 177+00 EXCAVATION BELOW SUBGRADE (EBS) IS ANTICIPATED. REPLACE THE EBS WITH 16 INCHES OF BREAKER RUN OVER GEOTEXTILE TYPE SR.

Ⓙ STA. 177+07 - 177+23 RT SHOULDER WIDTH VARIES 4' TO 8'

TYPICAL FINISHED SECTION
USH 141
STA. 166+40 TO STA. 206+75

TERRACE WIDTH - RIGHT			
WIDTH	STATION	TO	STATION
0'-4'	166+40	-	166+91.36
4'	166+91.36	-	169+94.78
4'-6.5'	169+94.78	-	170+30.92
6.5'	170+30.92	-	173+55
6.5'-10.5'	173+55	-	176+23.26
10.5'	176+23.26	-	176+95
10.5'-8'	176+95	-	177+15
8'	177+15	-	182+25
8'-11.5'	182+25	-	182+45
11.5'	182+45	-	183+70.25
10.5'	183+70.25	-	193+50
10.5'-7.5'	193+50	-	193+75
7.5'	193+75	-	202+23.14
6'	202+23.14	-	202+85
6'-7.5'	202+85	-	203+15
7.5'	203+15	-	206+05
7.5'-4'	206+05	-	206+75

2



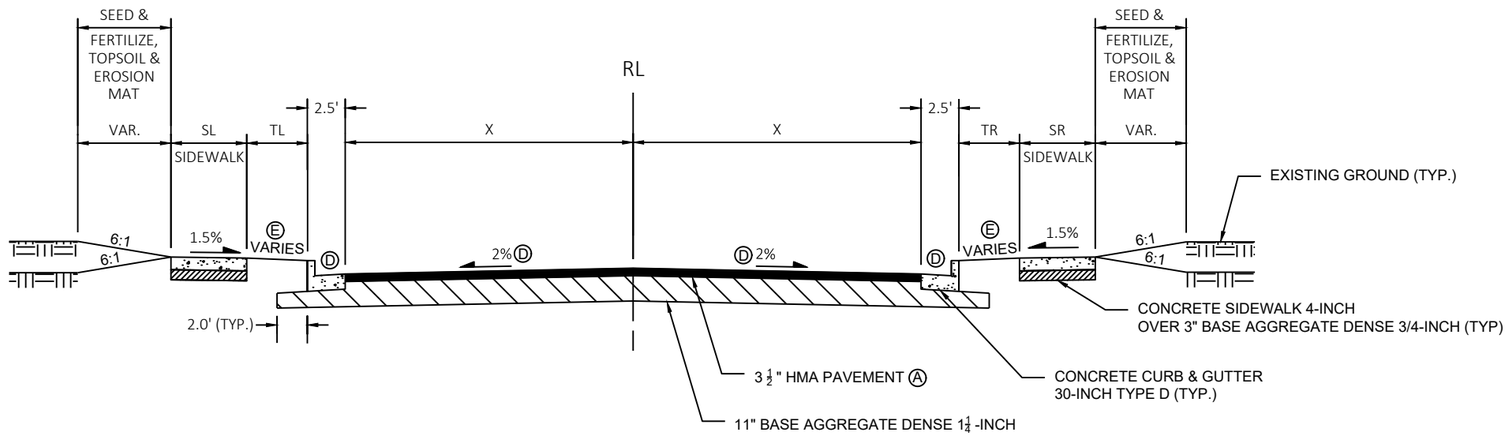
Ⓒ 8 $\frac{3}{4}$ " HMA PAVEMENT:
- 1 $\frac{3}{4}$ " UPPER LAYER (4 MT 58-34 H)
- 3 $\frac{1}{2}$ " LOWER LAYER (3 MT 58-28 S)
- 3 $\frac{1}{2}$ " LOWER LAYER (3 MT 58-28 S)

Ⓓ SEE LAYOUT DETAILS FOR CROSS SLOPE TRANSITION LOCATIONS

TYPICAL FINISHED SECTION
USH 141
STA. 206+75 TO STA. 209+79.35

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN: TYPICAL SECTIONS	SHEET 9	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\020306_TS TO 020310_TS (PROPOSED TYPICALS).DWG
LAYOUT NAME - 020308_ts
PLOT DATE : 4/12/2019 8:56 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########



TYPICAL FINISHED SECTION

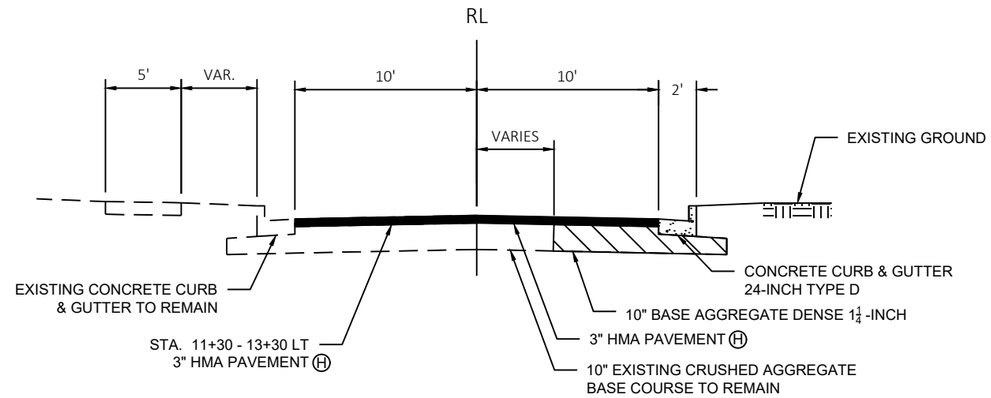
PINE STREET
VINE STREET
CLARK STREET
BROOK STREET
SCHOOL STREET
VINE STREET
MAIN STREET
HILL STREET
TYLER ROAD

Ⓐ 3 1/2" HMA PAVEMENT:
- 1 3/4" UPPER LAYER (4 MT 58-34 H)
- 1 3/4" LOWER LAYER (4 MT 58-28 S)

Ⓓ SEE LAYOUT DETAILS FOR CROSS SLOPE TRANSITION LOCATIONS AND REVERSE GUTTER SLOPE LOCATIONS

Ⓔ SEED, FERTILIZE, TOPSOIL, AND EROSION MAT

ROADWAY	STA. TO STA.	SL	TL	X	TR	SR
PINE STREET	9+50'P' - 10+00'P'	N/A	2.0'	12.5	7.5'	5.0'
PINE STREET	10+00'P' - 10+60'P'	5.0'	6.5'	12.5'	2.0'	N/A
VINE STREET	9+09.94'V' - 9+43.92'V'	N/A	2.0'	12.0'	0'-7.5'	5.0'
VINE STREET	9+43.92'V' - 10+00'V'	N/A	2.0'	12.0'	7.5'	5.0'
CLARK STREET	10+00'C' - 10+50'C'	5.0'	2.0'	10.0'	2.0'	N/A
BROOK STREET	9+63'BR' - 10+00'BR'	N/A	2.0'	14.5	N/A	6.0'
SCHOOL STREET	9+50'S' - 10+00'S'	N/A	2.0'	8.5'	N/A	6.0'
VINE STREET	8+50'V' - 9+09.94'V'	N/A	2.0'	12.0'	N/A	6.0'
MAIN STREET	10+00'M' - 11+25'M'	5.0'	4.0'	19.0'	4.0'	5.0'
HILL STREET	9+50'HI' - 10+00'HI'	6.0'	N/A	16.0'	2.0'	N/A
TYLER ROAD	10+00'TY' - 10+75'TY'	N/A	2.0'	12.0'	2.0'	N/A

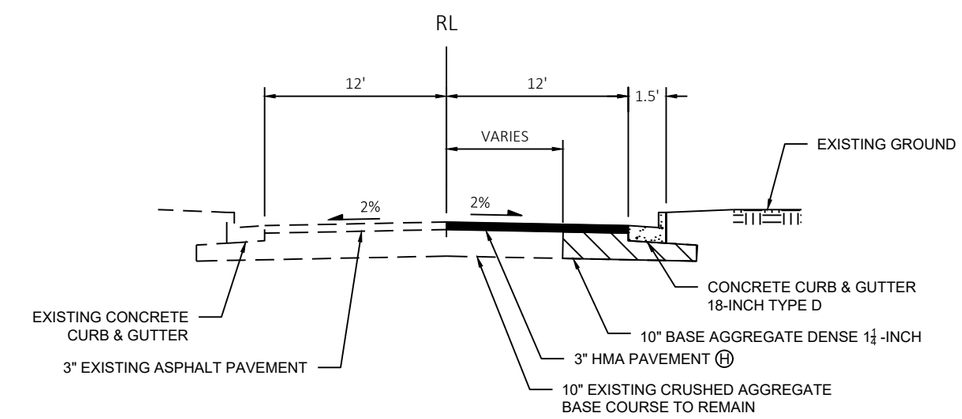


STA. 10+50 - 11+30 LT
EXISTING ASPHALT TO REMAIN

TYPICAL FINISHED HALF SECTION
CLARK STREET (STORM SEWER OUTFALL)
STA. 10+50'C' TO STA. 13+30'C'

NOTE: SAWCUT ASPHALT DOWN CENTER LINE . REMOVE AND REPLACE ASPHALT, BASE AGGREGATE DENSE 1-1/4-INCH, AND CURB AND GUTTER IN-KIND ALONG THE EAST SIDE OF CLARK STREET AS NEEDED FOR STORM SEWER INSTALLATION.

Ⓗ 3" HMA PAVEMENT:
- 1 1/2" UPPER LAYER (4 MT 58-34 H)
- 1 1/2" LOWER LAYER (4 MT 58-28 S)



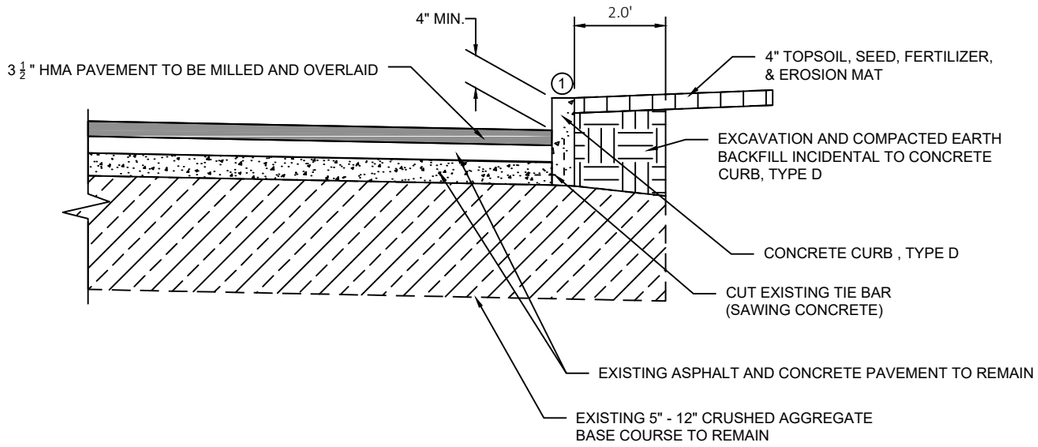
TYPICAL FINISHED HALF SECTION
TYLER ROAD (STORM SEWER OUTFALL)
STA. 10+75'TY' TO STA. 12+00'TY'

NOTE: SAWCUT ASPHALT DOWN CENTER LINE. REMOVE AND REPLACE ASPHALT, BASE AGGREGATE DENSE 1-1/4-INCH, AND CURB AND GUTTER IN-KIND ALONG THE EAST SIDE OF TYLER ROAD AS NEEDED FOR STORM SEWER INSTALLATION.

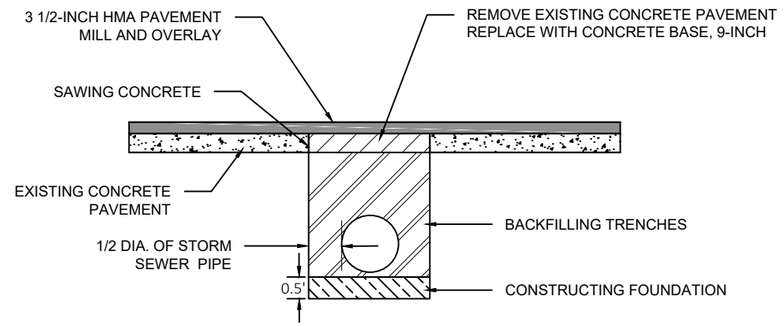
Ⓗ 3" HMA PAVEMENT:
- 1 1/2" UPPER LAYER (4 MT 58-34 H)
- 1 1/2" LOWER LAYER (4 MT 58-28 S)

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN: TYPICAL SECTIONS	SHEET 10	E

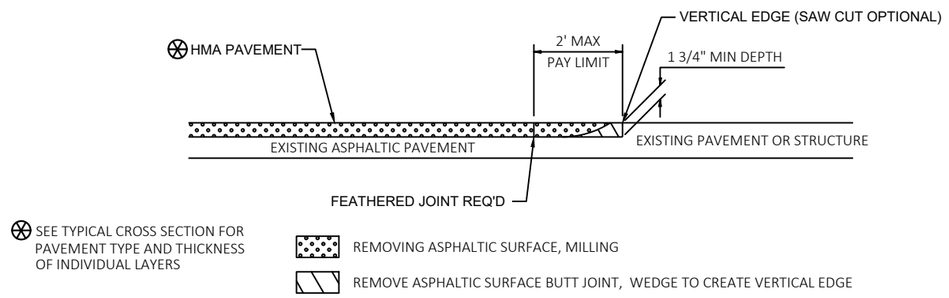
① REMOVE EXISTING CONCRETE CURB TYPE A AND CUT TIE BARS FLUSH WITH THE EDGE OF EXISTING CONCRETE PAVEMENT.
POUR CONCRETE CURB, TYPE D ADJACENT TO THE EDGE OF THE EXISTING CONCRETE PAVEMENT.



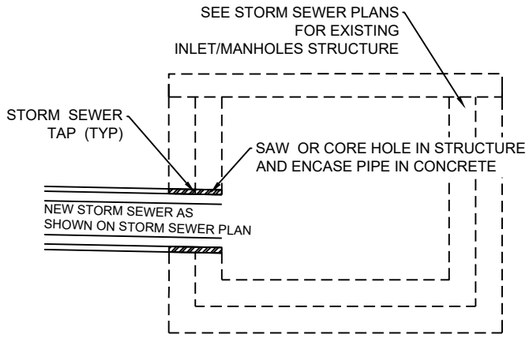
CURB REPLACEMENT DETAIL



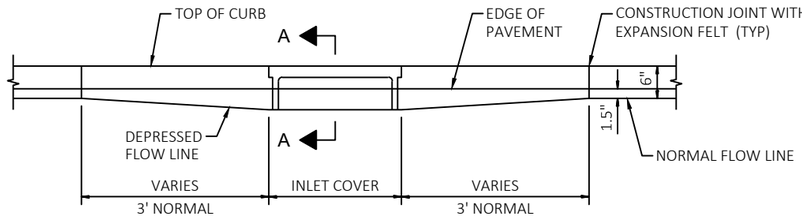
STORM SEWER PIPE CONSTRUCTION IN RESURFACE PROJECT

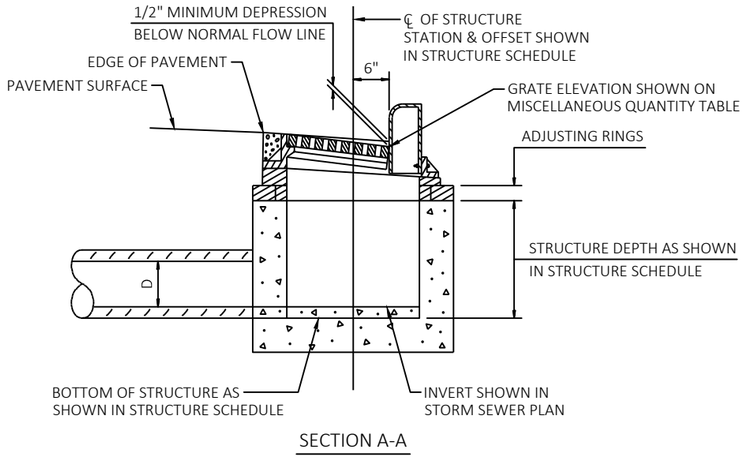


BUTT JOINT DETAIL FOR ASPHALTIC PAVEMENTS (NO PROFILE CHANGE)



STORM SEWER TAP DETAIL

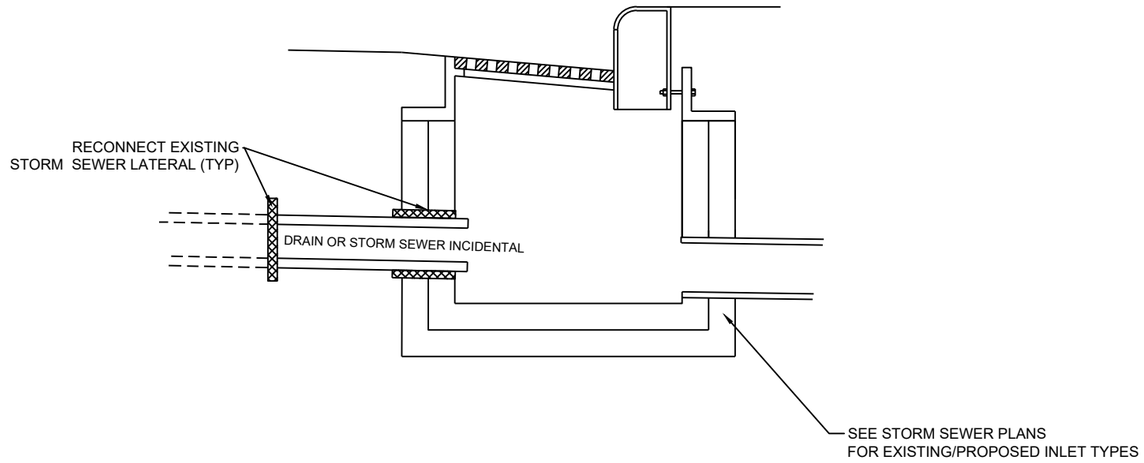




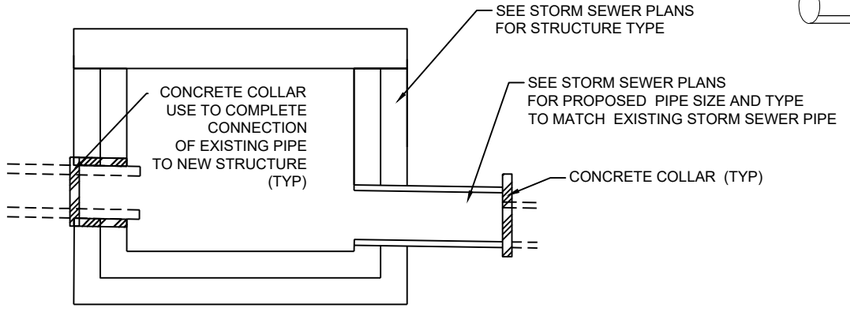
SECTION A-A

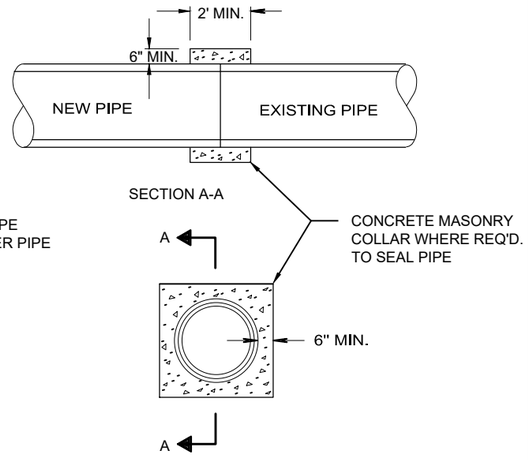
DETAIL OF CURB AND GUTTER AT INLETS

ALL LABOR AND MATERIALS NECESSARY FOR CONNECTION OF DRAIN OR STORM PIPE TO INLET OR MANHOLE SHALL BE INCIDENTAL TO THE BID ITEM "RECONNECT EXISTING STORM LATERAL"

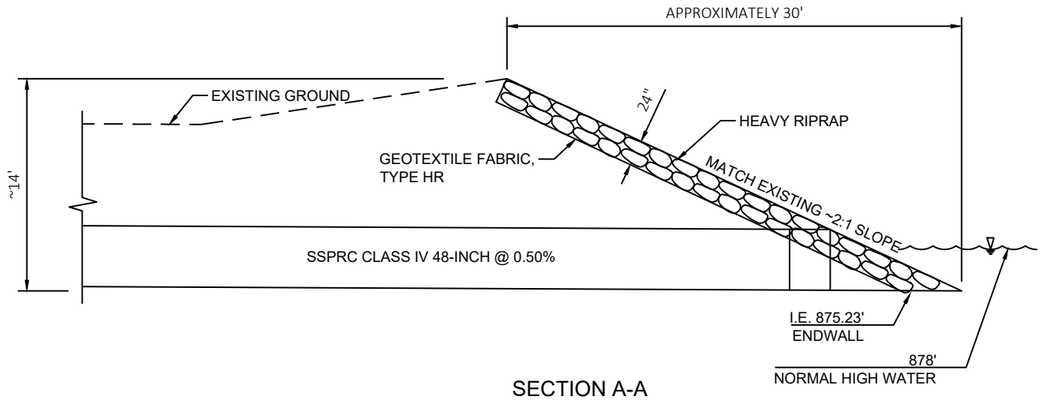


RECONNECT EXISTING STORM SEWER LATERAL DETAIL

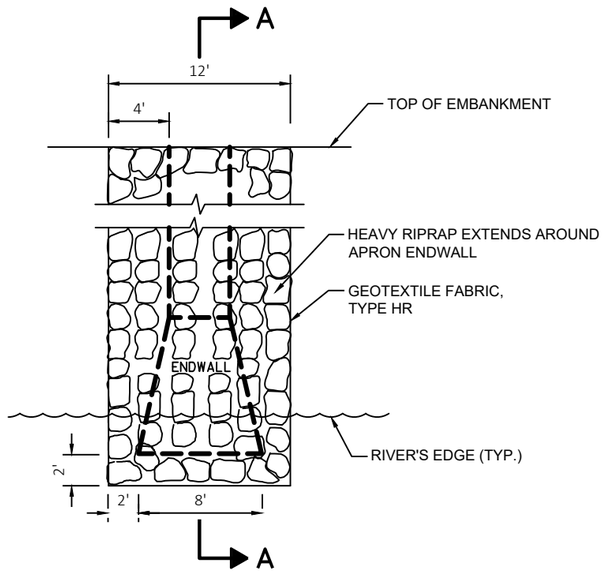




CONCRETE COLLAR DETAIL



SECTION A-A



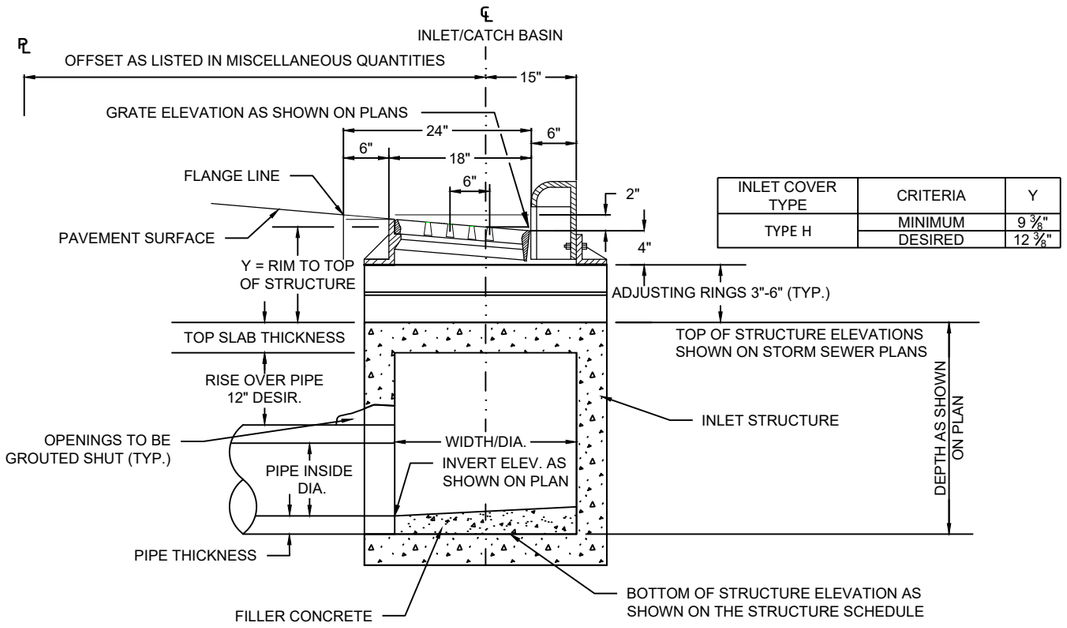
CLARK STREET OUTFALL DETAIL

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 = 8.13 ACRES 9560-02-75
9.95 ACRES 9560-02-74
ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 10.12 ACRES 9560-02-75
3.94 ACRES 9560-02-74

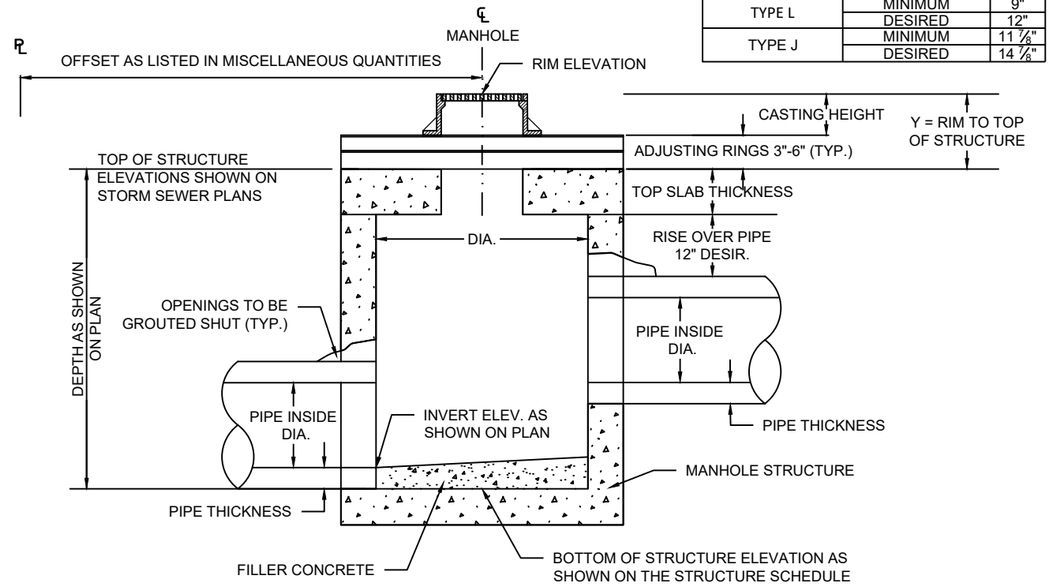
2



INLET COVER TYPE	CRITERIA	Y
TYPE H	MINIMUM	9 3/8"
	DESIRED	12 3/8"

GENERAL NOTES:
1. SEE STORM SEWER STRUCTURE SCHEDULE FOR MORE INFORMATION.
2. TOP SLAB THICKNESS FOR INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT IS 0-INCHES.
3. SEE S.D.D.'S INLETS 3-FT & 4FT DIAMETER AND INLETS 2X2-FT, 2X2.5-FT, 2X3FT, & 2.5X3-FT FOR MORE INFORMATION.

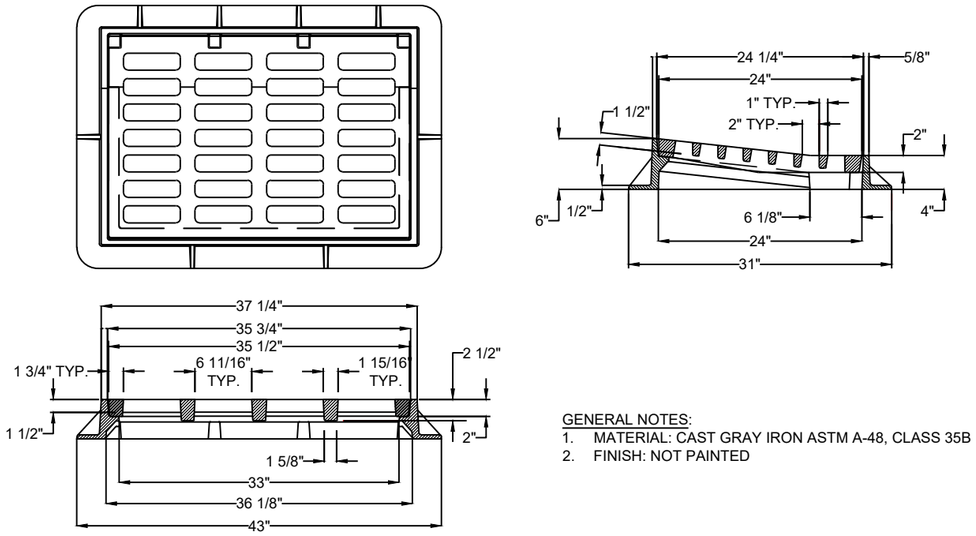
DETAIL OF STRUCTURE DIMENSIONS FOR INLETS AND CATCH BASINS
(SEE STORM SEWER PLANS AND MISCELLANEOUS QUANTITIES FOR LOCATIONS)



MANHOLE COVER TYPE	CRITERIA	Y
TYPE L	MINIMUM	9"
	DESIRED	12"
TYPE J	MINIMUM	11 1/8"
	DESIRED	14 1/8"

GENERAL NOTES:
1. SEE STORM SEWER STRUCTURE SCHEDULE FOR MORE INFORMATION.
2. SEE S.D.D. MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, & 8-FT DIAMETER FOR MORE INFORMATION.

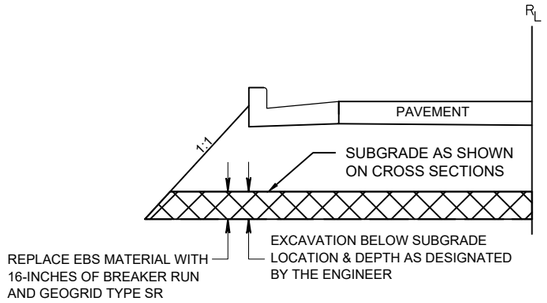
DETAIL FOR COMPUTING MANHOLE ELEVATIONS
(SEE STORM SEWER PLANS AND MISCELLANEOUS QUANTITIES FOR LOCATIONS)



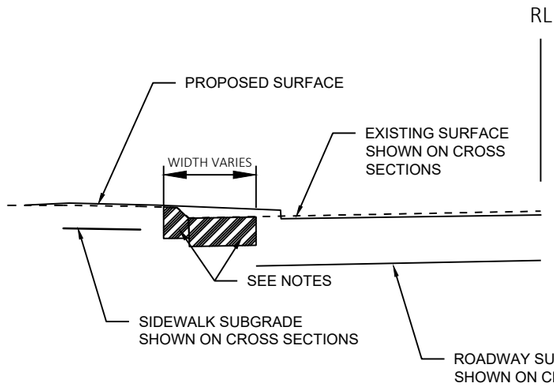
GENERAL NOTES:
1. MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
2. FINISH: NOT PAINTED

DRIVEWAY INLET COVER

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CONSTRUCTION DETAILS	SHEET 14	E



DETAIL FOR EXCAVATION BELOW SUBGRADE



NOTES:
REMOVAL OF THESE SECTIONS OF EXISTING CONCRETE ROADWAY AND CURB & GUTTER ARE NOT SHOWN ON THE CROSS SECTIONS.

THE TYPICAL DEPTH OF REMOVAL WILL BE 1 FOOT BELOW THE EXISTING SURFACE. THE WIDTHS VARY.

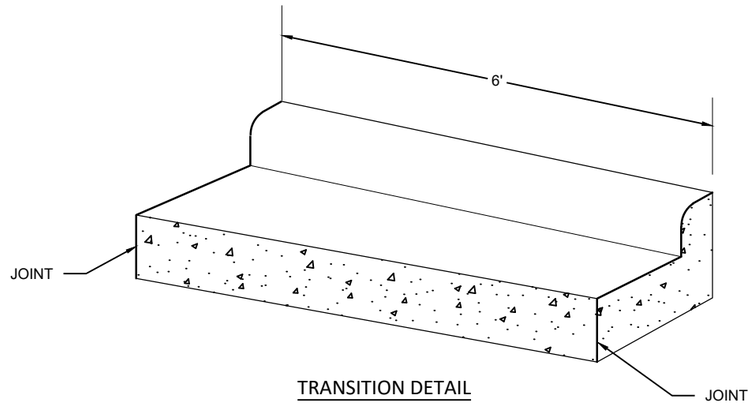
THE AREAS ARE INCLUDED IN THE REMOVING PAVEMENT PAY ITEM.

THE EARTHWORK TABLE DOES NOT INCLUDE THIS END AREA AS EXCAVATION COMMON. BACKFILL WITH EXCAVATION COMMON, FREE OF LARGE DEBRIS OR PAVEMENT, AND FINISH WITH 6 INCHES OF TOPSOIL.

THIS DETAIL APPLIES TO BOTH LEFT AND RIGHT SIDES OF THE ROADWAY.

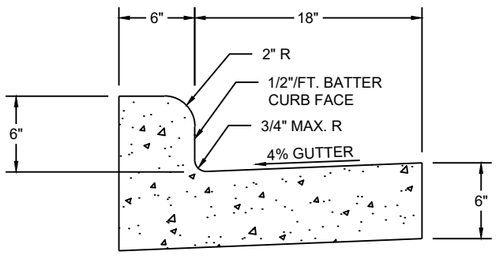
SUBGRADE LIMITS NOT SHOWN ON CROSS SECTIONS
STA. 164+00 TO STA. 209+79.35

2

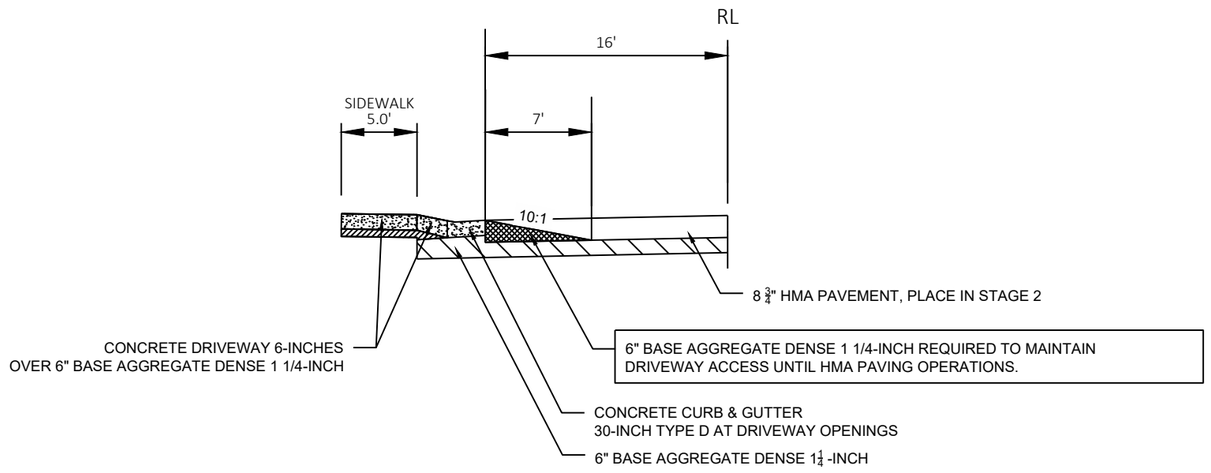


TRANSITION DETAIL

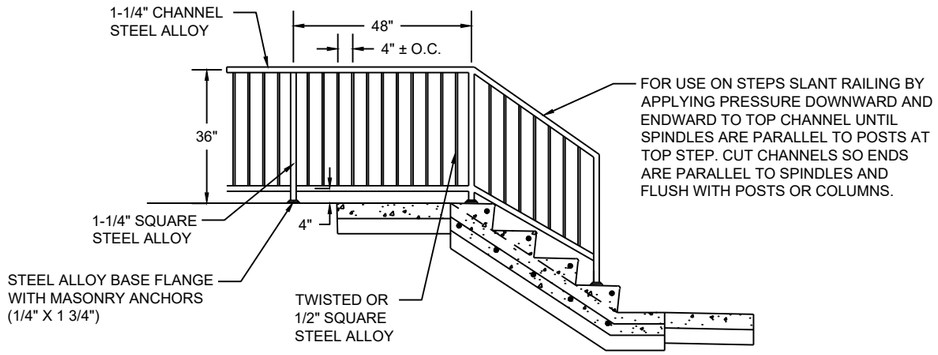
30" TYPE "D" CURB & GUTTER TO 24" TYPE "D" CURB & GUTTER (TO BE MEASURED & PAID FOR AS 30" CONC. C&G)



CONCRETE CURB & GUTTER 24-INCH TYPE D



MAINTAIN DRIVEWAY ACCESS

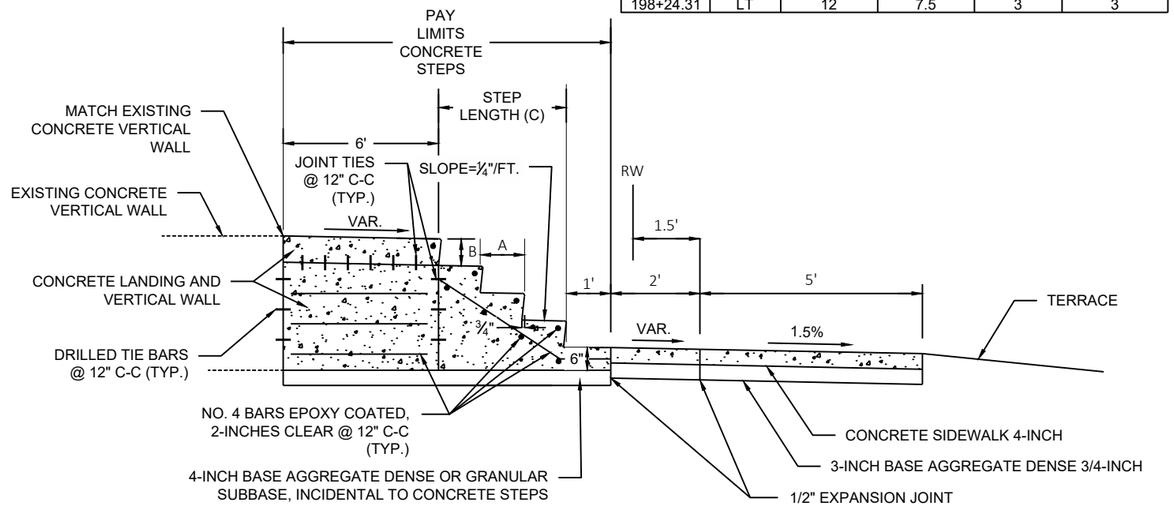


STEEL ALLOY RAILING DETAIL

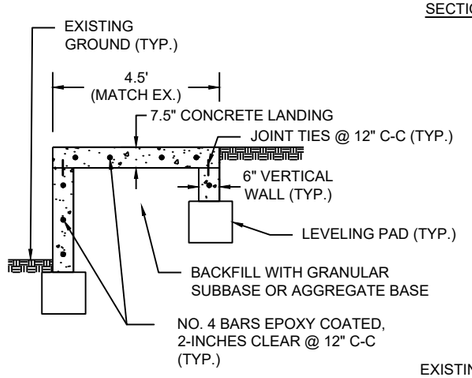
GENERAL NOTES:
1. RAILING TO BE PLACED ON LEFT ASCENDING SIDE OF STEPS ONLY.
2. COMPLIANCE WITH BUILDING CODES IS THE INSTALLER'S RESPONSIBILITY.
3. RAILING MATERIAL TO BE STEEL ALLOY.
4. RAILING POSTS TO BE MOUNTED WITH FLANGE AND MASONRY ANCHORS.
5. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ENGINEER FOR APPROVAL.

RAILING PEDESTRIAN - TYPE A

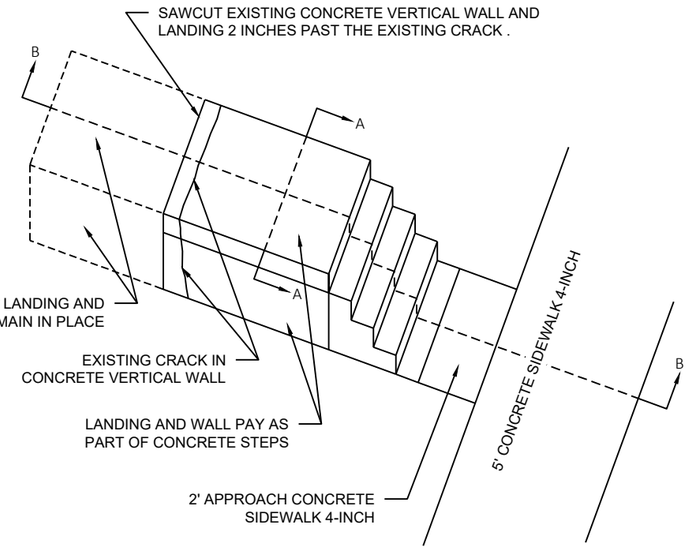
CONCRETE STEPS					
STATION	OFFSET	TREAD LENGTH (A) INCH	RISER HEIGHT (B) INCH	NUMBER OF RISERS	STEP LENGTH (C) FT
198+24.31	LT	12	7.5	3	3



SECTION B-B



SECTION A-A



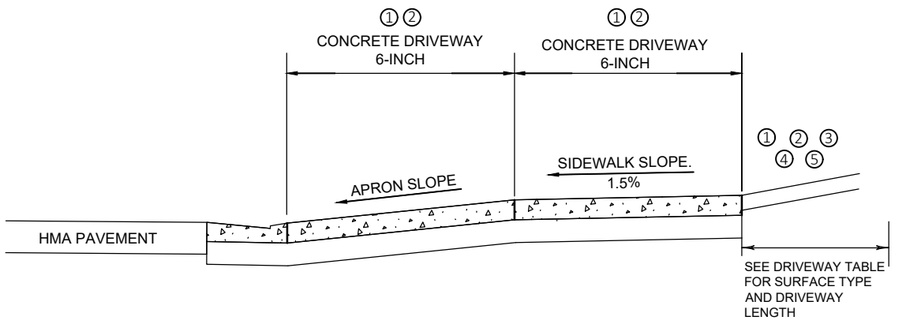
PLAN VIEW

GENERAL NOTES:
1. THE EXACT LOCATION, WIDTHS, AND NUMBER OF STEPS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. RAILING TO BE PLACED ON LEFT ASCENDING SIDE OF STEPS ONLY.
3. MINIMUM WIDTH OF STEPS EQUALS 4.5 FEET. MATCH EXISTING WIDTH OF CONCRETE LANDING.
4. RISERS: 4" MINIMUM, 8" MAXIMUM. All RISERS SHALL BE EQUAL HEIGHT.
5. TREADS: 11" MINIMUM. ALL TREADS SHALL BE EQUAL LENGTH.
6. WALL, LANDING AND STEPS ARE PAID FOR AS CONCRETE STEPS.
7. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ENGINEER FOR APPROVAL.
8. TIE BARS AND JOINT TIES ARE INCIDENTAL TO CONCRETE STEPS.

CONCRETE STEPS WITH LANDING AND CONCRETE VERTICAL WALL DETAIL

DRIVEWAY TABLE

STATION	OFFSET	TYPE	WIDTH	SURFACE	APRON SLOPE	MATCH SLOPE	OFFSET TO MATCH EXISTING DRIVEWAY	LOCATION
165+78.00	RT	PE	12'	CONCRETE	N/A	7.6%	32'	1509 River Street
165+98.00	RT	PE	12'	ASPHALT	N/A	1.6%	32'	1501 River Street
166+49.00	RT	PE	12'	ASPHALT	2.75%	3.60%	33'	1501 River Street
166+49.00	LT	CE	31'	ASPHALT	10.0%	13.3%	48'	1432 River Street (St. Anthony's Church)
166+98.00	RT	PE	16'	ASPHALT	4.00%	3.2%	33'	1441 River Street
167+68.00	RT	CE	24'	ASPHALT	2.75%	1.2%	33'	Church Parking Lot
168+57.00	RT	CE	24'	ASPHALT	2.75%	0.0%	33'	Church Parking Lot
170+28.00	LT	CE	35'	ASPHALT	4.0%	4.0%	35'	1364 River Street
170+37.00	RT	PE	12'	CONCRETE	5.0%	5.3%	35'	1389 River Street
170+51.00	RT	PE	12'	CONCRETE	5.0%	3.9%	35'	1381 River Street
171+18.00	LT	CE	27'	ASPHALT	6.0%	8.5%	35'	1356 River Street
171+38.00	RT	PE	12'	CONCRETE	6.0%	7.2%	35'	1373 River Street
171+98.00	RT	PE	21'	CONCRETE	2.75%	3.9%	35'	1357 River Street
172+16.00	LT	PE	12'	ASPHALT	9.0%	10.1%	35'	1348 River Street
172+51.00	RT	PE	12'	CONCRETE	5.00%	3.4%	35'	1349 River Street
172+99.00	RT	PE	12'	CONCRETE	4.00%	1.8%	35'	1341 River Street
173+22.00	LT	PE	13'	ASPHALT	9.0%	22.8%	45'	1340 River Street
173+52.00	RT	PE	12'	CONCRETE	2.00%	1.9%	35'	1333 River Street
173+72.00	LT	PE	12'	BAD	9.0%	12.8%	45'	1340 River Street
174+56.00	RT	PE	16'	ASPHALT	4.00%	2.5%	40'	1325 River Street
175+21.00	RT	PE	12'	ASPHALT	8.0%	8.3%	35'	1317 River Street
175+26.00	LT	PE	22'	ASPHALT	9.0%	10.3%	37'	1288 River Street
177+97.00	LT	PE	12'	CONCRETE	9.0%	11.4%	35'	1272 River Street
178+57.00	LT	PE	17'	ASPHALT	7.0%	7.4%	36'	1256/1264 River Street
179+12.00	LT	PE	14'	ASPHALT	5.0%	7.6%	46'	1248 River Street
179+36.00	RT	CE	21'	ASPHALT	9.0%	12.1%	43'	Paper Mill Parking Lot
180+07.00	LT	CE	26'	CONCRETE	9.0%	13.3%	46'	1244 River Street
181+56.00	LT	CE	26'	ASPHALT	9.0%	12.5%	46'	1244 River Street
181+64.00	RT	CE	24'	ASPHALT	2.75%	2.3%	36'	Paper Mill Parking Lot
182+83.00	LT	CE	35'	ASPHALT	8.5%	9.1%	44'	1240 River Street
183+89.00	LT	CE	35'	ASPHALT	5.0%	4.0%	45'	1240 River Street
185+15.00	LT	CE	35'	ASPHALT	2.75%	1.9%	44'	1240 River Street
186+06.00	RT	CE	28'	ASPHALT	5.0%	4.0%	40'	1117 Main Street
186+46.00	RT	CE	20'	ASPHALT	5.0%	4.3%	40'	Vacant Lot
187+26.00	LT	PE	12'	CONCRETE	5.0%	4.4%	44'	1088 Main Street
187+43.00	LT	PE	12'	ASPHALT	5.0%	7.1%	44'	1080 Main Street
188+02.00	LT	PE	12'	ASPHALT	4.00%	4.1%	44'	1072 Main Street
188+04.00	RT	CE	21'	ASPHALT	7.0%	3.4%	39'	1081 Main Street
188+64.00	LT	PE	12'	CONCRETE	5.0%	5.7%	44'	1064 Main Street
188+94.00	RT	CE	21'	ASPHALT	6.0%	6.3%	39'	1065 Main Street
189+55.00	RT	CE	19'	ASPHALT	5.0%	4.6%	39'	1065 Main Street
189+74.00	LT	PE	12'	CONCRETE	5.0%	3.3%	44'	1056 Main Street
189+88.00	LT	PE	12'	ASPHALT	5.0%	5.6%	44'	1048 Main Street
190+09.00	RT	CE	24'	ASPHALT	5.0%	2.9%	39'	1057/1065 Main Street
190+87.00	LT	PE	12'	CONCRETE	4.00%	3.7%	44'	1040 Main Street
191+05.00	RT	CE	16'	ASPHALT	7.00%	2.3%	37'	1033/1047 Main Street
191+48.00	LT	PE	12'	CONCRETE	6.0%	6.9%	44'	1032 Main Street
191+87.00	RT	CE	27'	CONCRETE	4.00%	4.2%	39'	1009/1033 Main Street
192+09.00	LT	PE	12'	ASPHALT	5.0%	5.7%	44'	1024 Main Street
192+23.00	LT	PE	12'	ASPHALT	5.0%	4.3%	49'	1016 Main Street
192+32.00	RT	CE	16'	CONCRETE	5.0%	5.9%	39'	1009 Main Street
192+85.00	LT	PE	12'	CONCRETE	7.0%	8.1%	49'	1008 Main Street
193+24.00	RT	CE	16'	CONCRETE	8.6%	8.0%	34'	1009 Main Street
193+50.00	LT	PE	15'	ASPHALT	5.0%	6.2%	39'	1000 Main Street
194+43.00	RT	CE	16'	ASPHALT	5.0%	3.6%	36'	989/1001 Main Street
195+05.00	LT	CE	24'	BAD	9.0%	8.7%	40'	Vacant Lot
195+29.00	RT	CE	17'	CONCRETE	5.0%	8.6%	36'	973 Main Street
196+12.00	LT	CE	35'	ASPHALT	9.0%	8.1%	40'	980 Main Street
196+46.00	RT	CE	13'	ASPHALT	4.00%	4.3%	37'	965 Main Street
196+95.00	LT	CE	12'	CONCRETE	9.0%	10.1%	34'	964 Main Street
197+51.00	LT	PE	16'	CONCRETE	9.0%	6.8%	40'	956 Main Street
197+62.00	RT	PE	12'	CONCRETE	5.7%	4.5%	45'	955 Main Street
197+78.00	RT	PE	12'	CONCRETE	7.4%	5.3%	45'	949 Main Street
198+17.00	LT	PE	12'	BAD	9.0%	4.7%	40'	944 Main Street
198+87.00	RT	PE	12'	CONCRETE	5.00%	0.9%	45'	941 Main Street
198+95.00	LT	PE	12'	CONCRETE	9.0%	5.6%	40'	940 Main Street
199+03.00	RT	PE	12'	CONCRETE	5.00%	0.4%	45'	933 Main Street
199+13.00	LT	PE	12'	ASPHALT	9.0%	4.1%	40'	932 Main Street
199+70.00	LT	PE	12'	ASPHALT	9.0%	6.5%	40'	924 Main Street
200+06.00	RT	PE	13'	CONCRETE	5.00%	2.3%	37'	925 Main Street
200+34.00	LT	PE	12'	ASPHALT	9.0%	11.6%	40'	916 Main Street
200+71.00	RT	PE	18'	CONCRETE	5.0%	4.9%	37'	909/917 Main Street
201+35.00	LT	PE	18'	ASPHALT	9.0%	8.3%	34'	900/908 Main Street
201+92.00	LT	PE	12'	CONCRETE	9.0%	10.2%	34'	848 Main Street
202+87.00	LT	PE	20'	ASPHALT	9.0%	6.9%	46'	840 Main Street
203+37.00	RT	CE	35'	ASPHALT	5.0%	4.4%	45'	881 Main Street
203+45.00	LT	PE	16'	CONCRETE	4.00%	4.0%	50'	832 Main Street
204+07.00	RT	PE	12'	ASPHALT	4.0%	5.9%	50'	857 Main Street
205+64.00	RT	PE	12'	ASPHALT	5.0%	7.2%	45'	841 Main Street
206+56.00	RT	PE	13'	CONCRETE	2.75%	2.7%	35'	833 Main Street
208+57.00	LT	PE	23'	BAD	-	0.46%	30'	708 Main Street
8+78.00 V	RT	PE	12'	CONCRETE	N/A	15.4%	25'	816 Vine Street
9+27.00 V	RT	PE	12'	ASPHALT	1.5%	0.3%	32'	824 Vine Street



① RESIDENTIAL CONCRETE DRIVEWAY
CONCRETE DRIVEWAY 6-INCH OVER
6" BASE AGGREGATE DENSE 1 1/4-INCH

② COMMERCIAL CONCRETE DRIVEWAY
CONCRETE DRIVEWAY 8-INCH OVER
6" BASE AGGREGATE DENSE 1 1/4-INCH

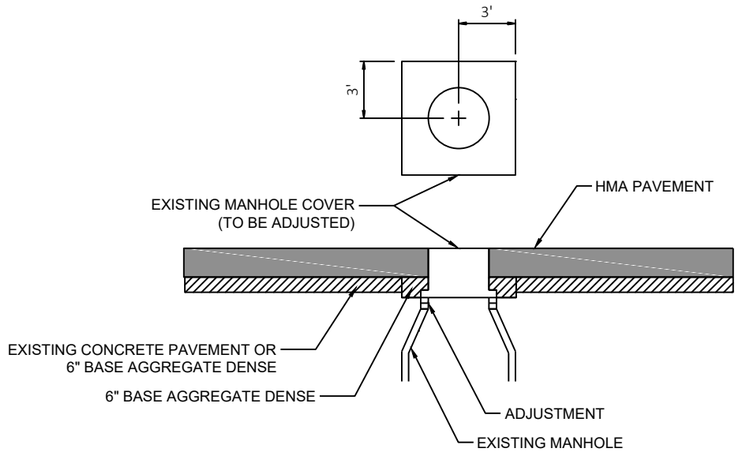
③ COMMERCIAL ASPHALT DRIVEWAY
4" ASPHALTIC SURFACE DRIVEWAY OVER
6" BASE AGGREGATE DENSE 1 1/4-INCH

④ RESIDENTIAL ASPHALT DRIVEWAY
3" ASPHALTIC SURFACE DRIVEWAY OVER
6" BASE AGGREGATE DENSE 1 1/4-INCH

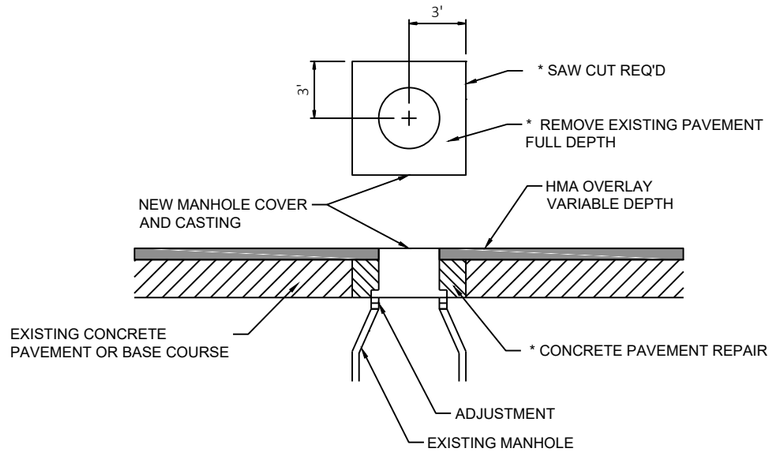
⑤ GRAVEL DRIVEWAY
6" BASE AGGREGATE DENSE 1 1/4-INCH

TYPICAL DRIVEWAY SECTION

NOTE: SEE SDD 8D18 & SDD 8D19 FOR MORE INFORMATION.
USE THIS DETAIL FOR DRIVEWAY TYPE PAVEMENT STRUCTURE.

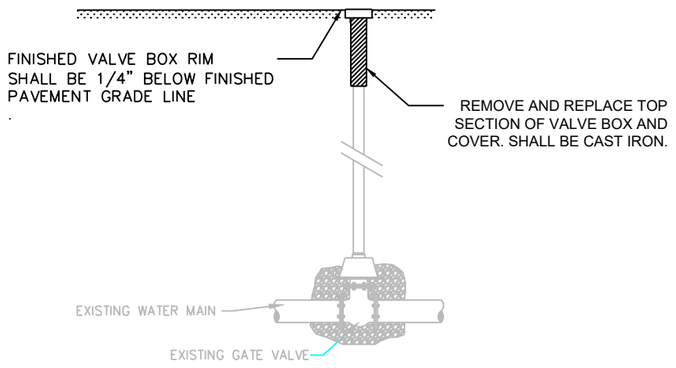


ADJUSTING SANITARY MANHOLE COVERS

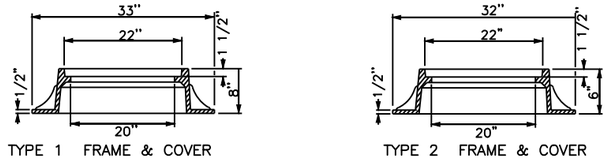


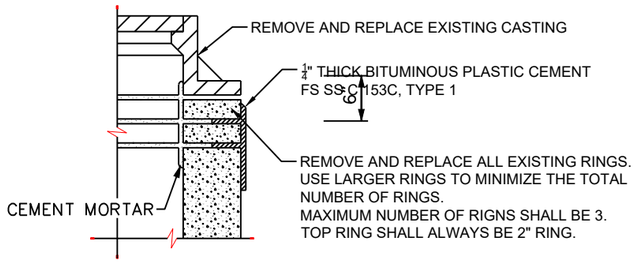
* INCIDENTAL TO REMOVE AND REPLACE SANITARY MANHOLE CASTING , ADJUSTING RINGS AND COVER

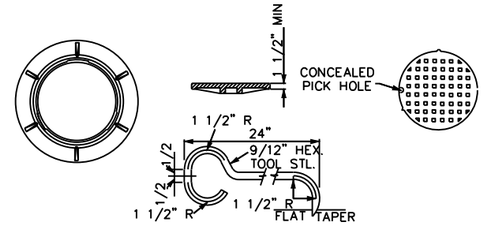
SANITARY MANHOLE COVER



REPLACE UPPER SECTION WATER VALVE BOX







COVER REMOVING TOOL
FOR CONCEALED PICKHOLE

NOTES:

ALL COVERS SHALL BE SELF-SEALING WITH GASKET.

FRAME AND COVER SHALL BE MACHINED AND FITTED SO THAT ROCKING AND CHATTERING WILL BE ELIMINATED.

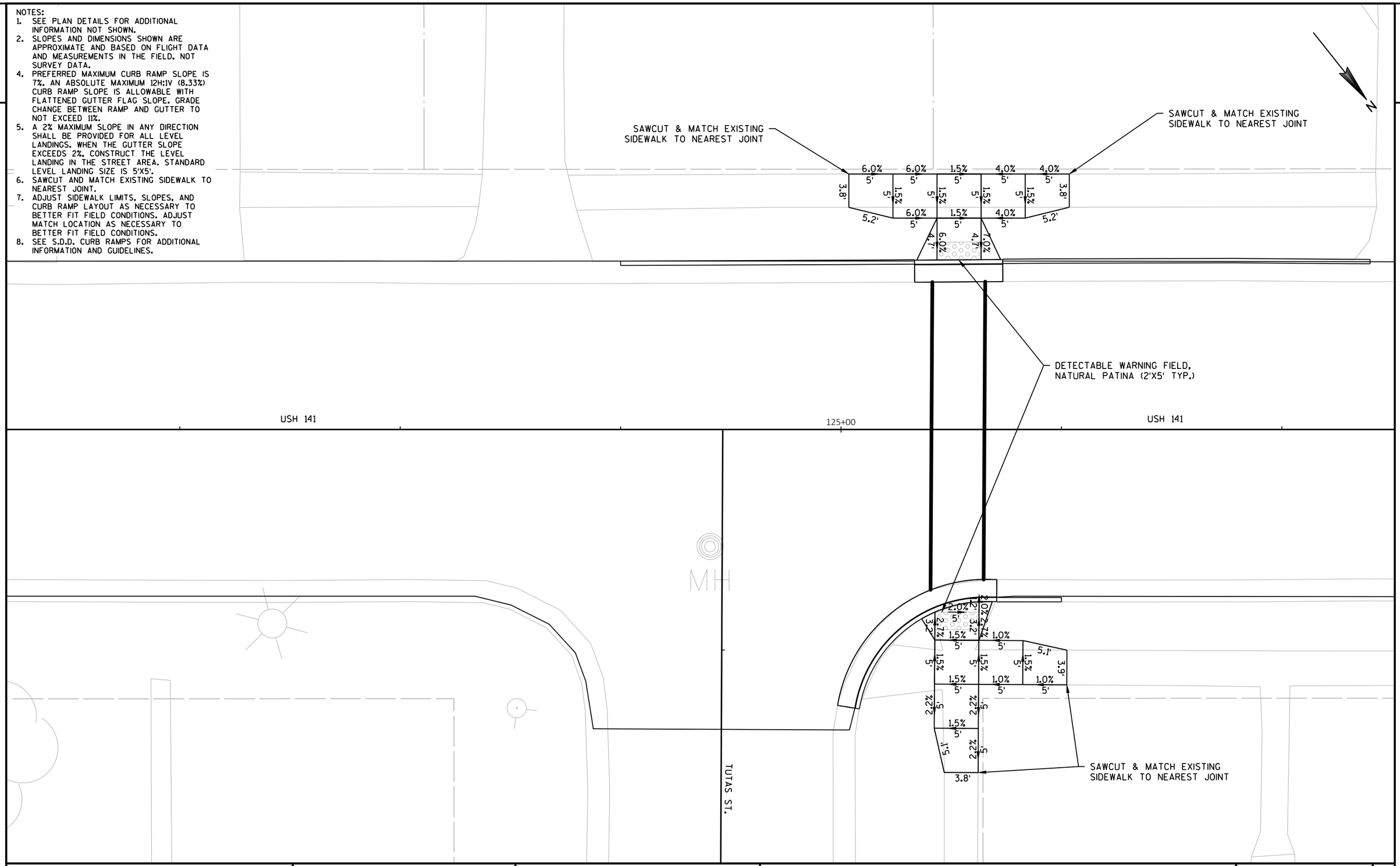
WHEN MANHOLE ADJUSTMENT IS LIMITED, PROVIDE TYPE 2 FRAME.

FRAME WEIGHT INCLUDES COVER.

FURNISH ONE COVER REMOVING TOOL FOR CONCEALED PICKHOLE COVERS WITH EACH ORDER OF 20 COVERS OR FRACTION THERE OF.

REMOVE AND REPLACE SANITARY MANHOLE CASTING, ADJUSTING RINGS AND COVER

NOTES:
1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. SLOPES AND DIMENSIONS SHOWN ARE APPROXIMATE AND BASED ON FLIGHT DATA AND MEASUREMENTS IN THE FIELD, NOT SURVEY DATA.
4. PREFERRED MAXIMUM CURB RAMP SLOPE IS 7%. AN ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE. GRADE CHANGE BETWEEN RAMP AND GUTTER TO NOT EXCEED 11%.
5. A 2% MAXIMUM SLOPE IN ANY DIRECTION SHALL BE PROVIDED FOR ALL LEVEL LANDINGS. WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. STANDARD LEVEL LANDING SIZE IS 5'X5'.
6. SAWCUT AND MATCH EXISTING SIDEWALK TO NEAREST JOINT.
7. ADJUST SIDEWALK LIMITS, SLOPES, AND CURB RAMP LAYOUT AS NECESSARY TO BETTER FIT FIELD CONDITIONS. ADJUST MATCH LOCATION AS NECESSARY TO BETTER FIT FIELD CONDITIONS.
8. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION AND GUIDELINES.



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - TUTAS STREET	SHEET 19	E

NOTES:
1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
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8. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION AND GUIDELINES.

GOUDREAU ST.

SAWCUT & MATCH EXISTING SIDEWALK TO NEAREST JOINT

SAWCUT & MATCH EXISTING SIDEWALK TO NEAREST JOINT

USH 141

128+00

USH 141

DETECTABLE WARNING FIELD, NATURAL PATINA (2'X5' TYP.)

SAWCUT & MATCH EXISTING SIDEWALK TO NEAREST JOINT

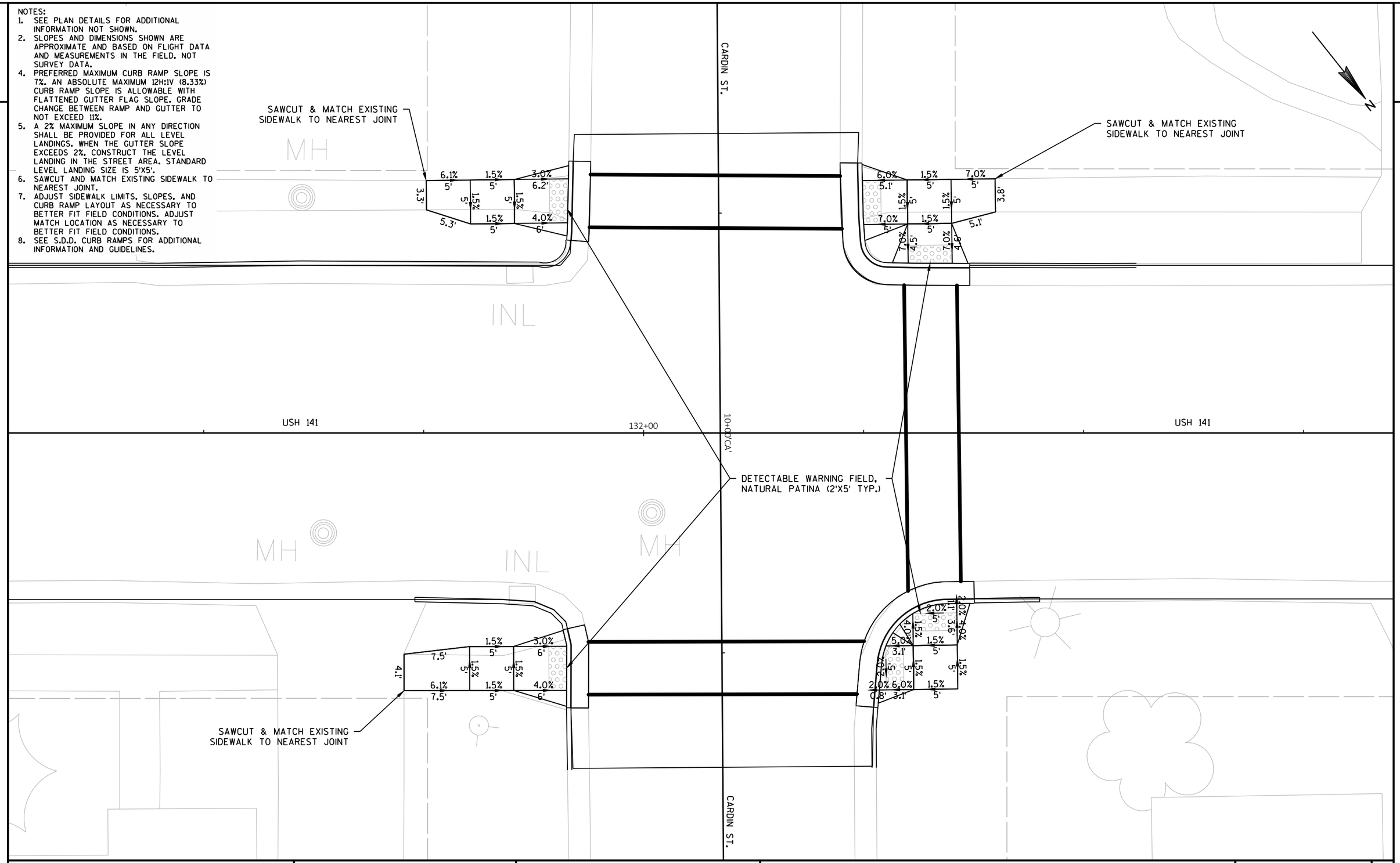
SAWCUT & MATCH EXISTING SIDEWALK TO NEAREST JOINT

GOUDREAU ST.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - GOUDREAU STREET	SHEET 20	E

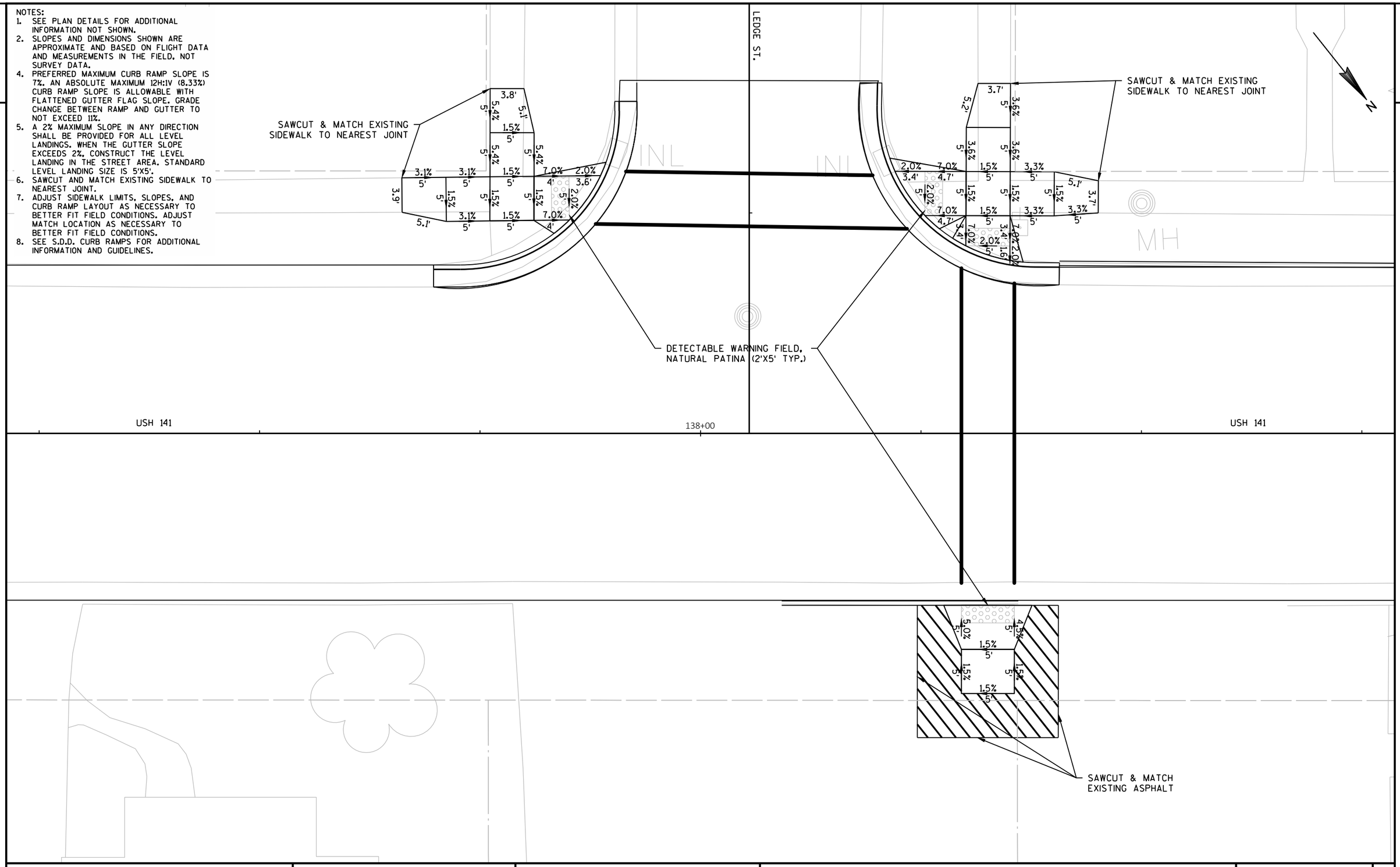
FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021005_CD TO 0210XX_CD.DWG
LAYOUT NAME - 021002_cd
PLOT DATE : 2/22/2019 4:15 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

NOTES:
1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. SLOPES AND DIMENSIONS SHOWN ARE APPROXIMATE AND BASED ON FLIGHT DATA AND MEASUREMENTS IN THE FIELD. NOT SURVEY DATA.
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8. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION AND GUIDELINES.



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - CARDIN STREET	SHEET 21	E

NOTES:
1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. SLOPES AND DIMENSIONS SHOWN ARE APPROXIMATE AND BASED ON FLIGHT DATA AND MEASUREMENTS IN THE FIELD. NOT SURVEY DATA.
4. PREFERRED MAXIMUM CURB RAMP SLOPE IS 7%. AN ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE. GRADE CHANGE BETWEEN RAMP AND GUTTER TO NOT EXCEED 11%.
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8. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION AND GUIDELINES.



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - LEDGE STREET	SHEET 22	E

NOTES:
1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. SLOPES AND DIMENSIONS SHOWN ARE APPROXIMATE AND BASED ON FLIGHT DATA AND MEASUREMENTS IN THE FIELD. NOT SURVEY DATA.
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8. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION AND GUIDELINES.

BIRCH ST.

N

SAWCUT & MATCH EXISTING SIDEWALK TO NEAREST JOINT

SAWCUT & MATCH EXISTING SIDEWALK TO NEAREST JOINT

R=21'

R=22'

DETECTABLE WARNING FIELD, RADIAL NATURAL PATINA (TYP.)

USH 141

145+00

USH 141

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - BIRCH STREET	SHEET 23	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021005_CD TO 0210XX_CD.DWG
LAYOUT NAME - 021005_cd

PLOT DATE : 2/22/2019 4:16 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

NOTES:
1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. SLOPES AND DIMENSIONS SHOWN ARE APPROXIMATE AND BASED ON FLIGHT DATA AND MEASUREMENTS IN THE FIELD, NOT SURVEY DATA.
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SAWCUT & MATCH EXISTING SIDEWALK TO NEAREST JOINT

DETECTABLE WARNING FIELD, NATURAL PATINA (2'X5' TYP.)

SAWCUT & MATCH EXISTING SIDEWALK TO NEAREST JOINT

MAPLE ST.

USH 141

151+00

152+00

N

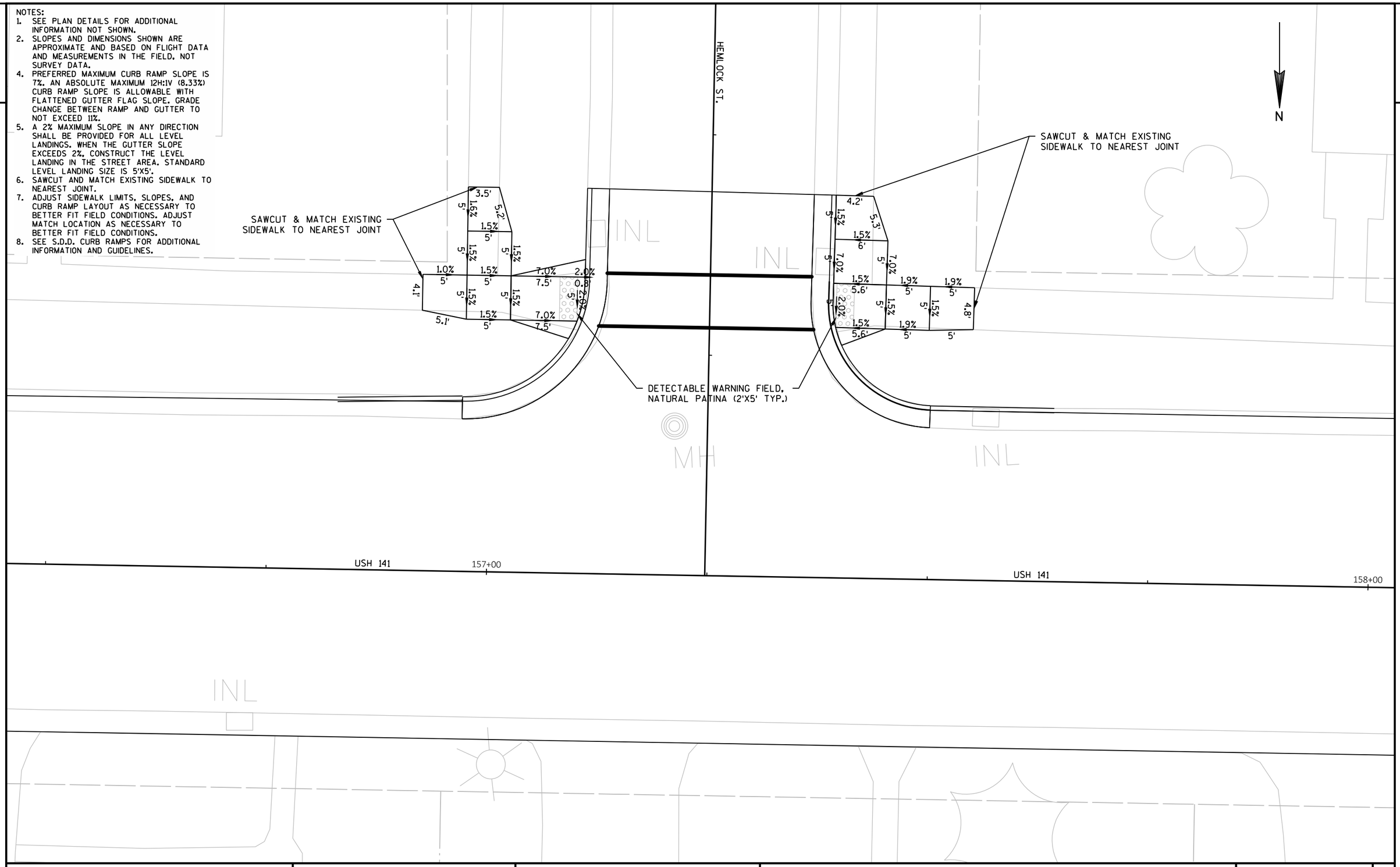
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FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021005_CD TO 0210XX_CD.DWG
LAYOUT NAME - 021006_cd

PLOT DATE : 2/22/2019 4:17 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

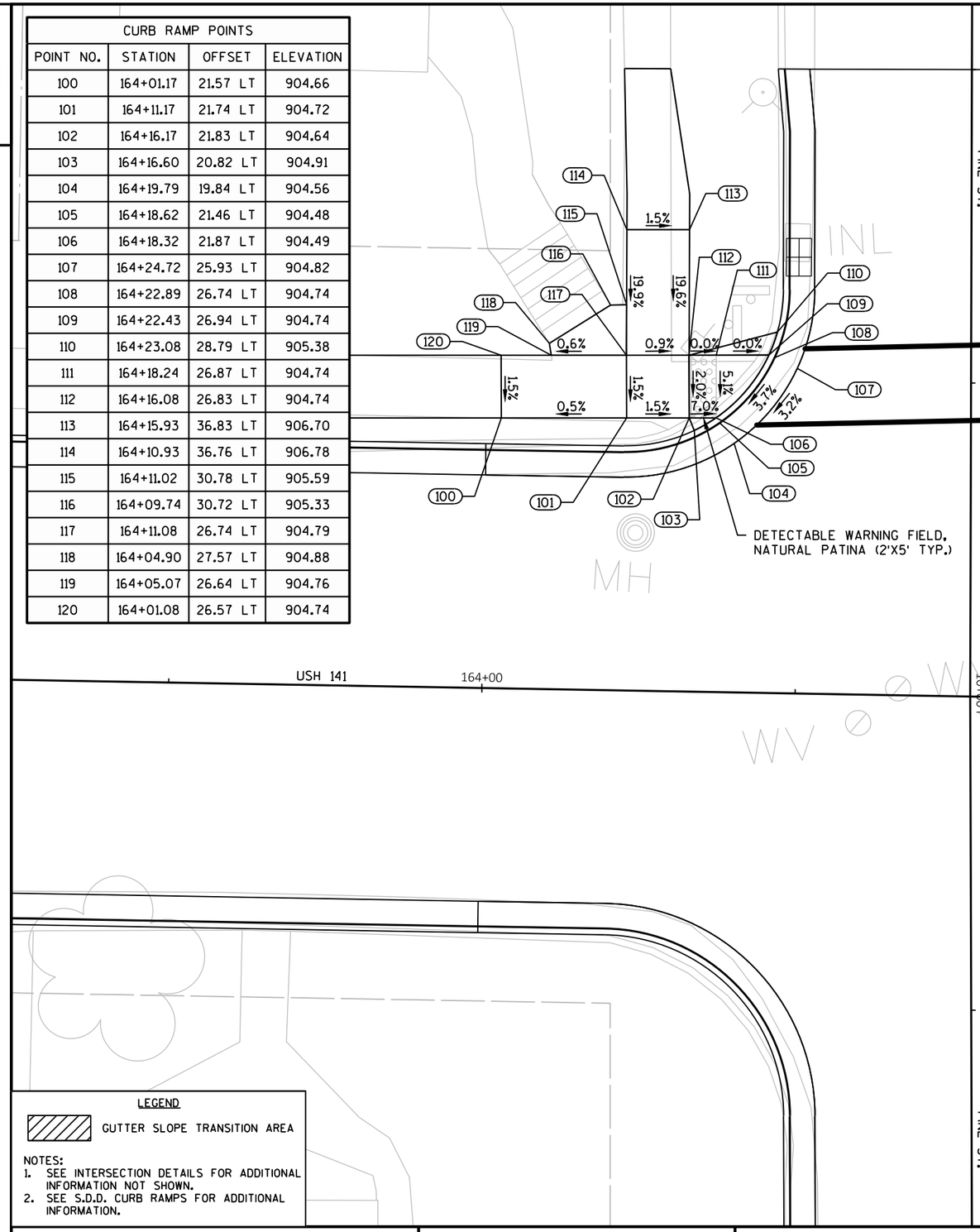
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7. ADJUST SIDEWALK LIMITS, SLOPES, AND CURB RAMP LAYOUT AS NECESSARY TO BETTER FIT FIELD CONDITIONS. ADJUST MATCH LOCATION AS NECESSARY TO BETTER FIT FIELD CONDITIONS.
8. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION AND GUIDELINES.

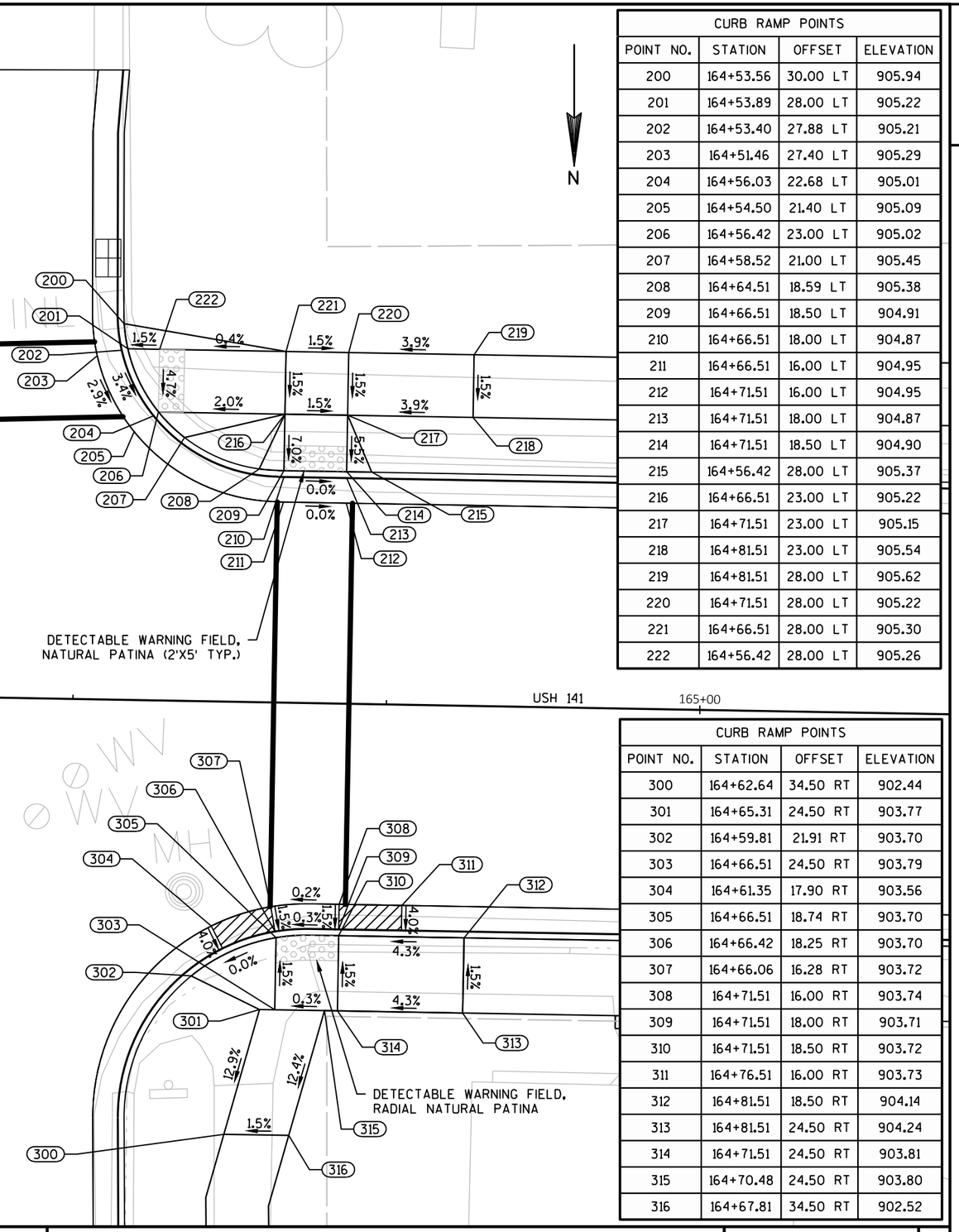


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - HEMLOCK STREET	SHEET 25	E

2

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
100	164+01.17	21.57 LT	904.66
101	164+11.17	21.74 LT	904.72
102	164+16.17	21.83 LT	904.64
103	164+16.60	20.82 LT	904.91
104	164+19.79	19.84 LT	904.56
105	164+18.62	21.46 LT	904.48
106	164+18.32	21.87 LT	904.49
107	164+24.72	25.93 LT	904.82
108	164+22.89	26.74 LT	904.74
109	164+22.43	26.94 LT	904.74
110	164+23.08	28.79 LT	905.38
111	164+18.24	26.87 LT	904.74
112	164+16.08	26.83 LT	904.74
113	164+15.93	36.83 LT	906.70
114	164+10.93	36.76 LT	906.78
115	164+11.02	30.78 LT	905.59
116	164+09.74	30.72 LT	905.33
117	164+11.08	26.74 LT	904.79
118	164+04.90	27.57 LT	904.88
119	164+05.07	26.64 LT	904.76
120	164+01.08	26.57 LT	904.74





CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
200	164+53.56	30.00 LT	905.94
201	164+53.89	28.00 LT	905.22
202	164+53.40	27.88 LT	905.21
203	164+51.46	27.40 LT	905.29
204	164+56.03	22.68 LT	905.01
205	164+54.50	21.40 LT	905.09
206	164+56.42	23.00 LT	905.02
207	164+58.52	21.00 LT	905.45
208	164+64.51	18.59 LT	905.38
209	164+66.51	18.50 LT	904.91
210	164+66.51	18.00 LT	904.87
211	164+66.51	16.00 LT	904.95
212	164+71.51	16.00 LT	904.95
213	164+71.51	18.00 LT	904.87
214	164+71.51	18.50 LT	904.90
215	164+56.42	28.00 LT	905.37
216	164+66.51	23.00 LT	905.22
217	164+71.51	23.00 LT	905.15
218	164+81.51	23.00 LT	905.54
219	164+81.51	28.00 LT	905.62
220	164+71.51	28.00 LT	905.22
221	164+66.51	28.00 LT	905.30
222	164+56.42	28.00 LT	905.26

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
300	164+62.64	34.50 RT	902.44
301	164+65.31	24.50 RT	903.77
302	164+59.81	21.91 RT	903.70
303	164+66.51	24.50 RT	903.79
304	164+61.35	17.90 RT	903.56
305	164+66.51	18.74 RT	903.70
306	164+66.42	18.25 RT	903.70
307	164+66.06	16.28 RT	903.72
308	164+71.51	16.00 RT	903.74
309	164+71.51	18.00 RT	903.71
310	164+71.51	18.50 RT	903.72
311	164+76.51	16.00 RT	903.73
312	164+81.51	18.50 RT	904.14
313	164+81.51	24.50 RT	904.24
314	164+71.51	24.50 RT	903.81
315	164+70.48	24.50 RT	903.80
316	164+67.81	34.50 RT	902.52

LEGEND

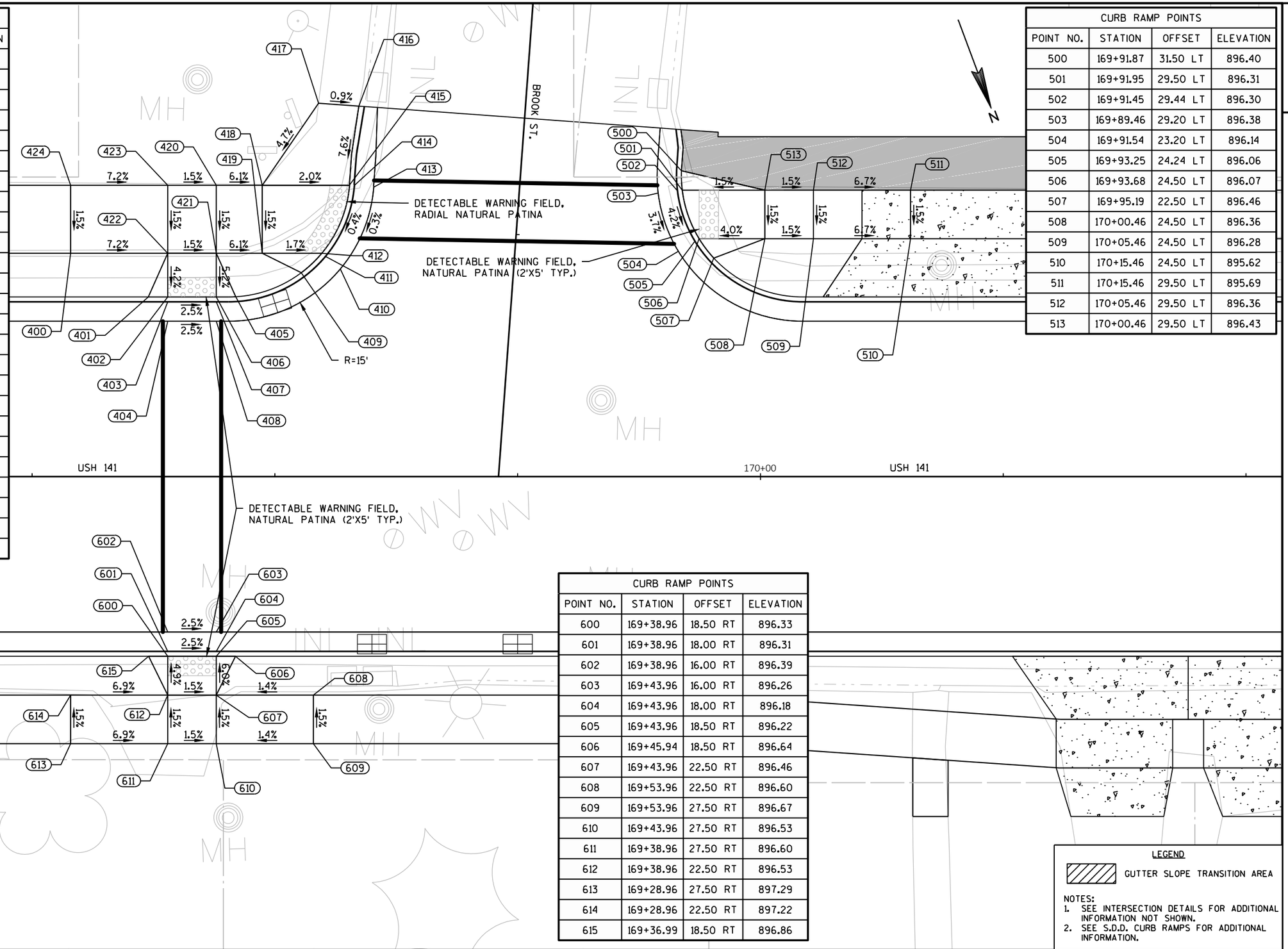
GUTTER SLOPE TRANSITION AREA

NOTES:
1. SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - PINE STREET	SHEET 26	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021010_CD TO 021024_CD.DWG
LAYOUT NAME - 021017_cd
PLOT DATE : 4/5/2019 11:19 AM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
400	169+28.96	23.00 LT	898.20
401	169+36.96	18.50 LT	897.81
402	169+38.96	18.50 LT	897.29
403	169+38.96	18.00 LT	897.27
404	169+38.96	16.00 LT	897.35
405	169+45.96	18.52 LT	897.58
406	169+43.96	18.50 LT	897.17
407	169+43.96	18.00 LT	897.14
408	169+43.96	16.00 LT	897.22
409	169+52.70	21.00 LT	897.49
410	169+56.73	21.40 LT	897.08
411	169+55.19	22.68 LT	897.00
412	169+54.81	23.00 LT	897.01
413	169+60.15	29.80 LT	897.11
414	169+58.16	29.96 LT	897.03
415	169+57.66	30.00 LT	897.04
416	169+58.64	38.14 LT	897.66
417	169+54.49	38.44 LT	897.70
418	169+48.69	30.00 LT	897.22
419	169+48.69	23.00 LT	897.12
420	169+43.96	30.00 LT	897.51
421	169+43.96	23.00 LT	897.40
422	169+38.96	23.00 LT	897.48
423	169+38.96	30.00 LT	897.58
424	169+28.96	30.00 LT	898.30



CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
500	169+91.87	31.50 LT	896.40
501	169+91.95	29.50 LT	896.31
502	169+91.45	29.44 LT	896.30
503	169+89.46	29.20 LT	896.38
504	169+91.54	23.20 LT	896.14
505	169+93.25	24.24 LT	896.06
506	169+93.68	24.50 LT	896.07
507	169+95.19	22.50 LT	896.46
508	170+00.46	24.50 LT	896.36
509	170+05.46	24.50 LT	896.28
510	170+15.46	24.50 LT	895.62
511	170+15.46	29.50 LT	895.69
512	170+05.46	29.50 LT	896.36
513	170+00.46	29.50 LT	896.43

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
600	169+38.96	18.50 RT	896.33
601	169+38.96	18.00 RT	896.31
602	169+38.96	16.00 RT	896.39
603	169+43.96	16.00 RT	896.26
604	169+43.96	18.00 RT	896.18
605	169+43.96	18.50 RT	896.22
606	169+45.94	18.50 RT	896.64
607	169+43.96	22.50 RT	896.46
608	169+53.96	22.50 RT	896.60
609	169+53.96	27.50 RT	896.67
610	169+43.96	27.50 RT	896.53
611	169+38.96	27.50 RT	896.60
612	169+38.96	22.50 RT	896.53
613	169+28.96	27.50 RT	897.29
614	169+28.96	22.50 RT	897.22
615	169+36.99	18.50 RT	896.86

LEGEND

GUTTER SLOPE TRANSITION AREA

NOTES:
1. SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION.

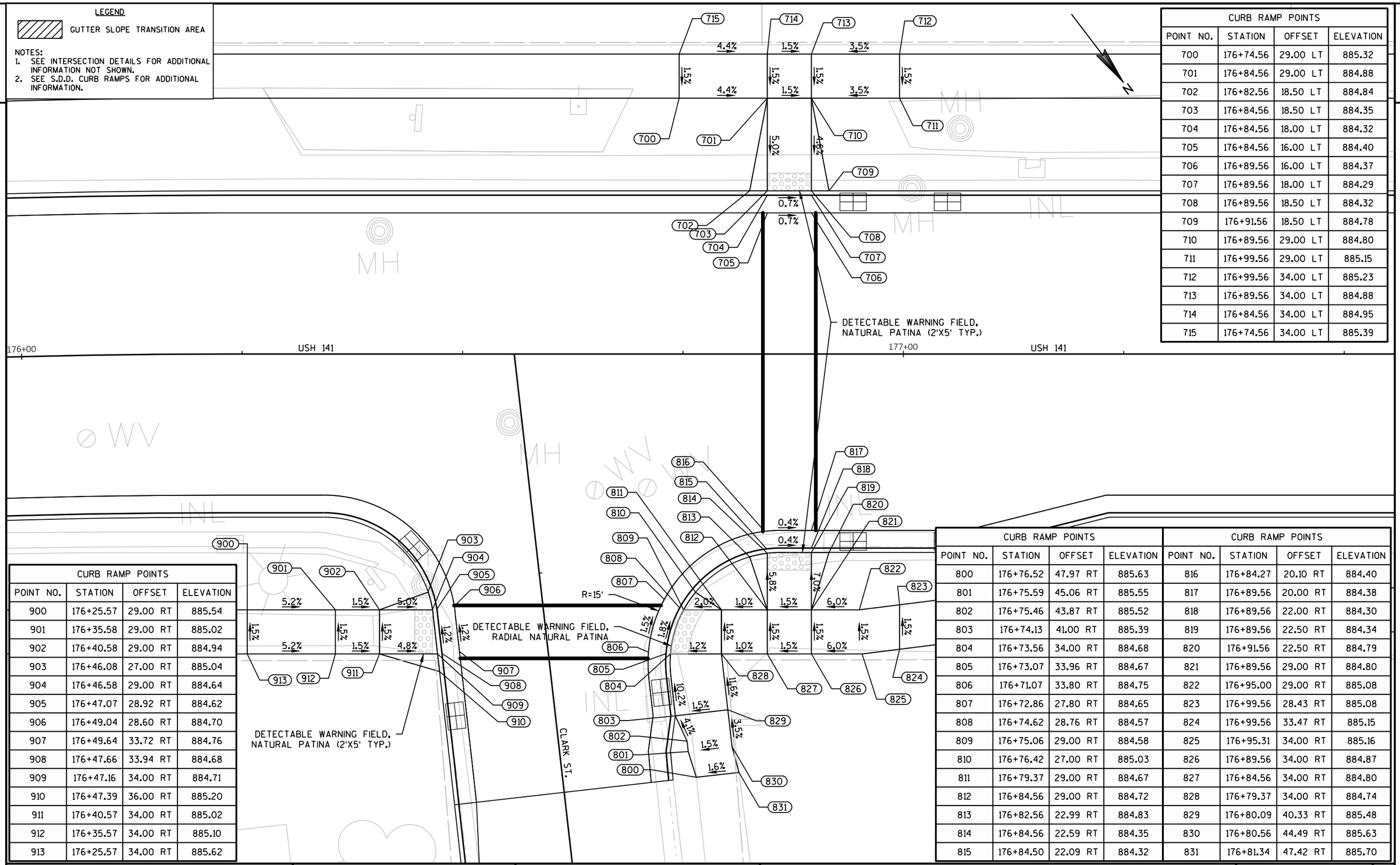
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - BROOK STREET	SHEET 27	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021005_CD TO 0210XX_CD.DWG
LAYOUT NAME - 021009_cd
PLOT DATE : 2/22/2019 4:57 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

LEGEND

GUTTER SLOPE TRANSITION AREA

NOTES:
1. SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION.



CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
700	176+74.56	29.00 LT	885.32
701	176+84.56	29.00 LT	884.88
702	176+82.56	18.50 LT	884.84
703	176+84.56	18.50 LT	884.35
704	176+84.56	18.00 LT	884.32
705	176+84.56	16.00 LT	884.40
706	176+89.56	16.00 LT	884.37
707	176+89.56	18.00 LT	884.29
708	176+89.56	18.50 LT	884.32
709	176+91.56	18.50 LT	884.78
710	176+89.56	29.00 LT	884.80
711	176+99.56	29.00 LT	885.15
712	176+99.56	34.00 LT	885.23
713	176+89.56	34.00 LT	884.88
714	176+84.56	34.00 LT	884.95
715	176+74.56	34.00 LT	885.39

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
900	176+25.57	29.00 RT	885.54
901	176+35.58	29.00 RT	885.02
902	176+40.58	29.00 RT	884.94
903	176+46.08	27.00 RT	885.04
904	176+46.58	29.00 RT	884.64
905	176+47.07	28.92 RT	884.62
906	176+49.04	28.60 RT	884.70
907	176+49.64	33.72 RT	884.76
908	176+47.66	33.94 RT	884.68
909	176+47.16	34.00 RT	884.71
910	176+47.39	36.00 RT	885.20
911	176+40.57	34.00 RT	885.02
912	176+35.57	34.00 RT	885.10
913	176+25.57	34.00 RT	885.62

CURB RAMP POINTS				CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION	POINT NO.	STATION	OFFSET	ELEVATION
800	176+76.52	47.97 RT	885.63	816	176+84.27	20.10 RT	884.40
801	176+75.59	45.06 RT	885.55	817	176+89.56	20.00 RT	884.38
802	176+75.46	43.87 RT	885.52	818	176+89.56	22.00 RT	884.30
803	176+74.13	41.00 RT	885.39	819	176+89.56	22.50 RT	884.34
804	176+73.56	34.00 RT	884.68	820	176+91.56	22.50 RT	884.79
805	176+73.07	33.96 RT	884.67	821	176+89.56	29.00 RT	884.80
806	176+71.07	33.80 RT	884.75	822	176+95.00	29.00 RT	885.08
807	176+72.86	27.80 RT	884.65	823	176+99.56	28.43 RT	885.08
808	176+74.62	28.76 RT	884.57	824	176+99.56	33.47 RT	885.15
809	176+75.06	29.00 RT	884.58	825	176+95.31	34.00 RT	885.16
810	176+76.42	27.00 RT	885.03	826	176+89.56	34.00 RT	884.87
811	176+79.37	29.00 RT	884.67	827	176+84.56	34.00 RT	884.80
812	176+84.56	29.00 RT	884.72	828	176+79.37	34.00 RT	884.74
813	176+82.56	22.99 RT	884.83	829	176+80.09	40.33 RT	885.48
814	176+84.56	22.59 RT	884.35	830	176+80.56	44.49 RT	885.63
815	176+84.50	22.09 RT	884.32	831	176+81.34	47.42 RT	885.70

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - CLARK STREET	SHEET 28	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021005_CD TO 0210XX_CD.DWG
LAYOUT NAME - 021010_cd
PLOT DATE : 2/22/2019 4:57 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
1000	183+08.16	29.00 LT	889.99
1001	183+18.38	29.00 LT	889.78
1002	183+16.35	18.50 LT	889.58
1003	183+18.38	18.50 LT	889.14
1004	183+18.38	18.00 LT	889.12
1005	183+18.38	16.00 LT	889.20
1006	183+23.47	16.00 LT	889.27
1007	183+23.47	18.00 LT	889.19
1008	183+23.47	18.50 LT	889.22
1009	183+25.49	18.50 LT	889.72
1010	183+23.47	29.00 LT	889.85
1011	183+33.68	29.00 LT	890.26
1012	183+33.68	34.00 LT	890.34
1013	183+23.47	34.00 LT	889.92
1014	183+18.38	34.00 LT	889.85
1015	183+08.16	34.00 LT	890.06

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
1100	184+09.42	29.00 LT	890.90
1101	184+19.63	29.00 LT	891.28
1102	184+17.61	18.50 LT	891.09
1103	184+19.63	18.50 LT	890.65
1104	184+19.63	18.00 LT	890.62
1105	184+19.63	16.00 LT	890.70
1106	184+24.73	16.00 LT	890.77
1107	184+24.73	18.00 LT	890.69
1108	184+24.73	18.50 LT	890.72
1109	184+26.75	18.50 LT	891.22
1110	184+24.73	29.00 LT	891.35
1111	184+34.94	29.00 LT	891.76
1112	184+34.94	34.00 LT	891.84
1113	184+24.73	34.00 LT	891.43
1114	184+19.63	34.00 LT	891.35
1115	184+09.42	34.00 LT	890.98

2

2

N

1015 1014 1013 1012

2.1% 1.5% 4.1%

1000 1001 1010 1011

6.0%

1009

1002 1003 1004 1005 1008 1007 1006

DETECTABLE WARNING FIELD, NATURAL PATINA (2'X5' TYP.)

183+00 USH 141

1115 1114 1113 1112

3.8% 1.5% 4.1%

1100 1101 1110 1111

1109

1102 1103 1104 1105 1108 1107 1106

DETECTABLE WARNING FIELD, NATURAL PATINA (2'X5' TYP.)

184+00 USH 141

LEGEND

GUTTER SLOPE TRANSITION AREA

NOTES:
1. SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION.

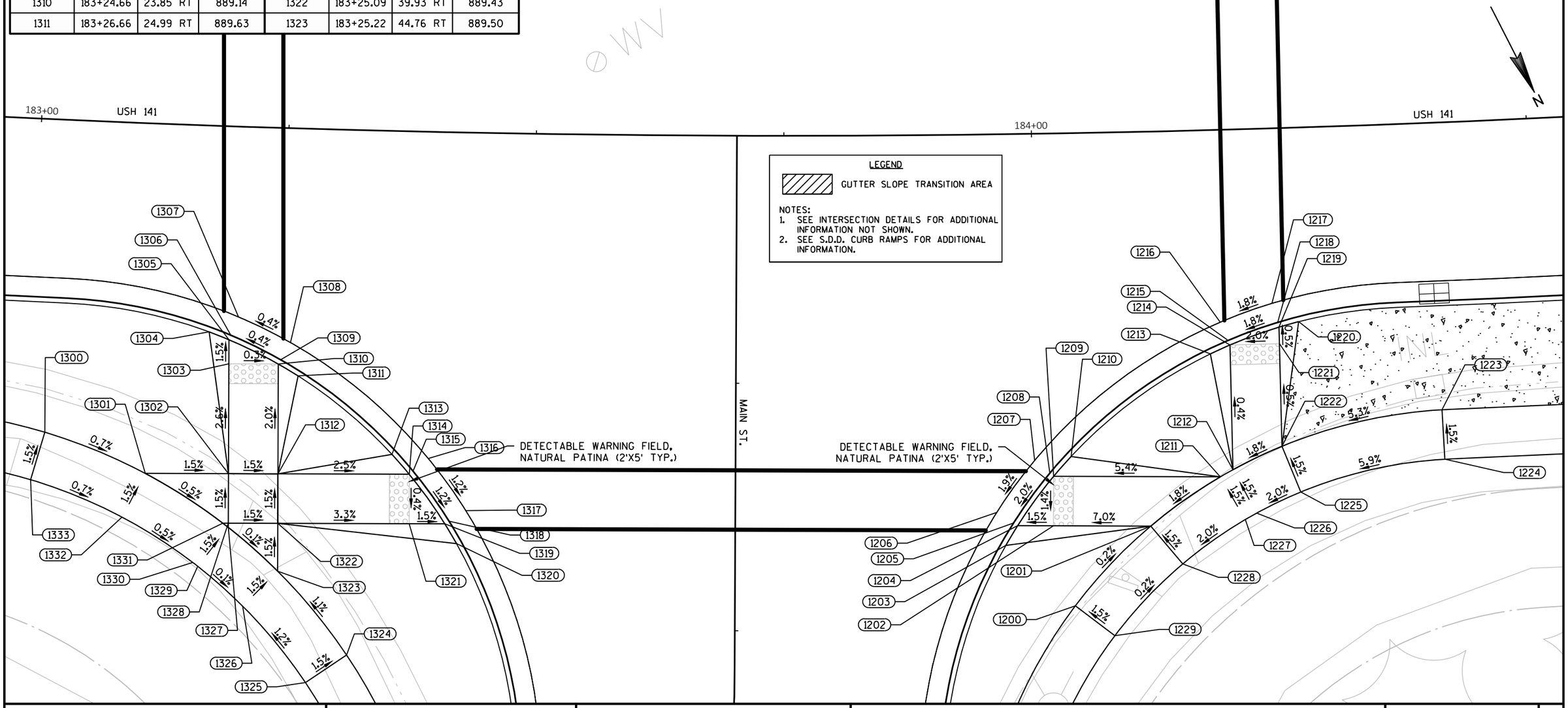
MAIN ST.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - MAIN STREET	SHEET 29	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021005_CD TO 0210XX_CD.DWG
LAYOUT NAME - 021011_cd
PLOT DATE : 2/22/2019 4:58 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

CURB RAMP POINTS				CURB RAMP POINTS				CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION	POINT NO.	STATION	OFFSET	ELEVATION	POINT NO.	STATION	OFFSET	ELEVATION
1300	183+01.74	31.63 RT	889.63	1312	183+24.96	34.93 RT	889.36	1324	183+32.21	53.02 RT	889.63
1301	183+11.84	35.35 RT	889.56	1313	183+36.18	32.65 RT	889.54	1325	183+28.27	55.92 RT	889.70
1302	183+20.07	35.07 RT	889.43	1314	183+37.94	34.62 RT	889.02	1326	183+21.90	48.40 RT	889.58
1303	183+19.73	23.99 RT	889.15	1315	183+38.31	34.29 RT	889.01	1327	183+20.23	40.50 RT	889.51
1304	183+17.66	20.83 RT	889.59	1316	183+39.79	32.99 RT	889.09	1328	183+20.22	40.07 RT	889.51
1305	183+19.66	21.55 RT	889.11	1317	183+43.61	38.18 RT	889.02	1329	183+17.35	44.54 RT	889.59
1306	183+19.84	21.08 RT	889.10	1318	183+41.97	39.27 RT	888.94	1330	183+16.85	44.16 RT	889.59
1307	183+20.54	19.22 RT	889.18	1319	183+41.56	39.55 RT	888.94	1331	183+19.68	40.09 RT	889.52
1308	183+25.81	21.64 RT	889.21	1320	183+42.76	41.53 RT	889.41	1332	183+09.73	39.86 RT	889.63
1309	183+24.89	23.41 RT	889.13	1321	183+38.03	39.62 RT	889.00	1333	183+00.55	36.48 RT	889.71
1310	183+24.66	23.85 RT	889.14	1322	183+25.09	39.93 RT	889.43				
1311	183+26.66	24.99 RT	889.63	1323	183+25.22	44.76 RT	889.50				

CURB RAMP POINTS				CURB RAMP POINTS				CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION	POINT NO.	STATION	OFFSET	ELEVATION	POINT NO.	STATION	OFFSET	ELEVATION
1200	184+03.60	47.74 RT	890.44	1210	184+03.43	32.65 RT	890.35	1220	184+26.39	19.59 RT	891.18
1201	184+11.17	39.84 RT	890.42	1211	184+18.16	35.03 RT	890.58	1221	184+24.40	21.77 RT	890.65
1202	184+01.58	39.62 RT	889.73	1212	184+19.42	34.34 RT	890.60	1222	184+24.33	32.13 RT	890.70
1203	183+96.85	41.53 RT	890.12	1213	184+17.49	22.59 RT	891.00	1223	184+40.33	29.01 RT	891.58
1204	183+98.05	39.55 RT	889.68	1214	184+19.46	21.74 RT	890.55	1224	184+40.41	34.01 RT	891.66
1205	183+97.64	39.27 RT	889.67	1215	184+19.28	21.28 RT	890.54	1225	184+26.06	36.80 RT	890.78
1206	183+96.00	38.18 RT	889.75	1216	184+18.55	19.42 RT	890.62	1226	184+21.65	38.80 RT	890.68
1207	183+99.82	32.99 RT	889.87	1217	184+23.77	17.67 RT	890.72	1227	184+20.51	39.41 RT	890.65
1208	184+01.31	34.29 RT	889.79	1218	184+24.28	19.60 RT	890.64	1228	184+14.23	43.73 RT	890.50
1209	184+01.68	34.62 RT	889.80	1219	184+24.41	20.08 RT	890.64	1229	184+07.42	50.83 RT	890.51



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - MAIN STREET	SHEET 30	E

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
1400	185+64.40	34.00 LT	893.86
1401	185+74.62	34.00 LT	893.88
1402	185+79.71	34.00 LT	893.95
1403	185+89.56	34.00 LT	893.99
1404	185+89.43	44.00 LT	894.67
1405	185+95.33	44.00 LT	894.58
1406	185+95.56	34.00 LT	893.90
1407	185+96.06	34.01 LT	893.89
1408	185+98.06	34.03 LT	893.97
1409	185+97.90	28.60 LT	893.88
1410	185+95.93	28.92 LT	893.80
1411	185+95.43	29.00 LT	893.81
1412	185+94.94	27.00 LT	894.25
1413	185+89.62	29.00 LT	893.91
1414	185+79.71	29.00 LT	893.88
1415	185+81.73	18.50 LT	893.71
1416	185+79.71	18.50 LT	893.20
1417	185+79.71	18.00 LT	893.17
1418	185+79.71	16.00 LT	893.25
1419	185+74.62	16.00 LT	893.15
1420	185+74.62	18.00 LT	893.07
1421	185+74.62	18.50 LT	893.10
1422	185+72.60	18.50 LT	893.53
1423	185+74.62	29.00 LT	893.80
1424	185+64.40	29.00 LT	893.78

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
1500	186+14.93	50.11 LT	894.58
1501	186+14.95	45.11 LT	894.50
1502	186+17.53	36.00 LT	894.90
1503	186+17.56	34.00 LT	894.40
1504	186+17.06	33.99 LT	894.37
1505	186+15.06	33.97 LT	894.33
1506	186+15.29	28.60 LT	894.24
1507	186+17.27	28.92 LT	894.28
1508	186+17.76	29.00 LT	894.32
1509	186+18.26	27.00 LT	894.72
1510	186+18.88	21.05 LT	894.11
1511	186+27.43	16.24 LT	894.34
1512	186+23.76	29.00 LT	894.74
1513	186+28.76	29.00 LT	894.82
1514	186+38.76	29.00 LT	895.47
1515	186+38.76	34.00 LT	895.55
1516	186+28.76	34.00 LT	894.89
1517	186+23.76	34.00 LT	894.82

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
1600	185+64.97	29.00 RT	893.69
1601	185+74.80	29.00 RT	893.62
1602	185+72.82	18.50 RT	893.53
1603	185+74.80	18.50 RT	893.10
1604	185+74.80	18.00 RT	893.07
1605	185+74.80	16.00 RT	893.15
1606	185+79.71	16.00 RT	893.25
1607	185+79.71	18.00 RT	893.17
1608	185+79.71	18.50 RT	893.20
1609	185+81.69	18.50 RT	893.71
1610	185+79.71	29.00 RT	893.70
1611	185+89.55	29.00 RT	893.90
1612	185+89.55	34.00 RT	893.97
1613	185+79.71	34.00 RT	893.77
1614	185+74.80	34.00 RT	893.70
1615	185+64.97	34.00 RT	893.77

USH 141

186+00

USH 141

SCHOOL ST.

DETECTABLE WARNING FIELD, NATURAL PATINA (2'X5' TYP.)

LEGEND

GUTTER SLOPE TRANSITION AREA

NOTES:
1. SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - SCHOOL STREET	SHEET 31	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021010_CD TO 0210XX_CD.DWG
LAYOUT NAME - 021013_cd

PLOT DATE : 4/5/2019 9:46 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
1700	193+81.82	30.28 LT	914.27
1701	193+91.48	31.00 LT	914.56
1702	193+86.41	16.00 LT	913.47
1703	193+89.45	18.50 LT	913.97
1704	193+91.41	18.50 LT	913.56
1705	193+91.41	18.00 LT	913.52
1706	193+91.41	16.00 LT	913.56
1707	193+96.70	16.19 LT	913.65
1708	193+96.38	18.17 LT	913.61
1709	193+96.31	18.66 LT	913.65
1710	194+01.31	17.81 LT	913.79
1711	193+98.26	19.16 LT	914.14
1712	193+96.31	31.41 LT	914.63
1713	194+06.30	29.08 LT	915.00
1714	194+06.44	31.08 LT	914.62
1715	194+06.92	31.07 LT	914.61
1716	194+08.85	31.02 LT	914.69
1717	194+08.96	36.02 LT	914.72
1718	194+07.04	36.07 LT	914.64
1719	194+06.56	36.08 LT	914.64
1720	194+06.61	38.08 LT	915.20
1721	193+95.91	36.37 LT	914.71
1722	193+91.11	35.97 LT	914.63
1723	193+81.50	35.26 LT	914.35

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
1800	194+41.82	50.12 LT	916.27
1801	194+44.21	44.30 LT	916.11
1802	194+42.02	38.49 LT	915.73
1803	194+42.05	36.44 LT	915.14
1804	194+41.57	36.43 LT	915.13
1805	194+39.65	36.40 LT	915.21
1806	194+43.13	36.20 LT	915.16
1807	194+39.72	31.27 LT	915.19
1808	194+41.65	31.30 LT	915.11
1809	194+42.13	31.31 LT	915.11
1810	194+39.98	28.09 LT	914.99
1811	194+42.25	29.24 LT	915.47
1812	194+42.17	22.58 LT	915.58
1813	194+47.15	17.87 LT	914.48
1814	194+52.72	16.08 LT	914.53
1815	194+47.08	30.23 LT	915.38
1816	194+51.81	29.24 LT	915.45
1817	194+61.31	27.33 LT	915.42
1818	194+62.21	32.24 LT	915.49
1819	194+52.76	34.14 LT	915.53
1820	194+48.05	35.13 LT	915.45
1821	194+48.14	45.96 LT	916.18
1822	194+46.52	50.21 LT	916.52

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
1900	193+82.09	26.00 RT	913.39
1901	193+92.47	26.00 RT	913.34
1902	193+90.28	18.50 RT	913.32
1903	193+92.47	18.50 RT	912.89
1904	193+92.47	18.00 RT	912.86
1905	193+92.47	16.00 RT	912.94
1906	193+97.63	16.00 RT	913.03
1907	193+97.63	18.00 RT	912.95
1908	193+97.63	18.50 RT	912.98
1909	193+99.48	18.50 RT	913.48
1910	193+97.63	26.00 RT	913.41
1911	194+08.01	26.00 RT	913.80
1912	194+08.01	31.00 RT	913.87
1913	193+97.63	31.00 RT	913.49
1914	193+92.47	31.00 RT	913.41
1915	193+82.09	31.00 RT	913.47

DETECTABLE WARNING FIELD, NATURAL PATINA (2'X5' TYP.)

DETECTABLE WARNING FIELD, NATURAL PATINA (2'X5' TYP.)

HILL ST.

USH 141

194+00

195+00

LEGEND

GUTTER SLOPE TRANSITION AREA

NOTES:
1. SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - HILL STREET	SHEET 32	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021010_CD TO 0210XX_CD.DWG
LAYOUT NAME - 021014_cd
PLOT DATE : 4/5/2019 9:32 AM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

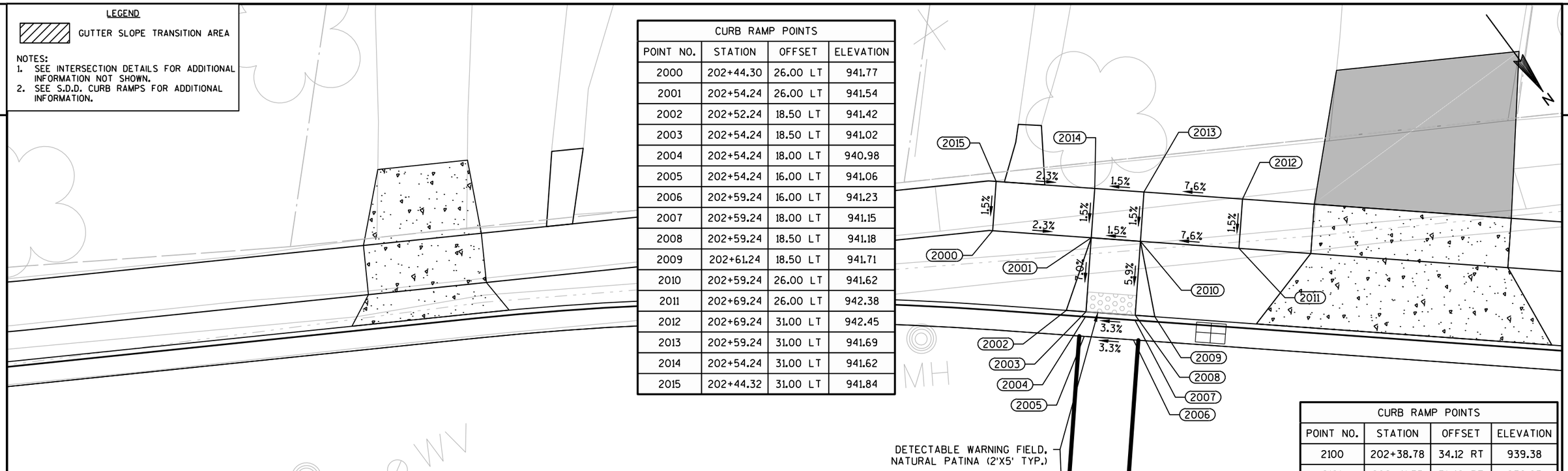
2

LEGEND

GUTTER SLOPE TRANSITION AREA

NOTES:
1. SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION NOT SHOWN.
2. SEE S.D.D. CURB RAMPS FOR ADDITIONAL INFORMATION.

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
2000	202+44.30	26.00 LT	941.77
2001	202+54.24	26.00 LT	941.54
2002	202+52.24	18.50 LT	941.42
2003	202+54.24	18.50 LT	941.02
2004	202+54.24	18.00 LT	940.98
2005	202+54.24	16.00 LT	941.06
2006	202+59.24	16.00 LT	941.23
2007	202+59.24	18.00 LT	941.15
2008	202+59.24	18.50 LT	941.18
2009	202+61.24	18.50 LT	941.71
2010	202+59.24	26.00 LT	941.62
2011	202+69.24	26.00 LT	942.38
2012	202+69.24	31.00 LT	942.45
2013	202+59.24	31.00 LT	941.69
2014	202+54.24	31.00 LT	941.62
2015	202+44.32	31.00 LT	941.84



CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
2100	202+38.78	34.12 RT	939.38
2101	202+41.35	31.48 RT	939.93
2102	202+41.46	29.48 RT	939.59
2103	202+40.91	29.41 RT	939.58
2104	202+38.70	29.14 RT	939.60
2105	202+41.11	23.18 RT	939.74
2106	202+42.96	24.23 RT	939.72
2107	202+43.43	24.50 RT	939.73
2108	202+45.08	22.50 RT	940.31
2109	202+44.66	19.44 RT	940.00
2110	202+54.24	24.50 RT	940.70
2111	202+52.24	18.66 RT	940.93
2112	202+54.24	18.50 RT	940.55
2113	202+54.24	18.00 RT	940.53
2114	202+54.24	16.00 RT	940.61
2115	202+59.24	16.00 RT	940.82
2116	202+59.24	18.00 RT	940.74
2117	202+59.24	18.50 RT	940.74
2118	202+61.24	18.50 RT	941.32
2119	202+59.24	24.50 RT	940.77
2120	202+74.24	24.50 RT	942.11
2121	202+74.24	29.50 RT	942.18
2122	202+59.24	29.50 RT	940.85
2123	202+54.24	29.50 RT	940.77
2124	202+43.40	29.50 RT	939.64

CURB RAMP POINTS			
POINT NO.	STATION	OFFSET	ELEVATION
2200	201+83.13	26.00 RT	938.35
2201	201+93.13	26.00 RT	938.74
2202	201+98.39	25.99 RT	938.66
2203	202+05.90	23.83 RT	939.15
2204	202+07.19	25.78 RT	938.50
2205	202+07.69	25.56 RT	938.49
2206	202+09.65	24.68 RT	938.57
2207	202+11.39	30.60 RT	938.50
2208	202+09.15	30.71 RT	938.42
2209	202+08.59	30.73 RT	938.43
2210	202+08.61	32.73 RT	938.87
2211	202+07.42	30.78 RT	938.44
2212	201+98.45	30.99 RT	938.74
2213	201+93.13	31.00 RT	938.81
2214	201+83.13	31.00 RT	938.43

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CURB RAMP DETAILS - TYLER ROAD	SHEET 33	E

2

2

1600

STA. 9+50.00'P'
SAWCUT & MATCH
EXISTING PAV'T.

STA. 9+50.00'P'
12.94' RT.

STA. 9+55.00'P'
12.50' RT.

STA. 9+50.00'P', RT.
SAWCUT & MATCH
EXISTING SIDEWALK.
REMOVE SIDEWALK TO
NEAREST JOINT.

STA. 9+60.00'P'
22.50' RT.

STA. 164+11.00, 32.00' LT.
STA. 9+67.59'P', 27.50' RT.
15'R.

STEPS TO
REMAIN

PINE ST.

STA. 9+50.00'P'
12.90' LT.

STA. 9+55.00'P'
12.50' LT.

STA. 9+69.40'P'
12.50' LT.

STA. 164+66.02, 31.00' LT.
STA. 9+69.40'P', 27.50' LT.
15'R.

CONCRETE SIDEWALK 4-INCH (TYP.)

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

CONCRETE DRIVEWAY 6-INCH (TYP.)

SIGN

HMA C.E.

CONC. C.E.

5'
7.5'
12.5'
12.5'
HMA
PAV'T.
5'
VARIES
4.5'
5'
4.5'

STA. 163+83.12, LT.
SAWCUT & MATCH
EXISTING SIDEWALK.
REMOVE SIDEWALK TO
NEAREST JOINT.

STA. 164+00.00
17.00' LT.

STA. 164+11.00
17.00' LT.

STA. 9+67.59'P'
12.50' RT.

SEE CURB RAMP DETAILS

STA. 164+66.02
16.00' LT.

STA. 165+38.91
16.00' LT.

17'
91°
16'

USH 141

164+00

10+00'P'

165+00

166+00

HMA
PAV'T.

HMA
PAV'T.

17'

STA. 164+00.00
17.00' RT.

STA. 164+10.16
17.00' RT.

STA. 164+69.16
16.00' RT.

STA. 165+38.91
16.00' RT.

SEE CURB RAMP DETAILS

6'

16'

USH 141

STA. 166+40.00
18.50' RT.

CONC. P.E.

CONC. P.E.

HMA
P.E.

CONC. P.E.

HMA
P.E.

5'

STA. 164+10.16, 34.00' RT.
STA. 10+33.41'P', 29.50' RT.
17'R.

STA. 10+40.00'P'
21.50' LT.

STA. 164+69.16, 33.00' RT.
STA. 10+33.61'P', 29.50' LT.
17'R.

STA. 10+33.41'P'
12.50' RT.

STA. 10+33.61'P'
12.50' LT.

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

CONCRETE SIDEWALK 4-INCH (TYP.)

STA. 164+99.07
25.49' RT.

STA. 164+93.69
25.53' RT.

CONCRETE DRIVEWAY 6-INCH (TYP.)

12.5'
12.5'
5'
6.5'

HMA
PAV'T.

STA. 10+50.00'P'
12.50' RT.

STA. 10+50.00'P'
21.50' LT.

STA. 10+50.00'P'
12.50' LT.

1601

1517

1509

1501

STA. 10+60.00'P'
12.41' RT.

STA. 10+60.00'P'
SAWCUT & MATCH
EXISTING PAV'T.

PINE ST.

STA. 10+60.00'P'
13.05' LT.

STA. 10+60.00'P', LT.
SAWCUT & MATCH
EXISTING SIDEWALK.
REMOVE SIDEWALK TO
NEAREST JOINT.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	INTERSECTION DETAILS: USH 141/PINE STREET	SHEET 34	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021101_ID.DWG
LAYOUT NAME - 021101_id

PLOT DATE : 4/12/2019 11:43 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

N

W

SIGN

BROOK ST.

STA. 9+63.00'BR'
15.19' RT.

STA. 9+63.00'BR', RT.
SAWCUT & MATCH
EXISTING SIDEWALK.
REMOVE SIDEWALK TO
NEAREST JOINT.

STA. 9+63.00'BR'
SAWCUT & MATCH
EXISTING PAV'T.

STA. 9+63.00'BR'
14.18' LT.

STA. 9+66.81'BR'
14.00' LT.

STA. 9+68.00'BR'
15.00' RT.

STA. 9+71.10'BR'
15.00' RT.

STA. 168+95.70
35.00' LT.

STA. 168+51.23
35.00' LT.

STA. 168+57.30
35.00' LT.

STA. 168+99.12
35.00' LT.

STA. 169+45.20, 31.00' LT.
STA. 9+71.10'BR', 30.00' RT.
15'R.

STA. 170+46.45
35.00' LT.

STA. 170+51.18
35.00' LT.

STA. 170+04.36, 31.00' LT.
STA. 9+66.81'BR', 29.00' LT.
15'R.

CONCRETE DRIVEWAY 6-INCH (TYP.)

CONCRETE SIDEWALK 4-INCH (TYP.)

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

HMA C.E.

HMA C.E.

CONC. C.E.

CONC. C.E.

HMA
PAV'T.

15'

14'

7'

5'

6'

4.5'

16'

16'

16'

16'

SEE CURB RAMP DETAILS

SEE CURB RAMP DETAILS

STA. 169+45.20
16.00' LT.

STA. 170+04.36
16.00' LT.

86°

USH 141

169+00

170+00

171+00

USH 141

HMA
PAV'T.

HMA
PAV'T.

SEE CURB RAMP DETAILS

STA. 169+94.78
22.50' RT.

CONC. C.E.

CONC. P.E.

CONC. P.E.

CONC. P.E.

CONC. P.E.

4'

4'

5'

6.5'

5'

HMA PAV'T.

HMA C.E.

HMA PAV'T.

MH

STA. 169+14.00
33.00' RT.

STA. 169+16.66
33.00' RT.

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

CONCRETE SIDEWALK 4-INCH (TYP.)

STA. 170+15.69
35.00' RT.

STA. 170+19.32
35.00' RT.

STA. 170+30.92
25.00' RT.

CONCRETE DRIVEWAY 6-INCH (TYP.)

STA. 170+59.66
35.00' RT.

STA. 170+55.21
35.00' RT.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	INTERSECTION DETAILS: USH 141/BROOK STREET	SHEET 35	E

2

2

CONCRETE SIDEWALK 4-INCH (TYP.)

CONCRETE DRIVEWAY 6-INCH (TYP.)

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

HOUSE

N

STA. 177+64.91
35.43' LT.

STA. 177+67.94
35.44' LT.

HMA P.E.

CONC. P.E.

5'

10.5'

STA. 176+23.36
16.00' LT.

SEE CURB RAMP DETAILS

STA. 175+10.00
29.00' LT.

16'

HMA
PAV'T.

176+00

177+00

USH 141

178+00

175+00

USH 141

STA. 176+23.36
16.00' RT.

STA. 176+34.24
16.00' RT.

83°

STA. 176+86.02
20.00' RT.

SEE CURB RAMP DETAILS

STA. 176+95.00
29.00' RT.

STA. 177+07.00
20.00' RT.

HMA
PAV'T.

VARIES

CONC. P.E.

HMA P.E.

STA. 175+20.00
23.32' RT.

CONCRETE DRIVEWAY 6-INCH (TYP.)

STA. 176+34.24, 31.00' RT.
STA. 10+28.35'C', 25.00' RT.
15'R.

SEE CURB RAMP DETAILS

STA. 10+28.35'C'
10.00' RT.

STA. 10+38.19'C'
11.00' LT.

HMA
PAV'T.

10'

11'

STA. 176+86.02, 35.00' RT.
STA. 10+38.19'C', 26.00' LT.
15'R.

SEE CURB RAMP DETAILS

STA. 10+42.50'C'
11.00' LT.

STA. 10+50.00'C', LT.
SAWCUT & MATCH
EXISTING SIDEWALK.
REMOVE SIDEWALK TO
NEAREST JOINT.

STA. 10+46+50'C
10.00' LT.

STA. 10+50.00'C'
9.93' LT.

STA. 177+23.00
16.00' RT.

STA. 177+15.00
26.50' RT.

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

CONCRETE SIDEWALK 4-INCH (TYP.)

8'

6.5'

5'

STA. 175+01.64
35.00' RT.

STA. 174+99.19
35.00' RT.

HOUSE

STA. 10+45.00'C'
10.00' RT.

STA. 10+50.00'C'
10.02' RT.

STA. 10+50.00'C'
SAWCUT & MATCH
EXISTING PAV'T.

HOUSE

CLARK ST.

HMA
PAV'T.

STA. 10+50.00'C' TO STA. 11+30.00'C', LT.
EXISTING ASPHALT TO REMAIN

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	INTERSECTION DETAILS: USH 141/CLARK STREET	SHEET 36	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021103_ID.DWG
LAYOUT NAME - 021103_id
PLOT DATE : 4/12/2019 3:01 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

SIGN

HMA C.E.

CONC. C.E.

5'

10.5'

CONCRETE DRIVEWAY 8-INCH (TYP.)

HMA C.E.

CONC. C.E.

N

5'

10.5'

HMA C.E.

CONC. C.E.

CONCRETE SIDEWALK 4-INCH (TYP.)

SEE CURB RAMP DETAILS

SEE CURB RAMP DETAILS

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

16'

16'

HMA
PAV'T.

USH 141

183+00

184+00

USH 141

185+00

HMA
PAV'T.

STA. 182+25.00
26.50' RT.

STA. 183+03.35
16.00' RT.

8'

STA. 182+45.00
30.00' RT.

11.5'

STA. 182+88.21
30.00' RT.

5'

SEE CURB RAMP DETAILS

STA. 184+36.26
16.00' RT.

SEE CURB RAMP DETAILS

CONCRETE
TERRACE

STA. 184+41.16
29.00' RT.

10.5'

CONCRETE
TERRACE

5'

STA. 184+95.26
37.50' RT.

STA. 185+01.22
37.61' RT.

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

CONCRETE SIDEWALK 4-INCH (TYP.)

MAIN ST.

W

SIGN

STA. 183+03.35, 66.00' RT.
STA. 10+70.82'M', 69.00' RT.
50'R.

STA. 10+70.82'M'
19.00' RT.

STA. 10+61.57'M'
19.00' LT.

STA. 184+36.26, 66.00' RT.
STA. 10+61.57'M', 69.00' LT.
50'R.

5'

19'

19'

STA. 10+70.65'M'
25.50' LT.

STA. 184+41.16, 79.00' RT.
STA. 10+70.65'M', 75.50' LT.
50'R.

STA. 182+88.81, 86.00' RT.
STA. 11+05.87'M', 81.50' RT.
56'R.

STA. 11+05.87'M'
25.50' RT.

STA. 11+15.00'M'
19.00' RT.

STA. 11+15.00'M'
25.50' RT.

HMA
PAV'T.

11+00'M'

4'

4'

5'

STA. 11+15.00'M'
19.00' LT.

STA. 11+15.00'M'
25.50' LT.

BLDG.

STA. 11+25.00'M', RT.
SAWCUT & MATCH
EXISTING SIDEWALK.
REMOVE SIDEWALK TO
NEAREST JOINT.

STA. 11+25.00'M'
19.69' RT.

STA. 11+25.00'M'
SAWCUT & MATCH
EXISTING PAV'T.

STA. 11+25.00'M'
18.84' LT.

STA. 11+25.00'M', LT.
SAWCUT & MATCH
EXISTING SIDEWALK.
REMOVE SIDEWALK TO
NEAREST JOINT.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	INTERSECTION DETAILS: USH 141/MAIN STREET	SHEET 37	E

2

N

HOUSE

HOUSE

BLDG.

HOUSE

SCHOOL ST.

9+00'S'

STA. 9+50.00'S'
8.73' RT.

STA. 9+50.00'S', RT.
SAWCUT & MATCH
EXISTING SIDEWALK.
REMOVE SIDEWALK TO
NEAREST JOINT.

STA. 9+50.00'S'
SAWCUT & MATCH
EXISTING PAV'T.

STA. 9+50.00'S'
8.58' LT.

STA. 9+60.00'S'
8.50' RT.

STA. 9+60.00'S'
8.50' LT.

STA. 9+55.00'S'
17.00' RT.

CONCRETE DRIVEWAY 8-INCH

HMA C.E.

HMA
PAV'T.

STA. 9+68.68'S'
8.50' RT.

6'

8.5'

8.5'

STA. 9+69.31'S'
8.50' LT.

5'

STA. 185+82.99, 31.00' LT.
STA. 9+68.68'S', 23.50' RT.
15'R.

STA. 186+30.10, 31.00' LT.
STA. 9+69.31'S', 23.50' LT.
15'R.

CONC. C.E.

10.5'

SEE CURB RAMP DETAILS

STA. 185+82.99
16.00' LT.

STA. 186+30.10
16.00' LT.

SEE CURB RAMP DETAILS

16'

185+00

USH 141

186+00

187+00

188+00

HMA
PAV'T.

16'

SEE CURB RAMP DETAILS

10.5'

CONCRETE
TERRACE

CONC. C.E.

CONC. C.E.

CONCRETE
TERRACE

10.5'

CONC. C.E.

5'

5'

HMA C.E.

HMA C.E.

HMA C.E.

STA. 185+01.22
37.61' RT.

STA. 185+35.75
36.61' RT.

STA. 185+48.48
36.23' RT.

STA. 184+95.26
37.50' RT.

STA. 185+74.39
40.00' RT.

STA. 185+83.27
40.00' RT.

INL

INL

BLDG.

BLDG.

CONCRETE SIDEWALK 4-INCH (TYP.)

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

CONCRETE DRIVEWAY 6-INCH (TYP.)

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

CONCRETE SIDEWALK 4-INCH (TYP.)

CONCRETE DRIVEWAY 6-INCH (TYP.)

STA. 186+47.43
44.00' LT.

STA. 186+52.16
44.00' LT.

STA. 187+09.12
44.00' LT.

STA. 187+12.01
44.00' LT.

STA. 187+68.62
44.00' LT.

STA. 187+71.46
44.00' LT.

CONC. P.E.

HMA P.E.

CONC. P.E.

HMA P.E.

CONC. P.E.

STA. 187+49.38
38.14' RT.

STA. 187+51.90
38.20' RT.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	INTERSECTION DETAILS: USH 141/SCHOOL STREET	SHEET 38	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021105_ID.DWG
LAYOUT NAME - 021105_id
PLOT DATE : 4/15/2019 8:45 AM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

HOUSE

HOUSE

HOUSE

HILL ST.

9+00'HI'

STA. 9+50.00'HI'
SAWCUT & MATCH
EXISTING PAV'T.

STA. 9+50.00'HI
16.00' RT.

STA. 9+60.00'HI
16.00' RT.

STA. 9+69.67'HI
16.00' RT.

STA. 193+64.99
36.41' LT.

STA. 193+68.72
36.42' LT.

STA. 193+11.46
35.85' LT.

STA. 193+14.07
35.85' LT.

CONC. C.E.

HMA P.E.

CONC. C.E.

CONC. C.E.

5'

10.5'

VARIES'

STA. 193+94.37, 31.00' LT.
STA. 9+69.67'HI', 31.00' RT.
15'R.

HMA
PAV'T.

16'

16'

STA. 9+50.00'HI'
15.99' LT.

STA. 9+50.00'HI', LT.
SAWCUT & MATCH
EXISTING SIDEWALK.
REMOVE SIDEWALK TO
NEAREST JOINT.

STA. 9+60.00'HI'
16.00' LT.

STA. 9+69.42'HI'
16.00' LT.

STA. 9+66.23'HI'
29.60' LT.

STA. 194+54.20, 31.00' LT.
STA. 9+69.42'HI', 31.00' LT.
15'R.

VARIES'

STA. 194+91.67
22.00' LT.

B.A.D. C.E.

CONCRETE DRIVEWAY 6-INCH (TYP.)

CONCRETE SIDEWALK 4-INCH (TYP.)

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

CONC. C.E.

5'

3.5'

STA. 193+50.69
16.00' LT.

STA. 193+58.52
29.00' LT.

STA. 193+94.37
16.00' LT.

SEE CURB RAMP DETAILS

STA. 194+54.20
16.00' LT.

STA. 195+15.22
16.00' LT.

193+00

194+00

195+00

USH 141

90°

N

W

W

W

HMA
PAV'T.

16'

STA. 193+50.69
16.00' RT.

STA. 193+75.00
26.00' RT.

SEE CURB RAMP DETAILS

10.5'

CONCRETE
TERRACE

CONC. C.E.

CONCRETE
TERRACE

7.5'

CONCRETE
TERRACE

CONC. C.E.

CONCRETE
TERRACE

5'

CONC. C.E.

HMA C.E.

CONC. C.E.

7.5'

CONCRETE
TERRACE

CONC. C.E.

5'

16'

HMA
PAV'T.

USH 141

16'

STA. 195+15.22
16.00' RT.

STA. 193+50.00
29.00' RT.

CONCRETE DRIVEWAY 6-INCH (TYP.)

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

CONCRETE SIDEWALK 4-INCH (TYP.)

STA. 195+05.24
36.40' RT.

STA. 195+10.39
36.43' RT.

STA. 195+82.71
31.36' RT.

STA. 195+92.11
31.48' RT.

BLDG.

BLDG.

BLDG.

BLDG.

MH

MH

X

X

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	INTERSECTION DETAILS: USH 141/HILL STREET	SHEET 39	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021106_ID.DWG
LAYOUT NAME - 021106_id

PLOT DATE : 4/15/2019 9:12 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

HOUSE
HOUSE
BLDG.
HOUSE
HOUSE
HOUSE
BLDG.

N

STA. 201+02.38
34.00' LT.
STA. 201+04.72
34.00' LT.
STA. 201+44.01
34.00' LT.
STA. 201+48.28
34.00' LT.
STA. 202+03.90
34.14' LT.
STA. 202+06.76
34.25' LT.
STA. 202+46.06
36.92' LT.
STA. 202+48.41
36.96' LT.
STA. 202+43.98
26.00' LT.
STA. 203+15.61
45.07' LT.
STA. 203+17.71
45.23' LT.

HMA P.E.
CONC. P.E.
CONC. P.E.
HMA P.E.
CONC. P.E.
CONC. P.E.
CONC. P.E.

5'
3.5'
5'
3'
5'
VARIES
7.5'
5'

CONCRETE DRIVEWAY 6-INCH (TYP.)
CONCRETE SIDEWALK 4-INCH (TYP.)

STA. 201+20.00
22.00' LT.
STA. 201+50.00
21.50' LT.
STA. 201+95.52
16.00' LT.
STA. 201+45.00
16.00' LT.

SEE CURB RAMP DETAILS

16'
USH 141
201+00
202+00
203+00
16'
HMA PAV'T.
16'
USH 141
HMA PAV'T.

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

STA. 201+94.67
16.00' RT.
93°
STA. 202+54.24
16.00' RT.
STA. 202+63.00
16.00' RT.
STA. 202+71.00
16.00' RT.
STA. 202+69.00
18.00' RT.
STA. 202+85.00
24.50' RT.
STA. 202+65.00
18.00' RT.

SEE CURB RAMP DETAILS

CONC. P.E.
CONCRETE DRIVEWAY 6-INCH (TYP.)
CONC. P.E.
7.5'
5'

STA. 201+94.67, 31.00' RT.
STA. 10+30.96'TY', 27.00' RT.
15'R.
STA. 202+54.24, 31.00' RT.
STA. 10+33.86'TY', 27.00' LT.
15'R.

STA. 201+07.94
37.00' RT.
STA. 201+10.45
37.00' RT.
STA. 201+74.76
37.00' RT.
STA. 201+77.72
37.00' RT.
STA. 10+30.96'TY'
12.00' RT.
STA. 10+33.86'TY'
12.00' LT.
STA. 203+15.00
26.00' RT.

HMA PAV'T.
HMA PAV'T.
CONC. P.E.
7.5'
5'
HMA C.E.

CONCRETE SIDEWALK 4-INCH (TYP.)

STA. 10+67.97'TY'
0.00' RT.

12'
12'

HMA PAV'T.

HOUSE
HOUSE
BLDG.

STA. 10+67.97'TY'
12.00' RT.
STA. 10+75.00'TY'
12.32' RT.
STA. 10+75.00'TY'
SAWCUT & MATCH
EXISTING PAV'T.

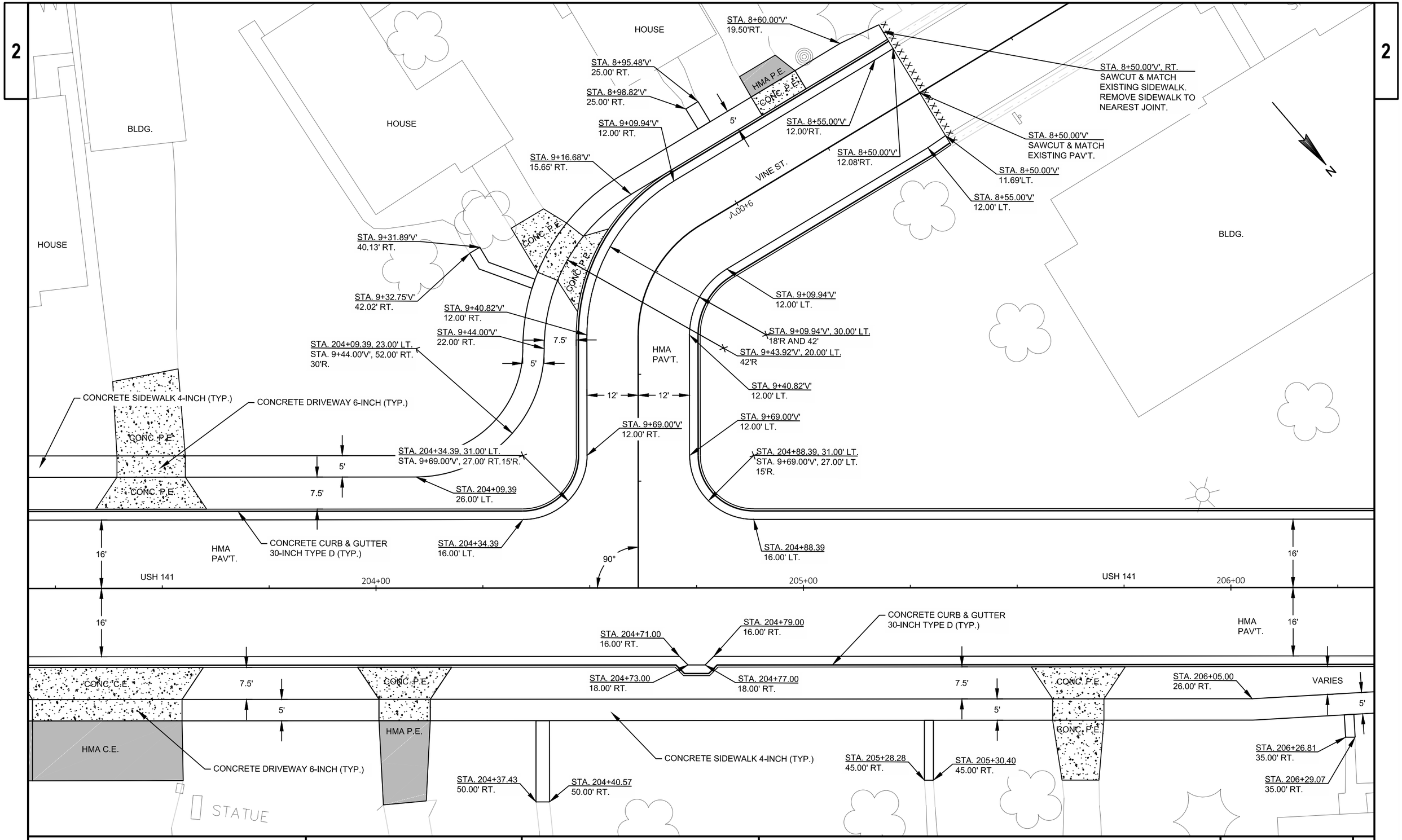
STA. 10+68.78'TY'
11.97' LT.
STA. 10+75.00'TY'
11.55' LT.

TYLER RD.
13+00'TY'

BLDG.
STATUE

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	INTERSECTION DETAILS: USH 141/TYLER ROAD	SHEET 40	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021107_ID.DWG
LAYOUT NAME - 021107_id
PLOT DATE : 4/15/2019 9:56 AM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

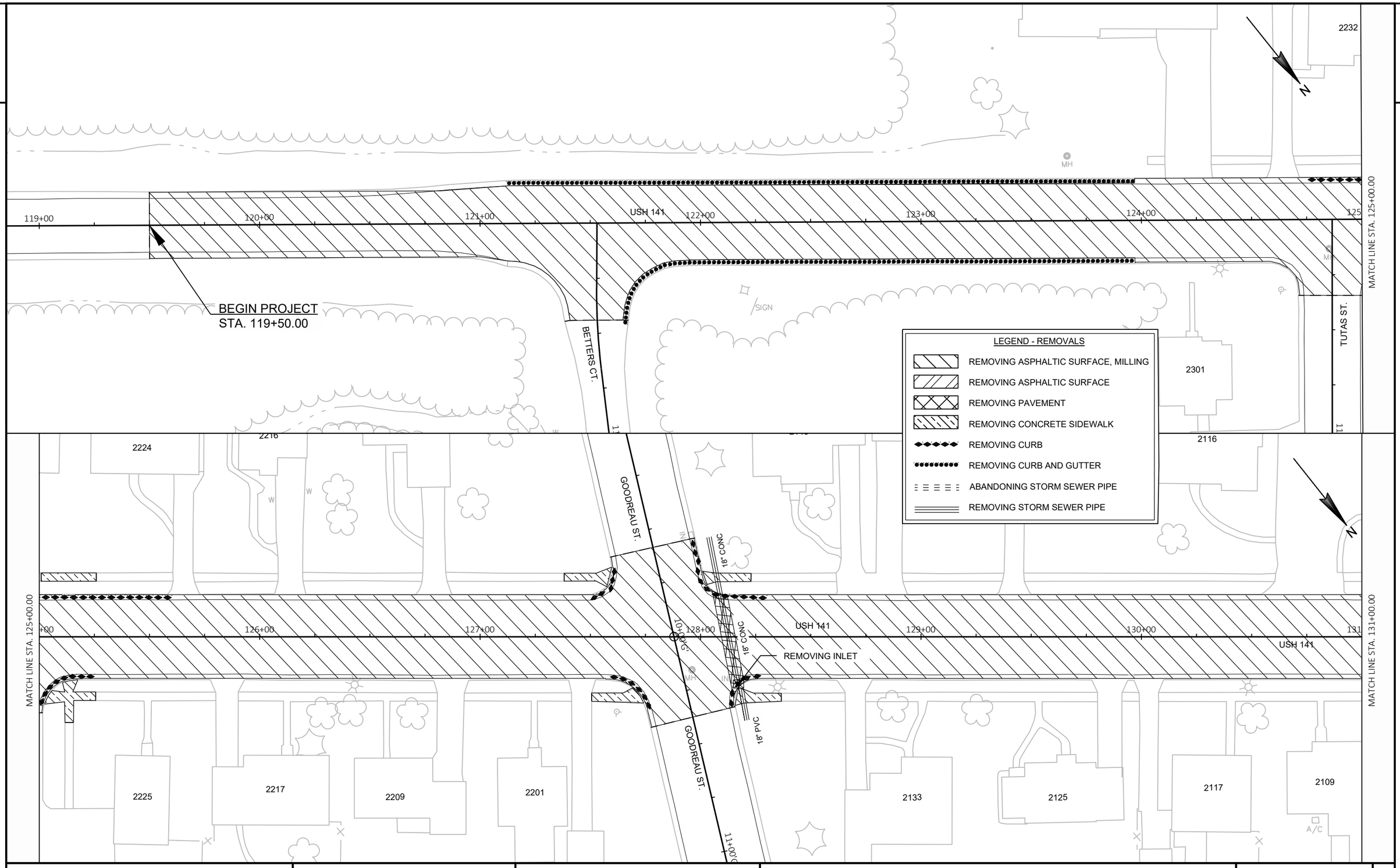


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	INTERSECTION DETAILS: USH 141/VINE STREET	SHEET 41	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021108_ID.DWG
LAYOUT NAME - 021108_id
PLOT DATE : 4/15/2019 10:21 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN DETAILS: REMOVALS	SHEET 42	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021201_PD TO 021208_PD (REMOVALS).DWG
LAYOUT NAME - 021201_pd
PLOT DATE : 4/15/2019 10:27 AM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

MATCH LINE STA. 131+00.00

CARDIN ST.

2064

2056

2048

2040

2032

2024

2016

2008

N

MH

INL

+00

132+00

133+00

USH 141

134+00

135+00

136+00

137

2101

2065

2033

2025

2017

2009

A/C

LEGEND - REMOVALS

- REMOVING ASPHALTIC SURFACE, MILLING
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB
- REMOVING CURB AND GUTTER
- ABANDONING STORM SEWER PIPE
- REMOVING STORM SEWER PIPE

MATCH LINE STA. 137+00.00

2000

REMOVING INLETS

LEDGE ST.

1972

1964

1940

1932

1924

4" CMCP

MH

+00

138+00

139+00

USH 141

140+00

141+00

142+00

143

6" CMCP

6" CONC

REMOVING INLETS

SIGN

W

2001

1957

MATCH LINE STA. 142+99.99

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN DETAILS: REMOVALS	SHEET 43	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021201_PD TO 021208_PD (REMOVALS).DWG
LAYOUT NAME - 021202_pd

PLOT DATE : 4/15/2019 10:29 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

1916
1908
1900
1872
1864
1856
1848
1840
1832
1800
1756
1748
1740
1732
1724

BIRCH ST.
MAPLE ST.
9+00 BI'
MA'

MATCH LINE STA. 142+99.99
MATCH LINE STA. 149+00.00
MATCH LINE STA. 149+00.00
MATCH LINE STA. 155+00.00

144+00
145+00
146+00
147+00
148+00
149
150+00
151+00
152+00
153+00
154+00
156

USH 141

6" CONC
12" CONC
12" CONC
8" CONC
8" CONC
12" CONC
12" PVC
8" PVC

REMOVING INLETS
REMOVING INLET
REMOVING INLET
REMOVING MANHOLE BACKFILL GRANULAR GRADE 1 REQUIRED
INLETS TO REMAIN

INL
MH

N
N

LEGEND - REMOVALS

- REMOVING ASPHALTIC SURFACE, MILLING
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB
- REMOVING CURB AND GUTTER
- ABANDONING STORM SEWER PIPE
- REMOVING STORM SEWER PIPE

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN DETAILS: REMOVALS	SHEET 44	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021201_PD TO 021208_PD (REMOVALS).DWG
LAYOUT NAME - 021203_pd
PLOT DATE : 4/15/2019 10:29 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

2

2

HEMLOCK ST.

REMOVING INLETS

12" CONC

8" CONC

REMOVING INLET

24" CONC

REMOVING MANHOLE

18" CMCP AT INLET AND 24" CONC AT MH

REMOVING INLET

MATCH LINE STA. 155+00.00

MATCH LINE STA. 161+00.00

1716 1708 1700 1672 1664 1656 1648

156+00 157+00 158+00 159+00 160+00

N

LEGEND - REMOVALS

- REMOVING ASPHALTIC SURFACE, MILLING
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB
- REMOVING CURB AND GUTTER
- ABANDONING STORM SEWER PIPE
- REMOVING STORM SEWER PIPE

1701 1673 1665 1657 1649 1641 1633

1600 1608 1604 1624 1625 1617 1609 1601 1517 1509 1501

PINE ST.

REMOVING INLETS

ABANDON MANHOLE

STA. 163+50 - STA. 164+00
TRANSITISION AREA TO MATCH EXISTING PROFILE TO RECONSTRUCT PROFILE.

10"PVC

REMOVING CONCRETE STEPS

STATUE

SIGN

MATCH LINE STA. 161+00.00

162+00 163+00 164+00 165+00 166+00

USH 141

BACKFILL GRANULAR GRADE 1 REQUIRED

9560-02-75 END PROJECT
9560-02-74 BEGIN PROJECT
STA. 164+00

REMOVING MANHOLE

LOCATIONS SHOWN WITHOUT REMOVING PAVEMENT HAD CONCRETE PAVEMENT REMOVED AS PART OF THE 2016/2017 CITY UTILITY PROJECT (TYP.)

MATCH LINE STA. 167+00.00

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN DETAILS: REMOVALS	SHEET 45	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021201_PD TO 021208_PD (REMOVALS).DWG
LAYOUT NAME - 021204_pd

PLOT DATE : 4/15/2019 10:34 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA. 167+00.00

MATCH LINE STA. 173+00.00

MATCH LINE STA. 173+00.00

MATCH LINE STA. 179+00.00

USH 141

USH 141

USH 141

BROOK ST.

CLARK ST.

REMOVING MANHOLE

REMOVING MANHOLE
BACKFILL GRANUAR
GRADE 1 REQUIRED

REMOVING 3.5' X
3.5' BOX CULVERT

REMOVING MANHOLE

BACKFILL GRANUAR
GRADE 1 REQUIRED

REMOVING INLETS

27" CONC

18" CONC
18" CMCP

LOCATIONS SHOWN WITHOUT REMOVING PAVEMENT
HAD CONCRETE PAVEMENT REMOVED AS PART OF
THE 2016/2017 CITY UTILITY PROJECT (TYP.)

LEGEND - REMOVALS

- REMOVING ASPHALTIC SURFACE, MILLING
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB
- REMOVING CURB AND GUTTER
- ABANDONING STORM SEWER PIPE
- REMOVING STORM SEWER PIPE

PLUGGING ABANDONED STORM
SEWER PIPE END IS INCIDENTAL TO
REMOVING STORM SEWER PIPE

REMOVING MANHOLE
BACKFILL GRANULAR
GRADE 1 REQUIRED

REMOVING INLETS
BACKFILL GRANULAR
GRADE 1 REQUIRED

REMOVING MANHOLE

REMOVING MANHOLE
BACKFILL GRANULAR
GRADE 1 REQUIRED

ABANDONING
INLET

18" CMCP

12" CONC

12" CONC

12" CONC

12" CONC

BACKFILL GRANUAR
GRADE 1 REQUIRED

LOCATIONS SHOWN WITHOUT REMOVING PAVEMENT
HAD CONCRETE PAVEMENT REMOVED AS PART OF
THE 2016/2017 CITY UTILITY PROJECT (TYP.)

REMOVING INLETS

DO NOT DISTURB TREE OR SHRUBS

BACKFILL GRANUAR
GRADE 1 REQUIRED

36" CMCP

STA 11+30 - 13+30 LT
REMOVING ASPHALTIC SURFACE

1432 1356 1348 1441 1389 1373 1357 1349 1381 1288 1272 1264 1256 1317 1325 1333 1341 100

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN DETAILS: REMOVALS	SHEET 46	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021201_PD TO 021208_PD (REMOVALS).DWG
LAYOUT NAME - 021205_pd

PLOT DATE : 5/29/2019 9:56 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

PLUGGING ABANDONED STORM SEWER PIPE END IS INCIDENTAL TO REMOVING STORM SEWER PIPE

DO NOT DAMAGE LANDSCAPE WALL OR SPRINKLERS

ABANDONING MANHOLES

REMOVING INLET

REMOVING MANHOLES

REMOVING INLET

REMOVING INLET BACKFILL GRANULAR GRADE 1 REQUIRED

BACKFILL GRANUAR GRADE 1 REQUIRED

DO NOT DISTURB TREES OR SHRUBS

ABANDONING INLET

LOCATIONS SHOWN WITHOUT REMOVING PAVEMENT HAD CONCRETE PAVEMENT REMOVED AS PART OF THE 2016/2017 CITY UTILITY PROJECT (TYP.)

REMOVING INLET

BACKFILL GRANUAR GRADE 1 REQUIRED

REMOVING INLET

MATCH LINE STA. 179+00.00

MATCH LINE STA. 185+00.00

12" CONC

10" CONC

24" CONC

USH 141

MAIN ST.

SCHOOL ST.

ROCK RETAIN WALL

CANOPY

SIGN

INL

MH

WV

LEGEND - REMOVALS

- REMOVING ASPHALTIC SURFACE, MILLING
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB
- REMOVING CURB AND GUTTER
- ABANDONING STORM SEWER PIPE
- REMOVING STORM SEWER PIPE

LOCATIONS SHOWN WITHOUT REMOVING PAVEMENT HAD CONCRETE PAVEMENT REMOVED AS PART OF THE 2016/2017 CITY UTILITY PROJECT (TYP.)

MATCH LINE STA. 185+00.00

MATCH LINE STA. 191+00.00

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN DETAILS: REMOVALS	SHEET 47	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021201_PD TO 021208_PD (REMOVALS).DWG
LAYOUT NAME - 021206_pd

PLOT DATE : 5/29/2019 9:59 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

2

2

MATCH LINE STA. 191+00.00

MATCH LINE STA. 197+00.00

MATCH LINE STA. 197+00.00

MATCH LINE STA. 203+00.00

USH 141

USH 141

HILL ST.

TYLER RD.

STAGE 2 CONSTRUCTION

STAGE 1 CONSTRUCTION

LOCATIONS SHOWN WITHOUT REMOVING PAVEMENT HAD CONCRETE PAVEMENT REMOVED AS PART OF THE 2016/2017 CITY UTILITY PROJECT (TYP.)

REMOVING MANHOLE

24" HDPE

REMOVING 3.5' X 3.5' BOX CULVERT

REMOVING INLETS BACKFILL GRANULAR GRADE 1 REQUIRED

BACKFILL GRANUAR GRADE 1 REQUIRED

EXISTING MANHOLE TO REMAIN

REMOVING INLET

LEGEND - REMOVALS

- REMOVING ASPHALTIC SURFACE, MILLING
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB
- REMOVING CURB AND GUTTER
- ABANDONING STORM SEWER PIPE
- REMOVING STORM SEWER PIPE

REMOVING CONCRETE STEPS

LOCATIONS SHOWN WITHOUT REMOVING PAVEMENT HAD CONCRETE PAVEMENT REMOVED AS PART OF THE 2016/2017 CITY UTILITY PROJECT (TYP.)

PLUGGING ABANDONED STORM SEWER PIPE END IS INCIDENTAL TO REMOVING STORM SEWER PIPE

REMOVING MANHOLE BACKFILL GRANULAR GRADE 1 REQUIRED

15" CONC

36" CMCP

REMOVING INLETS BACKFILL GRANULAR GRADE 1 REQUIRED

REMOVING MANHOLE

11+00TY

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN DETAILS: REMOVALS	SHEET 48	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021201_PD TO 021208_PD (REMOVALS).DWG
LAYOUT NAME - 021207_pd

PLOT DATE : 5/29/2019 10:06 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LOCATIONS SHOWN WITHOUT REMOVING PAVEMENT
HAD CONCRETE PAVEMENT REMOVED AS PART OF
THE 2016/2017 CITY UTILITY PROJECT (TYP.)

ABANDONING
INLETS

ABANDONING
MANHOLE

VINE ST.

PLUGGING ABANDONED STORM
SEWER PIPE END IS INCIDENTAL
TO REMOVING STORM SEWER PIPE

BACKFILL GRANULAR
GRADE 1 REQUIRED

REMOVING INLET
BACKFILL GRANULAR
GRADE 1 REQUIRED

MATCH LINE STA. 203+00.00

ABANDONING
MANHOLE

REMOVING
INLET

204+00

STATUE AND FLAG POLE
REMOVE BY OTHERS

PLUGGING ABANDONED STORM
SEWER PIPE END IS INCIDENTAL TO
REMOVING STORM SEWER PIPE

REMOVING
MANHOLE

12" CONC

205+00

USH 141

206+00

BACKFILL
GRANULAR GRADE 1
REQUIRED

PLUGGING ABANDONED STORM
SEWER PIPE END IS INCIDENTAL
TO REMOVING STORM SEWER PIPE

36" CMCP

REMOVING
MANHOLE

MATCH LINE STA. 209+00.00

207+00

208+00

REMOVING
INLET

REMOVING MASONRY
(LANDSCAPING WALL AND STEPS)

705

881

N

708

700

46th ST.

604

INL

MH

210+00

211+00

USH 141

212+00

213+00

END PROJECT
STA. 209+79.35

LEGEND - REMOVALS

- REMOVING ASPHALTIC SURFACE, MILLING
- REMOVING ASPHALTIC SURFACE
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB
- REMOVING CURB AND GUTTER
- ABANDONING STORM SEWER PIPE
- REMOVING STORM SEWER PIPE

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN DETAILS: REMOVALS	SHEET 49	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021201_PD TO 021208_PD (REMOVALS).DWG
LAYOUT NAME - 021208_pd

PLOT DATE : 5/29/2019 10:16 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

2

2

MILL AND OVERLAY

CONCRETE BASE WITH 3.5" OVERLAY

30-INCH CURB AND GUTTER, TYPE D

BASE AGGREGATE DENSE, 3/4-INCH, 7' WIDE

121+12.60, -17.14' LT

120+82.42, -15.00' LT

BEGIN PROJECT
STA. 119+50.00
SAWCUT AND MATCH EXISTING PAV'T.

BASE AGGREGATE DENSE, 3/4-INCH, 7' WIDE

121+00.09, 15.01' RT

121+12.50, 16.97' RT

STA. 10+44'B'
SAWCUT AND MATCH EXISTING PAV'T.

CAUTION

CONCRETE CURB, TYPE D

123+97.00, -16.61' LT

ADJUSTING SANITARY MANHOLE COVER

123+97.00, 17.09' RT

ADJUSTING WATER VALVE BOX

STA. 10+34'T'
SAWCUT AND MATCH EXISTING PAV'T.

MATCH LINE STA. 125+00.00

MATCH LINE STA. 125+00.00

CURB RAMP REQ'D. SEE DETAIL SHEET

CONCRETE CURB ,TYPE D

CONCRETE CURB, TYPE D

CURB RAMP REQ'D. SEE DETAIL SHEET

STA. 9+58'G'
SAWCUT AND MATCH EXISTING PAV'T.

CURB RAMP REQ'D. SEE DETAIL SHEETS

ADJUSTING SANITARY MANHOLE COVER

ADJUSTING WATER VALVE BOX

CURB RAMP REQ'D. SEE DETAIL SHEETS

STA. 10+37'G'
SAWCUT AND MATCH EXISTING PAV'T.

CONCRETE BASE, 9-INCH BELOW THE 3 1/2-INCH HMA OVERLAY

CURB RAMP REQ'D. SEE DETAIL SHEETS

MATCH LINE STA. 131+00.00

MATCH LINE STA. 131+00.00

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN DETAILS: RESURFACE PROJECT DETAILS	SHEET 50	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021209_PD TO 021212_PD (MILL AND OVERLAY).DWG
LAYOUT NAME - 021209_pd

PLOT DATE : 4/15/2019 11:00 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

MATCH LINE STA. 131+00.00

MATCH LINE STA. 137+00.00

CARDIN ST.

STA. 9+66'CA'
SAWCUT AND MATCH
EXISTING PAV'T.

CURB RAMP REQ'D.
SEE DETAIL SHEETS

CONCRETE CURB, TYPE D

CONCRETE CURB,
TYPE D

ADJUSTING SANITARY
MANHOLE COVER

ADJUSTING WATER
VALVE BOX

STA. 10+38'CA'
SAWCUT AND MATCH
EXISTING PAV'T.

CAUTION

REMOVE AND REPLACE SANITARY
MANHOLE CASTING, ADJUSTING
RINGS AND COVER

USH 141

N51° 35' 56"W

MILL AND OVERLAY

CONCRETE BASE WITH 3.5" OVERLAY

30-INCH CURB AND GUTTER, TYPE D

LEDGE ST.

STA. 9+60'L'
SAWCUT AND MATCH
EXISTING PAV'T.

CURB RAMP REQ'D. SEE DETAIL SHEETS

CONCRETE CURB,
TYPE D

REMOVE AND REPLACE SANITARY
MANHOLE CASTING, ADJUSTING
RINGS AND COVER

ADJUSTING WATER
VALVE BOX

CURB RAMP REQ'D.
SEE DETAIL SHEETS

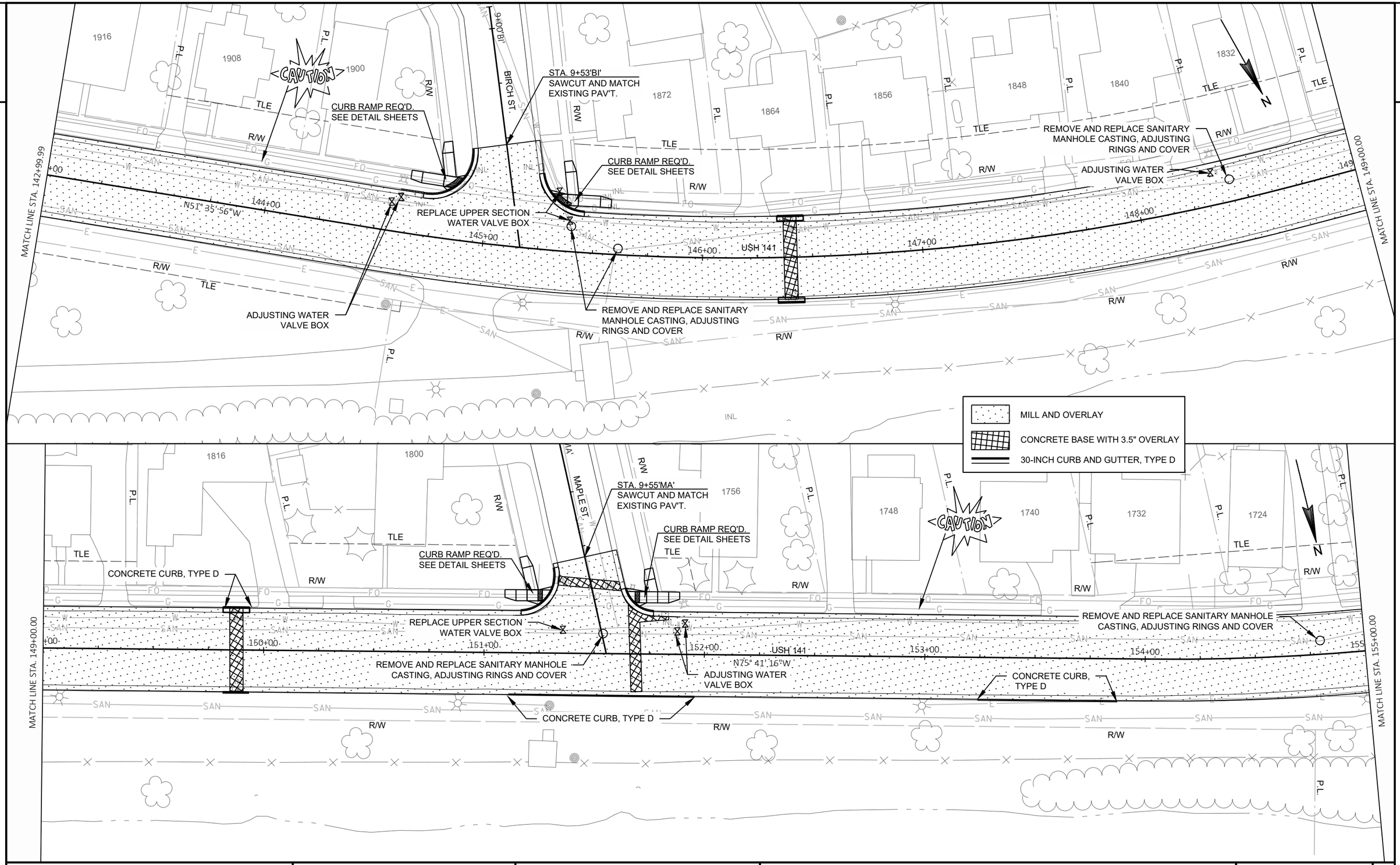
REMOVE AND REPLACE SANITARY
MANHOLE CASTING, ADJUSTING
RINGS AND COVER

MATCH LINE STA. 137+00.00

MATCH LINE STA. 142+99.99

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN DETAILS: RESURFACE PROJECT DETAILS	SHEET 51	E

2



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN DETAILS: RESURFACE PROJECT DETAILS	SHEET 52	E

2

STA. 9+56'H'
SAWCUT AND MATCH
EXISTING PAV'T.

HEMLOCK ST.

REPLACE UPPER SECTION
WATER VALVE BOX

CURB RAMP REQ'D.
SEE DETAIL SHEETS

CURB RAMP REQ'D.
SEE DETAIL SHEETS

CAUTION

ADJUSTING WATER
VALVE BOX

CONCRETE CURB, TYPE D

CONCRETE CURB, TYPE D

REPLACE UPPER SECTION
WATER VALVE BOX

MATCH LINE STA. 155+00.00

MATCH LINE STA. 161+00.00

USH 141

N89° 00' 11"W

CONCRETE BASE 9-INCH BELOW
THE 3 1/2-INCH HMA OVERLAY

REMOVE AND REPLACE SANITARY MANHOLE
CASTING, ADJUSTING RINGS AND COVER

REMOVE AND REPLACE SANITARY MANHOLE
CASTING, ADJUSTING RINGS AND COVER

ADJUSTING WATER
VALVE BOX

N

REMOVE AND REPLACE SANITARY
MANHOLE CASTING, ADJUSTING
RINGS AND COVER

CONCRETE CURB, TYPE D

CONCRETE CURB, TYPE D

CONCRETE CURB, TYPE D

MATCH LINE STA. 161+00.00

TRANSITION STA 163+50 - STA 164+00

- PLACE BASE AGGREGATE DENSE 1 14-INCH AT A VARIABLE DEPTH
- PLACE 8 3/4-INCH HMA TO TRANSITION THE EXISTING PROFILE TO THE RECONSTRUCTION PROFILE.
- PLACE 30-INCH CURB AND GUTTER, TYPE D

END PROJECT 9560-02-75

BEGIN PROJECT 9560-02-74
STA. 164+00.00

MILL AND OVERLAY

CONCRETE BASE WITH 3.5" OVERLAY

30-INCH CURB AND GUTTER, TYPE D

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN DETAILS: RESURFACE PROJECT DETAILS	SHEET 53	E

USH 141

STATION	CROSS SLOPES SB (LEFT SIDE) THRU LANE	CROSS SLOPES NB (RIGHT SIDE) THRU LANE	COMMENTS
164+00	1.20%	-4.00%	MATCHING INTO EXISTING
164+60	3.60%	-4.00%	
166+00	3.60%	-4.00%	
166+87	3.60%	-3.60%	
167+50	3.00%	-3.00%	
174+85	3.00%	-3.00%	
175+40	3.00%	-2.00%	
175+95	3.00%	-1.00%	
176+50	0.00%	-1.00%	
177+05	-2.00%	-1.00%	
177+60	-2.00%	-2.00%	
186+49	-2.00%	-2.00%	
187+04	-3.00%	-2.00%	
191+50	-3.00%	-2.00%	
192+05	-2.00%	-2.00%	
192+91	-2.00%	-2.00%	
193+27	0.00%	-2.00%	
193+63	2.00%	-2.00%	
195+03	2.00%	-2.00%	
195+39	0.00%	-2.00%	
195+75	-2.00%	-2.00%	
199+00	-2.00%	-2.00%	
200+00	-1.00%	-2.00%	
200+75	-1.00%	-2.00%	
201+11	0.00%	-2.00%	
201+47	2.00%	-2.00%	
202+33	2.00%	-2.00%	
202+69	0.00%	-2.00%	
203+05	-2.00%	-2.00%	
205+98	-2.00%	-2.00%	
206+34	-2.00%	0.00%	
206+70	-2.00%	2.00%	
209+07	-2.00%	2.00%	
209+43	-2.00%	0.00%	
209+79.35	-2.00%	-2.00%	MATCHING INTO EXISTING

PINE STREET

STATION	CROSS SLOPES SB (LEFT SIDE) THRU LANE	CROSS SLOPES NB (RIGHT SIDE) THRU LANE	COMMENTS
9+50	-2.00%	-4.00%	MATCHING INTO EXISTING
9+80	-1.00%	-2.50%	
10+00	0.00%	-1.11%	
10+20	0.00%	-1.11%	
10+60	-0.40%	-2.00%	MATCHING INTO EXISTING

BROOK STREET

STATION	CROSS SLOPES SB (LEFT SIDE) THRU LANE	CROSS SLOPES NB (RIGHT SIDE) THRU LANE	COMMENTS
9+63	-4.60%	0.20%	MATCHING INTO EXISTING
9+80	-2.49%	2.49%	
9+90	-2.49%	2.49%	

CLARK STREET

STATION	CROSS SLOPES SB (LEFT SIDE) THRU LANE	CROSS SLOPES NB (RIGHT SIDE) THRU LANE	COMMENTS
10+10	0.00%	0.00%	
10+20	0.00%	0.00%	
10+50	-1.00%	-2.00%	MATCHING INTO EXISTING

Main Street			
	CROSS SLOPES		
	SB (LEFT SIDE)	NB (RIGHT SIDE)	
STATION	THRU LANE	THRU LANE	COMMENTS
10+10	1.48%	-1.48%	
10+20	1.48%	-1.48%	
10+75	-1.50%	-2.50%	
11+25	-0.30%	-1.60%	MATCHING INTO EXISTING

School Street			
	CROSS SLOPES		
	SB (LEFT SIDE)	NB (RIGHT SIDE)	
STATION	THRU LANE	THRU LANE	COMMENTS
9+50	0.50%	-3.00%	MATCHING INTO EXISTING
9+80	2.48%	-2.48%	
9+90	2.48%	-2.48%	

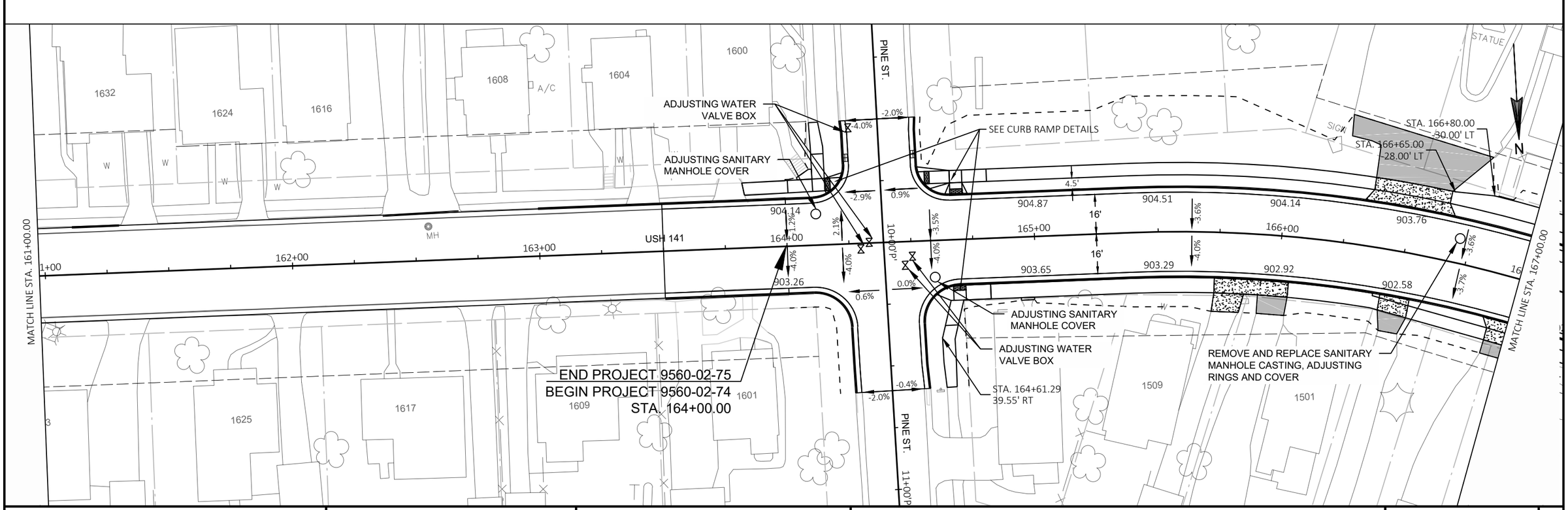
HILL STREET			
	CROSS SLOPES		
	SB (LEFT SIDE)	NB (RIGHT SIDE)	
STATION	THRU LANE	THRU LANE	COMMENTS
9+50	-0.30%	-3.50%	MATCHING INTO EXISTING
9+80	1.48%	-1.48%	
9+90	1.48%	-1.48%	

TYLER ROAD			
	CROSS SLOPES		
	SB (LEFT SIDE)	NB (RIGHT SIDE)	
STATION	THRU LANE	THRU LANE	COMMENTS
10+10	4.16%	-4.16%	
10+20	4.16%	-4.16%	
10+75	2.50%	-6.00%	MATCHING INTO EXISTING

VINE STREET			
	CROSS SLOPES		
	SB (LEFT SIDE)	NB (RIGHT SIDE)	
STATION	THRU LANE	THRU LANE	COMMENTS
8+50	-2.80%	-2.60%	MATCHING INTO EXISTING
9+80	4.16%	-4.16%	
9+90	4.16%	-4.16%	

2

2



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	LAYOUT DETAIL: USH 141	SHEET 56	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021213_PD TO 021217_PD (PAVEMENT GRADES).DWG
LAYOUT NAME - 021215_pd

PLOT DATE : 4/15/2019 11:30 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

ADJUSTING WATER VALVE BOX

SEE CURB RAMP DETAILS

BROOK ST.

ADJUSTING SANITARY MANHOLE COVER

ADJUSTING SANITARY MANHOLE COVER

MATCH LINE STA. 167+00.00

MATCH LINE STA. 173+00.00

USH 141

ADJUSTING WATER VALVE BOX

STA. 169+94.78
22.50' RT

STA. 170+30.92
25.00' RT

ADJUSTING SANITARY MANHOLE COVER

STA. 175+10.00
-29.00' LT

STA. 174+75.00
-24.50' LT

ADJUSTING SANITARY MANHOLE COVER (BOLTED DOWN)

SEE CURB RAMP DETAILS

ADJUSTING WATER VALVE BOX

MATCH LINE STA. 173+00.00

MATCH LINE STA. 179+00.00

USH 141

ADJUSTING WATER VALVE BOX

STA. 175+20.00
23.32' RT

ADJUSTING WATER VALVE BOX

STA. 173+55.00
25.00' RT

ADJUSTING SANITARY MANHOLE COVER (BOLTED DOWN)

SEE CURB RAMP DETAILS

CLARK ST.

STA. 176+95.00
29.00' RT

STA. 177+23.00
16.00' RT

STA. 177+15.00
26.50' RT

STA. 177+07.00
20.00' RT

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	LAYOUT DETAILS: USH 141	SHEET 57	E

2

2

ADJUSTING SANITARY MANHOLE COVER (BOLTED DOWN)

MATCH LINE STA. 179+00.00

MATCH LINE STA. 185+00.00

STA. 179+69.00 16.00' RT

STA. 179+73.00 20.00' RT

STA. 179+81.00 16.00' RT

STA. 179+77.00 20.00' RT

ADJUSTING SANITARY MANHOLE COVER (BOLTED DOWN)

STA. 182+25.00 26.50' RT

STA. 182+45.00 30.00' RT

ADJUSTING WATER VALVE BOX

SEE CURB RAMP DETAILS

ADJUSTING WATER VALVE BOX

STA. 184+83.25 -29.00' LT

STA. 184+62.73 -28.00' LT

STA. 184+73.27 -28.00' LT

STA. 184+52.75 -29.00' LT

SEE CURB RAMP DETAILS

CONCRETE TERRACE STA 184+25 TO 196+50

ADJUSTING SANITARY MANHOLE COVER

MAIN ST.

SCHOOL ST.

SEE CURB RAMP DETAILS

ADJUSTING WATER VALVE BOX

ADJUSTING SANITARY MANHOLE COVER

ADJUSTING SANITARY MANHOLE COVER

ADJUSTING WATER VALVE BOX

ADJUSTING SANITARY MANHOLE COVER

SEE CURB RAMP DETAILS

ADJUSTING WATER VALVE BOX

CONCRETE TERRACE STA 184+25 TO 196+50

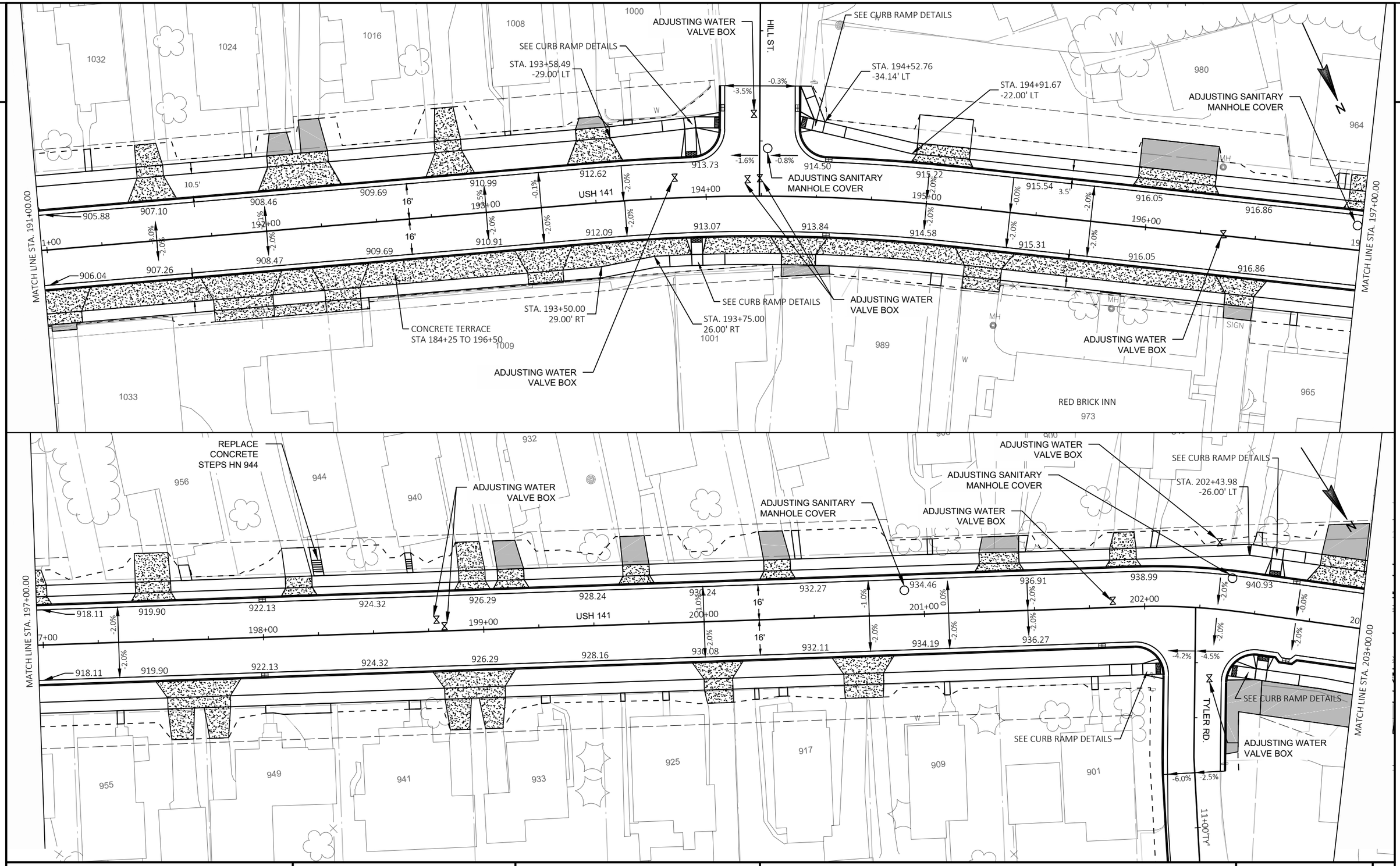
ADJUSTING WATER VALVE BOX

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	LAYOUT DETAIL: USH 141	SHEET 58	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021213_PD TO 021217_PD (PAVEMENT GRADES).DWG
LAYOUT NAME - 021217_pd

PLOT DATE : 4/15/2019 11:37 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	LAYOUT DETAIL: USH 141	SHEET 59	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021213_PD TO 021217_PD (PAVEMENT GRADES).DWG
LAYOUT NAME - 021218_pd
PLOT DATE : 4/30/2019 12:40 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

ADJUSTING SANITARY MANHOLE COVER

ADJUSTING SANITARY MANHOLE COVER

STA. 204+39.39
-56.00' LT

STA. 204+09.39
-26.00' LT

R=25'

VINE ST.

2.6%

2.8%

ADJUSTING WATER VALVE BOX

705

SIGN

N

MATCH LINE STA. 203+00.00

942.49

944.60

946.68

942.47

944.60

946.68

948.77

950.85

952.91

954.69

954.68

956.04

957.02

957.66

959.78

957.91

958.79

960.42

959.43

958.55

203+00

204+00

205+00

206+00

207+00

208+00

209+00

-2.0%

-4.5%

-4.3%

0.0%

16'

USH 141

MATCH LINE STA. 209+00.00

STATUE

881

ADJUSTING WATER VALVE BOX

STA. 204+71.00
16.08' RT

STA. 204+73.00
18.08' RT

STA. 204+79.00
16.08' RT

STA. 204+77.00
18.08' RT

ADJUSTING SANITARY MANHOLE COVER

STA. 206+05.00
26.00' RT

STA. 206+75.00
22.50' RT

STA. 207+21.20
16.08' RT

STA. 207+23.10
18.08' RT

STA. 207+26.86
18.08' RT

STA. 207+28.76
16.08' RT

W

708

700

4TH ST.

604

INL

MH

961.01

962.24

963.00

961.63

962.50

963.00

210+00

211+00

212+00

213+00

END PROJECT
STA. 209+79.35
SAWCUT AND MATCH
EXISTING PAV'T.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	LAYOUT DETAIL: USH 141	SHEET 60	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\021213_PD TO 021217_PD (PAVEMENT GRADES).DWG
LAYOUT NAME - 021219_pd

PLOT DATE : 4/15/2019 11:46 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

2

2232

N

MH

119+00

RESURFACE PROJECT

120+00

121+00

USH 141

122+00

123+00

124+00

125

MATCH LINE STA. 125+00.00

BEGIN PROJECT
STA. 119+50.00
SAWCUT AND MATCH EXISTING PAV'T.

SIGN

TUTAS ST.

BETTERS CT.

GOODREAU ST.

2224

2216

W

W

LEGEND

INLET PROTECTION, TYPE Ⓐ Ⓒ Ⓓ

SILT FENCE

SURFACE WATER FLOW

TURBIDITY BARRIER

EROSION MAT URBAN CLASS I, TYPE A

NOTE:
PLACE INLET PROTECTION TYPE A PRIOR TO CURB AND GUTTER PLACEMENT.

PLACE INLET PROTECTION TYPE C AT FIRST AFTER CURB AND GUTTER HAS BEEN PLACED AND AT DOWNSTREAM INLETS ON SIDEROADS IF SIDEROAD SLOPES AWAY FROM PROJECT LIMITS.

PLACE INLET PROTECTION TYPE D AFTER CURB AND GUTTER HAS BEEN PLACED AND LOW POINTS OF INLETS ARE PRESENT DUE TO VERTICAL PROFILE OR CROSS SLOPE EXIST.

N

MATCH LINE STA. 125+00.00

126+00

127+00

10+00 G

128+00

USH 141

129+00

130+00

131

MATCH LINE STA. 131+00.00

MH

INLET

A C

GOODREAU ST.

11+00 G

2225

2217

2209

2201

2133

2125

2117

2109

A/C

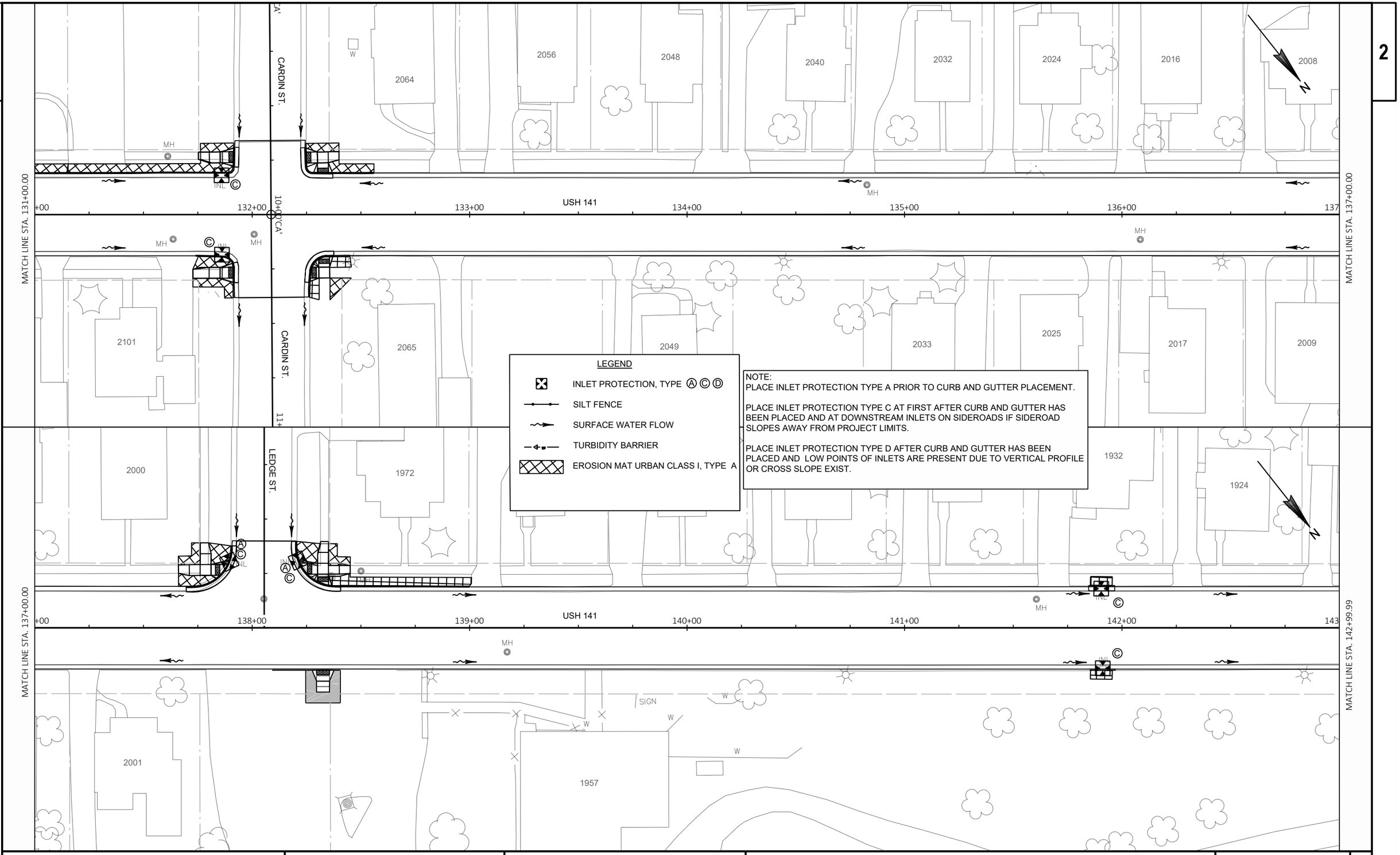
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EROSION CONTROL	SHEET 61	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022001_EC TO 022008_EC.DWG
LAYOUT NAME - 022001_ec

PLOT DATE : 4/15/2019 11:51 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



LEGEND

- INLET PROTECTION, TYPE Ⓐ Ⓒ Ⓓ
- SILT FENCE
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- EROSION MAT URBAN CLASS I, TYPE A

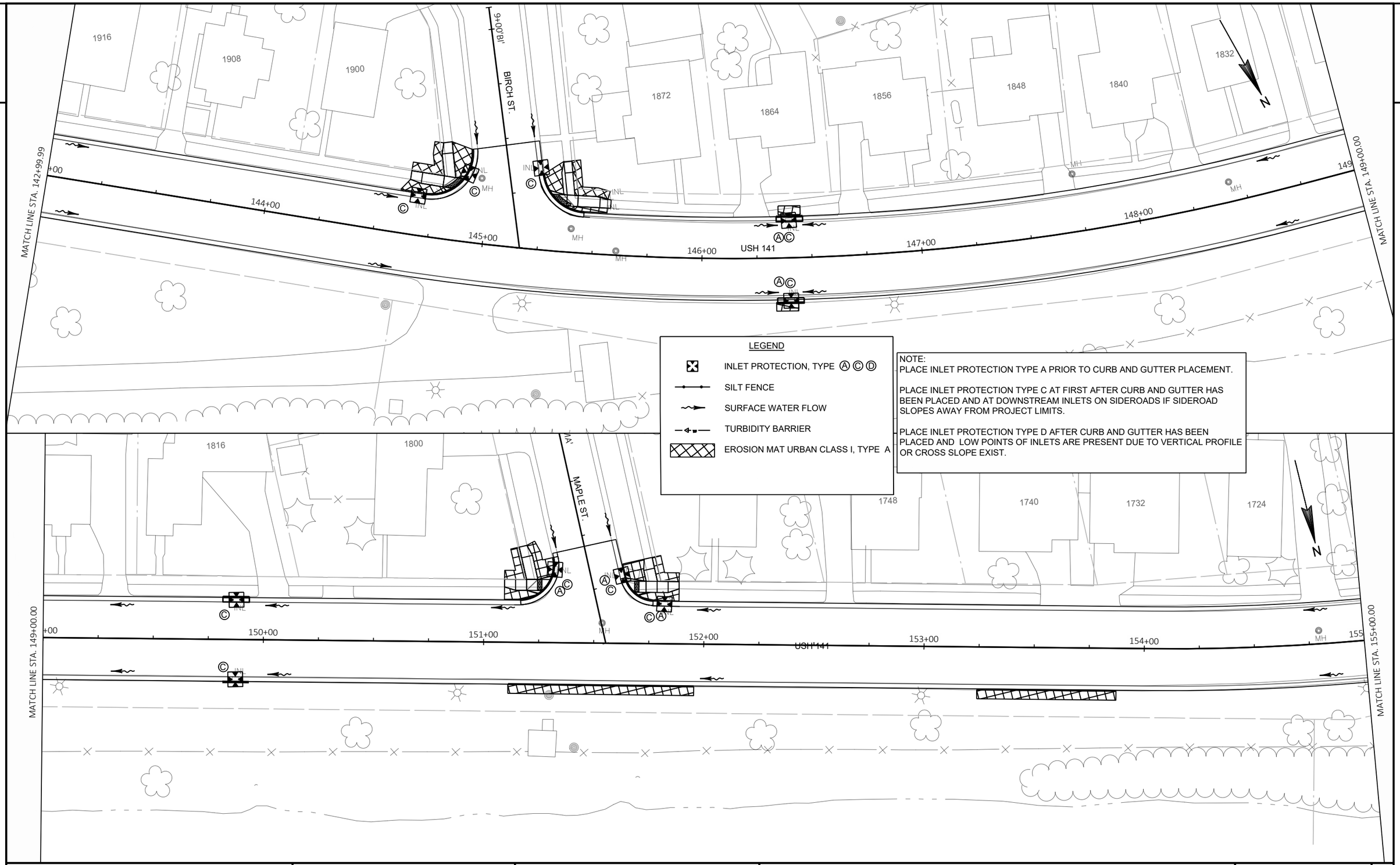
NOTE:
PLACE INLET PROTECTION TYPE A PRIOR TO CURB AND GUTTER PLACEMENT.

PLACE INLET PROTECTION TYPE C AT FIRST AFTER CURB AND GUTTER HAS BEEN PLACED AND AT DOWNSTREAM INLETS ON SIDEROADS IF SIDEROAD SLOPES AWAY FROM PROJECT LIMITS.

PLACE INLET PROTECTION TYPE D AFTER CURB AND GUTTER HAS BEEN PLACED AND LOW POINTS OF INLETS ARE PRESENT DUE TO VERTICAL PROFILE OR CROSS SLOPE EXIST.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EROSION CONTROL	SHEET 62	E

2



LEGEND

- INLET PROTECTION, TYPE Ⓐ Ⓒ Ⓓ
- SILT FENCE
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- EROSION MAT URBAN CLASS I, TYPE A

NOTE:
PLACE INLET PROTECTION TYPE A PRIOR TO CURB AND GUTTER PLACEMENT.

PLACE INLET PROTECTION TYPE C AT FIRST AFTER CURB AND GUTTER HAS BEEN PLACED AND AT DOWNSTREAM INLETS ON SIDEROADS IF SIDEROAD SLOPES AWAY FROM PROJECT LIMITS.

PLACE INLET PROTECTION TYPE D AFTER CURB AND GUTTER HAS BEEN PLACED AND LOW POINTS OF INLETS ARE PRESENT DUE TO VERTICAL PROFILE OR CROSS SLOPE EXIST.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EROSION CONTROL	SHEET 63	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022001_EC TO 022008_EC.DWG
LAYOUT NAME - 022003_ec
PLOT DATE : 4/15/2019 11:54 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

LEGEND

- INLET PROTECTION, TYPE Ⓐ Ⓒ Ⓓ
- SILT FENCE
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- EROSION MAT URBAN CLASS I, TYPE A

NOTE:
PLACE INLET PROTECTION TYPE A PRIOR TO CURB AND GUTTER PLACEMENT.

PLACE INLET PROTECTION TYPE C AT FIRST AFTER CURB AND GUTTER HAS BEEN PLACED AND AT DOWNSTREAM INLETS ON SIDEROADS IF SIDEROAD SLOPES AWAY FROM PROJECT LIMITS.

PLACE INLET PROTECTION TYPE D AFTER CURB AND GUTTER HAS BEEN PLACED AND LOW POINTS OF INLETS ARE PRESENT DUE TO VERTICAL PROFILE OR CROSS SLOPE EXIST.

HEMLOCK ST.

USH 141

PINE ST.

MATCH LINE STA. 155+00.00

MATCH LINE STA. 161+00.00

MATCH LINE STA. 161+00.00

MATCH LINE STA. 167+00.00

BEGIN PROJECT 9560-02-74
END PROJECT 9560-02-75
STA. 164+00

SLOPE INTERCEPTS

SLOPE INTERCEPTS

SLOPE INTERCEPTS

SLOPE INTERCEPTS

1716 1708 1700 1672 1664 1656 1648 1701 1665 1657 1649 1641 1633 1632 1625 1617 1609 1601 1517 1509 1501

156+00 157+00 158+00 159+00 160+00 162+00 163+00 164+00 165+00 166+00

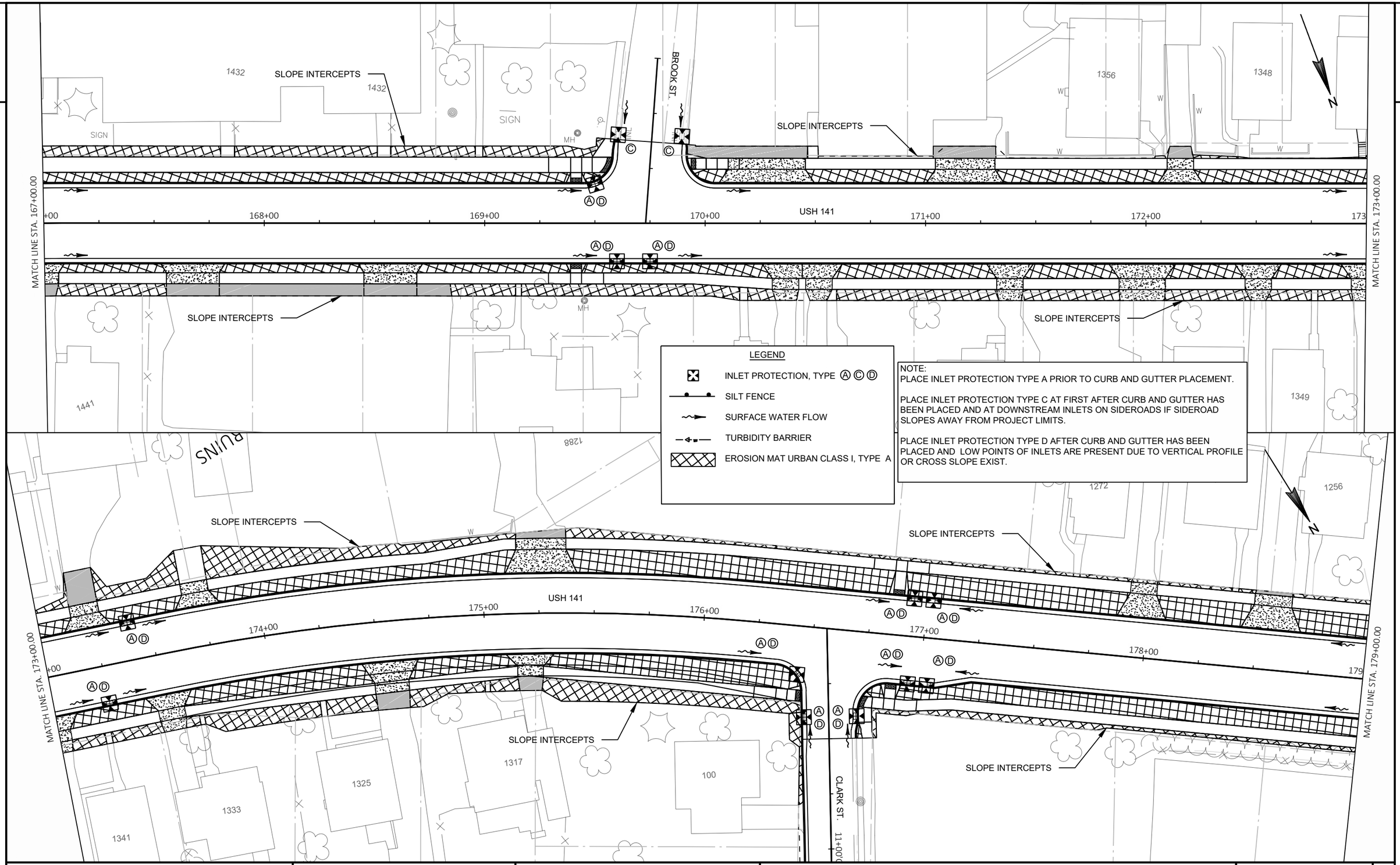
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EROSION CONTROL	SHEET 64	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022001_EC TO 022008_EC.DWG
LAYOUT NAME - 022004_ec

PLOT DATE : 4/15/2019 1:03 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



LEGEND

- INLET PROTECTION, TYPE Ⓐ Ⓒ Ⓓ
- SILT FENCE
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- EROSION MAT URBAN CLASS I, TYPE A

NOTE:
PLACE INLET PROTECTION TYPE A PRIOR TO CURB AND GUTTER PLACEMENT.

PLACE INLET PROTECTION TYPE C AT FIRST AFTER CURB AND GUTTER HAS BEEN PLACED AND AT DOWNSTREAM INLETS ON SIDEROADS IF SIDEROAD SLOPES AWAY FROM PROJECT LIMITS.

PLACE INLET PROTECTION TYPE D AFTER CURB AND GUTTER HAS BEEN PLACED AND LOW POINTS OF INLETS ARE PRESENT DUE TO VERTICAL PROFILE OR CROSS SLOPE EXIST.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EROSION CONTROL	SHEET 65	E

2

2

MATCH LINE STA. 179+00.00

MATCH LINE STA. 185+00.00

SLOPE INTERCEPTS

SLOPE INTERCEPTS

SLOPE INTERCEPTS

SLOPE INTERCEPTS

SLOPE INTERCEPTS

SLOPE INTERCEPTS

SLOPE INTERCEPTS

USH 141

MAIN ST.

SCHOOL ST.

MATCH LINE STA. 185+00.00

MATCH LINE STA. 191+00.00

INL

SIGN

CANOPY

ROCK RETAIN WALL

1248

1244

1220

1056

1048

1040

1065

1081

1047

1117

N

LEGEND

- INLET PROTECTION, TYPE Ⓐ Ⓒ Ⓓ
- SILT FENCE
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- EROSION MAT URBAN CLASS I, TYPE A

NOTE:
PLACE INLET PROTECTION TYPE A PRIOR TO CURB AND GUTTER PLACEMENT.

PLACE INLET PROTECTION TYPE C AT FIRST AFTER CURB AND GUTTER HAS BEEN PLACED AND AT DOWNSTREAM INLETS ON SIDEROADS IF SIDEROAD SLOPES AWAY FROM PROJECT LIMITS.

PLACE INLET PROTECTION TYPE D AFTER CURB AND GUTTER HAS BEEN PLACED AND LOW POINTS OF INLETS ARE PRESENT DUE TO VERTICAL PROFILE OR CROSS SLOPE EXIST.

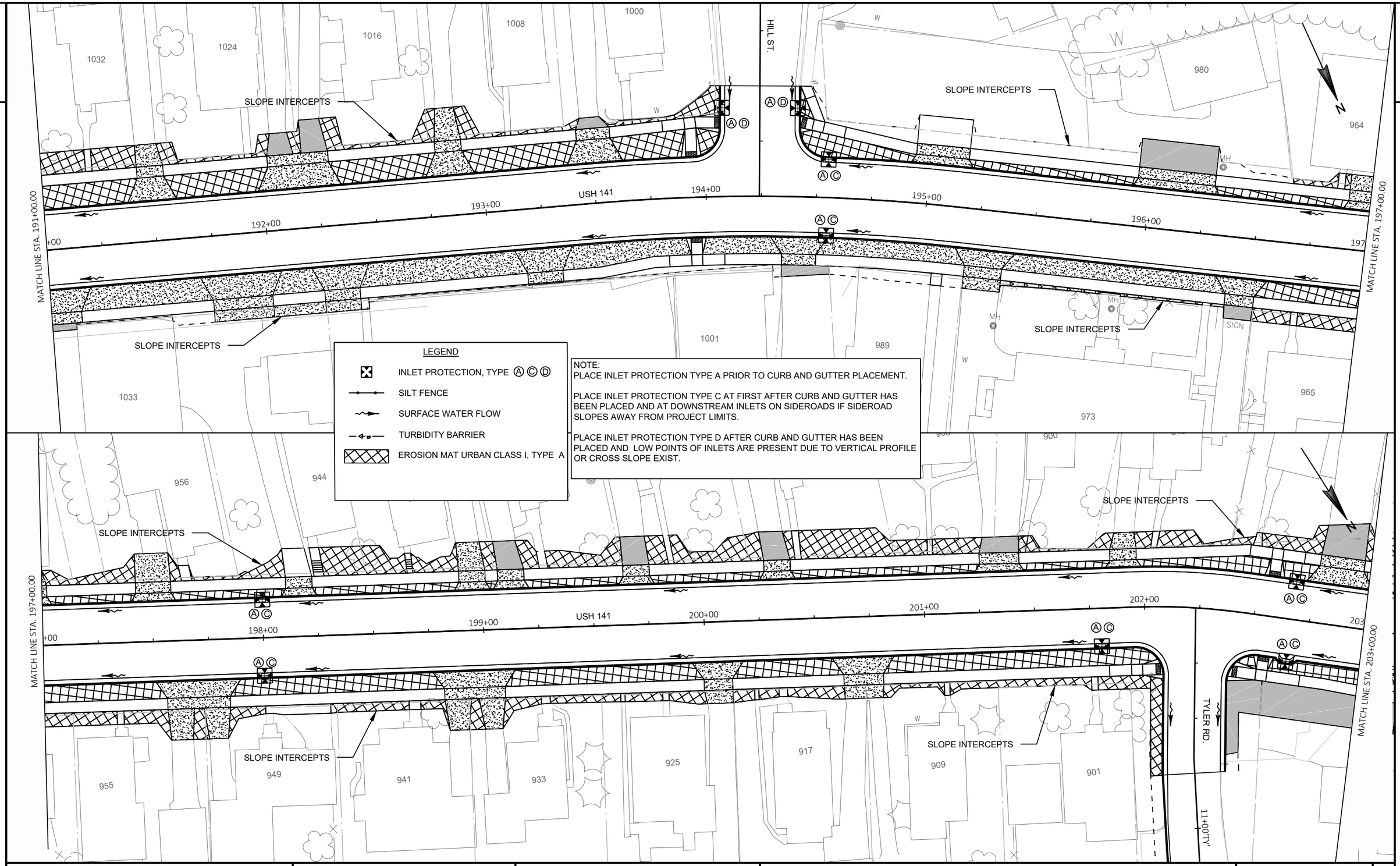
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EROSION CONTROL	SHEET 66	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022001_EC TO 022008_EC.DWG
LAYOUT NAME - 022006_ec

PLOT DATE : 4/15/2019 1:07 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



LEGEND

- INLET PROTECTION, TYPE Ⓐ Ⓒ Ⓓ
- SILT FENCE
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- EROSION MAT URBAN CLASS I, TYPE A

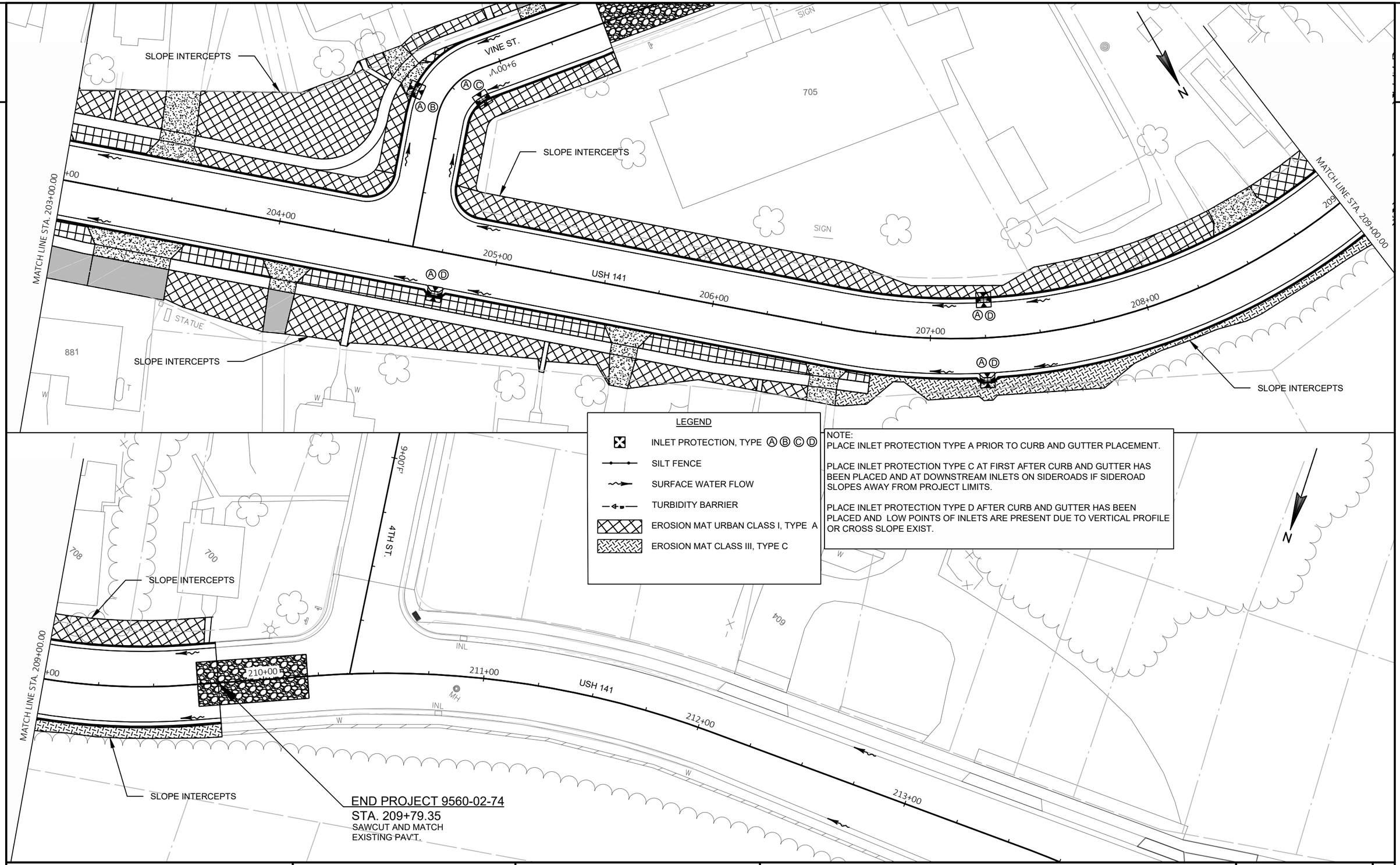
NOTE:
PLACE INLET PROTECTION TYPE A PRIOR TO CURB AND GUTTER PLACEMENT.

PLACE INLET PROTECTION TYPE C AT FIRST AFTER CURB AND GUTTER HAS BEEN PLACED AND AT DOWNSTREAM INLETS ON SIDEROADS IF SIDEROAD SLOPES AWAY FROM PROJECT LIMITS.

PLACE INLET PROTECTION TYPE D AFTER CURB AND GUTTER HAS BEEN PLACED AND LOW POINTS OF INLETS ARE PRESENT DUE TO VERTICAL PROFILE OR CROSS SLOPE EXIST.

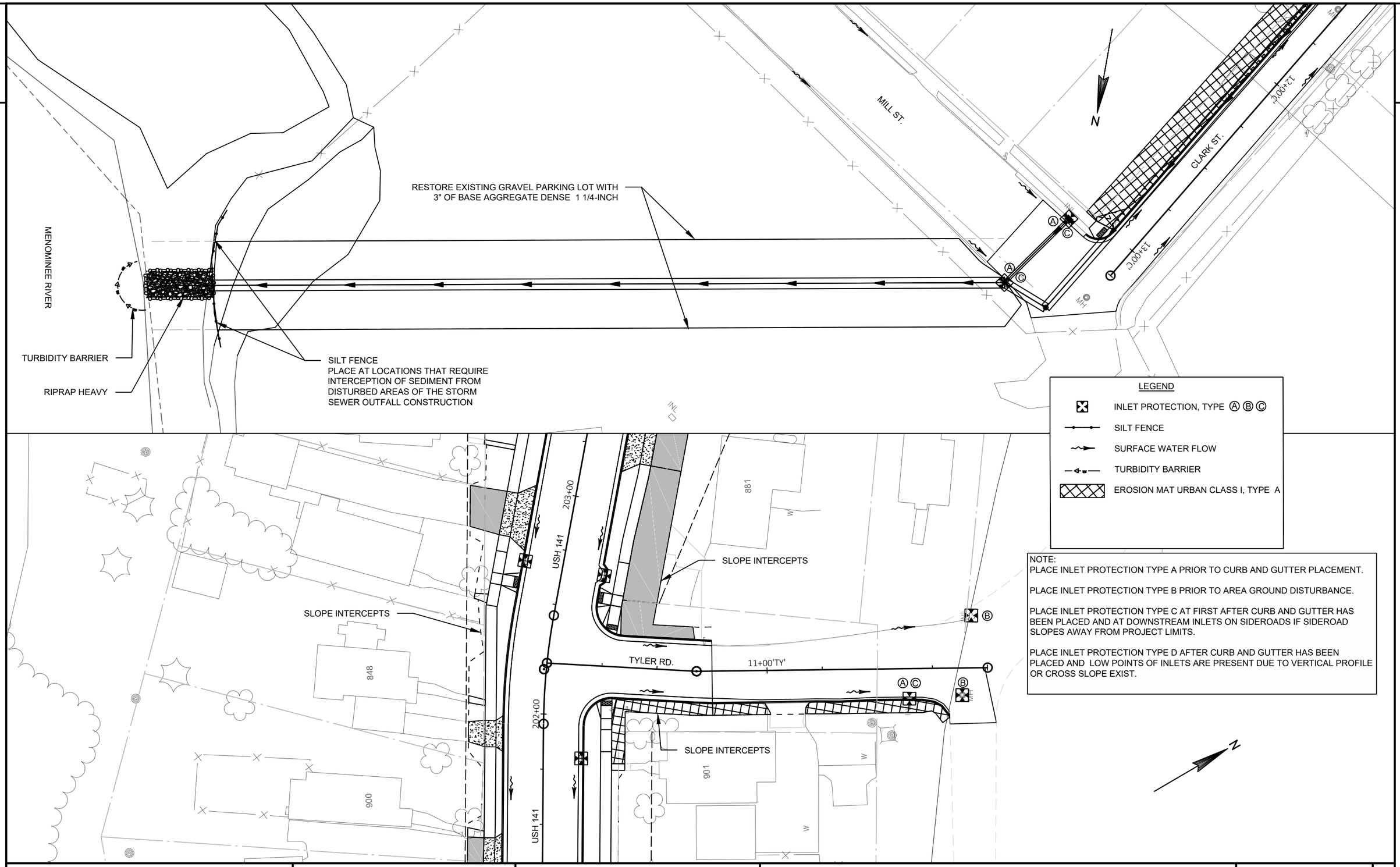
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EROSION CONTROL	SHEET 67	E

2



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EROSION CONTROL	SHEET 68	E

2



LEGEND

- INLET PROTECTION, TYPE Ⓐ Ⓑ Ⓒ
- SILT FENCE
- SURFACE WATER FLOW
- TURBIDITY BARRIER
- EROSION MAT URBAN CLASS I, TYPE A

NOTE:
PLACE INLET PROTECTION TYPE A PRIOR TO CURB AND GUTTER PLACEMENT.

PLACE INLET PROTECTION TYPE B PRIOR TO AREA GROUND DISTURBANCE.

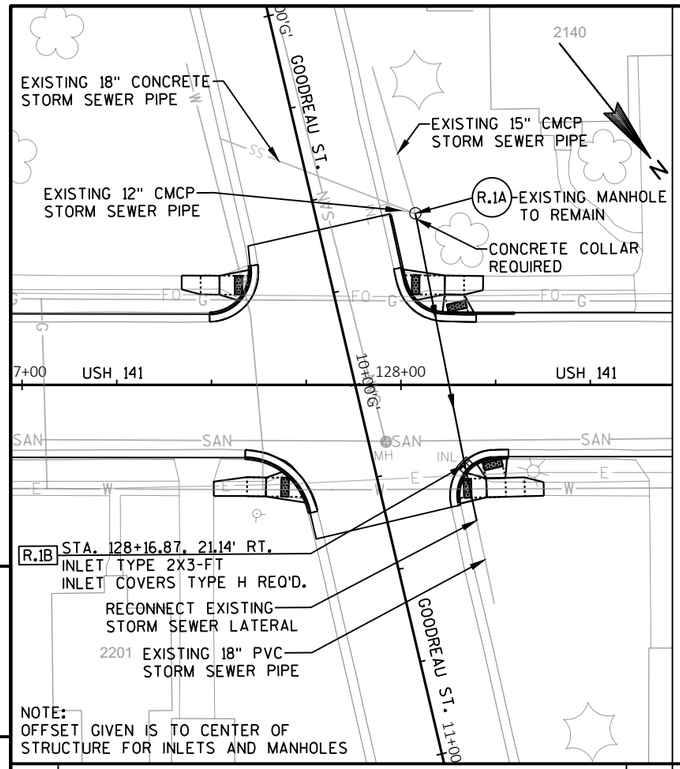
PLACE INLET PROTECTION TYPE C AT FIRST AFTER CURB AND GUTTER HAS BEEN PLACED AND AT DOWNSTREAM INLETS ON SIDEROADS IF SIDEROAD SLOPES AWAY FROM PROJECT LIMITS.

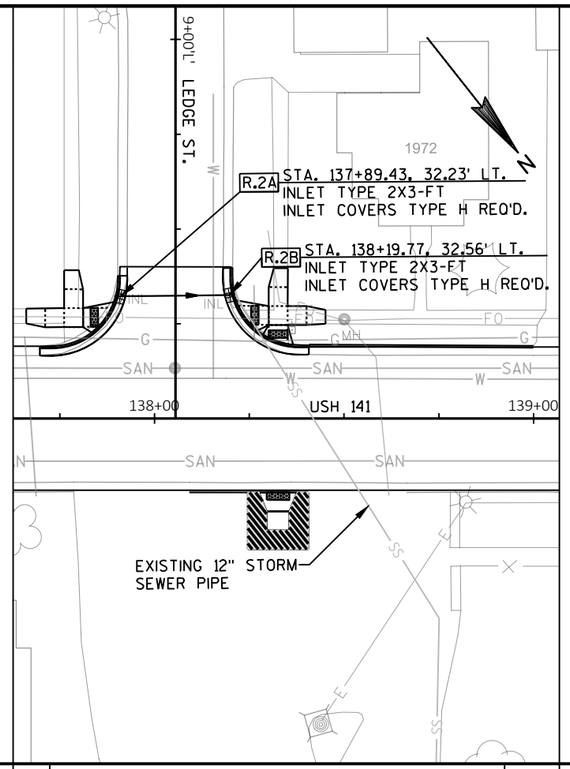
PLACE INLET PROTECTION TYPE D AFTER CURB AND GUTTER HAS BEEN PLACED AND LOW POINTS OF INLETS ARE PRESENT DUE TO VERTICAL PROFILE OR CROSS SLOPE EXIST.

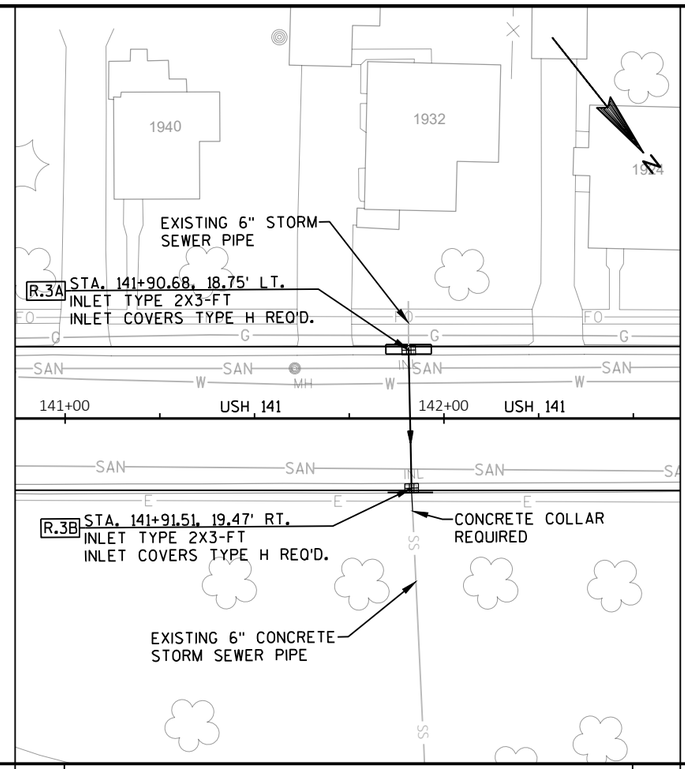
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EROSION CONTROL	SHEET 69	E

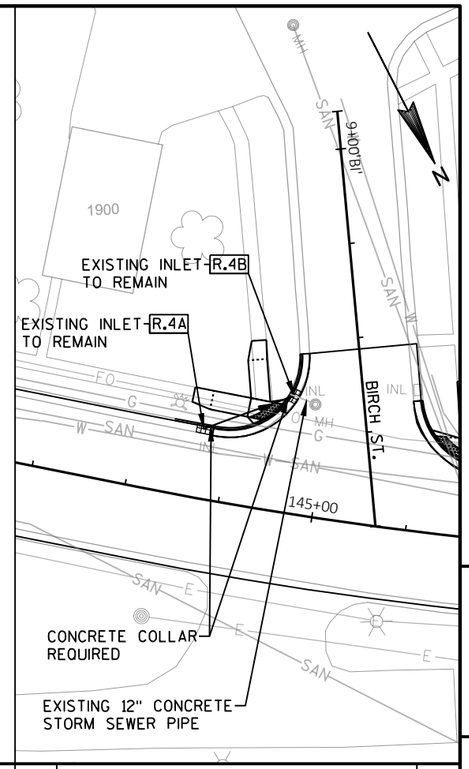
FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022009_EC.DWG
LAYOUT NAME - 022009_ec

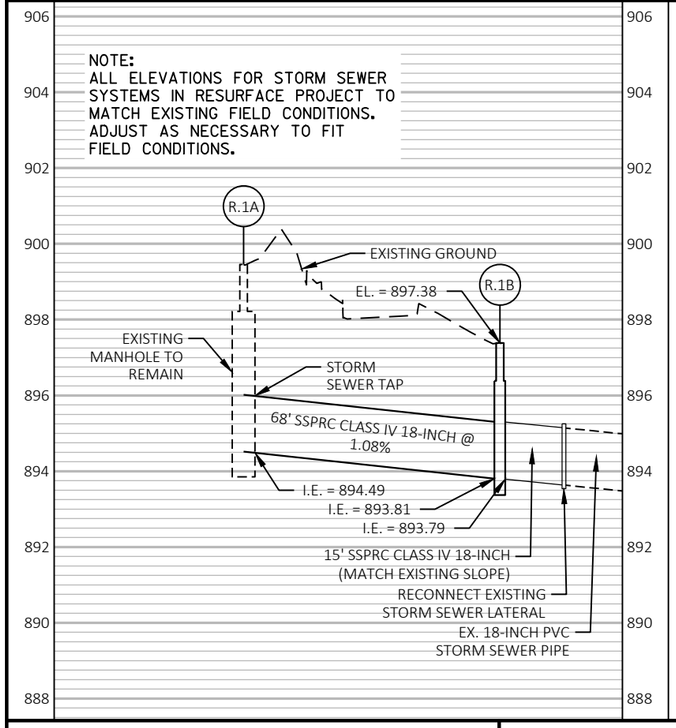
PLOT DATE : 4/15/2019 1:28 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

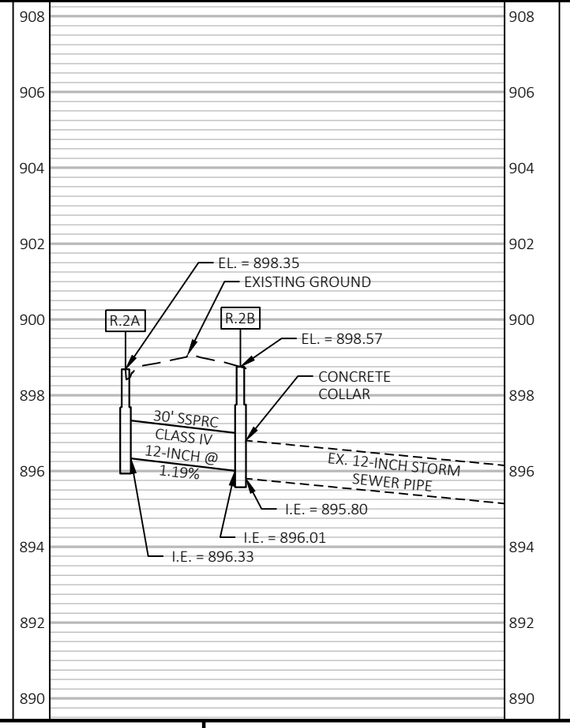


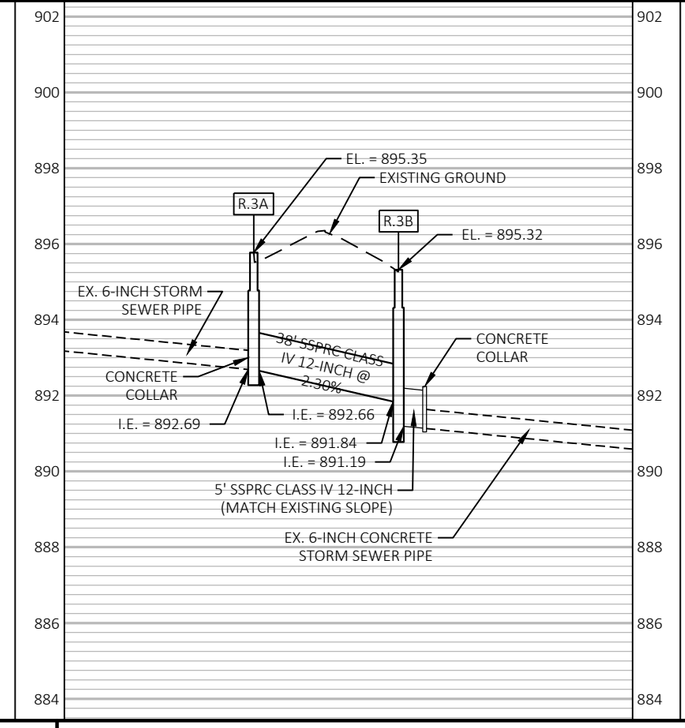


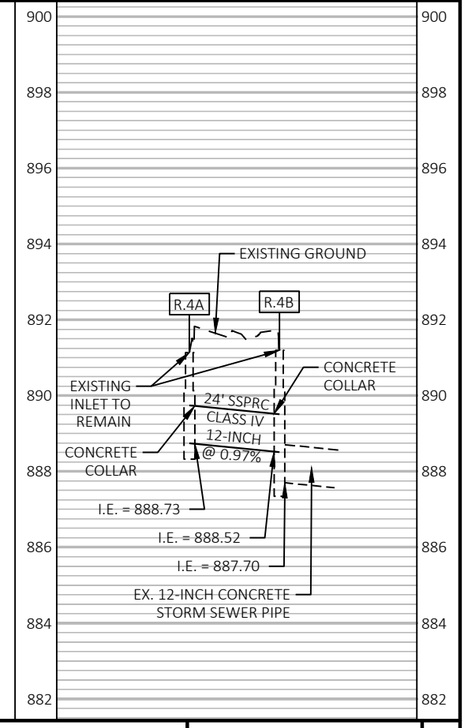




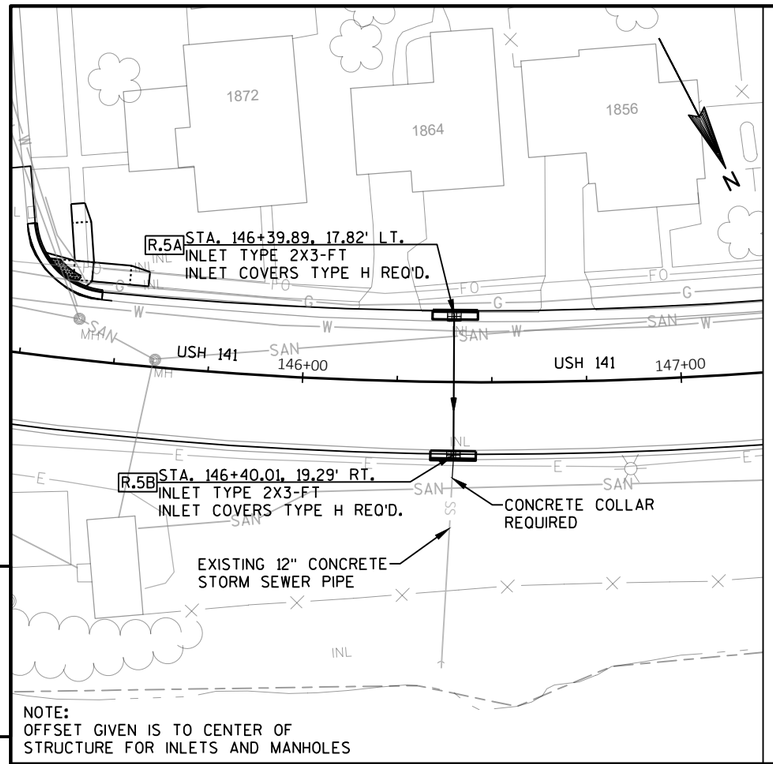


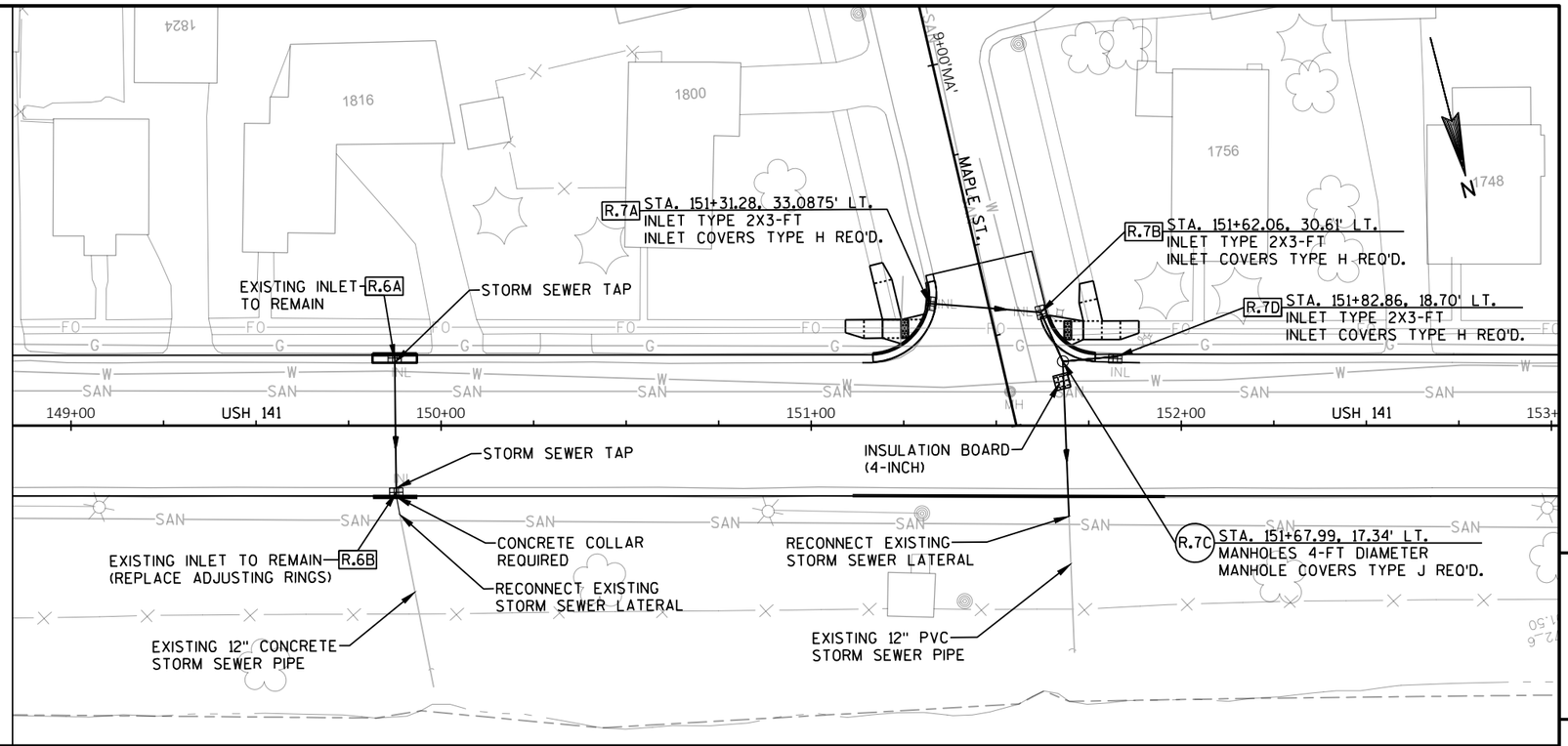


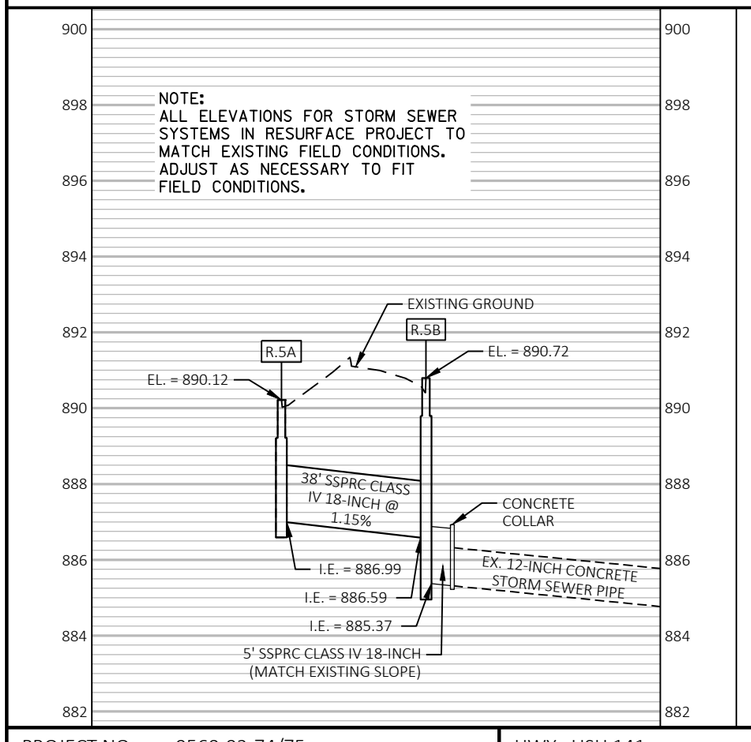


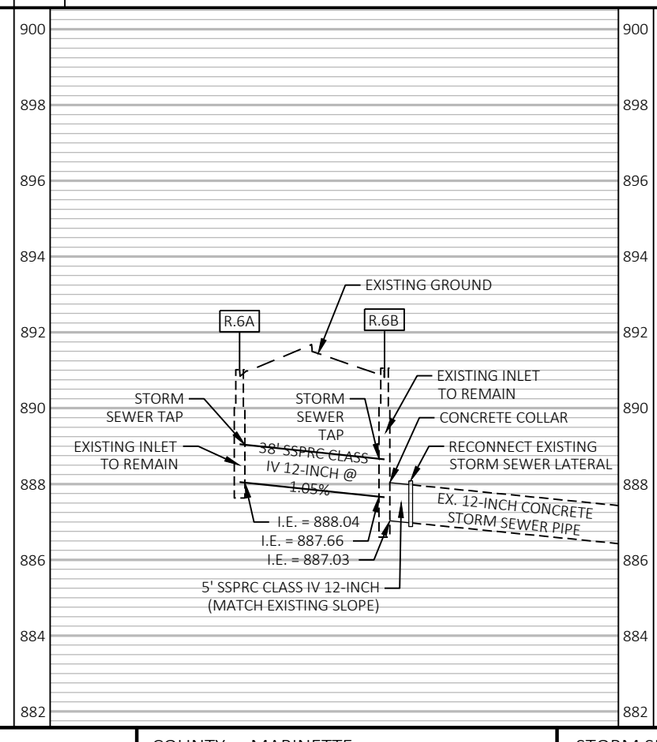


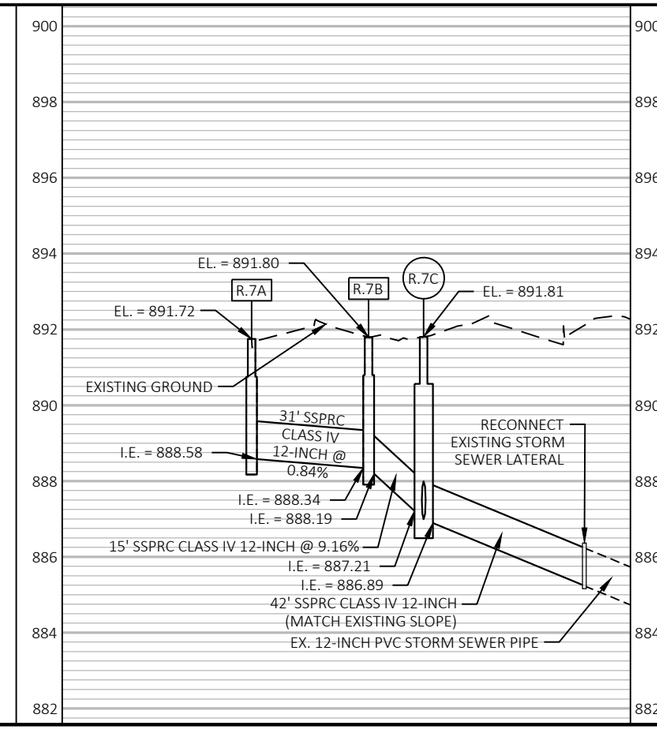
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - RESURFACE	SHEET 70	E

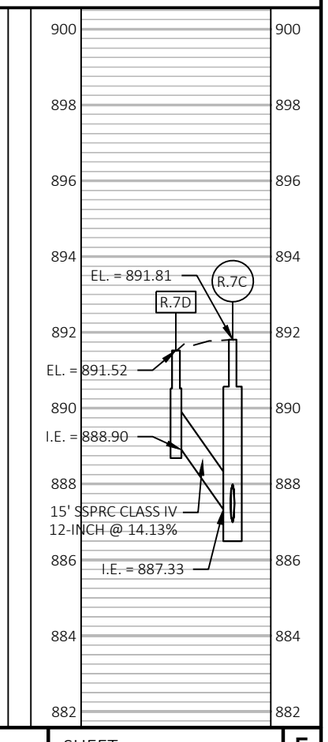












PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - RESURFACE	SHEET 71 E

EXISTING 24" CONCRETE STORM SEWER PIPE

R.8C STA. 157+37.27, 40.39' LT.
MANHOLES 5-FT DIAMETER
INLET COVERS TYPE H REQ'D.

EXISTING INLET TO BE REMOVED

R.8D STA. 157+12.36, 38.49' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

R.8E STA. 157+56.31, 17.89' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

HEMLOCK ST.

INSULATION BOARD (4-INCH)

USH 141

WORK BY OTHERS. PRIOR TO CONSTRUCTION THE CITY OF NIAGARA WILL CONSTRUCT NEW STORM SEWER OUTFALL. LOCATION OF PROPOSED STORM SEWER PIPES AND STRUCTURES FROM MANHOLE R.8A TO THE OUTFALL TO BE DETERMINED.

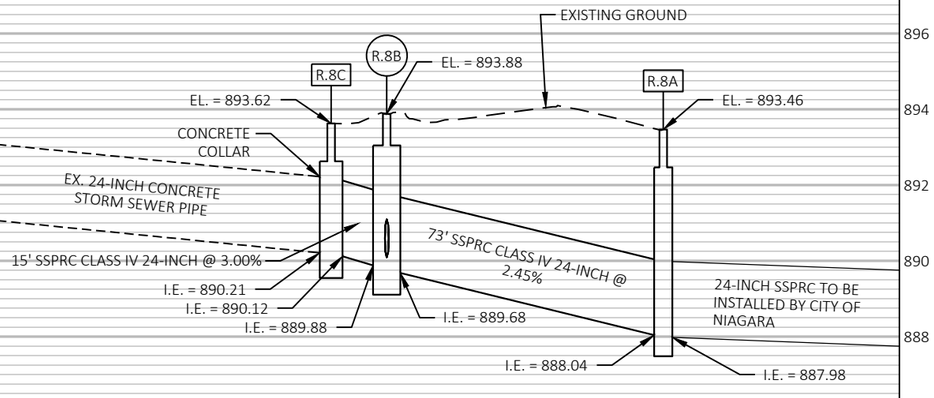
EXISTING 24" STORM SEWER PIPE TO BE DISCONTINUED FROM MANHOLE R.7B TO OUTFALL.

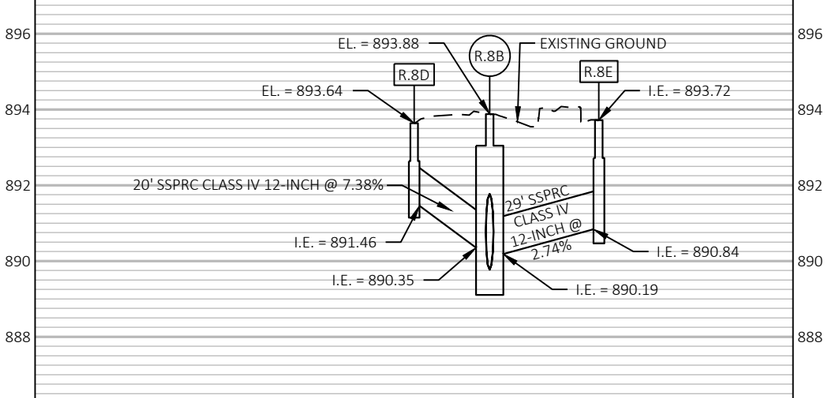
R.8A STA. 156+72.10, 17.23' RT.
INLETS 4-FT DIAMETER
INLET COVERS TYPE H REQ'D.

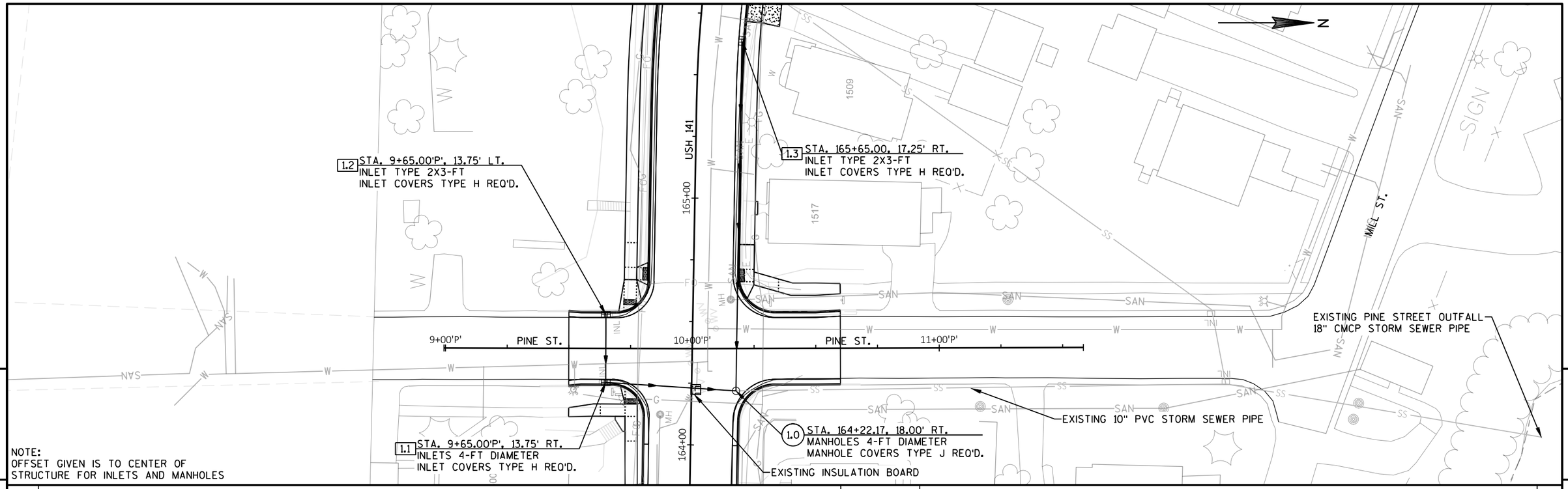
R.8B STA. 157+29.34, 28.04' LT.
MANHOLES 5-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

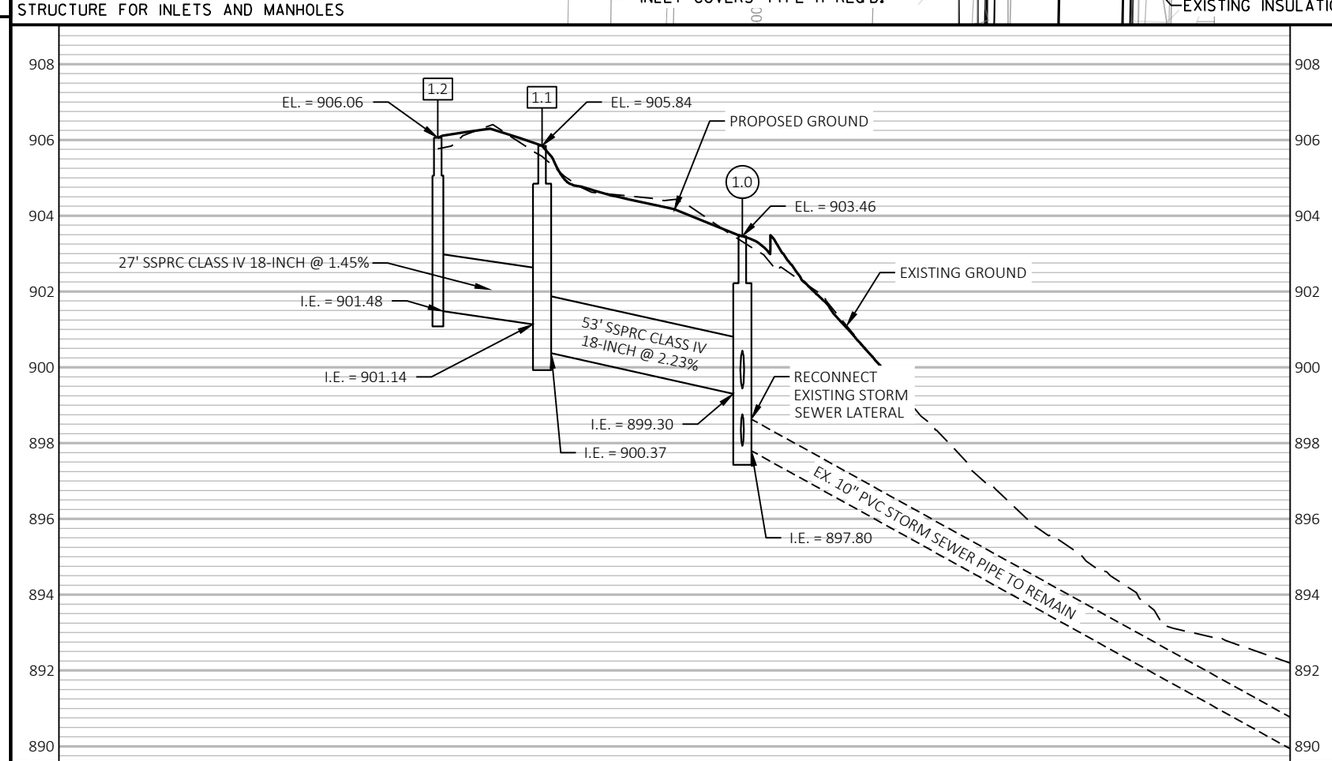
NOTE:
OFFSET GIVEN IS TO CENTER OF STRUCTURE FOR INLETS AND MANHOLES

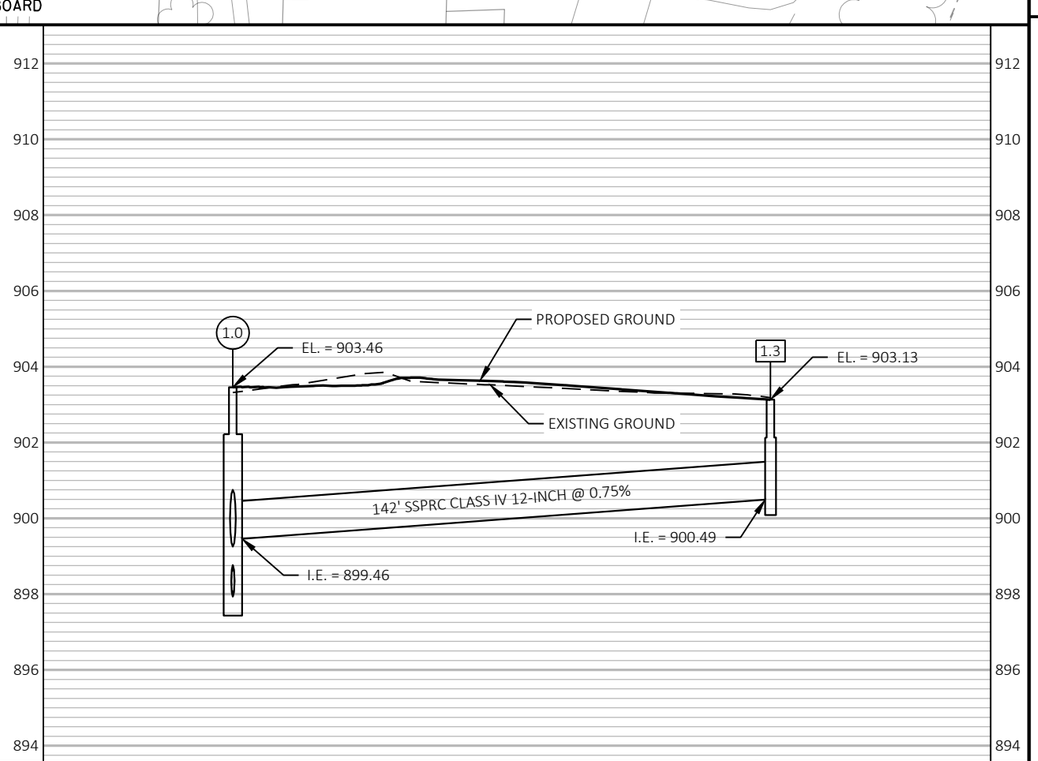
NOTE:
ALL ELEVATIONS FOR STORM SEWER SYSTEMS IN RESURFACE PROJECT TO MATCH EXISTING FIELD CONDITIONS. ADJUST AS NECESSARY TO FIT FIELD CONDITIONS.





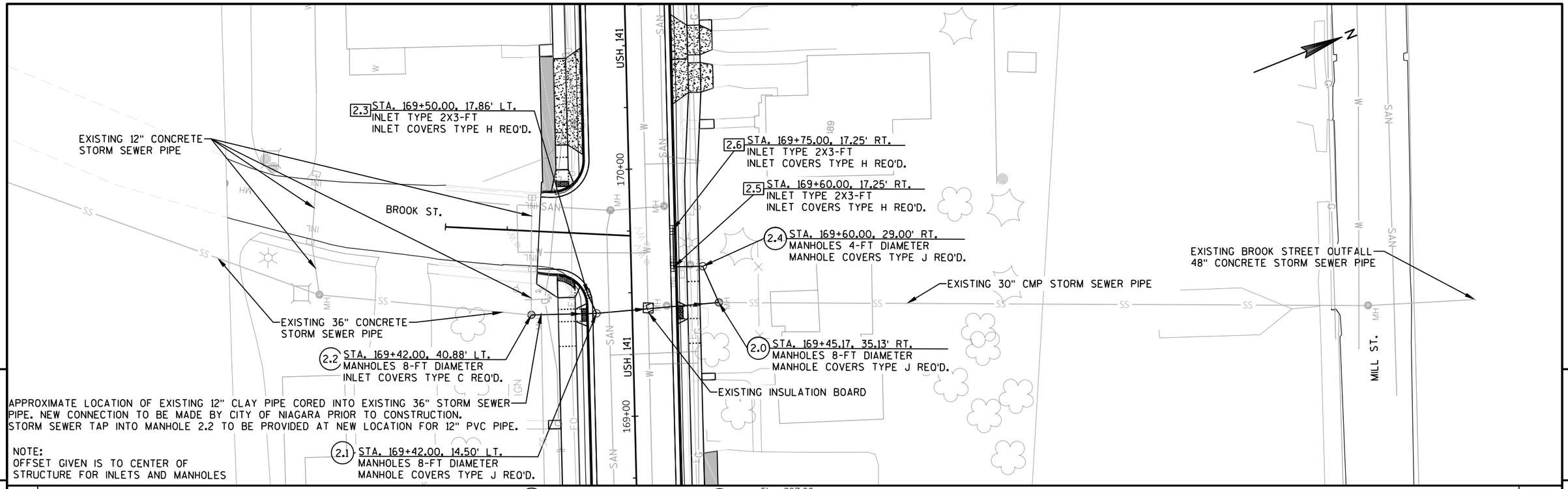


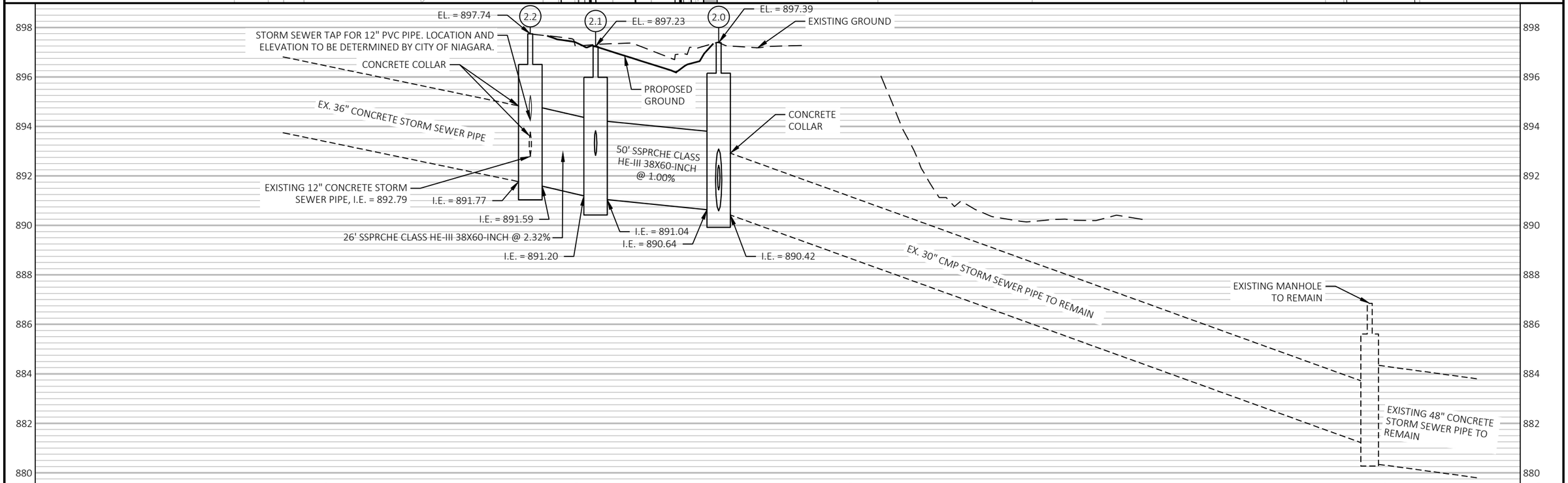




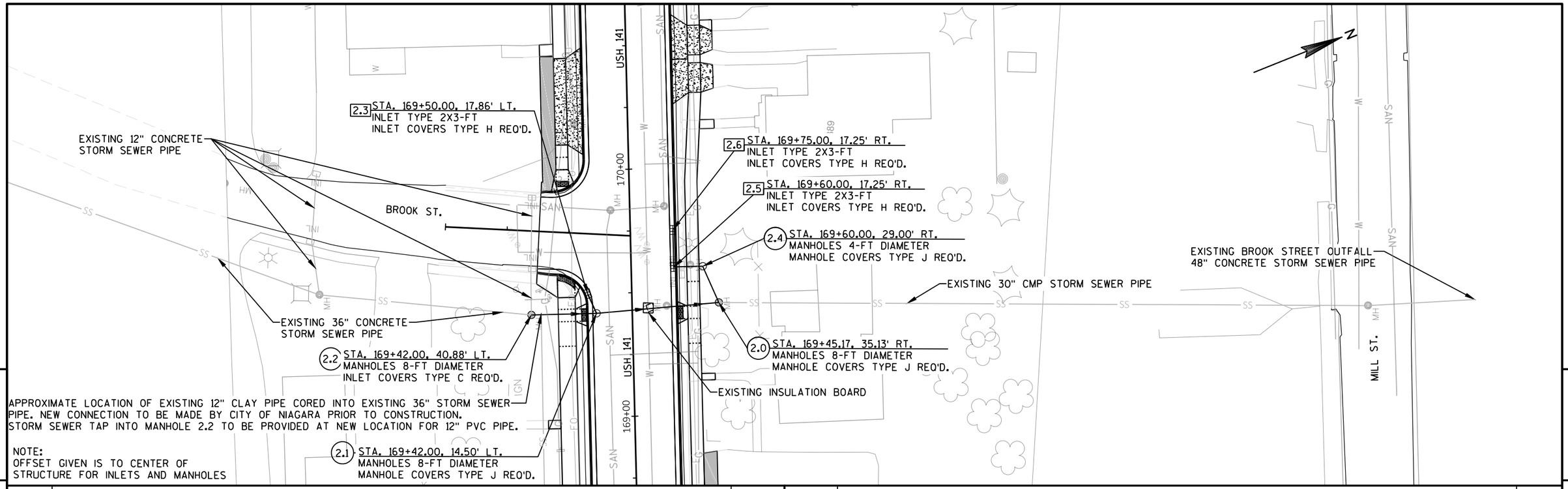
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - PINE STREET SYSTEM	SHEET 73	E

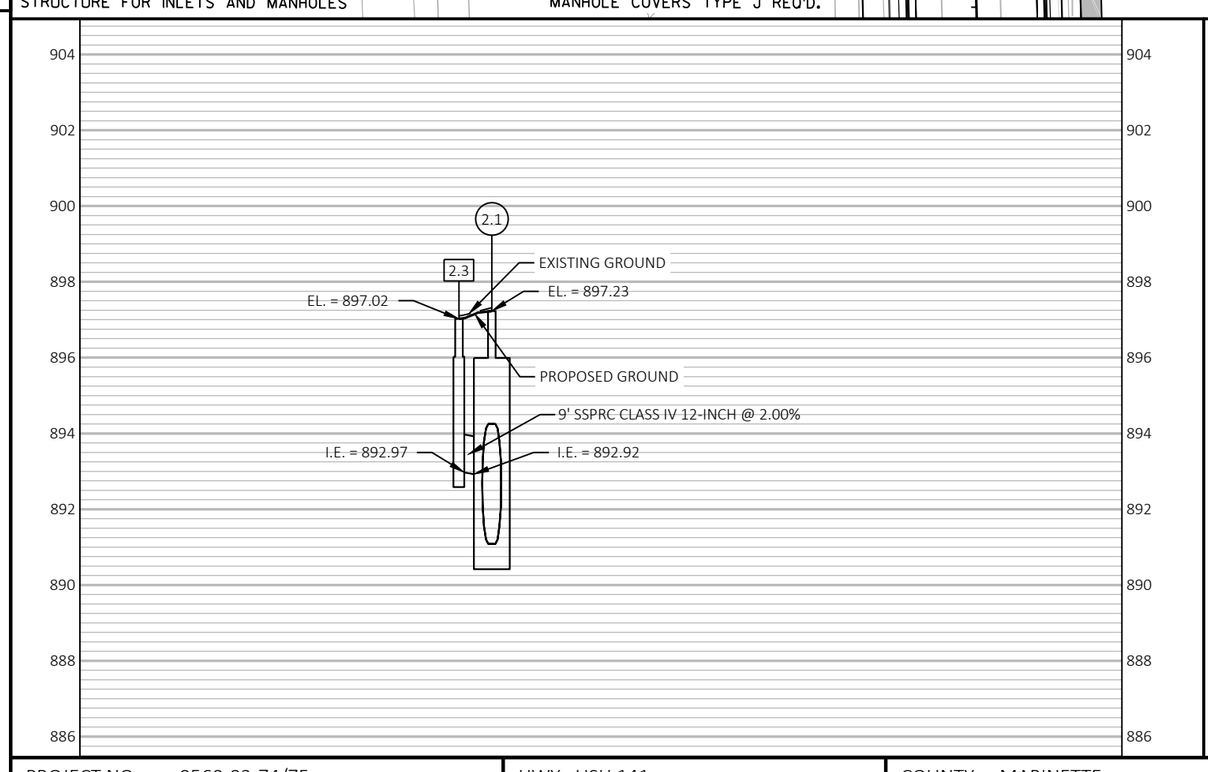
FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022501_SS (PINE STREET SYSTEM).DWG
LAYOUT NAME - 022501_ss
PLOT DATE : 4/15/2019 2:03 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

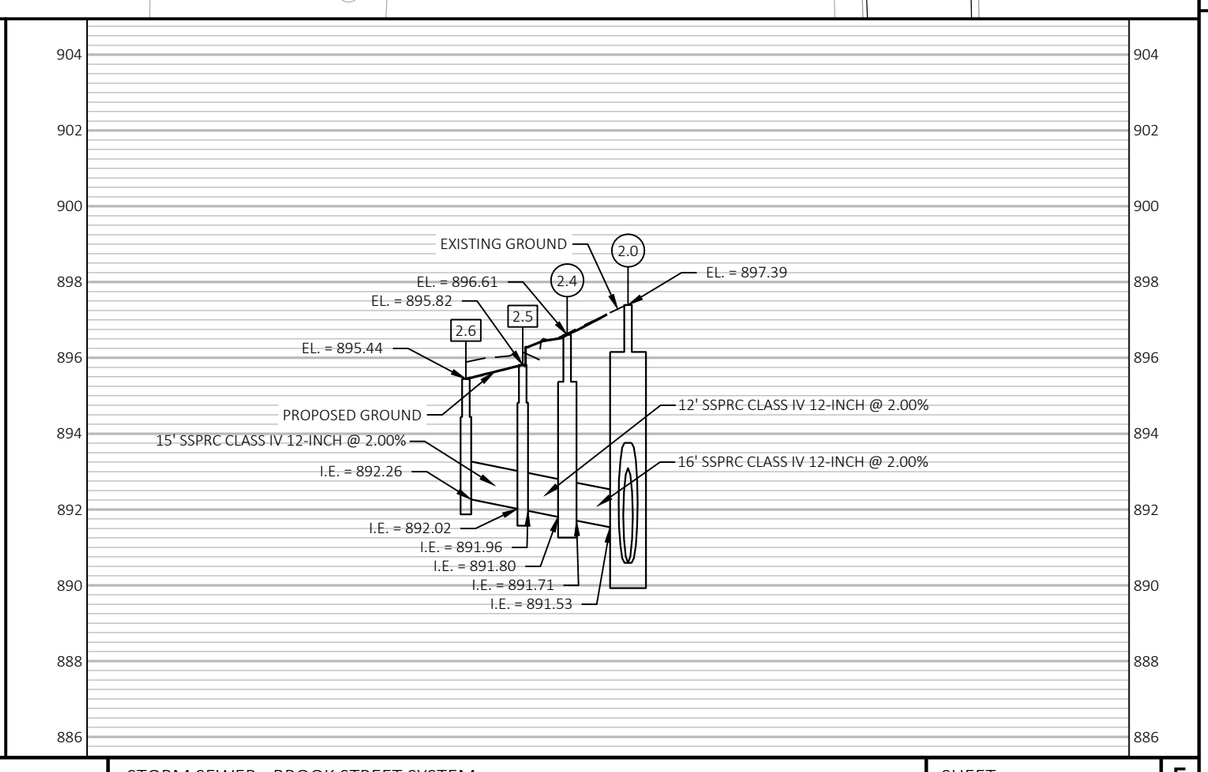




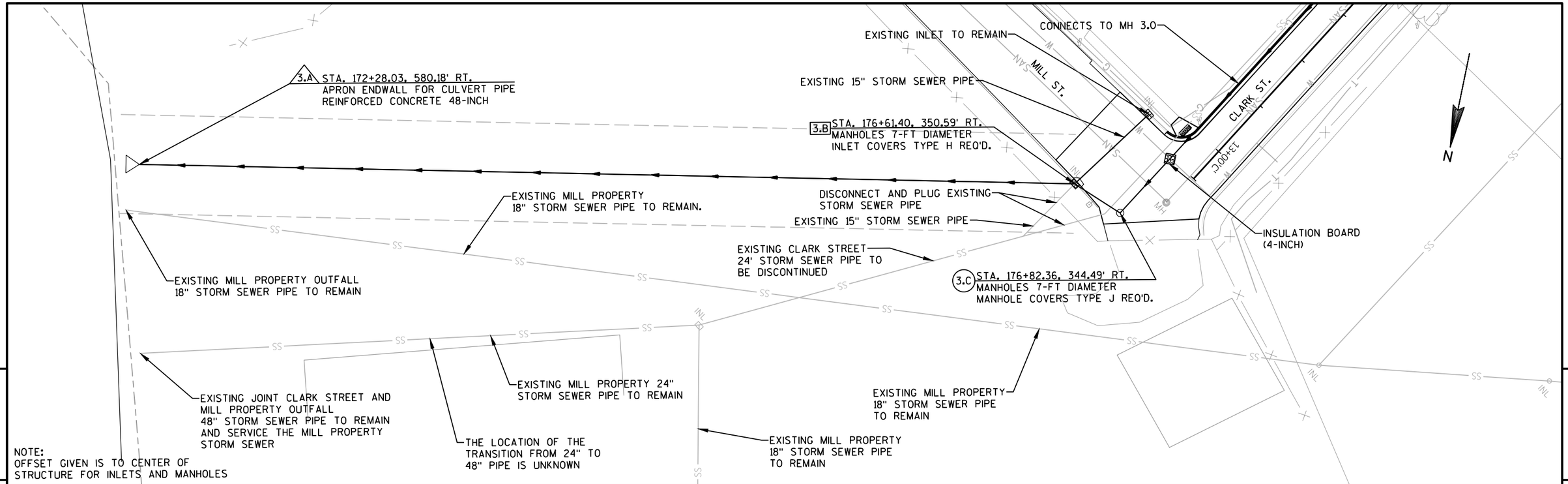
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - BROOK STREET SYSTEM	SHEET 74	E





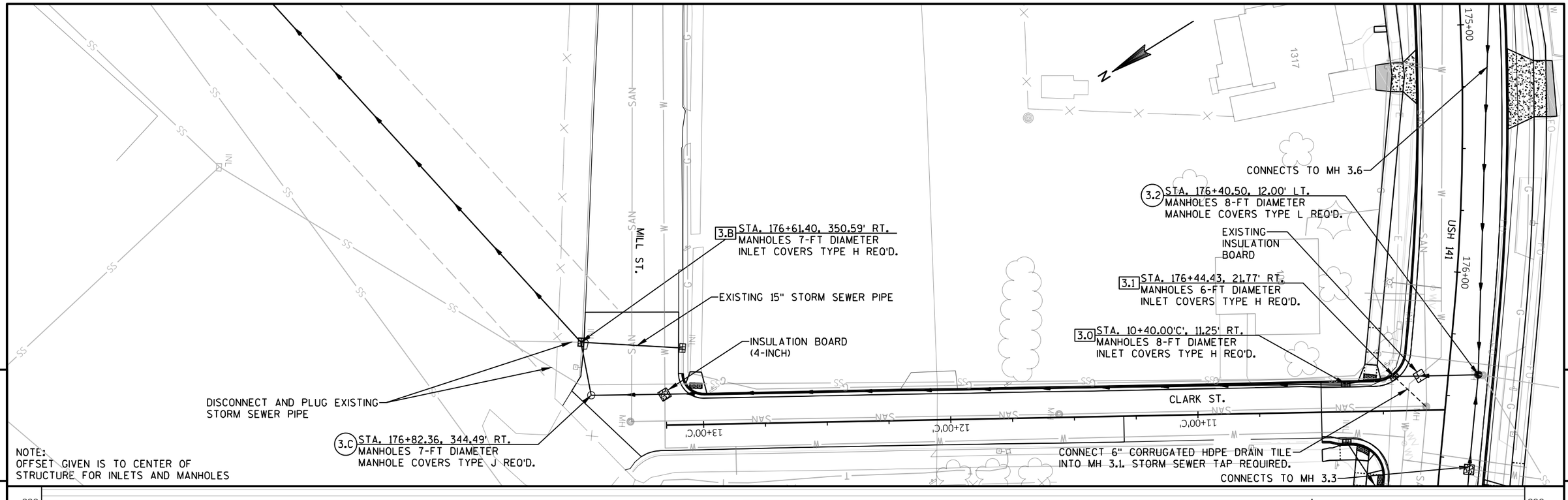


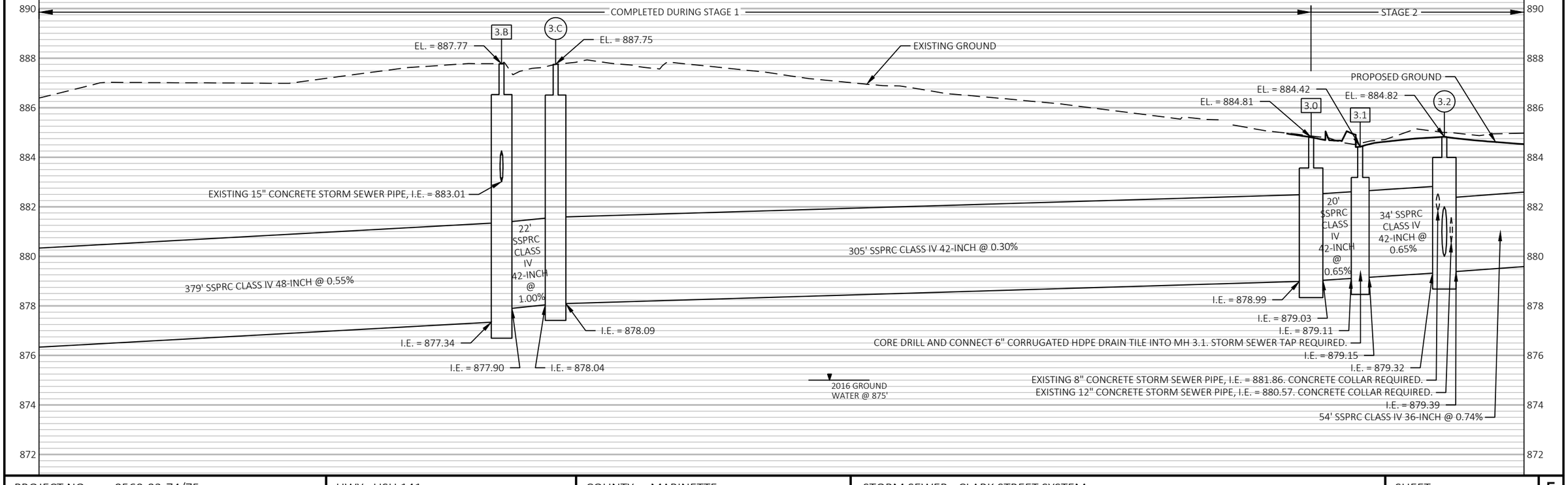
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - BROOK STREET SYSTEM	SHEET 75	E



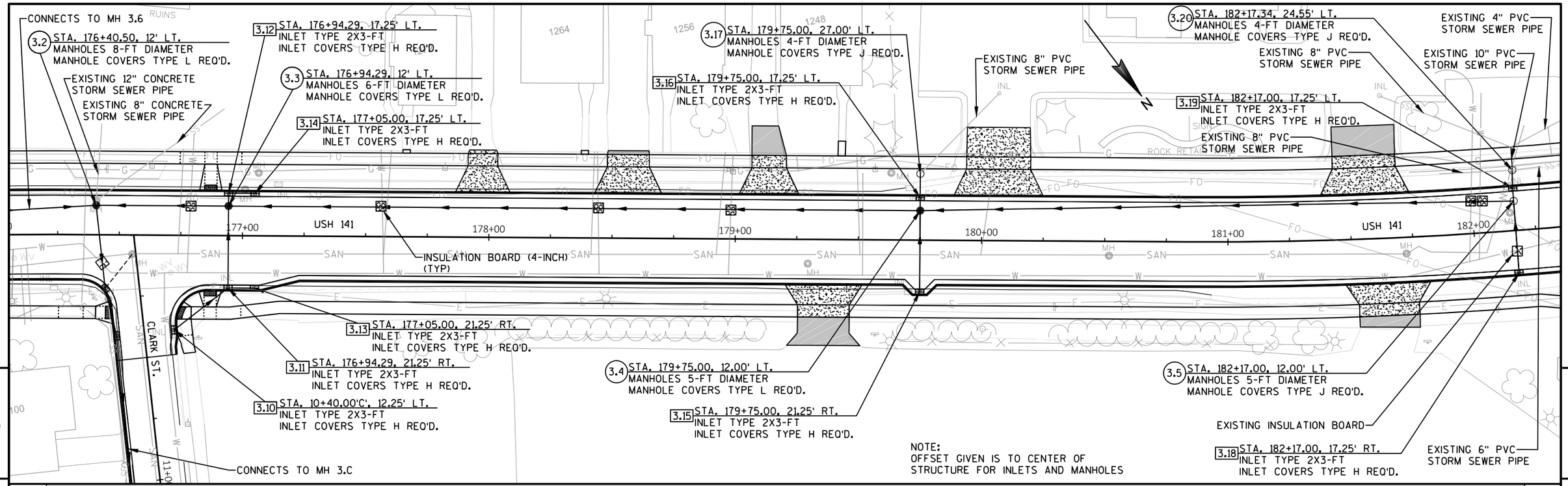
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - CLARK STREET SYSTEM	SHEET 76	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022504_SS TO 022509_SS (CLARK STREET SYSTEM).DWG
LAYOUT NAME - 022504_ss
PLOT DATE : 4/12/2019 10:27 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:40 FT





PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - CLARK STREET SYSTEM	SHEET 77	E



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - CLARK STREET SYSTEM	SHEET 78	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022504_SS TO 022509_SS (CLARK STREET SYSTEM).DWG
LAYOUT NAME - 022506_ss
PLOT DATE : 3/26/2019 10:39 AM PLOT BY : MARY PAMPERIN-VOLK PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
OFFSET GIVEN IS TO CENTER OF
STRUCTURE FOR INLETS AND MANHOLES

3.9 STA. 173+40.00, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.7 STA. 173+40.00, 12' LT.
MANHOLES 5-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

3.6 STA. 174+90.00, 12' LT.
MANHOLES 5-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

3.2 STA. 176+40.50, 12.00' LT.
MANHOLES 8-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

EXISTING 12" CONCRETE
STORM SEWER PIPE

EXISTING 8" CONCRETE
STORM SEWER PIPE

3.12 STA. 176+94.29, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.3 STA. 176+94.29, 12' LT.
MANHOLES 6-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

3.14 STA. 177+05.00, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.13 STA. 177+05.00, 21.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.11 STA. 176+94.29, 21.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.10 STA. 10+40.00'C', 12.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.1 STA. 176+44.43, 21.77' RT.
MANHOLES 6-FT DIAMETER
INLET COVERS TYPE H REQ'D.

3.0 STA. 10+40.00'C', 11.25' RT.
MANHOLE 8-FT DIAMETER
INLET COVERS TYPE H REQ'D.

3.8 STA. 173+25.00, 17.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

INSULATION BOARD-
(4-INCH)

CONNECTS TO MH 3.C

USH 141

CLARK ST.

RUINS

1348

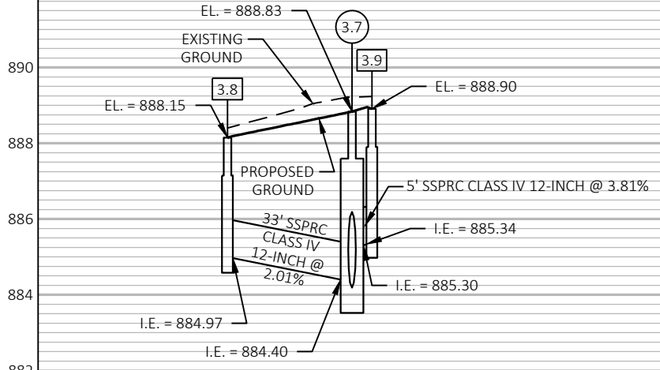
1317

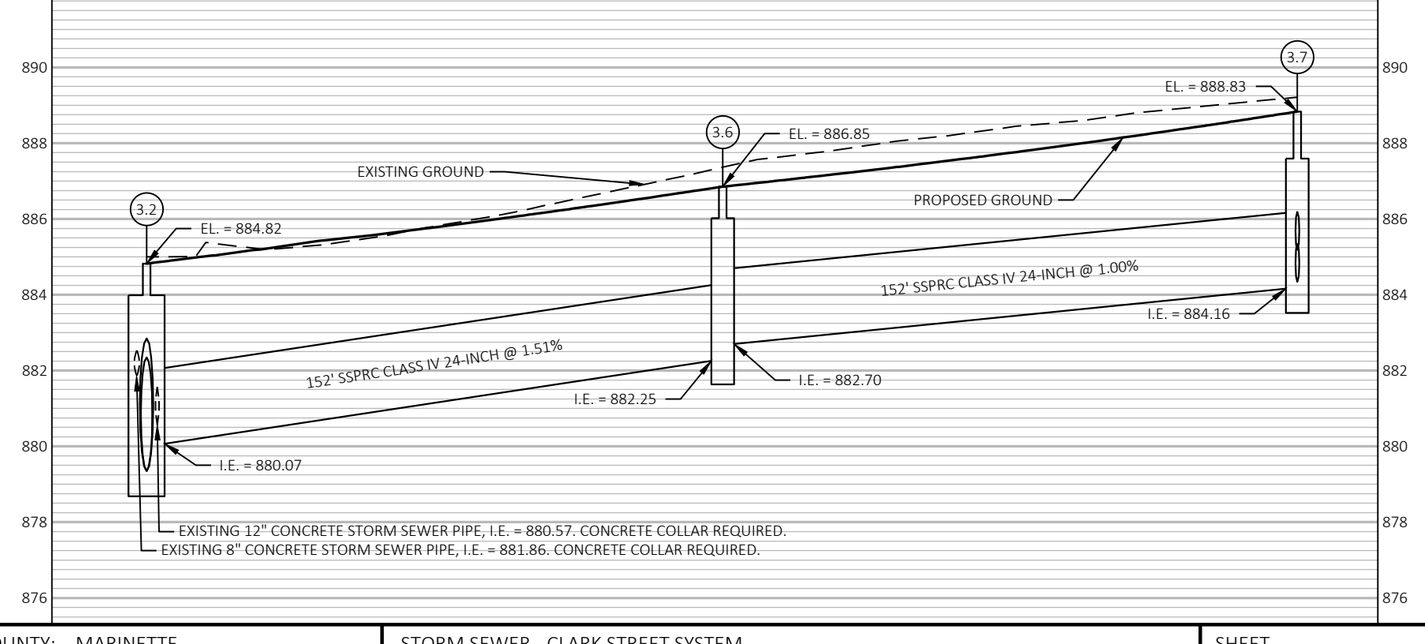
1325

1288

100

172+00 173+00 174+00 175+00 176+00 177+00 178+00 11+00





PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - CLARK STREET SYSTEM	SHEET 79 E

CONNECTS TO MH 3.6

3.2 STA. 176+40.50, 12' LT.
MANHOLES 8-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

EXISTING 12" CONCRETE STORM SEWER PIPE

EXISTING 8" CONCRETE STORM SEWER PIPE

3.12 STA. 176+94.29, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.3 STA. 176+94.29, 12' LT.
MANHOLES 6-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

3.14 STA. 177+05.00, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.17 STA. 179+75.00, 27.00' LT.
MANHOLES 4-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

3.16 STA. 179+75.00, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

EXISTING 8" PVC STORM SEWER PIPE

3.20 STA. 182+17.34, 24.55' LT.
MANHOLES 4-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

EXISTING 4" PVC STORM SEWER PIPE

EXISTING 8" PVC STORM SEWER PIPE

EXISTING 10" PVC STORM SEWER PIPE

3.19 STA. 182+17.00, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

EXISTING 8" PVC STORM SEWER PIPE

177+00 178+00 179+00 180+00 181+00 182+00

USH 141 USH 141

INSULATION BOARD (4-INCH) (TYP)

3.13 STA. 177+05.00, 21.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.11 STA. 176+94.29, 21.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.10 STA. 10+40.00'C', 12.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

CLARK ST.

CONNECTS TO MH 3.C

3.4 STA. 179+75.00, 12.00' LT.
MANHOLES 5-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

3.15 STA. 179+75.00, 21.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

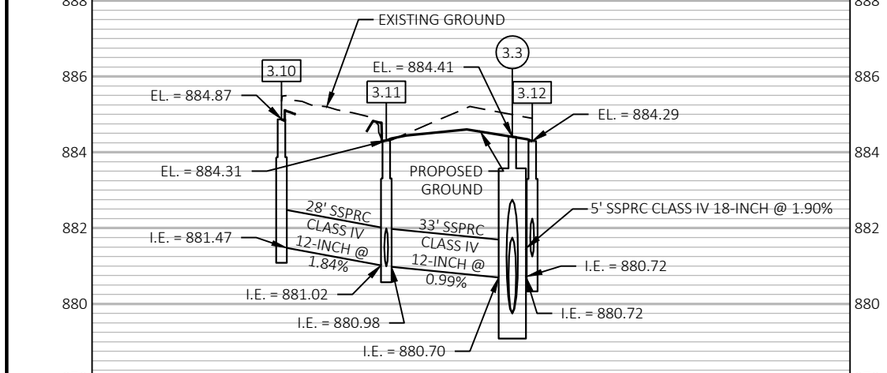
3.5 STA. 182+17.00, 12.00' LT.
MANHOLES 5-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

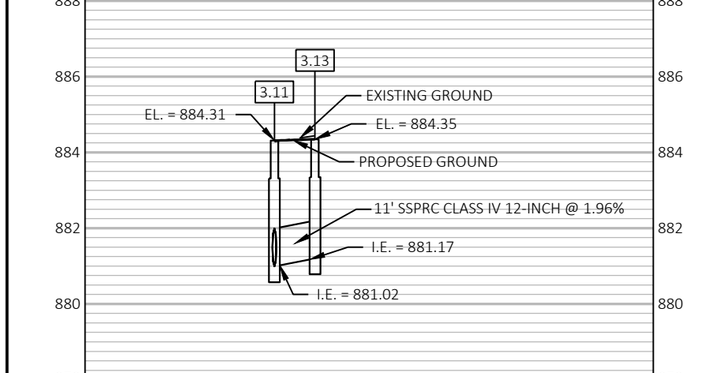
EXISTING INSULATION BOARD

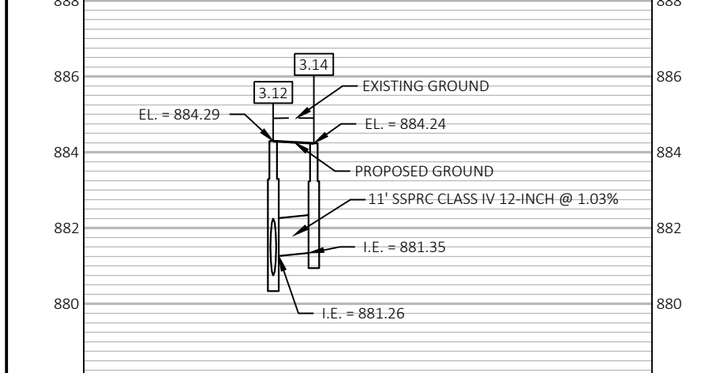
3.18 STA. 182+17.00, 17.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

EXISTING 6" PVC STORM SEWER PIPE

NOTE:
OFFSET GIVEN IS TO CENTER OF STRUCTURE FOR INLETS AND MANHOLES







PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - CLARK STREET SYSTEM	SHEET 80 E

CONNECTS TO MH 3.6

3.2 STA. 176+40.50, 12' LT.
MANHOLES 8-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

EXISTING 12" CONCRETE STORM SEWER PIPE

EXISTING 8" CONCRETE STORM SEWER PIPE

3.12 STA. 176+94.29, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.3 STA. 176+94.29, 12' LT.
MANHOLES 6-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

3.14 STA. 177+05.00, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.17 STA. 179+75.00, 27.00' LT.
MANHOLES 4-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

3.16 STA. 179+75.00, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

EXISTING 8" PVC STORM SEWER PIPE

3.20 STA. 182+17.34, 24.55' LT.
MANHOLES 4-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

EXISTING 4" PVC STORM SEWER PIPE

EXISTING 8" PVC STORM SEWER PIPE

EXISTING 10" PVC STORM SEWER PIPE

3.19 STA. 182+17.00, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

EXISTING 8" PVC STORM SEWER PIPE

177+00 178+00 179+00 180+00 181+00 182+00

USH 141 USH 141

INSULATION BOARD (4-INCH) (TYP)

3.13 STA. 177+05.00, 21.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.11 STA. 176+94.29, 21.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

3.10 STA. 10+40.00'C', 12.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

CLARK ST.

CONNECTS TO MH 3.C

3.4 STA. 179+75.00, 12.00' LT.
MANHOLES 5-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

3.15 STA. 179+75.00, 21.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

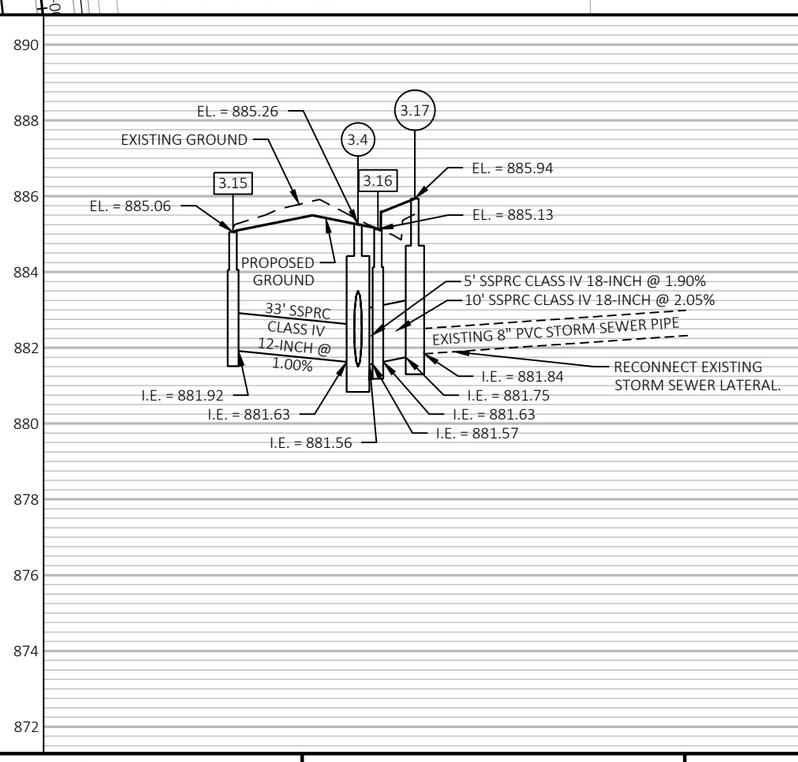
NOTE:
OFFSET GIVEN IS TO CENTER OF STRUCTURE FOR INLETS AND MANHOLES

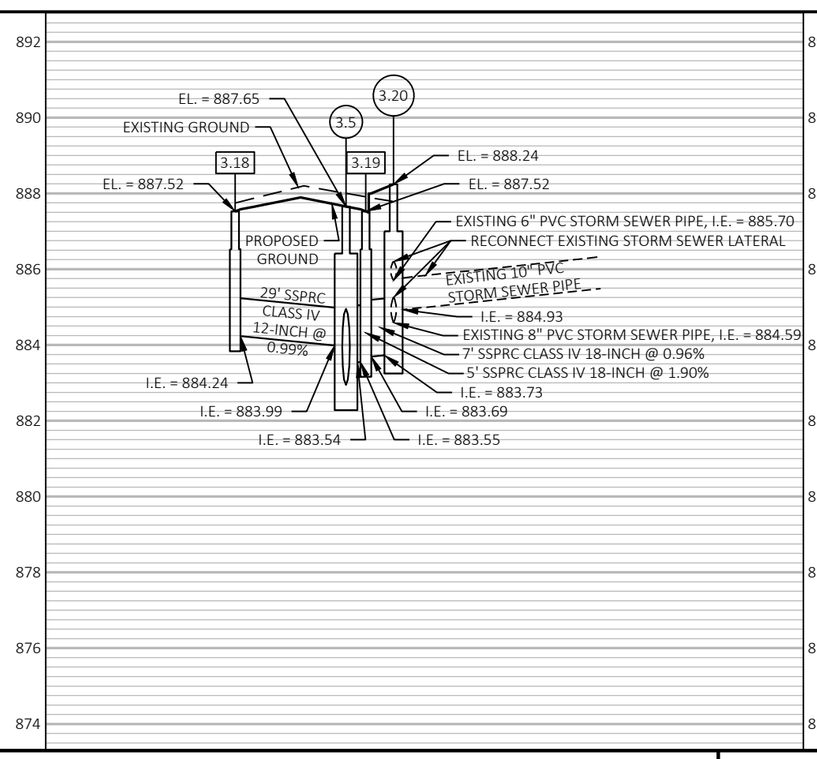
3.5 STA. 182+17.00, 12.00' LT.
MANHOLES 5-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

EXISTING INSULATION BOARD

3.18 STA. 182+17.00, 17.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

EXISTING 6" PVC STORM SEWER PIPE





PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - CLARK STREET SYSTEM	SHEET 81	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022504_SS TO 022509_SS (CLARK STREET SYSTEM).DWG
LAYOUT NAME - 022509_ss
PLOT DATE : 3/26/2019 10:40 AM PLOT BY : MARY PAMPERIN-VOLK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

4.10 STA. 9+60.00'S', 9.75' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

EXISTING 24" CONCRETE
STORM SEWER PIPE

4.6 STA. 184+93.22, 25.85' LT.
MANHOLES 5-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

4.9 STA. 9+60.00'S', 9.75' LT.
INLETS 4' DIAMETER
INLET COVERS TYPE H REQ'D.

4.8 STA. 186+29.00, 17.30' LT.
INLETS 4-FT DIAMETER
INLET COVERS TYPE H REQ'D.

EXISTING INSULATION BOARD

CONNECT 6" CORRUGATED HDPE
DRAIN TILE INTO MH 4.6

184+00 185+00 186+00 187+00 188+00 189+00

USH 141

INSULATION BOARD
(4-INCH)

INSULATION BOARD
(4-INCH)

SCHOOL ST.

MAIN ST.

EXISTING 4" PVC
STORM SEWER PIPE

4.1 STA. 184+40.00, 17.25' RT.
MANHOLES 8-FT DIAMETER
INLET COVERS TYPE H REQ'D.

4.2 STA. 184+54.11, 12' RT.
MANHOLES 8-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

4.7 STA. 186+29.00, 17.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

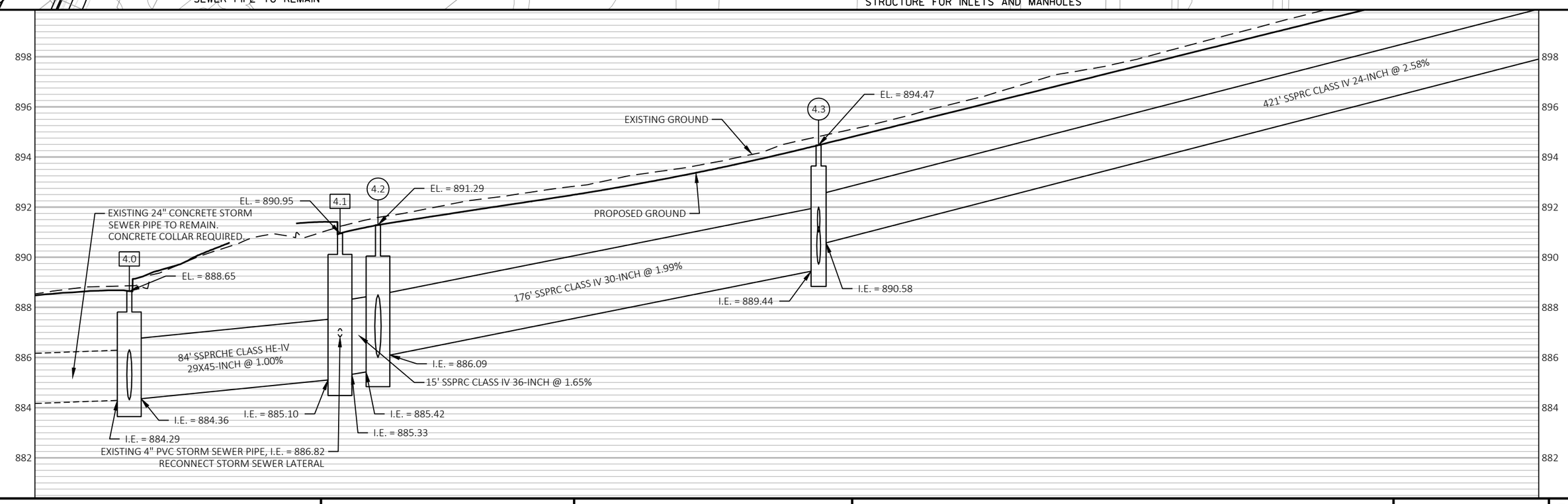
CONNECTS TO MH 4.4

4.0 STA. 10+79.06'M', 20.25' LT.
MANHOLES 8-FT DIAMETER
INLET COVERS TYPE H REQ'D.

EXISTING 24" CONCRETE STORM
SEWER PIPE TO REMAIN

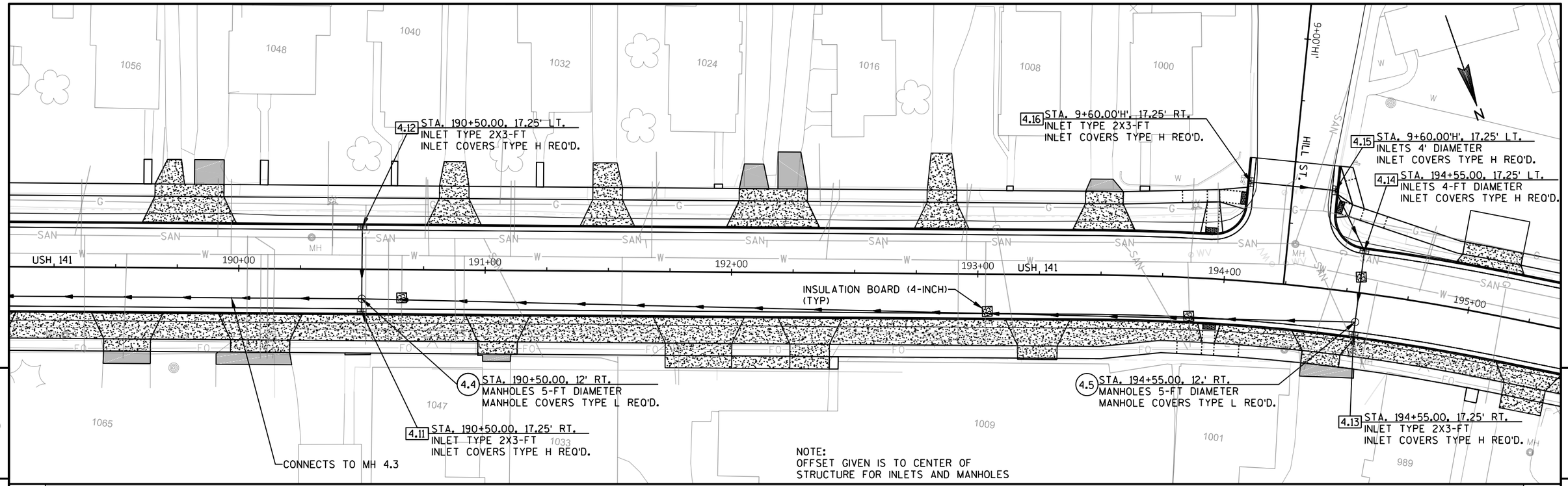
4.3 STA. 186+29.00, 12.' RT.
MANHOLES 5-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

NOTE:
OFFSET GIVEN IS TO CENTER OF
STRUCTURE FOR INLETS AND MANHOLES



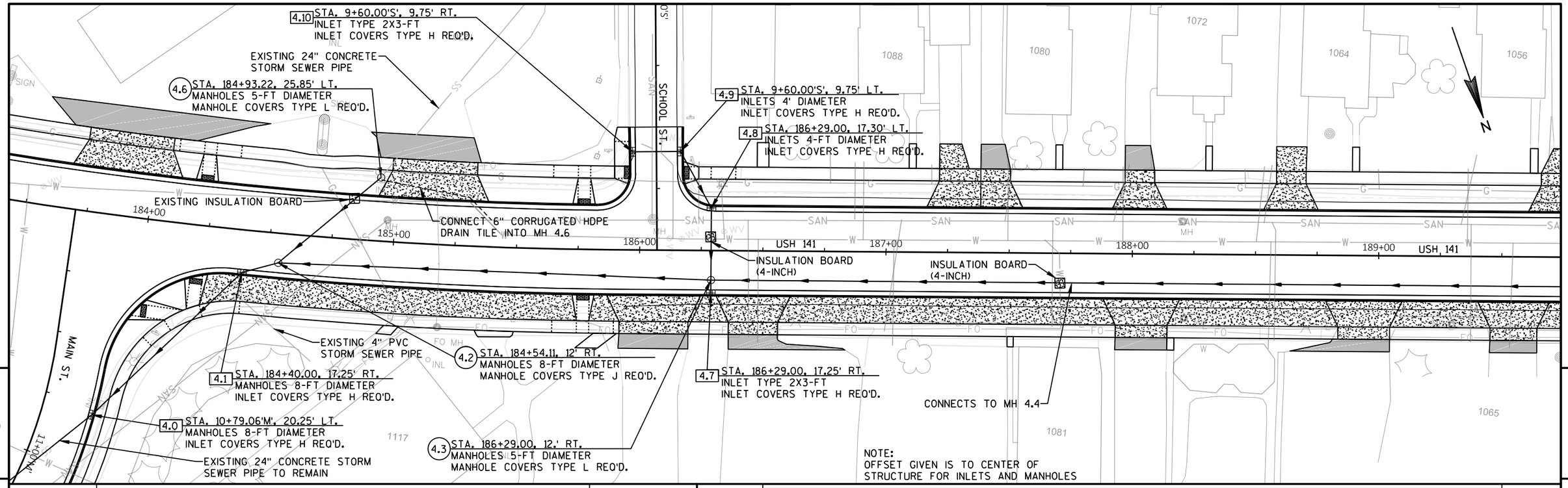
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - MAIN STREET SYSTEM	SHEET 82	E

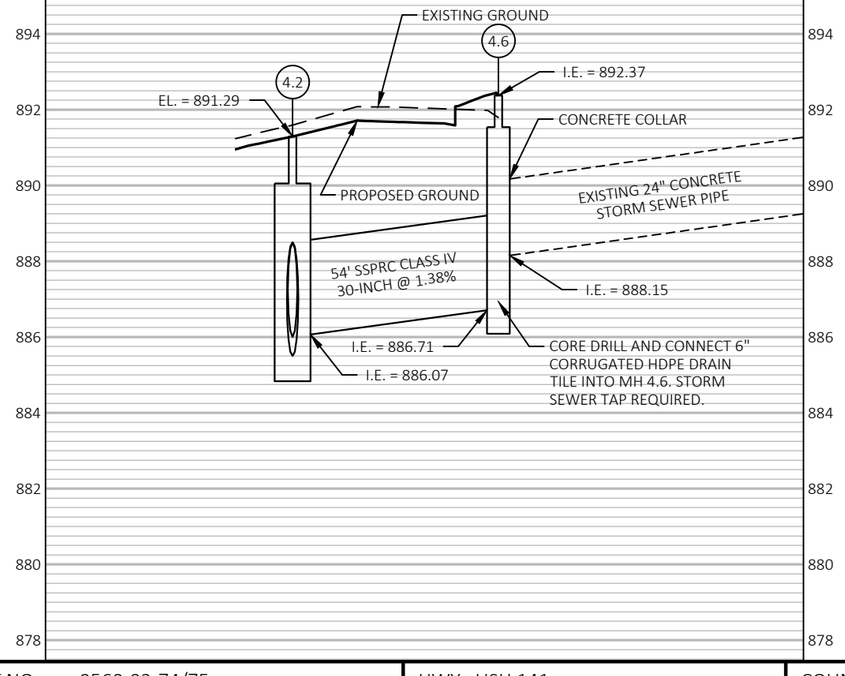
FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022510_SS TO 022513_SS (MAIN STREET SYSTEM).DWG
LAYOUT NAME - 022510_ss
PLOT DATE : 3/26/2019 11:07 AM PLOT BY : MARY PAMPERIN-VOLK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

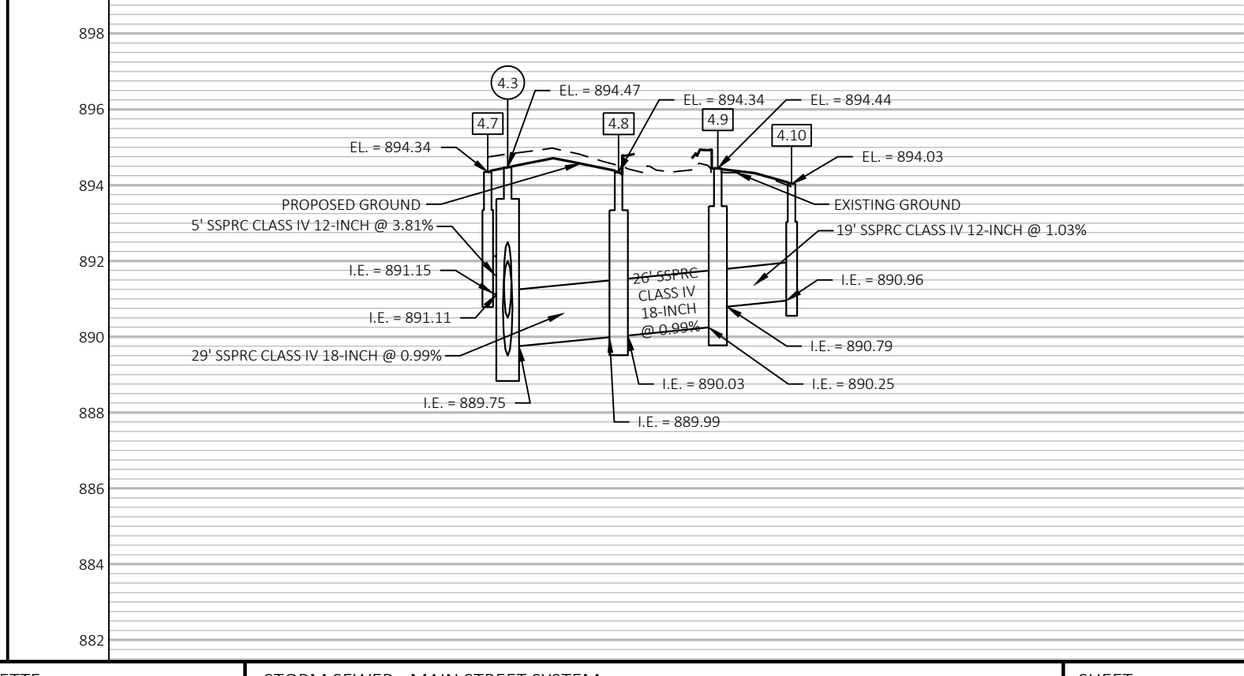


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - MAIN STREET SYSTEM	SHEET 83	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022510_SS TO 022513_SS (MAIN STREET SYSTEM).DWG
LAYOUT NAME - 022511_ss
PLOT DATE : 3/26/2019 11:07 AM PLOT BY : MARY PAMPERIN-VOLK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

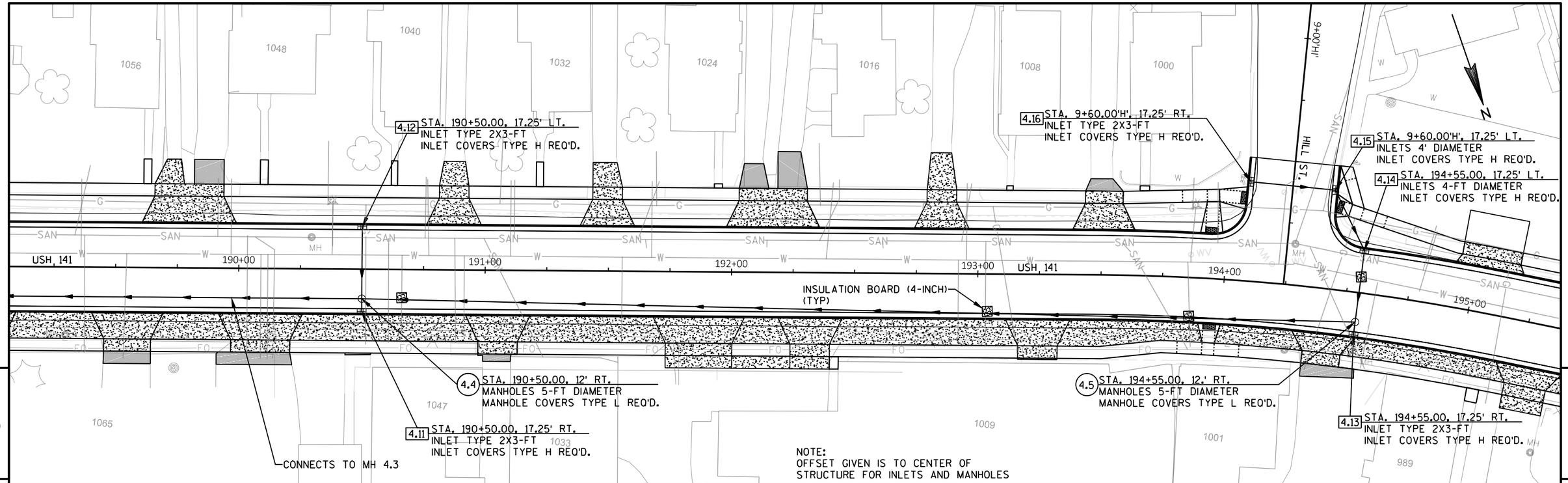


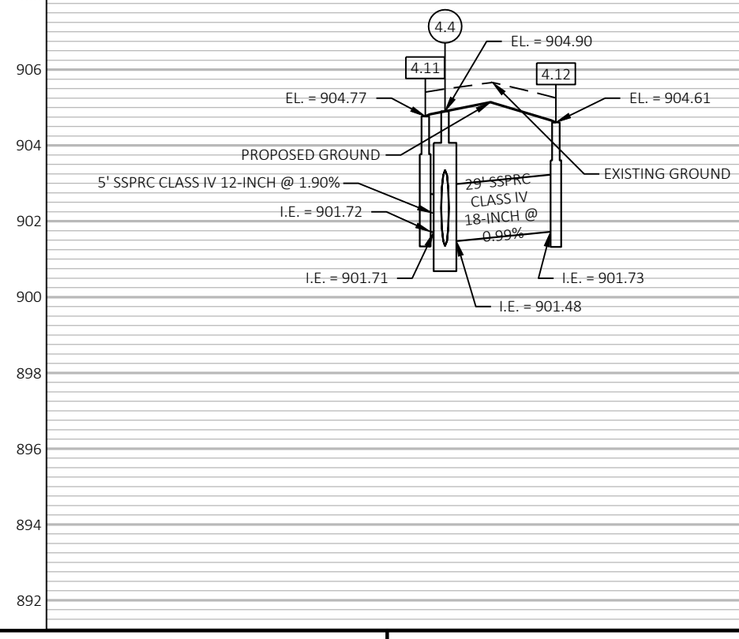


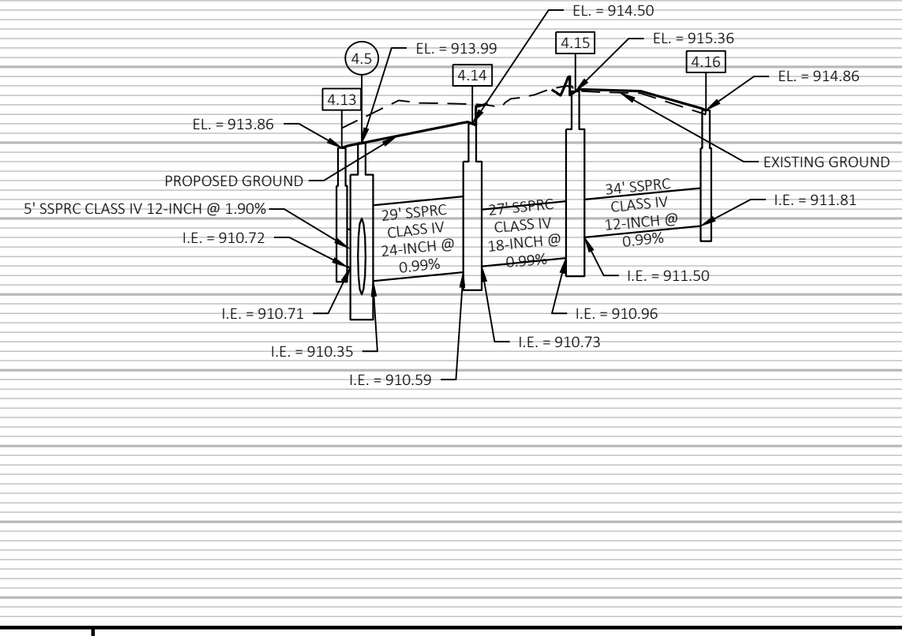


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - MAIN STREET SYSTEM	SHEET 84 E

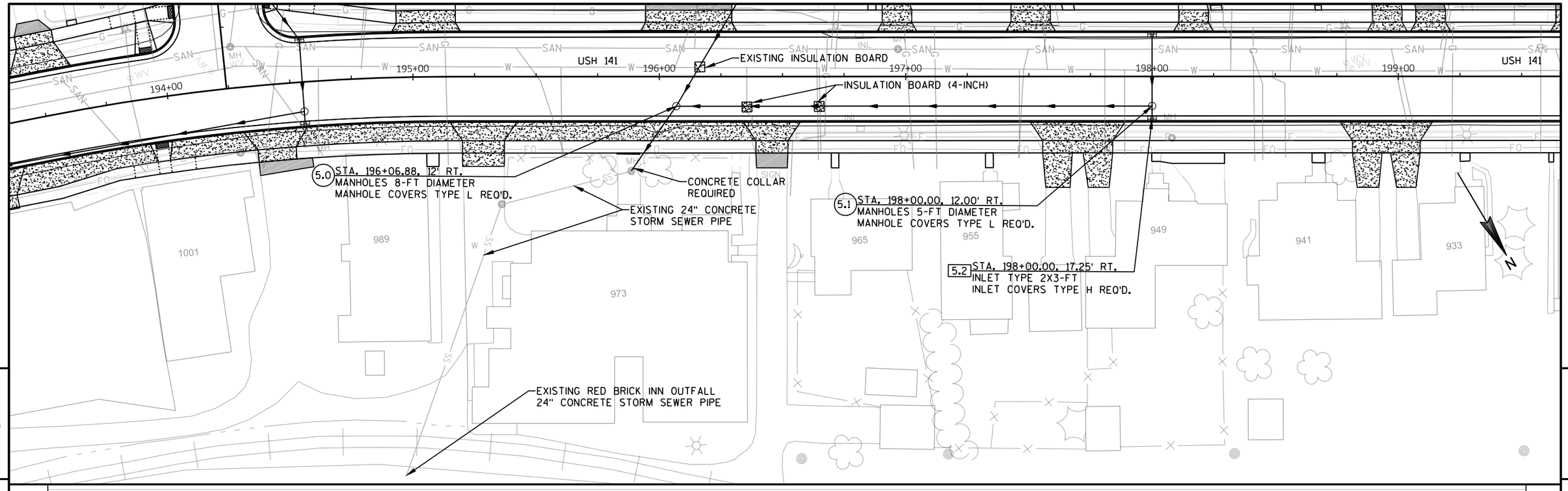
FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022510_SS TO 022513_SS (MAIN STREET SYSTEM).DWG
LAYOUT NAME - 022512_ss
PLOT DATE : 3/26/2019 11:08 AM PLOT BY : MARY PAMPERIN-VOLK PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

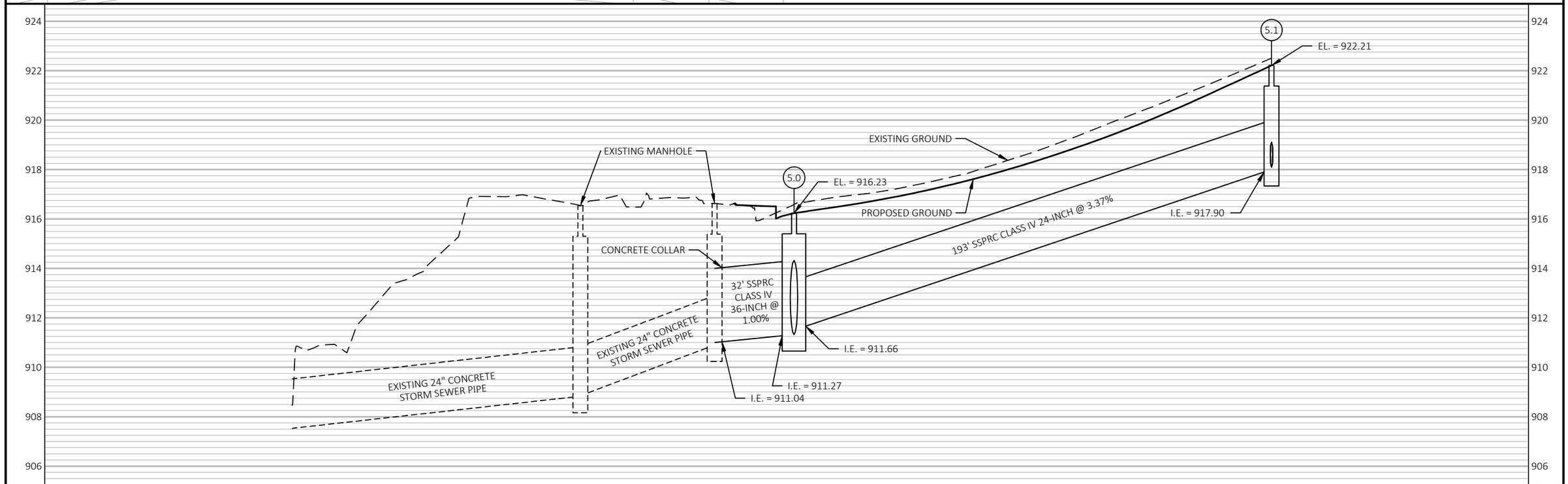






PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - MAIN STREET SYSTEM	SHEET 85	E



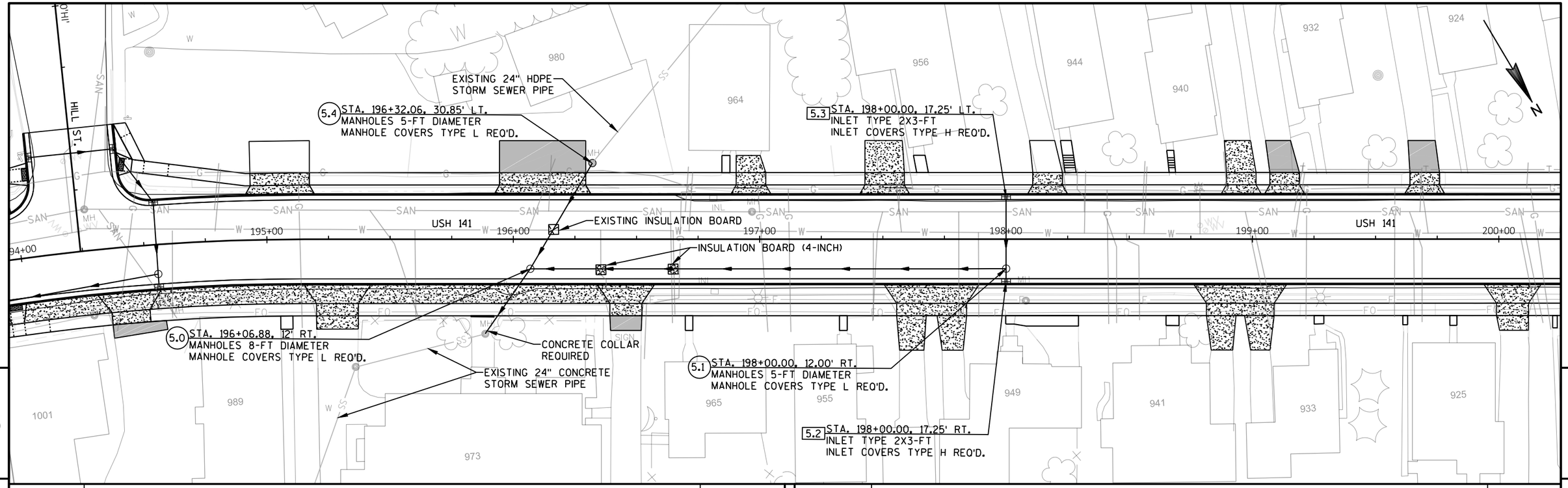


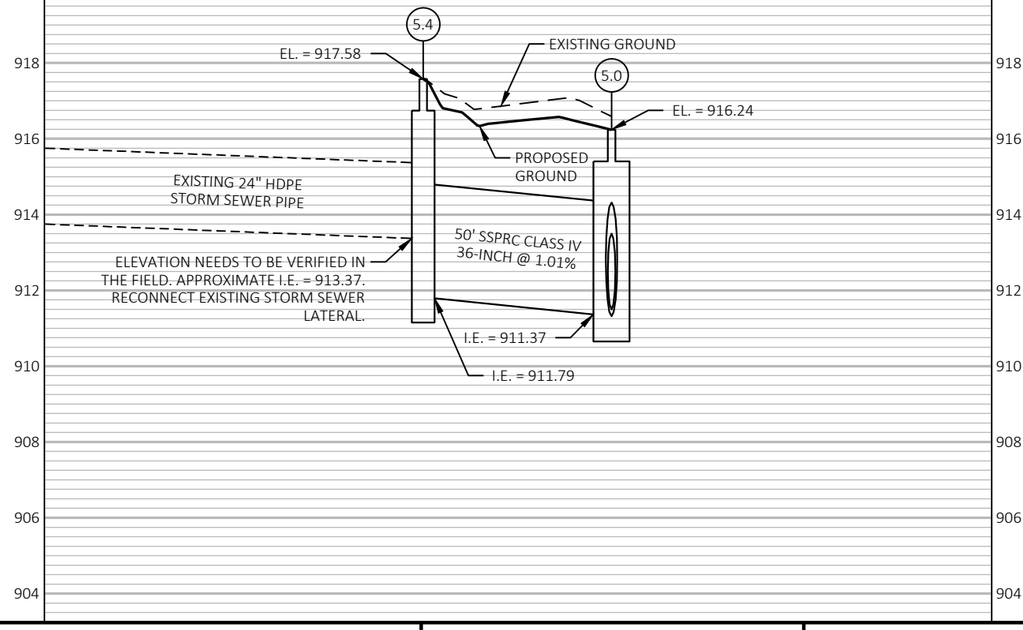
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - RED BRICK INN SYSTEM	SHEET 86	E

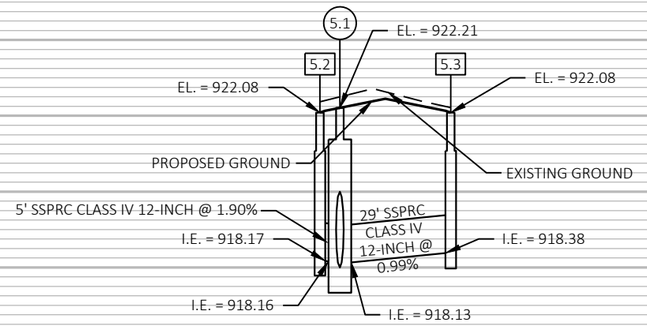
FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022514_SS TO 022515_SS (RED BRICK INN SYSTEM).DWG
LAYOUT NAME - 022514_ss

PLOT DATE : 3/26/2019 11:22 AM PLOT BY : MARY PAMPERIN-VOLK PLOT NAME : PLOT SCALE : 1 IN:40 FT

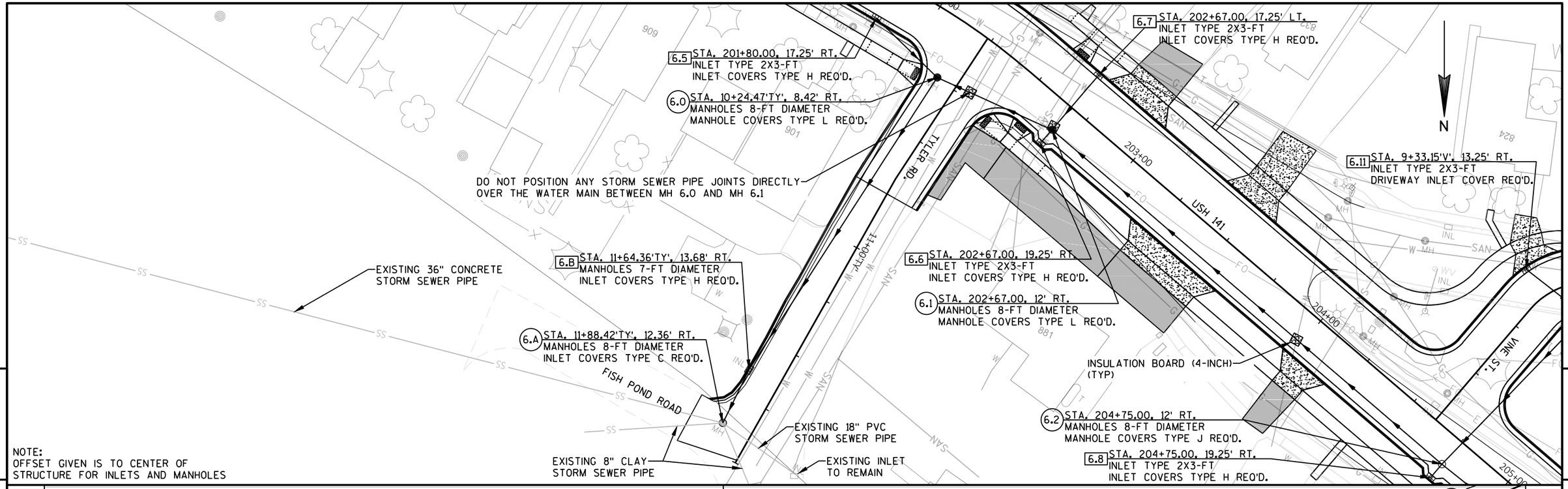
WISDOT/CADDS SHEET 44



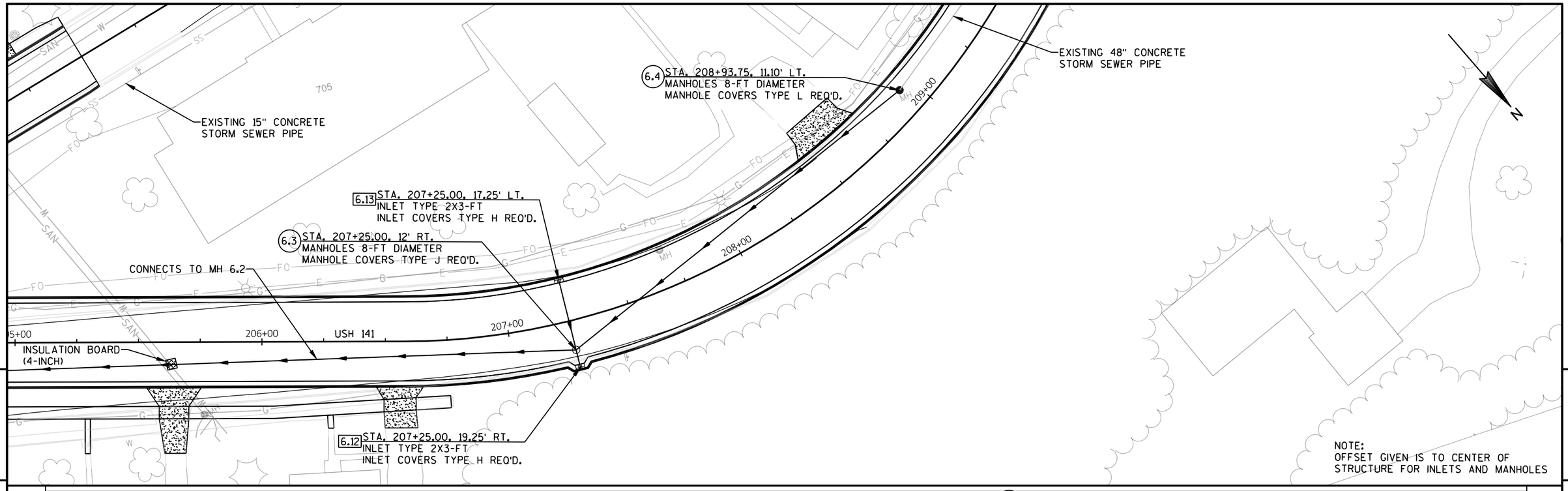


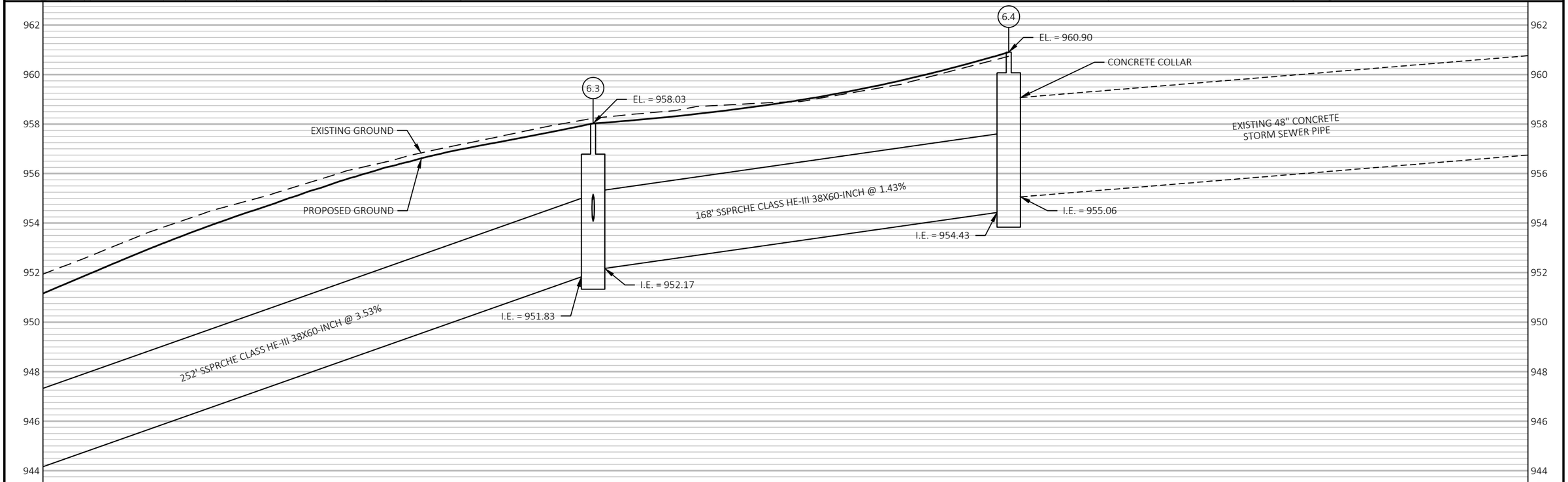


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - RED BRICK INN SYSTEM	SHEET 87	E



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - TYLER ROAD SYSTEM	SHEET 88	E





PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - TYLER ROAD SYSTEM	SHEET 89	E

NOTE:
OFFSET GIVEN IS TO CENTER OF
STRUCTURE FOR INLETS AND MANHOLES

6.0 STA. 10+24.47'TY', 8.42' RT.
MANHOLES 8-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

6.1 STA. 202+67.00, 12' RT.
MANHOLES 8-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

6.2 STA. 204+75.00, 12' RT.
MANHOLES 8-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

6.3 STA. 207+25.00, 12' RT.
MANHOLES 8-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

6.5 STA. 201+80.00, 17.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

6.6 STA. 202+67.00, 19.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

6.7 STA. 202+67.00, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

6.8 STA. 204+75.00, 19.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

6.9 STA. 9+00.00'V', 18.80' LT.
MANHOLES 4-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

6.10 STA. 9+16.02'V', 13.25' LT.
MANHOLES 5-FT DIAMETER
INLET COVERS TYPE H REQ'D.

6.11 STA. 9+33.15'V', 13.25' RT.
INLET TYPE 2X3-FT
DRIVEWAY INLET COVER REQ'D.

6.12 STA. 207+25.00, 19.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

6.13 STA. 207+25.00, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

EXISTING 15" CONCRETE
STORM SEWER PIPE

INSULATION BOARD
(4-INCH)

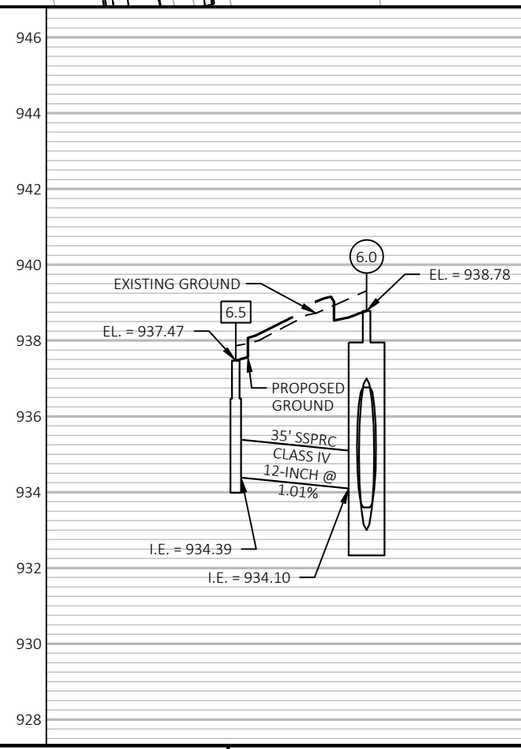
TYLER RD.

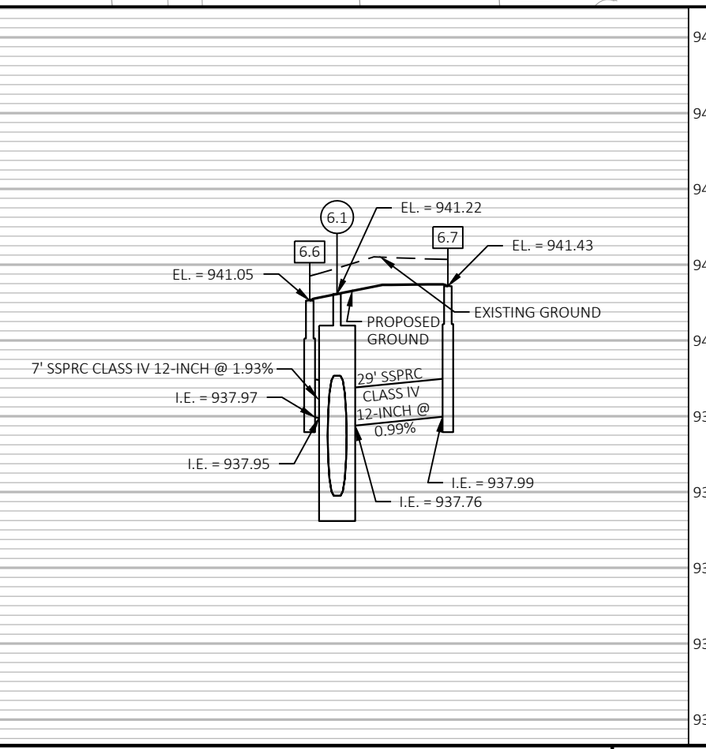
VINE ST.

USH 141

202+00 203+00 204+00 205+00 206+00 207+00

5





PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - TYLER ROAD SYSTEM	SHEET 90	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022516_SS TO 022519_SS (TYLER ROAD SYSTEM).DWG
LAYOUT NAME - 022518_ss
PLOT DATE : 4/15/2019 2:13 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE:
OFFSET GIVEN IS TO CENTER OF
STRUCTURE FOR INLETS AND MANHOLES

6.0 STA. 10+24.47'TY', 8.42' RT.
MANHOLES 8-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

6.1 STA. 202+67.00, 12' RT.
MANHOLES 8-FT DIAMETER
MANHOLE COVERS TYPE L REQ'D.

6.2 STA. 204+75.00, 12' RT.
MANHOLES 8-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

6.3 STA. 207+25.00, 12' RT.
MANHOLES 8-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

6.5 STA. 201+80.00, 17.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

6.6 STA. 202+67.00, 19.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

6.7 STA. 202+67.00, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

6.8 STA. 204+75.00, 19.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

6.9 STA. 9+00.00'V', 18.80' LT.
MANHOLES 4-FT DIAMETER
MANHOLE COVERS TYPE J REQ'D.

6.10 STA. 9+16.02'V', 13.25' LT.
MANHOLES 5-FT DIAMETER
INLET COVERS TYPE H REQ'D.

6.11 STA. 9+33.15'V', 13.25' RT.
INLET TYPE 2X3-FT
DRIVEWAY INLET COVER REQ'D.

6.12 STA. 207+25.00, 19.25' RT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

6.13 STA. 207+25.00, 17.25' LT.
INLET TYPE 2X3-FT
INLET COVERS TYPE H REQ'D.

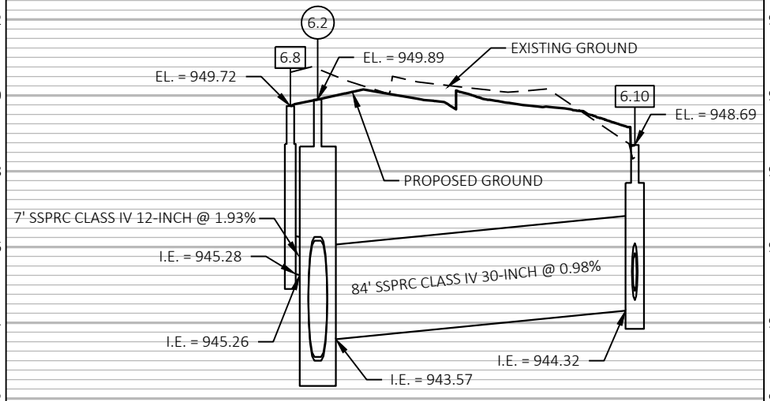
EXISTING 15" CONCRETE
STORM SEWER PIPE

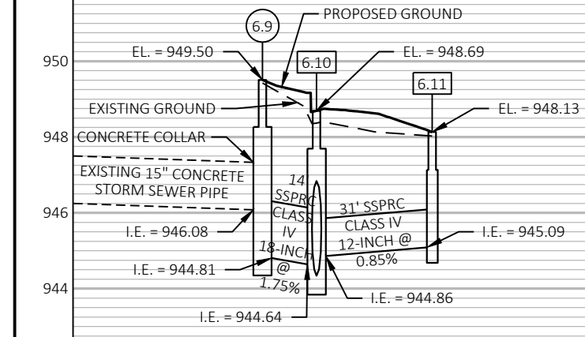
INSULATION BOARD
(4-INCH)

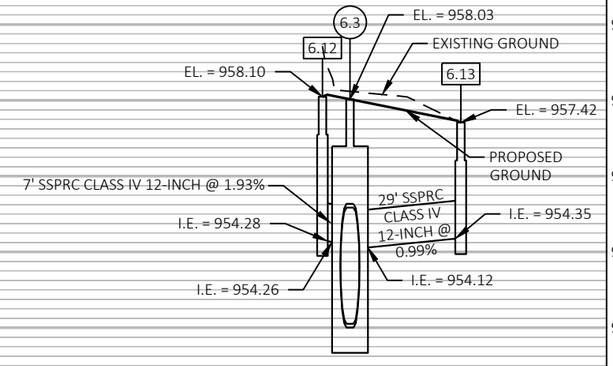
USH 141

TYLER RD.

VINE ST.







PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	STORM SEWER - TYLER ROAD SYSTEM	SHEET 91 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\022516_SS TO 022519_SS (TYLER ROAD SYSTEM).DWG
LAYOUT NAME - 022519_ss
PLOT DATE : 4/15/2019 2:14 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND - PAVEMENT MARKING

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

LEGEND - PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- x0-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, N=NEW, W=WORK BY OTHERS, M=MOVE

BEGIN PROJECT 9560-02-75
STA. 119+50.00

CENTERLINE RUMBLE STRIPS
NEXT 00 MILES
R1-01

TO REMAIN

SOUTH 141
TO REMAIN

MH

USH 141

119+00 120+00 121+00 122+00 123+00 124+00 125

MATCH LINE STA. 125+00.00

BETTERS CT
TO REMAIN

DEAD END
500 FEET
TO REMAIN

BETTERS CT.

SIGN
SPEED LIMIT 30
STOP
TO REMAIN
M1-01

NORTH 141
TO REMAIN
(ON LIGHT POST)

TUTAS ST.

2232 2301 2216 2224 2124 2116

GOODREAU ST
RIVER ST
MOVE BY OTHERS*
W1-01
STOP
TO REMAIN

SPEED LIMIT 30
TO REMAIN

GOODREAU ST.

SHATTUCK PARK
MOVE BY OTHERS*
W1-02

MATCH LINE STA. 125+00.00

126+00 127+00 128+00 129+00 130+00 131

USH 141

MATCH LINE STA. 131+00.00

TUTAS ST
RIVER ST
TO REMAIN

2225 2217 2209 2201 2133 2125 2117 2109

SHATTUCK PARK
TO REMAIN
(ON LIGHT POST)

SPEED LIMIT 30
TO REMAIN
(ON LIGHT POST)

STOP
TO REMAIN

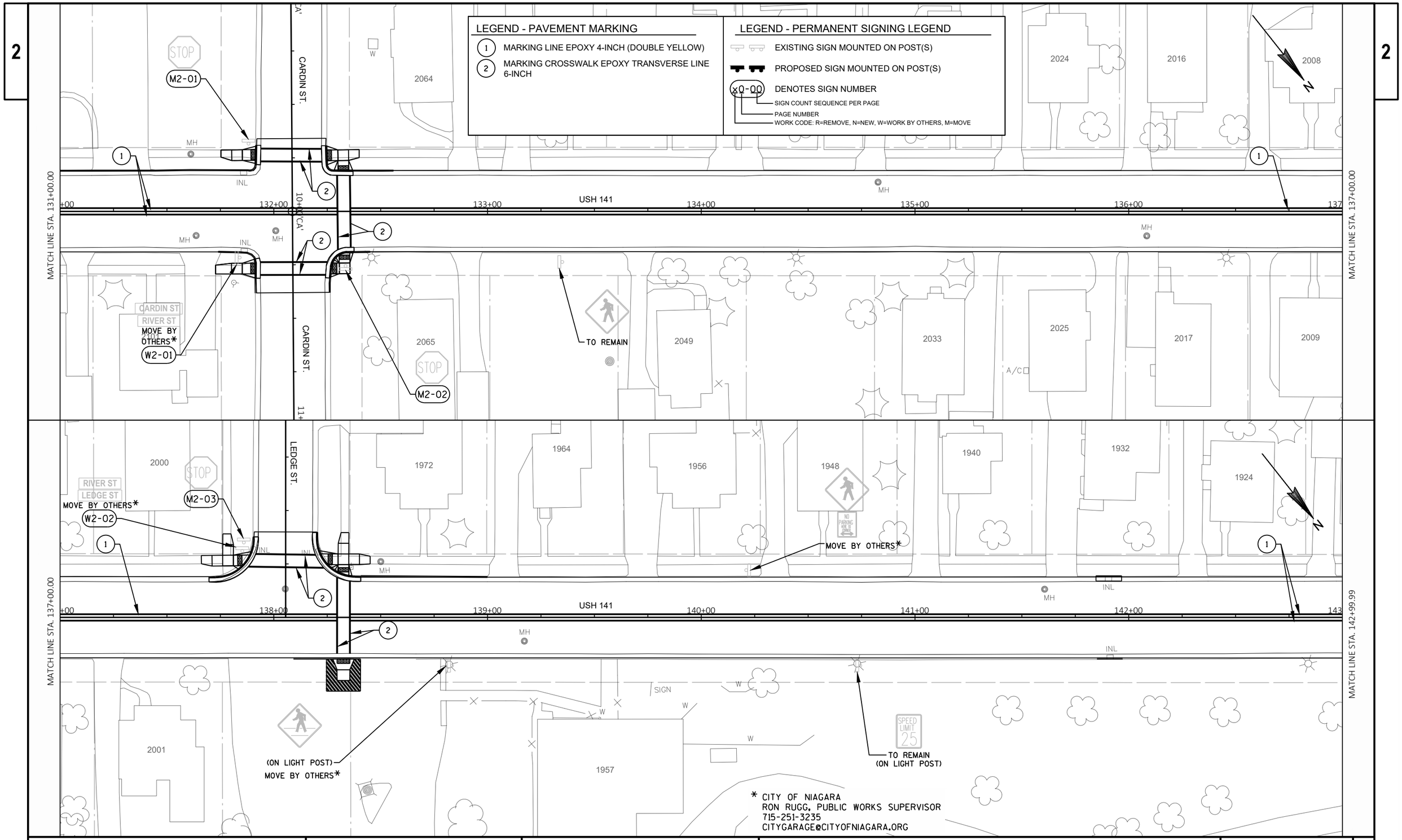
STOP
M1-02

A/C

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RON RUGG, PUBLIC WORKS SUPERVISOR
715-251-3235
CITYGARAGE@CITYOFNIAGARA.ORG

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EXISTING SIGN REMOVAL, PERMANENT SIGNING & PAVEMENT MARKING	SHEET 92	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\023201_PS TO 023208_PS (PERM SIGNS AND PAVEMENT MARKING).DWG
LAYOUT NAME - 023201_ps
PLOT DATE : 4/15/2019 2:21 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EXISTING SIGN REMOVAL, PERMANENT SIGNING & PAVEMENT MARKING	SHEET 93	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\023201_PS TO 023208_PS (PERM SIGNS AND PAVEMENT MARKING).DWG
LAYOUT NAME - 023202_ps
PLOT DATE : 4/15/2019 2:22 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

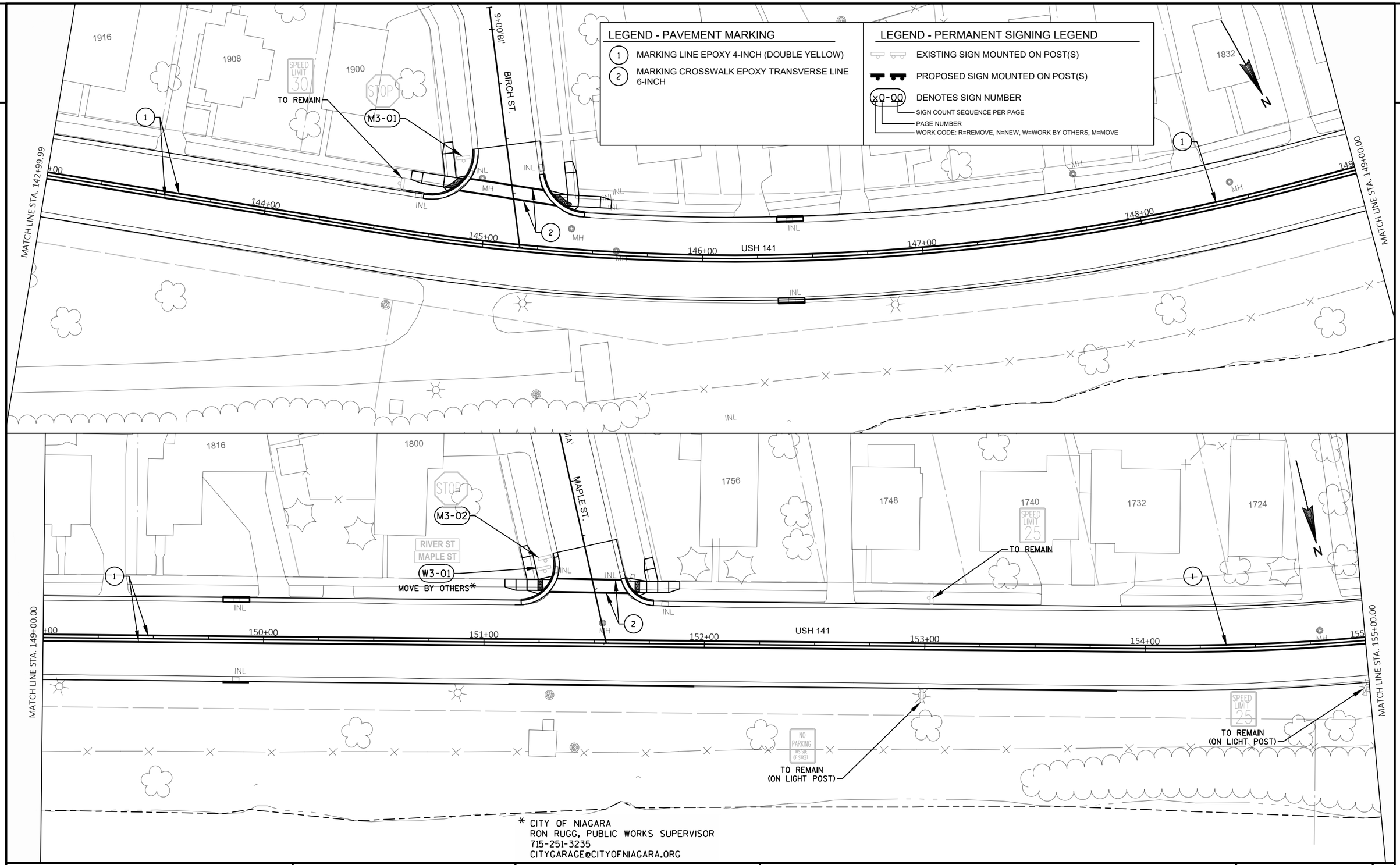
2

LEGEND - PAVEMENT MARKING

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

LEGEND - PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- x0-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, N=NEW, W=WORK BY OTHERS, M=MOVE



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EXISTING SIGN REMOVAL, PERMANENT SIGNING & PAVEMENT MARKING	SHEET 94	E

2

LEGEND - PAVEMENT MARKING

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

LEGEND - PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- x0-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, N=NEW, W=WORK BY OTHERS, M=MOVE

N

HEMLOCK ST.

M4-01

R4-06

W4-03

MOVE BY OTHERS*

RIVER ST

HEMLOCK ST

STOP

SOUTH 141

1716 1708 1700

MATCH LINE STA. 155+00.00

155+00 156+00 157+00 158+00 159+00 160+00

USH 141

MH

INL

MATCH LINE STA. 161+00.00

NORTH 141

R4-07

(ON LIGHT POST)

1705 1701 1673 1665 1657 1649 1641 1633

PINE ST.

PINE ST

RIVER ST

MOVE BY OTHERS*

W4-01

R1-1 30"X30"

N4-01

R4-01

1632 1624 1616 1608 1604

MOVE BY OTHERS*

W4-02

SPEED LIMIT 25

R2-1 24"X30"

N4-02

R4-02

STATUE

SIGN

MATCH LINE STA. 161+00.00

162+00 163+00 164+00 165+00 166+00

USH 141

10"W

8"W

TO REMAIN

(ON LIGHT POST)

1625 1617 1609

R1-1 30"X30"

N4-03

R4-03

PINE ST.

NO PARKING

R7-1-D 18"X24"

N4-04

R4-04

NO PARKING

R7-1-D 18"X24"

N4-05

R4-05

1517 1509 1501

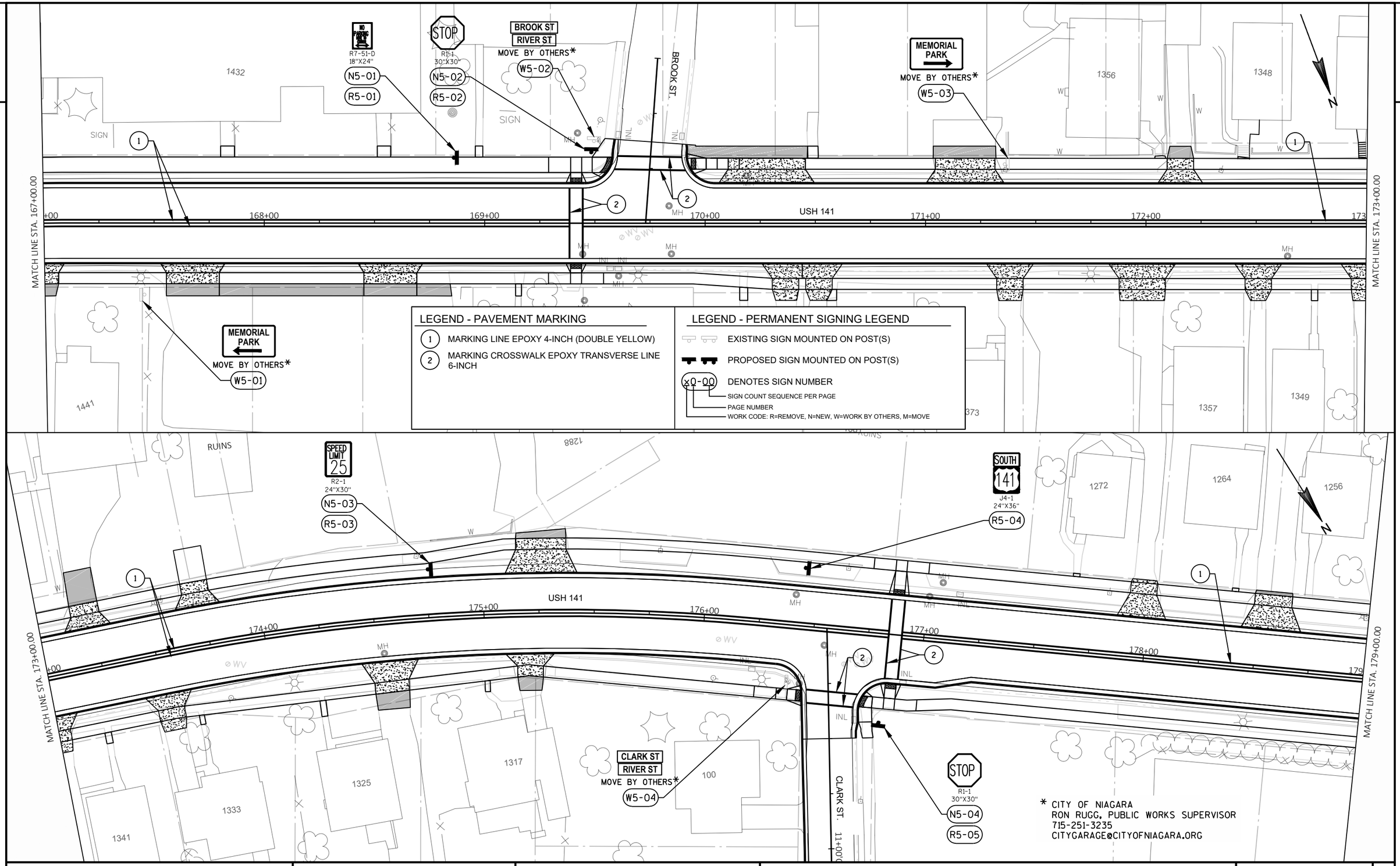
MATCH LINE STA. 167+00.00

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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EXISTING SIGN REMOVAL, PERMANENT SIGNING & PAVEMENT MARKING	SHEET 95	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\023201_PS TO 023208_PS (PERM SIGNS AND PAVEMENT MARKING).DWG
LAYOUT NAME - 023204_ps
PLOT DATE : 4/15/2019 2:24 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2



LEGEND - PAVEMENT MARKING

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

LEGEND - PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- x0-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, N=NEW, W=WORK BY OTHERS, M=MOVE

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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EXISTING SIGN REMOVAL, PERMANENT SIGNING & PAVEMENT MARKING	SHEET 96	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\023201_PS TO 023208_PS (PERM SIGNS AND PAVEMENT MARKING).DWG
LAYOUT NAME - 023205_ps
PLOT DATE : 4/15/2019 2:25 PM
PLOT BY : BRETT PETERSON
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

LEGEND - PAVEMENT MARKING

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

LEGEND - PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- x0-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, N=NEW, W=WORK BY OTHERS, M=MOVE

MATCH LINE STA. 179+00.00

MATCH LINE STA. 185+00.00

MATCH LINE STA. 185+00.00

MATCH LINE STA. 191+00.00

USH 141

MAIN ST.

SCHOOL ST.

R7-1-D 18"X24" NO PARKING
N6-01
R6-01

RIGHT LANE ENDS 500FT
REMOVE
R6-02

R2-1 24"X30" SPEED LIMIT 25
N6-02
R6-03

R1-1 30"X30" STOP
N6-03
R6-04

R1-1 30"X30" STOP
N6-04
R6-05

MAIN ST
SCHOOL ST
MOVE BY OTHERS*
W6-01

J4-1 24"X36" NORTH 141
R6-06

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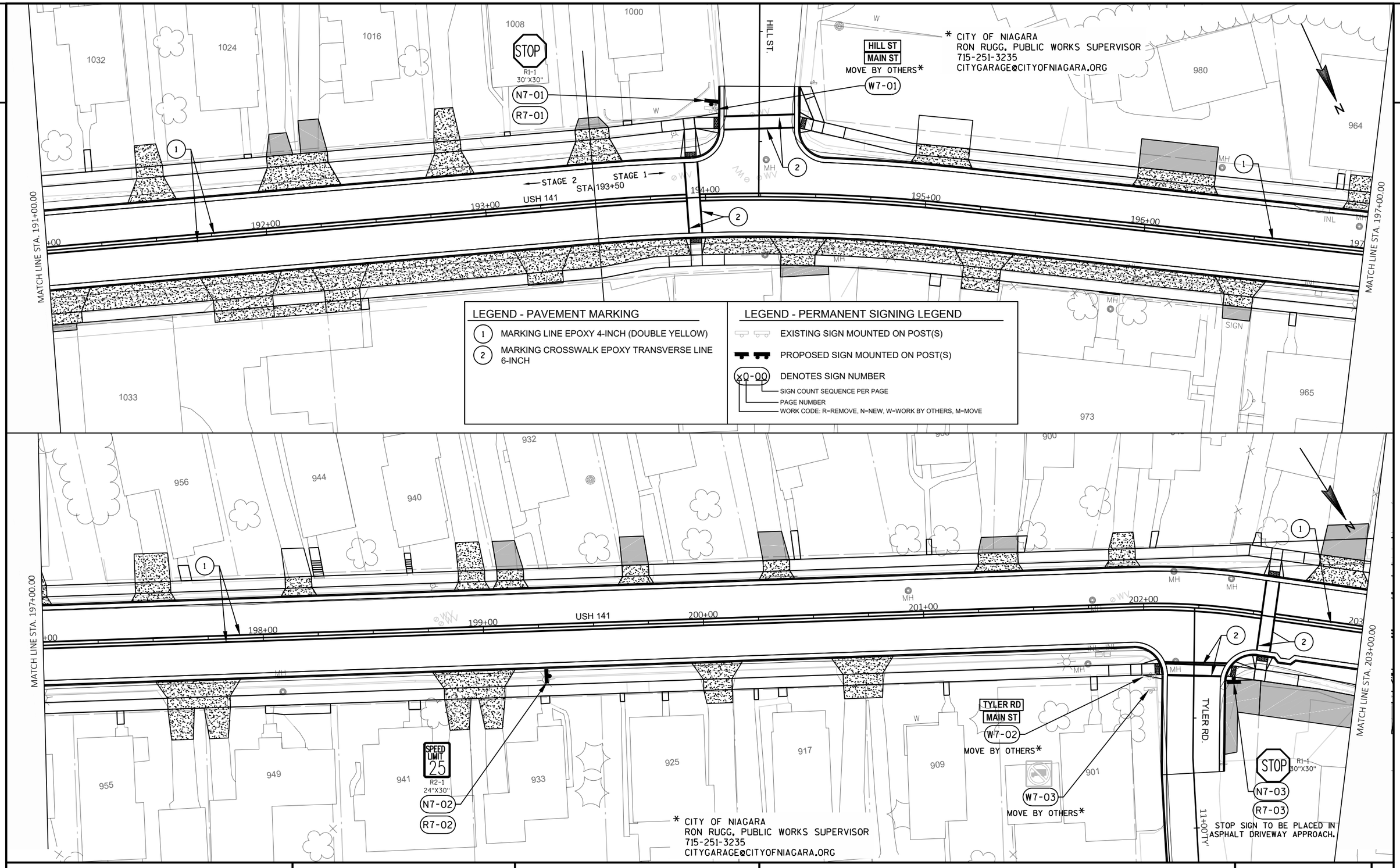
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EXISTING SIGN REMOVAL, PERMANENT SIGNING & PAVEMENT MARKING	SHEET 97	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\023201_PS TO 023208_PS (PERM SIGNS AND PAVEMENT MARKING).DWG
LAYOUT NAME - 023206_ps

PLOT DATE : 4/15/2019 2:26 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

2



LEGEND - PAVEMENT MARKING

1	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

LEGEND - PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- x0-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, N=NEW, W=WORK BY OTHERS, M=MOVE

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EXISTING SIGN REMOVAL, PERMANENT SIGNING & PAVEMENT MARKING	SHEET 98	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\023201_PS TO 023208_PS (PERM SIGNS AND PAVEMENT MARKING).DWG
LAYOUT NAME - 023207_ps
PLOT DATE : 4/15/2019 2:27 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

MAIN ST
VINE CT
MOVE BY OTHERS*
W8-01

STOP
R1-1
30"X30"
N8-01
R8-01

VINE ST.
1+00+6

LEGEND - PAVEMENT MARKING

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH

LEGEND - PERMANENT SIGNING LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- x0-00 DENOTES SIGN NUMBER
  - SIGN COUNT SEQUENCE PER PAGE
  - PAGE NUMBER
  - WORK CODE: R=REMOVE, N=NEW, W=WORK BY OTHERS, M=MOVE

141
REMOVE
R8-02

SPEED LIMIT 25
R2-1
24"X30"
N8-03
R8-03

MATCH LINE STA. 203+00.00

MATCH LINE STA. 209+00.00

204+00
205+00
206+00
207+00
208+00

USH 141

SIGN
SIGN
STATUE
881
MH
INL
W
T

JCT COUNTY N
J1-1
24"X39"
N8-04
R8-04

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N

708
700
604
4TH ST.

SOUTH 141
J4-1
24"X36"
(PLACE ON UTILITY POLE)
N8-02

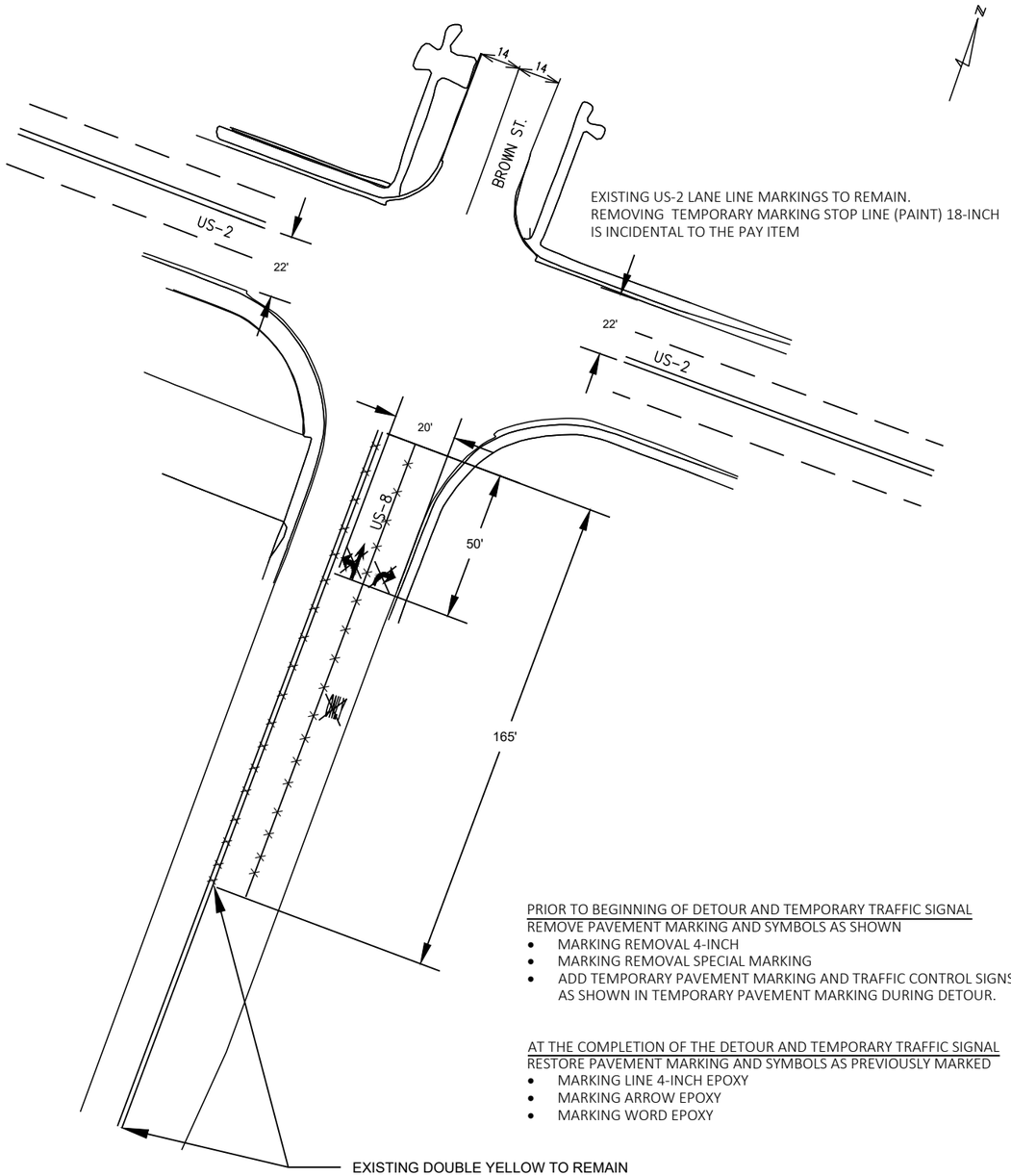
MATCH LINE STA. 209+00.00

210+00
211+00
212+00
213+00

USH 141

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	EXISTING SIGN REMOVAL, PERMANENT SIGNING & PAVEMENT MARKING	SHEET 99	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\023201_PS TO 023208_PS (PERM SIGNS AND PAVEMENT MARKING).DWG
LAYOUT NAME - 023208_ps
PLOT DATE : 4/15/2019 2:28 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



EXISTING US-2 LANE LINE MARKINGS TO REMAIN.
REMOVING TEMPORARY MARKING STOP LINE (PAINT) 18-INCH IS INCIDENTAL TO THE PAY ITEM

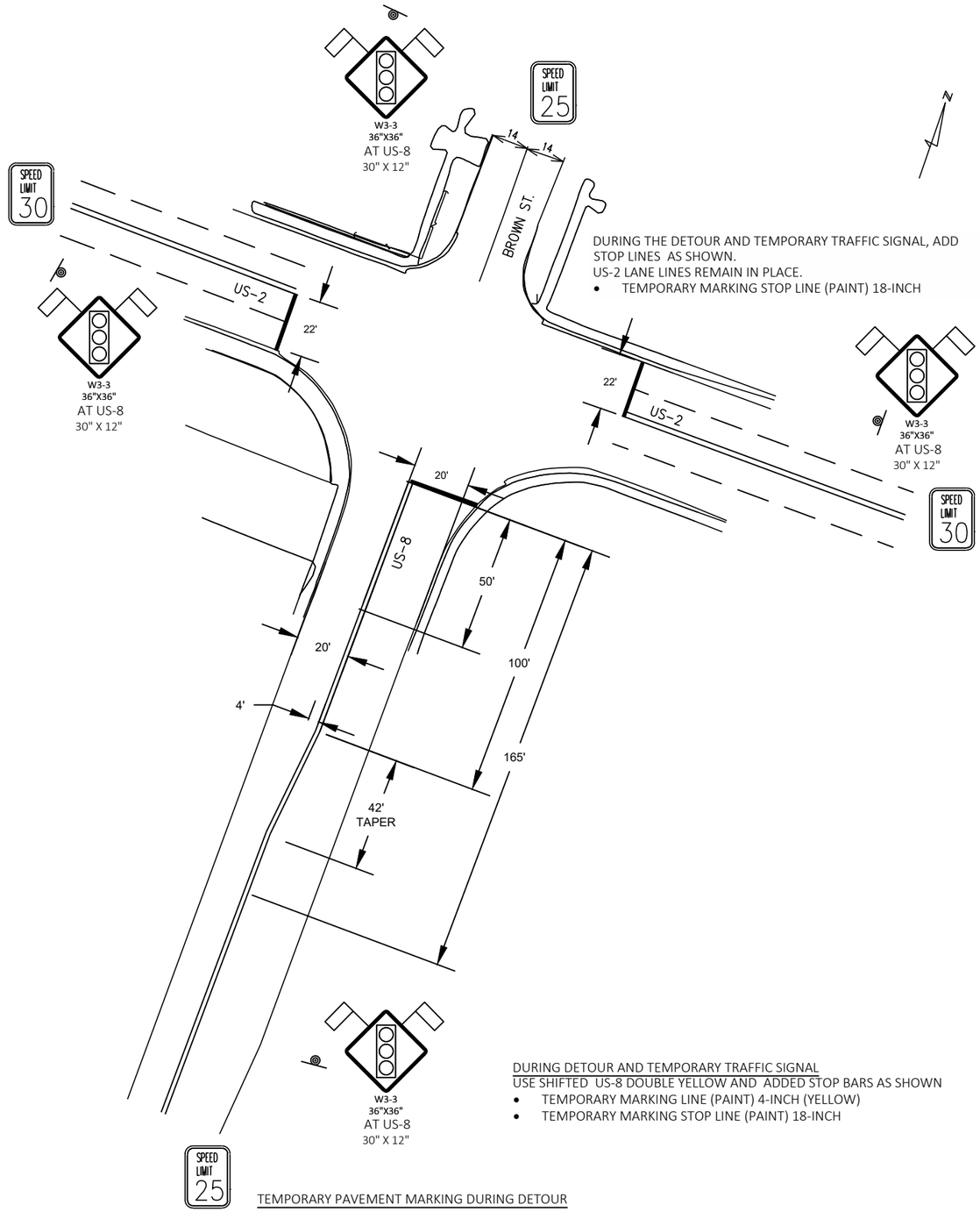
PRIOR TO BEGINNING OF DETOUR AND TEMPORARY TRAFFIC SIGNAL
REMOVE PAVEMENT MARKING AND SYMBOLS AS SHOWN

- MARKING REMOVAL 4-INCH
- MARKING REMOVAL SPECIAL MARKING
- ADD TEMPORARY PAVEMENT MARKING AND TRAFFIC CONTROL SIGNS AS SHOWN IN TEMPORARY PAVEMENT MARKING DURING DETOUR.

AT THE COMPLETION OF THE DETOUR AND TEMPORARY TRAFFIC SIGNAL
RESTORE PAVEMENT MARKING AND SYMBOLS AS PREVIOUSLY MARKED

- MARKING LINE 4-INCH EPOXY
- MARKING ARROW EPOXY
- MARKING WORD EPOXY

PAVEMENT MARKING REMOVAL AND RESTORATION



DURING THE DETOUR AND TEMPORARY TRAFFIC SIGNAL, ADD STOP LINES AS SHOWN.
US-2 LANE LINES REMAIN IN PLACE.

- TEMPORARY MARKING STOP LINE (PAINT) 18-INCH

DURING DETOUR AND TEMPORARY TRAFFIC SIGNAL
USE SHIFTED US-8 DOUBLE YELLOW AND ADDED STOP BARS AS SHOWN

- TEMPORARY MARKING LINE (PAINT) 4-INCH (YELLOW)
- TEMPORARY MARKING STOP LINE (PAINT) 18-INCH

TEMPORARY PAVEMENT MARKING DURING DETOUR

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	US-2/ US-8 PAVEMENT MARKING TEMPORARY AND PERMANENT, CITY OF NORWAY, MI	SHEET 100	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\023209_PM_09_NORWAY.DWG
LAYOUT NAME - _01 TEMPORARY
PLOT DATE : 3/25/2019 9:30 AM PLOT BY : MARY PAMPERIN-VOLK PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

TEMPORARY TRAFFIC SIGNAL GENERAL NOTES

1. EXISTING O.H. & T.S. FACILITIES ARE NOT NECESSARILY SHOWN ON PLANS.
2. INSTALL WOOD POLES SO AS NOT TO INTERFERE WITH TRAFFIC OR FUTURE CONSTRUCTION STAGES.
3. A MINIMUM CLEARANCE OF 3'- 6" HORIZONTAL & 1'- 0" VERTICAL MUST BE MAINTAINED BETWEEN PROPOSED FACILITIES & EXISTING U.G WATER FACILITIES.
4. CONTACT LOCAL TELEPHONE COMPANY AND M.D.O.T FOR INSTALATION OF LOCAL TELEPHONE COMPANY SERVICE (INTERCONNECT).
5. CONTACT STATEWIDE SIGNAL SHOP (M.D.O.T.) (517)322-3360 SEVEN WORKING DAYS PRIOR TO INSTALLATION AND INSPECTION OF TRAFFIC SIGNALS.
6. NO CHANGES FROM PLANS IN LOCATION OF SUPPORTING STRUCTURES, SIGNAL HEAD PLACEMENT OR TRAFFIC SIGNAL EQUIPMENT WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE MICHIGAN DEPARTMENT OF TRANSPORTATION, TRAFFIC AND SAFETY DIVISION. TRAFFIC SIGNALS UNIT IN LANSING, MI: PHONE: (517)373-2323.
7. CONTRACTOR SHALL DELIVER WHERE REQUIRED TO THE MICHIGAN DEPARTMENT OF TRANSPORTATION T.S. CABINET AND CONTROLLER FOR TIMING. CONTRACTOR SHALL PICK-UP CABINET FROM M.D.O.T. WHEN READY FOR INSTALLATION.

MISS DIG/UNDERGROUND UTILITY NOTIFICATION

FOR THE PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CONTACT MISS DIG SYSTEM, INC. BY PHONE AT 811 OR 800-482-7171 OR VIA THE WEB AT EITHER ELOCATE.MISSDIG.ORG FOR SINGLE ADDRESS OR RTE.MISSDIG.ORG, A MINIMUM OF 3 WORK DAYS PRIOR TO EXCAVATING, EXCLUDING WEEKENDS AND HOLIDAYS.

LEGEND

- CONTROL CABINET
- SIGNAL HEAD
- LUMINAIRE
- [X] SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- WOOD POLE
- OH OVERHEAD TRAFFIC SIGNAL CABLE

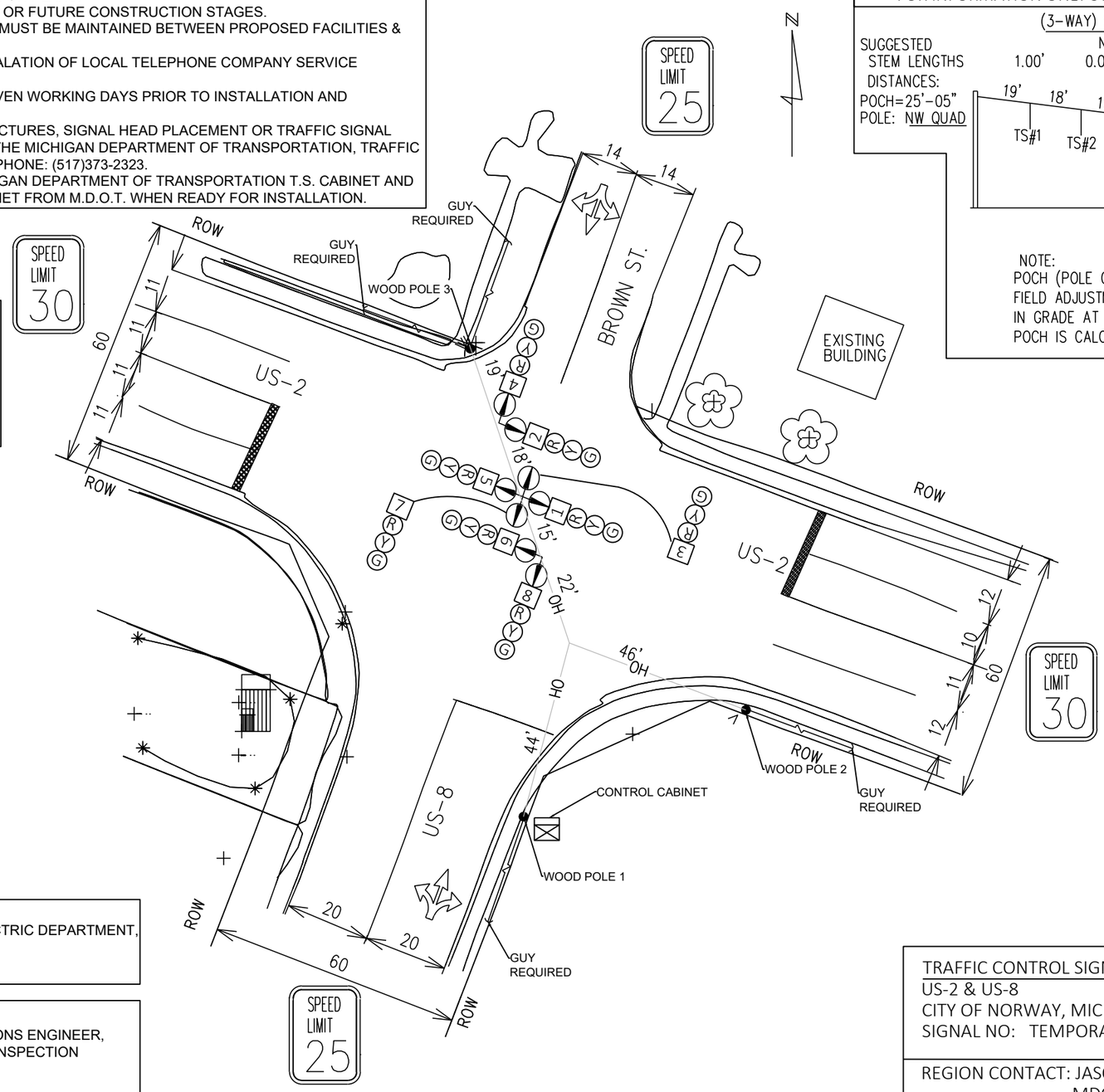
SPV.0055.01 ELECTRICAL SERVICE DISCONNECT/RECONNECT (LS)

CONTACT: MR. TIM BREW, CITY OF NORWAY POWER AND LIGHT ELECTRIC DEPARTMENT, AT 906-563-9641 TO SCHEDULE SERVICE DISCONNET/RECONNECT.
COST TO CONTRACTOR: $1,200

SPV.0055.02 TEMPORARY TRAFFIC SIGNAL INSPECTION (LS)

CONTACT: MR. JASON DEGRAND MDOT SUPERIOR REGION OPERATIONS ENGINEER, AT 906-786-1830 X 316 TO SCHEDULE TEMPORARY TRAFFIC SIGNAL INSPECTION
COST TO CONTRACTOR: $2,000

FOR ELECTRICAL SERVICE INSPECTION CONTACT THE MICHIGAN DEPARTMENT OF LABOR AND ECONOMIC GROWTH AT 906-485-1437.
COST TO CONTRACTOR WILL BE INCIDENTAL.



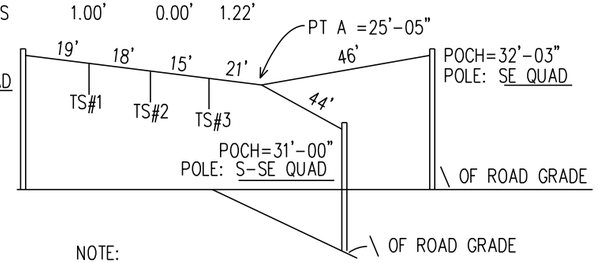
FOR INFORMATION ONLY SUGGESTED CABLE SPAN CALCULATIONS

(3-WAY) SPAN CALCULATIONS

NOT TO SCALE

SUGGESTED STEM LENGTHS 1.00' 0.00' 1.22'

DISTANCES:
POCH=25'-05"
POLE: NW QUAD



NOTE:
POCH (POLE CONTACT HEIGHT) IS SHOWN ABOVE \ GRADE, FIELD ADJUSTMENTS ARE TO BE MADE FOR ANY DIFFERENCE IN GRADE AT POLE VS. ROAD GRADE.
POCH IS CALCULATED AT 1000 POUNDS TENSION.

TRAFFIC CONTROL SIGNAL
US-2 & US-8
CITY OF NORWAY, MICHIGAN
SIGNAL NO: TEMPORARY

REGION CONTACT: JASON DeGRAND, PE
MDOT SUPERIOR REGION OPERATIONS ENGINEER
906-786-1830 x316

DESIGNED BY: SRIJAN ADHIKARI, PE - TRANSPART/EJM

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	TEMPORARY TRAFFIC SIGNAL US-2 @ US-8 , CITY OF NORWAY MICHIGAN	SHEET 101	E

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1-2	R
Ø3		
Ø4	3-4	R
Ø5		
Ø6	5-6	R
Ø7		
Ø8	7-8	R

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				
2		6	MAX	X
3				
4		8	MAX	X
5				
6		2	MAX	X
7				
8		4	MAX	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
* LOCATION OF MASTER CONTROLLER NO. S-	
SIGNAL SYSTEM NO: SS-	

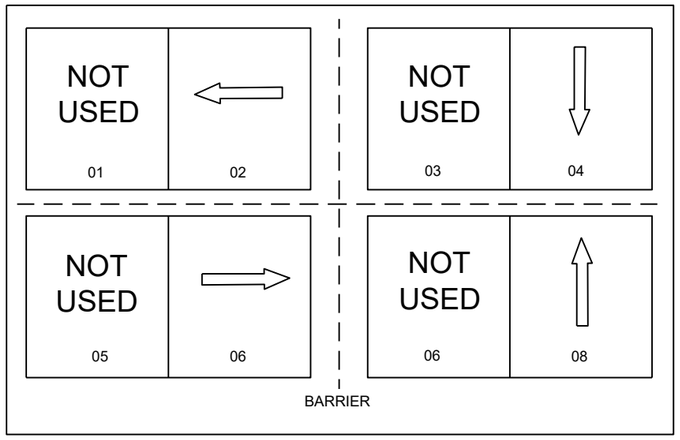
TYPE OF INTERCONNECT/ COMMUNICATION	
NONE	X
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	

TYPE OF LIGHTING	
BY OTHER AGENCY	X
IN TRAFFIC CABINET	
IN SEPARATE LIGHTING CABINET	

TYPE OF PRE-EMPTION	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GPS	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

SIGNAL TIMING						
	AM/OP/PM					
PHASE	GREEN	YELLOW	RED	TOTAL	MODE	OFFSET
2	17.5/17.5/18.5	3.5	3	24/24/25	PRETIMED	NONE
4	29.5/29.5/28.5	3	3.5	36/36/35	PRETIMED	NONE
6	17.5/17.5/18.5	3.5	3	24/24/25	PRETIMED	NONE
8	29.5/29.5/28.5	3	3.5	36/36/35	PRETIMED	NONE

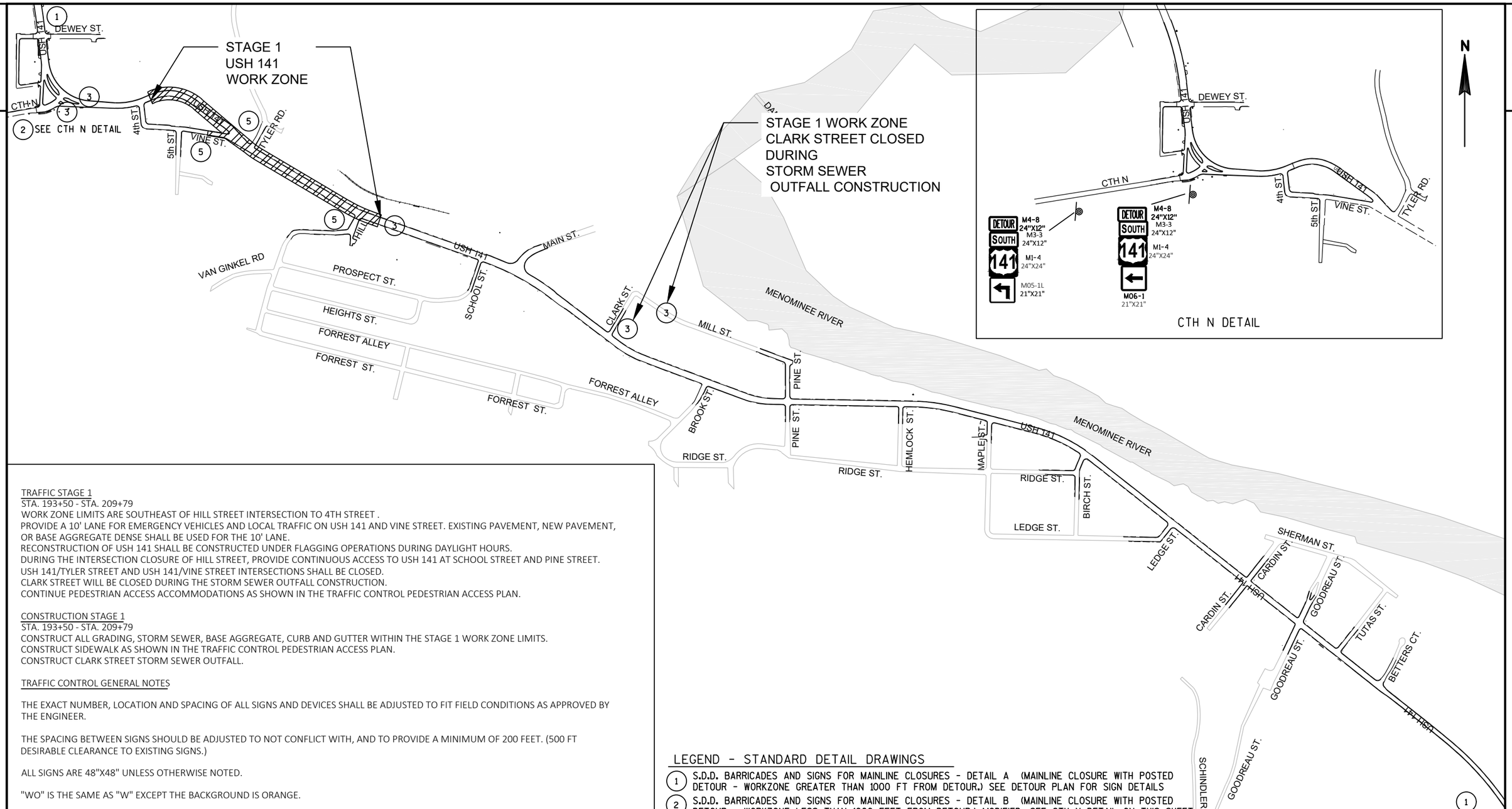
AM/OP = DIAL 1 - SPLIT 1 6 AM - 3 PM AND 7 PM - 6 AM
PM = DIAL 2 - SPLIT 1 3 PM - 7 PM



TRAFFIC CONTROL SIGNAL
US-2 & US-8
CITY OF NORWAY, MICHIGAN
SIGNAL NO: TEMPORARY

REGION CONTACT: JASON DeGRAND, PE
MDOT SUPERIOR REGION OPERATIONS ENGINEER
906-786-1830 x316

DESIGNED BY: SRIJAN ADHIKARI, PE - TRANSPART/EJM



TRAFFIC STAGE 1
STA. 193+50 - STA. 209+79
WORK ZONE LIMITS ARE SOUTHEAST OF HILL STREET INTERSECTION TO 4TH STREET .
PROVIDE A 10' LANE FOR EMERGENCY VEHICLES AND LOCAL TRAFFIC ON USH 141 AND VINE STREET. EXISTING PAVEMENT, NEW PAVEMENT, OR BASE AGGREGATE DENSE SHALL BE USED FOR THE 10' LANE.
RECONSTRUCTION OF USH 141 SHALL BE CONSTRUCTED UNDER FLAGGING OPERATIONS DURING DAYLIGHT HOURS.
DURING THE INTERSECTION CLOSURE OF HILL STREET, PROVIDE CONTINUOUS ACCESS TO USH 141 AT SCHOOL STREET AND PINE STREET.
USH 141/TYLER STREET AND USH 141/VINE STREET INTERSECTIONS SHALL BE CLOSED.
CLARK STREET WILL BE CLOSED DURING THE STORM SEWER OUTFALL CONSTRUCTION.
CONTINUE PEDESTRIAN ACCESS ACCOMMODATIONS AS SHOWN IN THE TRAFFIC CONTROL PEDESTRIAN ACCESS PLAN.

CONSTRUCTION STAGE 1
STA. 193+50 - STA. 209+79
CONSTRUCT ALL GRADING, STORM SEWER, BASE AGGREGATE, CURB AND GUTTER WITHIN THE STAGE 1 WORK ZONE LIMITS.
CONSTRUCT SIDEWALK AS SHOWN IN THE TRAFFIC CONTROL PEDESTRIAN ACCESS PLAN.
CONSTRUCT CLARK STREET STORM SEWER OUTFALL.

TRAFFIC CONTROL GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH, AND TO PROVIDE A MINIMUM OF 200 FEET. (500 FT DESIRABLE CLEARANCE TO EXISTING SIGNS.)

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "INUSE" SHALL BE PROVIDED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT ARE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A STOP SIGN MUST BE REMOVED FOR WORK OPERATIONS, A TEMPORARY STOP SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

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LEGEND - STANDARD DETAIL DRAWINGS

1. S.D.D. BARRICADES AND SIGNS FOR MAINLINE CLOSURES - DETAIL A (MAINLINE CLOSURE WITH POSTED DETOUR - WORKZONE GREATER THAN 1000 FT FROM DETOUR.) SEE DETOUR PLAN FOR SIGN DETAILS
2. S.D.D. BARRICADES AND SIGNS FOR MAINLINE CLOSURES - DETAIL B (MAINLINE CLOSURE WITH POSTED DETOUR - WORKZONE LESS THAN 1000 FEET FROM DETOUR.) MODIFIED, SEE CTH N DETAIL ON THIS SHEET
3. S.D.D. BARRICADES AND SIGN FOR VARIOUS CLOSURES - DETAIL E (LANE CLOSURE BARRICADE DETAIL)
4. S.D.D. BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 1 (NO ACCESS TO PROJECT)
5. S.D.D. BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 4 (CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

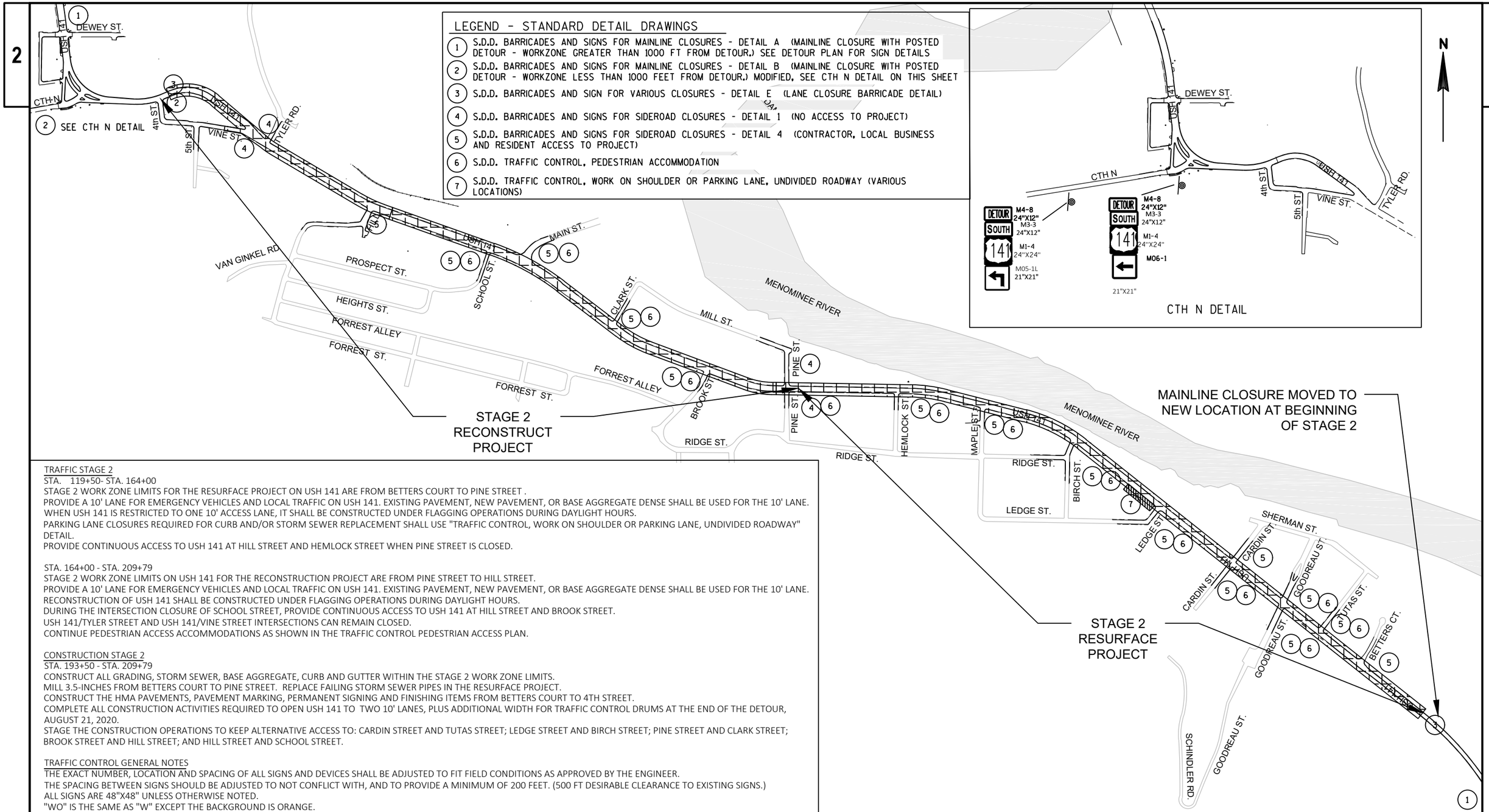
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	TRAFFIC CONTROL STAGE 1	SHEET 103	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\026001_TC.DWG
LAYOUT NAME - STAGE 1
PLOT DATE : 5/24/2019 10:52 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:800 FT

LEGEND - STANDARD DETAIL DRAWINGS

1. S.D.D. BARRICADES AND SIGNS FOR MAINLINE CLOSURES - DETAIL A (MAINLINE CLOSURE WITH POSTED DETOUR - WORKZONE GREATER THAN 1000 FT FROM DETOUR.) SEE DETOUR PLAN FOR SIGN DETAILS
2. S.D.D. BARRICADES AND SIGNS FOR MAINLINE CLOSURES - DETAIL B (MAINLINE CLOSURE WITH POSTED DETOUR - WORKZONE LESS THAN 1000 FEET FROM DETOUR.) MODIFIED, SEE CTH N DETAIL ON THIS SHEET
3. S.D.D. BARRICADES AND SIGN FOR VARIOUS CLOSURES - DETAIL E (LANE CLOSURE BARRICADE DETAIL)
4. S.D.D. BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 1 (NO ACCESS TO PROJECT)
5. S.D.D. BARRICADES AND SIGNS FOR SIDEROAD CLOSURES - DETAIL 4 (CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)
6. S.D.D. TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
7. S.D.D. TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY (VARIOUS LOCATIONS)

CTH N DETAIL



TRAFFIC STAGE 2
STA. 119+50- STA. 164+00
STAGE 2 WORK ZONE LIMITS FOR THE RESURFACE PROJECT ON USH 141 ARE FROM BETTERS COURT TO PINE STREET .
PROVIDE A 10' LANE FOR EMERGENCY VEHICLES AND LOCAL TRAFFIC ON USH 141. EXISTING PAVEMENT, NEW PAVEMENT, OR BASE AGGREGATE DENSE SHALL BE USED FOR THE 10' LANE.
WHEN USH 141 IS RESTRICTED TO ONE 10' ACCESS LANE, IT SHALL BE CONSTRUCTED UNDER FLAGGING OPERATIONS DURING DAYLIGHT HOURS.
PARKING LANE CLOSURES REQUIRED FOR CURB AND/OR STORM SEWER REPLACEMENT SHALL USE "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY" DETAIL.
PROVIDE CONTINUOUS ACCESS TO USH 141 AT HILL STREET AND HEMLOCK STREET WHEN PINE STREET IS CLOSED.

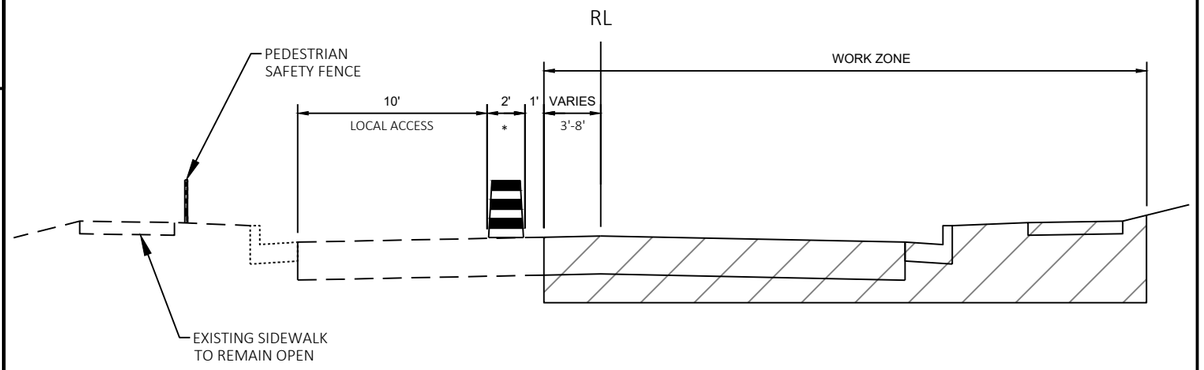
STA. 164+00 - STA. 209+79
STAGE 2 WORK ZONE LIMITS ON USH 141 FOR THE RECONSTRUCTION PROJECT ARE FROM PINE STREET TO HILL STREET.
PROVIDE A 10' LANE FOR EMERGENCY VEHICLES AND LOCAL TRAFFIC ON USH 141. EXISTING PAVEMENT, NEW PAVEMENT, OR BASE AGGREGATE DENSE SHALL BE USED FOR THE 10' LANE.
RECONSTRUCTION OF USH 141 SHALL BE CONSTRUCTED UNDER FLAGGING OPERATIONS DURING DAYLIGHT HOURS.
DURING THE INTERSECTION CLOSURE OF SCHOOL STREET, PROVIDE CONTINUOUS ACCESS TO USH 141 AT HILL STREET AND BROOK STREET.
USH 141/TYLER STREET AND USH 141/VINE STREET INTERSECTIONS CAN REMAIN CLOSED.
CONTINUE PEDESTRIAN ACCESS ACCOMMODATIONS AS SHOWN IN THE TRAFFIC CONTROL PEDESTRIAN ACCESS PLAN.

CONSTRUCTION STAGE 2
STA. 193+50 - STA. 209+79
CONSTRUCT ALL GRADING, STORM SEWER, BASE AGGREGATE, CURB AND GUTTER WITHIN THE STAGE 2 WORK ZONE LIMITS.
MILL 3.5-INCHES FROM BETTERS COURT TO PINE STREET. REPLACE FAILING STORM SEWER PIPES IN THE RESURFACE PROJECT.
CONSTRUCT THE HMA PAVEMENTS, PAVEMENT MARKING, PERMANENT SIGNING AND FINISHING ITEMS FROM BETTERS COURT TO 4TH STREET.
COMPLETE ALL CONSTRUCTION ACTIVITIES REQUIRED TO OPEN USH 141 TO TWO 10' LANES, PLUS ADDITIONAL WIDTH FOR TRAFFIC CONTROL DRUMS AT THE END OF THE DETOUR, AUGUST 21, 2020.
STAGE THE CONSTRUCTION OPERATIONS TO KEEP ALTERNATIVE ACCESS TO: CARDIN STREET AND TUTAS STREET; LEDGE STREET AND BIRCH STREET; PINE STREET AND CLARK STREET; BROOK STREET AND HILL STREET; AND HILL STREET AND SCHOOL STREET.

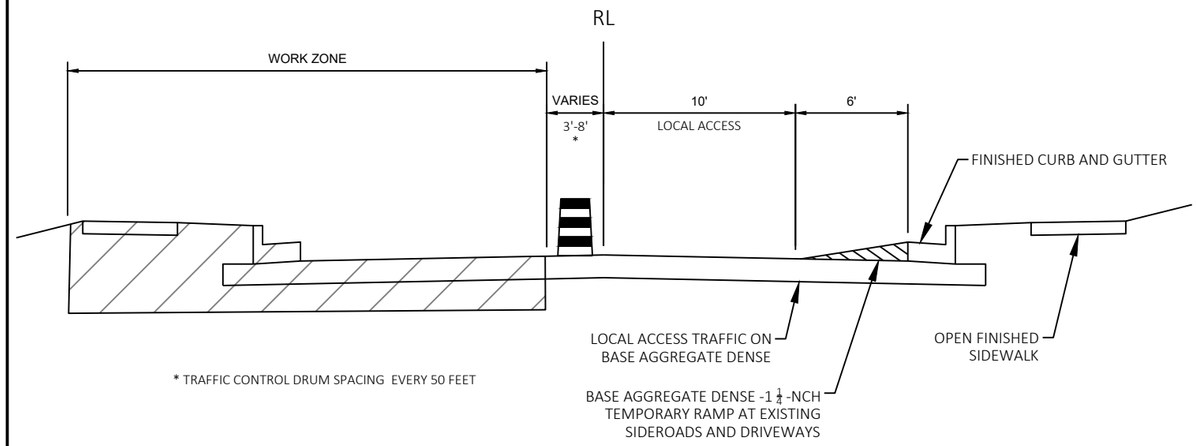
TRAFFIC CONTROL GENERAL NOTES
THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH, AND TO PROVIDE A MINIMUM OF 200 FEET. (500 FT DESIRABLE CLEARANCE TO EXISTING SIGNS.)
ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.
"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.
ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "INUSE" SHALL BE PROVIDED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.
SIGNS THAT ARE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
IF A STOP SIGN MUST BE REMOVED FOR WORK OPERATIONS, A TEMPORARY STOP SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

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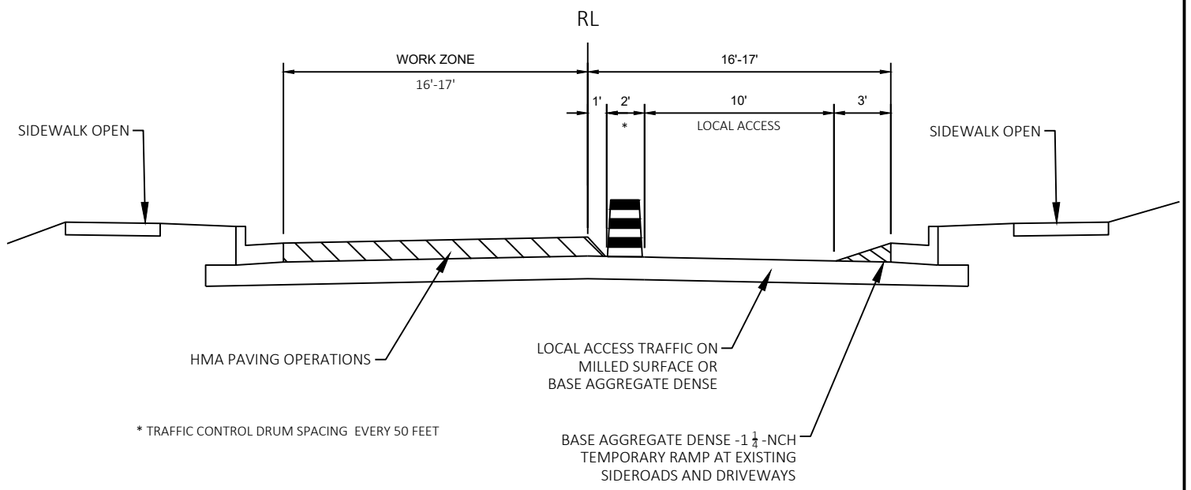
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	TRAFFIC CONTROL STAGE 2	SHEET 104	E



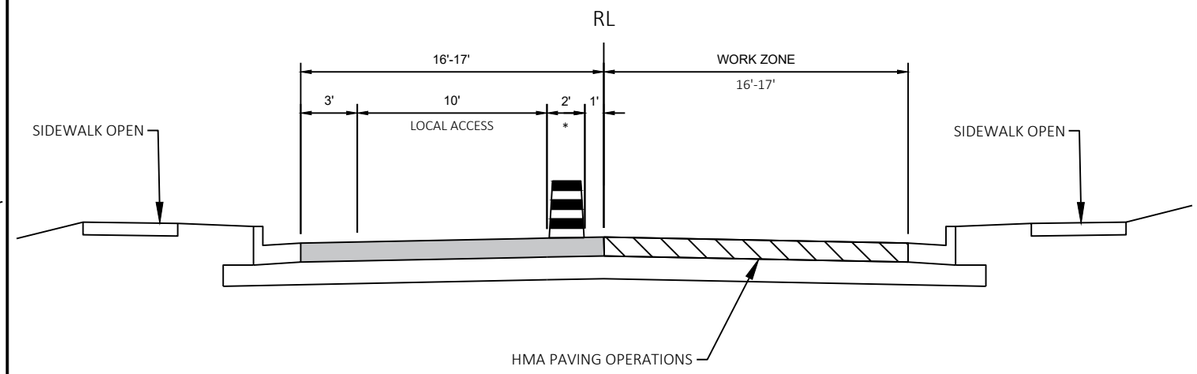
WORKZONE AND LOCAL ACCESS DETAIL
STAGE 1A - STA 193+50 to STA 209+79
STAGE 2A - STA 119+50 to STA 193+50



WORKZONE AND LOCAL ACCESS DETAIL
STAGE 1B - STA 193+50 to STA 209+79
STAGE 2B - STA 119+50 to STA 193+50



WORKZONE AND LOCAL ACCESS DETAIL - HMA PAVING
STAGE 2C - HMA PAVING STA 119+50 to STA 209+79



WORKZONE AND LOCAL ACCESS DETAIL - HMA PAVING
STAGE 2D - HMA PAVING STA 119+50 to STA 209+79

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	TRAFFIC CONTROL TYPICAL SECTIONS	SHEET 105	E

STAGE 1 PHASE 2 PEDESTRIAN ACCESS
PEDESTRIANS ON NEW NORTHBOUND
USH 141 SIDEWALK

STAGE 1 ROADWAY CONSTRUCTION

STAGE 2 ROADWAY CONSTRUCTION

STAGE 2 PHASE 2
PEDESTRIAN ACCESS
PEDESTRIANS ON
NEW NORTHBOUND
USH 141 SIDEWALK

STAGE 1 PHASE 1
PEDESTRIAN ACCESS
PEDESTRIANS ON EXISTING
SOUTHBOUND USH 141 SIDEWALK

STAGE 2 (RESURFACE PROJECT AND
RECONSTRUCT PROJECT ASPHALT PAVING)
ROADWAY CONSTRUCTION

STAGE 2 PHASE 1
PEDESTRIAN ACCESS
PEDESTRIANS ON EXISTING
SOUTHBOUND USH 141 SIDEWALK

DETOUR ROUTE

STAGE 2 PHASE 3 PEDESTRIAN ACCESS
PINE ST. TO 4TH ST.
PEDESTRIANS USING NEW SIDEWALK AND TEMPORARY PEDESTRIAN CROSSWALKS.

STAGE 2 PHASE 3 PEDESTRIAN ACCESS
PEDESTRIANS DETOURED ONTO LEDGE ST, BIRCH ST, RIDGE STREET, PINE ST.
CURB RAMP CONSTRUCTION STAGED TO KEEP EVERY OTHER INTERSECTION
CROSSING OPEN.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	TRAFFIC CONTROL PEDESTRIAN ACCESS OVERVIEW	SHEET 106	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\026002_TC_PEDESTRIAN.DWG
LAYOUT NAME - STAGING OVERVIEW
PLOT DATE : 3/1/2019 5:37 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:800 FT

HILL STREET TO END OF PROJECT
CONSTRUCT NEW SIDEWALK
ON USH 141 NORTHBOUND SIDE

STA. 203+60 - 206+70 RT
EXISTING SIDEWALK CLOSED
DURING STAGE 1 PHASE 1 CONSTRUCTION

DURING STAGE 1 ROADWAY CONSTRUCTION,
CONTINUE TO PROVIDE THE PEDESTRIAN CROSSING OF USH 141 AT SCHOOL ST INTERSECTION EXISTING CROSSWALK FOR ACCESS TO BUSINESSES ON THE NORTHBOUND SIDE OF USH 141.

ALTERNATELY, IF NEEDED, PROVIDE A TEMPORARY CROSS WALK: TEMPORARY CURB RAMP; TEMPORARY PEDESTRIAN SURFACE PLATE ; AND TEMPORARY PEDESTRIAN SAFETY FENCE IN A LOCATION APPROVED BY ENGINEER AS NEEDED TO PROVIDE.

PROTECT PEDESTRIAN ACCESS WITH TEMPORARY PEDESTRIAN SAFETY FENCE DURING HAZARDOUS ROADWAY CONSTRUCTION OPERATIONS.
DURING STORM SEWER CONSTRUCTION THAT CROSSES THE PEDESTRIAN ACCESS PATH, DIVERT THE PEDESTRIAN ACCESS PATH WITH TEMPORARY PEDESTRIAN SURFACE PLATE AND SAFETY FENCE AND TRAFFIC CONTROL DRUMS.

EXISTING SIDEWALK (TYP)

BROOK STREET TO VINE STREET PEDESTRIAN ACCESS STAGE 1 PHASE 1
EXISTING SOUTHBOUND SIDEWALK TO REMAIN OPEN FOR PEDESTRIAN ACCESS UNTIL THE COMPLETION OF THE CONSTRUCTION OF THE NORTHBOUND SIDEWALK AND CURB RAMPS.

TUTAS STREET TO HILL STREET PEDESTRIAN ACCESS STAGE 1
EXISTING SIDEWALK TO REMAIN OPEN FOR PEDESTRIAN ACCESS UNTIL STAGE 2 ROADWAY CONSTRUCTION

LEGEND

- TEMPORARY PEDESTRIAN CROSSWALK LOCATION
- TRAFFIC CONTROL BARRICADE TYPE II WITH ATTACHED SIGN
- (1) SIDEWALK CLOSED — R9-9 24"X12"
- (2) SIDEWALK CLOSED USE OTHER SIDE — R9-10 48"X24"
- (3) SIDEWALK CLOSED AHEAD CROSS HERE — R9-11 48"X30"
- (4) SIDEWALK CLOSED CROSS HERE — R9-11A 48"X24"
- (B) CONTINUOUS PEDESTRIAN ACCESS TO BUSINESS REQUIRED.

NOTES

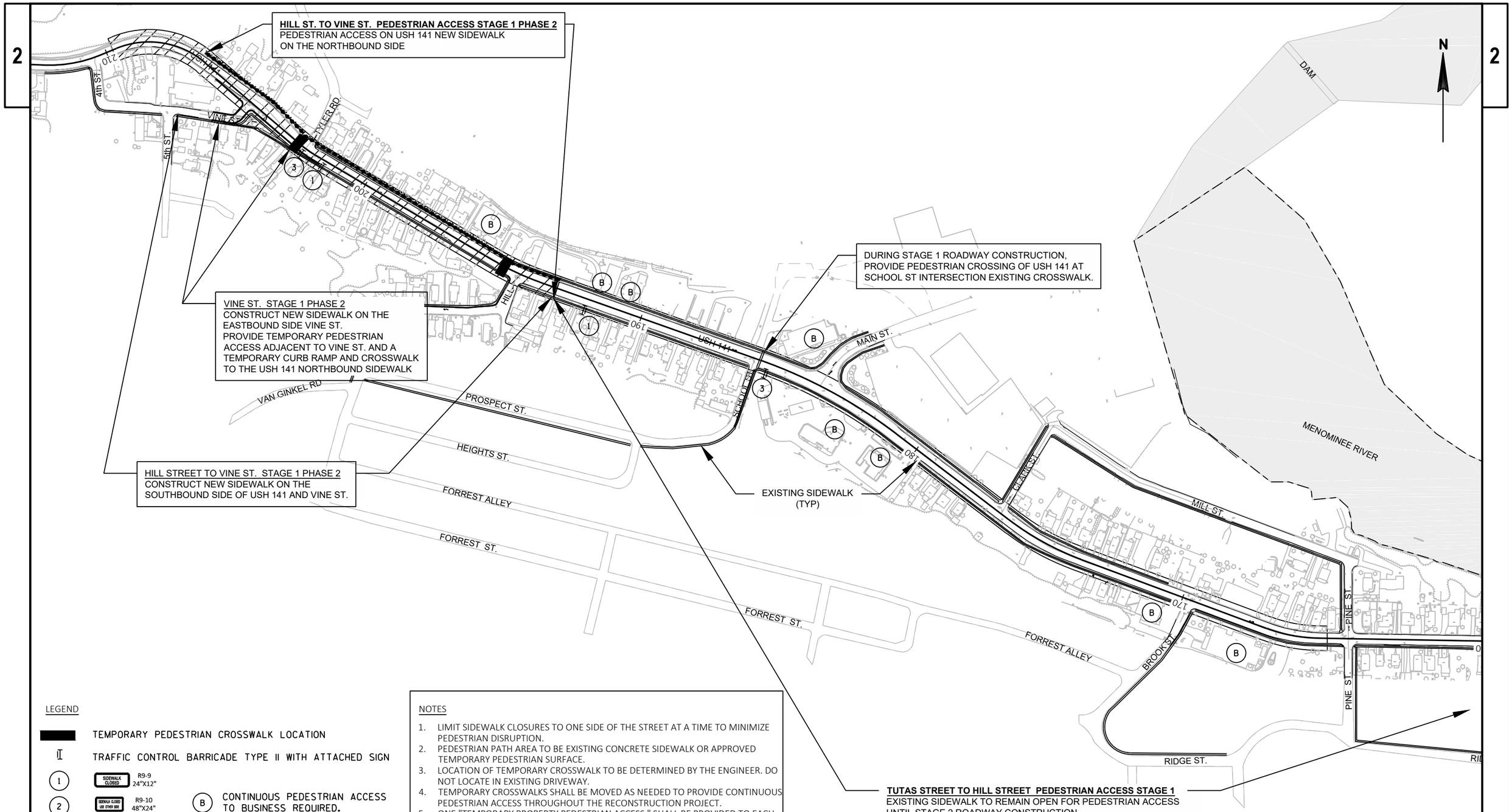
1. LIMIT SIDEWALK CLOSURES TO ONE SIDE OF THE STREET AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.
2. PEDESTRIAN PATH AREA TO BE EXISTING CONCRETE SIDEWALK OR APPROVED TEMPORARY PEDESTRIAN SURFACE.
3. LOCATION OF TEMPORARY CROSSWALK TO BE DETERMINED BY THE ENGINEER. DO NOT LOCATE IN EXISTING DRIVEWAY.
4. TEMPORARY CROSSWALKS SHALL BE MOVED AS NEEDED TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS THROUGHOUT THE RECONSTRUCTION PROJECT.
5. ONE "TEMPORARY PROPERTY PEDESTRIAN ACCESS " SHALL BE PROVIDED TO EACH BUSINESS/BUILDING ENTRANCE DOOR.
6. SEE DETAIL: RECONSTRUCT PROJECT - PEDESTRIAN ACCESS TYPICAL SECTION.

S.D.D.

- S.D.D. TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	TRAFFIC CONTROL PEDESTRIAN ACCESS PINE ST. - 4TH ST. STAGE1 PHASE 1	SHEET 107	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\026002_TC_PEDESTRIAN.DWG
LAYOUT NAME - RECST S1 PED ACCESS PHASE 1
PLOT DATE : 3/1/2019 5:36 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:800 FT
WISDOT/CADDS SHEET 42



LEGEND

- TEMPORARY PEDESTRIAN CROSSWALK LOCATION
- TRAFFIC CONTROL BARRICADE TYPE II WITH ATTACHED SIGN
- 1 — SIDEWALK CLOSED — R9-9 24"X12"
- 2 — SIDEWALK CLOSED USE OTHER SIDE — R9-10 48"X24"
- 3 — SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11 48"X30"
- 4 — SIDEWALK CLOSED / CROSS HERE — R9-11A 48"X24"
- B — CONTINUOUS PEDESTRIAN ACCESS TO BUSINESS REQUIRED.

NOTES

1. LIMIT SIDEWALK CLOSURES TO ONE SIDE OF THE STREET AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.
2. PEDESTRIAN PATH AREA TO BE EXISTING CONCRETE SIDEWALK OR APPROVED TEMPORARY PEDESTRIAN SURFACE.
3. LOCATION OF TEMPORARY CROSSWALK TO BE DETERMINED BY THE ENGINEER. DO NOT LOCATE IN EXISTING DRIVEWAY.
4. TEMPORARY CROSSWALKS SHALL BE MOVED AS NEEDED TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS THROUGHOUT THE RECONSTRUCTION PROJECT.
5. ONE "TEMPORARY PROPERTY PEDESTRIAN ACCESS " SHALL BE PROVIDED TO EACH BUSINESS/BUILDING ENTRANCE DOOR.
6. SEE DETAIL: RECONSTRUCT PROJECT - PEDESTRIAN ACCESS TYPICAL SECTION.

S.D.D.

- S.D.D. TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	TRAFFIC CONTROL PEDESTRIAN ACCESS PINE ST. - 4TH ST. STAGE1 PHASE 2	SHEET 108	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\026002_TC_PEDESTRIAN.DWG
LAYOUT NAME - RECST S1 PED ACCESS PHASE 2
PLOT DATE : 3/1/2019 5:33 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:800 FT
WISDOT/CADDS SHEET 42

HILL ST. TO 4TH ST. PEDESTRIAN ACCESS STAGE 2 PHASE 1
NEW SIDEWALK ON THE NORTHBOUND SIDE OF USH 141

PINE STREET TO HILL STREET STAGE 2 PHASE 1
CONSTRUCT NEW SIDEWALK ON THE NORTHBOUND SIDE OF USH 141

PINE ST. TO VINE ST. PEDESTRIAN STAGE 2 PHASE 1
NEW OR EXISTING SIDEWALK ON THE SOUTHBOUND SIDE OF USH 141

EXISTING SIDEWALK (TYP)

USH 141
4th ST.
5th ST.
VINE ST.
TYLER RD.
HILL ST.
MAIN ST.
SCHOOL ST.
CLARK ST.
MILL ST.
PINE ST.
BROOK ST.
RIDGE ST.
VAN GINKEL RD
PROSPECT ST.
HEIGHTS ST.
FORREST ALLEY
FORREST ST.
DAM
MENOMINEE RIVER
N

LEGEND

- TEMPORARY PEDESTRIAN CROSSWALK LOCATION
- TRAFFIC CONTROL BARRICADE TYPE II WITH ATTACHED SIGN
- (1) SIDEWALK CLOSED — R9-9 24"X12"
- (2) SIDEWALK CLOSED USE OTHER SIDE — R9-10 48"X24"
- (3) SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11 48"X30"
- (4) SIDEWALK CLOSED / CROSS HERE — R9-11A 48"X24"
- (B) CONTINUOUS PEDESTRIAN ACCESS TO BUSINESS REQUIRED.

NOTES

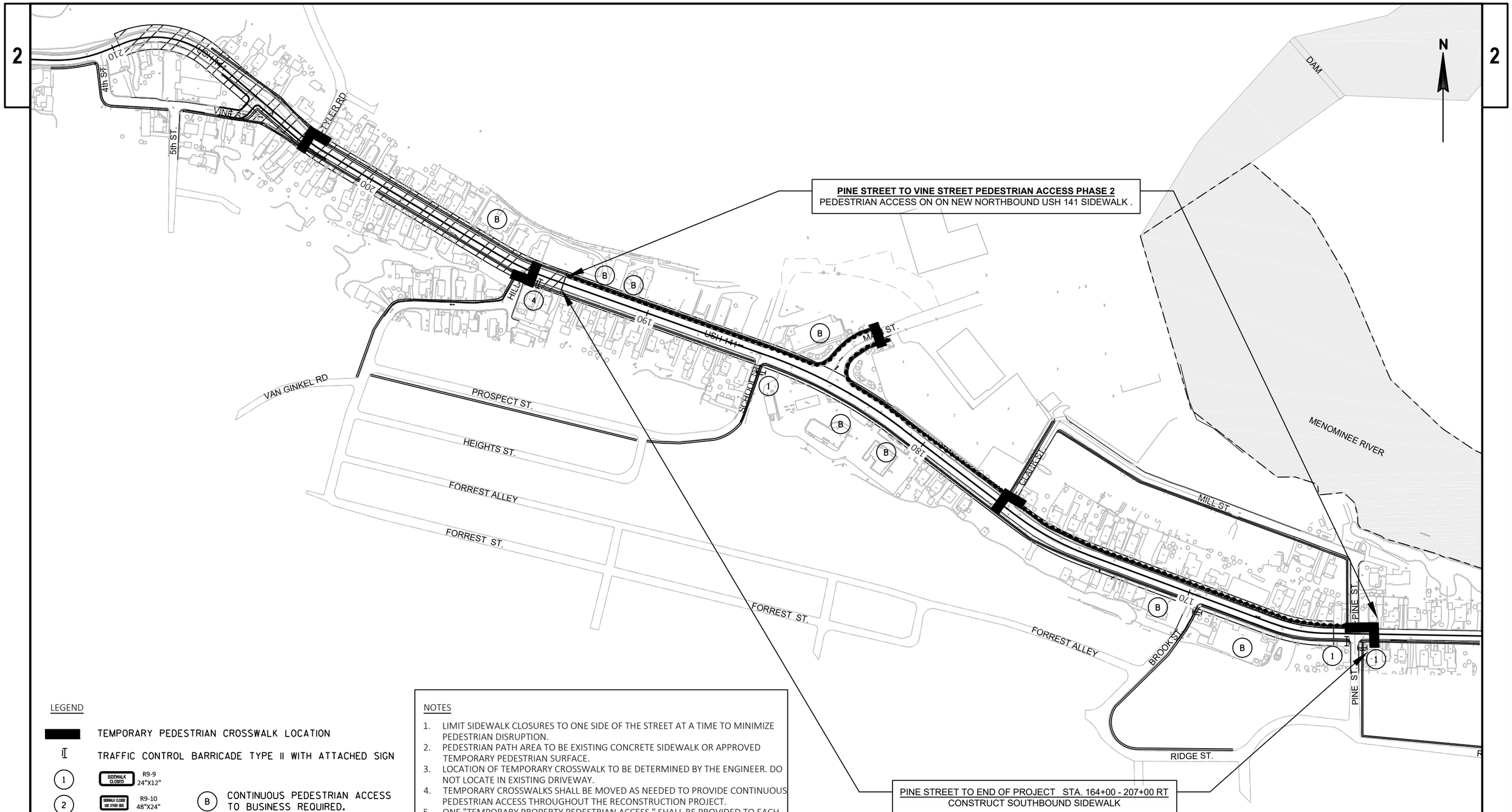
1. LIMIT SIDEWALK CLOSURES TO ONE SIDE OF THE STREET AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.
2. PEDESTRIAN PATH AREA TO BE EXISTING CONCRETE SIDEWALK OR APPROVED TEMPORARY PEDESTRIAN SURFACE.
3. LOCATION OF TEMPORARY CROSSWALK TO BE DETERMINED BY THE ENGINEER. DO NOT LOCATE IN EXISTING DRIVEWAY.
4. TEMPORARY CROSSWALKS SHALL BE MOVED AS NEEDED TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS THROUGHOUT THE RECONSTRUCTION PROJECT.
5. ONE "TEMPORARY PROPERTY PEDESTRIAN ACCESS " SHALL BE PROVIDED TO EACH BUSINESS/BUILDING ENTRANCE DOOR.
6. SEE DETAIL: RECONSTRUCT PROJECT - PEDESTRIAN ACCESS TYPICAL SECTION.

S.D.D.

- S.D.D. TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	TRAFFIC CONTROL PEDESTRIAN ACCESS PINE ST - 4TH ST STAGE 2 PHASE 1	SHEET 109	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\026002_TC_PEDESTRIAN.DWG
LAYOUT NAME - RECST S2 PED ACCESS PHASE 1
PLOT DATE : 3/1/2019 5:34 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:800 FT
WISDOT/CADDS SHEET 42



LEGEND

- TEMPORARY PEDESTRIAN CROSSWALK LOCATION
- TRAFFIC CONTROL BARRICADE TYPE II WITH ATTACHED SIGN
- (1) SIDEWALK CLOSED — R9-9 24"X12"
- (2) SIDEWALK CLOSED USE OTHER SIDE — R9-10 48"X24"
- (3) SIDEWALK CLOSED AHEAD CROSS HERE — R9-11 48"X30"
- (4) SIDEWALK CLOSED CROSS HERE — R9-11A 48"X24"
- (B) CONTINUOUS PEDESTRIAN ACCESS TO BUSINESS REQUIRED.

NOTES

1. LIMIT SIDEWALK CLOSURES TO ONE SIDE OF THE STREET AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.
2. PEDESTRIAN PATH AREA TO BE EXISTING CONCRETE SIDEWALK OR APPROVED TEMPORARY PEDESTRIAN SURFACE.
3. LOCATION OF TEMPORARY CROSSWALK TO BE DETERMINED BY THE ENGINEER. DO NOT LOCATE IN EXISTING DRIVEWAY.
4. TEMPORARY CROSSWALKS SHALL BE MOVED AS NEEDED TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS THROUGHOUT THE RECONSTRUCTION PROJECT.
5. ONE "TEMPORARY PROPERTY PEDESTRIAN ACCESS " SHALL BE PROVIDED TO EACH BUSINESS/BUILDING ENTRANCE DOOR.
6. SEE DETAIL: RECONSTRUCT PROJECT - PEDESTRIAN ACCESS TYPICAL SECTION.

S.D.D.

- S.D.D. TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	TRAFFIC CONTROL PEDESTRIAN ACCESS PINE ST - 4TH ST STAGE 2 PHASE 2	SHEET 110	E

PINE ST. TO 4TH ST. PEDESTRIAN ACCESS
STAGE 2 PHASE 3

- CONTINUE TO PROVIDE TEMPORARY PEDESTRIAN CROSSWALKS LOCATIONS AS NOTED IN STAGE 2 PHASE 2.

TUTAS ST. TO PINE ST. PEDESTRIAN ACCESS STAGE 2 PHASE 3

- PROVIDE TEMPORARY CURB RAMPS DURING THE CONSTRUCTION OF THE NEW CURB RAMPS.
- IF USING THE EXISTING SIDEWALK NETWORK AS A DETOUR, PROVIDE DETOUR SIGNAGE.
- ALTERNATE THE CLOSURE OF ADJACENT CURB RAMPS CROSSING USH 141.

EXISTING USH 141 SIDEWALK (TYP) SIDEWALK TO REMAIN.
CURB RAMPS ON USH 141 TO BE REPLACED.

N

LEDGE STREET TO PINE STREET DETOUR

- USE SIDEWALK DETOUR WHEN MAINLINE SIDEWALK IS NOT OPEN TO PEDESTRIANS.
- THE PEDESTRIAN DETOUR SHALL ONLY BE USED DURING ACTIVE CONSTRUCTION OF THE RESURFACE PROJECT STORM SEWER, CURB RAMP AND/OR MILL AND OVERLAY CONSTRUCTION.
- USH 141 SIDEWALK AND CURB RAMPS SHALL REMAIN OPEN AT ALL OTHER TIMES.

TUTAS, GOODREAU, AND CARDIN STREETS
STAGE CURB RAMP REMOVAL AND CONSTRUCTION
TO CONTINUE ACCESS ACROSS USH 141 AT ALL TIMES AT AT
LEAST ONE OF THE CROSS ROADS TO SOUTHBOUND SIDEWALK

LEGEND

- TEMPORARY PEDESTRIAN CROSSWALK LOCATION
- TRAFFIC CONTROL BARRICADE TYPE II WITH ATTACHED SIGN
- 1 — SIDEWALK CLOSED — R9-9 24"X12"
- 2 — SIDEWALK CLOSED USE OTHER SIDE — R9-10 48"X24"
- 3 — SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11 48"X30"
- 4 — SIDEWALK CLOSED / CROSS HERE — R9-11A 48"X24"
- D5 — DETOUR AHEAD — M4-9BA 30"X24"
- D6 — DETOUR — M4-9BL 30"X24"
- D7 — DETOUR — M4-9BR 30"X24"
- B — CONTINUOUS PEDESTRIAN ACCESS TO BUSINESS REQUIRED.

NOTES

1. LIMIT SIDEWALK CLOSURES TO ONE SIDE OF THE STREET AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.
2. PEDESTRIAN PATH AREA TO BE EXISTING CONCRETE SIDEWALK OR APPROVED TEMPORARY PEDESTRIAN SURFACE.
3. LOCATION OF TEMPORARY CROSSWALK TO BE DETERMINED BY THE ENGINEER. DO NOT LOCATE IN EXISTING DRIVEWAY.
4. TEMPORARY CROSSWALKS SHALL BE MOVED AS NEEDED TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS THROUGHOUT THE RECONSTRUCTION PROJECT.
5. ONE "TEMPORARY PROPERTY PEDESTRIAN ACCESS " SHALL BE PROVIDED TO EACH BUSINESS/BUILDING ENTRANCE DOOR.
6. SEE DETAIL: RESURFACE PROJECT - PEDESTRIAN ACCESS TYPICAL SECTION.

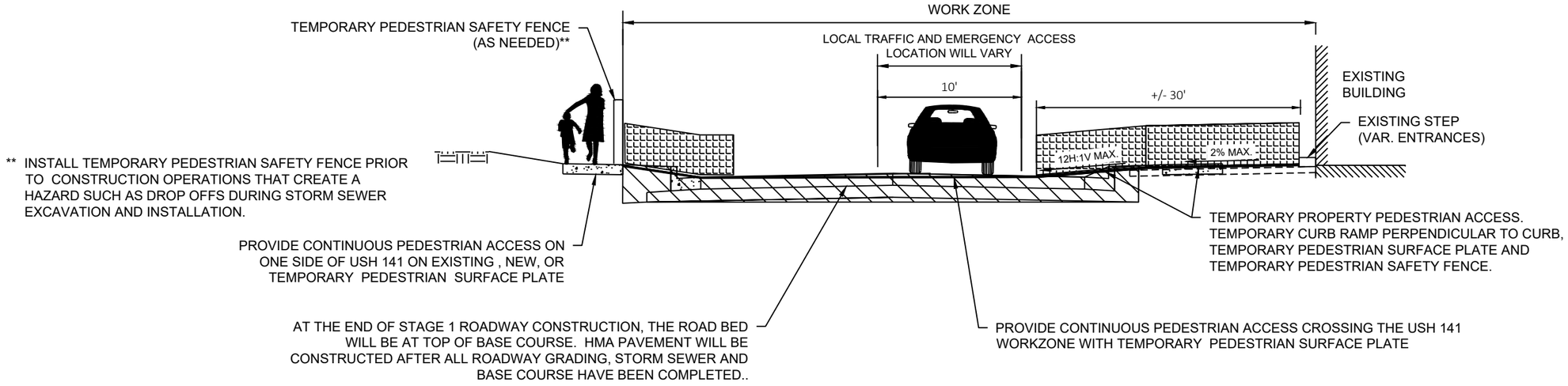
S.D.D.

- S.D.D. TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

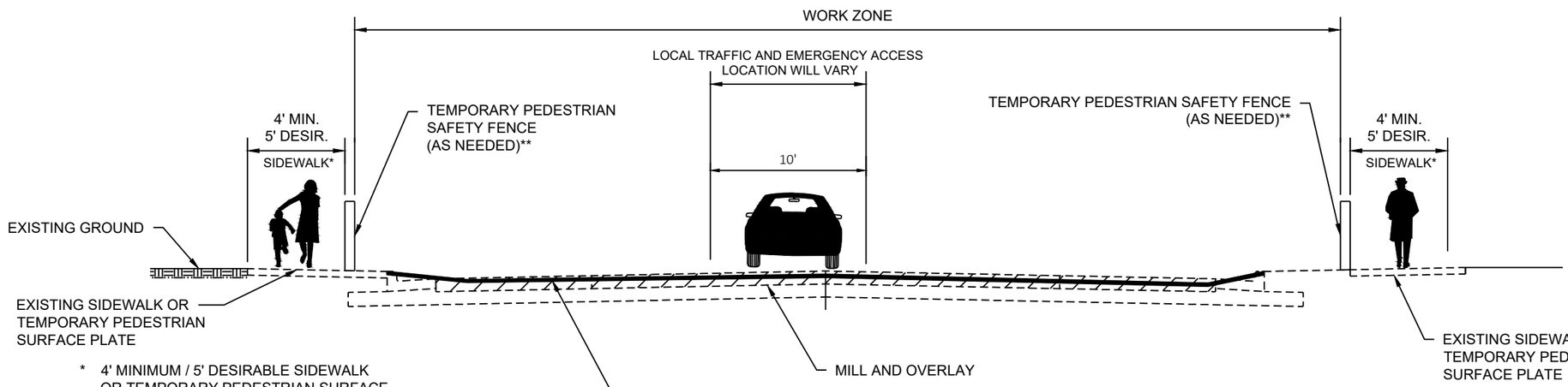
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	TRAFFIC CONTROL PEDESTRAIN ACCESS BETTERS COURT - PINE STREET STAGE 2 PHASE 3	SHEET 111	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\026002_TC_PEDESTRIAN.DWG
LAYOUT NAME - RESURFACE PHASE 3
PLOT DATE : 3/1/2019 5:35 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:800 FT
WISDOT/CADDS SHEET 42

2



RECONSTRUCT PROJECT - PEDESTRIAN ACCESS TYPICAL SECTION



* 4' MINIMUM / 5' DESIRABLE SIDEWALK OR TEMPORARY PEDESTRIAN SURFACE. 2% MAX CROSS SLOPE

** INSTALL TEMPORARY PEDESTRIAN SAFETY FENCE PRIOR TO CONSTRUCTION OPERATIONS THAT CREATE A HAZARD SUCH AS DROP OFFS DURING STORM SEWER EXCAVATION AND INSTALLATION.

PROVIDE CONTINUOUS PEDESTRIAN ACCESS CROSSING THE USH 141 WORKZONE WITH TEMPORARY PEDESTRIAN SURFACE PLATE, EXISTING ASPHALT OR MILLED SURFACE AS APPROVED BY ENGINEER.

NOTES:
1) SEE S.D.D. TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION FOR MORE INFORMATION.
2) PEDESTRIANS USE EXISTING SIDEWALK OR TEMPORARY PEDESTRIAN SURFACE.
3) USE TEMPORARY CURB RAMPS NEAR INTERSECTIONS.

RESURFACE PROJECT - PEDESTRIAN ACCESS TYPICAL SECTION

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	TRAFFIC CONTROL PEDESTRAIN ACCESS - DETAILS	SHEET 112	E

2

GENERAL NOTES: TRAFFIC CONTROL AND DETOURS

THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

ALL"W" AND "WO" SIGNS SHALL BE 48" X48" UNLESS OTHERWISE NOTED AND SHALL HAVE REFLECTIVE FLUORESCENT DIAMOND GRADE SHEETING.

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

ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

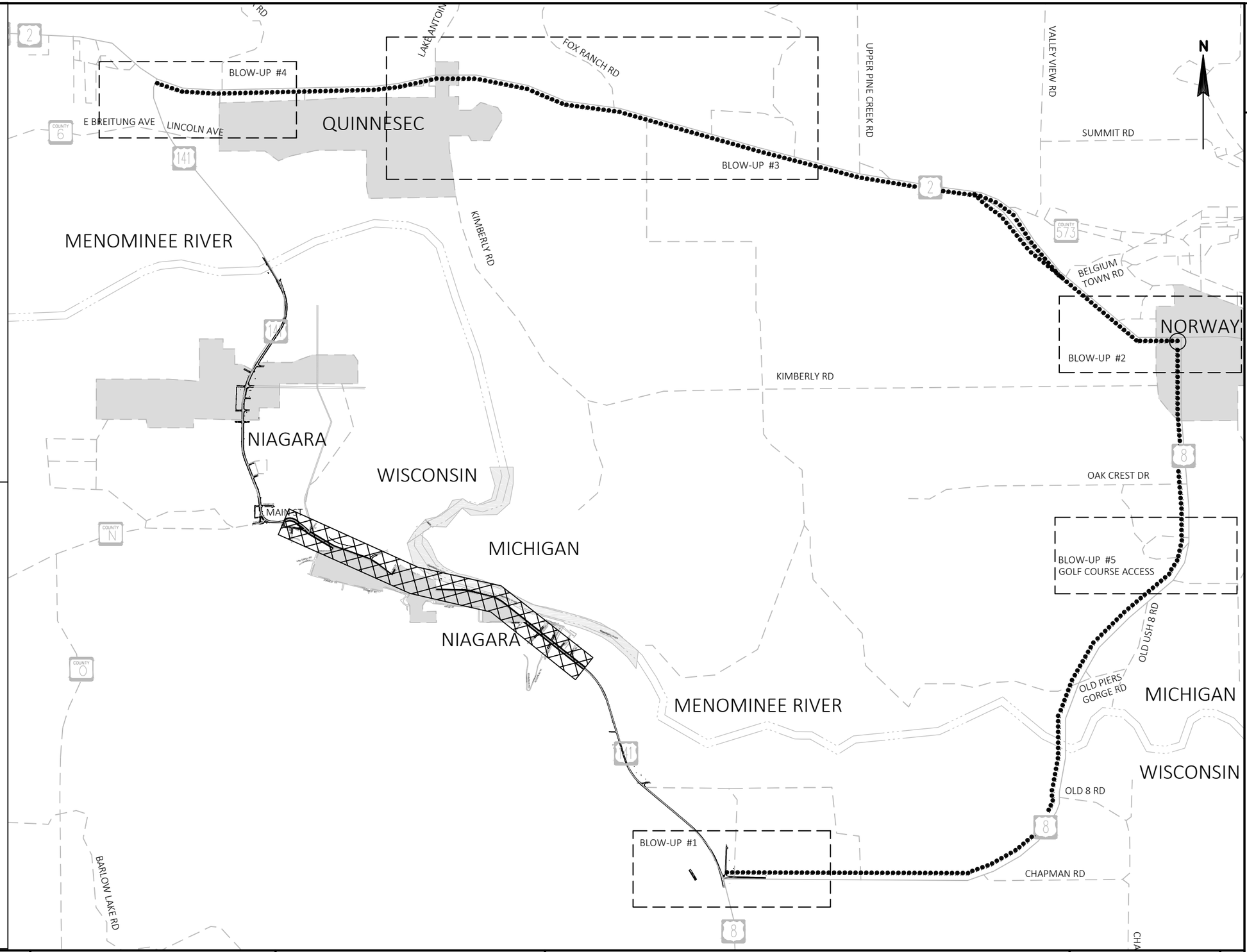
SIGNS SHALL BE PLACED A MINIMUM OF 10 CALENDAR DAYS PRIOR TO CONSTRUCTION AND COVERED UNTIL NEEDED. COVERED SIGNS ARE INCIDENTAL TO ITEM DETOUR SIGNS PAID AS COVERING SIGNS TYPE 1/TYPE 2.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE PLACED SEVEN DAYS PRIOR TO AND FOR SEVEN DAYS AFTER THE FULL CLOSURE OF USH 141.
COORDINATE THE APPROVAL OF PCMS MESSAGES WITH:
- WISDOT, JOSHUA FALK, 920-366-8033
- MICHIGAN DOT, BENJAMIN FELDHAUSEN, PS PE
  MDOT TRAFFIC AND SAFETY ENGINEER, 906-875-6644

SEE S.D.D DETOUR SIGNING FOR MAINLINE CLOSURES

LEGEND

- USH 141 DETOUR ROUTE
- WORK AREA
- NEW SIGN
- EXISTING SIGN
- EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL - REFER TO SPECIAL REQUIREMENTS TO COVER MDOT SIGNS
- SIGN ON WOOD POST (EXISTING)
- SIGN ON PERMANENT SUPPORT
- SIGN ON DOUBLE WOOD POST (EXISTING)



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	DETOUR PLAN - OVERVIEW	SHEET 113	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\027001_DT DETOUR.DWG
LAYOUT NAME - _01
PLOT DATE : 4/3/2019 1:42 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:1/2 MI

WISDOT/CADDS SHEET 42

2

GENERAL NOTES: TRAFFIC CONTROL AND DETOURS

THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

ALL"W" AND "WO" SIGNS SHALL BE 48" X48" UNLESS OTHERWISE NOTED AND SHALL HAVE REFLECTIVE FLUORESCENT DIAMOND GRADE SHEETING.

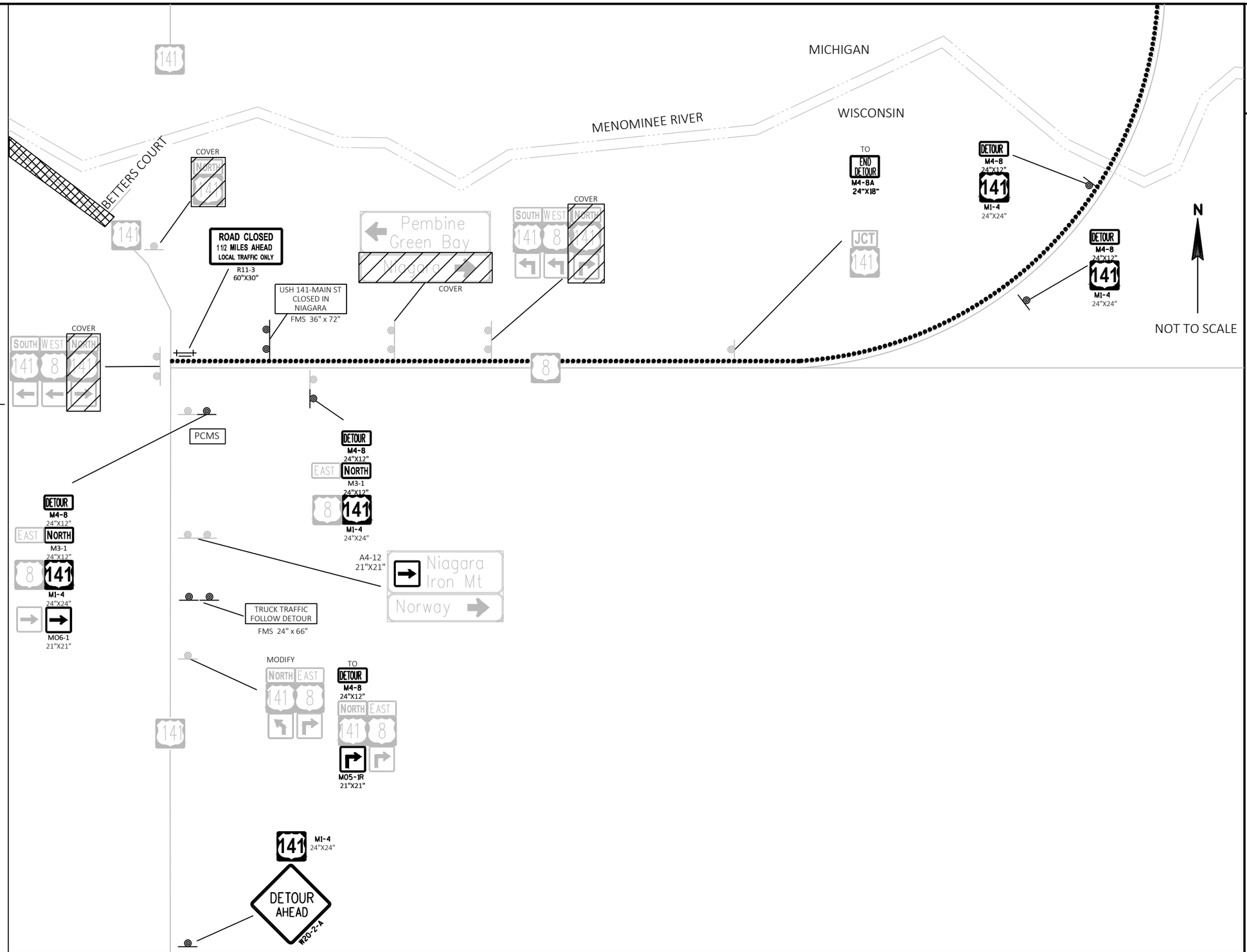
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE PLACED SEVEN DAYS PRIOR TO AND FOR SEVEN DAYS AFTER THE FULL CLOSURE OF USH 141.
COORDINATE THE APPROVAL OF PCMS MESSAGES WITH:
- WISDOT, JOSHUA FALK, 920-366-8033
- MICHIGAN DOT, BENJAMIN FELDHAUSEN, PS PE
  MDOT TRAFFIC AND SAFETY ENGINEER, 906-875-6644

LEGEND

- USH 141 DETOUR ROUTE
- WORK AREA
- NEW SIGN
- EXISTING SIGN
- EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL - REFER TO SPECIAL REQUIREMENTS TO COVER MDOT SIGNS
- SIGN ON WOOD POST (EXISTING)
- SIGN ON PERMANENT SUPPORT
- SIGN ON DOUBLE WOOD POST (EXISTING)
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGNS
- TRAFFIC CONTROL BARRICADES TYPE III WITH ATTACHED SIGN



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	DETOUR PLAN - BLOW-UP #1	SHEET 114	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\027001_DT DETOUR.DWG
LAYOUT NAME - _02
PLOT DATE : 4/3/2019 11:45 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : CUSTOM
WISDOT/CADDS SHEET 42

2

GENERAL NOTES: TRAFFIC CONTROL AND DETOURS

THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

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

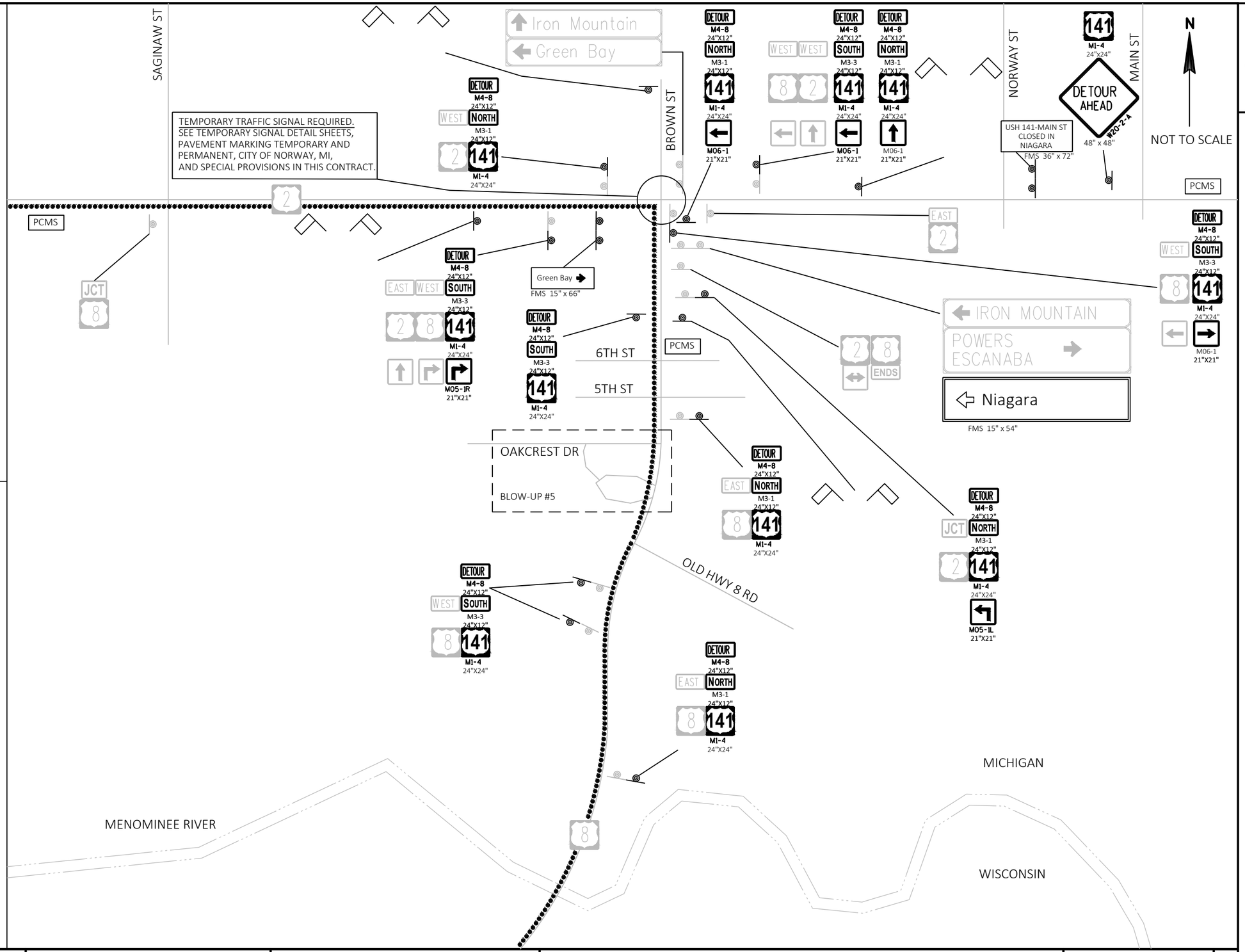
ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE IN PLACE FOR THE FIRST SEVEN DAYS AFTER THE TEMPORARY SIGNALS ARE ACTIVE.
COORDINATE APPROVAL OF MESSAGES WITH MDOT, CONTACT:

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE PLACED SEVEN DAYS PRIOR TO AND FOR SEVEN DAYS AFTER THE FULL CLOSURE OF USH 141.
COORDINATE THE APPROVAL OF PCMS MESSAGES WITH:
- WISDOT, JOSHUA FALK, 920-366-8033
- MICHIGAN DOT, BENJAMIN FELDHAUSEN, PS PE
  MDOT TRAFFIC AND SAFETY ENGINEER, 906-875-6644

LEGEND

- USH 141 DETOUR ROUTE
- WORK AREA
- NEW SIGN
- EXISTING SIGN
- EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL - REFER TO SPECIAL REQUIREMENTS TO COVER MDOT SIGNS
- SIGN ON WOOD POST (EXISTING)
- SIGN ON PERMANENT SUPPORT
- SIGN ON DOUBLE WOOD POST (EXISTING)
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGNS
- 18" X 18" ORANGE FLAGS



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	DETOUR PLAN - BLOW-UP #2	SHEET 115	E

2

GENERAL NOTES: TRAFFIC CONTROL AND DETOURS

THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

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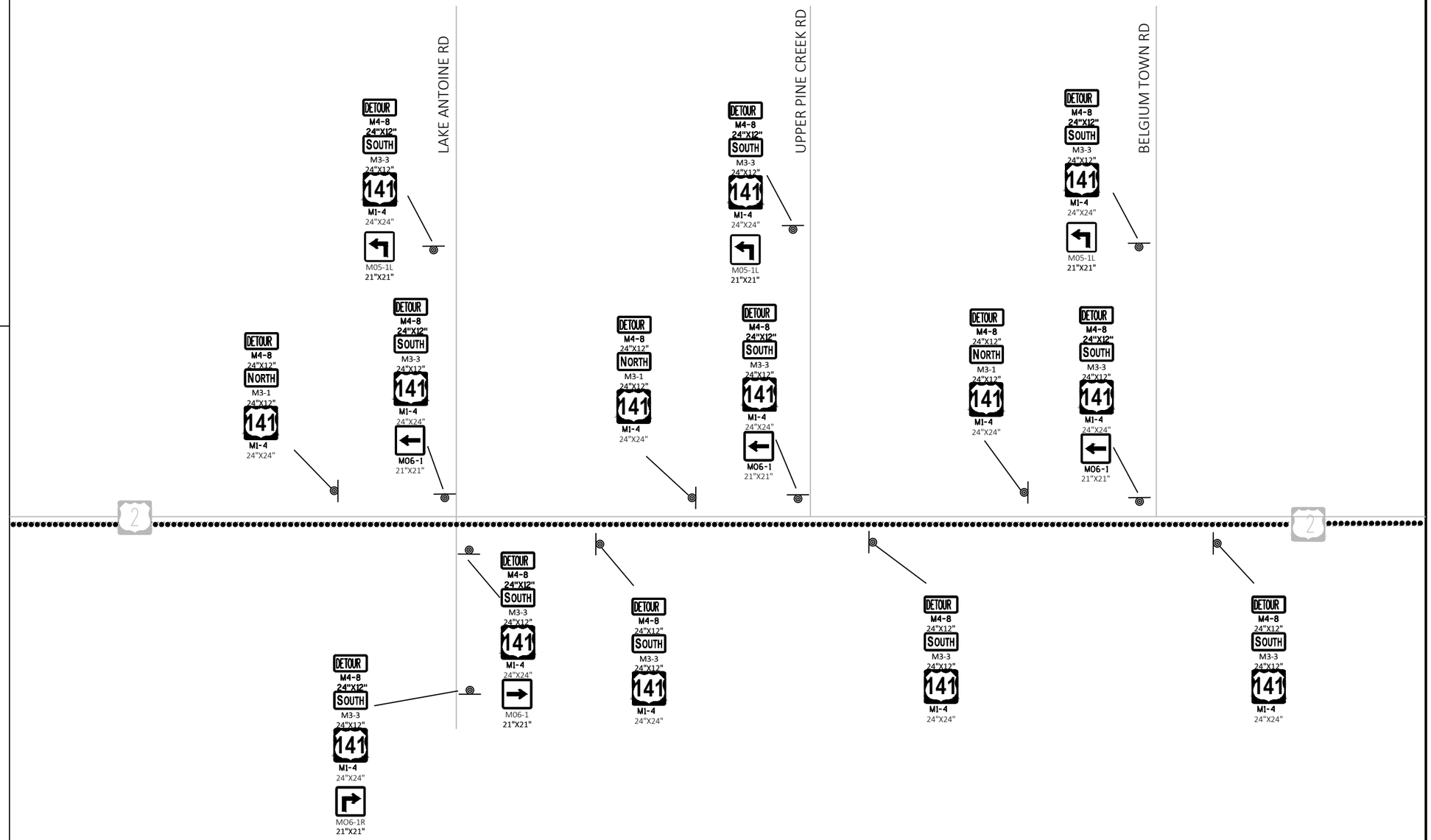
PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE PLACED SEVEN DAYS PRIOR TO AND FOR SEVEN DAYS AFTER THE FULL CLOSURE OF USH 141.
COORDINATE THE APPROVAL OF PCMS MESSAGES WITH:
- WISDOT, JOSHUA FALK, 920-366-8033
- MICHIGAN DOT, BENJAMIN FELDHAUSEN, PS PE MDOT TRAFFIC AND SAFETY ENGINEER, 906-875-6644

LEGEND

- USH 141 DETOUR ROUTE
- WORK AREA
- NEW SIGN
- EXISTING SIGN
- EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL - REFER TO SPECIAL REQUIREMENTS TO COVER MDOT SIGNS
- SIGN ON WOOD POST (EXISTING)
- SIGN ON PERMANENT SUPPORT
- SIGN ON DOUBLE WOOD POST (EXISTING)

N

NOT TO SCALE



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	DETOUR PLAN - BLOW-UP #3	SHEET 116	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\027001_DT DETOUR.DWG
LAYOUT NAME - _04

PLOT DATE : 4/3/2019 12:21 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : CUSTOM

WISDOT/CADDS SHEET 42

2

GENERAL NOTES: TRAFFIC CONTROL AND DETOURS

THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

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PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE PLACED SEVEN DAYS PRIOR TO AND FOR SEVEN DAYS AFTER THE FULL CLOSURE OF USH 141.
COORDINATE THE APPROVAL OF PCMS MESSAGES WITH:
- WISDOT, JOSHUA FALK, 920-366-8033
- MICHIGAN DOT, BENJAMIN FELDHAUSEN, PS PE
  MDOT TRAFFIC AND SAFETY ENGINEER, 906-875-6644

LEGEND

- USH 141 DETOUR ROUTE
- WORK AREA
- NEW SIGN
- EXISTING SIGN
- EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL - REFER TO SPECIAL REQUIREMENTS TO COVER MDOT SIGNS
- SIGN ON WOOD POST (EXISTING)
- SIGN ON PERMANENT SUPPORT
- SIGN ON DOUBLE WOOD POST (EXISTING)
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- TRAFFIC CONTROL BARRICADES TYPE III WITH ATTACHED SIGN

* MDOT 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION
Section 812.03.D.2 (Temporary Traffic Control for Construction Zone Operations - Sign Covers

Sign Covers.
For permanent signs, other than overhead signs and signs larger than 60 square feet, cover the entire front of the sign panel. Mount the sign coverings using Department-approved methods to avoid damaging the sign sheeting.
Do not apply fastening devices or covers directly to the reflective sheeting. Use spacers that provide 2 inches of air space between the cover and the sign face to protect the sheeting from damage.
Install Type I sign covers on Type I signs shown in the contract, to obscure conflicting information.
Submit shop drawings of the Type I sign covers to the Engineer, and obtain the Engineer's approval, before covering Type I signs on the project.
For temporary signs on fixed supports, cover the entire sign legend.
Do not use burlap or similar material to cover Department owned signs. The Contractor may use soft covers on other temporary signs.
Do not use sign plaque overlays that alter part of the legend or symbol.

N

NOT TO SCALE

BALER RD

THIRD ST

E BREITUNG AVE

LINCOLN AVE

141 M1-4 24"X24"
DETOUR AHEAD W20-2-A 48" x 48"

PCMS

* COVER SEE MDOT 2012 STANDARD SPECS FOR SIGN COVERS.

USH 141-MAIN ST CLOSED IN NIAGARA FMS 36" x 72"

TRUCK TRAFFIC FOLLOW DETOUR FMS 24" x 66"

Norway Escanaba Green Bay A4-12 21"X21"

TO DETOUR M4-8 24"X12" EAST SOUTH 2 141

MODIFY EAST SOUTH 2 141

MO6-1 21"X21"

ROAD CLOSED 2 1/2 MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60"X30"

DETOUR M4-8 24"X12" SOUTH M3-3 24"X12" 141 M1-4 24"X24"

MO6-1 21"X21"

WEST 2 SOUTH 141 NORTH 141

Iron Mountain Green Bay

END M4-6 24"X12" DETOUR M4-8 24"X12" 141 M1-4 24"X24"

COVER JUNCTION (141)

DETOUR M4-8 24"X12" SOUTH M3-3 24"X12" 141 M1-4 24"X24" M05-1L 21"X21"

ROAD CLOSED 2 MILES AHEAD LOCAL TRAFFIC ONLY R11-3 60"X30"

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	DETOUR PLAN - BLOW-UP #4	SHEET 117	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\027001_DT DETOUR.DWG
LAYOUT NAME - _05

PLOT DATE : 4/3/2019 1:40 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : CUSTOM

WISDOT/CADDS SHEET 42

2

GENERAL NOTES: TRAFFIC CONTROL AND DETOURS

THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE TRAFFIC CONTROL PLAN, INCLUDING PRE-EXISTING SIGNING IN THE VICINITY, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

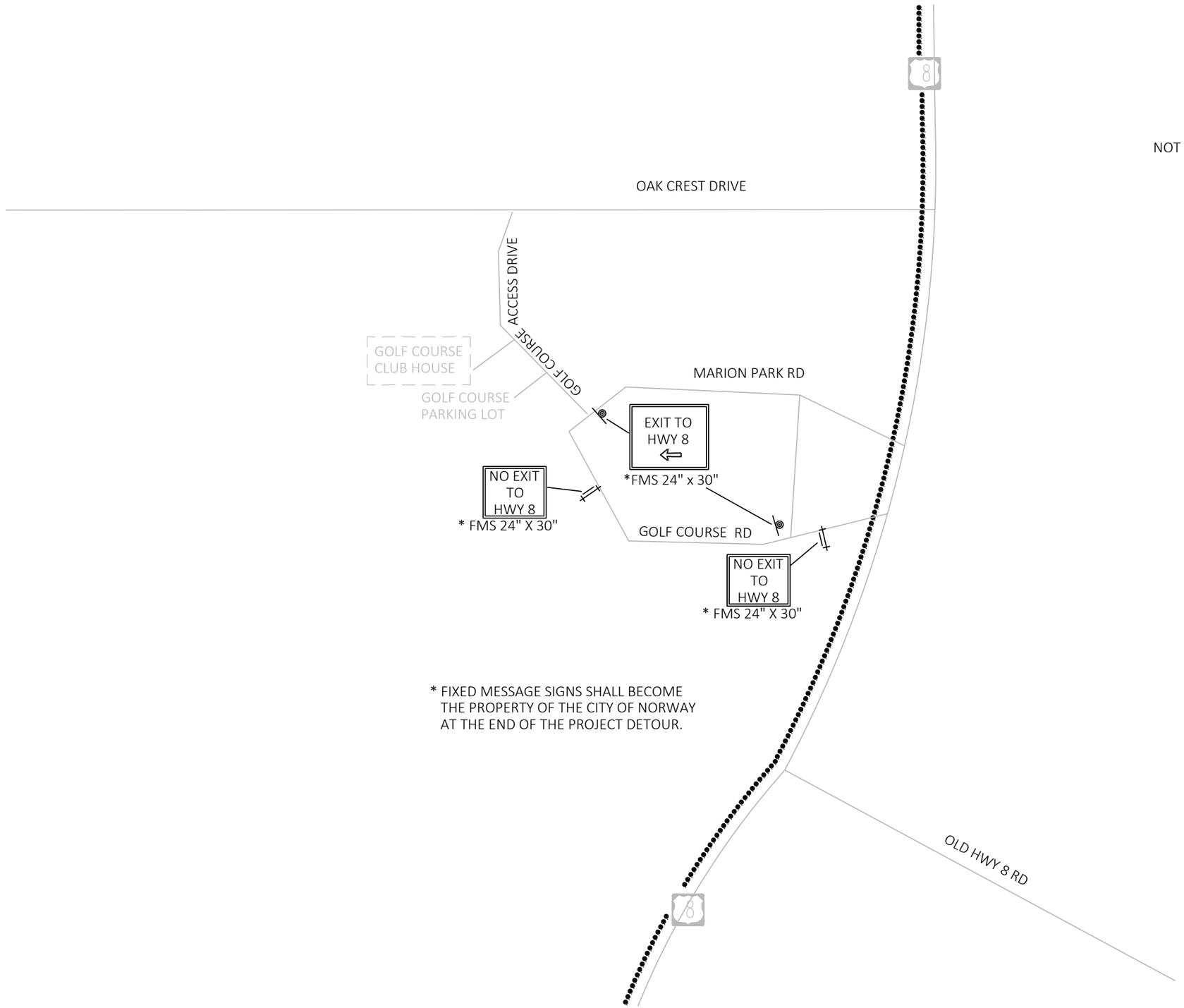
ALL"W" AND "WO" SIGNS SHALL BE 48" X48" UNLESS OTHERWISE NOTED AND SHALL HAVE REFLECTIVE FLUORESCENT DIAMOND GRADE SHEETING.

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

ALL M3 SERIES SIGNS (NORTH, EAST, SOUTH, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

LEGEND

- USH 141 DETOUR ROUTE
- WORK AREA
- NEW SIGN
- EXISTING SIGN
- EXISTING SIGN TO BE COVERED WITH BLANK ORANGE PANEL - REFER TO SPECIAL REQUIREMENTS TO COVER MDOT SIGNS
- SIGN ON WOOD POST (EXISTING)
- SIGN ON PERMANENT SUPPORT
- SIGN ON DOUBLE WOOD POST (EXISTING)
- TRAFFIC CONTROL BARRICADES TYPE III WITH ATTACHED SIGN



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	DETOUR PLAN - BLOW-UP #5	SHEET 118	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\027001_DT DETOUR.DWG
LAYOUT NAME - _06
PLOT DATE : 4/3/2019 1:41 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : CUSTOM

2

2

N

Y = 391059.826
X = 715895.576

PI STA. 122+25.00

Y = 391015.100
X = 715951.993

PI STA. 124+86.57 =
PI STA. 10+00.00'T'

119+00 120+00 121+00 USH 141 122+00 123+00 124+00 125

N51° 35' 38"W

N51° 35' 56"W

PI STA. 121+53.01 =
PI STA. 10+00.00'B'

Y = 390888.985
X = 716111.075

Y = 391222.301
X = 715690.590

MATCH
STA. 10+44'B'

N38° 54' 44"E

MATCH
STA. 10+34'T'

N38° 39' 24"E

PC STA. 10+29.40'B'

Y = 391248.852
X = 715711.829

BEGIN PROJECT 9560-02-75
STA. 119+50.00

Y = 391049.555
X = 715979.351

PI STA. 10+47.78

BETTERS CT.

TUTAS ST.

MATCH LINE STA. 125+00.00

PT STA. 10+66.10'B'

PI STA. = 10+47.78'B'
Y = 391052.274
X = 715982.003
DELTA = 7°00'35"
D = 19°05'55"
T = 18.37'
L = 36.70'
R = 300.00'
PC STA. = 10+29.40'B'
PT STA. = 10+66.10'B'

N31° 54' 08"E

11+00

11+00

N

MATCH
STA. 9+58'G'

GOODREAU ST.

Y = 391371.513
X = 715436.511

N25° 11' 39"E

Y = 391409.518
X = 715454.390

MATCH LINE STA. 125+00.00

126+00 127+00 USH 141 10+00.00'G' 128+00 129+00 130+00 131

N51° 35' 56"W

N51° 35' 56"W

PI STA. 127+87.97 =
PI STA. 10+00.00'G'

MATCH
STA. 10+37'G'

N25° 11' 39"E

GOODREAU ST.

Y = 391442.998
X = 715470.141

11+00'G'

MATCH LINE STA. 131+00.00

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	ALIGNMENT DETAILS	SHEET 119	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\027201_AD TO 027208_AD.DWG
LAYOUT NAME - 027201_ad
PLOT DATE : 2/25/2019 8:18 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

MATCH LINE STA. 131+00.00

CARDIN ST.

Y = 391644.408
X = 715104.014

MATCH
STA. 9+66'CA'

N37° 59' 05"E

Y = 391670.861
X = 715124.670

+00 | 132+00 | 10+00'CA' | 133+00 | 134+00 | 135+00 | 136+00 | 137

USH 141

N51° 35' 56"W

N51° 35' 56"W

Y = 391700.981
X = 715148.189

PI STA. 132+08.70 =
PI STA. 10+00.00'CA'

MATCH
STA. 10+38'CA'

CARDIN ST.

11+00

MATCH LINE STA. 137+00.00

LEDGE ST.

Y = 392010.399
X = 714632.229

MATCH
STA. 9+60'L'

N38° 24' 07"E

Y = 392041.586
X = 714656.949

+00 | 138+00 | 139+00 | 140+00 | 141+00 | 142+00 | 143

USH 141

N51° 35' 56"W

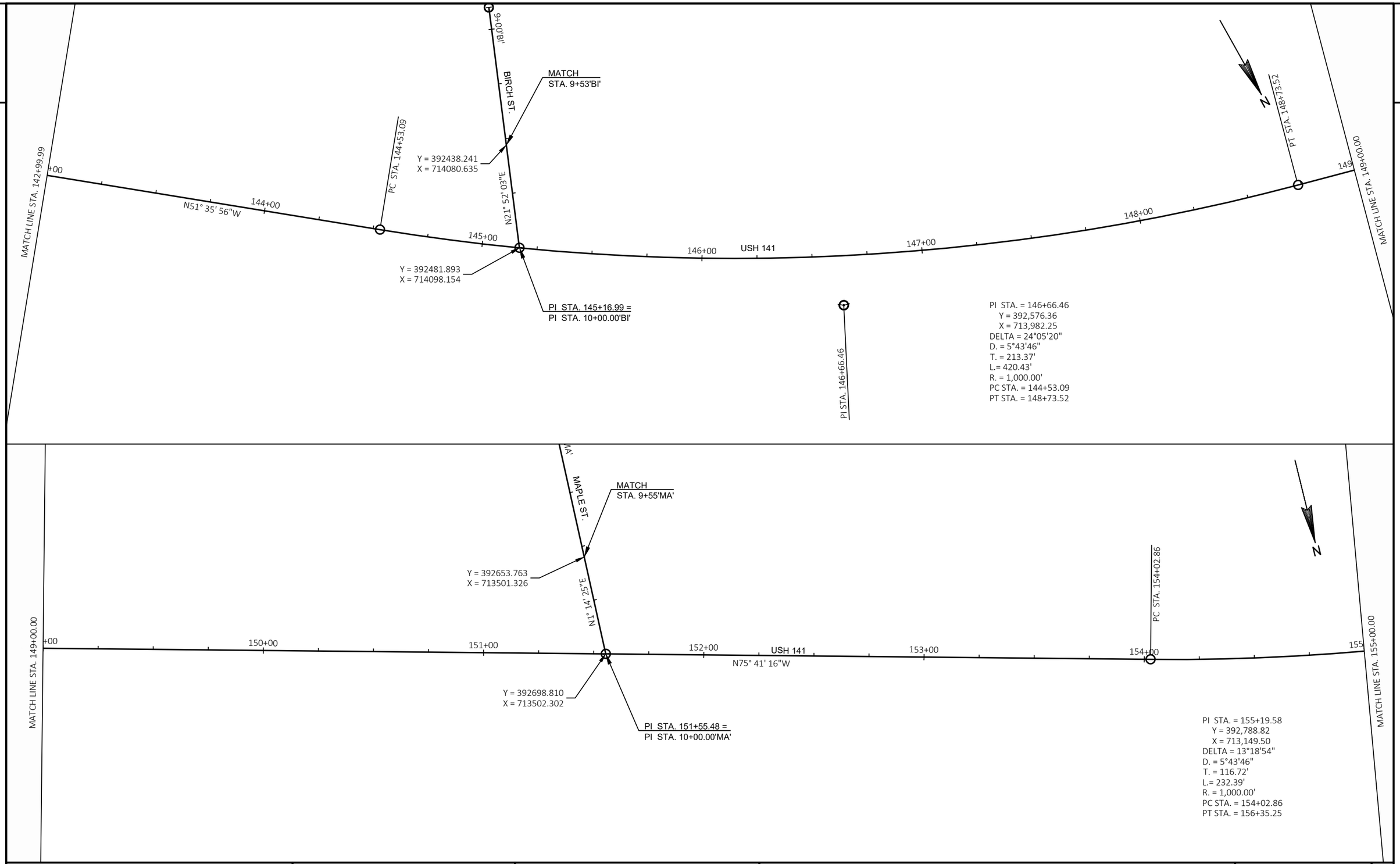
N51° 35' 56"W

PI STA. 138+05.52 =
PI STA. 10+00.00'L'

MATCH LINE STA. 142+99.99

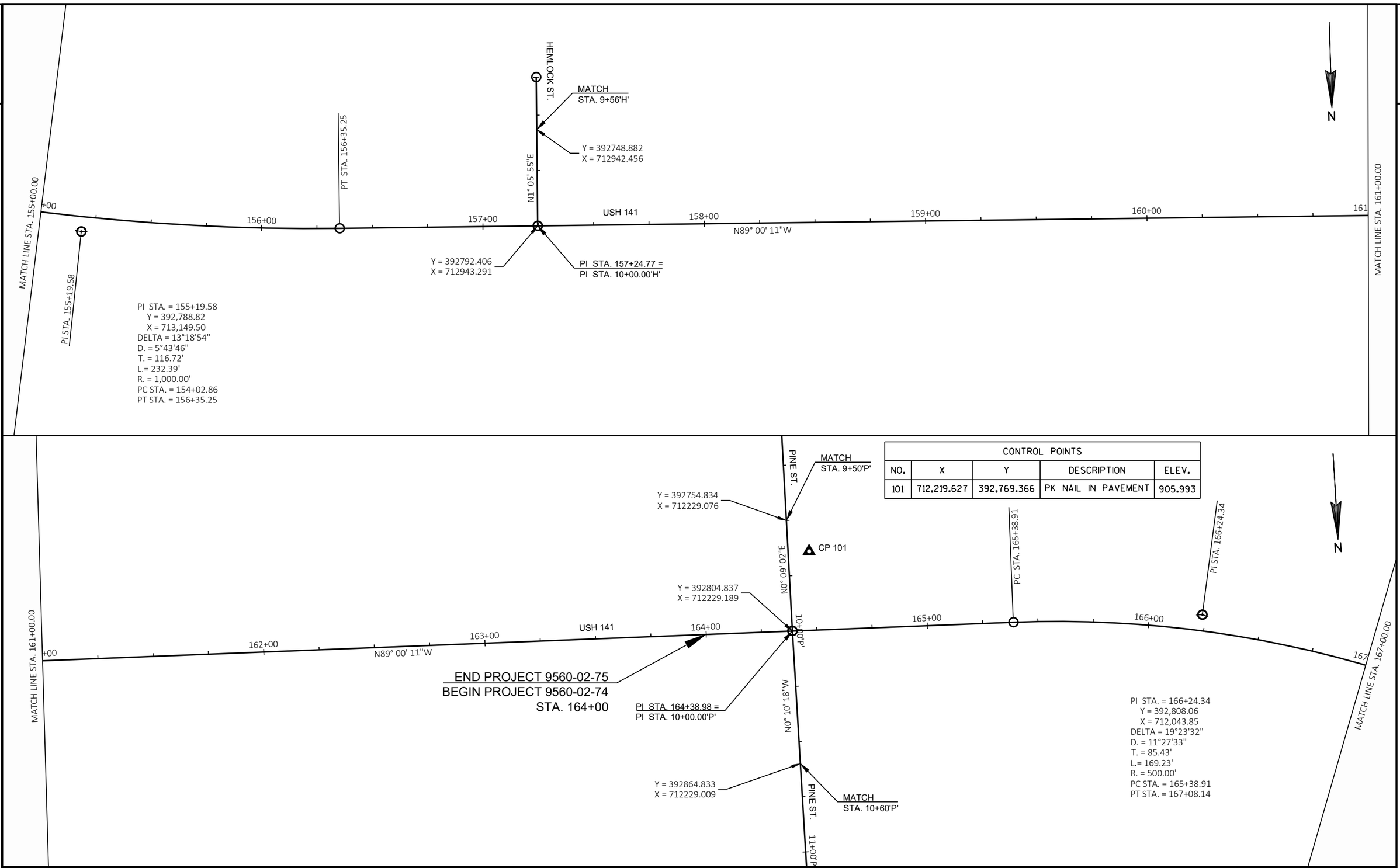
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	ALIGNMENT DETAILS	SHEET 120	E

2



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	ALIGNMENT DETAILS	SHEET 121	E

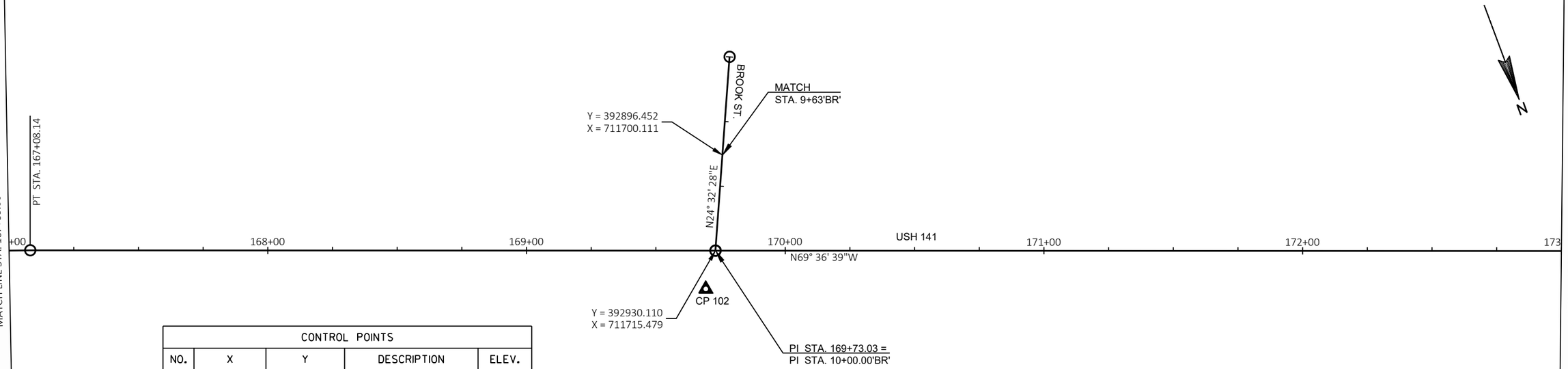
2



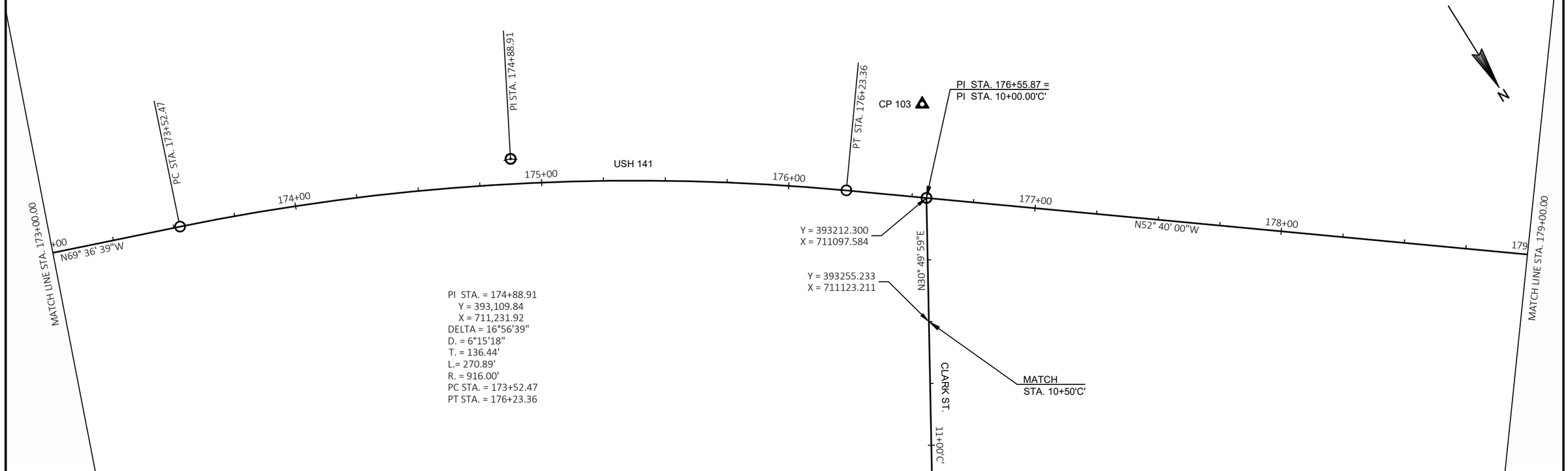
CONTROL POINTS				
NO.	X	Y	DESCRIPTION	ELEV.
101	712,219.627	392,769.366	PK NAIL IN PAVEMENT	905.993

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	ALIGNMENT DETAILS	SHEET 122	E

2



CONTROL POINTS				
NO.	X	Y	DESCRIPTION	ELEV.
102	711,724.159	392,942.673	PK NAIL IN PAVEMENT	896.127
103	711,078.917	393,179.199	NAIL	885.611



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	ALIGNMENT DETAILS	SHEET 123	E

2

PI STA. = 183+37.87
Y = 393,625.90
X = 710,555.31
DELTA = 17°49'13"
D. = 3°31'33"
T. = 254.76'
L.= 505.41'
R. = 1,625.00'
PC STA. = 180+83.11
PT STA. = 185+88.52

MATCH LINE STA. 179+00.00

+00

N52° 40' 00"W

180+00

PC STA. 180+83.11

181+00

182+00

USH 141

183+00

PI STA. 183+70.25 =
PI STA. 10+00.00'M'

Y = 393624.514
X = 710515.402

184+00

185

MATCH LINE STA. 185+00.00

N

N27° 16' 48"E

CP 104

PI STA. 183+37.87

PC STA. 10+52.99'M'

MAIN ST.

11+00'M'

PI STA. = 11+33.35'M'
Y = 393743.030
X = 710576.520
DELTA = 43°46'43"
D = 28°38'52"
T = 80.36'
L = 152.82'
R = 200.00'
PC STA. = 10+52.99'M'
PT STA. = 12+05.81'M'

Y = 393728.360
X = 710583.383

MATCH
STA. 11+25'M'

PI STA. 11+33.35

CONTROL POINTS				
NO.	X	Y	DESCRIPTION	ELEV.
104	710,489.675	393,667.803	PK NAIL IN PAVEMENT	890.545
105	709,911.638	393,822.661	NAIL	904.212

9+00'S

SCHOOL ST.

MATCH
STA. 9+50'S'

Y = 393669.827
X = 710281.675

PT STA. 185+88.52

N18° 45' 07"E

PI STA. 186+07.01 =
PI STA. 10+00.00'S'

CP 105

MATCH LINE STA. 185+00.00

+00

186+00

187+00

USH 141

188+00

189+00

190+00

191

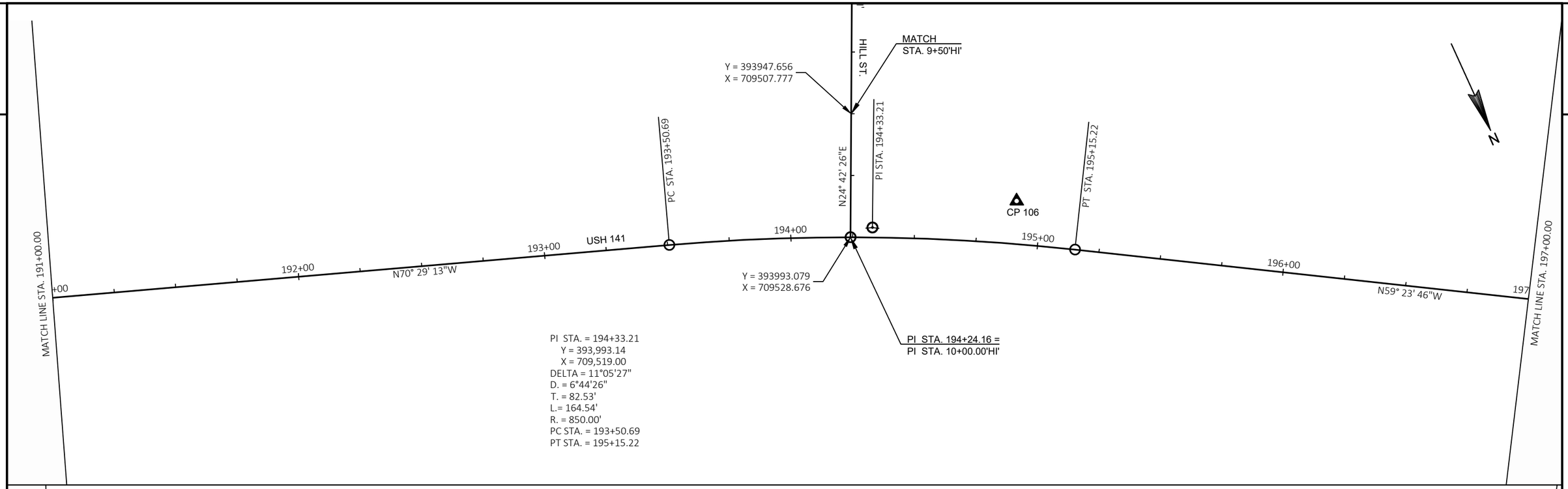
N70° 29' 13"W

Y = 393717.173
X = 710297.749

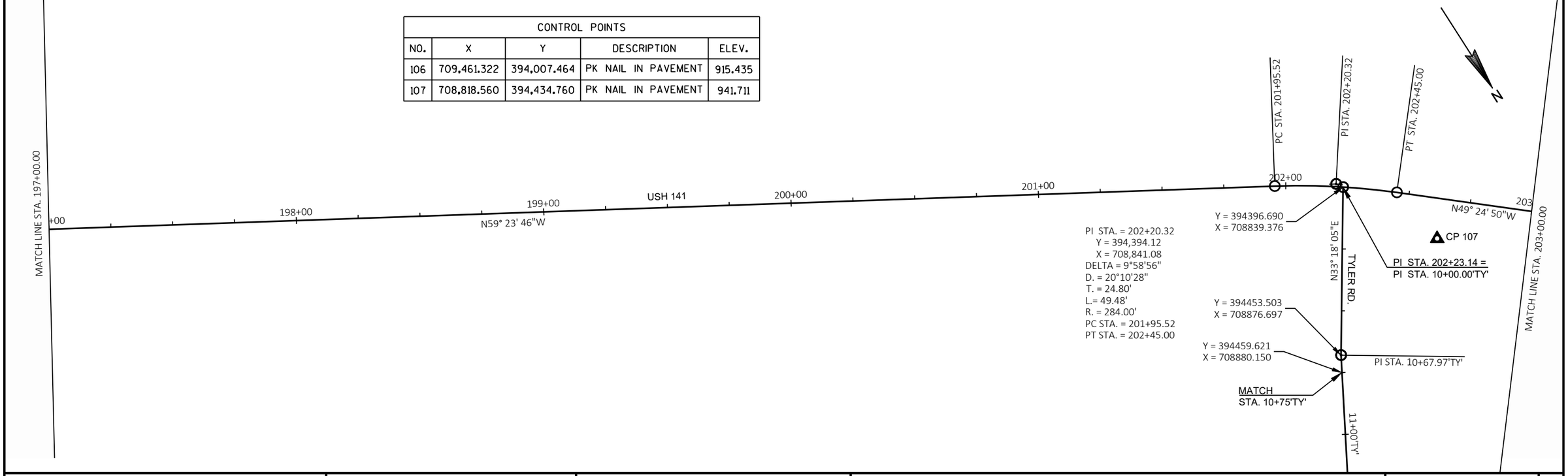
MATCH LINE STA. 191+00.00

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	ALIGNMENT DETAILS	SHEET 124	E

2



CONTROL POINTS				
NO.	X	Y	DESCRIPTION	ELEV.
106	709,461.322	394,007.464	PK NAIL IN PAVEMENT	915.435
107	708,818.560	394,434.760	PK NAIL IN PAVEMENT	941.711



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	ALIGNMENT DETAILS	SHEET 125	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\027201_AD TO 027208_AD.DWG
LAYOUT NAME - 027207_ad
PLOT DATE : 3/1/2019 9:51 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

PI STA. 9+26.90

VINE ST.

S80° 26' 51"E

MATCH
STA. 8+50'V'

Y = 394505.976
X = 708532.535

PT STA. 9+40.82'V'

PC STA. 9+09.94'V'

N40° 35' 10"E

PI STA. = 9+26.90
Y = 394,493.21
X = 708,608.37
DELTA = 58°57'59"
D. = 190°59'09"
T. = 16.96'
L.= 30.87'
R. = 30.00'
PC STA. = 9+09.94
PT STA. = 9+40.82

MATCH LINE STA. 203+00.00

204+00

N49° 24' 50"W

PI STA. 204+61.39 =
PI STA. 10+00.00'V'

Y = 394551.040
X = 708657.911

205+00

USH 141

206+00

PC STA. 206+57.90

207+00

208+00

PI STA. = 208+29.09
Y = 394,790.26
X = 708,378.67
DELTA = 62°52'54"
D. = 20°27'46"
T. = 171.19'
L.= 307.30'
R. = 280.00'
PC STA. = 206+57.90
PT STA. = 209+65.20

MATCH LINE STA. 209+00.00

N

CONTROL POINTS				
NO.	X	Y	DESCRIPTION	ELEV.
108	708,501.992	394,711.943	NAIL	958.340

CP 108

PI STA. 208+29.09

MATCH LINE STA. 209+00.00

+00

N6° 25' 53"W

4TH ST.

PC STA. 210+24.21

PI STA. 211+16.47

PI STA. = 211+16.47
Y = 394,667.92
X = 708,080.32
DELTA = 24°29'46"
D. = 13°28'53"
T. = 92.26'
L.= 181.70'
R. = 425.00'
PC STA. = 210+24.21
PT STA. = 212+05.92

Y = 394719.941
X = 708207.187

PI STA. 210+39.15 =
PI STA. 10+00.00'F'

210+00

S67° 42' 16"W

211+00

USH 141

PT STA. 212+05.92

212+00

Y = 394697.499
X = 708151.765

N87° 47' 58"W

213+00

PC STA. 213+60.73

PT STA. 209+65.20

END PROJECT 9560-02-74
STA. 209+79.35

N

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	ALIGNMENT DETAILS	SHEET 126	E

					9560-02-74	9560-02-75
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0002	201.0120	Clearing	ID	21.000	21.000	
0004	201.0220	Grubbing	ID	21.000	21.000	
0006	204.0100	Removing Pavement	SY	14,533.000	14,305.000	228.000
0008	204.0110	Removing Asphaltic Surface	SY	923.000	923.000	
0010	204.0115	Removing Asphaltic Surface Butt Joints	SY	70.000		70.000
0012	204.0120	Removing Asphaltic Surface Milling	SY	19,061.000		19,061.000
0014	204.0130	Removing Curb	LF	1,180.000		1,180.000
0016	204.0150	Removing Curb & Gutter	LF	1,396.000	864.000	532.000
0018	204.0155	Removing Concrete Sidewalk	SY	4,261.000	4,048.000	213.000
0020	204.0185	Removing Masonry	CY	3.000	3.000	
0022	204.0210	Removing Manholes	EACH	17.000	16.000	1.000
0024	204.0220	Removing Inlets	EACH	35.000	21.000	14.000
0026	204.0245	Removing Storm Sewer (size) 01. 4-INCH	LF	33.000		33.000
0028	204.0245	Removing Storm Sewer (size) 02. 6-INCH	LF	87.000		87.000
0030	204.0245	Removing Storm Sewer (size) 03. 8 INCH	LF	50.000		50.000
0032	204.0245	Removing Storm Sewer (size) 04. 10-INCH	LF	162.000	162.000	
0034	204.0245	Removing Storm Sewer (size) 05. 12-INCH	LF	571.000	399.000	172.000
0036	204.0245	Removing Storm Sewer (size) 06. 15-INCH	LF	35.000	35.000	
0038	204.0245	Removing Storm Sewer (size) 07. 18-INCH	LF	145.000	60.000	85.000
0040	204.0245	Removing Storm Sewer (size) 08. 24-INCH	LF	265.000	181.000	84.000
0042	204.0245	Removing Storm Sewer (size) 09. 27-INCH	LF	55.000	55.000	
0044	204.0245	Removing Storm Sewer (size) 10. 36-INCH	LF	828.000	828.000	
0046	204.0245	Removing Storm Sewer (size) 11. 1.0' X 1.0' Box Opening	LF	7.000	7.000	
0048	204.0245	Removing Storm Sewer (size) 12. 3.5' X 3.5' Box Culvert	LF	66.000	66.000	
0050	204.0250	Abandoning Manholes	EACH	5.000	4.000	1.000
0052	204.0260	Abandoning Inlets	EACH	4.000	4.000	
0054	204.9165.S	Removing (item description) 01. Concrete Steps	SF	46.000	46.000	
0056	205.0100	Excavation Common	CY	16,911.000	16,911.000	
0058	211.0100	Prepare Foundation for Asphaltic Paving (project) 01. 9560-02-75	LS	1.000		1.000
0060	211.0100	Prepare Foundation for Asphaltic Paving (project) 02. 9560-02-74	LS	1.000	1.000	
0062	213.0100	Finishing Roadway (project) 01. 9560-02-75	EACH	1.000		1.000
0064	213.0100	Finishing Roadway (project) 02. 9560-02-74	EACH	1.000	1.000	
0066	305.0110	Base Aggregate Dense 3/4-Inch	TON	971.000	921.000	50.000
0068	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	11,017.000	10,762.000	255.000
0070	311.0110	Breaker Run	TON	2,520.000	2,520.000	
0072	320.0155	Concrete Base 9-Inch	SY	227.000		227.000
0074	416.0160	Concrete Driveway 6-Inch	SY	2,466.000	2,466.000	

					9560-02-74	9560-02-75
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0076	416.0180	Concrete Driveway 8-Inch	SY	270.000	270.000	
0078	455.0605	Tack Coat	GAL	4,513.000	2,226.000	2,287.000
0080	460.2000	Incentive Density HMA Pavement	DOL	7,890.000	5,540.000	2,350.000
0082	460.4110.S	Reheating HMA Pavement Longitudinal Joints	LF	32,240.000	14,440.000	17,800.000
0084	460.6223	HMA Pavement 3 MT 58-28 S	TON	6,592.000	6,592.000	
0086	460.6224	HMA Pavement 4 MT 58-28 S	TON	2,001.000	167.000	1,834.000
0088	460.6444	HMA Pavement 4 MT 58-34 H	TON	3,648.000	1,814.000	1,834.000
0090	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	235.000	235.000	
0092	520.8000	Concrete Collars for Pipe	EACH	19.000	11.000	8.000
0094	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	1.000	1.000	
0096	601.0110	Concrete Curb Type D	LF	631.000		631.000
0098	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	110.000	110.000	
0100	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	10,909.000	9,728.000	1,181.000
0102	602.0405	Concrete Sidewalk 4-Inch	SF	49,922.000	47,348.000	2,574.000
0104	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	429.000	209.000	220.000
0106	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	67.000	37.000	30.000
0108	602.1500	Concrete Steps	SF	49.000	49.000	
0110	606.0300	Riprap Heavy	CY	20.000	20.000	
0112	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	916.000	624.000	292.000
0114	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	363.000	237.000	126.000
0116	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	1,960.000	1,872.000	88.000
0118	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	314.000	314.000	
0120	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	151.000	151.000	
0122	608.0442	Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	LF	381.000	381.000	
0124	608.0448	Storm Sewer Pipe Reinforced Concrete Class IV 48-Inch	LF	544.000	544.000	
0126	608.2338	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 38x60-Inch	LF	755.000	755.000	
0128	608.2429	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	LF	84.000	84.000	
0130	611.0530	Manhole Covers Type J	EACH	14.000	13.000	1.000
0132	611.0545	Manhole Covers Type L	EACH	15.000	14.000	1.000
0134	611.0612	Inlet Covers Type C	EACH	2.000	2.000	
0136	611.0624	Inlet Covers Type H	EACH	56.000	42.000	14.000

					9560-02-74	9560-02-75
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0138	611.2004	Manholes 4-FT Diameter	EACH	6.000	5.000	1.000
0140	611.2005	Manholes 5-FT Diameter	EACH	13.000	11.000	2.000
0142	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000	
0144	611.2007	Manholes 7-FT Diameter	EACH	3.000	3.000	
0146	611.2008	Manholes 8-FT Diameter	EACH	15.000	15.000	
0148	611.3004	Inlets 4-FT Diameter	EACH	6.000	5.000	1.000
0150	611.3230	Inlets 2x3-FT	EACH	43.000	31.000	12.000
0152	611.8110	Adjusting Manhole Covers	EACH	1.000		1.000
0154	611.8115	Adjusting Inlet Covers	EACH	8.000		8.000
0156	611.8120.S	Cover Plates Temporary	EACH	18.000		18.000
0158	618.0100	Maintenance And Repair of Haul Roads (project) 01. 9560-02-74	EACH	1.000	1.000	
0160	619.1000	Mobilization	EACH	1.000	0.600	0.400
0162	623.0200	Dust Control Surface Treatment	SY	17,118.000	17,118.000	
0164	624.0100	Water	MGAL	170.000	170.000	
0166	625.0100	Topsoil	SY	16,417.000	15,384.000	1,033.000
0168	628.1504	Silt Fence	LF	64.000	64.000	
0170	628.1520	Silt Fence Maintenance	LF	64.000	64.000	
0172	628.1905	Mobilizations Erosion Control	EACH	10.000	10.000	
0174	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000	
0176	628.2006	Erosion Mat Urban Class I Type A	SY	10,960.000	10,089.000	871.000
0178	628.2037	Erosion Mat Class III Type C	SY	207.000	207.000	
0180	628.6005	Turbidity Barriers	SY	47.000	47.000	
0182	628.6510	Soil Stabilizer Type B	ACRE	1.089	1.056	0.033
0184	628.7005	Inlet Protection Type A	EACH	56.000	44.000	12.000
0186	628.7010	Inlet Protection Type B	EACH	3.000	3.000	
0188	628.7015	Inlet Protection Type C	EACH	46.000	24.000	22.000
0190	628.7020	Inlet Protection Type D	EACH	23.000	23.000	
0192	628.7560	Tracking Pads	EACH	2.000	2.000	
0194	629.0210	Fertilizer Type B	CWT	10.100	9.600	0.500
0196	630.0140	Seeding Mixture No. 40	LB	292.000	275.000	17.000
0198	630.0200	Seeding Temporary	LB	220.000	207.000	13.000
0200	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	4.000	4.000	
0202	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	1.000	1.000	
0204	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	14.000	14.000	
0206	637.2210	Signs Type II Reflective H	SF	98.580	98.580	
0208	638.2102	Moving Signs Type II	EACH	16.000	16.000	
0210	638.2602	Removing Signs Type II	EACH	27.000	27.000	
0212	638.3000	Removing Small Sign Supports	EACH	24.000	24.000	
0214	638.4000	Moving Small Sign Supports	EACH	16.000	16.000	

					9560-02-74	9560-02-75
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0216	642.5201	Field Office Type C	EACH	1.000	1.000	
0218	643.0300	Traffic Control Drums	DAY	14,236.000	6,029.000	8,207.000
0220	643.0310.S	Temporary Portable Rumble Strips	LS	1.000	1.000	
0222	643.0410	Traffic Control Barricades Type II	DAY	1,748.000	563.000	1,185.000
0224	643.0420	Traffic Control Barricades Type III	DAY	3,531.000	2,462.000	1,069.000
0226	643.0705	Traffic Control Warning Lights Type A	DAY	7,600.000	4,277.000	3,323.000
0228	643.0900	Traffic Control Signs	DAY	26,221.000	22,308.000	3,913.000
0230	643.0920	Traffic Control Covering Signs Type II	EACH	9.000	9.000	
0232	643.1000	Traffic Control Signs Fixed Message	SF	140.000	140.000	
0234	643.1050	Traffic Control Signs PCMS	DAY	49.000	49.000	
0236	643.5000	Traffic Control	EACH	1.000	0.600	0.400
0238	644.1430.S	Temporary Pedestrian Surface Plate	SF	1,152.000	880.000	272.000
0240	644.1601.S	Temporary Curb Ramp	EACH	40.000	30.000	10.000
0242	644.1616.S	Temporary Pedestrian Safety Fence	LF	1,600.000	1,200.000	400.000
0244	645.0120	Geotextile Type HR	SY	40.000	40.000	
0246	645.0220	Geogrid Type SR	SY	3,150.000	3,150.000	
0248	646.1020	Marking Line Epoxy 4-Inch	LF	18,409.000	9,555.000	8,854.000
0250	646.5020	Marking Arrow Epoxy	EACH	2.000	2.000	
0252	646.5120	Marking Word Epoxy	EACH	1.000	1.000	
0254	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,759.000	956.000	803.000
0256	646.9000	Marking Removal Line 4-Inch	LF	330.000	330.000	
0258	646.9300	Marking Removal Special Marking	EACH	3.000	3.000	
0260	649.0105	Temporary Marking Line Paint 4-Inch	LF	330.000	330.000	
0262	649.0805	Temporary Marking Stop Line Paint 18-Inch	LF	64.000	64.000	
0264	650.4000	Construction Staking Storm Sewer	EACH	89.000	73.000	16.000
0266	650.4500	Construction Staking Subgrade	LF	4,698.000	4,698.000	
0268	650.5000	Construction Staking Base	LF	4,698.000	4,698.000	
0270	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	11,913.000	10,101.000	1,812.000
0272	650.8000	Construction Staking Resurfacing Reference	LF	4,450.000		4,450.000
0274	650.9000	Construction Staking Curb Ramps	EACH	55.000	31.000	24.000
0276	650.9910	Construction Staking Supplemental Control (project) 01. 9560-02-75	LS	1.000		1.000
0278	650.9910	Construction Staking Supplemental Control (project) 02. 9560-02-74	LS	1.000	1.000	
0280	650.9920	Construction Staking Slope Stakes	LF	4,698.000	4,698.000	
0282	661.0200	Temporary Traffic Signals for Intersections (location) 01. US-2 & US-8	LS	1.000	1.000	
0284	690.0150	Sawing Asphalt	LF	2,194.000	1,824.000	370.000
0286	690.0250	Sawing Concrete	LF	2,978.000	825.000	2,153.000
0288	740.0440	Incentive IRI Ride	DOL	6,900.000	3,500.000	3,400.000

					9560-02-74	9560-02-75
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**
0290	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000	
0292	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,320.000	1,320.000	
0294	SPV.0055	Special 01. Electric Service Disconnect/Reconnect	DOL	1,200.000	1,200.000	
0296	SPV.0055	Special 02. Temporary Traffic Signal Inspection	DOL	2,000.000	2,000.000	
0298	SPV.0060	Special 01. Reconnect Existing Storm Sewer Lateral	EACH	13.000	10.000	3.000
0300	SPV.0060	Special 02. Storm Sewer Tap	EACH	6.000	3.000	3.000
0302	SPV.0060	Special 03. Driveway Inlet Cover	EACH	1.000	1.000	
0304	SPV.0060	Special 11. Adjusting Sanitary Manhole Cover	EACH	23.000	20.000	3.000
0306	SPV.0060	Special 12. Remove and Replace Sanitary Manhole Casting, Adjusting Rings and Cover	EACH	15.000	1.000	14.000
0308	SPV.0060	Special 13. Adjusting Water Valve Box	EACH	54.000	34.000	20.000
0310	SPV.0060	Special 14. Replace Upper Section Water Valve Box	EACH	5.000		5.000
0312	SPV.0090	Special 01. Railing Pedestrian - Type A	LF	12.000	12.000	
0314	SPV.0090	Special 03. Temporary Traffic Signal Exploratory Trenching	LF	100.000	100.000	
0316	SPV.0090	Special 04. Concrete Curb & Gutter 24-INCH, Type D	LF	263.000	263.000	
0318	SPV.0105	Special 03. Open and Repair Chain Link Fence	LS	1.000	1.000	
0320	SPV.0120	Special 01. Water for Seeded Areas	MGAL	92.000	86.000	6.000
0322	SPV.0165	Special 04. Insulation Board (4-INCH)	SF	9,716.000	8,300.000	1,416.000
0324	SPV.0195	Special 01. Management of Petroleum-Contaminated Soil and Groundwater	TON	470.000	470.000	

CLEARING AND GRUBBING

PROJECT	CATEGORY	STATION	LOCATION	O/S	201.0120 CLEARING ID	201.0220 GRUBBING ID	COMMENT
9560-02-74	0010	204+66	USH 141	30' LT.	12	12	CONIFER TREE
	0010	204+81	USH 141	58' LT.	9	9	DECIDUOUS TREE
				SUBTOTALS 9560-02-74:	**21**	**21**	
				TOTALS:	**21**	**21**	

PAVEMENT REMOVAL

PROJECT	CATEGORY	STATION	TO	STATION	LOCATION	204.0100 REMOVING PAVEMENT (1) SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
9560-02-74	0010	163+50.00	-	209+79.35	USH 141 (PINE STREET TO 4TH STREET)	13,377	923	-	-
	0010				DRIVEWAYS AND PARKING LOTS	927	-	-	-
					SUBTOTALS 9560-02-74:	**14,305**	**923**	-	-
9560-02-75	0010	119+50.00	-	164+00.00	VARIOUS LOACTIONS AT STORM SEWER REPLACEMENT	228	-	-	-
	0010	119+50.00	-	164+00.00	USH 141 (BETTERS COURT TO PINE STREET)	-	-	70	19,061
					SUBTOTALS 9560-02-75:	**228**	**-**	**70**	**19,061**
					TOTALS:	**14,532**	**923**	**70**	**19,061**

(1) CONCRETE PAVEMENT PREVIOUSLY REMOVED AS PART OF THE 2016 CITY SANITARY AND WATER REPLACEMENT PROJECTS IS NOT INCLUDED IN THIS PAY ITEM ESTIMATE.

204.0185
REMOVING MASONRY

PROJECT	CATEGORY	STATION	TO	STATION	O/S	ROADWAY	CY	COMMENTS
9560-02-74	0010	204+20	-	205+60	RT.	USH 141	3	5" W X 8"-12" H X 147' L, INCLUDES ATTACHED STEPS
					SUBTOTAL 9560-02-74:		**3**	
					TOTAL:		**3**	

REMOVING CONCRETE STEPS

PROJECT	CATEGORY	STATION	LOCATION	ROADWAY	204.9165.S REMOVING CONCRETE STEPS SF	COMMENTS
9560-02-74	0010	STA. 164+96 LT	VACANT LOT	USH 141	46	REMOVE STEPS, DO NOT REPLACE
	0010	STA. 198+24 LT	944 MAIN STREET	USH 141	63	INCLUDES THE STEPS, THE STEP AND LANDING RAILING AND THE CONCRETE LANDING TO THE FAULTED JOINT LINE
	0010	STA. 198+67 LT	940 MAIN STREET	USH 141	30	
				SUBTOTAL 9560-02-74:	**46**	
				TOTAL:	**46**	

REMOVING CURB AND GUTTER

PROJECT	CATEGORY	STATION	TO	STATION	LOCATION	O/S	204.0130 REMOVING CURB LF	204.0150 REMOVING CURB & GUTTER LF	COMMENT
9560-02-74	0010	10+35 C	-	13+10 C	CLARK STREET	RT	-	280	ALONG RT SIDE OF CLARK ST.
	0010	10+26 TY	-	11+85 TY	TYLER STREET	RT	-	167	ALONG RT SIDE OF TYLER RD.
	0010	-	-	-	EXISTING VINE STREET	LT	-	207	ALONG LT SIDE OF VINE ST.
	0010	-	-	-	EXISTING VINE STREET	RT	-	210	ALONG RT SIDE OF VINE ST.
						SUBTOTALS 9560-02-74:	-	**864**	
9560-02-75	0010	119+50	-	164+00	USH 141	LT	810	-	VARIOUS SECTIONS
	0010	119+50	-	164+00	USH 141	RT	370	-	VARIOUS SECTIONS
	0010	121+12	-	123+97	USH 141	LT	-	285	BETWEEN TUTAS ST. & BETTERS CT.
	0010	121+65	-	123+97	USH 141	RT	-	247	BETWEEN TUTAS ST. & BETTERS CT.
						SUBTOTALS 9560-02-75:	**1,180**	**532**	
						TOTALS:	**1,180**	**1,396**	

REMOVING AND ABANDONING MANHOLES

PROJECT	CATEGORY	STATION	LOCATION	O/S	REMOVING MANHOLES 204.0210 EACH	ABANDONING MANHOLES 204.0250 EACH
9560-02-74	0010	164+20	USH 141	28' LT	-	1
	0010	164+22	USH 141	19' RT	1	-
	0010	169+42	USH 141	41' LT	1	-
	0010	169+45	USH 141	35' RT	1	-
	0010	176+40	USH 141	14' LT	1	-
	0010	176+45	USH 141	26' RT	1	-
	0010	177+06	USH 141	26' LT	1	-
	0010	179+63	USH 141	27' LT	-	1
	0010	179+75	USH 141	27' LT	-	1
	0010	182+15	USH 141	7' LT	1	-
	0010	182+17	USH 141	25' LT	1	-
	0010	196+32	USH 141	31' LT	1	-
	0010	202+13	USH 141	16' LT	1	-
	0010	202+15	USH 141	25' RT	1	-
	0010	11+88	TYLER ROAD	12' RT	1	-
	0010	203+77	USH 141	44' LT	-	1
	0010	204+16	USH 141	26' LT	1	-
	0010	204+58	USH 141	11' LT	1	-
	0010	207+70	USH 141	16' LT	1	-
	0010	208+94	USH 141	11' LT	1	-
				SUBTOTALS 9560-02-74:	**16**	**4**
9560-02-75	0010	151+67	USH 141	30' LT	-	1
	0010	157+25	USH 141	28' LT	1	-
				SUBTOTALS 9560-02-75	**1**	**1**
				TOTALS:	**17**	**5**

204.0155
REMOVING CONCRETE SIDEWALK

PROJECT	CATEGORY	STATION	TO	STATION	LOCATION	O/S	SY
9560-02-74	0010	164+00	-	209+79.35	USH 141	LT	2,421
	0010	164+00	-	209+79.35	USH 141	RT	2,027
	NUMEROUS SECTIONS OF SIDEWALK PREVIOUSLY REMOVED. THE TOTALS ARE 265 SY (LT) AND 135 SY (RT).						-400
						9560-02-74 SUBTOTAL:	**4,048**
9560-02-75	0010	-	-	-	TUTAS STREET INTERSECTION	LT & RT	28
	0010	-	-	-	GOODREAU STREET INTERSECTION	LT & RT	42
	0010	-	-	-	CARDIN STREET INTERSECTION	LT & RT	23
	0010	-	-	-	LEDGE STREET INTERSECTION	LT & RT	31
	0010	-	-	-	BIRCH STREET INTERSECTION	LT & RT	33
	0010	-	-	-	MAPLE STREET INTERSECTION	LT & RT	28
	0010	-	-	-	HEMLOCK STREET INTERSECTION	LT & RT	29
						SUBTOTAL 9560-02-75:	**213**
						TOTAL:	**4,260**

REMOVING AND ABANDONING INLETS

PROJECT	CATEGORY	STATION	LOCATION	O/S	REMOVING INLETS 204.0220 EACH	ABANDONING INLETS 204.0260 EACH
9560-02-74	0010	164+25	USH 141	35' LT	1	-
	0010	164+52	USH 141	31' LT	1	-
	0010	169+56	USH 141	20' RT	1	-
	0010	169+61	USH 141	20' RT	1	-
	0010	176+24	USH 141	22' RT	-	1
	0010	176+61	USH 141	351' RT	1	-
	0010	176+72	USH 141	40' RT	1	-
	0010	176+93	USH 141	21' RT	1	-
	0010	177+15	USH 141	21' LT	1	-
	0010	179+70	USH 141	21' RT	1	-
	0010	179+71	USH 141	21' LT	1	-
	0010	182+18	USH 141	26' RT	-	1
	0010	10+74	MAIN STREET	23' LT	1	-
	0010	184+39	USH 141	27' RT	1	-
	0010	184+94	USH 141	24' LT	1	-
	0010	195+99	USH 141	24' RT	1	-
	0010	196+81	USH 141	17' LT	1	-
	0010	196+82	USH 141	21' RT	1	-
	0010	201+79	USH 141	21' RT	1	-
	0010	201+83	USH 141	21' RT	1	-
	0010	11+65 'TY'	TYLER ROAD	14' RT	1	-
	0010	204+15	USH 141	62' LT	-	1
	0010	204+30	USH 141	41' LT	-	1
	0010	204+58	USH 141	4' LT	1	-
	0010	204+59	USH 141	34'RT	1	-
				SUBTOTALS 9560-02-74	**21**	**4**
9560-02-75	0010	128+17	USH 141	21' RT	1	-
	0010	137+90	USH 141	32' LT	1	-
	0010	138+21	USH 141	31' LT	1	-
	0010	141+90	USH 141	18' LT	1	-
	0010	141+90	USH 141	18' RT	1	-
	0010	146+40	USH 141	17' LT	1	-
	0010	146+40	USH 141	19' RT	1	-
	0010	151+32	USH 141	33' LT	1	-
	0010	151+62	USH 141	31' LT	1	-
	0010	151+82	USH 141	18' LT	1	-
	0010	156+72	USH 141	17' RT	1	-
	0010	157+12	USH 141	39' LT	1	-
	0010	157+38	USH 141	36' LT	1	-
	0010	157+57	USH 141	18' LT	1	-
				SUBTOTALS 9560-02-75:	**14**	**-**
				TOTALS:	**35**	**4**

211.0100

PREPARE FOUNDATION FOR ASPHALTIC PAVING

CATEGORY	LOCATION	LS
0010	PROJECT 9560-02-74	1
0010	PROJECT 9560-02-75	1
	TOTAL:	**2**

213.0100

FINISHING ROADWAY

PROJECT	GROUP CODE	LOCATION	EACH
9560-02-74	0010	PROJECT LIMITS	1
		SUBTOTAL 9560-02-74:	**1**
9560-02-75	0010	PROJECT LIMITS	1
		SUBTOTAL 9560-02-75:	**1**
		TOTAL:	**2**

REMOVING STORM SEWER

PROJECT	CATEGORY	STATION	TO	STATION	LOCATION	204.0245.01 4-INCH LF	204.0245.02 6-INCH LF	204.0245.03 8-INCH LF	204.0245.04 10-INCH LF	204.0245.05 12-INCH LF	204.0245.06 15-INCH LF	204.0245.07 18-INCH LF	204.0245.08 24-INCH LF	204.0245.09 27-INCH LF	204.0245.10 36-INCH LF	204.0245.11 1.0' X 1.0' BOX OPENING LF	204.0245.12 3.5' X 3.5' BOX CULVERT LF
9560-02-74	0010	164+20	-	164+22	USH 141	-	-	-	46	-	-	-	-	-	-	-	-
	0010	9+69 P	-	9+72 P	PINE STREET	-	-	-	32	-	-	-	-	-	-	-	-
	0010	9+65 P	-	9+72 P	PINE STREET, RT	-	-	-	10	-	-	-	-	-	-	-	-
	0010	169+42	-	169+44	USH 141	-	-	-	-	-	-	-	-	55	-	-	-
	0010	169+44	-	169+45	USH 141	-	-	-	-	-	-	-	-		-	-	21
	0010	169+45	-	169+61	USH 141, RT	-	-	-	-	-	-	19	-	-	-	-	-
	0010	169+57	-	169+61	USH 141, RT	-	-	-	-	8	-	-	-	-	-	-	-
	0010	176+24	-	176+46	USH 141, RT	-	-	-	-	23	-	-	-	-	-	-	-
	0010	176+46	-	176+93	USH 141, RT	-	-	-	-	48	-	-	-	-	-	-	-
	0010	10+25 C	-	10+41 C	CLARK STREET, LT	-	-	-	-	29	-	-	-	-	-	-	-
	0010	176+40	-	176+75**	USH 141, LT	-	-	-	-	35	-	-	-	-	-	-	-
	0010	176+41	-	176+46	USH 141	-	-	-	-	-	-	41	-	-	-	-	-
	0010	10+25 C	-	13+50 C	Clark Street, RT	-	-	-	-	-	-	-	-	-	325	-	-
	0010	179+70	-	179+70	USH 141	-	-	-	42	-	-	-	-	-	-	-	-
	0010	180+52**	-	182+15	USH 141, LT	-	-	-	-	163	-	-	-	-	-	-	-
	0010	182+15	-	182+17	USH 141, LT	-	-	-	-	17	-	-	-	-	-	-	-
	0010	182+15	-	182+17	USH 141	-	-	-	32	-	-	-	-	-	-	-	-
	0010	148+39	-	184+94	USH 141	-	-	-	-	-	-	-	75	-	-	-	-
	0010	10+25 M	-	10+74 M	MAIN STREET, LT	-	-	-	-	-	-	-	70	-	-	-	-
	0010	195+89	-	195+99	USH 141, RT	-	-	-	-	-	-	-	-	-	-	-	18
	0010	195+99	-	196+13	USH 141, RT	-	-	-	-	-	-	-	-	-	-	-	27
	0010	196+13	-	196+32	USH 141, LT	-	-	-	-	-	-	-	36	-	-	-	-
	0010	196+82	-	196+82	USH 141	-	-	-	-	38	-	-	-	-	-	-	-
	0010	201+79	-	202+14	USH 141, RT	-	-	-	-	-	35	-	-	-	-	-	-
	0010	202+14	-	202+14	USH 141	-	-	-	-	-	-	-	-	-	41	-	-
	0010	202+14	-	202+43**	USH 141	-	-	-	-	-	-	-	-	-	32	-	-
	0010	10+24 T	-	11+89 T	TYLER STREET, RT	-	-	-	-	-	-	-	-	-	165	-	-
	0010	204+30**	-	204+58	USH 141, LT	-	-	-	-	-	-	-	-	-	30	-	-
	0010	204+57	-	204+58	USH 141, LT	-	-	-	-	-	-	-	-	-	-	7	-
	0010	204+57	-	204+57	USH 141	-	-	-	-	38	-	-	-	-	-	-	-
	0010	204+58	-	205+76**	USH 141, LT	-	-	-	-	-	-	-	-	-	118	-	-
	0010	207+54**	-	207+70	USH 141, LT	-	-	-	-	-	-	-	-	-	16	-	-
	0010	207+70	-	208+94	USH 141, LT	-	-	-	-	-	-	-	-	-	117	-	-
					SUBTOTALS 9560-02-74:	**-**	**-**	**-**	**162**	**399**	**35**	**60**	**181**	**55**	**828**	**7**	**66**
9560-02-75	0010	128+04	-	128+17	USH 141	-	-	-	-	-	-	68	-	-	-	-	-
	0010	10+27 G	-	10+44 G	GOODREAU STREET, LT	-	-	-	-	-	-	17	-	-	-	-	-
	0010	9+68 L	-	9+68 L	LEDGE STREET	33	-	-	-	-	-	-	-	-	-	-	-
	0010	123+91	-	123+91	USH 141	-	43	-	-	-	-	-	-	-	-	-	-
	0010	144+68	-	144+89	USH 141, LT	-	24	-	-	-	-	-	-	-	-	-	-
	0010	146+40	-	146+40	USH 141	-	-	-	-	43	-		-	-	-	-	-
	0010	149+86	-	146+89	USH 141	-	-	-	-	43	-		-	-	-	-	-
	0010	9+63 M	-	9+72 M	MAPLE STREET	-	-	30	-	-	-	-	-	-	-	-	-
	0010	9+72 M	-	9+73 M	MAPLE STREET, LT	-	-	5	-	-	-	-	-	-	-	-	-
	0010	151+67	-	151+70	USH 141	-	-	-	-	57	-	-	-	-	-	-	-
	0010	151+68	-	151+82	USH 141	-	-	15	-	-	-	-	-	-	-	-	-
	0010	156+72	-	157+29	USH 141	-	-	-	-	-	-	-	73	-	-	-	-
	0010	157+29	-	157+57	USH 141, LT	-	-	-	-	29	-	-	-	-	-	-	-
	0010	9+61 H	-	9+72 H	HEMLOCK STREET, RT	-	20	-	-	-	-	-	-	-	-	-	-
	0010	9+64 H	-	9+72 H	HEMLOCK STREET, LT	-	-	-	-	-	-	-	11	-	-	-	-
					SUBTOTALS 9560-02-75:	**33**	**87**	**50**	**-**	**172**	**-**	**85**	**84**	**-**	**-**	**-**	**-**
					TOTALS:	**33**	**87**	**50**	**162**	**571**	**35**	**145**	**265**	**55**	**828**	**7**	**66**

**PLUGGING ABANDONED STORM SEWER PIPE END IS INCIDENTAL TO REMOVING STORM SEWER PIPE.

EARTHWORK SUMMARY

EARTHWORK - STAGE 1

PROJECT	CATEGORY	STATION	TO	STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT (2A AND 2B) CY	205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3) CY	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4) CY	AVAILABLE MATERIAL (5) CY	UNEXPANDED FILL CY	EXPANDED FILL (6) FACTOR = 1.30 CY	MASS ORDINATE +/- (7) CY	WASTE CY	311.0110 BREAKER RUN (8) TON	645.0220 GEOGRID TYPE SR SY
9560-02-74	0010	193+50.00	-	209+79.35	USH 141	5,003	0	870	4,133	79	103	4,030	4,030	0	0
	0010	193+50.00	-	209+79.35	USH 141 (NOTE 2B)	241	0	241	0	0	0	0	0	0	0
	0010	9+50.00 H	-	9+69.42 H	HILL STREET	36	0	0	36	0	0	36	36	0	0
	0010	10+33.86 TY	-	11+75.00 TY	TYLER ROAD	160	0	0	160	0	0	160	160	0	0
	0010	8+50.00 V	-	9+69.00 V	VINE STREET	229	0	0	229	24	31	198	198	0	0
					SUBTOTALS:	5,669	0	1,112	4,558	103	134	4,424	4,424	0	0
					STAGE 1 TOTALS:		**5,669**							**0**	**0**

EARTHWORK - STAGE 2

PROJECT	CATEGORY	STATION	TO	STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CUT (2A AND 2B) CY	205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3) CY	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4) CY	AVAILABLE MATERIAL (5) CY	UNEXPANDED FILL CY	EXPANDED FILL (6) FACTOR = 1.30 CY	MASS ORDINATE +/- (7) CY	WASTE CY	311.0110 BREAKER RUN (8) TON	645.0220 GEOGRID TYPE SR SY
9560-02-74	0010	164+00.00	-	193+50.00	USH 141	9,010	1,400	1,424	7,586	250	325	7,261	7,261	2,520	3,150
	0010	164+00.00	-	193+50.00	USH 141 (NOTE 2B)	437	0	437	0	0	0	0	0	0	0
	0010	9+50.00 P	-	10+60.00 P	PINE STREET	75	0	0	75	1	1	74	74	0	0
	0010	9+63.00 BR	-	9+66.81 BR	BROOK STREET	7	0	0	7	0	0	7	7	0	0
	0010	10+38.68 C	-	13+00.00 C	CLARK STREET	152	0	0	152	0	0	152	152	0	0
	0010	10+70.82 M	-	11+25.00 M	MAIN STREET	138	0	0	138	2	3	135	135	0	0
	0010	9+50.00 S	-	9+68.68 S	SCHOOL STREET	23	0	0	23	0	0	23	23	0	0
					SUBTOTALS:	9,842	1,400		7,981	253	329	7,652	7,652	2,520	3,150
					STAGE 2 TOTALS:		**11,242**							**2,520**	**3,150**
					PROJECT 9560-02-74 TOTALS:		**16,911**							**2,520**	**3,150**

NOTES:

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

2A) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN THE CUT. THE CUT QUANTITY IS NOT ADJUSTED FOR MANAGEMENT OF PETROLEUM-CONTAMINATED SOIL REMOVAL THAT WILL BE FIELD IDENTIFIED. (SEE SPV.0195.01 MANAGEMENT OF PETROLEUM-CONTAMINATED SOIL AND GROUNDWATER)

2B) QUANTITY OF COMMON EXCAVATION NOT SHOWN ON THE CROSS SECTIONS OR THE EARTHWORK QUANTITIES TABLE IS FOR THE REMOVAL OF THE CONCRETE PAVEMENT AND CURB BEYOND THE LIMITS OF THE PROPOSED ROADWAY CROSS SECTION DATA. SEE CONSTRUCTION DETAIL "SUBGRADE LIMITS NOT SHOWN ON CROSS SECTIONS".

3) EBS EXCAVATION = STA 170+00 TO STA 177+00. EBS EXCAVATION TO BE BACKFILLED WITH 16-INCHES OF BREAKER RUN. EBS MATERIAL IS UNSUABLE MATERIAL.

4) SALVAGED/UNUSABLE PAVEMENT MATERIAL.

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL.

6) EXPANDED FILL = (UNEXPANDED FILL) * (EXPANDED FILL FACTOR). EXPANDED FILL FACTOR = 1.30.

7) MASS ORDINATE = (AVAILABLE MATERIAL - EXPANDED FILL). PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL. MINUS INDICATES A SHORTAGE OF MATERIAL.

8) BREAKER RUN = (EBS QUANTITY) * (UNIT WEIGHT FOR BREAKER RUN). UNIT WEIGHT FOR BREAKER RUN = 1.8 TONS/CY. USED FOR BACKFILL OF EBS.

BASE AGGREGATE ITEMS

PROJECT	CATEGORY	STAGE	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
9560-02-74	0010	STAGE 2	163+50.00	-	164+00.00	USH 141	-	87
	0010	STAGE 2	164+00.00	-	176+25.00	USH 141 (PINE STREET TO CLARK STREET)	-	2,100
	0010	STAGE 2	176+25.00	-	183+00.00	USH 141 (CLARK STREET TO MAIN STREET)	-	1,157
	0010	STAGE 2	183+00.00	-	186+50.00	USH 141 (MAIN STREET TO SCHOOL STREET)	-	717
	0010	STAGE 2	186+50.00	-	193+50.00	USH 141 (SCHOOL STREET TO HILL STREET)	-	1,170
	0010	STAGE 1	193+50.00	-	201+75.00	USH 141 (HILL STREET TO TYLER ROAD)	-	1,394
	0010	STAGE 1	201+75.00	-	209+79.35	USH 141 (TYLER ROAD TO END PROJECT)	-	1,378
	0010	STAGE 2	9+50.00 P	-	9+67.59 P	PINE STREET	-	38
	0010	STAGE 2	10+33.61 P	-	10+60.00 P	PINE STREET	-	57
	0010	STAGE 2	9+63.00 BR	-	9+66.81 BR	BROOK STREET	-	11
	0010	STAGE 2	10+38.68 C	-	10+50.00 C	CLARK STREET	-	22
	0010	STAGE 2	10+50.00 C	-	13+15.00 C	CLARK STREET	-	172
	0010	STAGE 2	10+70.82 M	-	11+25.00 M	MAIN STREET	-	166
	0010	STAGE 2	9+50.00 S	-	9+68.68 S	SCHOOL STREET	-	30
	0010	STAGE 1	9+50.00 H	-	9+69.42 H	HILL STREET	-	51
	0010	STAGE 1	10+33.86 TY	-	10+75.00 TY	TYLER ROAD	-	86
	0010	STAGE 1	10+75.00 TY	-	12+00.00 TY	TYLER ROAD	-	70
	0010	STAGE 1	8+50.00 V	-	9+69.00 V	VINE STREET	-	250
	0010	STAGE 1	-	-	-	DRIVEWAYS - STAGE 1	-	437
	0010	STAGE 2	-	-	-	DRIVEWAYS - STAGE 2	-	879
	0010	STAGE 2	-	-	-	MILL PROPERTY GRAVEL PARKING LOT FOR CLARK STREET OUTFALL	-	263
	0010	STAGE 1	-	-	-	SIDEWALK - STAGE 1	255	-
	0010	STAGE 2	-	-	-	SIDEWALK - STAGE 2	665	-
	0010	STAGE 1	-	-	-	TEMPORARY RAMP AT EXISITNG SIDEROADS AND DRIVEWAYS - STAGE 1	-	83
	0010	STAGE 2	-	-	-	TEMPORARY RAMP AT EXISITNG SIDEROADS AND DRIVEWAYS - STAGE 2	-	142
						SUBTOTALS 9560-02-74:	**921**	**10,762**
9560-02-75	0010	STAGE 2	-	-	-	SIDEWALK	50	-
	0010	STAGE 2	-	-	-	CURB AND GUTTER AND CURB REPLACEMENT	-	255
						SUBTOTALS 9560-02-75:	**50**	**255**
						TOTALS:	**971**	**11,017**

CONCRETE PAVEMENT

PROJECT	CATEGORY	STA	TO	STA	ROADWAY	320.0155 CONCRETE BASE 9-INCH SY	COMMENTS
9560-02-75	0010	128+05	-	128+20	USH 141 AT GOODREAU STREET INTERSECTION	30	CONCRETE PAVEMENT REMOVAL FOR STORM SEWER WORK
	0010	9+66 'L'	-	9+71 'L'	LEDGE STREET AT USH 141 INTERSECTION	12	CONCRETE PAVEMENT REMOVAL FOR STORM SEWER WORK
	0010	141+88	-	141+95	USH 141	25	CONCRETE PAVEMENT REMOVAL FOR STORM SEWER WORK
	0010	146+37	-	146+43	USH 141	25	CONCRETE PAVEMENT REMOVAL FOR STORM SEWER WORK
	0010	149+85	-	149+91	USH 141	25	CONCRETE PAVEMENT REMOVAL FOR STORM SEWER WORK
	0010	9+61 'M'	-	9+74 'M'	MAPLE STREET AT USH 141 INTERSECTION	13	CONCRETE PAVEMENT REMOVAL FOR STORM SEWER WORK
	0010	151+65	-	151+80	USH 141 AT MAPLE STREET INTERSECTION	27	CONCRETE PAVEMENT REMOVAL FOR STORM SEWER WORK
	0010	156+65	-	157+40	USH 141 AT HEMLOCK STREET INTERSECTION	70	CONCRETE PAVEMENT REMOVAL FOR STORM SEWER WORK
					SUBTOTAL 9560-02-75:	**227**	
					TOTAL:	**227**	

CONCRETE DRIVEWAY

PROJECT	CATEGORY	STAGE	STATION	LOCATION	416.0160 6-INCH SY	416.0180 8-INCH SY	REMARKS
9560-02-74	0010	STAGE 2	165+78	USH 141, RT.	29	-	JOINT P.E.
	0010	STAGE 2	166+49	USH 141, RT.	9	-	P.E.
	0010	STAGE 2	166+49	USH 141, LT.	34	-	C.E.
	0010	STAGE 2	166+98	USH 141, RT.	17	-	P.E.
	0010	STAGE 2	167+68	USH 141, RT.	25	-	C.E.
	0010	STAGE 2	168+57	USH 141, RT.	25	-	C.E.
	0010	STAGE 2	170+28	USH 141, LT.	45	-	C.E.
	0010	STAGE 2	170+37	USH 141, RT.	24	-	P.E.
	0010	STAGE 2	170+51	USH 141, RT.	24	-	P.E.
	0010	STAGE 2	171+18	USH 141, LT.	36	-	C.E.
	0010	STAGE 2	171+38	USH 141, RT.	25	-	P.E.
	0010	STAGE 2	171+98	USH 141, RT.	42	-	P.E.
	0010	STAGE 2	172+16	USH 141, LT.	17	-	P.E.
	0010	STAGE 2	172+51	USH 141, RT.	24	-	P.E.
	0010	STAGE 2	172+99	USH 141, RT.	25	-	P.E.
	0010	STAGE 2	173+22	USH 141, LT.	19	-	P.E.
	0010	STAGE 2	173+52	USH 141, RT.	25	-	P.E.
	0010	STAGE 2	173+72	USH 141, LT.	18	-	P.E.
	0010	STAGE 2	174+56	USH 141, RT.	29	-	P.E.
	0010	STAGE 2	175+21	USH 141, RT.	16	-	P.E.
	0010	STAGE 2	175+26	USH 141, LT.	45	-	P.E.
	0010	STAGE 2	177+97	USH 141, LT.	28	-	P.E.
	0010	STAGE 2	178+57	USH 141, LT.	35	-	P.E.
	0010	STAGE 2	179+12	USH 141, LT.	30	-	P.E.
	0010	STAGE 2	179+36	USH 141, RT.	-	35	C.E.
	0010	STAGE 2	180+07	USH 141, LT.	85	-	C.E.
	0010	STAGE 2	181+56	USH 141, LT.	50	-	C.E.
	0010	STAGE 2	181+64	USH 141, RT.	-	40	C.E.
	0010	STAGE 2	182+83	USH 141, LT.	-	65	C.E.
	0010	STAGE 2	183+89	USH 141, LT.	-	65	C.E.
	0010	STAGE 2	185+15	USH 141, LT.	-	65	C.E.
	0010	STAGE 2	186+06	USH 141, RT.	54	-	C.E.
	0010	STAGE 2	186+46	USH 141, RT.	40	-	C.E.
	0010	STAGE 2	187+26	USH 141, LT.	67	-	JOINT P.E.
	0010	STAGE 2	188+02	USH 141, LT.	27	-	P.E.
	0010	STAGE 2	188+04	USH 141, RT.	42	-	C.E.
	0010	STAGE 2	188+64	USH 141, LT.	40	-	P.E.
	0010	STAGE 2	188+94	USH 141, RT.	42	-	C.E.
	0010	STAGE 2	189+55	USH 141, RT.	39	-	C.E.
	0010	STAGE 2	189+74	USH 141, LT.	64	-	JOINT P.E.
	0010	STAGE 2	190+09	USH 141, RT.	47	-	C.E.
	0010	STAGE 2	190+87	USH 141, LT.	38	-	P.E.
	0010	STAGE 2	191+05	USH 141, RT.	33	-	C.E.
	0010	STAGE 2	191+48	USH 141, LT.	39	-	P.E.
	0010	STAGE 2	191+87	USH 141, RT.	74	-	C.E.
	0010	STAGE 2	192+09	USH 141, LT.	53	-	JOINT P.E.
	0010	STAGE 2	192+32	USH 141, RT.	49	-	C.E.
	0010	STAGE 2	192+85	USH 141, LT.	43	-	P.E.
	0010	STAGE 2	193+24	USH 141, RT.	34	-	C.E.
	0010	STAGE 1	193+50	USH 141, LT.	32	-	P.E.
	0010	STAGE 1	194+43	USH 141, RT.	26	-	C.E.
	0010	STAGE 1	195+05	USH 141, LT.	23	-	C.E.
	0010	STAGE 1	195+29	USH 141, RT.	38	-	C.E.
	0010	STAGE 1	196+12	USH 141, LT.	34	-	C.E.
	0010	STAGE 1	196+46	USH 141, RT.	22	-	C.E.
	0010	STAGE 1	196+95	USH 141, LT.	21	-	C.E.
	0010	STAGE 1	197+51	USH 141, LT.	38	-	P.E.
	0010	STAGE 1	197+62	USH 141, RT.	39	-	JOINT P.E.
	0010	STAGE 1	197+78	USH 141, RT.	38	-	JOINT P.E.
	0010	STAGE 1	198+17	USH 141, LT.	12	-	P.E.

CONCRETE DRIVEWAY (CONTINUED)

PROJECT	CATEGORY	STAGE	STATION	LOCATION	416.0160 6-INCH SY	416.0180 8-INCH SY	REMARKS
9560-02-74	0010	STAGE 1	198+87	USH 141, RT.	37	-	P.E.
	0010	STAGE 1	198+95	USH 141, LT.	28	-	P.E.
	0010	STAGE 1	199+03	USH 141, RT.	37	-	P.E.
	0010	STAGE 1	199+13	USH 141, LT.	12	-	P.E.
	0010	STAGE 1	199+70	USH 141, LT.	12	-	P.E.
	0010	STAGE 1	200+06	USH 141, RT.	30	-	P.E.
	0010	STAGE 1	200+34	USH 141, LT.	12	-	P.E.
	0010	STAGE 1	200+71	USH 141, RT.	41	-	P.E.
	0010	STAGE 1	201+35	USH 141, LT.	17	-	P.E.
	0010	STAGE 1	201+92	USH 141, LT.	20	-	P.E.
	0010	STAGE 1	202+87	USH 141, LT.	32	-	P.E.
	0010	STAGE 1	203+37	USH 141, RT.	53	-	C.E.
	0010	STAGE 1	203+45	USH 141, LT.	59	-	P.E.
	0010	STAGE 1	204+07	USH 141, RT.	21	-	P.E.
	0010	STAGE 1	205+64	USH 141, RT.	37	-	P.E.
	0010	STAGE 1	206+56	USH 141, RT.	25	-	P.E.
	0010	STAGE 1	208+57	USH 141, LT.	31	-	P.E.
	0010	STAGE 1	8+78 V	VINE STREET, RT.	7	-	P.E.
	0010	STAGE 1	9+27 V	VINE STREET, RT.	26	-	P.E.
				SUBTOTALS 9560-02-74:	**2,466**	**270**	
				TOTALS:	**2,466**	**270**	

465.0120
ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

PROJECT	CATEGORY	STAGE	STATION	LOCATION	TON	REMARKS
9560-02-74	0010	STAGE 2	165+98	USH 141, RT.	2	P.E.
	0010	STAGE 2	166+49	USH 141, RT.	1	P.E.
	0010	STAGE 2	166+49	USH 141, LT.	21	C.E.
	0010	STAGE 2	166+98	USH 141, RT.	2	P.E.
	0010	STAGE 2	168+12	USH 141, RT.	17	C.E.S & PARKING LOT
	0010	STAGE 2	170+28	USH 141, LT.	7	C.E.
	0010	STAGE 2	171+18	USH 141, LT.	4	C.E.
	0010	STAGE 2	172+16	USH 141, LT.	1	P.E.
	0010	STAGE 2	173+22	USH 141, LT.	4	P.E.
	0010	STAGE 2	174+56	USH 141, RT.	2	P.E.
	0010	STAGE 2	175+21	USH 141, RT.	1	P.E.
	0010	STAGE 2	175+26	USH 141, LT.	1	P.E.
	0010	STAGE 2	178+57	USH 141, LT.	1	P.E.
	0010	STAGE 2	179+12	USH 141, LT.	3	P.E.
	0010	STAGE 2	179+36	USH 141, RT.	6	C.E.
	0010	STAGE 2	181+56	USH 141, LT.	8	C.E.
	0010	STAGE 2	181+64	USH 141, RT.	3	C.E.
	0010	STAGE 2	182+83	USH 141, LT.	10	C.E.
	0010	STAGE 2	183+89	USH 141, LT.	18	C.E.
	0010	STAGE 2	185+15	USH 141, LT.	10	C.E.
	0010	STAGE 2	186+06	USH 141, RT.	4	C.E.
	0010	STAGE 2	186+46	USH 141, RT.	4	C.E.
	0010	STAGE 2	187+43	USH 141, LT.	2	P.E.
	0010	STAGE 2	188+02	USH 141, LT.	2	P.E.
	0010	STAGE 2	188+04	USH 141, RT.	3	C.E.
	0010	STAGE 2	188+94	USH 141, RT.	4	C.E.
	0010	STAGE 2	189+55	USH 141, RT.	2	C.E.
	0010	STAGE 2	189+88	USH 141, LT.	2	P.E.
	0010	STAGE 2	190+09	USH 141, RT.	4	C.E.
	0010	STAGE 2	191+05	USH 141, RT.	1	C.E.
	0010	STAGE 2	192+09	USH 141, LT.	2	P.E.
	0010	STAGE 2	192+23	USH 141, LT.	3	P.E.
	0010	STAGE 1	193+50	USH 141, LT.	1	P.E.
	0010	STAGE 1	194+43	USH 141, RT.	2	C.E.
	0010	STAGE 1	196+12	USH 141, LT.	11	C.E.
	0010	STAGE 1	196+46	USH 141, RT.	2	C.E.
	0010	STAGE 1	199+13	USH 141, LT.	3	P.E.
	0010	STAGE 1	199+70	USH 141, LT.	3	P.E.
	0010	STAGE 1	200+34	USH 141, LT.	3	P.E.
	0010	STAGE 1	201+35	USH 141, LT.	2	P.E.
	0010	STAGE 1	202+87	USH 141, LT.	5	P.E.
	0010	STAGE 1	203+37	USH 141, RT.	43	C.E. & PARKING LOT
	0010	STAGE 1	204+07	USH 141, RT.	4	P.E.
	0010	STAGE 1	8+78	VINE STREET, RT.	1	P.E.
				SUBTOTAL 9560-02-74:	**235**	
				TOTAL:	**235**	

ASPHALT PAVEMENT ITEMS

PROJECT	CATEGORY	STAGE	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.6444 HMA PAVEMENT 4 MT 58-34 H TON	460.4110.S REHEATING HMA PAVEMENT LONGITUDINAL JOINTS LF
9560-02-74	0010	STAGE 2	164+00.00	-	176+25.00	USH 141 (PINE STREET TO CLARK STREET)	545	1,750	-	437	3,675
	0010	STAGE 2	176+25.00	-	186+50.00	USH 141 (CLARK STREET TO SCHOOL STREET)	494	1,584	-	396	3,075
	0010	STAGE 2	186+50.00	-	201+75.00	USH 141 (SCHOOL STREET TO TYLER ROAD)	658	2,112	-	528	4,575
	0010	STAGE 2	201+75.00	-	209+79.35	USH 141 (TYLER ROAD TO END PROJECT)	357	1,146	-	286	2,413
	0010	STAGE 2	9+50.00 P	-	9+67.59 P	PINE STREET	3	-	5	5	18
	0010	STAGE 2	10+33.61 P	-	10+60.00 P	PINE STREET	4	-	7	7	26
	0010	STAGE 2	9+63.00 BR	-	9+66.81 BR	BROOK STREET	1	-	1	1	4
	0010	STAGE 2	10+38.68 C	-	10+50.00 C	CLARK STREET	2	-	3	3	11
	0010	STAGE 2	10+70.82 M		11+25.00 M	MAIN STREET	14	-	22	22	54
	0010	STAGE 2	9+50.00 S	-	9+68.68 S	SCHOOL STREET	2	-	3	3	19
	0010	STAGE 2	9+50.00 H	-	9+69.42 H	HILL STREET	4	-	7	7	19
	0010	STAGE 2	10+33.86 TY	-	10+75.00 TY	TYLER ROAD	7	-	11	11	41
	0010	STAGE 2	8+50.00 V	-	9+69.00 V	VINE STREET	19	-	31	31	119
	0010	STAGE 2	10+50.00 C	-	13+15.00 C	CLARK STREET	88	-	60	60	265
	0010	STAGE 2	10+75.00 TY	-	12+00.00 TY	TYLER ROAD	25	-	17	17	125
						SUBTOTALS 9560-02-74:	**2,226**	**6,592**	**167**	**1,814**	**14,440**
9560-02-75	0010	STAGE 2	119+50.00	-	131+75.00	USH 141 (BEGINNING OF PROJECT TO CARDIN STREET)	621	-	498	498	2,450
	0010	STAGE 2	131+75.00	-	144+50.00	USH 141 (CARDIN STREET TO BIRCH STREET)	658	-	528	528	2,550
	0010	STAGE 2	144+50.00	-	156+75.00	USH 141 (BIRCH STREET TO HEMLOCK STREET)	642	-	515	515	2,450
	0010	STAGE 2	156+75.00	-	164+00.00	USH 141 (HEMLOCK STREET TO PINE STREET)	348	-	279	279	1,450
	0010	STAGE 2	119+50.00	-	164+00.00	SIDE ROADS	18	-	14	14	8,900
						SUBTOTALS 9560-02-75:	**2,287**	**-**	**1,834**	**1,834**	**17,800**
						TOTALS:	**4,513**	**6,592**	**2,001**	**3,648**	**32,240**

SIDEWALK AND CURB RAMP DETECTABLE WARNING

PROJECT	CATEGORY	STAGE	STATION	TO	STATION	O/S	ROADWAY	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	REMARKS
9560-02-74	0010	STAGE 1	193+50	-	204+43	LT	USH 141	5,015	40	-	4	
	0010	STAGE 1	193+50	-	206+75	RT	USH 141	5,942	40	-	4	
	0010	STAGE 1	8+50	-	9+26	RT	VINE ST	384	-	-		
	0010	STAGE 1	193+50	-	196+52	RT	USH 141	1,784	-	-		CONCRETE TERRACE
	0010	STAGE 2	164+00	-	193+50	LT	USH 141	13,608	110	16	12	
	0010	STAGE 2	164+00	-	193+50	RT	USH 141	13,653	19	21	11	
	0010	STAGE 2	184+24		193+50	RT	USH 141	6,962	-	-		CONCRETE TERRACE
							SUBTOTALS 9560-02-74:	**47,348**	**209**	**37**	**31**	
9560-02-75	0010	STAGE 2	119+50	-	164+00	LT	USH 141	1,918	140	30	16	TUTAS, GOODREAU, CARDIN, LEDGE, BIRCH, MAPLE, & HEMLOCK ST INTERSECTIONS
	0010	STAGE 2	119+50	-	164+00	RT	USH 141	656	80	-	8	TUTAS, GOODREAU, CARDIN, & LEDGE ST INTERSECTIONS
							SUBTOTALS 9560-02-75:	**2,574**	**220**	**30**	**24**	
							TOTALS:	**49,922**	**429**	**67**	**55**	

CONCRETE CURB AND GUTTER

PROJECT	CATEGORY	STAGE	STA	TO	STA	O/S	ROADWAY	601.0110 CONCRETE CURB TYPE D LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	SPV.0090.04 CONCRETE CURB & GUTTER 24-INCH TYPE D LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
9560-02-74	0010	STAGE 1	193+50	-	194+10	LT.	USH 141 (STA 193+50 TO HILL STREET)	-	-	-	85	85
	0010	STAGE 1	194+40	-	204+43	LT.	USH 141 (HILL STREET TO VINE STREET)	-	-	-	1,044	1,044
	0010	STAGE 1	204+80	-	209+79	LT.	USH 141 (VINE STREET TO END PROJECT)	-	-	-	492	492
	0010	STAGE 1	8+50 V	-	9+69 V	RT.	VINE STREET	-	-	-	133	133
	0010	STAGE 1	8+50 V	-	9+69 V	LT.	VINE STREET	-	-	-	105	105
	0010	STAGE 1	193+50	-	202+12	RT.	USH 141 (STA 193+50 TO TYLER ROAD)	-	-	-	907	907
	0010	STAGE 1	202+39	-	209+79	RT.	USH 141 (TYLER ROAD TO END PROJECT)	-	-	-	812	812
	0010	STAGE 1	10+75 TY	-	11+83 TY	RT.	TYLER ROAD	-	110	-	-	110
	0010	STAGE 2	164+00	-	164+26	LT.	USH 141 (STA. 164+00 TO PINE STREET)	-	-	-	49	49
	0010	STAGE 2	164+51	-	169+60	LT.	USH 141 (PINE STREET TO BROOK STREET)	-	-	-	553	553
	0010	STAGE 2	169+90	-	185+98	LT.	USH 141 (BROOK STREET TO SCHOOL STREET)	-	-	-	1,643	1,643
	0010	STAGE 2	186+15	-	193+50	LT.	USH 141 (SCHOOL STREET TO STA 193+50)	-	-	-	759	759
	0010	STAGE 2	164+00	-	164+28	RT.	USH 141 (STA. 164+00 TO PINE STREET)	-	-	-	60	60
	0010	STAGE 2	164+52	-	176+52	RT.	USH 141 (PINE STREET TO CLARK STREET)	-	-	-	1,245	1,245
	0010	STAGE 2	176+71	-	183+51	RT.	USH 141 (CLARK STREET TO MAIN STREET)	-	-	-	784	784
	0010	STAGE 2	183+75	-	193+50	RT.	USH 141 (MAIN STREET TO STA 193+50)	-	-	-	1,057	1,057
	0010	STAGE 2	10+50 C	-	13+10 C	RT.	CLARK STREET	-	-	263	-	263
							SUBTOTALS 9560-02-74:	**-**	**110**	**263**	**9,728**	**10,101**
9560-02-75	0010	STAGE 2	121+12	-	123+97	LT.	USH 141	-	-	-	285	285
	0010	STAGE 2	124+75	-	125+08	LT.	USH 141	33	-	-	-	33
	0010	STAGE 2	125+08	-	125+18	LT.	USH 141	-	-	-	10	10
	0010	STAGE 2	125+18	-	125+60	LT.	USH 141	42	-	-	-	42
	0010	STAGE 2	127+50	-	127+62	LT.	USH 141 (AT GOODREAU STREET)	-	-	-	19	19
	0010	STAGE 2	127+98	-	128+30	LT.	USH 141 (AT GOODREAU STREET)	24	-	-	27	51
	0010	STAGE 2	131+00	-	131+92	LT.	USH 141	93	-	-	-	93
	0010	STAGE 2	9+69 CA	-	9+78 CA	RT.	CARDIN STREET	-	-	-	9	9
	0010	STAGE 2	132+22	-	132+37	LT.	USH 141 (AT CARDIN STREET)	-	-	-	23	23
	0010	STAGE 2	132+37	-	132+56	LT.	USH 141	19	-	-	-	19
	0010	STAGE 2	137+70	-	137+93	LT.	USH 141 (AT LEDGE STREET)	-	-	-	32	32
	0010	STAGE 2	138+18	-	138+41	LT.	USH 141 (AT LEDGE STREET)	-	-	-	34	34
	0010	STAGE 2	138+41	-	139+00	LT.	USH 141	59	-	-	-	59
	0010	STAGE 2	141+85	-	141+97	LT.	USH 141	-	-	-	12	12
	0010	STAGE 2	144+60	-	144+70	LT.	USH 141	11	-	-	-	11
	0010	STAGE 2	144+70	-	144+93	LT.	USH 141 (AT BIRCH STREET)	-	-	-	35	35
	0010	STAGE 2	145+23	-	145+45	LT.	USH 141 (AT BIRCH STREET)	-	-	-	28	28
	0010	STAGE 2	146+34	-	146+46	LT.	USH 141	-	-	-	12	12
	0010	STAGE 2	149+81	-	149+93	LT.	USH 141	-	-	-	12	12
	0010	STAGE 2	151+17	-	151+33	LT.	USH 141 (AT MAPLE STREET)	-	-	-	28	28
	0010	STAGE 2	151+62	-	151+89	LT.	USH 141 (AT MAPLE STREET)	-	-	-	33	33
	0010	STAGE 2	156+83	-	156+97	LT.	USH 141	14	-	-	-	14
	0010	STAGE 2	156+97	-	157+13	LT.	USH 141 (AT HEMLOCK STREET)	-	-	-	33	33
	0010	STAGE 2	157+36	-	157+50	LT.	USH 141 (AT HEMLOCK STREET)	-	-	-	31	31
	0010	STAGE 2	157+50	-	157+64	LT.	USH 141	14	-	-	-	14
	0010	STAGE 2	159+02	-	159+25	LT.	USH 141	23	-	-	-	23
	0010	STAGE 2	161+12	-	161+31	LT.	USH 141	19	-	-	-	19
	0010	STAGE 2	162+37	-	162+68	LT.	USH 141	31	-	-	-	31
	0010	STAGE 2	163+00	-	164+00	LT.	USH 141	-	-	-	100	100
	0010	STAGE 2	121+65	-	123+97	RT.	USH 141	-	-	-	247	247
	0010	STAGE 2	125+00	-	125+25	RT.	USH 141 (AT TUTAS STREET)	7	-	-	22	29
	0010	STAGE 2	127+59	-	127+78	RT.	USH 141 (AT GOODREAU STREET)	-	-	-	24	24
	0010	STAGE 2	128+13	-	128+28	RT.	USH 141 (AT GOODREAU STREET)	-	-	-	22	22
	0010	STAGE 2	131+74	-	131+91	RT.	USH 141(AT CARDIN STREET)	19	-	-	-	19
	0010	STAGE 2	10+22 CA	-	10+31 CA	RT.	CARDIN STREET	-	-	-	9	9
	0010	STAGE 2	10+31 CA	-	10+38 CA	RT.	CARDIN STREET	7	-	-	-	7
	0010	STAGE 2	10+31 CA	-	10+38 CA	LT.	CARDIN STREET	7	-	-	-	7
	0010	STAGE 2	132+24	-	132+38	RT.	USH 141 (AT CARDIN STREET)	-	-	-	20	20
	0010	STAGE 2	132+38	-	132+45	RT.	USH 141	7	-	-	-	7
	0010	STAGE 2	138+09	-	138+41	RT.	USH 141	31	-	-	-	31
	0010	STAGE 2	141+85	-	141+97	RT.	USH 141	12	-	-	-	12
	0010	STAGE 2	146+34	-	146+46	RT.	USH 141	-	-	-	12	12
	0010	STAGE 2	149+82	-	149+94	RT.	USH 141	-	-	-	12	12
	0010	STAGE 2	151+11	-	151+96	RT.	USH 141	84	-	-	-	84
	0010	STAGE 2	153+24	-	153+87	RT.	USH 141	63	-	-	-	63
	0010	STAGE 2	156+66	-	156+78	RT.	USH 141	12	-	-	-	12
	0010	STAGE 2	163+50	-	164+00	RT.	USH 141	-	-	-	50	50
							SUBTOTALS 9560-02-75:	**631**	**-**	**-**	**1,181**	**1,812**
							TOTALS:	**631**	**110**	**263**	**10,909**	**11,913**

CONCRETE STEPS

PROJECT	CATEGORY	STAGE	LOCATION	STATION	ROADWAY	602.1500 CONCRETE STEPS SF	COMMENTS
9560-02-74	0010	STAGE 1	944 MAIN STREET	198+24.31	USH 141, LT	49	INCLUDES CONCRETE VERTICAL WALL AND LANDING, INSTALL RAILING - SEE SPV.0105.01
					SUBTOTAL 9560-02-74:	**49**	
					TOTAL:	**49**	

SAWING PAVEMENT

PROJECT	CATEGORY	LOCATION	ROADWAY	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
9560-02-74	0010	SIDE ROADS: USH 141, LT	PINE, BROOK, SCHOOL, HILL, VINE	128	25	TRANSVERSE ASPHALT PAVEMENT AND CURB & GUTTER SAWCUTS
	0010	SIDE ROADS: USH 141, RT	PINE, MAIN	64	20	TRANSVERSE ASPHALT PAVEMENT AND CURB & GUTTER SAWCUTS
	0010	STA 10+50 C TO STA 13+53 C	CLARK STREET	178	2	SAWCUTS FOR STORM SEWER WORK
	0010	STA 10+75 TY TO STA 12+00 TY	TAYLOR STREET	182	-	SAWCUTS FOR STORM SEWER WORK
	0010	DRIVEWAYS, LT	USH 141	622	161	
	0010	DRIVEWAYS, RT	USH 141	618	279	
	0010	PUBLIC SIDEWALKS, LT	VARIOUS SIDE ROADS	-	27	
	0010	PUBLIC SIDEWALKS, RT	VARIOUS SIDE ROADS	-	19	
	0010	PRIVATE SIDEWALKS, LT	USH 141	-	121	
	0010	PRIVATE SIDEWALKS, RT	USH 141	-	160	
	0010	PRIVATE SIDEWALKS, RT	VINE STREET	-	6	
	0010	209+79.35	USH 141	32	5	TRANSVERSE ASPHALT PAVEMENT AND CURB & GUTTER SAWCUTS
			SUBTOTALS 9560-02-74:	**1,824**	**825**	
9560-02-75	0010	119+50	USH 141	-	24	TRANSVERSE ASPHALT PAVEMENT AT START OF PROJECT
	0010	SIDE ROADS: USH 141, LT	GOODREAU, CARDIN, LEDGE, BIRCH, MAPLE, HEMLOCK	162	-	TRANSVERSE ASPHALT PAVEMENT SAWCUTS
	0010	SIDE ROADS: USH 141, RT	BETTERS, TUTAS, GOODREAU, CARDIN	115	-	TRANSVERSE ASPHALT PAVEMENT SAWCUTS
	0010	LONGITUDINAL SAWCUT ALONG CURBS, LT	USH 141	47	434	
	0010	LONGITUDINAL SAWCUT ALONG CURBS, RT	USH 141	21	253	
	0010	TRANSVERSE 30-INCH CURB & GUTTER SECTIONS, LT	USH 141	-	85	
	0010	TRANSVERSE 30-INCH CURB & GUTTER SECTIONS, RT	USH 141	-	35	
	0010	ALONG CURB & GUTTER AT CURB RAMPS AND INLETS, LT	USH 141	-	394	
	0010	ALONG CURB & GUTTER AT CURB RAMPS AND INLETS, RT	USH 141	25	108	SAW AT 30" CURB & GUTTER FLANGE
	0010	SIDEWALK SECTIONS, LT	USH 141	-	92	TRANSVERSE SAW CUTS
	0010	SIDEWALK SECTIONS, RT	USH 141	-	20	TRANSVERSE SAW CUTS
	0010	STORM SEWER CROSSINGS	USH 141 & SIDE ROADS	-	669	
	0010	163+50	USH 141	-	39	TRANSVERSE SAW CUT 50 FT FROM END OF PROJECT
			SUBTOTALS 9560-02-75:	**370**	**2,153**	
			TOTAL:	**2,194**	**2,978**	

STORM SEWER PIPE SCHEDULE

PROJECT	CATEGORY	STAGE	PIPE LOCATION FROM		TO	INVERT INLET	INVERT DISCHARGE	SLOPE(%)	STORM SEWER PIPE REINFORCED CONCRETE 608.0412 CLASS IV 12-INCH LF	608.0418 CLASS IV 18-INCH LF	608.0424 CLASS IV 24-INCH LF	608.0430 CLASS IV 30-INCH LF	608.0436 CLASS IV 36-INCH LF	608.0442 CLASS IV 42-INCH LF	608.0448 CLASS IV 48-INCH LF	608.2338 HORIZONTAL ELLIPTICAL CLASS HE-III 38X60-INCH LF	608.2429 HORIZONTAL ELLIPTICAL CLASS HE-IV 29x45-INCH LF	522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH EACH	520.8000 CONCRETE COLLAR EACH	SPV.0060.01 RECONNECT EXISTING STORM SEWER LATERAL EACH	SPV.0060.02 STORM SEWER TAP EACH	* SPV.0165.04 INSULATION BOARD (4-INCH) SF
9560-02-74	0010	STAGE 2	1.2	-	1.1	901.48	901.14	1.45%	-	27	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	1.1	-	1.0	900.37	899.30	2.23%	-	53	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	1.3	-	1.0	900.49	899.46	0.75%	142	-	-	-	-	-	-	-	-	-	-	-	-	568
	0010	STAGE 2	1.0	-	EXISTING 10-INCH PIPE	897.80	-	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 2	EXISTING 12-INCH PIPE	-	2.2	-	892.79	MATCH EXISTING	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	0010	STAGE 2	EXISTING 36-INCH PIPE	-	2.2	-	891.77	MATCH EXISTING	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	0010	STAGE 2	2.2	-	2.1	891.59	891.20	2.32%	-	-	-	-	-	-	-	26	-	-	-	-	1	-
	0010	STAGE 2	2.1	-	2.0	891.04	890.64	1.00%	-	-	-	-	-	-	-	50	-	-	-	-	-	-
	0010	STAGE 2	2.0	-	EXISTING 30-INCH PIPE	890.42	-	MATCH EXISTING	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	0010	STAGE 2	2.3	-	2.1	892.97	892.92	2.00%	9	-	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	2.6	-	2.5	892.26	892.02	2.00%	15	-	-	-	-	-	-	-	-	-	-	-	-	60
	0010	STAGE 2	2.5	-	2.4	891.96	891.80	2.00%	12	-	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	2.4	-	2.0	891.71	891.53	2.00%	16	-	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	3.5	-	3.4	882.93	881.52	0.60%	-	-	241	-	-	-	-	-	-	-	-	-	-	964
	0010	STAGE 2	3.4	-	3.3	881.48	879.77	0.62%	-	-	281	-	-	-	-	-	-	-	-	-	-	368
	0010	STAGE 2	3.3	-	3.2	879.72	879.39	0.74%	-	-	-	-	54	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	EXISTING 8-INCH PIPE	-	3.2	881.86	-	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	0010	STAGE 2	EXISTING 12-INCH PIPE	-	3.2	880.57	-	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	0010	STAGE 2	3.2	-	3.1	879.32	879.15	0.65%	-	-	-	-	-	34	-	-	-	-	-	-	-	-
	0010	STAGE 2	EXISTING 6-INCH PIPE	-	3.1	-	-	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 2	3.1	-	3.0	879.11	879.03	0.65%	-	-	-	-	-	20	-	-	-	-	-	-	-	-
	0010	STAGE 1	3.0	-	3.C	878.99	878.09	0.30%	-	-	-	-	-	305	-	-	-	-	-	-	-	-
	0010	STAGE 1	3.C	-	3.B	878.04	877.90	1.00%	-	-	-	-	-	22	-	-	-	-	-	-	-	-
SEE NOTE 3	0010	STAGE 1	3.B	-	3.A	877.34	875.27	0.55%	-	-	-	-	-	-	379	-	-	1	-	-	-	-
	0010	STAGE 2	3.9	-	3.7	885.34	885.30	3.81%	5	-	-	-	-	-	-	-	-	-	-	-	-	20
	0010	STAGE 2	3.8	-	3.7	884.97	884.40	2.01%	33	-	-	-	-	-	-	-	-	-	-	-	-	132
	0010	STAGE 2	3.7	-	3.6	884.16	882.70	1.00%	-	-	152	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	3.6	-	3.2	882.25	880.07	1.51%	-	-	152	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	3.10	-	3.11	881.47	881.02	1.84%	28	-	-	-	-	-	-	-	-	-	-	-	-	112
	0010	STAGE 2	3.11	-	3.3	880.98	880.70	0.99%	33	-	-	-	-	-	-	-	-	-	-	-	-	132
	0010	STAGE 2	3.12	-	3.3	880.72	880.72	1.90%	-	5	-	-	-	-	-	-	-	-	-	-	-	20
	0010	STAGE 2	3.13	-	3.11	881.17	881.02	1.96%	11	-	-	-	-	-	-	-	-	-	-	-	-	44
	0010	STAGE 2	3.14	-	3.12	881.35	881.26	1.03%	11	-	-	-	-	-	-	-	-	-	-	-	-	44
	0010	STAGE 2	3.15	-	3.4	881.92	881.63	1.00%	33	-	-	-	-	-	-	-	-	-	-	-	-	132
	0010	STAGE 2	EXISTING 8-INCH PIPE	-	3.17	-	881.84	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 2	3.17	-	3.16	881.75	881.63	2.05%	-	10	-	-	-	-	-	-	-	-	-	-	-	40
	0010	STAGE 2	3.16	-	3.4	881.57	881.56	1.90%	-	5	-	-	-	-	-	-	-	-	-	-	-	20
	0010	STAGE 2	3.18	-	3.5	884.24	883.99	0.99%	29	-	-	-	-	-	-	-	-	-	-	-	-	116
	0010	STAGE 2	EXISTING 10-INCH PIPE	-	3.20	-	884.93	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 2	EXISTING 6-INCH PIPE	-	3.20	-	885.70	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 2	EXISTING 8-INCH PIPE	-	3.20	-	884.59	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 2	3.20	-	3.19	883.73	883.69	0.96%	-	7	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	3.19	-	3.5	883.55	883.54	1.90%	-	5	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	4.5	-	4.4	909.93	901.41	2.14%	-	-	403	-	-	-	-	-	-	-	-	-	-	1,612
	0010	STAGE 2	4.4	-	4.3	901.27	890.58	2.58%	-	-	421	-	-	-	-	-	-	-	-	-	-	1,684
	0010	STAGE 2	4.3	-	4.2	889.44	886.09	1.99%	-	-	-	176	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	4.2	-	4.1	885.42	885.33	1.65%	-	-	-	-	15	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	EXISTING 4-INCH PIPE	-	4.1	-	886.82	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 2	4.1	-	4.0	885.10	884.36	1.00%	-	-	-	-	-	-	-	-	84	-	-	-	-	-
	0010	STAGE 2	4.0	-	EXISTING 24-INCH PIPE	-	884.29	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	0010	STAGE 2	EXISTING 24-INCH PIPE	-	4.6	-	888.15	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	0010	STAGE 2	EXISTING 6-INCH PIPE	-	4.6	-	-	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 2	4.6	-	4.2	886.71	886.07	1.38%	-	-	-	54	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	4.7	-	4.3	891.15	891.11	3.81%	5	-	-	-	-	-	-	-	-	-	-	-	-	20
	0010	STAGE 2	4.10	-	4.9	890.96	890.79	1.03%	19	-	-	-	-	-	-	-	-	-	-	-	-	76
	0010	STAGE 2	4.9	-	4.8	890.25	890.03	0.99%	-	26	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	4.8	-	4.3	889.99	889.75	0.99%	-	29	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	4.11	-	4.4	901.72	901.71	1.90%	5	-	-	-	-	-	-	-	-	-	-	-	-	20
	0010	STAGE 2	4.12	-	4.4	901.73	901.48	0.99%	-	29	-	-	-	-	-	-	-	-	-	-	-	116
	0010	STAGE 1	4.13	-	4.5	910.72	910.71	1.90%	5	-	-	-	-	-	-	-	-	-	-	-	-	20

STORM SEWER PIPE SCHEDULE (CONTINUED)

PROJECT	CATEGORY	STAGE	PIPE LOCATION FROM		TO	INVERT INLET	INVERT DISCHARGE	SLOPE(%)	STORM SEWER PIPE REINFORCED CONCRETE 608.0412 CLASS IV 12-INCH LF	608.0418 CLASS IV 18-INCH LF	608.0424 CLASS IV 24-INCH LF	608.0430 CLASS IV 30-INCH LF	608.0436 CLASS IV 36-INCH LF	608.0442 CLASS IV 42-INCH LF	608.0448 CLASS IV 48-INCH LF	608.2338 HORIZONTAL ELLIPTICAL CLASS HE-III 38X60-INCH LF	608.2429 HORIZONTAL ELLIPTICAL CLASS HE-IV 29x45-INCH LF	522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48-INCH EACH	520.8000 CONCRETE COLLAR EACH	SPV.0060.01 RECONNECT EXISTING STORM SEWER LATERAL EACH	SPV.0060.02 STORM SEWER TAP EACH	* SPV.0165.04 INSULATION BOARD (4-INCH) SF
9560-02-74	0010	STAGE 1	4.16	-	4.15	911.81	911.50	0.99%	34	-	-	-	-	-	-	-	-	-	-	-	-	136
	0010	STAGE 1	4.15	-	4.14	910.96	910.73	0.99%	-	27	-	-	-	-	-	-	-	-	-	-	-	108
	0010	STAGE 1	4.14	-	4.5	910.59	910.35	0.99%	-	-	29	-	-	-	-	-	-	-	-	-	-	116
	0010	STAGE 1	5.1	-	5.0	917.90	911.66	3.37%	-	-	193	-	-	-	-	-	-	-	-	-	-	772
	0010	STAGE 1	5.0	-	EXISTING MANHOLE	911.27	911.04	1.00%	-	-	-	-	32	-	-	-	-	-	1	-	-	-
	0010	STAGE 1	EXISTING 24-INCH PIPE	-	5.4	≈ 913.37	-	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 1	5.4	-	5.0	911.79	911.37	1.01%	-	-	-	-	50	-	-	-	-	-	-	-	-	-
	0010	STAGE 1	5.2	-	5.1	918.17	918.16	1.90%	5	-	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 1	5.3	-	5.1	918.38	918.13	0.99%	29	-	-	-	-	-	-	-	-	-	-	-	-	116
	0010	STAGE 1	EXISTING 48-INCH PIPE	-	6.4	-	955.06	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	0010	STAGE 1	6.4	-	6.3	954.43	952.17	1.43%	-	-	-	-	-	-	-	168	-	-	-	-	-	-
	0010	STAGE 1	6.3	-	6.2	951.83	943.27	3.53%	-	-	-	-	-	-	-	252	-	-	-	-	-	-
	0010	STAGE 1	6.2	-	6.1	942.84	936.06	3.41%	-	-	-	-	-	-	-	208	-	-	-	-	-	-
	0010	STAGE 1	6.1	-	6.0	935.69	933.81	4.50%	-	-	-	-	-	-	-	51	-	-	-	-	-	-
	0010	STAGE 1	6.0	-	6.B	932.84	928.48	3.32%	-	-	-	-	-	-	141	-	-	-	-	-	-	-
	0010	STAGE 1	6.B	-	6.A	928.20	927.70	3.30%	-	-	-	-	-	-	24	-	-	-	-	-	-	-
	0010	STAGE 1	EXISTING 8-INCH PIPE	-	6.A	-	932.00	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 1	EXISTING 18-INCH PIPE	-	6.A	-	930.07	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 1	EXISTING 8-INCH PIPE	-	6.A	-	932.00	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 1	6.A	-	EXISTING 36-INCH PIPE	-	927.38	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	0010	STAGE 1	6.5	-	6.0	934.39	934.10	1.01%	35	-	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 1	6.6	-	6.1	937.97	937.95	1.93%	7	-	-	-	-	-	-	-	-	-	-	-	-	28
	0010	STAGE 1	6.7	-	6.1	937.99	937.76	0.99%	29	-	-	-	-	-	-	-	-	-	-	-	-	116
	0010	STAGE 1	6.8	-	6.2	945.28	945.26	1.93%	7	-	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 1	6.10	-	6.2	944.32	943.57	0.98%	-	-	-	84	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 1	EXISTING 15-INCH PIPE	-	6.9	-	946.08	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	0010	STAGE 1	6.9	-	6.10	944.81	944.64	1.75%	-	14	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 1	6.11	-	6.10	945.09	944.86	0.85%	31	-	-	-	-	-	-	-	-	-	-	-	-	124
	0010	STAGE 1	6.12	-	6.3	954.28	954.26	1.93%	7	-	-	-	-	-	-	-	-	-	-	-	-	28
	0010	STAGE 1	6.13	-	6.3	954.35	954.12	0.99%	29	-	-	-	-	-	-	-	-	-	-	-	-	116
								SUBTOTALS 9560-02-74:	**624**	**237**	**1,872**	**314**	**151**	**381**	**544**	**755**	**84**	**1**	**11**	**10**	**3**	**7,980**
9560-02-75	0010	STAGE 2	R.1A	-	R.1B	894.49	893.81	1.08%	-	68	-	-	-	-	-	-	-	-	-	-	1	272
	0010	STAGE 2	R.1B	-	EXISTING 18-INCH PVC	893.79	-	MATCH EXISTING	-	15	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 2	R.2A	-	R.2B	896.33	896.01	1.19%	30	-	-	-	-	-	-	-	-	-	-	-	-	120
	0010	STAGE 2	R.2B	-	EXISTING 12-INCH PIPE	895.80	-	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	0010	STAGE 2	EXISTING 6-INCH PIPE	-	R.3A	-	892.69	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	0010	STAGE 2	R.3A	-	R.3B	892.66	891.84	2.30%	38	-	-	-	-	-	-	-	-	-	-	-	-	152
	0010	STAGE 2	R.3B	-	EXISTING 6-INCH PIPE	891.19	-	MATCH EXISTING	5	-	-	-	-	-	-	-	-	-	1	-	-	-
	0010	STAGE 2	R.4A	-	R.4B	888.73	888.52	0.97%	24	-	-	-	-	-	-	-	-	-	2	-	-	96
	0010	STAGE 2	R.5A	-	R.5B	886.99	886.59	1.15%	-	38	-	-	-	-	-	-	-	-	-	-	-	152
	0010	STAGE 2	R.5B	-	EXISTING 12-INCH PIPE	885.37	-	MATCH EXISTING	-	5	-	-	-	-	-	-	-	-	1	-	-	-
	0010	STAGE 2	R.6A	-	R.6B	888.04	887.66	1.05%	38	-	-	-	-	-	-	-	-	-	-	-	2	152
	0010	STAGE 2	R.6B	-	EXISTING 12-INCH PIPE	887.03	-	MATCH EXISTING	5	-	-	-	-	-	-	-	-	-	1	1	-	-
	0010	STAGE 2	R.7A	-	R.7B	888.58	888.34	0.84%	31	-	-	-	-	-	-	-	-	-	-	-	-	124
	0010	STAGE 2	R.7B	-	R.7C	888.19	887.21	9.16%	15	-	-	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	R.7C	-	EXISTING 12-INCH PIPE	886.89	-	MATCH EXISTING	42	-	-	-	-	-	-	-	-	-	-	1	-	-
	0010	STAGE 2	R.7D	-	R.7C	888.90	887.33	14.13%	15	-	-	-	-	-	-	-	-	-	-	-	-	60
	0010	STAGE 2	EXISTING 24-INCH PIPE	-	R.8C	-	890.21	MATCH EXISTING	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	0010	STAGE 2	R.8C	-	R.8B	890.12	889.88	3.00%	-	-	15	-	-	-	-	-	-	-	-	-	-	60
	0010	STAGE 2	R.8B	-	R.8A	889.68	888.04	2.45%	-	-	73	-	-	-	-	-	-	-	-	-	-	-
	0010	STAGE 2	R.8D	-	R.8B	891.46	890.35	7.38%	20	-	-	-	-	-	-	-	-	-	-	-	-	80
	0010	STAGE 2	R.8E	-	R.8B	890.84	890.19	2.74%	29	-	-	-	-	-	-	-	-	-	-	-	-	116
								SUBTOTALS 9560-02-75:	**292**	**126**	**88**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**8**	**3**	**3**	**1,384**
								TOTALS:	**916**	**363**	**1,960**	**314**	**151**	**381**	**544**	**755**	**84**	**1**	**19**	**13**	**6**	**9,364**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

NOTES: 1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURE OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL. 2) PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES. 3) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL REINFORCED CONCRETE APRON ENDWALL LOCATIONS. APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THESE TIES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE REINFORCED CONCRETE STORM SEWER PIPE.

STORM SEWER STUCTURE SCHEDULE

PROJECT	CATEGORY	STAGE	STRUCTURE NO.	(1) STATION	LOCATION	(1) OFFSET TO CENTER OF STRUCTURE	611.0530 MANHOLE COVERS TYPE J EACH	611.0545 MANHOLE COVERS TYPE L EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	SPV.0060.03 DRIVEWAY INLET COVER EACH
9560-02-74	0010	STAGE 2	1.0	164+22.17	USH 141	18.00' RT	1	-	-	-	-
	0010	STAGE 2	1.1	9+65.00 P	PINE STREET	13.75' RT	-	-	-	1	-
	0010	STAGE 2	1.2	9+65.00 P	PINE STREET	13.75' LT	-	-	-	1	-
	0010	STAGE 2	1.3	165+65.00	USH 141	17.25' RT	-	-	-	1	-
	0010	STAGE 2	2.0	169+45.17	USH 141	35.13' RT	1	-	-	-	-
	0010	STAGE 2	2.1	169+42.00	USH 141	14.50' LT	1	-	-	-	-
	0010	STAGE 2	2.2	169+42.00	USH 141	40.88' LT	-	-	1	-	-
	0010	STAGE 2	2.3	169+50.00	USH 141	17.86' LT	-	-	-	1	-
	0010	STAGE 2	2.4	169+60.00	USH 141	29.00' RT	1	-	-	-	-
	0010	STAGE 2	2.5	169+60.00	USH 141	17.25' RT	-	-	-	1	-
	0010	STAGE 2	2.6	169+75.00	USH 141	17.25' RT	-	-	-	1	-
	0010	STAGE 2	3.A	172+28.03	USH 141	580.18' RT	-	-	-	-	-
	0010	STAGE 2	3.B	176+61.40	USH 141	350.59' RT	-	-	-	1	-
	0010	STAGE 2	3.C	176+82.36	USH 141	344.49' RT	1	-	-	-	-
	0010	STAGE 2	3.0	10+40.00 C	CLARK STREET	11.25' RT	-	-	-	1	-
	0010	STAGE 2	3.1	176+44.43	USH 141	21.77' RT	-	-	-	1	-
	0010	STAGE 2	3.2	176+40.50	USH 141	12.00' LT	-	1	-	-	-
	0010	STAGE 2	3.3	176+94.29	USH 141	12.00' LT	-	1	-	-	-
	0010	STAGE 2	3.4	179+75.00	USH 141	12.00' LT	-	1	-	-	-
	0010	STAGE 2	3.5	182+17.00	USH 141	12.00' LT	1	-	-	-	-
	0010	STAGE 2	3.6	174+90.00	USH 141	12.00' LT	-	1	-	-	-
	0010	STAGE 2	3.7	173+40.00	USH 141	12.00' LT	1	-	-	-	-
	0010	STAGE 2	3.8	173+25.00	USH 141	17.25' RT	-	-	-	1	-
	0010	STAGE 2	3.9	173+40.00	USH 141	17.25' LT	-	-	-	1	-
	0010	STAGE 2	3.10	10+40.00 C	CLARK STREET	12.25' LT	-	-	-	1	-
	0010	STAGE 2	3.11	176+94.29	USH 141	21.25' RT	-	-	-	1	-
	0010	STAGE 2	3.12	176+94.29	USH 141	17.25' LT	-	-	-	1	-
	0010	STAGE 2	3.13	177+05.00	USH 141	21.25' RT	-	-	-	1	-
	0010	STAGE 2	3.14	177+05.00	USH 141	17.25' LT	-	-	-	1	-
	0010	STAGE 2	3.15	179+75.00	USH 141	21.25' RT	-	-	-	1	-
	0010	STAGE 2	3.16	179+75.00 H	USH 141	17.25' LT	-	-	-	1	-
	0010	STAGE 2	3.17	179+75.00 H	USH 141	27.00' LT	1	-	-	-	-
	0010	STAGE 2	3.18	182+17.00	USH 141	17.25' RT	-	-	-	1	-
	0010	STAGE 2	3.19	182+17.00	USH 141	17.25' LT	-	-	-	1	-
	0010	STAGE 2	3.20	182+17.34	USH 141	24.55' LT	1	-	-	-	-
	0010	STAGE 2	4.0	10+79.06 M	MAIN STREET	20.25' LT	-	-	-	1	-
	0010	STAGE 2	4.1	184+40.00	USH 141	17.25' RT	-	-	-	1	-
	0010	STAGE 2	4.2	184+54.11	USH 141	12' RT	1	-	-	-	-
	0010	STAGE 2	4.3	186+29.00	USH 141	12' RT	-	1	-	-	-
	0010	STAGE 2	4.4	190+50.00	USH 141	12' RT	-	1	-	-	-
	0010	STAGE 1	4.5	194+55.00	USH 141	12' RT	-	1	-	-	-
	0010	STAGE 2	4.6	184+93.22	USH 141	25.85' LT	-	1	-	-	-
	0010	STAGE 2	4.7	186+29.00	USH 141	17.25' RT	-	-	-	1	-
	0010	STAGE 2	4.8	186+29.00	USH 141	17.30' LT	-	-	-	1	-
	0010	STAGE 2	4.9	9+60.00 S	SCHOOL STREET	9.75' LT	-	-	-	1	-
	0010	STAGE 2	4.10	9+60.00 S	SCHOOL STREET	9.75' RT	-	-	-	1	-
	0010	STAGE 2	4.11	190+50.00	USH 141	17.25' RT	-	-	-	1	-
	0010	STAGE 2	4.12	190+50.00	USH 141	17.25' LT	-	-	-	1	-
	0010	STAGE 1	4.13	194+55.00	USH 141	17.25' RT	-	-	-	1	-
	0010	STAGE 1	4.14	194+55.00	USH 141	17.25' LT	-	-	-	1	-
	0010	STAGE 1	4.15	9+60.00 H	HILL STREET	17.25' LT	-	-	-	1	-
	0010	STAGE 1	4.16	9+60.00 H	HILL STREET	17.25' RT	-	-	-	1	-
	0010	STAGE 1	5.0	196+06.88	USH 141	12' RT	-	1	-	-	-
	0010	STAGE 1	5.1	198+00.00	USH 141	12' RT	-	1	-	-	-
	0010	STAGE 1	5.2	198+00.00	USH 141	17.25' RT	-	-	-	1	-
	0010	STAGE 1	5.3	198+00.00	USH 141	17.25' LT	-	-	-	1	-
	0010	STAGE 1	5.4	196+32.06	USH 141	30.85' LT	-	1	-	-	-
	0010	STAGE 1	6.A	11+88.42 TY	TYLER ROAD	12.36' RT	-	-	1	-	-
	0010	STAGE 1	6.B	11+64.36 TY	TYLER ROAD	13.68' RT	-	-	-	1	-
	0010	STAGE 1	6.0	10+24.47 TY	TYLER ROAD	8.42' RT	-	1	-	-	-

3

STORM SEWER STUCTURE SCHEDULE (CONTINUED)

PROJECT	CATEGORY	STAGE	STRUCTURE NO.	(1) STATION	LOCATION	(1) OFFSET TO CENTER OF STRUCTURE	611.0530 MANHOLE COVERS TYPE J EACH	611.0545 MANHOLE COVERS TYPE L EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	SPV.0060.03 DRIVEWAY INLET COVER EACH
9560-02-74	0010	STAGE 1	6.1	202+67.00	USH 141	12' RT	-	1	-	-	-
	0010	STAGE 1	6.2	204+75.00	USH 141	12' RT	1	-	-	-	-
	0010	STAGE 1	6.3	207+25.00	USH 141	12' RT	1	-	-	-	-
	0010	STAGE 1	6.4	208+93.75	USH 141	11.10' LT	-	1	-	-	-
	0010	STAGE 1	6.5	201+80.00	USH 141	17.25' RT	-	-	-	1	-
	0010	STAGE 1	6.6	202+67.00	USH 141	19.25' RT	-	-	-	1	-
	0010	STAGE 1	6.7	202+67.00	USH 141	17.25' LT	-	-	-	1	-
	0010	STAGE 1	6.8	204+75.00	USH 141	19.25' RT	-	-	-	1	-
	0010	STAGE 1	6.9	9+00.00 V	VINE STREET	18.80' LT	1	-	-	-	-
	0010	STAGE 1	6.10	9+16.02 V	VINE STREET	13.25' LT	-	-	-	1	-
	0010	STAGE 1	6.11	9+33.15 V	VINE STREET	13.25' RT	-	-	-	-	1
	0010	STAGE 1	6.12	207+25.00	USH 141	19.25' RT	-	-	-	1	-
	0010	STAGE 1	6.13	207+25.00	USH 141	17.25' LT	-	-	-	1	-
						SUBTOTALS 9560-02-74:	**13**	**14**	**2**	**42**	**1**
9560-02-75	0010	STAGE 2	R.1B	128+16.87	GOODREAU ST	21.14' RT	-	-	-	1	-
	0010	STAGE 2	R.2A	137+89.43	LEDGE ST	32.23' LT	-	-	-	1	-
	0010	STAGE 2	R.2B	138+19.77	LEDGE ST	32.56' LT	-	-	-	1	-
	0010	STAGE 2	R.3A	141+90.68	USH 141	18.75' LT	-	-	-	1	-
	0010	STAGE 2	R.3B	141+91.51	USH 141	19.47' RT	-	-	-	1	-
	0010	STAGE 2	R.5A	146+39.89	USH 141	17.82' LT	-	-	-	1	-
	0010	STAGE 2	R.5B	146+40.01	USH 141	19.29' RT	-	-	-	1	-
	0010	STAGE 2	R.7A	151+31.28	MAPLE ST	33.09' LT	-	-	-	1	-
	0010	STAGE 2	R.7B	151+62.06	MAPLE ST	30.61' LT	-	-	-	1	-
	0010	STAGE 2	R.7C	151+67.99	USH 141	17.34' LT	1	-	-	-	-
	0010	STAGE 2	R.7D	151+82.86	USH 141	18.70' LT	-	-	-	1	-
	0010	STAGE 2	R.8A	156+72.10	USH 141	17.23' RT	-	-	-	1	-
	0010	STAGE 2	R.8B	157+29.34	USH 141	28.04' LT	-	1	-	-	-
	0010	STAGE 2	R.8C	157+37.27	HEMLOCK ST	40.39' LT	-	-	-	1	-
	0010	STAGE 2	R.8D	157+12.36	HEMLOCK ST	38.49' LT	-	-	-	1	-
	0010	STAGE 2	R.8E	157+56.31	USH 141	17.89' LT	-	-	-	1	-
						SUBTOTALS 9560-02-75:	**1**	**1**	**-**	**14**	**-**
						TOTALS:	**14**	**15**	**2**	**56**	**1**

NOTES: 1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURE OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.

STORM SEWER STUCTURE SCHEDULE

PROJECT	CATEGORY	STAGE	STRUCTURE NO.	(1) STATION	LOCATION	(1) OFFSET TO CENTER OF STRUCTURE	CASTING HEIGHT INCHES	ADJUSTING RINGS HEIGHT INCHES	RIM ELEVATION	(2) TOP OF STRUCTURE ELEVATION	BOTTOM OF STRUCTURE ELEVATION	(3) DEPTH OF STRUCTURE FT	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS TYPE 2X3-FT EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
9560-02-74	0010	STAGE 2	1.0	164+22.17	USH 141	18.00' RT	8.875	3.00	903.46	902.47	897.63	4.84	1	-	-	-	-	-	-	1
	0010	STAGE 2	1.1	9+65.00 P	PINE STREET	13.75' RT	6.375	6.00	905.84	904.81	900.16	4.65	-	-	-	-	-	1	-	1
	0010	STAGE 2	1.2	9+65.00 P	PINE STREET	13.75' LT	6.375	6.00	906.06	905.03	901.27	3.76	-	-	-	-	-	-	1	1
	0010	STAGE 2	1.3	165+65.00	USH 141	17.25' RT	6.375	3.00	903.13	902.35	900.32	2.03	-	-	-	-	-	-	1	1
	0010	STAGE 2	2.0	169+45.17	USH 141	35.13' RT	8.875	6.00	897.39	896.15	890.12	6.03	-	-	-	-	1	-	-	1
	0010	STAGE 2	2.1	169+42.00	USH 141	14.50' LT	8.875	3.00	897.23	896.24	890.58	5.66	-	-	-	-	1	-	-	1
	0010	STAGE 2	2.2	169+42.00	USH 141	40.88' LT	8.875	6.00	897.74	896.50	891.13	5.37	-	-	-	-	1	-	-	1
	0010	STAGE 2	2.3	169+50.00	USH 141	17.86' LT	6.375	6.00	897.02	895.99	892.75	3.24	-	-	-	-	-	-	1	1
	0010	STAGE 2	2.4	169+60.00	USH 141	29.00' RT	8.875	6.00	896.61	895.37	891.54	3.83	1	-	-	-	-	-	-	1
	0010	STAGE 2	2.5	169+60.00	USH 141	17.25' RT	6.375	6.00	895.82	894.79	891.79	3.00	-	-	-	-	-	-	1	1
	0010	STAGE 2	2.6	169+75.00	USH 141	17.25' RT	6.375	6.00	895.44	894.41	892.09	2.32	-	-	-	-	-	-	1	1
	0010	STAGE 2	3.A	172+28.03	USH 141	580.18' RT	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	0010	STAGE 2	3.B	176+61.40	USH 141	350.59' RT	6.375	6.00	887.77	886.74	876.92	9.82	-	-	-	1	-	-	-	1
	0010	STAGE 2	3.C	176+82.36	USH 141	344.49' RT	8.875	6.00	887.75	886.51	877.66	8.85	-	-	-	1	-	-	-	1
	0010	STAGE 2	3.0	10+40.00 C	CLARK STREET	11.25' RT	6.375	3.00	884.81	884.03	878.61	5.42	-	-	-	-	1	-	-	1
	0010	STAGE 2	3.1	176+44.43	USH 141	21.77' RT	6.375	0.00	884.42	883.89	878.73	5.16	-	-	1	-	-	-	-	1
	0010	STAGE 2	3.2	176+40.50	USH 141	12.00' LT	4.000	3.00	884.82	884.24	878.94	5.30	-	-	-	-	1	-	-	1
	0010	STAGE 2	3.3	176+94.29	USH 141	12.00' LT	4.000	3.00	884.41	883.83	879.38	4.45	-	-	1	-	-	-	-	1
	0010	STAGE 2	3.4	179+75.00	USH 141	12.00' LT	4.000	3.00	885.26	884.68	881.23	3.45	-	1	-	-	-	-	-	1
	0010	STAGE 2	3.5	182+17.00	USH 141	12.00' LT	8.875	3.00	887.65	886.66	882.68	3.98	-	1	-	-	-	-	-	1
	0010	STAGE 2	3.6	174+90.00	USH 141	12.00' LT	4.000	3.00	886.85	886.27	882.00	4.27	-	1	-	-	-	-	-	1
	0010	STAGE 2	3.7	173+40.00	USH 141	12.00' LT	8.875	6.00	888.83	887.59	883.91	3.68	-	1	-	-	-	-	-	1
	0010	STAGE 2	3.8	173+25.00	USH 141	17.25' RT	6.375	6.00	888.15	887.12	884.80	2.32	-	-	-	-	-	-	1	1
	0010	STAGE 2	3.9	173+40.00	USH 141	17.25' LT	6.375	6.00	888.90	887.87	885.17	2.70	-	-	-	-	-	-	1	1
	0010	STAGE 2	3.10	10+40.00 C	CLARK STREET	12.25' LT	6.375	6.00	884.87	883.84	881.30	2.54	-	-	-	-	-	-	1	1
	0010	STAGE 2	3.11	176+94.29	USH 141	21.25' RT	6.375	6.00	884.31	883.28	880.81	2.47	-	-	-	-	-	-	1	1
	0010	STAGE 2	3.12	176+94.29	USH 141	17.25' LT	6.375	6.00	884.29	883.26	880.51	2.75	-	-	-	-	-	-	1	1
	0010	STAGE 2	3.13	177+05.00	USH 141	21.25' RT	6.375	6.00	884.35	883.32	881.00	2.32	-	-	-	-	-	-	1	1
	0010	STAGE 2	3.14	177+05.00	USH 141	17.25' LT	6.375	6.00	884.24	883.21	881.18	2.03	-	-	-	-	-	-	1	1
	0010	STAGE 2	3.15	179+75.00	USH 141	21.25' RT	6.375	6.00	885.06	884.03	881.75	2.28	-	-	-	-	-	-	1	1
	0010	STAGE 2	3.16	179+75.00 H	USH 141	17.25' LT	6.375	6.00	885.13	884.10	881.36	2.74	-	-	-	-	-	-	1	1
	0010	STAGE 2	3.17	179+75.00 H	USH 141	27.00' LT	8.875	6.00	885.94	884.70	881.54	3.16	1	-	-	-	-	-	-	1
	0010	STAGE 2	3.18	182+17.00	USH 141	17.25' RT	6.375	6.00	887.52	886.49	884.07	2.42	-	-	-	-	-	-	1	1
	0010	STAGE 2	3.19	182+17.00	USH 141	17.25' LT	6.375	6.00	887.52	886.49	883.34	3.15	-	-	-	-	-	-	1	1
	0010	STAGE 2	3.20	182+17.34	USH 141	24.55' LT	8.875	3.00	888.24	887.25	883.52	3.73	1	-	-	-	-	-	-	1
	0010	STAGE 2	4.0	10+79.06 M	MAIN STREET	20.25' LT	6.375	0.00	888.65	888.12	884.04	4.08	-	-	-	-	1	-	-	1
	0010	STAGE 2	4.1	184+40.00	USH 141	17.25' RT	6.375	6.00	890.95	889.92	884.72	5.20	-	-	-	-	1	-	-	1
	0010	STAGE 2	4.2	184+54.11	USH 141	12' RT	8.875	3.00	891.29	890.30	885.08	5.22	-	-	-	-	1	-	-	1
	0010	STAGE 2	4.3	186+29.00	USH 141	12' RT	4.000	3.00	894.47	893.89	889.14	4.75	-	1	-	-	-	-	-	1
	0010	STAGE 2	4.4	190+50.00	USH 141	12' RT	4.000	0.00	904.90	904.57	901.02	3.55	-	1	-	-	-	-	-	1
	0010	STAGE 1	4.5	194+55.00	USH 141	12' RT	4.000	3.00	913.99	913.41	909.68	3.73	-	1	-	-	-	-	-	1
	0010	STAGE 2	4.6	184+93.22	USH 141	25.85' LT	4.000	3.00	892.37	891.79	886.41	5.38	-	1	-	-	-	-	-	1
	0010	STAGE 2	4.7	186+29.00	USH 141	17.25' RT	6.375	6.00	894.34	893.31	890.98	2.33	-	-	-	-	-	-	1	1
	0010	STAGE 2	4.8	186+29.00	USH 141	17.30' LT	6.375	6.00	894.34	893.31	889.78	3.53	-	-	-	-	-	1	-	1
	0010	STAGE 2	4.9	9+60.00 S	SCHOOL STREET	9.75' LT	6.375	6.00	894.44	893.41	890.04	3.37	-	-	-	-	-	1	-	1
	0010	STAGE 2	4.10	9+60.00 S	SCHOOL STREET	9.75' RT	6.375	6.00	894.03	893.00	890.79	2.21	-	-	-	-	-	-	1	1
	0010	STAGE 2	4.11	190+50.00	USH 141	17.25' RT	6.375	6.00	904.77	903.74	901.55	2.19	-	-	-	-	-	-	1	1
	0010	STAGE 2	4.12	190+50.00	USH 141	17.25' LT	6.375	3.00	904.61	903.83	901.52	2.31	-	-	-	-	-	-	1	1
	0010	STAGE 1	4.13	194+55.00	USH 141	17.25' RT	6.375	6.00	913.86	912.83	910.55	2.28	-	-	-	-	-	-	1	1
	0010	STAGE 1	4.14	194+55.00	USH 141	17.25' LT	6.375	3.00	914.50	913.72	910.34	3.38	-	-	-	-	-	1	-	1
	0010	STAGE 1	4.15	9+60.00 H	HILL STREET	17.25' LT	6.375	6.00	915.36	914.33	910.75	3.58	-	-	-	-	-	1	-	1
	0010	STAGE 1	4.16	9+60.00 H	HILL STREET	17.25' RT	6.375	6.00	914.86	913.83	911.64	2.19	-	-	-	-	-	-	1	1
	0010	STAGE 1	5.0	196+06.88	USH 141	12' RT	4.000	3.00	916.23	915.65	910.93	4.72	-	-	-	-	1	-	-	1
	0010	STAGE 1	5.1	198+00.00	USH 141	12' RT	4.000	3.00	922.21	921.63	917.65	3.98	-	1	-	-	-	-	-	1
	0010	STAGE 1	5.2	198+00.00	USH 141	17.25' RT	6.375	6.00	922.08	921.05	918.00	3.05	-	-	-	-	-	-	1	1
	0010	STAGE 1	5.3	198+00.00	USH 141	17.25' LT	6.375	6.00	922.08	921.05	918.21	2.84	-	-	-	-	-	-	1	1
	0010	STAGE 1	5.4	196+32.06	USH 141	30.85' LT	4.000	3.00	917.58	917.00	911.45	5.55	-	1	-	-	-	-	-	1
	0010	STAGE 1	6.A	11+88.42 TY	TYLER ROAD	12.36' RT	8.875	6.00	935.17	933.93	927.04	6.89	-	-	-	-	1	-	-	1
	0010	STAGE 1	6.B	11+64.36 TY	TYLER ROAD	13.68' RT	6.375	6.00	935.25	934.22	927.78	6.44	-	-	-	1	-	-	-	1
	0010	STAGE 1	6.0	10+24.47 TY	TYLER ROAD	8.42' RT	4.000	3.00	938.78	938.20	932.42	5.78	-	-	-	-	1	-	-	1

STORM SEWER STUCTURE SCHEDULE (CONTINUED)

PROJECT	CATEGORY	STAGE	STRUCTURE NO.	(1) STATION	LOCATION	(1) OFFSET TO CENTER OF STRUCTURE	CASTING HEIGHT INCHES	ADJUSTING RINGS HEIGHT INCHES	RIM ELEVATION	(2) TOP OF STRUCTURE ELEVATION	BOTTOM OF STRUCTURE ELEVATION	(3) DEPTH OF STRUCTURE FT	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS TYPE 2X3-FT EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
9560-02-74	0010	STAGE 1	6.1	202+67.00	USH 141	12' RT	4.000	3.00	941.22	940.64	935.23	5.41	-	-	-	-	1	-	-	1
	0010	STAGE 1	6.2	204+75.00	USH 141	12' RT	8.875	6.00	949.89	948.65	942.38	6.27	-	-	-	-	1	-	-	1
	0010	STAGE 1	6.3	207+25.00	USH 141	12' RT	8.875	3.00	958.03	957.04	951.37	5.67	-	-	-	-	1	-	-	1
	0010	STAGE 1	6.4	208+93.75	USH 141	11.10' LT	4.000	3.00	960.90	960.32	953.97	6.35	-	-	-	-	1	-	-	1
	0010	STAGE 1	6.5	201+80.00	USH 141	17.25' RT	6.375	6.00	937.47	936.44	934.22	2.22	-	-	-	-	-	-	1	1
	0010	STAGE 1	6.6	202+67.00	USH 141	19.25' RT	6.375	6.00	941.05	940.02	937.80	2.22	-	-	-	-	-	-	1	1
	0010	STAGE 1	6.7	202+67.00	USH 141	17.25' LT	6.375	6.00	941.43	940.40	937.82	2.58	-	-	-	-	-	-	1	1
	0010	STAGE 1	6.8	204+75.00	USH 141	19.25' RT	6.375	6.00	949.72	948.69	945.11	3.58	-	-	-	-	-	-	1	1
	0010	STAGE 1	6.9	9+00.00 V	VINE STREET	18.80' LT	8.875	3.00	949.50	948.51	944.61	3.90	1	-	-	-	-	-	-	1
	0010	STAGE 1	6.10	9+16.02 V	VINE STREET	13.25' LT	6.375	3.00	948.69	947.91	944.02	3.89	-	1	-	-	-	-	-	1
	0010	STAGE 1	6.11	9+33.15 V	VINE STREET	13.25' RT	6.375	6.00	948.13	947.10	944.92	2.18	-	-	-	-	-	-	1	1
	0010	STAGE 1	6.12	207+25.00	USH 141	19.25' RT	6.375	6.00	958.10	957.07	954.11	2.96	-	-	-	-	-	-	1	1
	0010	STAGE 1	6.13	207+25.00	USH 141	17.25' LT	6.375	6.00	957.42	956.39	954.18	2.21	-	-	-	-	-	-	1	1
											SUBTOTALS 9560-02-74:		**5**	**11**	**2**	**3**	**15**	**5**	**31**	**73**
9560-02-75	0010	STAGE 2	R.1B	128+16.87	GOODREAU ST	21.14' RT	6.375	6.00	897.38	896.35	893.58	2.77	-	-	-	-	-	-	1	1
	0010	STAGE 2	R.2A	137+89.43	LEDGE ST	32.23' LT	6.375	3.00	898.38	897.60	896.16	1.44	-	-	-	-	-	-	1	1
	0010	STAGE 2	R.2B	138+19.77	LEDGE ST	32.56' LT	6.375	3.00	898.57	897.79	895.63	2.16	-	-	-	-	-	-	1	1
	0010	STAGE 2	R.3A	141+90.68	USH 141	18.75' LT	6.375	6.00	895.35	894.32	892.49	1.83	-	-	-	-	-	-	1	1
	0010	STAGE 2	R.3B	141+91.51	USH 141	19.47' RT	6.375	6.00	895.32	894.29	891.02	3.27	-	-	-	-	-	-	1	1
	0010	STAGE 2	R.5A	146+39.89	USH 141	17.82' LT	6.375	3.00	890.12	889.34	886.78	2.56	-	-	-	-	-	-	1	1
	0010	STAGE 2	R.5B	146+40.01	USH 141	19.29' RT	6.375	6.00	890.72	889.69	885.16	4.53	-	-	-	-	-	-	1	1
	0010	STAGE 2	R.7A	151+31.28	MAPLE ST	33.09' LT	6.375	6.00	891.72	890.69	888.41	2.28	-	-	-	-	-	-	1	1
	0010	STAGE 2	R.7B	151+62.06	MAPLE ST	30.61' LT	6.375	6.00	891.80	890.77	888.02	2.75	-	-	-	-	-	-	1	1
	0010	STAGE 2	R.7C	151+67.99	USH 141	17.34' LT	8.875	6.00	891.81	890.57	886.72	3.85	1	-	-	-	-	-	-	1
	0010	STAGE 2	R.7D	151+82.86	USH 141	18.70' LT	6.375	6.00	891.52	890.49	888.73	1.76	-	-	-	-	-	-	1	1
	0010	STAGE 2	R.8A	156+72.10	USH 141	17.23' RT	6.375	6.00	893.46	892.43	887.73	4.70	-	-	-	-	-	1	-	1
	0010	STAGE 2	R.8B	157+29.34	USH 141	28.04' LT	4.000	3.00	893.88	893.30	889.43	3.87	-	1	-	-	-	-	-	1
	0010	STAGE 2	R.8C	157+37.27	HEMLOCK ST	40.39' LT	6.375	0.00	893.62	893.09	889.87	3.22	-	1	-	-	-	-	-	1
	0010	STAGE 2	R.8D	157+12.36	HEMLOCK ST	38.49' LT	6.375	3.00	893.64	892.86	891.29	1.57	-	-	-	-	-	-	1	1
	0010	STAGE 2	R.8E	157+56.31	USH 141	17.89' LT	6.375	6.00	893.72	892.69	890.67	2.02	-	-	-	-	-	-	1	1
											SUBTOTALS 9560-02-75:		**1**	**2**	**-**	**-**	**-**	**1**	**12**	**16**
											TOTALS:		**6**	**13**	**2**	**3**	**15**	**6**	**43**	**89**

NOTES: 1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURE OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
2) TOP OF STRUCTURE ELEVATION = RIM ELEVATION - CASTING HEIGHT - ADJUSTING RINGS HEIGHT. ELEVATION - BOTTOM OF STRUCTURE ELEVATION.
3) DEPTH OF STRUCTURE = TOP OF STRUCTURE ELEVATION - BOTTOM OF STRUCTURE ELEVATION.

ADJUSTING MANHOLES AND INLETS

PROJECT	CATEGORY	STAGE	STATION	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH
9560-02-75	0010	STAGE 2	131+86	USH 141, LT	-	1
	0010	STAGE 2	131+86	USH 141, RT	-	1
	0010	STAGE 2	144+68	USH 141, LT	-	1
	0010	STAGE 2	144+90	USH 141, LT	-	1
	0010	STAGE 2	144+96	USH 141, LT	1	1
	0010	STAGE 2	145+23	USH 141, LT	-	1
	0010	STAGE 2	149+87	USH 141, LT	-	1
	0010	STAGE 2	149+87	USH 141, RT	-	1
				SUBTOTALS 9560-02-75:	**1**	**8**
				TOTALS:	**1**	**8**

618.0100
MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	LOCATION	EACH
0010	PROJECT 9560-02-74	1
0010	PROJECT 9560-02-75	1
	TOTAL:	**2**

619.1000
MOBILIZATION

CATEGORY	LOCATION	EACH
0010	PROJECT 9560-02-74	0.6
0010	PROJECT 9560-02-75	0.4
	TOTAL:	**1**

COVER PLATES TEMPORARY

PROJECT	CATEGORY	STATION	TO	STATION	ROADWAY	611.8120.S COVER PLATES TEMPORARY EACH
9560-02-75	0020	119+50	-	164+00	USH 141	18
					SUBTOTAL 9560-02-75:	**18**
					TOTAL:	**18**

EROSION CONTROL ITEMS

PROJECT	CATEGORY	STAGE	STA	TO	STA	O/S	ROADWAY	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.7560 TRACKING PADS EACH	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.2037 EROSION MAT CLASS III TYPE C SY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY	628.6005 TURBIDITY BARRIERS SY
9560-02-74	0010	STAGE 1	193+58	-	194+06	LT.	USH 141 (STA 193+50 TO HILL STREET)	-	-	-	73	-	-	-	-
	0010	STAGE 1	194+42	-	204+47	LT.	USH 141 (HILL STREET TO VINE STREET)	-	-	-	1,284	-	-	-	-
	0010	STAGE 1	204+76	-	209+76	LT.	USH 141 (VINE STREET TO END PROJECT)	-	-	-	526	-	-	-	-
	0010	STAGE 1	196+52	-	202+06	RT.	USH 141 (STA 193+50 TO TYLER ROAD)	-	-	-	644	-	-	-	-
	0010	STAGE 1	202+45	-	209+79.35	RT.	USH 141 (TYLER ROAD TO END PROJECT)	-	-	1	672	207	-	-	-
	0010	STAGE 1	9+50 HI	-	9+65 HI	LT.	HILL STREET	-	-	-	4	-	-	-	-
	0010	STAGE 1	10+31 TY	-	10+75 TY	RT.	TYLER ROAD	-	-	-	26	-	-	-	-
	0010	STAGE 1	8+50 V	-	9+69 V	LT.	VINE STREET	-	-	-	95	-	-	-	-
	0010	STAGE 1	9+10 V	-	9+69 V	RT.	VINE STREET	-	-	-	91	-	-	-	-
	0010	STAGE 2	164+00	-	164+17	LT.	USH 141 (STA. 164+00 TO PINE STREET)	-	-	1	6	-	-	-	-
	0010	STAGE 2	164+72	-	169+53	LT.	USH 141 (PINE STREET TO BROOK STREET)	-	-	-	841	-	-	-	-
	0010	STAGE 2	169+97	-	185+95	LT.	USH 141 (BROOK STREET TO SCHOOL STREET)	-	-	-	2,044	-	-	-	-
	0010	STAGE 2	186+18	-	193+50	LT.	USH 141 (SCHOOL STREET TO STA 193+50)	-	-	-	1,326	-	-	-	-
	0010	STAGE 2	164+00	-	164+21	RT.	USH 141 (STA. 164+00 TO PINE STREET)	-	-	-	11	-	-	-	-
	0010	STAGE 2	166+56	-	176+46	RT.	USH 141 (PINE STREET TO CLARK STREET)	-	-	-	1,025	-	-	-	-
	0010	STAGE 2	176+76	-	183+36	RT.	USH 141 (CLARK STREET TO MAIN STREET)	-	-	-	983	-	-	-	-
	0010	STAGE 2	184+03	-	184+20	RT.	USH 141 (MAIN STREET TO STA 193+50)	-	-	-	195	-	-	-	-
	0010	STAGE 2	10+20 P	-	10+60	LT.	PINE STREET	-	-	-	45	-	-	-	-
	0010	STAGE 2	9+50 P	-	10+60	RT.	PINE STREET	-	-	-	56	-	-	-	-
	0010	STAGE 2	-	-	-	-	CLARK STREET & EW AT MENOMINEE R. (CLARK ST. PIPE OUTFALL)	64	64	-	47	-	20	40	47
	0010	STAGE 2	10+39 M	-	11+25 M	LT.	MAIN STREET	-	-	-	95	-	-	-	-
	0010	STAGE 2	10+39 M	-	11+25 M	RT.	MAIN STREET	-	-	-	27	-	-	-	-
							SUBTOTALS 9560-02-74:	**64**	**64**	**2**	**10,089**	**207**	**20**	**40**	**47**
9560-02-75	0010	STAGE 2	119+50	-	164+00	LT.	BEGINNING OF PROJECT TO STA 164+00	-	-	-	485	-	-	-	-
	0010	STAGE 2	119+50	-	164+00	RT.	BEGINNING OF PROJECT TO STA 164+00	-	-	-	300	-	-	-	-
	0010	STAGE 2	10+29 T	-	10+39 T	LT.	TUTAS STREET	-	-	-	7	-	-	-	-
	0010	STAGE 2	9+57 G	-	9+75	LT.	GOODREAU STREET	-	-	-	7	-	-	-	-
	0010	STAGE 2	10+29 CA	-	10+39 CA	LT.	CARDIN STREET	-	-	-	4	-	-	-	-
	0010	STAGE 2	9+60 L	-	9+71 L	LT.	LEDGE STREET	-	-	-	10	-	-	-	-
	0010	STAGE 2	9+61 L	-	9+71 L	RT.	LEDGE STREET	-	-	-	8	-	-	-	-
	0010	STAGE 2	9+64 BI	-	9+79 BI	LT.	BIRCH STREET	-	-	-	9	-	-	-	-
	0010	STAGE 2	9+48 BI	-	9+65 BI	RT.	BIRCH STREET	-	-	-	12	-	-	-	-
	0010	STAGE 2	9+67 MA	-	9+77 MA	LT.	MAPLE STREET	-	-	-	8	-	-	-	-
	0010	STAGE 2	9+48 MA	-	9+65 MA	RT.	MAPLE STREET	-	-	-	11	-	-	-	-
	0010	STAGE 2	9+56 H	-	9+66 H	RT.	HEMLOCK STREET	-	-	-	9	-	-	-	-
							SUBTOTALS 9560-02-75:	-	-	-	**871**	-	-	-	-
							TOTALS:	**64**	**64**	**2**	**10,960**	**207**	**20**	**40**	**47**

DUST CONTROL AND WATER

CATEGORY	LOCATION	USE	623.0200 DUST CONTROL SURFACE TREATMENT SY	624.0100 WATER MGAL
0010	PROJECT 9560-02-74	DUST CONTROL	17,118	9
0010	PROJECT 9560-02-74	BASE AND SUBGRADE PLACEMENT	-	161
		TOTALS:	**17,118**	**170**

MOBILIZATION FOR EROSION CONTROL

PROJECT	CATEGORY	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
9560-02-74	0010	10	5
	SUBTOTALS 9560-02-74:	**10**	**5**
9560-02-75	0010	-	-
	SUBTOTALS 9560-02-75:	**-**	**-**
	TOTALS:	**10**	**5**

INLET PROTECTION

PROJECT	CATEGORY	STAGE	STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
9560-02-74	0010	STAGE 1	194+55	USH 141, LT	1	-	1	-
	0010	STAGE 1	198+00	USH 141, LT	1	-	1	-
	0010	STAGE 1	202+67	USH 141, LT	1	-	1	-
	0010	STAGE 1	207+25	USH 141, LT	1	-		1
	0010	STAGE 1	194+55	USH 141, RT	1	-	1	-
	0010	STAGE 1	198+00	USH 141, RT	1	-	1	-
	0010	STAGE 1	201+80	USH 141, RT	1	-	1	-
	0010	STAGE 1	202+67	USH 141, RT	1	-	1	-
	0010	STAGE 1	204+75	USH 141, RT	1	-	-	1
	0010	STAGE 1	207+25	USH 141, RT	1	-	-	1
	0010	STAGE 1	9+60 HI	HILL STREET, LT	1	-	-	1
	0010	STAGE 1	9+60 HI	HILL STREET, RT	1	-	-	1
	0010	STAGE 1	11+93 TY	TYLER STREET, LT	-	1	-	-
	0010	STAGE 1	11+64 TY	TYLER STREET, RT	1	-	1	-
	0010	STAGE 1	11+88 TY	TYLER STREET, RT	-	1	-	-
	0010	STAGE 1	9+16 V	VINE STREET, LT	1	-	1	-
	0010	STAGE 1	9+33 V	VINE STREET, RT	1	1	-	-
	0010	STAGE 2	169+50	USH 141, LT	1	-	-	1
	0010	STAGE 2	173+40	USH 141, LT	1	-	-	1
	0010	STAGE 2	176+94	USH 141, LT	1	-	-	1
	0010	STAGE 2	177+05	USH 141, LT	1	-	-	1
	0010	STAGE 2	179+75	USH 141, LT	1	-	1	-
	0010	STAGE 2	182+17	USH 141, LT	1	-	1	-
	0010	STAGE 2	186+29	USH 141, LT	1	-	1	-
	0010	STAGE 2	190+50	USH 141, LT	1	-	1	-
	0010	STAGE 2	165+65	USH 141, RT	1	-	1	-
	0010	STAGE 2	169+60	USH 141, RT	1	-	-	1
	0010	STAGE 2	169+75	USH 141, RT	1	-	-	1
	0010	STAGE 2	173+25	USH 141, RT	1	-	-	1
	0010	STAGE 2	176+30	USH 141, RT	1	-	-	1
	0010	STAGE 2	176+94	USH 141, RT	1	-	-	1
	0010	STAGE 2	177+03	USH 141, RT	1	-	-	1
	0010	STAGE 2	179+75	USH 141, RT	1	-	1	-
	0010	STAGE 2	182+17	USH 141, RT	1	-	1	-
	0010	STAGE 2	184+40	USH 141, RT	1	-	-	1
	0010	STAGE 2	186+29	USH 141, RT	1	-	1	-
	0010	STAGE 2	190+50	USH 141, RT	1	-	1	-
	0010	STAGE 2	9+65 P	PINE STREET, LT	1	-	-	1
	0010	STAGE 2	9+65 P	PINE STREET, RT	1	-	-	1
	0010	STAGE 2	9+60 BR	BROOK STREET, LT	-	-	1	-
	0010	STAGE 2	9+61 BR	BROOK STREET, RT	-	-	1	-
	0010	STAGE 2	10+40 C	CLARK STREET, LT	1	-	-	1
	0010	STAGE 2	10+40 C	CLARK STREET, RT	1	-	-	1
	0010	STAGE 2	13+08 C	CLARK STREET, RT	1	-	1	-
	0010	STAGE 2	13+49 C	CLARK STREET, RT	1	-	1	-
	0010	STAGE 2	10+79 M	MAIN STREET, LT	1	-	-	1
	0010	STAGE 2	12+13 M	MAIN STREET, LT	-	-	1	-
	0010	STAGE 2	12+13 M	MAIN STREET, RT	-	-	1	-
	0010	STAGE 2	9+60 S	SCHOOL STREET, LT	1	-	-	1
	0010	STAGE 2	9+60 S	SCHOOL STREET, RT	1	-	-	1
				SUBTOTALS 9560-02-74:	**44**	**3**	**24**	**23**

INLET PROTECTION (CONTINUED)

PROJECT	CATEGORY	STAGE	STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
9560-02-75	0010	STAGE 2	131+86	USH 141, LT	-	-	1	-
	0010	STAGE 2	141+90	USH 141, LT	-	-	1	-
	0010	STAGE 2	144+68	USH 141, LT	-	-	1	-
	0010	STAGE 2	146+40	USH 141, LT	1	-	1	-
	0010	STAGE 2	149+88	USH 141, LT	-	-	1	-
	0010	STAGE 2	151+82	USH 141, LT	1	-	1	-
	0010	STAGE 2	157+56	USH 141, LT	1	-	1	-
	0010	STAGE 2	128+17	USH 141, RT	1	-	1	-
	0010	STAGE 2	131+86	USH 141, RT	-	-	1	-
	0010	STAGE 2	141+91	USH 141, RT	-	-	1	-
	0010	STAGE 2	146+40	USH 141, RT	1	-	1	-
	0010	STAGE 2	149+87	USH 141, RT	-	-	1	-
	0010	STAGE 2	156+93	USH 141, RT	1	-	1	-
	0010	STAGE 2	9+57 G	GOODREAU STREET, LT	-	-	1	-
	0010	STAGE 2	9+69 L	LEDGE STREET, LT	1	-	1	-
	0010	STAGE 2	9+69 L	LEDGE STREET, RT	1	-	1	-
	0010	STAGE 2	9+65 BI	BIRCH STREET, LT	-	-	1	-
	0010	STAGE 2	9+64 BI	BIRCH STREET, RT	-	-	1	-
	0010	STAGE 2	9+72 MA	MAPLE STREET, LT	1	-	1	-
	0010	STAGE 2	9+63 MA	MAPLE STREET, RT	1	-	1	-
	0010	STAGE 2	9+64 H	HEMLOCK STREET, LT	1	-	1	-
	0010	STAGE 2	9+61 H	HEMLOCK STREET, RT	1	-	1	-
				SUBTOTALS 9560-02-75:	**12**	**-**	**22**	**-**
				TOTALS:	**56**	**3**	**46**	**23**

3

3

LANDSCAPING

PROJECT	CATEGORY	STAGE	STATION	TO	STATION	O/S	LOCATION	625.0100 TOPSOIL SY	628.6510 SOIL STABILIZER TYPE B ACRE	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	SPV.0120.01 WATER FOR SEEDED AREAS MGAL*
9560-02-74	0010	STAGE 1	193+58	-	194+06	LT.	USH 141 (STA 193+50 TO HILL STREET)	98	0.005	0.1	2	1	0.5
	0010	STAGE 1	194+42	-	204+47	LT.	USH 141 (HILL STREET TO VINE STREET)	2,175	0.184	1.4	39	29	12.2
	0010	STAGE 1	204+76	-	209+76	LT.	USH 141 (VINE STREET TO END PROJECT)	526	0.000	0.3	9	7	3.0
	0010	STAGE 1	196+52	-	202+06	RT.	USH 141 (STA 193+50 TO TYLER ROAD)	921	0.057	0.6	17	12	5.2
	0010	STAGE 1	202+45	-	209+79	RT.	USH 141 (TYLER ROAD TO END PROJECT)	1,297	0.086	0.8	23	18	7.3
	0010	STAGE 1	9+50 HI	-	9+65 HI	LT.	HILL STREET	4	0.000	0.0	0	0	0.0
	0010	STAGE 1	10+31 TY	-	10+75 TY	RT.	TYLER ROAD	26	0.000	0.0	0	0	0.1
	0010	STAGE 1	8+50 V	-	9+69 V	LT.	VINE STREET	95	0.000	0.1	2	1	0.5
	0010	STAGE 1	8+50 V	-	9+69 V	RT.	VINE STREET	147	0.012	0.1	3	2	0.8
	0010	STAGE 2	164+00	-	164+17	LT.	USH 141 (STA. 164+00 TO PINE STREET)	8	0.000	0.0	0	0	0.0
	0010	STAGE 2	164+53	-	169+53	LT.	USH 141 (PINE STREET TO BROOK STREET)	1,459	0.128	0.9	26	20	8.2
	0010	STAGE 2	169+97	-	185+95	LT.	USH 141 (BROOK STREET TO SCHOOL STREET)	2,902	0.177	1.8	52	39	16.3
	0010	STAGE 2	186+18	-	193+50	LT.	USH 141 (SCHOOL STREET TO STA 193+50)	2,027	0.145	1.3	36	27	11.4
	0010	STAGE 2	164+00	-	164+21	RT.	USH 141 (STA. 164+00 TO PINE STREET)	11	0.000	0.0	0	0	0.1
	0010	STAGE 2	164+70	-	176+46	RT.	USH 141 (PINE STREET TO CLARK STREET)	1,540	0.106	1.0	28	21	8.6
	0010	STAGE 2	176+76	-	183+36	RT.	USH 141 (CLARK STREET TO MAIN STREET)	1,412	0.089	0.9	25	19	7.9
	0010	STAGE 2	184+03	-	184+20	RT.	USH 141 (MAIN STREET TO STA 193+50)	376	0.037	0.2	7	5	2.1
	0010	STAGE 2	10+20 P	-	10+60	LT.	PINE STREET	60	0.003	0.0	1	1	0.3
	0010	STAGE 2	9+50 P	-	10+60	RT.	PINE STREET	66	0.002	0.0	1	1	0.4
	0010	STAGE 2	10+38 C	-	10+80 C	RT.	CLARK STREET	47	0.010	0.0	1	1	0.3
	0010	STAGE 2	10+39 M	-	11+25 M	LT.	MAIN STREET	135	0.008	0.1	2	2	0.8
	0010	STAGE 2	10+39 M	-	11+25 M	RT.	MAIN STREET	53	0.005	0.0	1	1	0.3
							SUBTOTALS 9560-02-74:	**15,384**	**1.056**	**9.6**	**275**	**207**	**86**
PROJECT													
9560-02-75	0010	STAGE 2	119+50	-	164+00	LT.	END OF PROJECT TO STA 164+00	602	0.024	0.4	11	8	3.4
	0010	STAGE 2	119+50	-	164+00	RT.	END OF PROJECT TO STA 164+00	345	0.009	0.2	6	5	1.9
	0010	STAGE 2	10+29 T	-	10+39 T	LT.	TUTAS STREET	7	0.000	0.0	0	0	0.0
	0010	STAGE 2	9+57 G	-	9+75	LT.	GOODREAU STREET	7	0.000	0.0	0	0	0.0
	0010	STAGE 2	10+29 CA	-	10+39 CA	LT.	CARDIN STREET	4	0.000	0.0	0	0	0.0
	0010	STAGE 2	9+60 L	-	9+71 L	LT.	LEDGE STREET	10	0.000	0.0	0	0	0.1
	0010	STAGE 2	9+61 L	-	9+71 L	RT.	LEDGE STREET	8	0.000	0.0	0	0	0.0
	0010	STAGE 2	9+64 BI	-	9+79 BI	LT.	BIRCH STREET	9	0.000	0.0	0	0	0.1
	0010	STAGE 2	9+48 BI	-	9+65 BI	RT.	BIRCH STREET	12	0.000	0.0	0	0	0.1
	0010	STAGE 2	9+67 MA	-	9+77 MA	LT.	MAPLE STREET	8	0.000	0.0	0	0	0.0
	0010	STAGE 2	9+48 MA	-	9+65 MA	RT.	MAPLE STREET	11	0.000	0.0	0	0	0.1
	0010	STAGE 2	9+56 H	-	9+66 H	RT.	HEMLOCK STREET	9	0.000	0.0	0	0	0.0
							SUBTOTALS 9560-02-75:	**1,033**	**0.033**	**0.6**	**17**	**13**	**6**
							TOTALS:	**16,417**	**1**	**10**	**292**	**220**	**92**

* WATER QUANTITY IS COMPUTED AS 1-INCH OF WATER APPLIED OVER THE SEEDED AREA ONCE EVERY 3 DAYS FOR A PERIOD OF 30 DAYS. ACTUAL QUANTITY IS CONTINGENT ON RAINFALL DURING THE 30 DAY ESTABLISHMENT PERIOD.

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REMOVING AND MOVING SIGNS

PROJECT	CATEGORY	SIGN NO.	SIGN CODE	SIGN MESSAGE	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
9560-02-74	0010	R1-01		CENTERLINE RUMBLE STRIPS, NEXT 00	-	2	1	-	2 SIGNS ON SAME
	0010	M1-01	R1-1	STOP	2	-	-	2	
	0010	W1-01		GOODREAU ST, RIVER ST	-	-	-	-	MOVED BY OTHERS
	0010	W1-02		SHATTUCK PARK LT ARROW	-	-	-	-	MOVED BY OTHERS
	0010	M1-02	R1-1	STOP	2	-	-	2	
	0010	M2-01	R1-1	STOP	2	-	-	2	
	0010	W2-01		CARDIN ST, RIVER ST	-	-	-	-	MOVED BY OTHERS
	0010	M2-02	R1-1	STOP	2	-	-	2	
	0010	W2-02		RIVER ST, LEDGE ST	-	-	-	-	MOVED BY OTHERS
	0010	M2-03	R1-1	STOP	2	-	-	2	
	0010	M3-01	R1-1	STOP	2	-	-	2	
	0010	W3-01		RIVER ST, MAPLE ST	-	-	-	-	MOVED BY OTHERS
	0010	M3-02	R1-1	STOP	2	-	-	2	
	0010	M4-01	R1-1	STOP	2	-	-	2	
	0010	W4-01	-	PINE ST, RIVER ST	-	-	-	-	MOVED BY OTHERS
	0010	R4-01	R1-1	STOP	-	1	1	-	
	0010	W4-02	-	SMALL BOAT LANDING	-	-	-	-	MOVED BY OTHERS
	0010	R4-02	R2-1	SPEED LIMIT 25	-	1	-	-	
	0010	W4-03		RIVER ST, HEMLOCK ST	-	-	-	-	MOVED BY OTHERS
	0010	R4-03	R1-1	STOP	-	1	1	-	
	0010	R4-04	R7-1-D	NO PARKING ANY TIME	-	1	1	-	
	0010	R4-05	R7-1-D	NO PARKING ANY TIME	-	1	1	-	
	0010	R4-06	J4-1	SOUTH 141	-	1	1	-	
	0010	R4-07	J4-1	NORTH 141	-	1	-	-	
	0010	R5-01	R7-51	NO PARKING HERE TO CORNER	-	1	1	-	
	0010	W5-01	-	MEMORIAL PARK LT ARROW	-	-	-	-	MOVED BY OTHERS
	0010	R5-02	R1-1	STOP	-	1	1	-	
	0010	W5-02	-	BROOK ST, RIVER ST	-	-	-	-	MOVED BY OTHERS
	0010	W5-03	-	MEMORIAL PARK RT ARROW	-	-	-	-	MOVED BY OTHERS
	0010	R5-03	R2-1	SPEED LIMIT 25	-	1	1	-	
	0010	R5-04	J4-1	SOUTH 141	-	1	1	-	
	0010	W5-04	-	CLARK ST, RIVER ST	-	-	-	-	MOVED BY OTHERS
	0010	R5-05	R1-1	STOP	-	1	1	-	
	0010	R6-01	R7-1-D	NO PARKING ANY TIME	-	1	1	-	
	0010	W6-01	-	MAIN ST, SCHOOL ST	-	-	-	-	MOVED BY OTHERS
	0010	R6-02	-	RIGHT LANE ENDS 500 FT	-	1	1	-	NOT REPLACED
	0010	R6-03	R2-1	SPEED LIMIT 25	-	1	1	-	
	0010	R6-04	R1-1	STOP	-	1	1	-	
	0010	R6-05	R1-1	STOP	-	1	1	-	
	0010	R6-06	J4-1	NORTH 141	-	1	1	-	
	0010	R7-01	R1-1	STOP	-	1	1	-	
	0010	W7-01	-	HILL ST, MAIN ST	-	-	-	-	MOVED BY OTHERS
	0010	R7-02	R2-1	SPEED LIMIT 25	-	1	1	-	
	0010	W7-02	-	TYLER RD, MAIN ST	-	-	-	-	MOVED BY OTHERS
	0040	W7-03	-	NO TRUCKS	-	-	-	-	MOVE BY OTHERS
	0010	R7-03	R1-1	STOP	-	1	1	-	
	0010	W8-01	-	MAIN ST, VINE ST	-	-	-	-	MOVED BY OTHERS
	0010	R8-01	R1-1	STOP	-	1	1	-	
	0010	R8-02	-	141 UPPER RT ARROW	-	1	1	-	NOT REPLACED
	0010	R8-03	R2-1	SPEED LIMIT 25	-	1	1	-	
	0010	R8-04	J1-1	JCT COUNTY N	-	1	1	-	
				SUBTOTALS 9560-02-74	**16**	**27**	**24**	**16**	
				TOTALS:	**16**	**27**	**24**	**16**	

PERMANENT SIGNS

PROJECT	CATEGORY	SIGN NO.	SIGN CODE	SIGN MESSAGE	SIGN DIMENSIONS W IN.	X	H IN.	637.2210 SIGNS TYPE II REFLECTIVE H SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	MOUNT ON SAME POST AS SIGN #	REMARKS
9560-02-74	0010	N4-01	R1-1	STOP	30	X	30	5.18	-	-	1		
	0010	N4-02	R2-1	SPEED LIMIT 25	24	X	30	5.00	-	-	1	W4-02	SIGN W4-02 (SMALL BOAT LANDING) TO BE MOVED BY OTHERS
	0010	N4-03	R1-1	STOP	30	X	30	5.18	-	-	1		
	0010	N4-04	R7-1-D	NO PARKING ANY TIME	18	X	24	3.00	1	-	-		
	0010	N4-05	R7-1-D	NO PARKING ANY TIME	18	X	24	3.00	1	-	-		
	0010	N5-01	R7-51	NO PARKING HERE TO CORNER	18	X	24	3.00	1	-	-		
	0010	N5-02	R1-1	STOP	30	X	30	5.18	-	-	1		
	0010	N5-03	R2-1	SPEED LIMIT 25	24	X	30	7.46	-	-	1		
	0010	N5-04	R1-1	STOP	30	X	30	5.18	-	-	1		
	0010	N6-01	R7-1-D	NO PARKING ANY TIME	18	X	24	3.00	1	-	-		
	0010	N6-02	R2-1	SPEED LIMIT 25	24	X	30	5.00	-	-	1		
	0010	N6-03	R1-1	STOP	30	X	30	5.18	-	-	1		
	0010	N6-04	R1-1	STOP	30	X	30	5.18	-	-	1		
	0010	N7-01	R1-1	STOP	30	X	30	5.18	-	-	1		
	0010	N7-02	R2-1	SPEED LIMIT 25	24	X	30	5.00	-	-	1		
	0010	N7-03	R1-1	STOP	30	X	30	5.18	-	-	1		
	0010	N8-01	R1-1	STOP	30	X	30	5.18	-	-	1		
	0010	N8-02	J4-1	SOUTH 141	24	X	36	6.00	-	-	-		MOUNT ON UTILITY POLE
	0010	N8-03	R2-1	SPEED LIMIT 25	24	X	30	5.00	-	-	1		
	0010	N8-04	J1-1	JCT COUNTY N	24	X	39	6.50	-	1	-		
				SUBTOTALS 9560-02-74:				**98.58**	**4**	**1**	**14**		
				TOTALS:				**98.58**	**4**	**1**	**14**		

643.1000
TRAFFIC CONTROL SIGNS FIXED MESSAGE

PROJECT	CATEGORY	LOCATION	SF	COMMENT
9560-02-74	10	DETOUR PLAN - BLOW-UP #1	11	TRUCK TRAFFIC / FOLLOW DETOUR
	0010	DETOUR PLAN - BLOW-UP #1	18	USH 141-MAIN ST / CLOSED IN / NIAGARA
	0010	DETOUR PLAN - BLOW-UP #2	7	GREEN BAY --->
	0010	DETOUR PLAN - BLOW-UP #2	18	USH 141-MAIN ST / CLOSED IN / NIAGARA
	0010	DETOUR PLAN - BLOW-UP #2	6	<---- NIAGARA
	0010	DETOUR PLAN - BLOW-UP #4	18	USH 141-MAIN ST / CLOSED IN / NIAGARA
	0010	DETOUR PLAN - BLOW-UP #4	18	USH 141/MAIN ST / CLOSED IN NIAGARA
	0010	DETOUR PLAN - BLOW-UP #4	18	USH 141/MAIN ST / CLOSED IN NIAGARA
	0010	DETOUR PLAN - BLOW-UP #4	11	TRUCK TRAFFIC / FOLLOW DETOUR
	0010	DETOUR PLAN - BLOW-UP #5	5	EXIST TO / US 8 / <---- *
	0010	DETOUR PLAN - BLOW-UP #5	5	NO EXIT / TO / US 8 *
	0010	DETOUR PLAN - BLOW-UP #5	5	NO EXIT / TO / US 8 *
		SUBTOTAL 9560-02-74:	**140**	
		TOTAL:	**140**	

* FIXED MESSAGE SIGNS TO BECOME PROPERTY OF THE CITY OF NORWAY AT THE END OF THE DETOUR

PAVEMENT MARKING

PROJECT	CATEGORY	STATION	-	STATION	ROADWAY	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH	REMARKS
9560-02-74	0010	164+00	-	209+79	USH 141	LT/RT	9,060	-	-	-	-	-	-	-	
	0010	164+66			USH 141	LT/RT	-	-	-	32	-	-	-	-	
	0010	164+72			USH 141	LT/RT	-	-	-	32	-	-	-	-	
	0010	169+38			USH 141	LT/RT	-	-	-	32	-	-	-	-	
	0010	169+44			USH 141	LT/RT	-	-	-	32	-	-	-	-	
	0010	176+84			USH 141	LT/RT	-	-	-	36	-	-	-	-	
	0010	176+90			USH 141	LT/RT	-	-	-	36	-	-	-	-	
	0010	183+18			USH 141	LT/RT	-	-	-	35	-	-	-	-	
	0010	183+24			USH 141	LT/RT	-	-	-	37	-	-	-	-	
	0010	184+19			USH 141	LT/RT	-	-	-	35	-	-	-	-	
	0010	184+25			USH 141	LT/RT	-	-	-	33	-	-	-	-	
	0010	185+74			USH 141	LT/RT	-	-	-	32	-	-	-	-	
	0010	185+80			USH 141	LT/RT	-	-	-	32	-	-	-	-	
	0010	193+92			USH 141	LT/RT	-	-	-	32	-	-	-	-	
	0010	193+98			USH 141	LT/RT	-	-	-	32	-	-	-	-	
	0010	202+54			USH 141	LT/RT	-	-	-	32	-	-	-	-	
	0010	202+60			USH 141	LT/RT	-	-	-	32	-	-	-	-	
	0010	9+72'P'			PINE ST	LT/RT	-	-	-	26	-	-	-	-	
	0010	9+78'P'			PINE ST	LT/RT	-	-	-	32	-	-	-	-	
	0010	9+70'BR'			BROOK ST	LT/RT	-	-	-	29	-	-	-	-	
	0010	9+76'BR'			BROOK ST	LT/RT	-	-	-	32	-	-	-	-	
	0010	10+29'C'			CLARK ST	LT/RT	-	-	-	23	-	-	-	-	
	0010	10+35'C'			CLARK ST	LT/RT	-	-	-	21	-	-	-	-	
	0010	10+34'M'			MAIN ST	LT/RT	-	-	-	59	-	-	-	-	
	0010	10+40'M'			MAIN ST	LT/RT	-	-	-	52	-	-	-	-	
	0010	9+66'S'			SCHOOL ST	LT/RT	-	-	-	17	-	-	-	-	
	0010	9+72'S'			SCHOOL ST	LT/RT	-	-	-	17	-	-	-	-	
	0010	9+63'HI'			HILL ST	LT/RT	-	-	-	32	-	-	-	-	
	0010	9+69'HI'			HILL ST	LT/RT	-	-	-	32	-	-	-	-	
	0010	10+25'TY'			TYLER RD	LT/RT	-	-	-	28	-	-	-	-	
	0010	10+31'TY'			TYLER RD	LT/RT	-	-	-	24	-	-	-	-	
	0010	S. LEG OF USH 2 & 8 INT.			USH 8	LT/RT	495	2	1	-	330	20	330	3	CITY OF NORWAY
	0010	W. LEG OF USH 2 & 8 INT.			USH 2	RT	-	-	-	-	-	22	-	-	CITY OF NORWAY
	0010	E. LEG OF USH 2 & 8 INT.			USH 2	LT	-	-	-	-	-	22	-	-	CITY OF NORWAY
						SUBTOTALS 9560-02-74	**9,555**	**2**	**1**	**956**	**330**	**64**	**330**	**3**	
9560-02-75	0010	119+50	-	164+00	USH 141	LT/RT	8,854	-	-	-	-	-	-	-	
	0010	125+10			USH 141	LT/RT	-	-	-	35	-	-	-	-	
	0010	125+16			USH 141	LT/RT	-	-	-	34	-	-	-	-	
	0010	128+16			USH 141	LT/RT	-	-	-	36	-	-	-	-	
	0010	128+22			USH 141	LT/RT	-	-	-	34	-	-	-	-	
	0010	132+30			USH 141	LT/RT	-	-	-	35	-	-	-	-	
	0010	132+36			USH 141	LT/RT	-	-	-	34	-	-	-	-	
	0010	138+30			USH 141	LT/RT	-	-	-	36	-	-	-	-	
	0010	138+36			USH 141	LT/RT	-	-	-	34	-	-	-	-	
	0010	9+70'G'			GOODREAU ST	LT/RT	-	-	-	36	-	-	-	-	
	0010	9+76'G'			GOODREAU ST	LT/RT	-	-	-	40	-	-	-	-	
	0010	10+25'G'			GOODREAU ST	LT/RT	-	-	-	40	-	-	-	-	
	0010	10+31'G'			GOODREAU ST	LT/RT	-	-	-	36	-	-	-	-	
	0010	9+71'CA'			CARDIN ST	LT/RT	-	-	-	28	-	-	-	-	
	0010	9+77'CA'			CARDIN ST	LT/RT	-	-	-	29	-	-	-	-	
	0010	10+24'CA'			CARDIN ST	LT/RT	-	-	-	31	-	-	-	-	
	0010	10+30'CA'			CARDIN ST	LT/RT	-	-	-	31	-	-	-	-	
	0010	9+71'L'			LEDGE ST	LT/RT	-	-	-	28	-	-	-	-	
	0010	9+77'L'			LEDGE ST	LT/RT	-	-	-	35	-	-	-	-	
	0010	9+71'B'			BIRCH ST	LT/RT	-	-	-	34	-	-	-	-	
	0010	9+78'B'			BIRCH ST	LT/RT	-	-	-	45	-	-	-	-	
	0010	9+70'MA'			MAPLE ST	LT/RT	-	-	-	29	-	-	-	-	
	0010	9+76'MA'			MAPLE ST	LT/RT	-	-	-	36	-	-	-	-	
	0010	9+66'H'			HEMLOCK ST	LT/RT	-	-	-	23	-	-	-	-	
	0010	9+72'H'			HEMLOCK ST	LT/RT	-	-	-	24	-	-	-	-	
						SUBTOTALS 9560-02-75	**8,854**	**-**	**-**	**803**	**-**	**-**	**-**	**-**	
						TOTALS:	**18,409**	**2**	**1**	**1,759**	**330**	**64**	**330**	**3**	

TRAFFIC CONTROL SUMMARY

PROJECT	CATEGORY	STAGE	DURATION CALENDAR DAYS*	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0410 TRAFFIC CONTROL BARRICADES TYPE II DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS** TYPE II EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.5 TRAFFIC CONTROL EACH	643.0310.S TEMPORARY PORTABLE RUMBLE STRIPS LS
9560-02-74	0010	1	42	1,368	168	672	1,512	1,386	-	-	-	-
	0010	2	79	4,661	395	1,185	2,765	4,345	-	-	-	-
	0010	DETOUR	-	-	-	605	-	16,577	9	49	-	-
	0010	PROJECT	-	-	-	-	-	-	-	-	0.6	1
			SUBTOTALS 9560-02-74:	**6,029**	**563**	**2,462**	**4,277**	**22,308**	**9**	**49**	**0.6**	**1**
9560-02-75	0010	1	42	-	-	42	84	42	-	-	-	-
	0010	2	79	8,207	1,185	1,027	3,239	3,871	-	-	-	-
	0010	DETOUR	-	-	-	-	-	-	-	-	-	-
	0010	PROJECT	-	-	-	-	-	-	-	-	0.4	0
			SUBTOTALS 9560-02-75:	**8,207**	**1,185**	**1,069**	**3,323**	**3,913**	**-**	**-**	**0.4**	**0**
			TOTALS:	**14,236**	**1,748**	**3,531**	**7,600**	**26,221**	**9**	**49**	**1.0**	**1**

* FOR INFORMATION ONLY

** 1) COVERING SIGNS IS FOR ONE CYCLE. **2) REFER TO MICHIGAN DOT 2012 STANDARD SPEFICICATIONS FOR CONSTRUCTION FOR COVERING SIGN REQUIREMENTS IN MICHIGAN

CONSTRUCTION STAKING

PROJECT	CATEGORY	STATION	TO	STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.8000 RESURFACE REFERENCE LF	650.9920 SLOPE STAKES LF	650.9910 SUPPLEMENTAL CONTROL LS
9560-02-74	0010	164+00.00	-	176+25.00	USH 141 (PINE STREET TO CLARK STREET)	1,225	1,225	-	1,225	-
	0010	176+25.00	-	186+50.00	USH 141 (CLARK STREET TO SCHOOL STREET)	1,025	1,025	-	1,025	-
	0010	186+50.00	-	201+75.00	USH 141 (SCHOOL STREET TO TYLER ROAD)	1,525	1,525	-	1,525	-
	0010	201+75.00	-	209+79.39	USH 141 (TYLER ROAD TO END PROJECT)	804	804	-	804	-
	0010	8+50.00 V	-	9+69.00 V	VINE STREET	119	119	-	119	-
					SUBTOTALS 9560-02-74:	**4,698**	**4,698**	**-**	**4,698**	**1**
9560-02-75	0010	119+50.00	-	131+75.00	USH 141 (BEGINNING OF PROJECT TO CARDIN STREET)	-	-	1,225	-	-
	0010	131+75.00	-	144+50.00	USH 141 (CARDIN STREET TO BIRCH STREET)	-	-	1,275	-	-
	0010	144+50.00	-	156+75.00	USH 141 (BIRCH STREET TO HEMLOCK STREET)	-	-	1,225	-	-
	0010	156+75.00	-	164+00.00	USH 141 (HEMLOCK STREET TO PINE STREET)	-	-	725	-	-
					SUBTOTALS 9560-02-75:	**-**	**-**	**4,450**	**-**	**1**
					TOTALS:	**4,698**	**4,698**	**4,450**	**4,698**	**2**

TEMPORARY PEDESTRIAN ACCESS

PROJECT	CATEGORY	STAGE	644.1430.S TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1601.S TEMPORARY CURB RAMP EACH	644.1616.S TEMPORARY PEDESTRIAN SAFETY FENCE LF
9560-02-74	0010	1	192	6	240
	0010	2	688	24	960
		SUBTOTALS 9560-02-74:	**880**	**30**	**1,200**
9560-02-75	0010	2	272	10	400
		SUBTOTALS 9560-02-75:	**272**	**10**	**400**
		TOTALS:	**1,152**	**40**	**1,600**

MANAGEMENT OF PETROLEUM-CONTAMINATED SOIL AND GROUNDWATER

PROJECT	CATEGORY	STATION	TO	STATION	ROADWAY	SPV.0195.01 MANAGEMENT OF PETROLEUM CONTAMINTED SOIL AND GROUNDWATER TON
9560-02-74	0040	164+00	-	209+79.35	USH 141 - VARIOUS SITES	470
					SUBTOTAL 9560-02-74:	**470**
					TOTAL:	**470**

3

INSULATION BOARD

PROJECT	CATEGORY	STATION		TO STATION	ROADWAY	* SPV.0165.04 INSULATION BOARD (4-INCH) SF
9560-02-74	0010	164+00	-	209+79	USH 141	320
				SUBTOTAL 9560-02-74:		**320**
9560-02-75	0010	164+00	-	209+79	USH 141	32
				SUBTOTAL 9560-02-75:		**32**
				TOTAL:		**352**

*INSULATION BETWEEN WATER AND STORM SEWER. SEE PLANS FOR LOCATIONS.
*OTHER QUANTITIES LISTED ON STORM SEWER PIPE SCHEDULE

WATER VALVE BOX

PROJECT	CATEGORY	STATION		TO STATION	ROADWAY	SPV.0060.13 ADJUSTING WATER VALVE BOX EACH	SPV.0060.14 REPLACE UPPER SECTION WATER VALVE BOX EACH
9560-02-74	0020	164+00	-	209+79	USH 141	34	0
					SUBTOTAL 9560-02-74:	**34**	**0**
9560-02-75	0020	119+50	-	164+00	USH 141	20	5
					SUBTOTAL 9560-02-75:	**20**	**5**
					TOTAL:	**54**	**5**

SANITARY MANHOLE

PROJECT	CATEGORY	STATION		TO STATION	ROADWAY	SPV.0060.11 ADJUSTING SANITARY MANHOLE COVER EACH	SPV.0060.12 REMOVE AND REPLACE SANITARY MANHOLE CASTING, ADUSTING RINGS AND COVER EACH	COMMENTS
9560-02-74	0030	164+00	-	209+79	USH 141	20	1	FOUR MANHOLES FROM STA 174+50 TO 181+75 HAVE BOLT DOWN CASTINGS
					SUBTOTALS 9560-02-74:	**20**	**1**	
9560-02-75	0030	119+50	-	164+00	USH 141	3	14	
					SUBTOTALS 9560-02-75:	**3**	**14**	
					TOTALS:	**23**	**15**	

TEMPORARY TRAFFIC SIGNAL

PROJECT	CATEGORY	LOCATION	661.0200 TEMPORARY TRAFFIC SIGNAL FOR INTERSECTIONS (US-2 & US-8) LS	SPV.0055.01 ELECTRIC SERVICE DISCONNECT/RECONNECT DOL	SPV.0055.02 TEMPORARY TRAFFIC SIGNAL INSPECTION DOL	SPV.0090.03 TEMPORARY TRAFFIC SIGNAL EXPLORATORY TRENCHING LF
9560-02-74	0010	US-2 @ US-8 CITY OF NORWAY, MICHAGAN	1	1200	2000	100
		SUBTOTALS 9560-02-74:	**1**	**1200**	**2000**	**100**
		TOTALS:	**1**	**1,200**	**2,000**	**100**

OPEN AND REPAIR CHAIN LINK FENCE

PROJECT	CATEGORY	LOCATION	SPV.0105.03 OPEN AND REPAIR CHAIN LINK FENCE LS
9560-02-74	0010	NIAGARA DEVELOPMENT LLC PARKING LOTINTERSECTION OF CLARK ST & MILL ST	1
		SUBTOTAL 9560-02-74:	**1**
		TOTAL:	**1**

RAILING PEDESTRIAN

PROJECT	CATEGORY	LOCATION	STATION	ROADWAY	SPV.0090.01 TYPE A LF
9560-02-74	0010	944 MAIN STREET	198+24.31	USH 141, LT	12
				SUBTOTALS 9560-02-74:	**12**
				TOTALS:	**12**

TRANSPORTATION PROJECT PLAT TITLE SHEET

TRANSPORTATION PROJECT PLAT NO: 9560-02-21

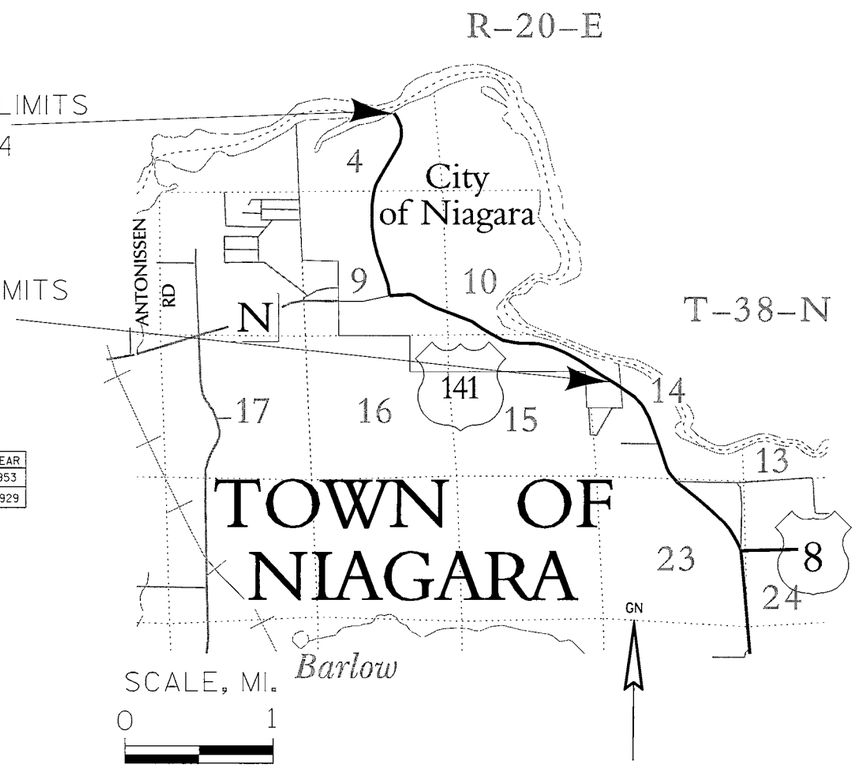
USH 141

MARINETTE COUNTY

PART OF SECTIONS 4, 9 10, 14 AND 15, TOWN 38 NORTH, RANGE 20 EAST,
CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

NORTHWEST PROJECT LIMITS
STATION 285+83.64

SOUTHEAST PROJECT LIMITS
STATION 119+50.00



HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
USH 141	3396	VARIES	1929

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED BY SEPARATE CONTRACT

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLE'S ARE TO TERMINATE ON DECEMBER 31, 2015, OR THE DATE THE CONSTRUCTION OF THE PROJECT IS COMPLETE, WHICHEVER OCCURS FIRST.

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 NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

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

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.	**CURVE DATA**	
HIGHWAY EASEMENT	H.E.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN
REFERENCE LINE	R/L		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	1" (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING H.E. LINE	
R/W MONUMENT	●(SET)	PROPERTY LINE	
R/W STANDARD	▲(SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT		CORPORATE LIMITS	
SECTION CORNER SYMBOL		NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		NO ACCESS (BY ACQUISTION)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
R/W BOUNDARY POINT	RW20	QUARTER LINE	
PARCEL NUMBER	102	SIXTEENTH LINE	
SIGN NUMBER (OFF PREMISE)	21	EXISTING CENTERLINE	
BUILDING		PROPOSED REFERENCE LINE	
		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

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

SHEET 2 OF 2

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

11/03/09 DATE — Bruce D. Bowden
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

11/6/09 DATE — George Bousley
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 1:48 P.M ON Nov. 6, 2009. AS DOCUMENT # 738615 AND FILED IN Vol. TPP1 pg68.

Melanie L Thompson
SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg.68

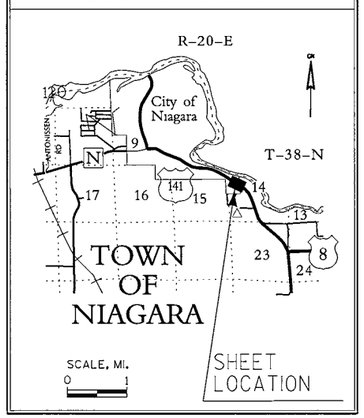
FILE NAME : P:\2007013\Survey\Microstation\Urban project\Urban RW_plat-sheets title-v8.dgn PLOT DATE : 11/2/2009 PLOT BY : OTIE PLOT NAME : PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES
1	ROBERT J. & TERESA M. DELONGCHAMP	T.L.E.	---	---	---	0.016

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

LOCATION SKETCH



TRANSPORTATION PROJECT PLAT NO: 9560-02-21 - 4.01

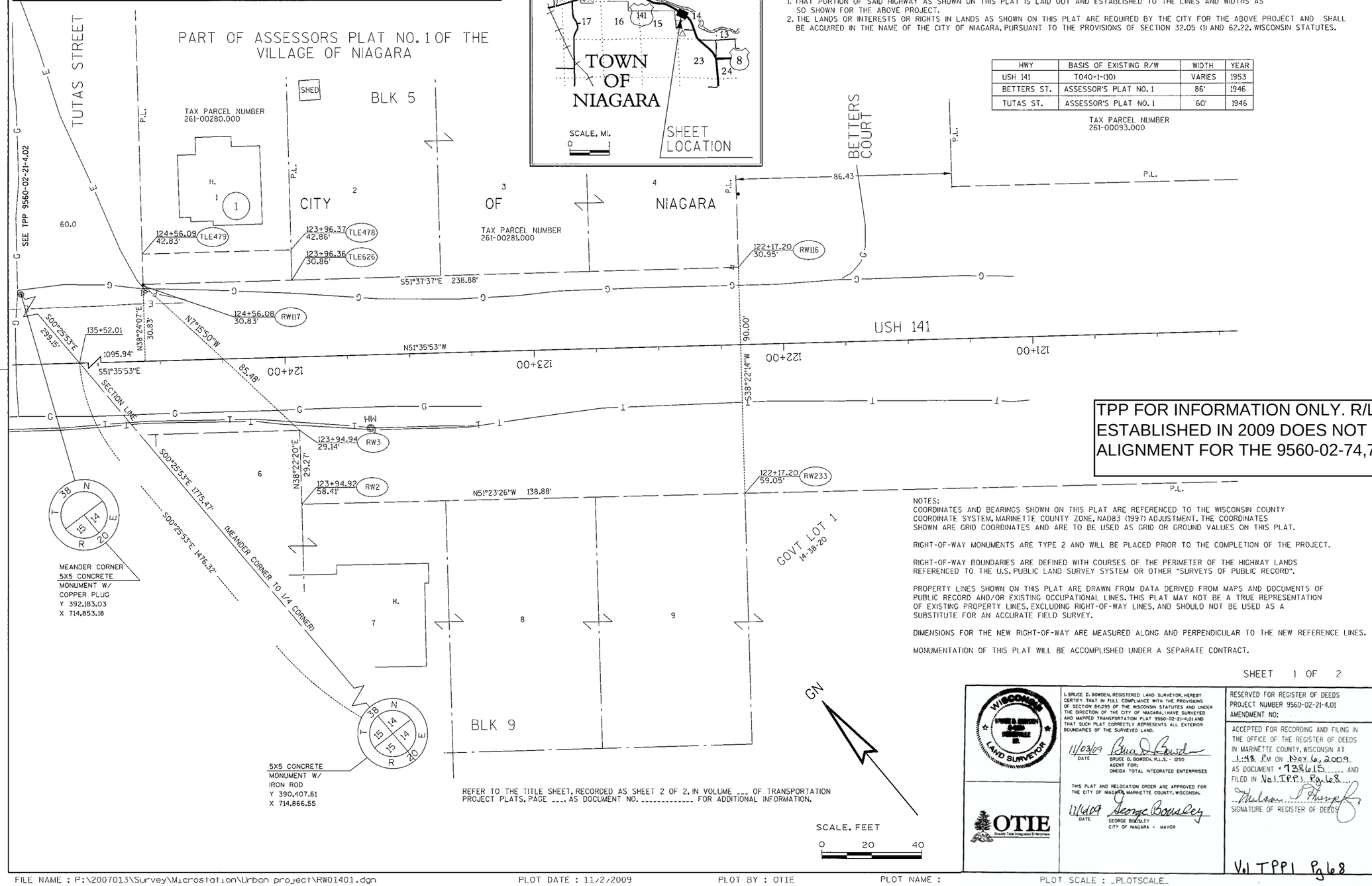
PART OF ASSESSORS PLAT NO. 1 OF THE VILLAGE OF NIAGARA AND GOVERNMENT LOT 1 OF SECTION 14, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
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HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
BETTERS ST.	ASSESSOR'S PLAT NO. 1	86'	1946
TUTAS ST.	ASSESSOR'S PLAT NO. 1	60'	1946



TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

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

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

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME ___ OF TRANSPORTATION PROJECT PLATS, PAGE ___, AS DOCUMENT NO. _____ FOR ADDITIONAL INFORMATION.

SHEET 1 OF 2

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

11/03/09 DATE
Bruce D. Bowden
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

12/14/09 DATE
George Bowsley
GEORGE BOWSLEY
CITY OF NIAGARA - MAYOR

OTIE Oneida Total Integrated Enterprises

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.01
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 1:18 PM ON Dec. 6, 2009 AS DOCUMENT # 738615 AND FILED IN Vol TPP1 Pg 68
Melanie L. Thompson
SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg68

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01401.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 11/2/2009
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_

TRANS. PROJECT PLAT NO: 9560-02-21- 4.02, AMENDMENT NO. 1

RENUMBERS PARCEL 400 TO PARCEL 403 FROM TRANSPORTATION PROJECT PLAT 9560-02-21- 4.02, RECORDED AS DOCUMENT NO. 738616 IN VOL TPP 1 ON PAGE 69

PART OF ASSESSORS PLAT NO. 1 OF THE VILLAGE OF NIAGARA IN GOVERNMENT LOT 1 OF SECTION 14, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

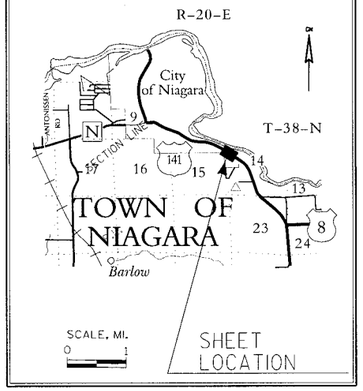
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES.

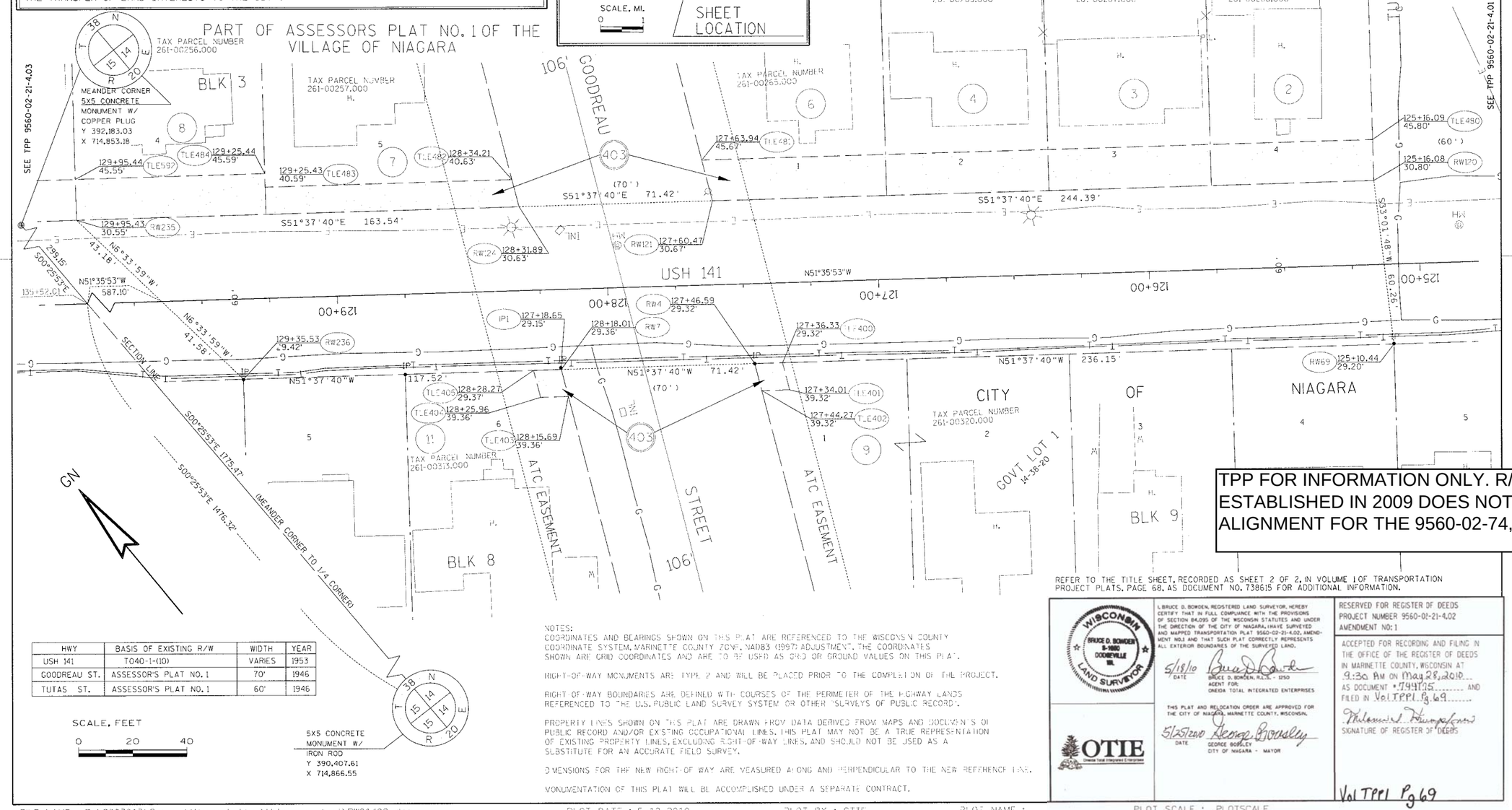
SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	T.L.E. ACRES
2	CONNIE I. RUGG	T.L.E.	---	---	---	0.021
3	DIANA L. MILLIGAN	T.L.E.	---	---	---	0.021
4	ROLANDE V. NAULT	T.L.E.	---	---	---	0.021
6	JEANNE E. HENDRICKS	T.L.E.	---	---	---	0.023
7	MARTIN R. & CAROL A. BENNETT	T.L.E.	---	---	---	0.021
8	TIMOTHY M. CIGUERE ETAL	T.L.E.	---	---	---	0.024
9	KEVIN ROUSE	T.L.E.	---	---	---	0.002
11	RONALD K. II & CINDY R. LAWRENCE	T.L.E.	---	---	---	0.002
403	AMERICAN TRANSMISSION COMPANY, LLC	RELEASE OF RIGHTS	---	---	---	---

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

LOCATION SKETCH





HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
GOODREAU ST.	ASSESSOR'S PLAT NO. 1	70'	1946
TUTAS ST.	ASSESSOR'S PLAT NO. 1	60'	1946

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

DIMENSIONS FOR THE NEW RIGHT-OF-WAY ARE MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINE.

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

WISCONSIN BRUCE D. BOMDEN S-1250 DODGEVILLE WI LAND SURVEYOR

I, BRUCE D. BOMDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.02, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE — Bruce D. Bomden
BRUCE D. BOMDEN, R.L.S. - 1250
AGENT FOR
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE — George Bowsley
GEORGE BOWSLEY
CITY OF NIAGARA - MAYOR

OTIE Oneida Total Integrated Enterprises

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.02
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:30 AM ON May 28, 2010 AS DOCUMENT # 744135 AND FILED IN Vol TPP1 Pg 69

Mildred A. Thompson
SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg 69

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01402.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_

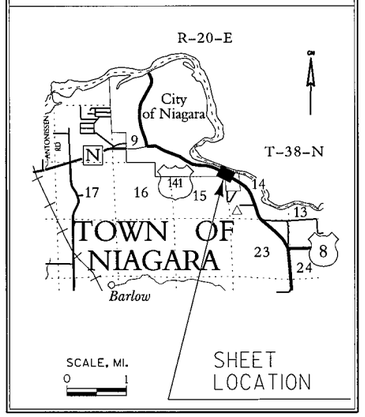
4.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES
12	TIMOTHY R. HOWEN	T.L.E.	---	---	---	0.021
13	CLARENCE E. & MAYCEL M. SWEIG REV. TRUST	T.L.E.	---	---	---	0.021
14	GENEVIEVE PETERSON & NANCY ARONSON	T.L.E.	---	---	---	0.020
16	JOHN A. & PEGGY S. KLENOVICH	T.L.E.	---	---	---	0.014
17	JOHN A. & PEGGY S. KLENOVICH	T.L.E.	---	---	---	0.014
18	JEREMY KAY & KRISTIE SWANSON	T.L.E.	---	---	---	0.014
19	RICHARD R. & CAROL A. KINSELLA	T.L.E.	---	---	---	0.021
21	RICHARD R. & CAROL A. KINSELLA	T.L.E.	---	---	---	0.034
22	KAREN A. & CLARICE M. LACOUNT, ETAL	T.L.E.	---	---	---	0.002

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

LOCATION SKETCH



TRANSPORTATION PROJECT PLAT NO: 9560-02-21- 4.03

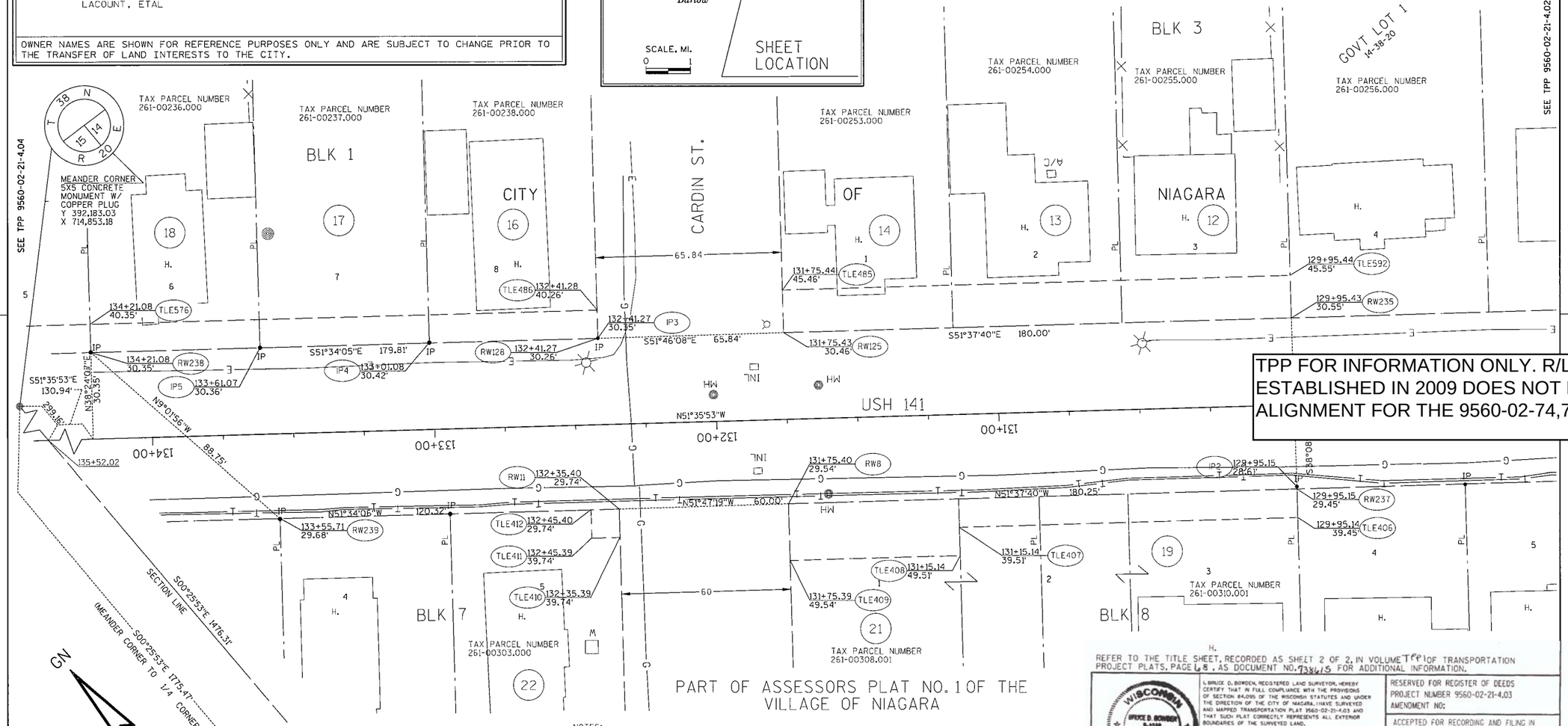
PART OF ASSESSORS PLAT NO. 1 OF THE VILLAGE OF NIAGARA IN GOVERNMENT LOT 1 OF SECTION 14, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
CARDIN ST.	ASSESSOR'S PLAT NO. 1	60'	1946



TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

PART OF ASSESSORS PLAT NO. 1 OF THE VILLAGE OF NIAGARA

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

WISCONSIN BRUCE D. BOWDEN S-1250 DODGEVILLE WI. LAND SURVEYOR

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

11/02/09 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

OTIE Oneida Total Integrated Enterprises

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

11/4/09 DATE
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.03
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 1:58 P.M. ON Nov. 6, 2009 AS DOCUMENT # 738617 AND FILED IN Vol TPP1 Pg 70.

SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg 70

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01403.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 11/2/2009
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_

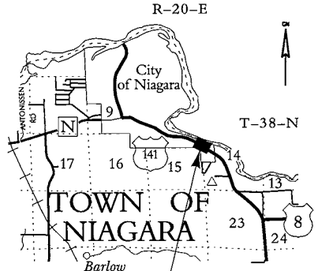
4.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES
23	KEVIN M. FLOOD	T.L.E.	---	---	---	0.014
24	KEVIN M. FLOOD	T.L.E.	---	---	---	0.013
26	JOHN R. & ROBERT L. SALER	T.L.E.	---	---	---	0.011
27	SUSAN A. MAYCUNICH	T.L.E.	---	---	---	0.013
28	DENNIS A. CHARTIER	T.L.E.	---	---	---	0.007
29	LISA L. VENSTRA	T.L.E.	---	---	---	0.007
31	UNION PROTESTANT CHURCH OF NIAGARA	T.L.E.	---	---	---	0.007
32	THOMAS C. TRULOCK	T.L.E.	---	---	---	0.003
33	MARK R. EKLUND, LINDA E. MINTEN, TODD J. EKLUND	T.L.E.	---	---	---	0.022

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

LOCATION SKETCH



NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT. RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

MEANDER CORNER 5X5 CONCRETE MONUMENT W/ COPPER PLUG
Y 392,183.03
X 714,853.18

TRANSPORTATION PROJECT PLAT NO: 9560-02-21- 4.04

PART OF ASSESSORS PLAT NO. 1 OF THE VILLAGE OF NIAGARA IN GOVERNMENT LOT 1 OF SECTION 14, AND THIRD REVISION OF SHATTUCK'S ADDITION TO THE VILLAGE OF NIAGARA IN GOVERNMENT LOT 2 OF SECTION 15, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
LEDGE ST.	SHATTUCK'S 3RD REVISION	60	1926

SCALE, FEET 0 20 40

CITY OF NIAGARA

PART OF ASSESSORS PLAT NO. 1 OF THE VILLAGE OF NIAGARA

S00°25'53"E 1775.47' (MEANDER CORNER TO 1/4 CORNER)
S00°25'53"E 299.15'
SECTION LINE
S51°34'05"E 414.85'
S51°35'53"E 76.49'
N51°35'53"W
N51°34'05"W 60.00'
N51°34'05"W 63.95'
N51°34'05"W 300.16'
N85°08'22"E
S00°25'53"W 1476.32'
S38°26'W 61.00'
S89°08'35"E 2508.76' (CENTER OF SECTION TO 1/4 CORNER)

TAX PARCEL NUMBER 261-00232.000
TAX PARCEL NUMBER 261-00231.000
TAX PARCEL NUMBER 261-00233.000
TAX PARCEL NUMBER 261-00234.000
TAX PARCEL NUMBER 261-00235.000
TAX PARCEL NUMBER 261-01316.000
TAX PARCEL NUMBER 261-01315.000
TAX PARCEL NUMBER 261-01303.000
TAX PARCEL NUMBER 261-01318.000

BLK 8 BLK 1 BLK 7 BLK 9
GOVT LOT 1 14-38-20
GOVT LOT 2 15-38-20
USH 141
LEDGE ST.
60

TLE488 136+55.72 35.48'
TLE487 136+55.72 40.48'
TLE577 138+35.93 35.57'
TLE576 134+21.08 40.35'
RW241 138+35.93 30.57'
RW238 134+21.08 30.35'
IP6 135+41.06 30.47'
IP7 136+55.71 29.83'
IP8 137+16.02 29.83'
IP9 137+75.92 29.85'
IP10 138+99.64 29.19'
RW240 138+99.64 29.40'
TLE417 138+99.65 44.40'
RW16 138+35.69 29.43'
TLE416 138+35.70 44.43'
TLE415 137+75.70 44.46'
RW13 137+75.69 29.46'
TLE413 137+65.69 29.47'
TLE414 137+65.70 44.47'
135+52.02

ALUMINUM MONUMENT
Y 390,448.14
X 712,258.10

5X5 CONCRETE MONUMENT W/ IRON ROD
Y 390,407.61
X 714,866.55

1/4 SECTION LINE

SEE TPP 9560-02-21-4.03
SEE TPP 9560-02-21-4.05

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

PART OF THIRD REVISION OF SHATTUCK'S ADDITION TO THE VILLAGE OF NIAGARA

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 1386178 FOR ADDITIONAL INFORMATION.

WISCONSIN BRUCE D. BOWDEN S-1250 DODGEVILLE WI. LAND SURVEYOR

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

11/03/09 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

11/6/09 DATE
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

OTIE Oneida Total Integrated Enterprises

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.04
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 1:58 PM ON Nov. 6, 2009 AS DOCUMENT # 1386178 AND FILED IN Vol 1 TPP1 Pg 71

SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg 71

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01404.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 11/2/2009
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES
31	UNION PROTESTANT CHURCH OF NIAGARA	T.L.E.	---	---	---	0.050
400	NIAGARA TELEPHONE COMPANY	RELEASE OF RIGHTS	---	---	---	---
402	WP ENERGIES - ELECTRIC	RELEASE OF RIGHTS	---	---	---	---

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

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

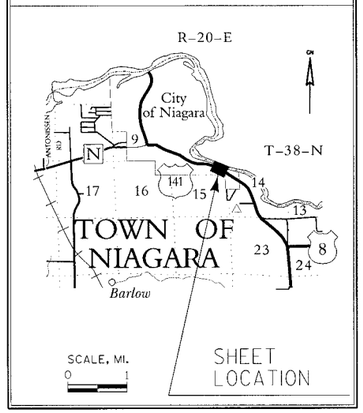
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

LOCATION SKETCH



TRANS. PROJECT PLAT NO: 9560-02-21- 4.05, AMENDMENT NO. 1

ADDS PARCELS 400 & 402 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.05, RECORDED AS DOCUMENT NO. 738619 IN VOL TPP 1 ON PAGE 72

PART OF THIRD REVISION OF SHATTUCK'S ADDITION TO THE VILLAGE OF NIAGARA IN GOVERNMENT LOT 2 OF SECTION 15, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

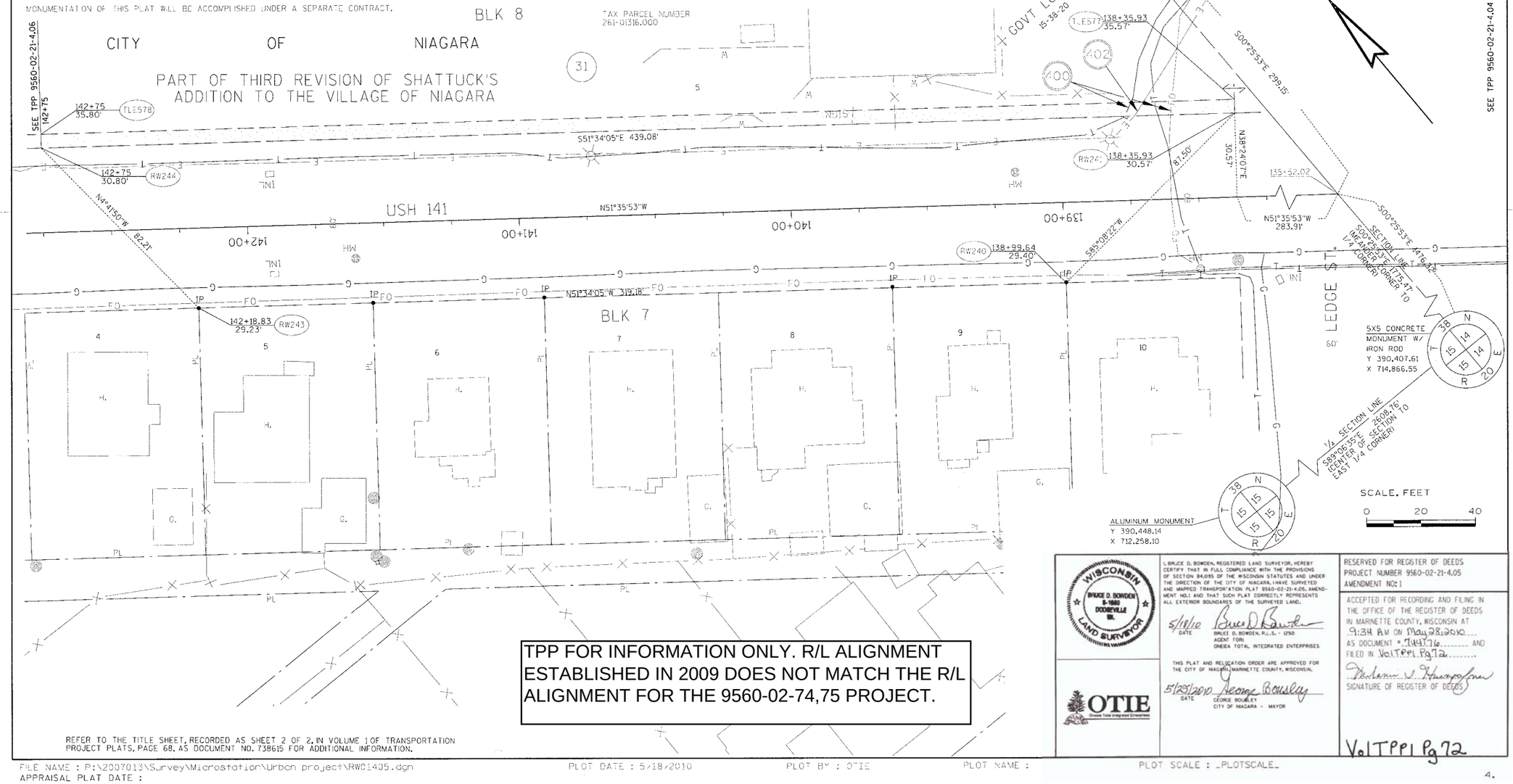
RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
LEDGE ST.	SHATTUCK'S 3RD REVISION	60'	1926

MEANDER CORNER
5X5 CONCRETE MONUMENT W/ COPPER PLUG
Y 392,183.03
X 714,853.18



TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

WISCONSIN BRUCE D. BOWDEN S-1250 DODGEVILLE WI. LAND SURVEYOR

OTIE Oneida Total Integrated Enterprises

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.05, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE
Bruce D Bowden
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
George Bowsley
GEORGE BOWSLEY
CITY OF NIAGARA - MAYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.05
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:34 AM ON May 28, 2010 AS DOCUMENT # 744176 AND FILED IN Vol TPP1 Pg 72

SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg 72

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01405.dgn
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

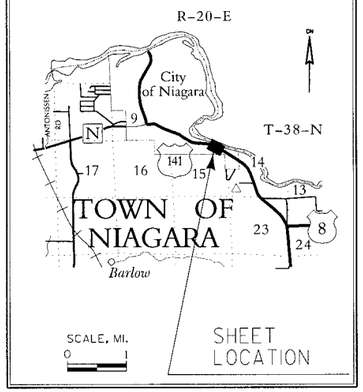
4.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES
31	UNION PROTESTANT CHURCH OF NIAGARA	T.L.E.	---	---	---	0.022
34	CITY OF NIAGARA	T.L.E.	---	---	---	0.0005
36	S-FELLY GENEVA, ROBERT T. SALCZENKO, ETAL	T.L.E.	---	---	---	0.022
37	RONALD E. GRECOR	T.L.E.	---	---	---	0.022
38	MATTHEW TUTAS	FEE, T.L.E.	0.005	---	0.005	0.026
39	RAYMOND J. & SHIRLEY M. PILON	FEE, T.L.E.	0.003	---	0.003	0.023
41	MATTHEW L. & SHARI ROGERS	FEE, T.L.E.	0.001	---	0.001	0.022
402	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS	---	---	---	---

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

LOCATION SKETCH



TRANS. PROJECT PLAT NO: 9560-02-21- 4.06, AMENDMENT NO. 1

ADDS PARCEL 402 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.06, RECORDED AS DOCUMENT NO. 738620 IN VOL TPP 1 ON PAGE 73

PART OF THIRD REVISION OF SHATTUCK'S ADDITION TO THE VILLAGE OF NIAGARA IN GOVERNMENT LOT 2 OF SECTION 15, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
BIRCH ST.	SHATTUCK'S 3RD REVISION	60'	1926

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT. RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

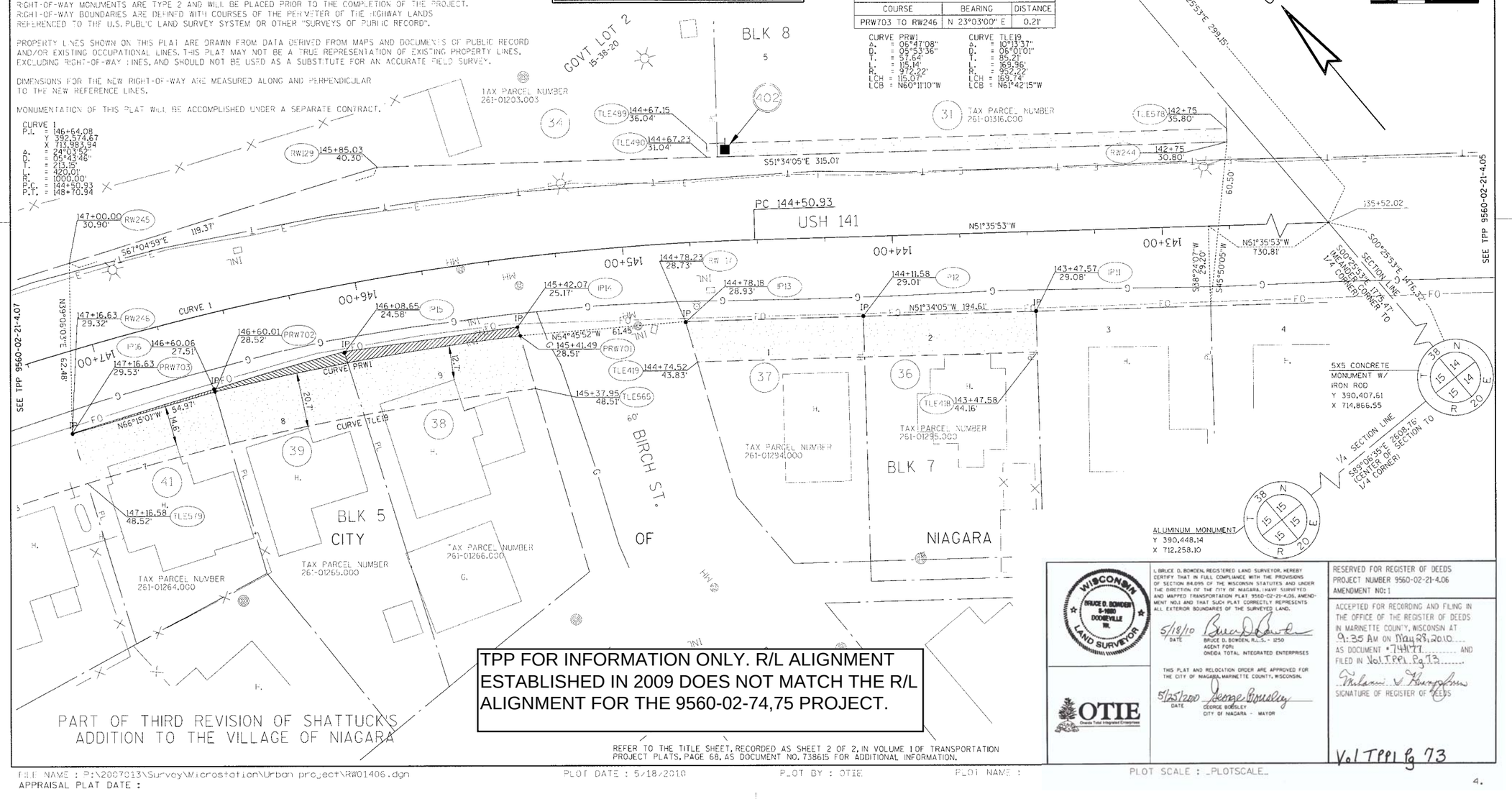
MEANDER CORNER
5X5 CONCRETE MONUMENT W/ COPPER PLUG
Y 392,183.03
X 714,853.18

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW703 TO RW246	N 23°03'00" E	0.21'

CURVE PRW1
Δ = 06°47'08"
D = 05°53'36"
T = 57.64'
L = 115.14'
R = 972.22'
LCH = 115.07'
LCB = N60°11'10"W

CURVE TLE19
Δ = 10°13'37"
D = 08°01'01"
T = 85.21'
L = 169.96'
R = 952.22'
LCH = 169.74'
LCB = N61°42'15"W

CURVE 1
P.I. = 146+64.08
Y 392,574.67
X 713,983.94
Δ = 24°03'52"
D = 05°43'46"
T = 213.15'
L = 420.01'
R = 1000.00'
P.C. = 144+50.93
P.T. = 148+70.94



TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

WISCONSIN BRUCE D. BOWDEN S-1250 DODGEVILLE WI. LAND SURVEYOR

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.06, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
GEORGE BOWSLEY
CITY OF NIAGARA - MAYOR

OTIE Oneida Total Integrated Enterprises

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.06
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:35 AM ON May 28, 2010 AS DOCUMENT # 744177 AND FILED IN Vol TPP1 Pg 73

SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg 73

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01406.dgn
PLOT DATE : 5/18/2010 PLOT BY : OTIE PLOT NAME : PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

4.

TRANSPORTATION PROJECT PLAT NO: 9560-02-21- 4.07

PART OF THIRD REVISION OF SHATTUCK'S ADDITION TO THE VILLAGE OF NIAGARA IN GOVERNMENT LOT 1 AND GOVERNMENT LOT 2 OF SECTION 15, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:

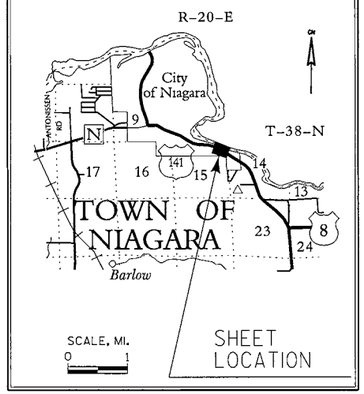
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	T.L.E. ACRES
42	BRIAN W. HURKMANS	FEE, T.L.E.	0.0004	---	0.0004	0.024
43	MICHAEL & HELEN M. DARNE, ETAL	FEE, T.L.E.	0.002	---	0.002	0.023
44	JAMES M. KINSELLA	T.L.E.	---	---	---	0.027
46	LIANNE M. HANSEN	T.L.E.	---	---	---	0.014
47	SANDRA S. TRUNFIO	T.L.E.	---	---	---	0.047

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

LOCATION SKETCH



HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
MAPLE ST.	SHATTUCK'S 3RD REVISION	60'	1926

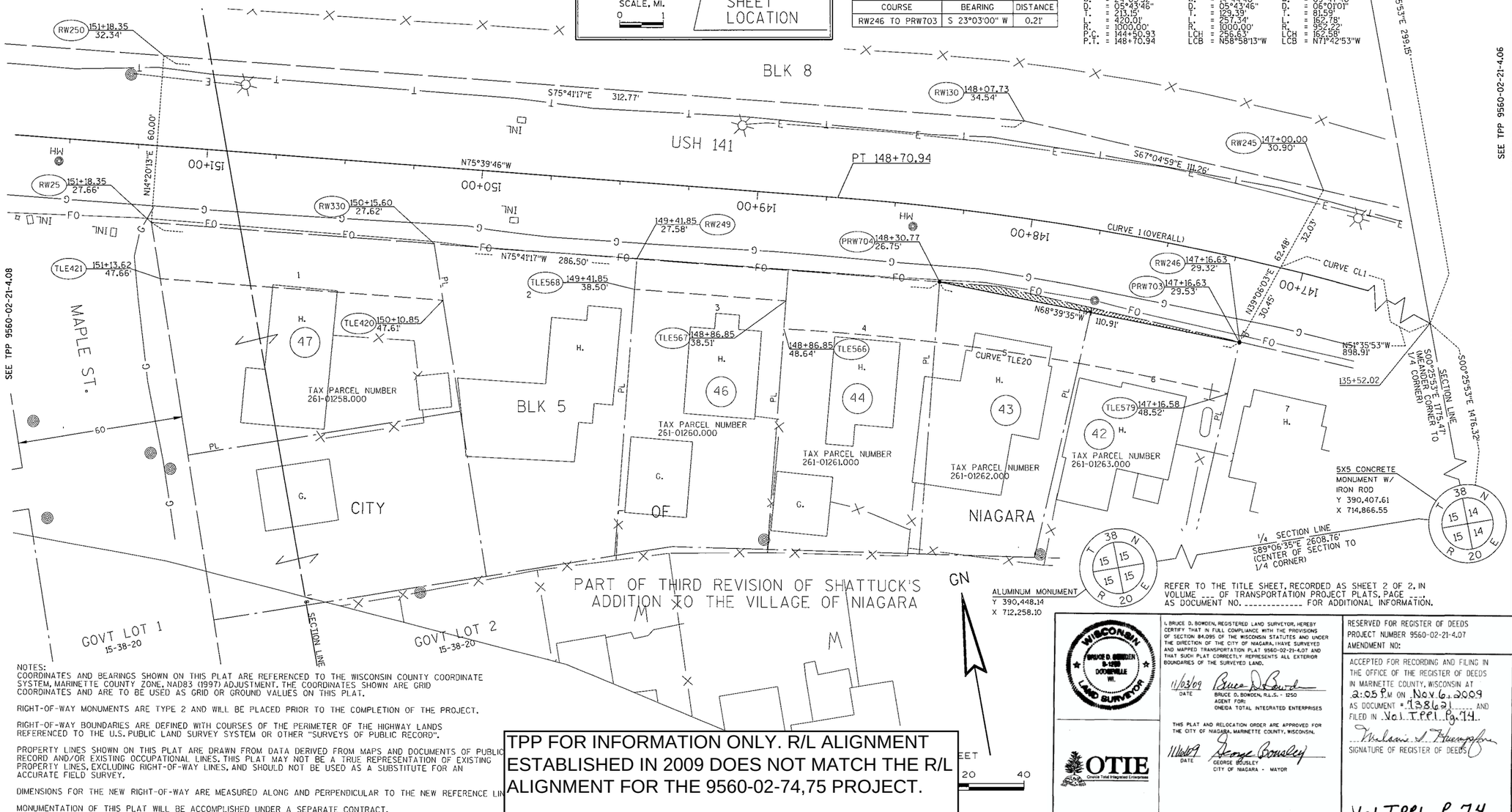
MEANDER CORNER
5X5 CONCRETE MONUMENT W/ COPPER PLUG
Y 392,183.03
X 714,853.18

COURSE TABLE		
COURSE	BEARING	DISTANCE
RW246 TO PRW703	S 23°03'00" W	0.21'

CURVE 1
P.I. = 146+64.08
Y 392,574.67
X 713,983.94
Δ. = 24°03'52"
D. = 05°43'46"
T. = 213.15'
L. = 420.01'
R. = 1000.00'
P.C. = 144+50.93
P.T. = 148+70.94

CURVE CL1
Δ. = 14°44'40"
D. = 05°43'46"
T. = 129.39'
L. = 257.34'
R. = 1000.00'
LCH = 256.63'
LCB = N58°58'13"W

CURVE TLE20
Δ. = 09°47'40"
D. = 06°01'01"
T. = 81.59'
L. = 162.78'
R. = 952.22'
LCH = 162.58'
LCB = N71°42'53"W



NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

DIMENSIONS FOR THE NEW RIGHT-OF-WAY ARE MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LIN

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME ___ OF TRANSPORTATION PROJECT PLATS, PAGE ___ AS DOCUMENT NO. ---------- FOR ADDITIONAL INFORMATION.

WISCONSIN BRUCE D. BOWDEN S-1250 DODGEVILLE WI. LAND SURVEYOR

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

11/03/09 DATE
Bruce D. Bowden
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

11/06/09 DATE
George Bousley
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

OTIE Oneida Total Integrated Enterprises

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.07
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 2:05 P.M. ON Nov. 6, 2009 AS DOCUMENT # 1381621 AND FILED IN Vol TPP1 Pg 74.

Melanie S. Thompson
SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg 74

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01407.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 11/2/2009
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_

4.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	T.L.E. ACRES
48	MICHAEL D. BROWN & TIFFANY M. WROBLESKI	T.L.E.	---	---	---	0.005
49	JOSEPH D. THOMSON, LEONA PICHE, ETAL	FEE, T.L.E.	0.004	---	0.004	0.019
51	MICHAEL H. & BARBARA A. WESTRICH	FEE, T.L.E.	0.011	---	0.011	0.016
52	MICHAEL T. & DIXIE L. YOUNGS	FEE, T.L.E.	0.007	---	0.007	0.019
400	NIAGARA TELEPHONE COMPANY	RELEASE OF RIGHTS	---	---	---	---

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

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

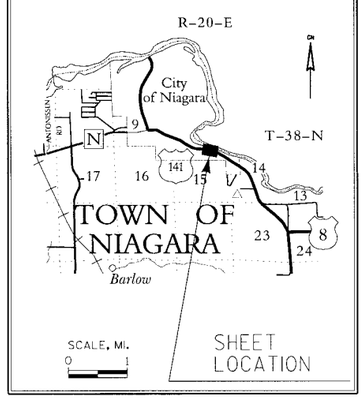
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

LOCATION SKETCH



TRANS. PROJECT PLAT NO: 9560-02-21- 4.08, AMENDMENT NO. 1

ADDS PARCEL 400 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.08, RECORDED AS DOCUMENT NO. 738622 IN VOL TPP 1 ON PAGE 75

PART OF THIRD REVISION OF SHATTUCK'S ADDITION TO THE VILLAGE OF NIAGARA IN GOVERNMENT LOT 1 OF SECTION 15, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

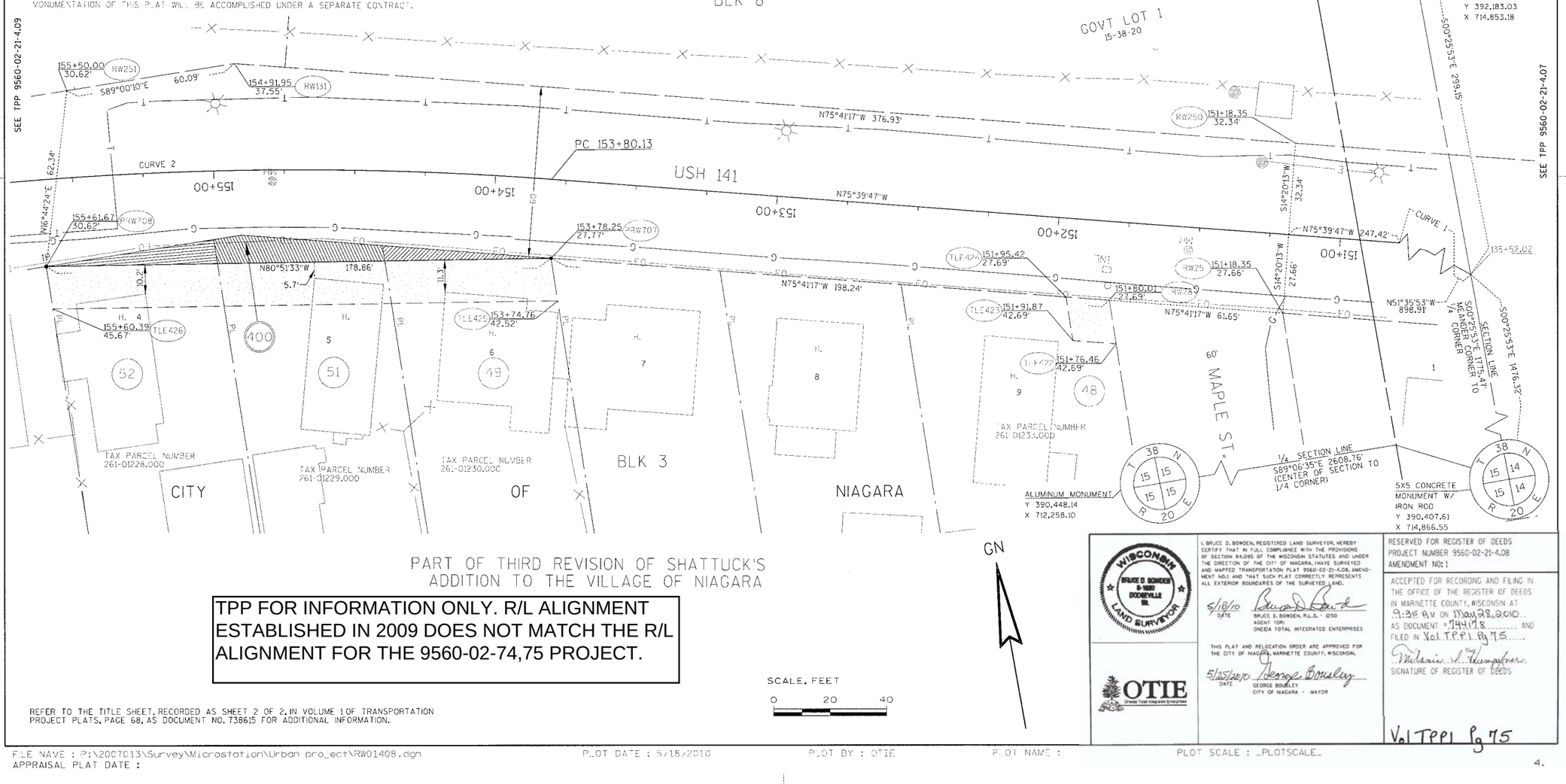
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
MAPLE ST.	SHATTUCK'S 3RD REVISION	60'	1926

CURVE 1
P.I. = 146+64.08
Y 392,674.67
X 713,383.94
Δ = 24°03'52"
D = 05°43'46"
T = 213.15'
L = 420.01'
R = 1000.00'
P.C. = 144+50.93
P.T. = 148+70.94

CURVE 2
P.I. = 155+20.46
Y 392,788.29
X 713,148.15
Δ = 13°20'23"
D = 04°46'29"
T = 140.33'
L = 279.39'
R = 1200.00'
P.C. = 153+80.13
P.T. = 156+59.52



TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.08, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
GEORGE BOWLEY
CITY OF NIAGARA - MAYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.08
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:35 A.M. ON May 28, 2010 AS DOCUMENT # 744178 AND FILED IN Vol TPP1 Pg 75

SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg 75

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01408.dgn
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

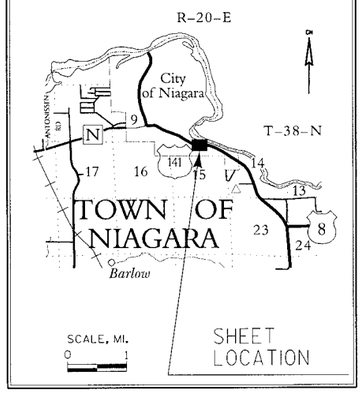
4.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES
53	CRAIG & CAMERON SECKINGER	T.L.E.	---	---	---	0.002
54	GARY L. NICHOLS JR.	T.L.E.	---	---	---	0.002
55	RUTH JOY VANDERWARF TRUST	FEE, T.L.E.	0.0003	---	0.0003	0.016
56	BEVERLY TRULOCK	FEE, T.L.E.	0.004	---	0.004	0.017
57	GUY E. & JANET M. DECREMER	T.L.E.	---	---	---	0.025
58	DONNA W. JOHNSON	T.L.E.	---	---	---	0.019
59	GUY E. & JANET M. DECREMER	T.L.E.	---	---	---	0.029
61	PATRICK M. GRIERSON	T.L.E.	---	---	---	0.024
62	GAIL A. THORSEN	T.L.E.	---	---	---	0.017
63	SCOTT M. & VIRGINIA VANCOURT	T.L.E.	---	---	---	0.021
400	NIAGARA TELEPHONE COMPANY	RELEASE OF RIGHTS	---	---	---	---
404	NIAGARA COMMUNITY TV COOP.	RELEASE OF RIGHTS	---	---	---	---

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

LOCATION SKETCH



TRANS. PROJECT PLAT NO: 9560-02-21- 4.09, AMENDMENT NO. 1

ADDS BUILDING OFFSET ON PARCEL 56 AND ADDS PARCELS 400 & 404 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.09, RECORDED AS DOCUMENT NO. 738623 IN VOL TPP 1 ON PAGE 76

PART OF THIRD REVISION OF SHATTUCK'S ADDITION TO THE VILLAGE OF NIAGARA IN GOVERNMENT LOT 1 OF SECTION 15, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.

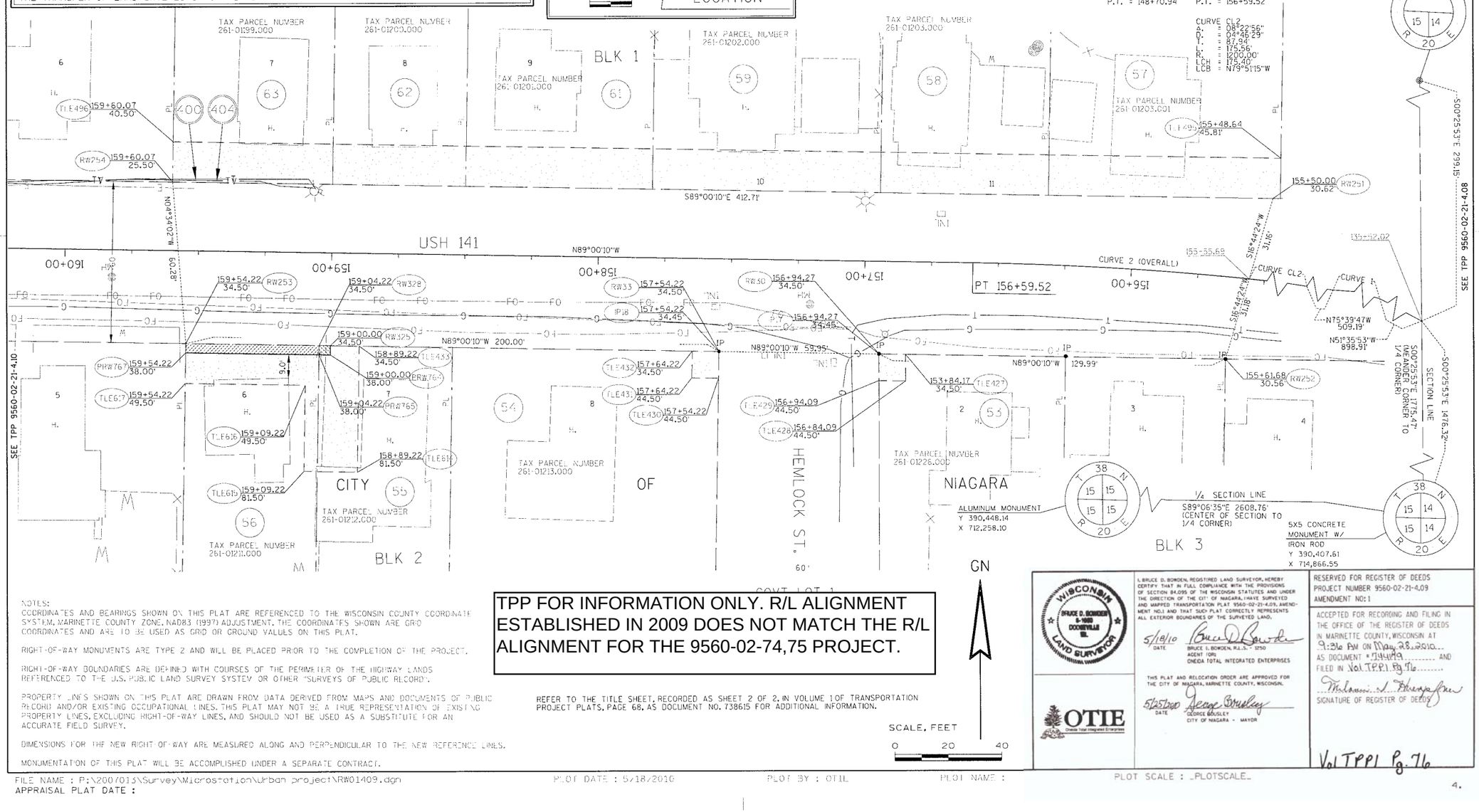
HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
HEMLOCK ST.	SHATTUCK'S 3RD RVSN.	60'	1926

CURVE 1
P.I. = 146+64.08
Y 392,574.67
X 713,983.94
Δ. = 24°03'52"
D. = 05°43'46"
T. = 213.15'
L. = 420.01'
R. = 1000.00'
P.C. = 144+50.93
P.T. = 148+70.94

CURVE 2
P.I. = 155+20.46
Y 392,788.29
X 713,148.15
Δ. = 13°20'23"
D. = 04°46'29"
T. = 140.33'
L. = 279.33'
R. = 1200.00'
P.C. = 153+80.13
P.T. = 156+59.52

CURVE CL2
Δ. = 08°22'56"
D. = 04°46'29"
T. = 87.54'
L. = 175.56'
R. = 1200.00'
LCH = 175.40'
LCB = N79°51'15"W

5X5 CONCRETE MONUMENT W/ COPPER PLUG
Y 392,183.03
X 714,853.18



TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

GN

SCALE, FEET
0 20 40

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

WISCONSIN BRUCE D. BOWDEN S-1250 DODGEVILLE WI LAND SURVEYOR

OTIE Oneida Total Integrated Enterprises

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.09, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.09
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:31 AM ON May 28, 2010 AS DOCUMENT # 744149 AND FILED IN Vol TPP1 Pg 76

SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg. 76

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01409.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 5/18/2010
PLOT BY : OTIL
PLOT NAME :
PLOT SCALE : _PLOTSCALE_

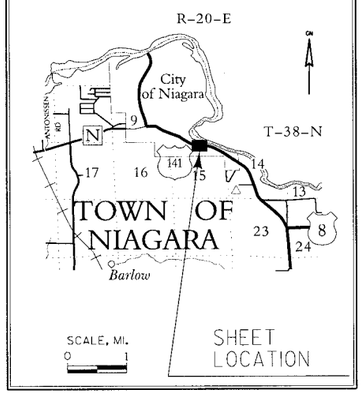
4.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES
64	ORVILLE & JUDITH BROOKS	T.L.E.	---	---	---	0.044
66	WARREN J. & JEAN M. LARSON	T.L.E.	---	---	---	0.037
67	JAMES M. KINSELLA	T.L.E.	---	---	---	0.030
68	WAYNE J. GMEINER & PATTI L. STEVENS	T.L.E.	---	---	---	0.032
69	SALLY A. NAULT	T.L.E.	---	---	---	0.026
71	MARIE I. & TERESE N. GOODSON	T.L.E.	---	---	---	0.028
72	MARTIN R. JOHNSON	FEE-TLE	0.008	---	0.008	0.024
73	HAROLD D. & MARY C. MARKHAM	FEE-TLE	0.005	---	0.005	0.029
74	JOSEPH P. STERN	T.L.E.	---	---	---	0.014
76	TIMOTHY C. & TAMMY C. WALLACE	T.L.E.	---	---	---	0.021
77	BRETT W. & DEBORAH S. HABING	T.L.E.	---	---	---	0.020
78	PARAN INVESTMENTS, LLC	T.L.E.	---	---	---	0.016
79	HELEN ZUKOWSKI	T.L.E.	---	---	---	0.016
400	NIAGARA TELEPHONE COMPANY	RELEASE OF RIGHTS	---	---	---	---
402	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS	---	---	---	---
404	NIAGARA COMMUNITY TV COOP.	RELEASE OF RIGHTS	---	---	---	---

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

LOCATION SKETCH



TRANS. PROJECT PLAT NO: 9560-02-21- 4.10, AMENDMENT NO. 1

ADDS BUILDING OFFSETS TO PARCELS 72 AND 73 AND ADDS PARCELS 400, 402 & 404 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.10, RECORDED AS DOCUMENT NO. 738624 IN VOL TPP 1 ON PAGE 77

PART OF THIRD REVISION OF SHATTUCK'S ADDITION TO THE VILLAGE OF NIAGARA IN GOVERNMENT LOT 1 OF SECTION 15, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES.

SCALE, FEET
0 20 40

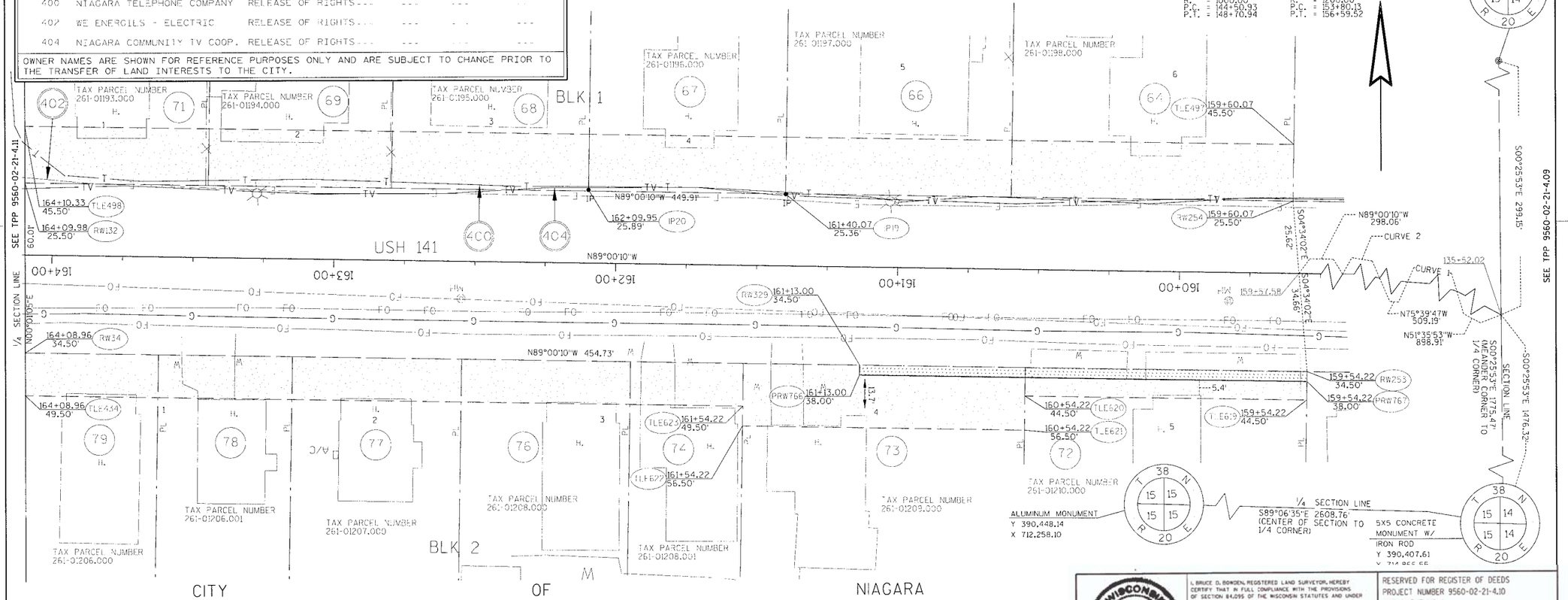
HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953

CURVE 1
P.I. = 146+64.08
Y 392,574.67
X 713,983.94
Δ = 24°03'52"
D = 05°43'46"
T = 213.15'
L = 420.01'
R = 1000.00'
P.C. = 144+50.93
P.T. = 148+70.94

CURVE 2
P.I. = 155+20.46
Y 392,788.29
X 713,148.15
Δ = 13°20'23"
D = 04°46'29"
T = 140.33'
L = 279.39'
R = 1200.00'
P.C. = 153+80.13
P.T. = 156+59.52

5X5 CONCRETE MONUMENT W/ COPPER PLUG
Y 392,183.03
X 714,853.18

GN



NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

GOVT LOT 1
15-38-20

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

WISCONSIN BRUCE D. BOWDEN S-1250 DODGEVILLE WI. LAND SURVEYOR

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.10, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
GEORGE BRUSLEY
CITY OF NIAGARA - MAYOR

OTIE Oneida Total Integrated Enterprises

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.10
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:30 AM ON May 28, 2010 AS DOCUMENT # 744180 AND FILED IN Vol TPP 1 Pg 77

SIGNATURE OF REGISTER OF DEEDS

Vol TPP 1 Pg 77

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01410.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_

4.

TRANS. PROJECT PLAT NO: 9560-02-21- 4.11, AMENDMENT NO. 2

ADDS PARCELS 401 & 402 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.11, RECORDED AS DOCUMENT NO. 743561 IN VOL TPP 1 ON PAGE 78

PART OF BURDEN & McALLISTER'S SECOND ADDITION TO THE VILLAGE OF NIAGARA IN THE NE 1/4 OF THE NW 1/4 OF SECTION 15, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:

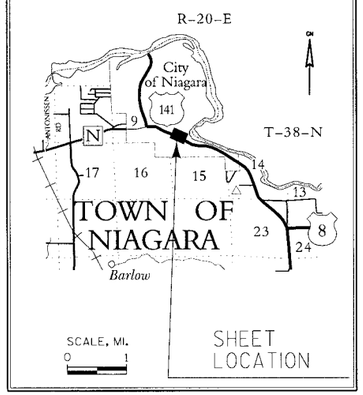
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES.

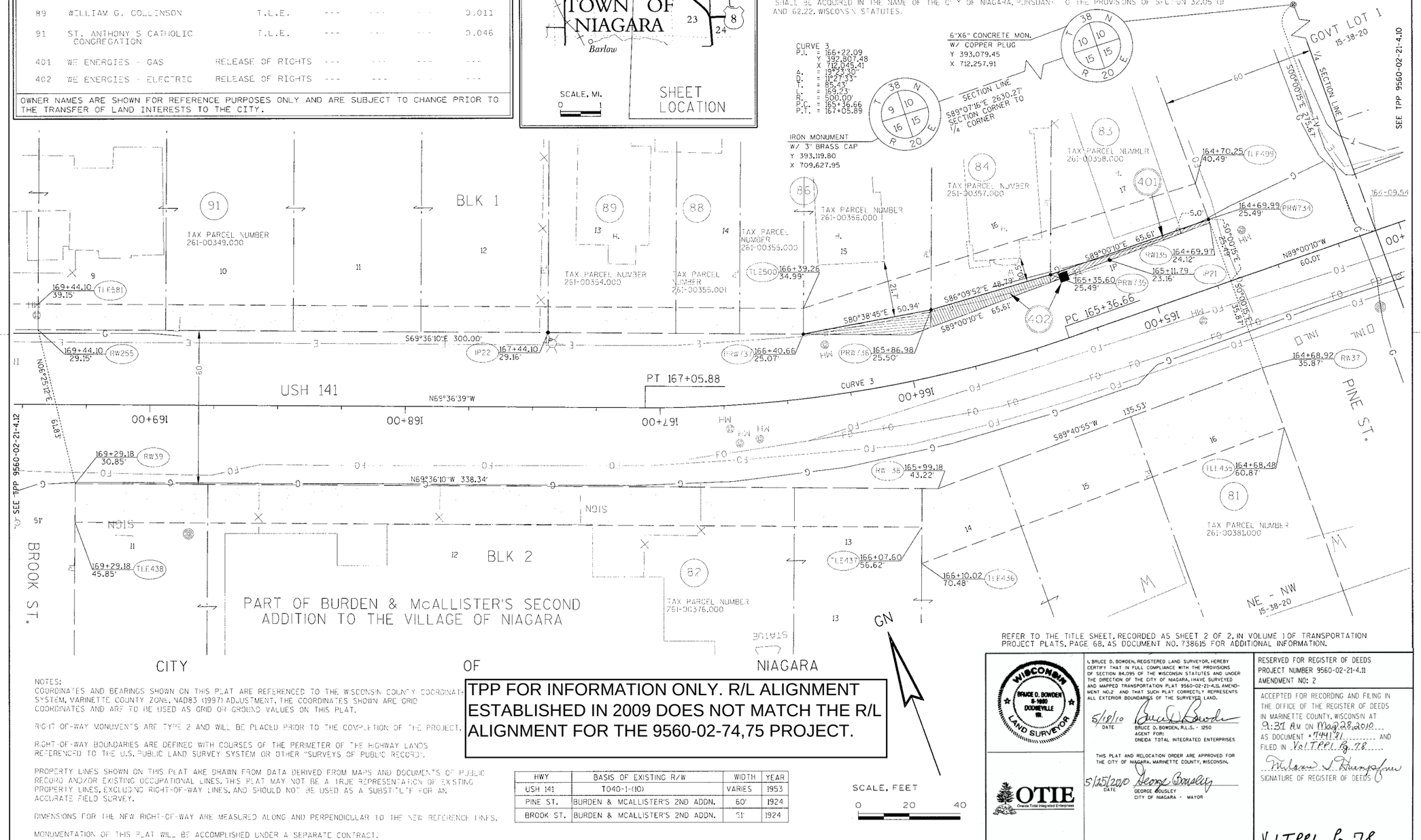
SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	T.L.E. ACRES
81	ST. ANTHONY'S CHURCH	T.L.E.	---	---	---	0.032
82	ST. ANTHONY S CONGREGATION	T.L.E.	---	---	---	0.199
83	THOMAS & TAMMY SIELAFF	FEE, T.L.E.	0.003		0.003	0.016
84	STANLEY J. LE MAY	FEE, T.L.E.	0.005	---	0.005	0.015
86	KAREN A., MICHAEL R. & JAMES H. PHILLIPS AND CYNTHIA ANN BOESEN	FEE, T.L.E.	0.005	---	0.005	0.021
88	WILLIAM G. COLLINSON	T.L.E.	---	---	---	0.006
89	WILLIAM G. COLLINSON	T.L.E.	---	---	---	0.011
91	ST. ANTHONY S CATHOLIC CONGREGATION	T.L.E.	---	---	---	0.046
401	WE ENERGIES - GAS	RELEASE OF RIGHTS	---	---	---	---
402	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS	---	---	---	---

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

LOCATION SKETCH





REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
PINE ST.	BURDEN & MCALLISTER'S 2ND ADDN.	60'	1924
BROOK ST.	BURDEN & MCALLISTER'S 2ND ADDN.	51'	1924

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

WISCONSIN BRUCE D. BOWDEN S-1450 DODGEVILLE WI LAND SURVEYOR

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.11, AMENDMENT NO.2 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

OTIE Oneida Total Integrated Enterprises

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.11
AMENDMENT NO: 2

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:31 AM ON May 28, 2010 AS DOCUMENT # 744121 AND FILED IN Vol TPP1 Pg. 78

SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg. 78

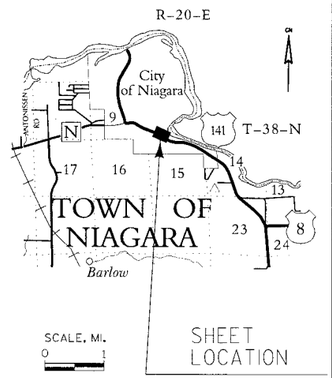
FILE NAME : P:\2007013\Survey\Microstation\Urban project\RWC1411.cgn
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES
91	ST. ANTHONY'S CATHOLIC CONGREGATION	T.L.E.	---	---	---	0.011
92	RONALD D. LINDLBAUER	FEE, T.L.E.	0.003	---	0.003	0.020
93	HOMER M. & DARLENE J. DUNKES	FEE, T.L.E.	0.003	---	0.003	0.020
94	ELAINE M. MOON	FEE, T.L.E.	0.003	---	0.003	0.020
96	SARAH E. MILLER	FEE, T.L.E.	0.006	---	0.006	0.052
98	RITA DUROW	FEE, T.L.E.	0.003	---	0.003	0.026
99	BRIAN S. LABAINE, KEVIN P. & LORI R. ROMITTI	FEE, T.L.E.	0.003	---	0.003	0.026
101	JAMES M. KINSELLA	FEE, T.L.E.	0.001	---	0.001	0.028
102	TANYA M. RADLEY & KEITH C. HOLMES	T.L.E.	---	---	---	0.016
103	UNITED PAPERWORKERS INTERNATIONAL #2	T.L.E.	---	---	---	0.029
104	UNITED PAPERWORKERS INTERNATIONAL #1	T.L.E.	---	---	---	0.011
106	ROBIN H. BOVEE, RANDY PILON, ETAL	FEE, T.L.E.	0.008	---	0.008	0.023
107	MARK L. BARKER	FEE, T.L.E.	0.008	---	0.008	0.029
108	DAVID C. ADAMS	FEE, T.L.E.	0.006	---	0.006	0.017
109	DAVID C. ADAMS	FEE, T.L.E.	0.001	---	0.001	0.026
111	KRIST OIL COMPANY	T.L.E.	---	---	---	0.024
112	KRIST OIL COMPANY	T.L.E.	---	---	---	0.032
401	WE ENERGIES - GAS	RELEASE OF RIGHTS	---	---	---	-

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

LOCATION SKETCH



COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW753 TO PRW739	S 69°36'39" E	361.45'
PRW739 TO PRW738	S 20°23'50" W	2.34'
PRW740 TO PRW753	S 69°36'39" E	15.40'

TRANS. PROJECT PLAT NO: 9560-02-21- 4.12, AMENDMENT NO. 2

ADDS BUILDING OFFSETS TO PARCELS 106, 107 & 108 AND ADDS PARCEL 401 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.12, RECORDED AS DOCUMENT NO. 743562 IN VOL TPP 1 ON PAGE 79

PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA IN THE SE 1/4 OF THE SW 1/4 OF SECTION 10 AND PART OF BURDEN & McALLISTER'S SECOND ADDITION TO THE VILLAGE OF NIAGARA IN THE NE 1/4 OF THE NW 1/4 OF SECTION 15, ALL IN TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.
RELOCATION ORDER USH 141, MARINETTE COUNTY - BUTTERS COURT TO MENOMINEE RIVER

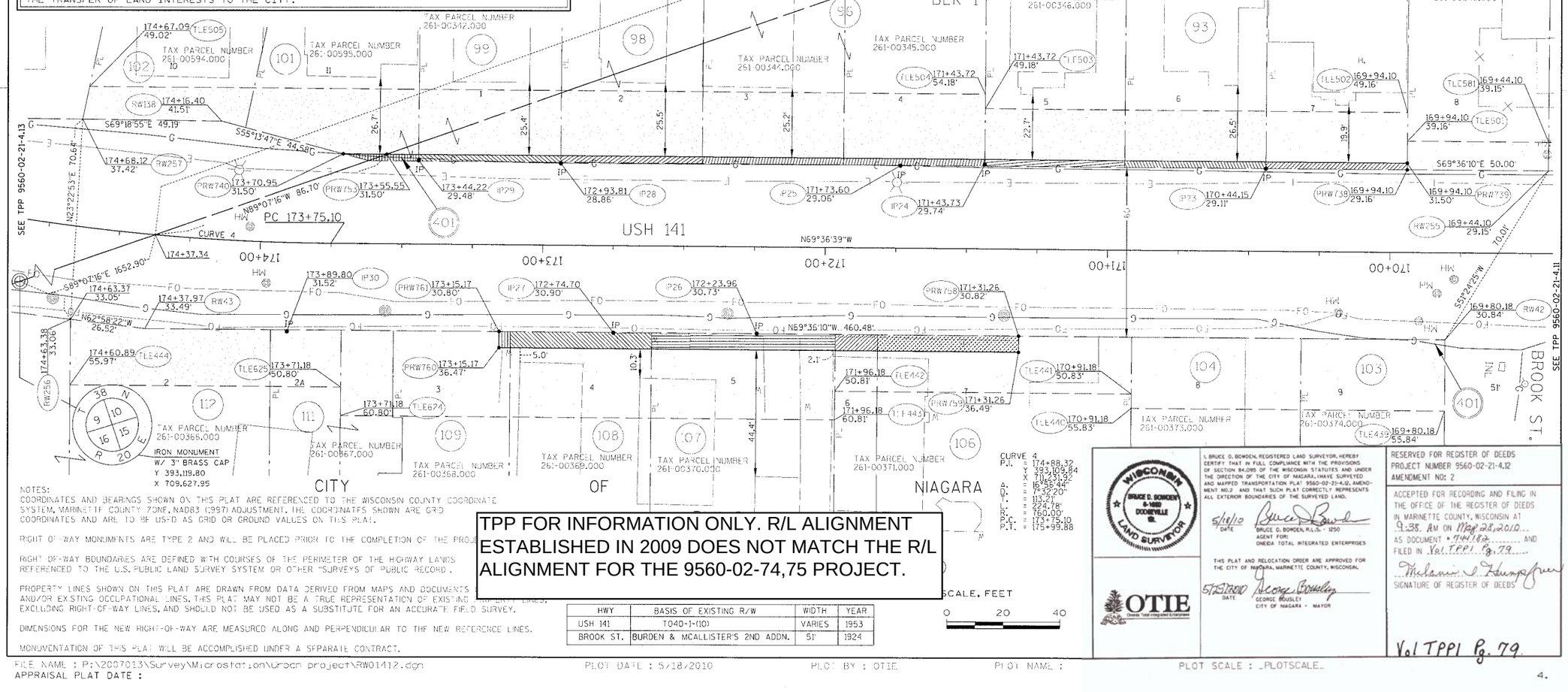
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES.

GN

PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.



NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJ

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".

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

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

SCALE, FEET
0 20 40

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
BROOK ST.	BURDEN & MCALLISTER'S 2ND ADDN.	51'	1924

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.12, AMENDMENT NO.2 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.12
AMENDMENT NO: 2

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:38 AM ON May 28, 2010
AS DOCUMENT # 744187 AND FILED IN Vol TPP1 Pg. 79
Melanie L Humphrey
SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg. 79

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01412.dgn
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

70079

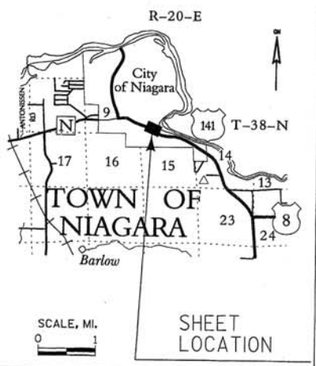
Doc#: 823541
RENEE MILLER
MARINETTE COUNTY
REGISTER OF DEEDS
June 14, 2018 1:51 PM
Fee Amount: $25.00

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	T.L.E. ACRES
91	ST. ANTHONY'S CATHOLIC CONGREGATION	T.L.E.	---	---	---	0.011
92	RONALD D. LINDLBAUER	FEE, T.L.E.	0.003	---	0.003	0.020
93	HOMER M. & DARLENE J. DUNKES	FEE, T.L.E.	0.003	---	0.003	0.020
94	ELAINE M. MOON	FEE, T.L.E.	0.003	---	0.003	0.020
96	SARAH E. MILLER	FEE, T.L.E.	0.006	---	0.006	0.052
98	RITA DUROW	FEE, T.L.E.	0.003	---	0.003	0.026
99	BRIAN S. LABAINE, KEVIN P. & LORI R. ROMITTI	FEE, T.L.E.	0.003	---	0.003	0.026
101	JAMES M. KINSELLA	FEE, T.L.E.	0.001	---	0.001	0.028
102	TANYA M. RADLEY & KEITH C. HOLMES	T.L.E.	---	---	---	0.016
103	UNITED PAPERWORKERS INTERNATIONAL #1	T.L.E.	---	---	---	0.029
104	UNITED PAPERWORKERS INTERNATIONAL #1	T.L.E.	---	---	---	0.011
~~106~~	~~ROBIN M. BOYCE, RANDY PILON, ETAL~~	~~FEE, T.L.E.~~	~~0.008~~	~~---~~	~~0.008~~	~~0.023~~
107	MARK L. BARKER	FEE, T.L.E.	0.008	---	0.008	0.029
108	DAVID C. ADAMS	FEE, T.L.E.	0.006	---	0.006	0.017
109	DAVID C. ADAMS	FEE, T.L.E.	0.001	---	0.001	0.026
111	KRIST OIL COMPANY	T.L.E.	---	---	---	0.024
112	KRIST OIL COMPANY	T.L.E.	---	---	---	0.032
401	WE ENERGIES - GAS	RELEASE OF RIGHTS	---	---	---	---

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

LOCATION SKETCH



TRANS. PROJECT PLAT NO: 9560-02-21- 4.12, AMENDMENT NO. 3

REMOVE PARCEL 106 FEE AND TLE ACRES FROM TRANSPORTATION PROJECT PLAT 9560-02-21, 4.12, AMENDMENT #2 RECORDED AS DOCUMENT NO. 744182 IN VOLUME TPP1 PG. 79

PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA IN THE SE 1/4 OF THE SW 1/4 OF SECTION 10 AND PART OF BURDEN & McALLISTER'S SECOND ADDITION TO THE VILLAGE OF NIAGARA IN THE NE 1/4 OF THE NW 1/4 OF SECTION 15, ALL IN TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

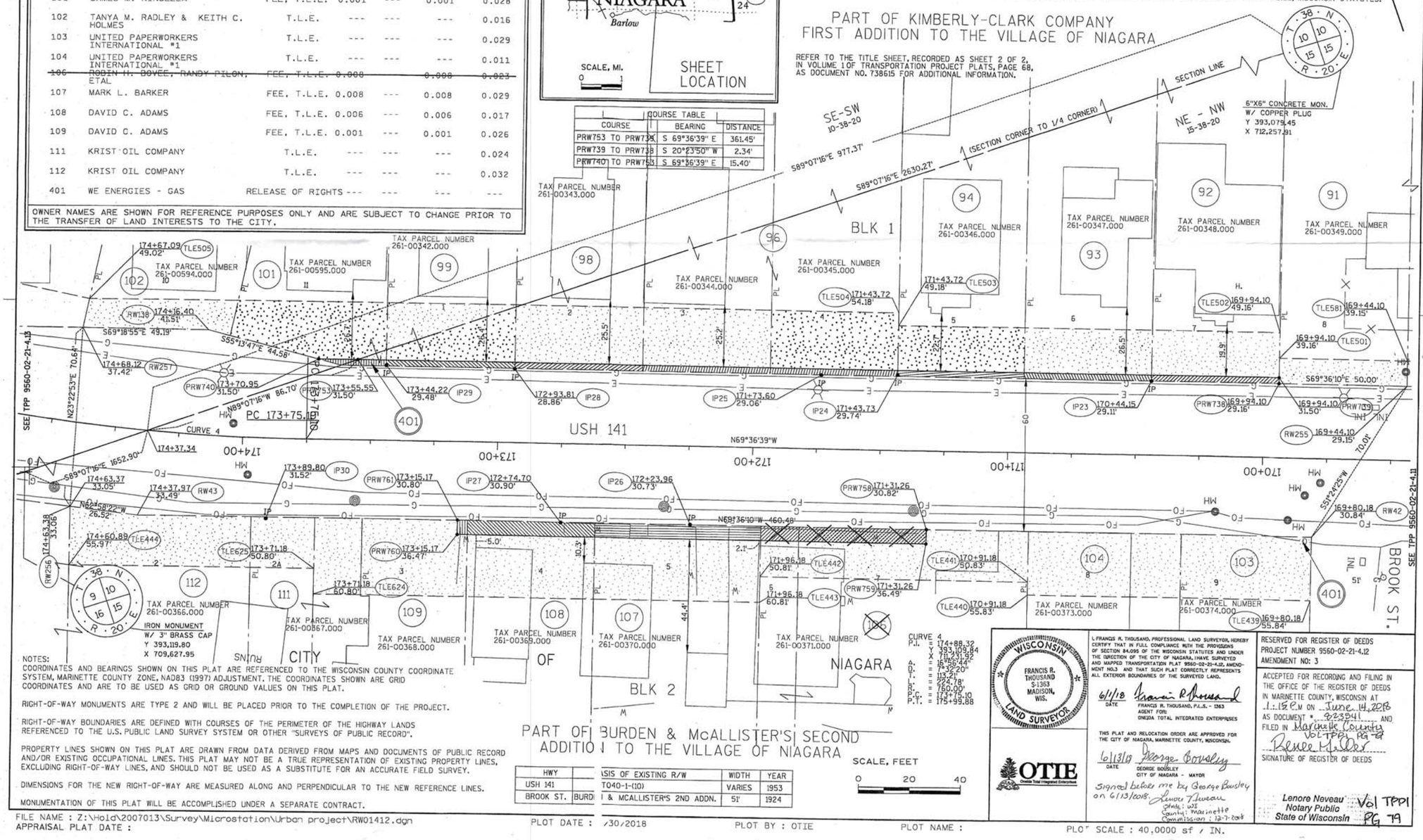
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.

PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW753 TO PRW738	S 69°36'39" E	361.45'
PRW739 TO PRW738	S 20°23'50" W	2.34'
PRW740 TO PRW753	S 69°36'39" E	15.40'



CURVE 4	
P.I.	= 174+88.32
	Y 393,109.84
	X 711,791.92
Δ	= 16°56'44"
D	= 7°32'20"
L	= 113.21'
T	= 56.78'
R	= 760.00'
P.C.	= 173+75.10
P.T.	= 175+88.88

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

PART OF BURDEN & McALLISTER'S SECOND ADDITION TO THE VILLAGE OF NIAGARA

SCALE, FEET 0 20 40

HWY		BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141		T040-1-(10)	VARIES	1953
BROOK ST.	BURDEN & McALLISTER'S 2ND ADDN.		51'	1924

WISCONSIN FRANCIS R. THOUSAND S-1363 MADISON, WIS. LAND SURVEYOR

I, FRANCIS R. THOUSAND, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.12, AMENDMENT NO.3 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

6/11/18 DATE — Francis R. Thousand
FRANCIS R. THOUSAND, P.L.S. - 1363
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

6/13/18 DATE — George Bousley
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

Signed before me by George Bousley on 6/13/2018. Lenore Neveau
State: WI
County: Marinette
Commission: 12-7-2018

OTIE Oneida Total Integrated Enterprises

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.12
AMENDMENT NO: 3

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 1:15 P.M ON June 14, 2018 AS DOCUMENT # 823541 AND FILED IN Marinette County VOL TPP1 PG 78
Renee Miller
SIGNATURE OF REGISTER OF DEEDS

Lenore Neveau Notary Public State of Wisconsin Vol TPP1 PG 79

FILE NAME : Z:\Hold\2007013\Survey\Microstation\Urban project\RW01412.dgn
APPRAISAL PLAT DATE :
PLOT DATE : /30/2018
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : 40.0000 sf / IN.

SCHEDULE OF LANDS & INTERESTS REQUIRED

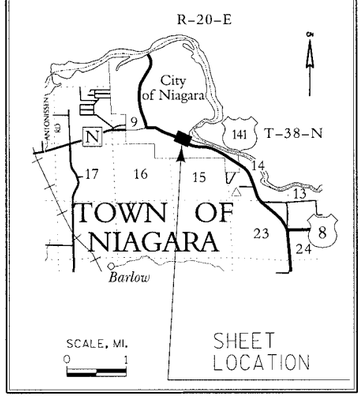
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	T.L.E. ACRES
113	STORA ENSO NORTH AMERICA CORP	T.L.E.	---	---	---	0.019
114	PAUL LINDSTROM	T.L.E.	---	---	---	0.055
116	STORA ENSO NORTH AMERICA CORP	T.L.E.	---	---	---	0.009
401	WE ENERGIES - GAS	RELEASE OF RIGHTS	---	---	---	---

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

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
CLARK ST.	KIMBERLY-CLARK CO 1ST ADDN.	33'	1914

LOCATION SKETCH



TRANS. PROJECT PLAT NO: 9560-02-21- 4.13, AMENDMENT NO. 1

ADDS PARCEL 401 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.13, RECORDED AS DOCUMENT NO. 738627 IN VOL TPP 1 ON PAGE 80

PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA IN THE SE 1/4 OF THE SW 1/4 AND THE SW 1/4 OF THE SW 1/4 OF SECTION 10, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

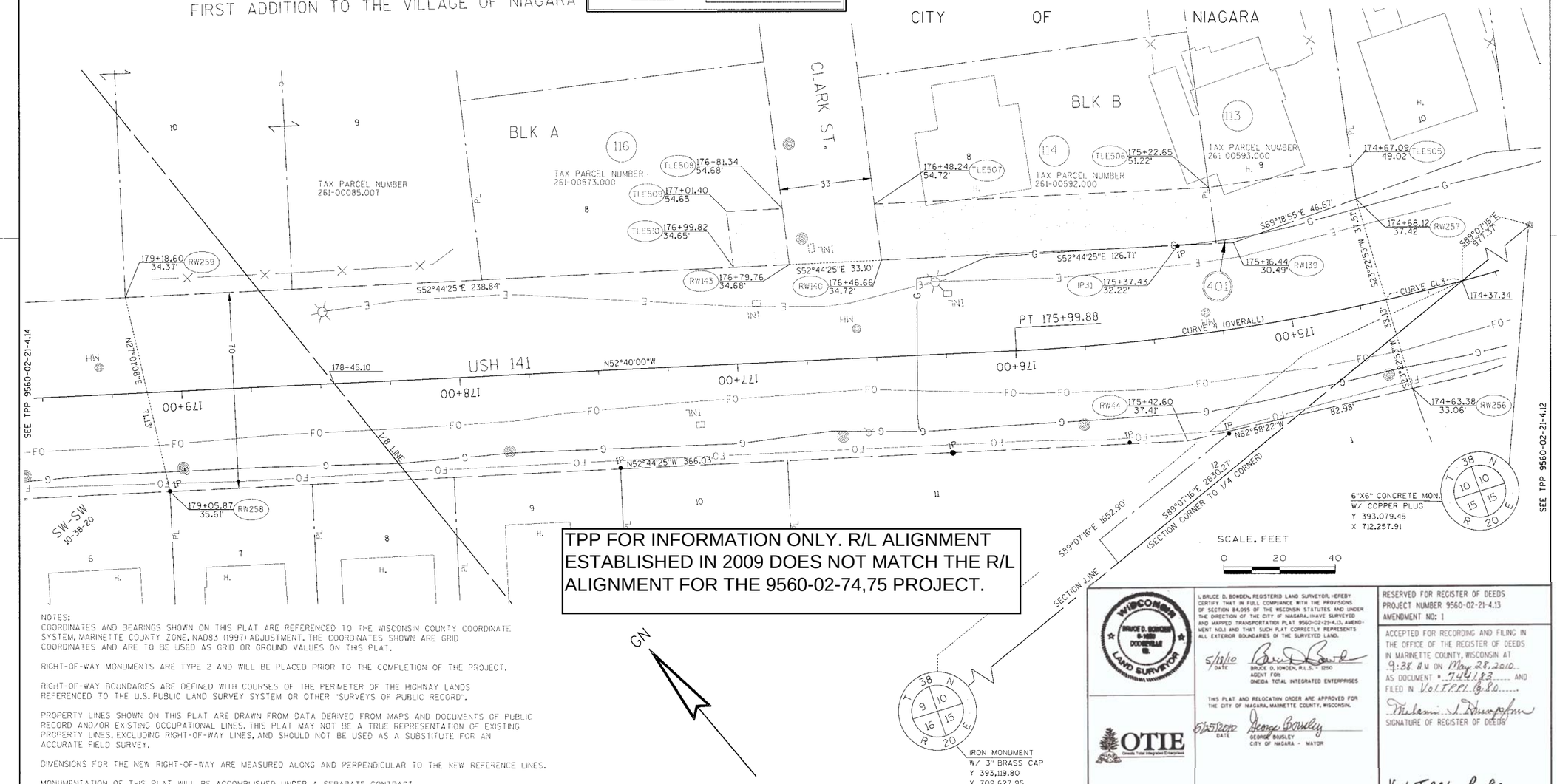
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.

CURVE 4
P.I. = 174+88.32
Y 393,109.84
X 711,431.92
Δ = 16°56'44"
D = 7°32'20"
T = 113.21'
L = 224.78'
R = 760.00'
P.C. = 173+75.10
P.T. = 175+99.88

CURVE CL3
Δ = 02°07'20"
D = 07°32'20"
T = 14.08'
L = 28.15'
R = 760.00'
LCH = 28.15'
LCB = N63°51'33"W

PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA



TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.13, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/15/10 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
GEORGE BOWLEY
CITY OF NIAGARA - MAYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.13
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:38 AM ON May 28, 2010 AS DOCUMENT # 744183 AND FILED IN Vol TPP1 Pg 80

SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg 80

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01413.dgn
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

SCHEDULE OF LANDS & INTERESTS REQUIRED

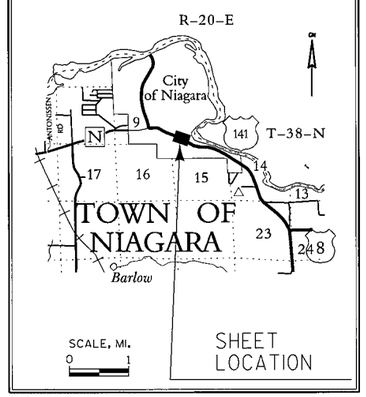
PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES
117	EDWARD F. JR. & MARSHA I. SONNENBERG	T.L.E.	---	---	---	0.016
118	PERRY JACOBS REALTY, LLC	T.L.E.	---	---	---	0.051

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

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME ___ OF TRANSPORTATION PROJECT PLATS, PAGE ___, AS DOCUMENT NO. _____ FOR ADDITIONAL INFORMATION.

CURVE 5	CURVE CL4	CURVE RW20	CURVE TLE21
P.I. = 183+37.62	Δ. = 12°15'14"	Δ. = 3°15'30"	Δ. = 3°14'51"
Y 393,625.90	D. = 7°32'20"	D. = 3°50'35"	D. = 3°52'08"
X 710,555.31	T. = 81.58'	T. = 42.41'	T. = 41.98'
Δ. = 17°49'13"	L. = 162.54'	L. = 84.79'	L. = 83.94'
D. = 3°31'33"	R. = 760.00'	R. = 1490.89'	R. = 1480.89'
T. = 254.76'	LCH = 162.23'	LCH = 84.78'	LCH = 83.93'
L. = 505.41'	LCB = N58°47'37"W	LCB = N54°22'11"W	LCB = N54°21'51"W
R. = 1625.00'			
P.C. = 180+82.85			
P.T. = 185+88.26			

LOCATION SKETCH



TRANSPORTATION PROJECT PLAT NO: 9560-02-21- 4.14

PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA IN THE SW 1/4 OF THE SW 1/4 OF SECTION 10, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

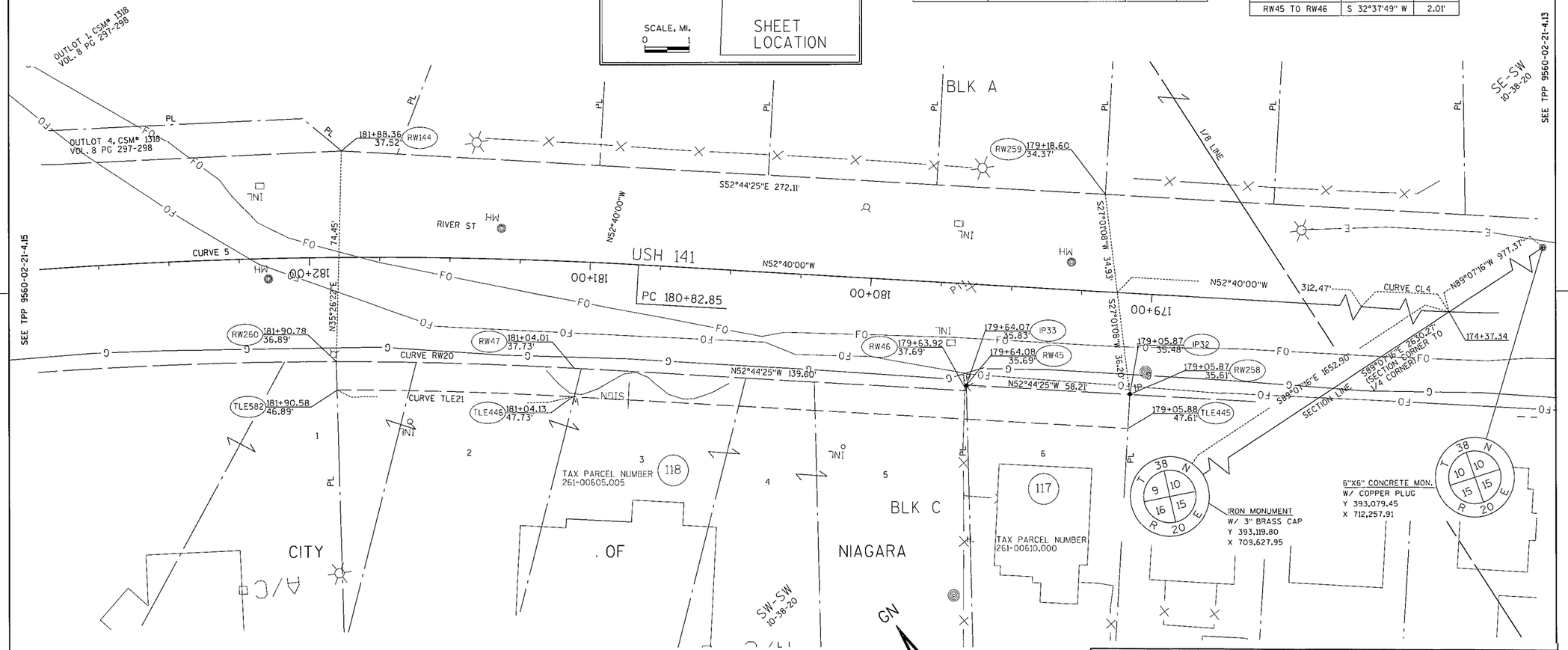
RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953

COURSE TABLE		
COURSE	BEARING	DISTANCE
RW45 TO RW46	S 32°37'49" W	2.01'



NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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

DIMENSIONS FOR THE NEW RIGHT-OF-WAY ARE MEASURED ALONG AND PERPENDICULAR TO THE

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

PART OF KIMBERLY-CLARK COMPANY
FIRST ADDITION TO THE VILLAGE OF NIAGARA

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

SCALE, FEET
0 20 40

WISCONSIN BRUCE D. BOWDEN E-1250 DOSSVILLE WI. LAND SURVEYOR

OTIE Oneida Total Integrated Enterprises

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.14 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

11/03/09 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

11/4/09 DATE
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.14
AMENDMENT NO:

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 2:11 P.M ON Nov. 6, 2009 AS DOCUMENT # 1381628 AND FILED IN Vol TPP1 Pg. 81

SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg 81

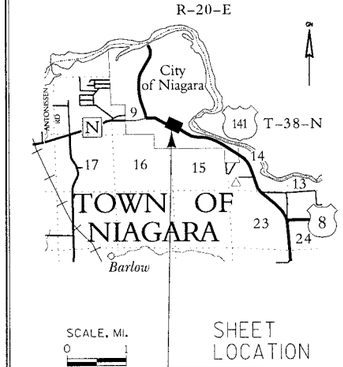
FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01414.dgn
PLOT DATE : 11/2/2009
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES
119	CONSTRUCTION RESOURCES, LLC	FEE, T.L.E.	0.007	---	0.007	0.079
120	NIAGARA WASH LLC	FEE, T.L.E.	0.003	---	0.003	0.058
121	STORA ENSO NORTH AMERICA CORP	T.L.E.	---	---	---	0.007
400	NIAGARA TELEPHONE COMPANY	RELEASE OF RIGHTS	---	---	---	---
402	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS	---	---	---	---

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

LOCATION SKETCH



TRANS. PROJECT PLAT NO: 9560-02-21- 4.15, AMENDMENT NO. 1

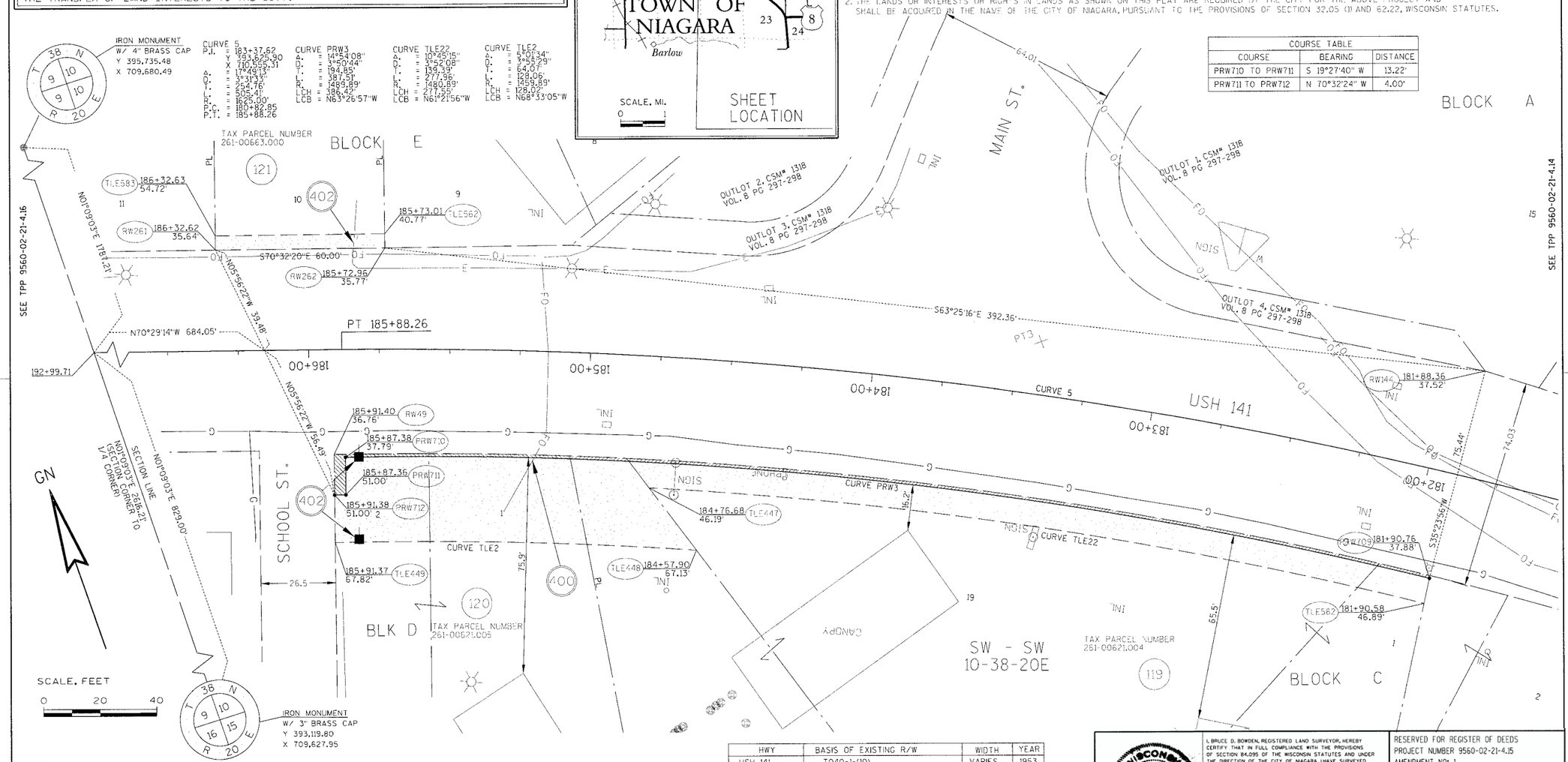
ADDS BUILDING OFFSETS TO PARCELS 119 & 120 AND ADDS PARCELS 400 & 402 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.15, RECORDED AS DOCUMENT NO. 738629 IN VOL TPP 1 ON PAGE 82

PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA IN THE SW 1/4 OF THE SW 1/4 OF SECTION 10, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.



COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW710 TO PRW711	S 19°27'40" W	13.22'
PRW711 TO PRW712	N 70°32'24" W	4.00'

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
MAIN ST.	KIMBERLEY-CLARK CO. 1ST ADDN.	64'	1914
SCHOOL ST.	KIMBERLEY-CLARK CO. 1ST ADDN.	26.5'	1914

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

WISCONSIN BRUCE D. BOWDEN S-1250 DODGEVILLE WI. LAND SURVEYOR

OTIE Oneida Total Integrated Enterprises

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.15, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE
Bruce D. Bowden
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
George Bousley
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.15
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:39 AM ON May 28, 2010 AS DOCUMENT # 744184 AND FILED IN Vol TPP1 Pg. 82

Melanie J. Thompson
SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg. 82

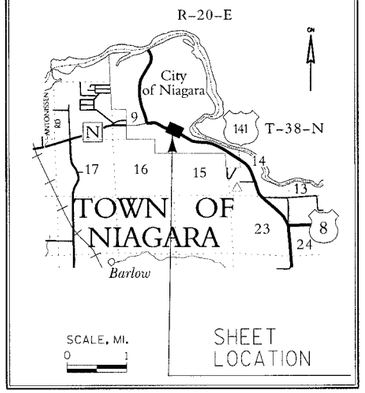
FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01415.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES
122	JEFF FAUGHT	FEE, T.L.E.	0.0003	---	0.0003	0.016
123	TODD M. & PATRICIA L. BRASURE	T.L.E.	---	---	---	0.014
124	MARILYN T. GRAHAM	T.L.E.	---	---	---	0.014
125	JAMES E. SANICKI	T.L.E.	---	---	---	0.014
126	JOHN & PATRICIA BUTLER	T.L.E.	---	---	---	0.014
127	CATHERINE A. KAY	T.L.E.	---	---	---	0.014
128	TERRY D. BAUMANN	T.L.E.	---	---	---	0.014
129	STORA ENSO NORTH AMERICA CORP.	T.L.E.	---	---	---	0.007
131	STORA ENSO NORTH AMERICA CORP.	T.L.E.	---	---	---	0.007
132	ANDRIA R. BATH & DANIEL C. ANTONINI	T.L.E.	---	---	---	0.005
133	STORA ENSO NORTH AMERICA CORP.	T.L.E.	---	---	---	0.009
134	STORA ENSO NORTH AMERICA CORP.	T.L.E.	---	---	---	0.012
401	WE ENERGIES - GAS	RELEASE OF RIGHTS	---	---	---	---

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

LOCATION SKETCH



TRANS. PROJECT PLAT NO: 9560-02-21- 4.16, AMENDMENT NO. 1

ADDS PARCEL 401 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.16, RECORDED AS DOCUMENT NO. 738630 IN VOL TPP 1 ON PAGE 83

PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA IN THE SW 1/4 OF THE SW 1/4 OF SECTION 10, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

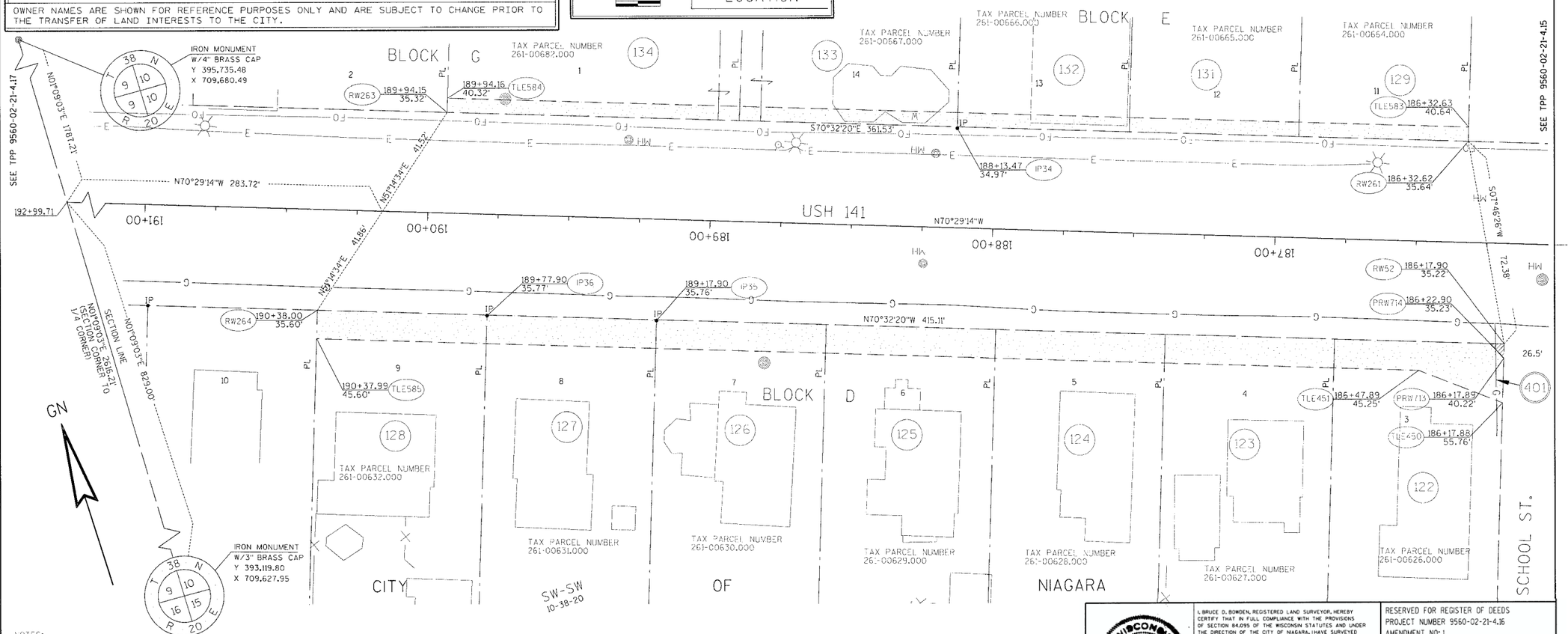
RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
SCHOOL ST.	KIMBERLEY-CLARK CO. 1ST ADDN.	26.5'	1914

COURSE TABLE		
COURSE	BEARING	DISTANCE
RW52 TO PRW713	S19°27'39"W	5.00'
PRW713 TO PRW714	N25°32'21"W	7.07'



NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

SCALE, FEET
0 20 40

WISCONSIN BRUCE D. BOWDEN S-1250 DODGEVILLE WI LAND SURVEYOR

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.16, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR: ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

OTIE Oneida Total Integrated Enterprises

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.16
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:40 AM ON May 28, 2010 AS DOCUMENT # 744185 AND FILED IN Vol TPP1 Pg 83

SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg 83

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01416.dgn
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	EXISTING	TOTAL	T.L.E. ACRES
136	MARCELLA I. LYMAN TRUST	T.L.E.	---	---	---	0.014
137	MARGARET STRONG	T.L.E.	---	---	---	0.014
138	NIAGARA AREA HISTORICAL SOCIETY	T.L.E.	---	---	---	0.014
139	NATALIE TEAFOE	T.L.E.	---	---	---	0.021
141	RAYMOND A. & LOIS M. STEENO	T.L.E.	---	---	---	0.021
142	JAMES R. & GLORIA A. WHITE	T.L.E.	---	---	---	0.024
143	ROBERT A.HELBERG, ETAL	T.L.E.	---	---	---	0.022
351	RAYMOND E. SODERBERG	T.L.E.	---	---	---	0.022
352	RAYMOND E. & DIANE SODERBERG	T.L.E.	---	---	---	0.022
353	JEREMIAH R. CREED	T.L.E.	---	---	---	0.022
354	NIAGARA TELEPHONE CO.	T.L.E.	---	---	---	0.022
356	LOLA J. ZAWADA TRUST	T.L.E.	---	---	---	0.022
357	LOLA J. ZAWADA TRUST	T.L.E.	---	---	---	0.022
358	TIMOTHY & CHRISTY SAYERS	T.L.E.	---	---	---	0.022
402	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS	---	---	---	---

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

CURVE 8
P.I. = 194+32.96
Y 393,993.14
X 709,519.00
Δ = 11°05'27"
D = 6°44'26"
T = 82.53'
L = 164.54'
R = 850.00'
P.C. = 193+50.43
P.T. = 195+14.97

TRANS. PROJECT PLAT NO: 9560-02-21- 4.17, AMENDMENT NO. 1

ADDS PARCEL 402 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.17,
RECORDED AS DOCUMENT NO. 738631 IN VOL TPP 1 ON PAGE 84

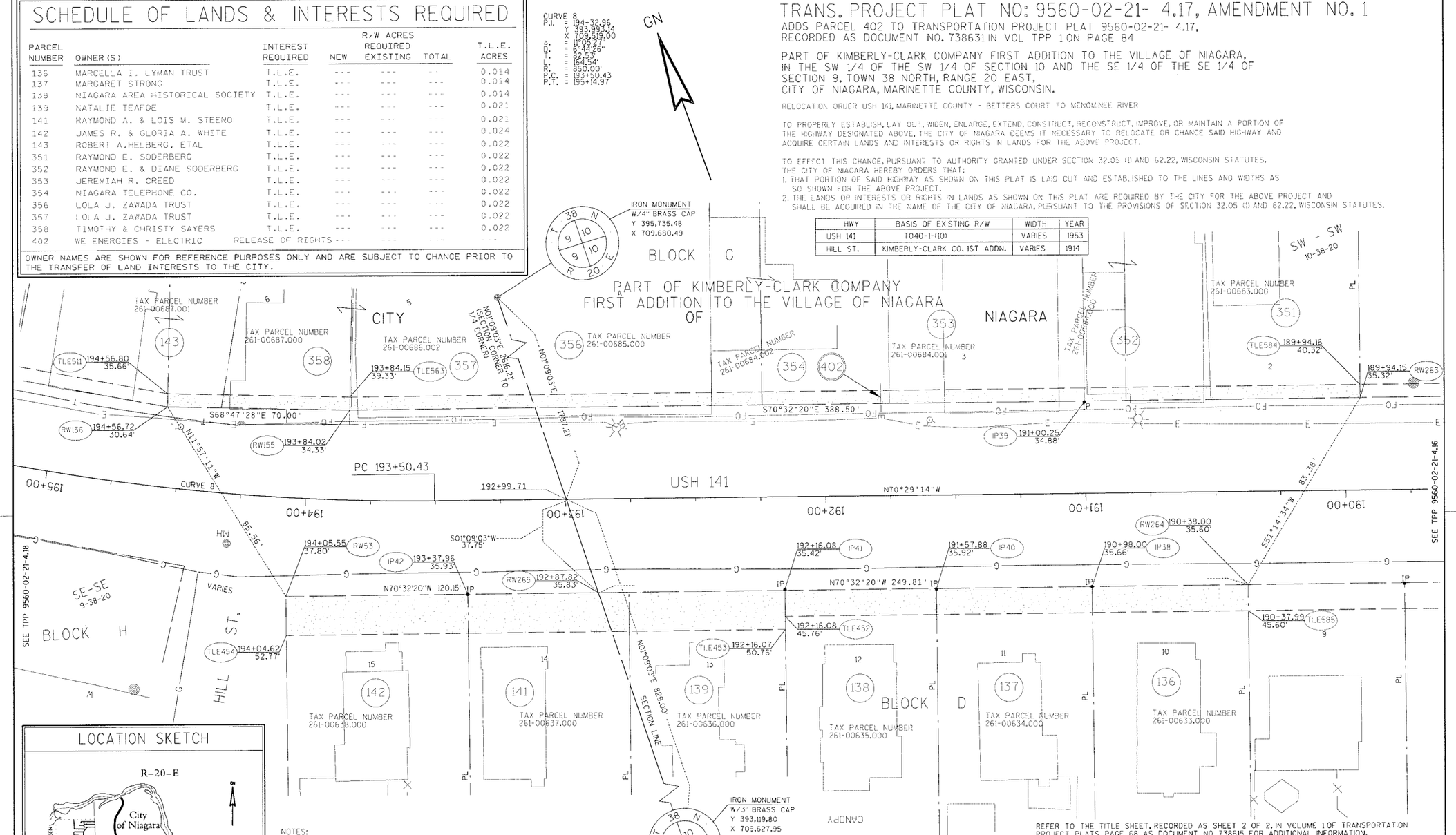
PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA, IN THE SW 1/4 OF THE SW 1/4 OF SECTION 10 AND THE SE 1/4 OF THE SE 1/4 OF SECTION 9, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

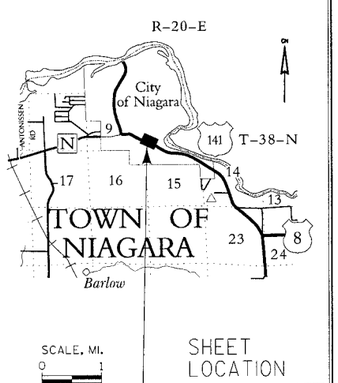
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
HILL ST.	KIMBERLY-CLARK CO. IST ADDN.	VARIES	1914



LOCATION SKETCH



NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

SCALE, FEET
0 20 40

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

WISCONSIN BRUCE D. BOWDEN S-1250 DODGEVILLE WI LAND SURVEYOR

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.17, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE
Bruce D. Bowden
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
George Bousley
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

OTIE Oneida Total Integrated Enterprises

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.17
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:40 AM ON May 28, 2010 AS DOCUMENT #741186 AND FILED IN Vol TPPI Pg. 84

SIGNATURE OF REGISTER OF DEEDS

Vol TPPI Pg. 84

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01417.dgn
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

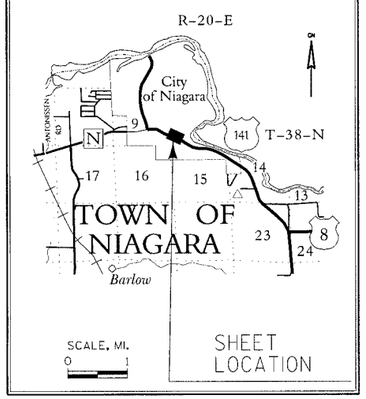
4.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	T.L.E. ACRES
143	ROBERT A. HELBERG & MILDRED J. PRINGLE ESTATE	T.L.E.	---	---	---	0.003
144	RJ WHITE INVESTMENTS LLC	FEE, T.L.E.	0.007	---	0.007	0.041
146	RJ WHITE INVESTMENTS LLC	FEE, T.L.E.	0.019	---	0.019	0.032
147	GREGORY P. & TAMIE L. POLLARD	FEE, T.L.E.	0.015	---	0.015	0.009
148	SALLY A. PHILLIPS & LORRAINE E. AXENROD	FEE, T.L.E.	0.003	---	0.003	0.019
149	THOMAS M. THORESTENSON	FEE, T.L.E.	0.003	---	0.003	0.020
151	MAXINE A. CHAPMAN	FEE, T.L.E.	0.003	---	0.003	0.018
152	RED BRICK INN, INC.	T.L.E.	---	---	---	0.015
153	ELIZABETH A. GIGNAC	T.L.E.	---	---	---	0.021
154	FRANKE E., JR. & BEVERLY J. LAKE	T.L.E.	---	---	---	0.018
156	MELODY S. SCHAUT	T.L.E.	---	---	---	0.019
157	KELLY L. LUCZAK	T.L.E.	---	---	---	0.017
401	WE ENERGIES - GAS	RELEASE OF RIGHTS	---	---	---	---

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

LOCATION SKETCH



TRANS. PROJECT PLAT NO: 9560-02-21- 4.18, AMENDMENT NO. 1

ADDS BUILDING OFFSETS TO PARELS 144 & 146 AND ADDS PARCEL 401 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.18, RECORDED AS DOCUMENT NO. 738632 IN VOL TPP 1 ON PAGE 85

PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA IN THE SE 1/4 OF THE SE 1/4 OF SECTION 9, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY – BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

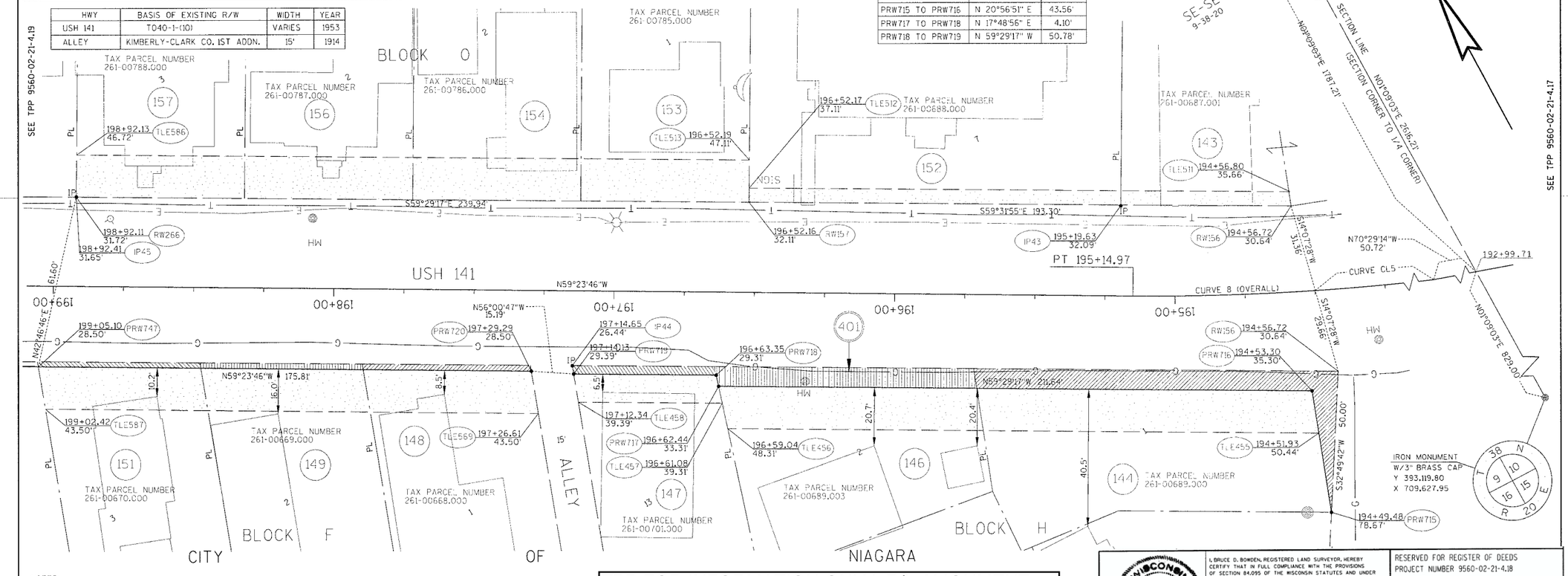
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES.

CURVE 8
P.I. = 194+32.96
Y 393,993.14
X 709,519.00
Δ = 11°05'27"
D = 6°44'26"
T = 82.53'
L = 164.54'
R = 850.00'
P.C. = 193+50.43
P.T. = 195+14.97

CURVE CL5
Δ = 6°52'38"
D = 6°44'26"
T = 49.79'
L = 99.41'
R = 850.00'
LCH = 99.41'
LCB = N67°08'04"W

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW715 TO PRW716	N 20°56'51" E	43.56'
PRW717 TO PRW718	N 17°48'56" E	4.10'
PRW718 TO PRW719	N 59°29'17" W	50.78'

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
ALLEY	KIMBERLY-CLARK CO. 1ST ADDN.	15'	1914



NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

0 20 40

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

WISCONSIN BRUCE D. BOWDEN E-19810 DOCKERVILLE WI. LAND SURVEYOR

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.18, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

OTIE Oneida Total Integrated Enterprises

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.18
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:41 A.M. ON May 28, 2010 AS DOCUMENT # 744187 AND FILED IN Vol TPP1 Pg. 85

SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg. 85

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01418.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 5/18/2010 PLOT BY : OTIE PLOT NAME : PLOT SCALE : _PLOTSCALE_

TRANS. PROJECT PLAT NO: 9560-02-21- 4.19, AMENDMENT NO. 1

ADDS BUILDING OFFSETS TO PARCELS 163 & 164 AND ADDS PARCELS 400 & 401 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.19, RECORDED AS DOCUMENT NO. 738633 IN VOL TPP 1 ON PAGE 86

PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA IN THE SE 1/4 OF THE SE 1/4 AND THE NE 1/4 OF THE SE 1/4 OF SECTION 9, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:

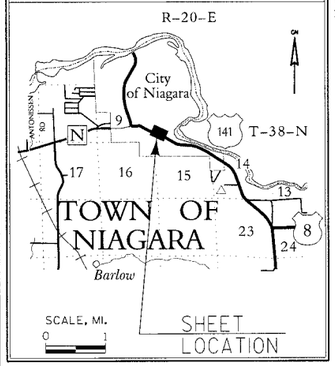
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (3) AND 62.22, WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	T.L.E. ACRES
158	ALOIS J. STRAND, JR.	T.L.E.	---	---	---	0.020
159	KATHLEEN E. LANTHIER	T.L.E.	---	---	---	0.017
161	JUDY COLAVECCHI	T.L.E.	---	---	---	0.018
162	ANTHONY P. & NANCY J. HOHOL	T.L.E.	---	---	---	0.020
163	LINDA M. SIELAFF & PEGGY S. KLENOVICH	FEE, T.L.E.	0.004	---	0.004	0.021
164	CARL T. DIXON	FEE, T.L.E.	0.002	---	0.002	0.042
166	WILLIAM E. & DIANE M. GRONERT	FEE, T.L.E.	0.002	---	0.002	0.020
167	GREGORY C. & SUSAN L. HOLMES	FEE, T.L.E.	0.002	---	0.002	0.020
168	DIANA S. CAMPOS	FEE, T.L.E.	0.002	---	0.002	0.023
169	JAMES AND SANDRA L. LANAVILLE	FEE, T.L.E.	0.002	---	0.002	0.007
171	MICHAEL J. FINNEGAN	FEE, T.L.E.	0.001	---	0.001	0.007
172	ALLIE L. & REBECCA L. PAQUETTE	T.L.E.	---	---	---	0.011
173	LILLIAN M. OLSON, JOSEPH & OLGA BUGALSKI	T.L.E.	---	---	---	0.011
174	GARY A. JOHNSON	T.L.E.	---	---	---	0.011
400	NIAGARA TELEPHONE COMPANY	RELEASE OF RIGHTS	---	---	---	---
401	WE ENERGIES - GAS	RELEASE OF RIGHTS	---	---	---	---

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

LOCATION SKETCH



IRON MONUMENT
W/4" BRASS CAP
Y 395,735.48
X 709,680.49

IRON MONUMENT
W/3" BRASS CAP
Y 393,119.80
X 709,627.95

COURSE TABLE		
COURSE	BEARING	DISTANCE
PRW744 TO PRW743	S 50°55'39" E	26.20'
PRW741 TO RW269	S 30°30'47" W	3.00'

CURVE 19
P.I. = 201+54.58
Y 394,360.78
X 708,897.45
Δ = 8°28'07"
D = 14°19'26"
T = 29.62'
L = 59.12'
R = 400.00'
P.C. = 201+24.97
P.T. = 201+84.09

NE-SE 9-38-20

SEE TPP 9560-02-21-4.20

SEE TPP 9560-02-21-4.18

BLOCK O

BLOCK F

CITY OF NIAGARA

USH 141

TYLER RD.

TAX PARCEL NUMBER 261-00795.005
TAX PARCEL NUMBER 261-00792.000
TAX PARCEL NUMBER 261-00791.000
TAX PARCEL NUMBER 261-00790.000
TAX PARCEL NUMBER 261-00789.000
TAX PARCEL NUMBER 261-00793.000
TAX PARCEL NUMBER 261-00678.000
TAX PARCEL NUMBER 261-00677.000
TAX PARCEL NUMBER 261-00676.000
TAX PARCEL NUMBER 261-00673.000
TAX PARCEL NUMBER 261-00672.000
TAX PARCEL NUMBER 261-00671.000

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

SCALE, FEET
0 20 40

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
TYLER RD.	KIMBERLY-CLARK CO. 1ST ADDN.	VARIES	1914

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDI... SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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".

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.19, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/13/10 DATE — BRUCE D. BOWDEN, R.L.S. - 1250 AGENT FOR ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE — GEORGE BOUSLEY, CITY OF NIAGARA - MAYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.19
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:42 AM ON May 28, 2010 AS DOCUMENT # 744198 AND FILED IN Vol TPP1 Pg 86

SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg 86

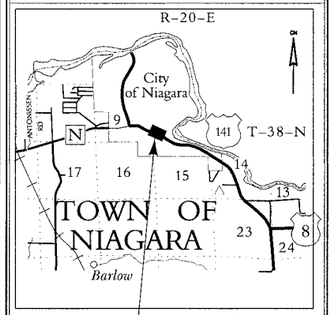
FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01419.dgn
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	T.L.E. ACRES
175	WORTH A.HOLMES	T.L.E.	---	---	---	0.037
176	DANIEL B. & SANDRA L. HARTMAN	T.L.E.	---	---	---	0.011
177	CITY OF NIAGARA	FEE	0.044	---	0.044	---
178	COA RENTAL MANAGEMENT, LLP	FEE, T.L.E.	0.078	---	0.078	0.083
179	COA RENTAL MANAGEMENT, LLP	FEE, T.L.E.	0.027	---	0.027	0.018
180	GEORGE & ROSALIE BOUSLEY	T.L.E.	---	---	---	0.024
181	RYAN & STEPHANIE NAPIENTEK	T.L.E.	---	---	---	0.043
182	RONALD L. & JOANNE C. BEHNKE	T.L.E.	---	---	---	0.008
183	CITY OF NIAGARA	T.L.E.	---	---	---	0.010
400	NIAGARA TELEPHONE COMPANY	RELEASE OF RIGHTS	---	---	---	---
401	WE ENERGIES - GAS	RELEASE OF RIGHTS	---	---	---	---
402	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS	---	---	---	---

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

LOCATION SKETCH



TRANS. PROJECT PLAT NO: 9560-02-21- 4.20, AMENDMENT NO. 1

ADDS BUILDING OFFSETS TO PARCEL 178 AND ADDS PARCELS 400, 401 & 402 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.20, RECORDED AS DOCUMENT NO. 738634 IN VOL TPP 1 ON PAGE 87

PART OF KIMBERLY-CLARK COMPANY FIRST ADDITION TO THE VILLAGE OF NIAGARA IN THE SE 1/4 OF THE SE 1/4 AND THE NE 1/4 OF THE SE 1/4 , ALL IN SECTION 9, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

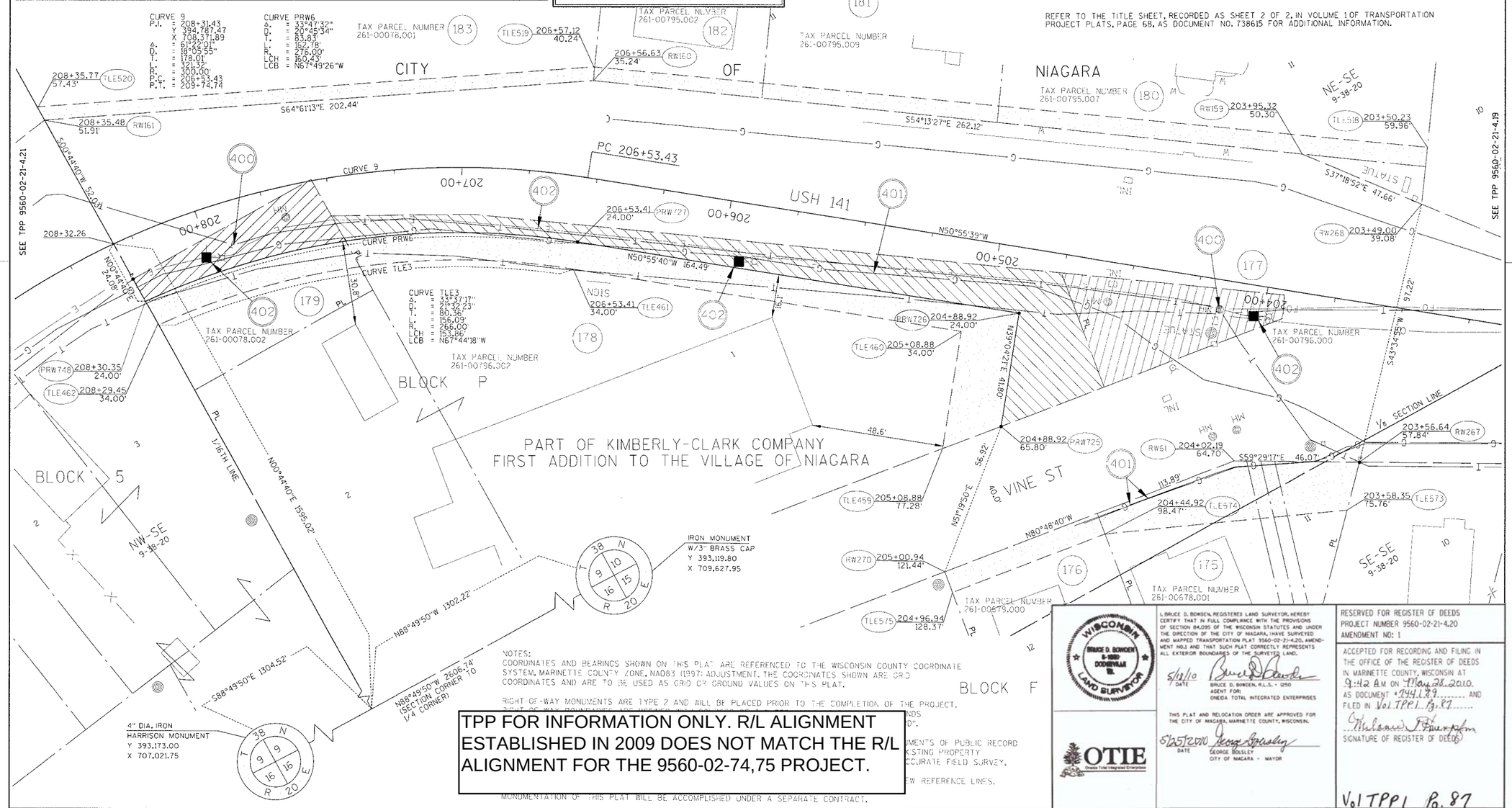
RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR VAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22. WISCONSIN STATUTES.

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
VINE ST.	KIMBERLY-CLARK CO. 1ST ADDN.	40'	1914

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.



TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

WISCONSIN BRUCE D. BOWDEN S-1250 DODGEVILLE WI. LAND SURVEYOR

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.20, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/13/10 DATE — BRUCE D. BOWDEN, R.L.S. - 1250 AGENT FOR ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE — GEORGE BOUSLEY, CITY OF NIAGARA - MAYOR

OTIE Oneida Total Integrated Enterprises

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.20
AMENDMENT NO: 1

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:42 AM ON May 28, 2010 AS DOCUMENT 744189 AND FILED IN Vol TPP 1 Pg. 87

SIGNATURE OF REGISTER OF DEEDS

Vol TPP 1 Pg. 87

FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01420.dgn
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

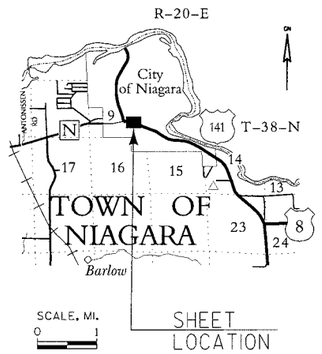
4.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER (S)	INTEREST REQUIRED	R/W ACRES REQUIRED NEW	R/W ACRES REQUIRED EXISTING	R/W ACRES REQUIRED TOTAL	T.L.E. ACRES
184	DAVID & LISA ST OURS	FEE, T.L.E.	0.008	---	0.008	0.030
186	MICHELLE D. MABIE & DEBORAH DREVLOW-GOODREAU	FEE, T.L.E.	0.010	---	0.010	0.010
187	KOSOSKI FAMILY TRUST	FEE, T.L.E.	0.157	---	0.157	0.067
188	JAMES J. SCHINTGEN	FEE, T.L.E.	0.072	---	0.072	0.062
400	NIAGARA TELEPHONE COMPANY	RELEASE OF RIGHTS	---	---	---	---
401	WE ENERGIES - GAS	RELEASE OF RIGHTS	---	---	---	---
402	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS	---	---	---	---
404	NIAGARA COMMUNITY TV COOP.	RELEASE OF RIGHTS	---	---	---	---

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

LOCATION SKETCH



TRANS. PROJECT PLAT NO: 9560-02-21- 4.21, AMENDMENT NO. 1

ADDS PARCELS 400, 401, 402 & 404 TO TRANSPORTATION PROJECT PLAT 9560-02-21- 4.21, RECORDED AS DOCUMENT NO. 738635 IN VOL TPP 1 ON PAGE 88

PART OF GOODYEAR'S FIRST ADDITION TO THE VILLAGE OF NIAGARA IN THE NW 1/4 OF THE SE 1/4 OF SECTION 9, TOWN 38 NORTH, RANGE 20 EAST, CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

RELOCATION ORDER USH 141, MARINETTE COUNTY - BETTERS COURT TO MENOMINEE RIVER

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF NIAGARA DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES, THE CITY OF NIAGARA HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF NIAGARA, PURSUANT TO THE PROVISIONS OF SECTION 32.05 (1) AND 62.22, WISCONSIN STATUTES.

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MARINETTE COUNTY ZONE, NAD83 (1997) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

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

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

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 LINES, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

MONUMENTATION OF THIS PLAT WILL BE ACCOMPLISHED UNDER A SEPARATE CONTRACT.

GN

HWY	BASIS OF EXISTING R/W	WIDTH	YEAR
USH 141	T040-1-(10)	VARIES	1953
FOURTH ST.	GOODYEAR'S 1ST ADDN.	60'	1943

REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, IN VOLUME 1 OF TRANSPORTATION PROJECT PLATS, PAGE 68, AS DOCUMENT NO. 738615 FOR ADDITIONAL INFORMATION.

SEE TPP 9560-02-21-4.22

SEE TPP 9560-02-21-4.20

VACATED THIRD STREET

BLOCK 9

PART OF PATRICK GOODYEAR'S PLAT TO THE VILLAGE OF NIAGARA

BLOCK 10

N82°18'29"E 498.59'

213+38.15 49.87' RW271

N01°30'15"E 79.22'

213+37.18 29.34' PRW750

USH 141

PT 212+01.30

N87°47'58"W

213+00

212+00

211+00

210+00

209+00

208+00

CURVE TLE4
Δ = 11°54'10"
D = 22°17'39"
T = 26.04'
L = 51.90'
R = 257.00'
LCH = 51.81'
LCB = S89°49'53"W

CURVE TLE5
Δ = 20°14'42"
D = 21°22'45"
T = 47.85'
L = 94.70'
R = 268.00'
LCH = 94.20'
LCB = S73°49'21"W

CURVE TLE5
Δ = 18°09'39"
D = 12°06'01"
T = 75.68'
L = 150.09'
R = 473.50'
LCH = 149.46'
LCB = S83°07'12"W

SCALE, FEET
0 20 40

CURVE PRW5
Δ = 18°34'20"
D = 12°38'02"
T = 74.15'
L = 147.00'
R = 453.50'
LCH = 146.36'
LCB = S82°54'52"W

CURVE 10
P.I. = 211+11.86
Y = 394,667.92
X = 708,080.32
Δ = 24°29'40"
D = 13°28'53"
T = 92.26'
L = 181.59'
R = 425.00'
P.C. = 210+19.60
P.T. = 212+01.30

NW-SE 9-38-20

CURVE 9
P.I. = 208+31.43
Y = 394,787.47
X = 708,571.89
Δ = 61°22'01"
D = 18°05.55"
T = 178.01'
L = 321.32'
R = 300.00'
P.C. = 206+53.43
P.T. = 209+74.74

CURVE PRW7
Δ = 30°43'46"
D = 20°45'34"
T = 75.84'
L = 148.03'
R = 276.00'
LCH = 146.26'
LCB = S79°54'56"W

RW161 208+35.48 51.91'

S00°24'40"W 1025.36'

PC 210+19.60

S67°42'13"W

PT 209+74.74

CURVE 10

CURVE PRW5

CURVE TLE5

CURVE TLE4

CURVE 9

CURVE PRW7

PRW728 209+89.92 24.43'

TLE466 209+93.45 32.67'

PRW729 210+65.01 28.86'

TLE588 213+36.65 49.34'

TLE468 212+02.68 49.34'

212+02.68 29.34' PRW730

TLE467 210+68.00 48.87'

PRW749 210+75.84 111.06'

TLE465 208+89.70 32.01'

TLE464 208+89.16 43.01'

TLE463 208+28.58 43.01'

PRW748 208+30.35 24.01'

208+32.26

S00°44'40"W 24.08'

208+31.13 14.65' PRW70

NO0°44'40"E 1555.20'

1/8 SECTION LINE

400 401 402 404

186 184 188 187

TAX PARCEL NUMBER 261-00465.001

TAX PARCEL NUMBER 261-00467.001

TAX PARCEL NUMBER 261-00459.001

TAX PARCEL NUMBER 261-00461.001

BLOCK 4 BLOCK 5

CITY OF NIAGARA

FOURTH ST.

60

NO6°43'18"W 83.15'

S28°23'17"W 129.60'

S88°49'50"E 1304.52'

N88°49'50"W 1302.22'

N88°49'50"W 2606.74' (SECTION CORNER TO 1/4 CORNER)

4" DIA. IRON HARRISON MONUMENT
Y 393,173.00
X 707,021.75

IRON MONUMENT W/3" BRASS CAP
Y 393,119.80
X 709,627.95

T 38 N R 20 E
9 10 16 15

TPP FOR INFORMATION ONLY. R/L ALIGNMENT ESTABLISHED IN 2009 DOES NOT MATCH THE R/L ALIGNMENT FOR THE 9560-02-74,75 PROJECT.

WISCONSIN BRUCE D. BOWDEN S-1250 OCONTO FALLS WI. LAND SURVEYOR

OTIE Oneida Total Integrated Enterprises

I, BRUCE D. BOWDEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF NIAGARA, I HAVE SURVEYED AND MAPPED TRANSPORTATION PLAT 9560-02-21-4.21, AMENDMENT NO.1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

5/18/10 DATE
BRUCE D. BOWDEN, R.L.S. - 1250
AGENT FOR:
ONEIDA TOTAL INTEGRATED ENTERPRISES

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF NIAGARA, MARINETTE COUNTY, WISCONSIN.

5/25/2010 DATE
GEORGE BOUSLEY
CITY OF NIAGARA - MAYOR

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9560-02-21-4.21
AMENDMENT NO: 1

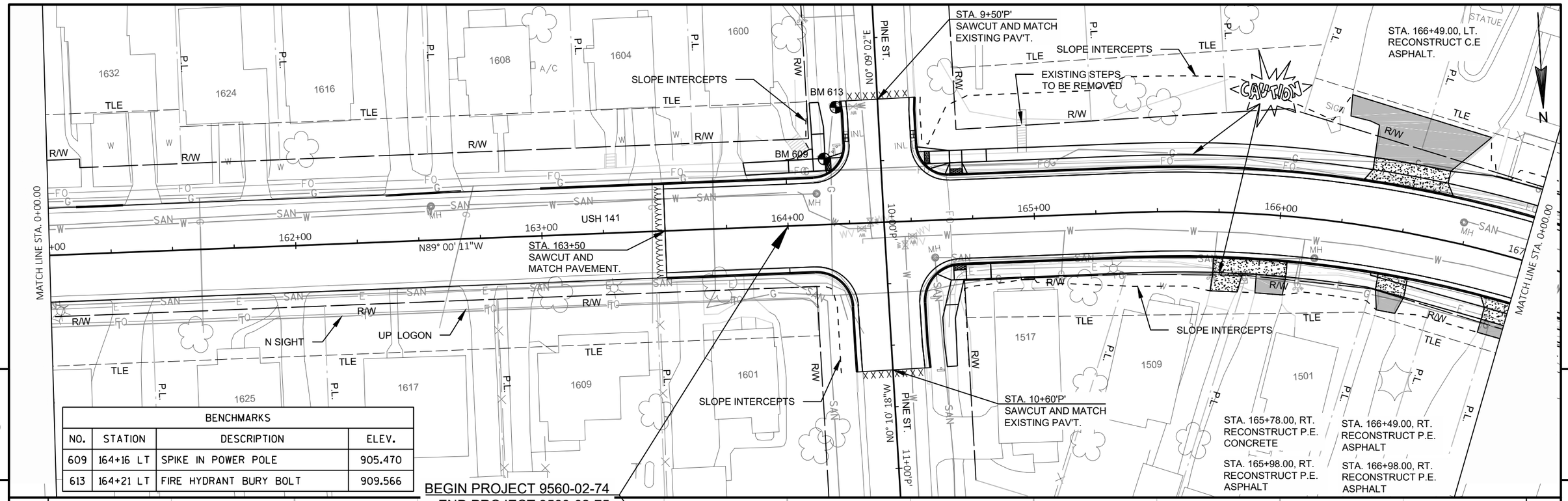
ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN MARINETTE COUNTY, WISCONSIN AT 9:43 A.M ON May 28, 2010 AS DOCUMENT # 744990 AND FILED IN Vol TPP1 Pg.88

Melanie A. Thompson
SIGNATURE OF REGISTER OF DEEDS

Vol TPP1 Pg. 88

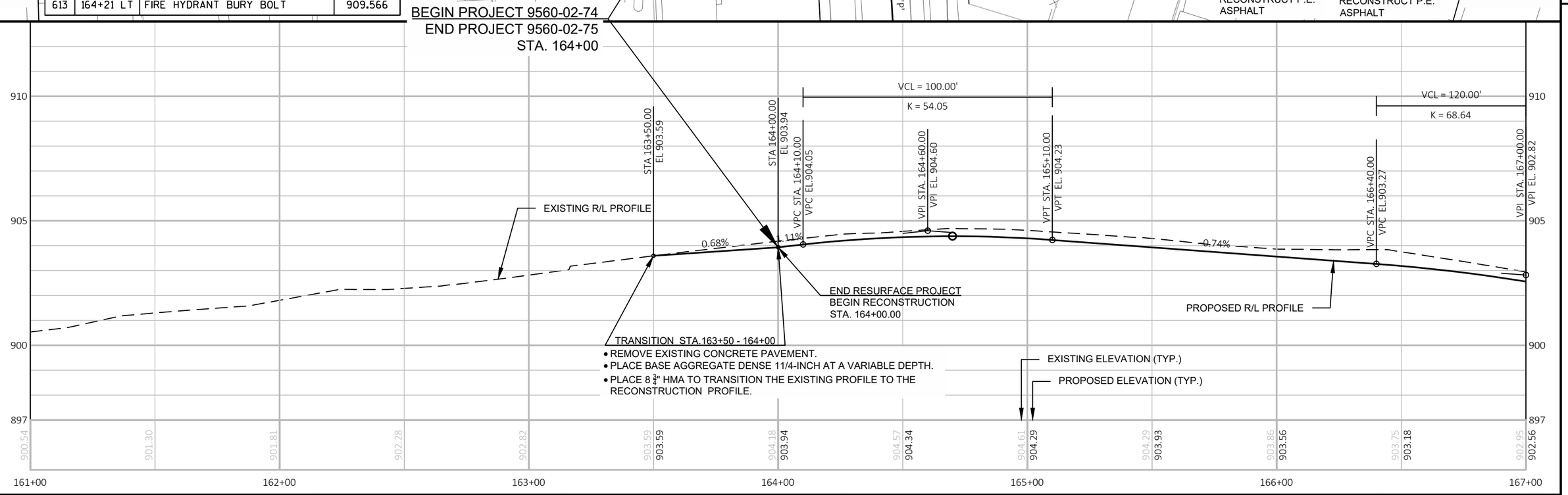
FILE NAME : P:\2007013\Survey\Microstation\Urban project\RW01421.dgn
PLOT DATE : 5/18/2010
PLOT BY : OTIE
PLOT NAME :
PLOT SCALE : _PLOTSCALE_
APPRAISAL PLAT DATE :

4.



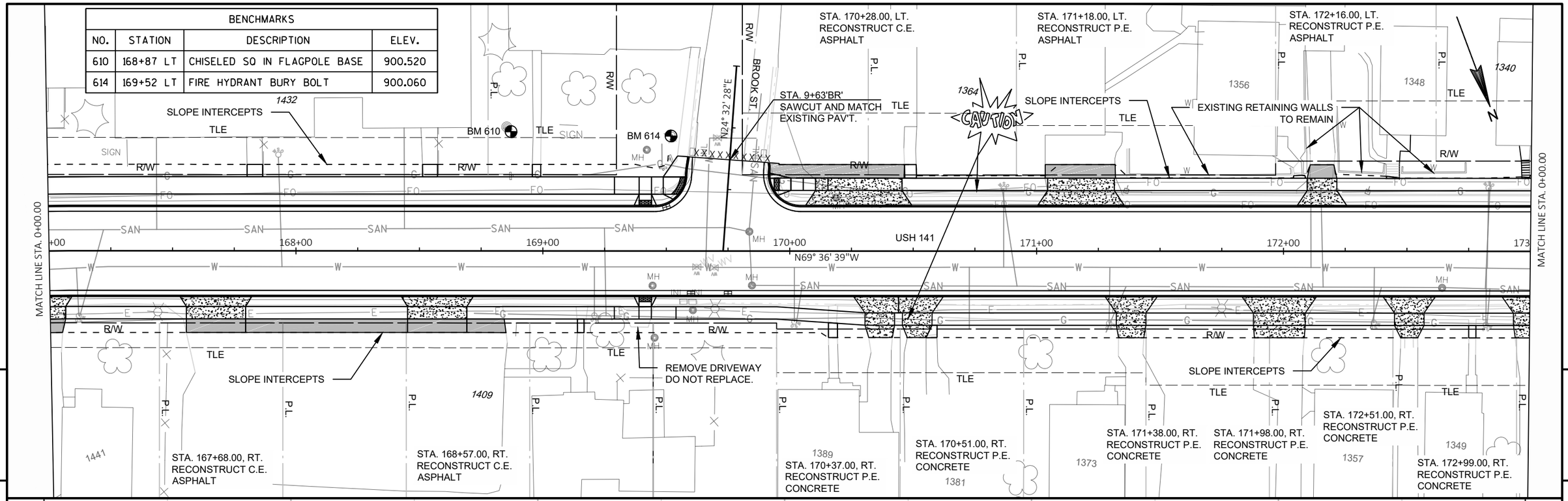
BENCHMARKS			
NO.	STATION	DESCRIPTION	ELEV.
609	164+16 LT	SPIKE IN POWER POLE	905.470
613	164+21 LT	FIRE HYDRANT BURY BOLT	909.566

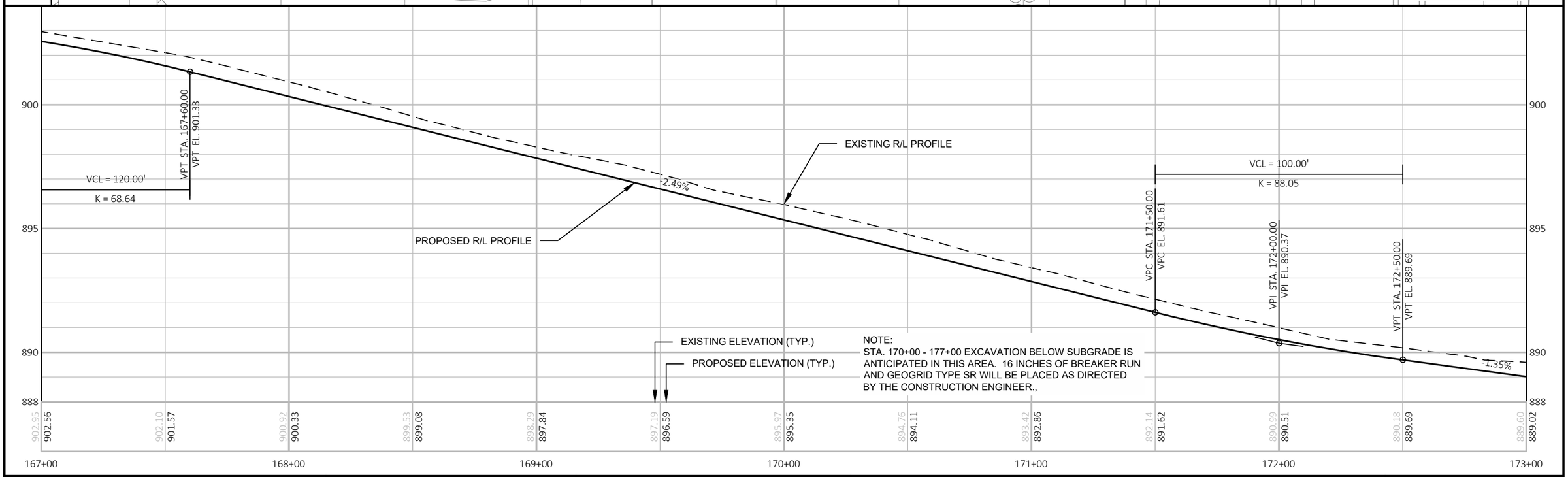
BEGIN PROJECT 9560-02-74
END PROJECT 9560-02-75
STA. 164+00



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: USH 141	SHEET 179	E

BENCHMARKS			
NO.	STATION	DESCRIPTION	ELEV.
610	168+87 LT	CHISELED SQ IN FLAGPOLE BASE	900.520
614	169+52 LT	FIRE HYDRANT BURY BOLT	900.060





PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: USH 141	SHEET 180	E

STA. 173+22.00, LT.
RECONSTRUCT P.E.
ASPHALT

STA. 173+72.00, LT.
RECONSTRUCT P.E.
GRAVEL

STA. 175+26.00, LT.
RECONSTRUCT P.E.
ASPHALT

STA. 176+10.00, LT.
REMOVE P.E.

STA. 176+84.00, LT.
REMOVE P.E.

STA. 177+97.00, LT.
RECONSTRUCT P.E.
CONCRETE

STA. 178+57.00, LT.
RECONSTRUCT P.E.
ASPHALT

EXISTING LANDSCAPING
WALL TO REMAIN

REMOVE DRIVEWAY
DO NOT REPLACE.

REMOVE DRIVEWAY
DO NOT REPLACE.

SLOPE INTERCEPTS

SLOPE INTERCEPTS

SLOPE INTERCEPTS

SLOPE INTERCEPTS

DO NOT DISTURB
TREES OR SHRUBS

STA. 10+50'C'
SAWCUT AND MATCH
EXISTING PAV'T.

USH 141

CLARK ST.

MATCH LINE STA. 0+00.00

MATCH LINE STA. 0+00.00

N69° 36' 39"W

N30° 49' 59"E

N52° 40' 00"W

BM 615

BM 616

BENCHMARKS			
NO.	STATION	DESCRIPTION	ELEV.
615	173+81 RT	FIRE HYDRANT BURY BOLT	889.431
616	176+06 RT	FIRE HYDRANT BURY BOLT	886.628

STA. 173+52.00, RT.
RECONSTRUCT P.E.
CONCRETE

STA. 174+56.00, RT.
RECONSTRUCT P.E.
ASPHALT

STA. 175+21.00, RT.
RECONSTRUCT P.E.
ASPHALT

VCL = 100.00'
K = 2212.39

VCL = 150.00'
K = 91.13

EXISTING R/L PROFILE

PROPOSED R/L PROFILE

-1.31%

0.34%

NOTE:
STA. 170+00 - 177+00 EXCAVATION BELOW SUBGRADE IS ANTICIPATED IN THIS AREA. 16 INCHES OF BREAKER RUN AND GEOTEXTILE TYPE SR WILL BE PLACED AS DIRECTED BY THE CONSTRUCTION ENGINEER.,

VPC STA. 173+25.00
VPC EL. 888.68

VPI STA. 173+75.00
VPI EL. 888.00

VPT STA. 174+25.00
VPT EL. 887.35

VPC STA. 175+75.00
VPC EL. 885.38

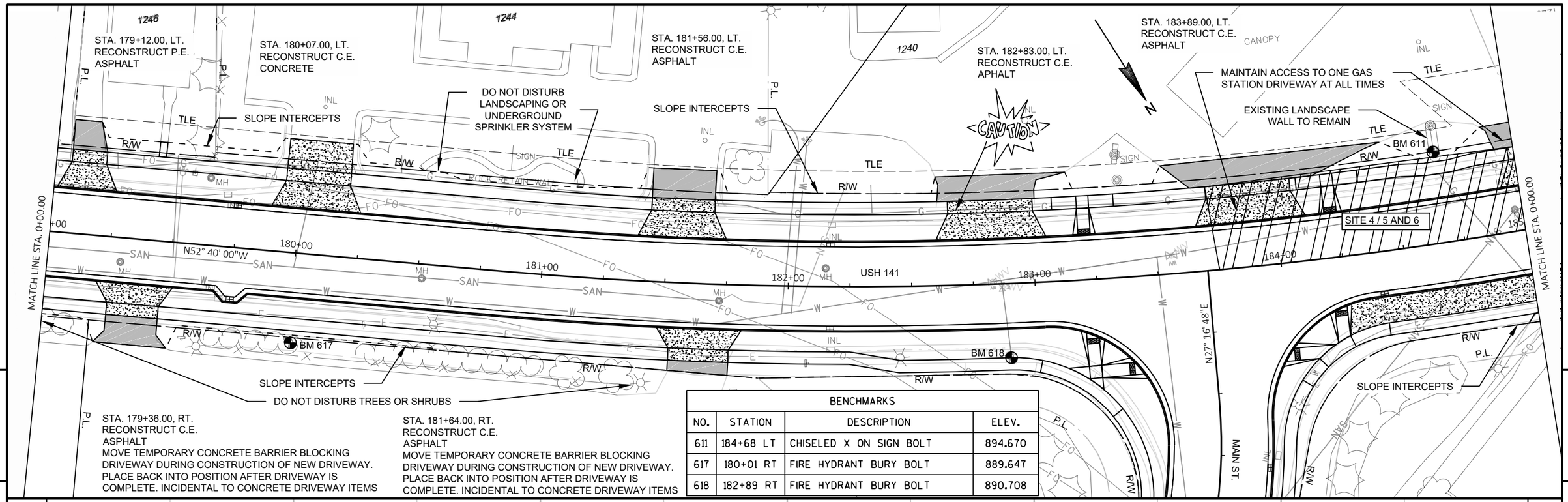
VPI STA. 176+50.00
VPI EL. 884.40

VPT STA. 177+25.00
VPT EL. 884.65

EXISTING ELEVATION (TYP.)

PROPOSED ELEVATION (TYP.)

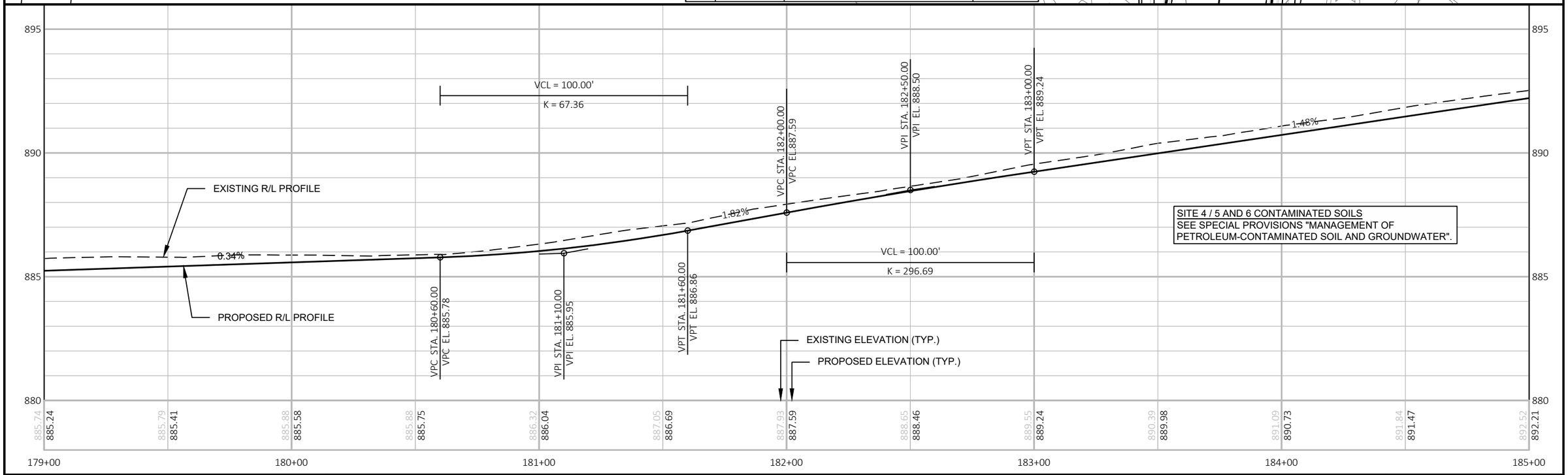
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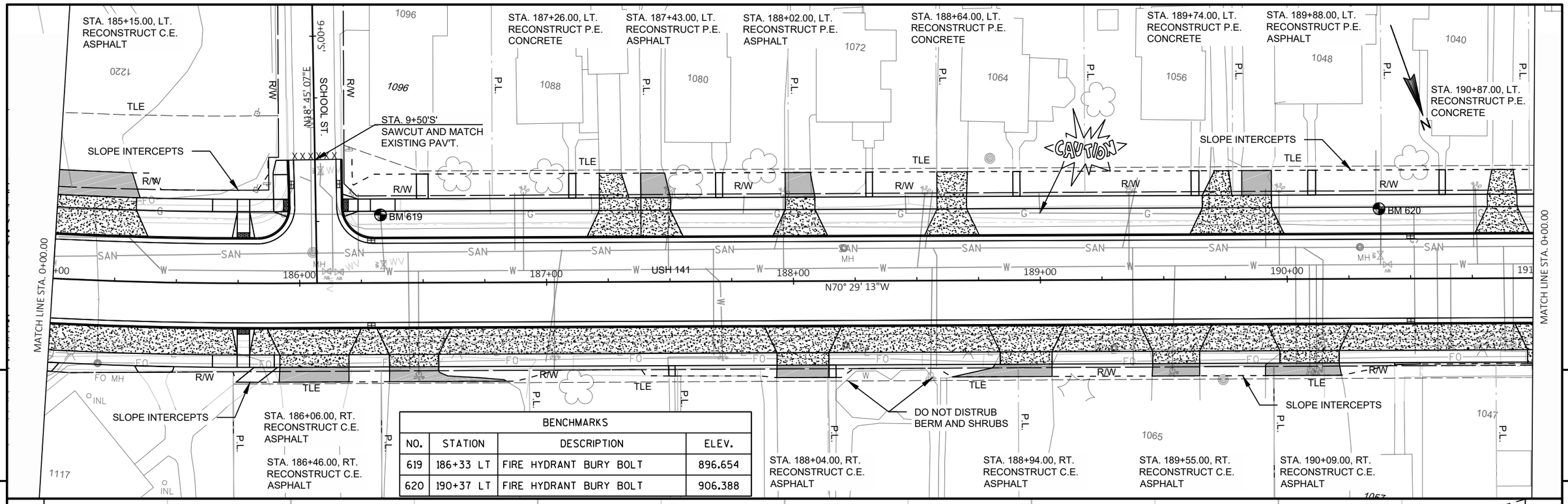
STA. 179+36.00, RT.
RECONSTRUCT C.E.
ASPHALT
MOVE TEMPORARY CONCRETE BARRIER BLOCKING DRIVEWAY DURING CONSTRUCTION OF NEW DRIVEWAY. PLACE BACK INTO POSITION AFTER DRIVEWAY IS COMPLETE. INCIDENTAL TO CONCRETE DRIVEWAY ITEMS

STA. 181+64.00, RT.
RECONSTRUCT C.E.
ASPHALT
MOVE TEMPORARY CONCRETE BARRIER BLOCKING DRIVEWAY DURING CONSTRUCTION OF NEW DRIVEWAY. PLACE BACK INTO POSITION AFTER DRIVEWAY IS COMPLETE. INCIDENTAL TO CONCRETE DRIVEWAY ITEMS

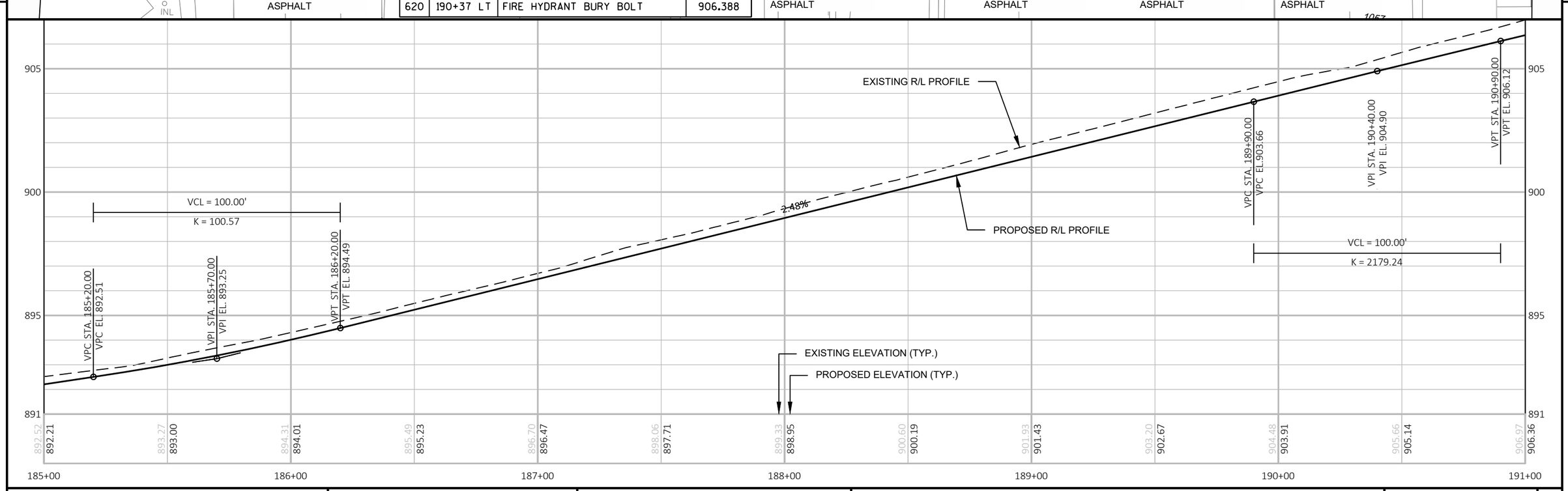
BENCHMARKS			
NO.	STATION	DESCRIPTION	ELEV.
611	184+68 LT	CHISELED X ON SIGN BOLT	894.670
617	180+01 RT	FIRE HYDRANT BURY BOLT	889.647
618	182+89 RT	FIRE HYDRANT BURY BOLT	890.708



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: USH 141	SHEET 182	E



BENCHMARKS			
NO.	STATION	DESCRIPTION	ELEV.
619	186+33 LT	FIRE HYDRANT BURY BOLT	896.654
620	190+37 LT	FIRE HYDRANT BURY BOLT	906.388



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: USH 141	SHEET 183	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\050101_PP TO 050109_PP (USH 141).DWG
LAYOUT NAME - 050105_pp

PLOT DATE : 4/15/2019 2:51 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 44

STA. 191+48.00, LT.
RECONSTRUCT P.E.
CONCRETE

STA. 192+09.00, LT.
RECONSTRUCT P.E.
ASPHALT

STA. 192+23.00, LT.
RECONSTRUCT P.E.
ASPHALT

STA. 192+85.00, LT.
RECONSTRUCT P.E.
CONCRETE

STA. 193+50.00, LT.
RECONSTRUCT P.E.
ASPHALT

STA. 9+50'HI'
SAWCUT AND MATCH
EXISTING PAV'T.

STA. 195+05.00, LT.
RECONSTRUCT C.E.
GRAVEL

STA. 196+12.00, LT.
RECONSTRUCT C.E.
ASPHALT

STA. 196+95.00, LT.
RECONSTRUCT P.E.
CONCRETE

HILL ST.

N24° 42' 26"E

EXISTING LANDSCAPE
WALL TO REMAIN

SLOPE INTERCEPTS

SLOPE INTERCEPTS

CAUTION

BM 621

USH 141

N70° 29' 13"W

N59° 23' 46"W

SITE 7

SITE 8

MATCH LINE STA. 0+00.00

MATCH LINE STA. 0+00.00

SAWCUT AT EXISTING
SIDEWALK JOINT LINE.

SLOPE INTERCEPTS

SLOPE INTERCEPTS

NO IMPACTS ALLOWED BEYOND R/W
EXCEPTING FOR DRIVEWAY ENTRANCES

STA. 193+24.00, RT.
RECONSTRUCT C.E.
CONCRETE

STA. 191+05.00, RT.
RECONSTRUCT C.E.
ASPHALT

STA. 191+87.00, RT.
RECONSTRUCT C.E.
CONCRETE

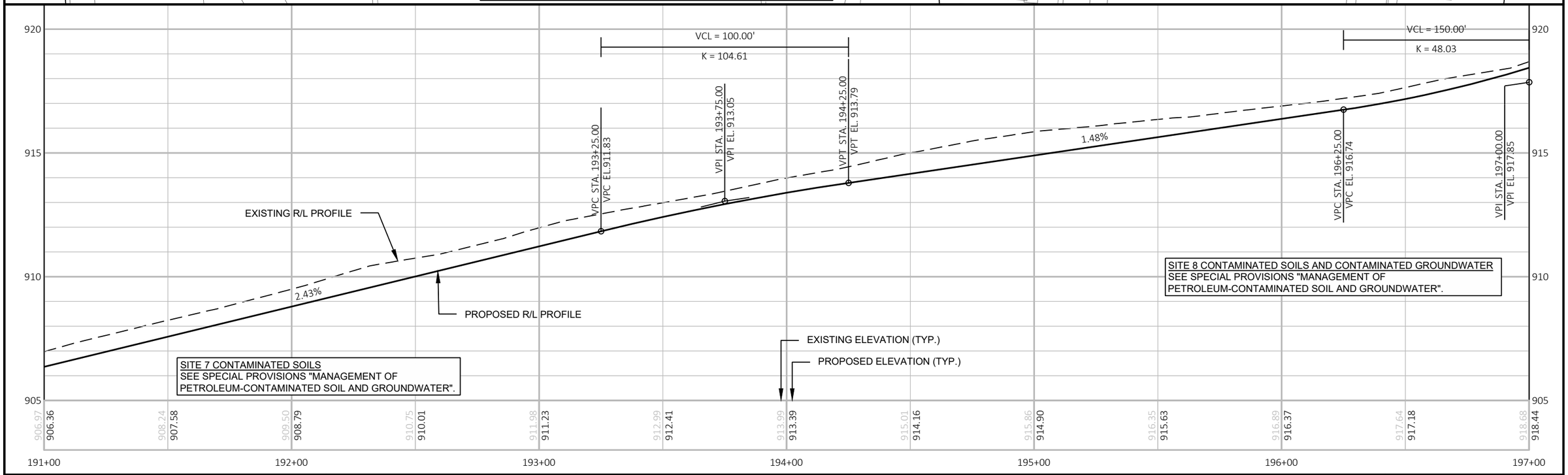
STA. 192+32.00, RT.
RECONSTRUCT C.E.
CONCRETE

STA. 194+43.00, RT.
RECONSTRUCT C.E.
ASPHALT

STA. 195+29.00, RT.
RECONSTRUCT C.E.
CONCRETE

STA. 196+46.00, RT.
RECONSTRUCT C.E.
ASPHALT

BENCHMARKS			
NO.	STATION	DESCRIPTION	ELEV.
621	193+87 LT	FIRE HYDRANT BURY BOLT	915.545



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: USH 141	SHEET 184	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\050101_PP TO 050109_PP (USH 141).DWG
LAYOUT NAME - 050106_pp
PLOT DATE : 4/15/2019 2:53 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

STA. 197+51.00, LT.
RECONSTRUCT P.E.
CONCRETE

STA. 198+17.00, LT.
RECONSTRUCT P.E.
GRAVEL

STA. 198+95.00, LT.
RECONSTRUCT P.E.
CONCRETE

STA. 199+13.00, LT.
RECONSTRUCT P.E.
ASPHALT

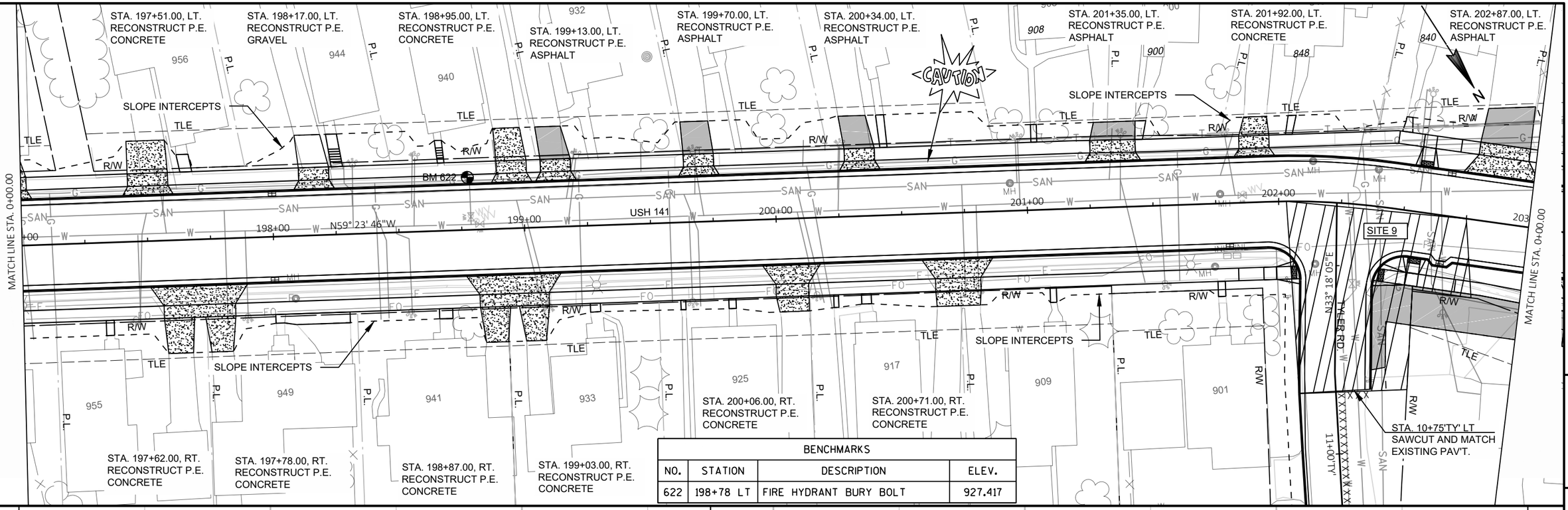
STA. 199+70.00, LT.
RECONSTRUCT P.E.
ASPHALT

STA. 200+34.00, LT.
RECONSTRUCT P.E.
ASPHALT

STA. 201+35.00, LT.
RECONSTRUCT P.E.
ASPHALT

STA. 201+92.00, LT.
RECONSTRUCT P.E.
CONCRETE

STA. 202+87.00, LT.
RECONSTRUCT P.E.
ASPHALT



STA. 197+62.00, RT.
RECONSTRUCT P.E.
CONCRETE

STA. 197+78.00, RT.
RECONSTRUCT P.E.
CONCRETE

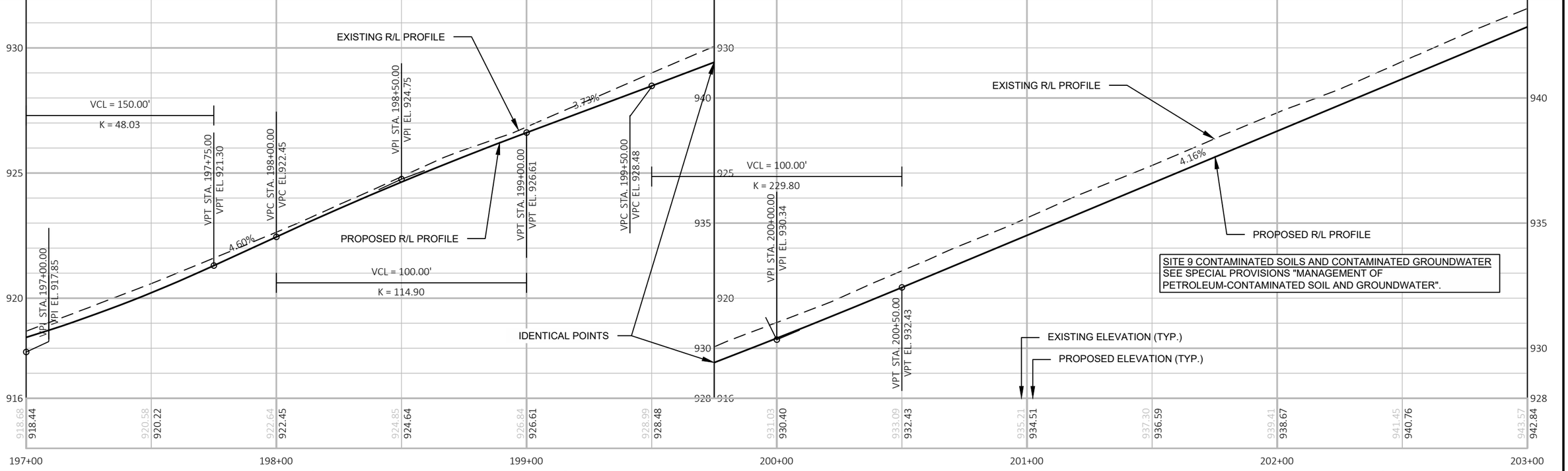
STA. 198+87.00, RT.
RECONSTRUCT P.E.
CONCRETE

STA. 199+03.00, RT.
RECONSTRUCT P.E.
CONCRETE

STA. 200+06.00, RT.
RECONSTRUCT P.E.
CONCRETE

STA. 200+71.00, RT.
RECONSTRUCT P.E.
CONCRETE

BENCHMARKS			
NO.	STATION	DESCRIPTION	ELEV.
622	198+78 LT	FIRE HYDRANT BURY BOLT	927.417



BENCHMARKS			
NO.	STATION	DESCRIPTION	ELEV.
612	204+18 LT	CHISELED X IN FLAGPOLE BOLT	949.490
623	204+30 LT	FIRE HYDRANT BURY BOLT	951.309

STA. 203+45.00, LT.
RECONSTRUCT P.E.
CONCRETE

SLOPE INTERCEPTS

STA. 8+50'V'
SAWCUT AND MATCH
EXISTING PAV'T.

VINE ST.

S80° 26' 51"E

BM 623

BM 612

N49° 24' 50"W

N40° 35' 40"E

MATCH LINE STA. 0+00.00

REMOVE BY OTHERS
FLAGPOLE AND STATUE

USH 141

CAUTION

STA. 208+57.00, LT.
RECONSTRUCT P.E.
GRAVEL

MATCH LINE STA. 0+00.00

SLOPE INTERCEPTS

SLOPE INTERCEPTS

SLOPE INTERCEPTS

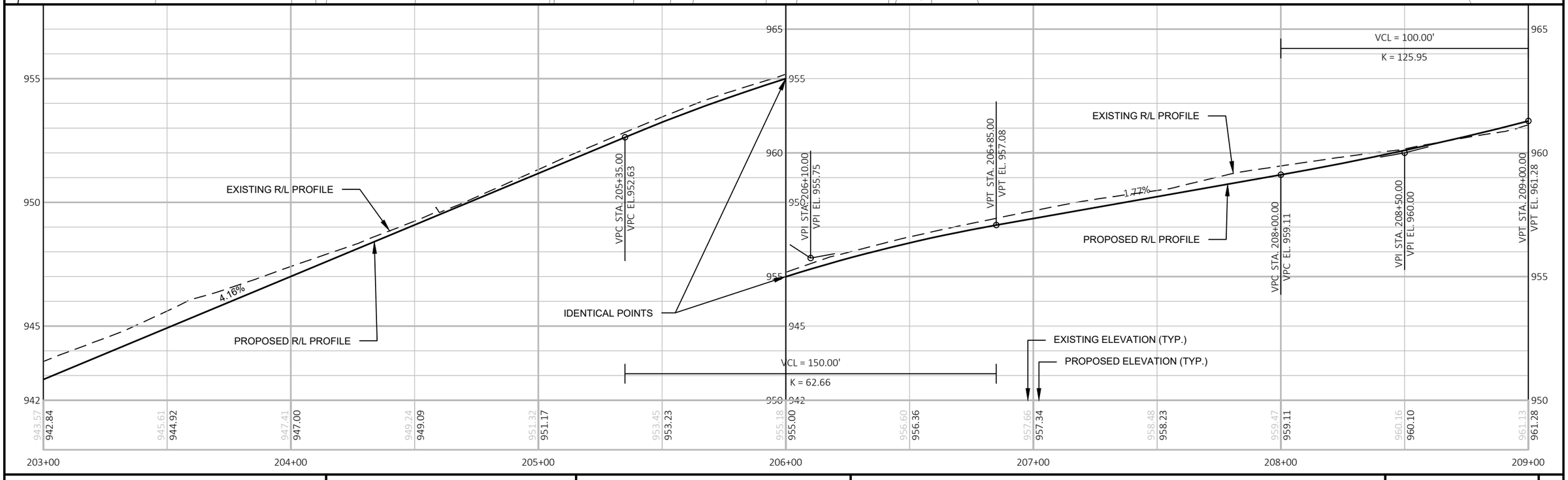
STA. 203+37.00, RT.
RECONSTRUCT C.E.
ASPHALT

STA. 204+07.00, RT.
RECONSTRUCT P.E.
ASPHALT

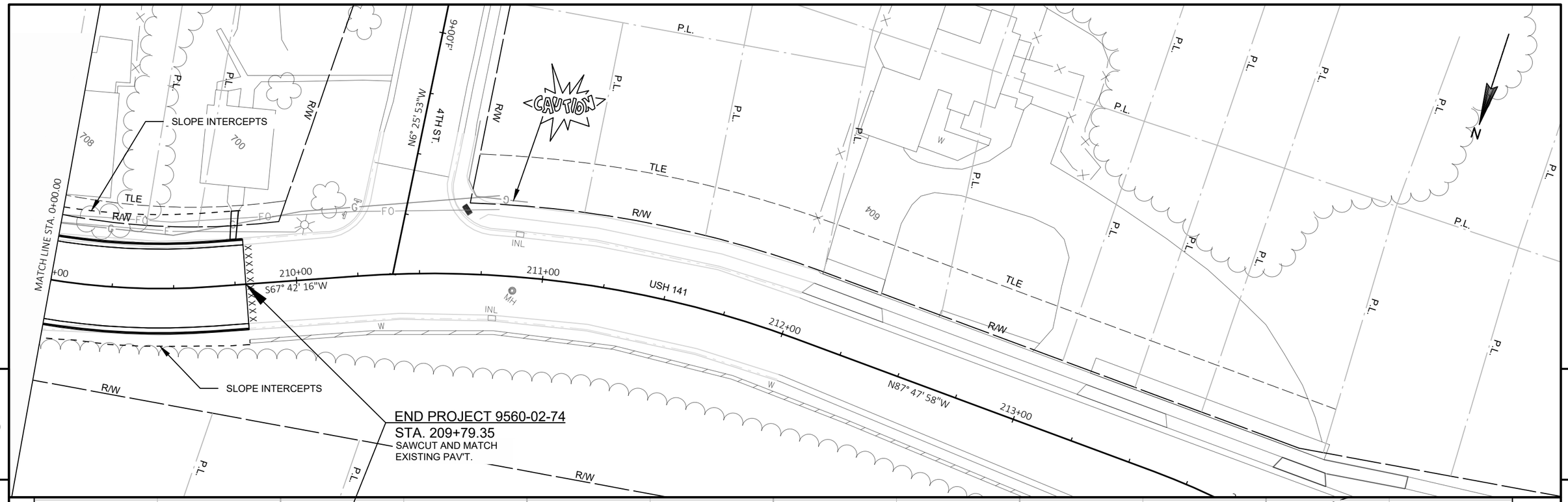
REMOVING MASONRY
(EXISTING CONCRETE LANDSCAPING WALL)
STA. 204+20 TO STA. 205+60
POURED CONCRETE 5" DEEP X 8"- 12" HIGH

STA. 205+64.00, RT.
RECONSTRUCT P.E.
CONCRETE

STA. 206+56.00, RT.
RECONSTRUCT P.E.
CONCRETE



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: USH 141	SHEET 186	E

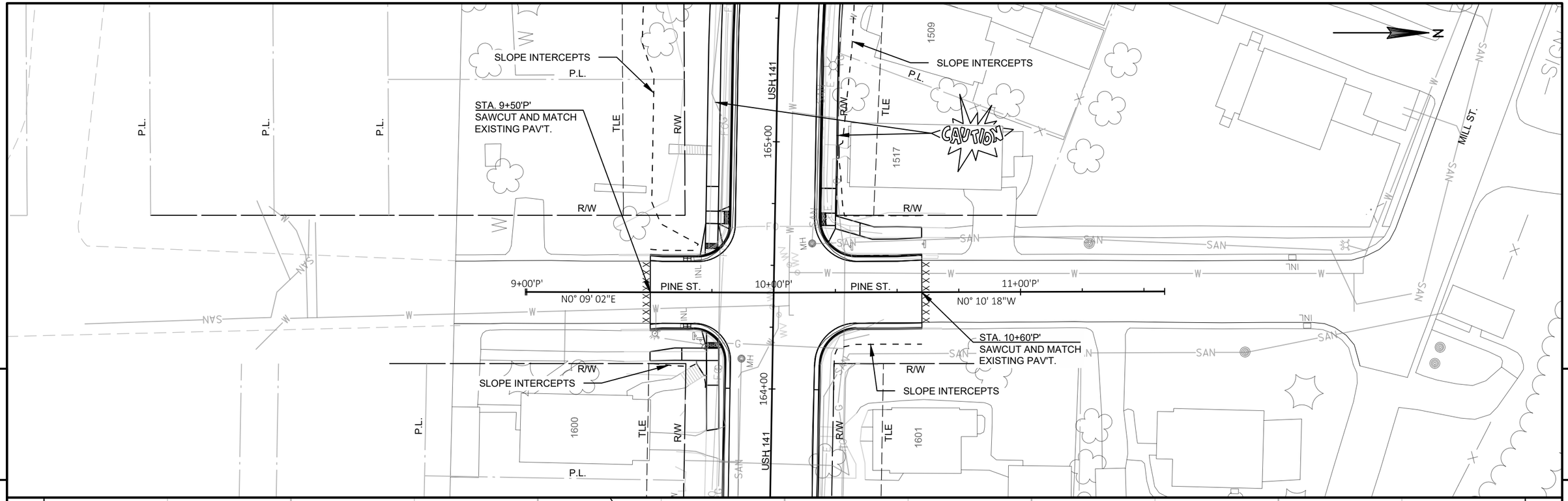


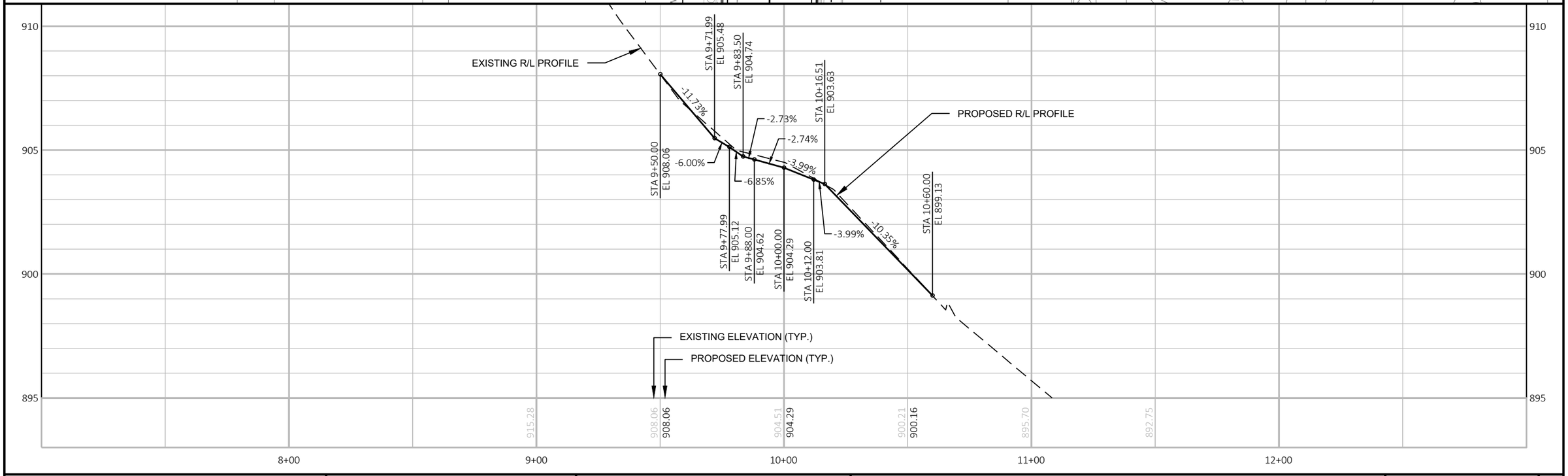
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: USH 141	SHEET 187	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\050101_PP TO 050109_PP (USH 141).DWG
LAYOUT NAME - 050109_pp

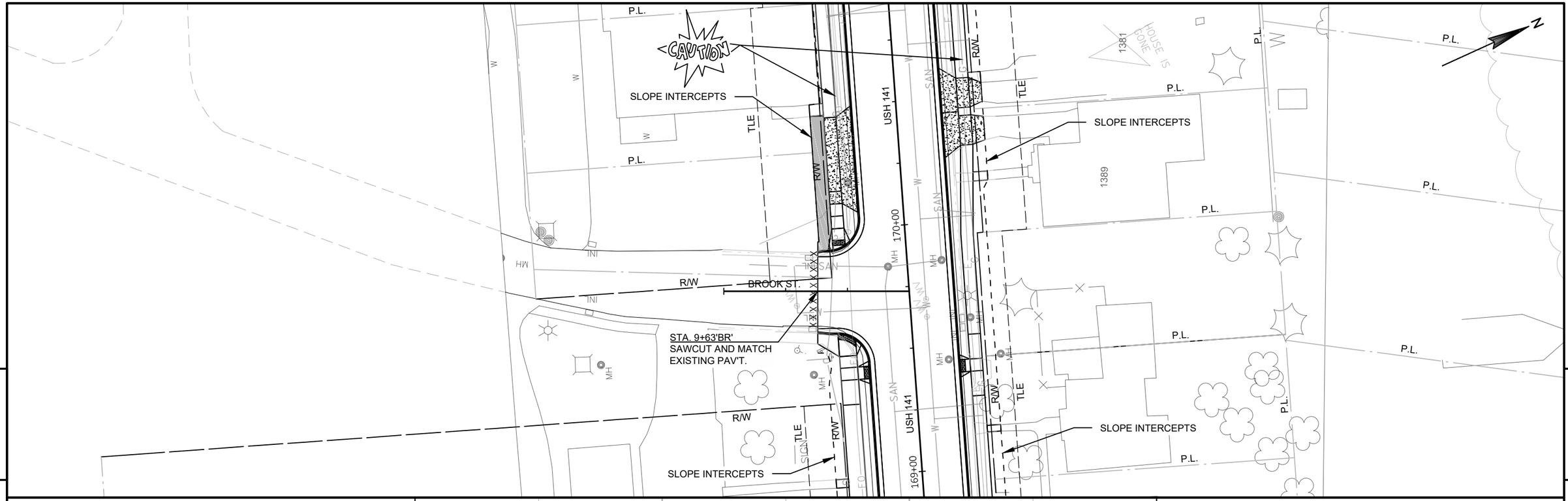
PLOT DATE : 4/15/2019 2:58 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########

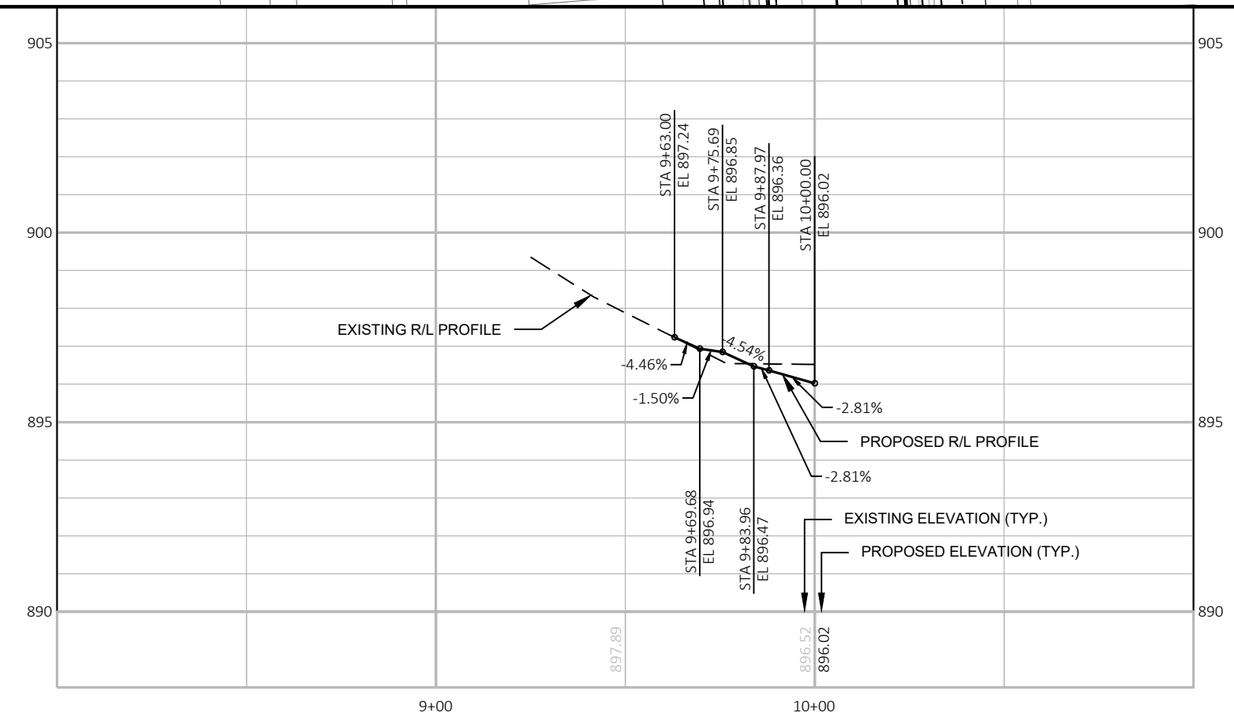
WISDOT/CADDS SHEET 44





PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: PINE STREET	SHEET 188	E





PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: BROOK STREET	SHEET 189	E

SLOPE INTERCEPTS

SLOPE INTERCEPTS

SLOPE INTERCEPTS

SLOPE INTERCEPTS

NOTE: SAWCUT ASPHALT DOWN CENTER LINE OF CLARK STREET AND REMOVE AND REPLACE ASPHALT AND CURB AND GUTTER IN-KIND ALONG THE EAST SIDE OF CLARK STREET AS NEEDED FOR STORM SEWER INSTALLATION.

STA. 10+50'C'
SAWCUT AND MATCH
EXISTING PAV'T.

SAWCUT AND MATCH
EXISTING PAV'T.

SAWCUT AND MATCH
EXISTING PAV'T.

STA. 10+85.00'C', RT.
RECONSTRUCT P.E.
AS NEEDED FOR
STORM SEWER
INSTALLATION

STA. 12+07.00'C', RT.
REMOVE P.E.

CLARK ST.

USH 141

177+00

176+00

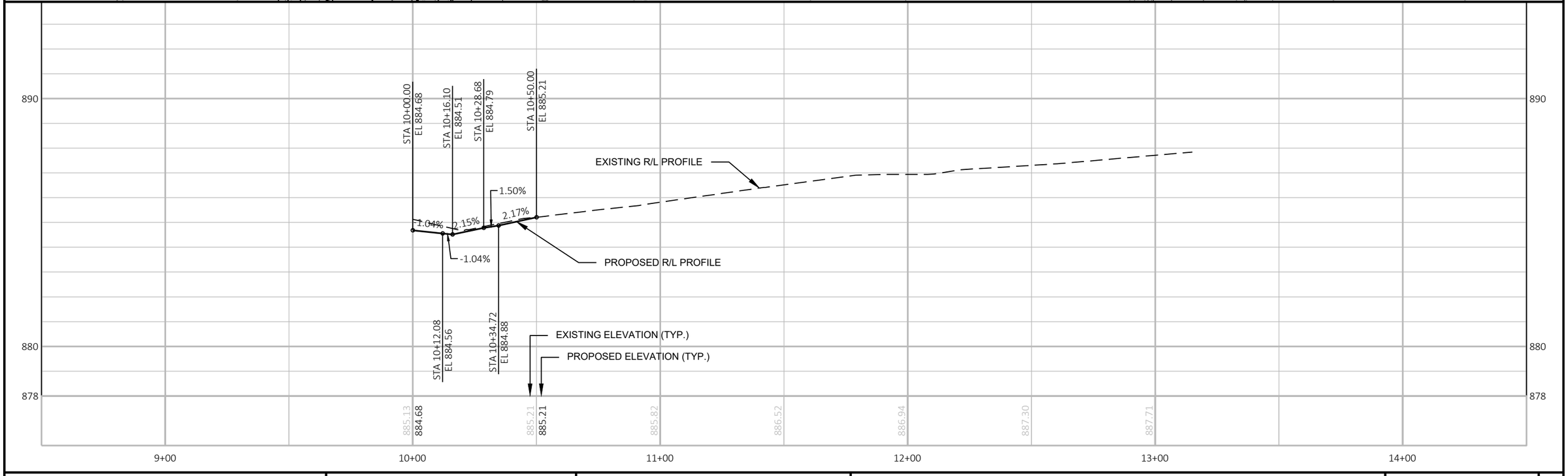
11+00'C'

12+00'C'

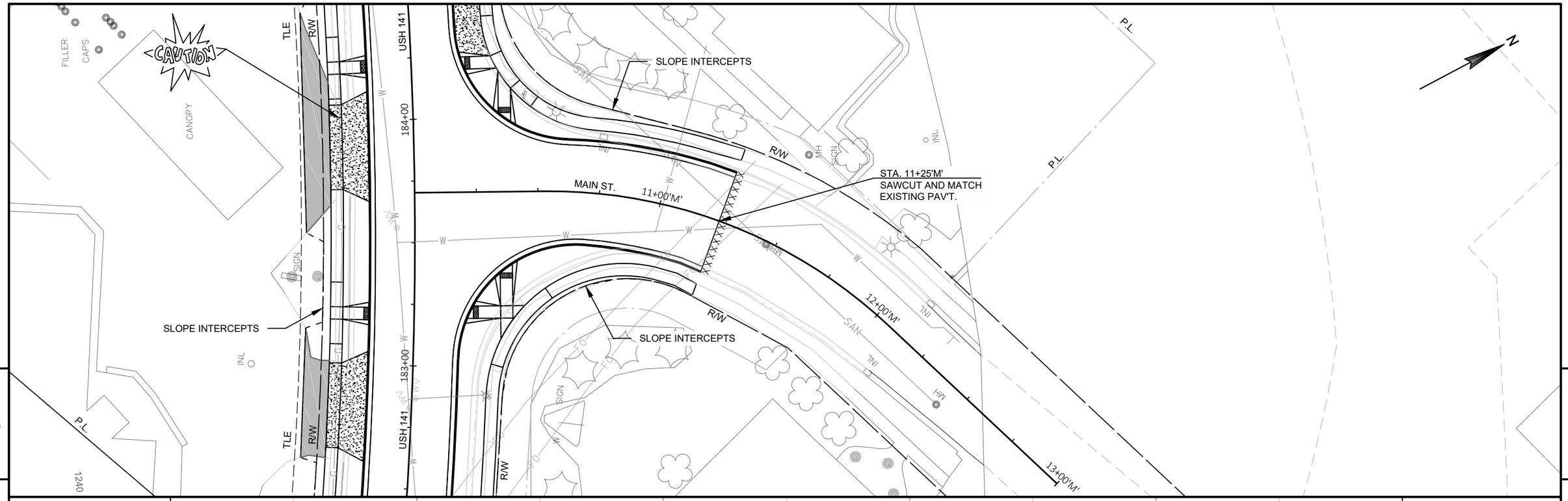
13+00'C'

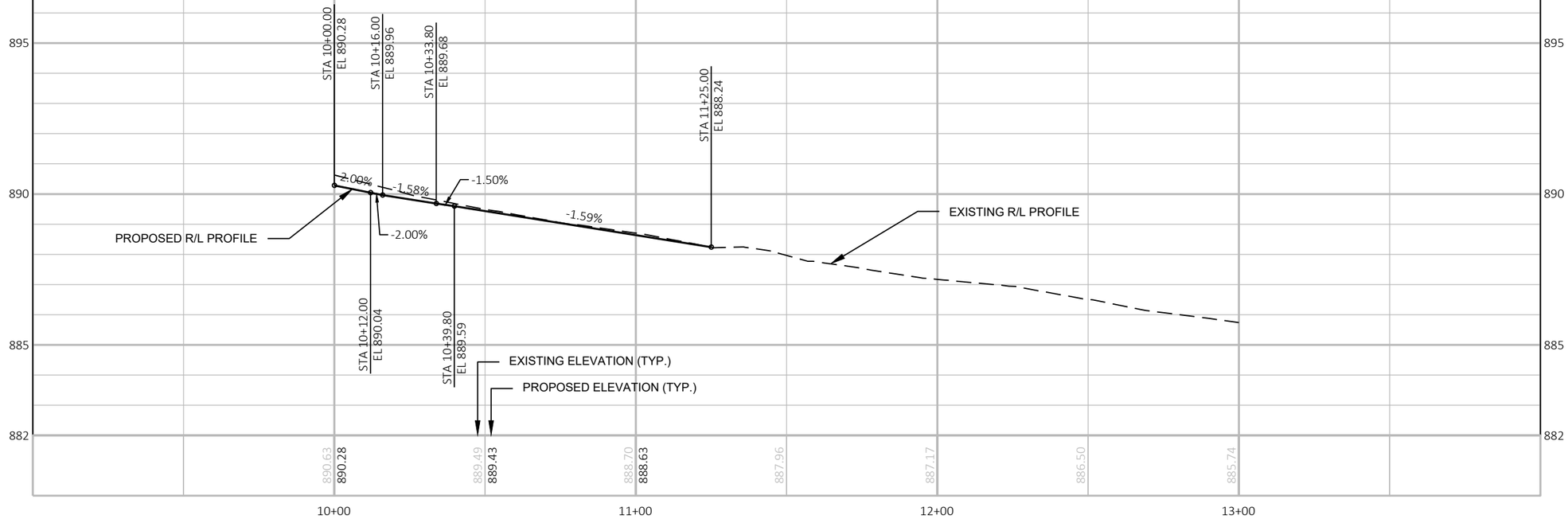
1280

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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: CLARK STREET	SHEET 190	E

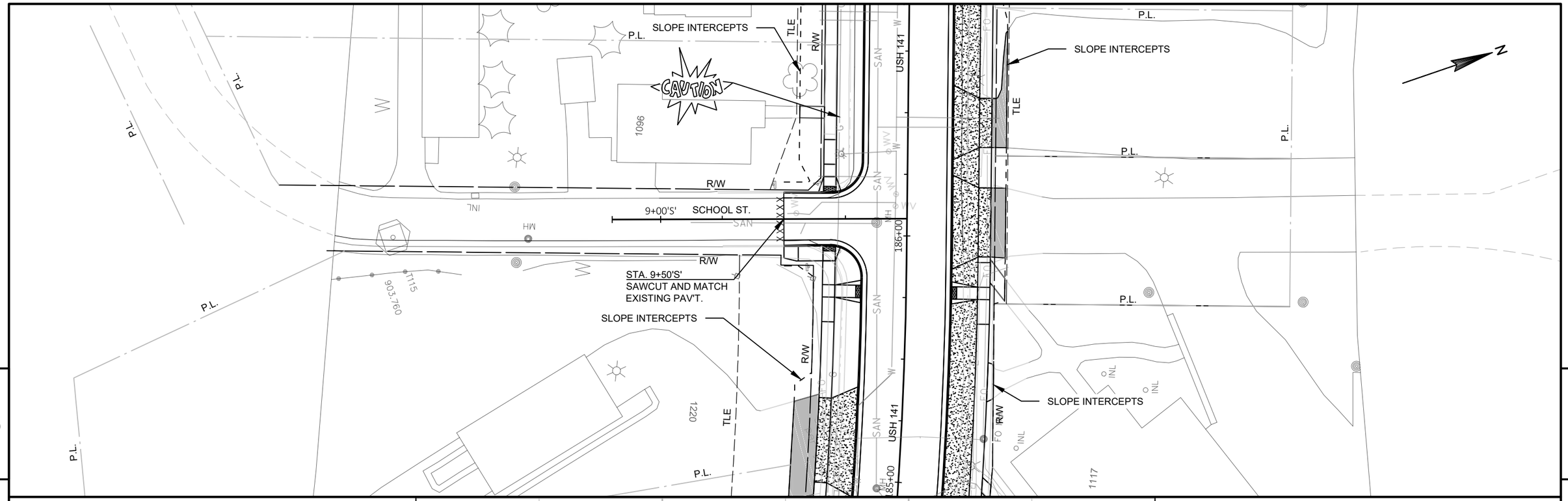


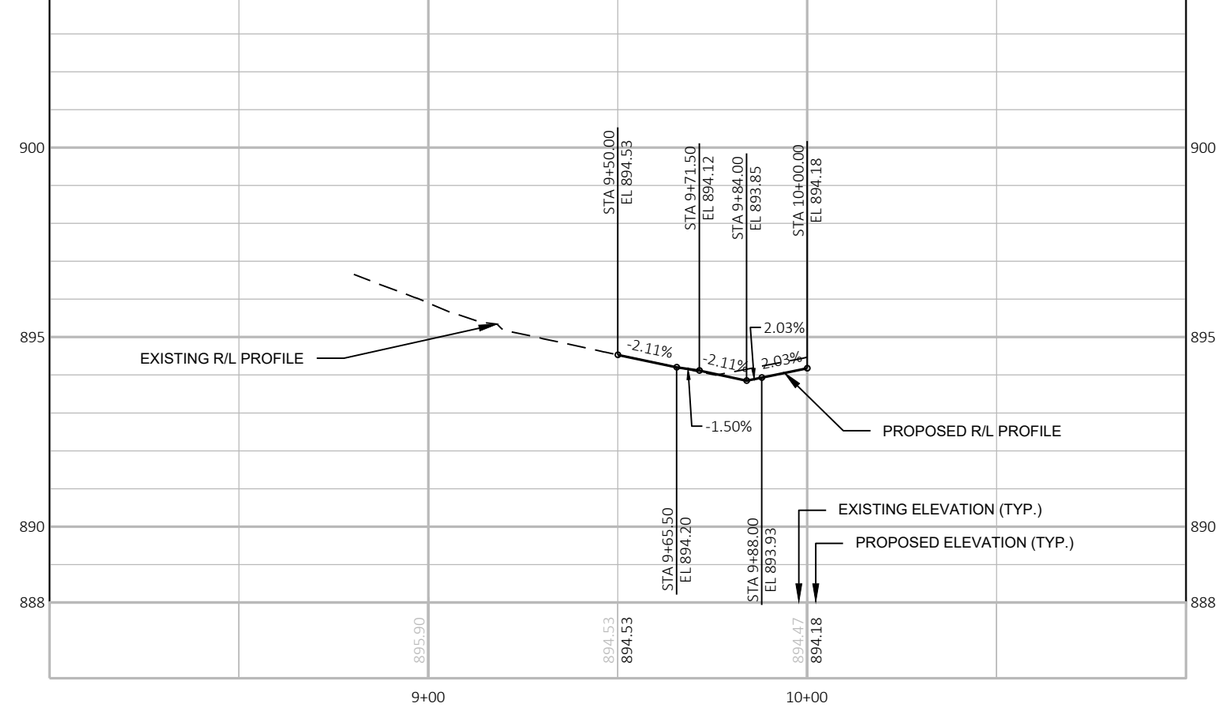


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: MAIN STREET	SHEET 191	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\050113_PP (MAIN STREET).DWG
LAYOUT NAME - 050513_pp

PLOT DATE : 2/25/2019 9:10 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:40 FT



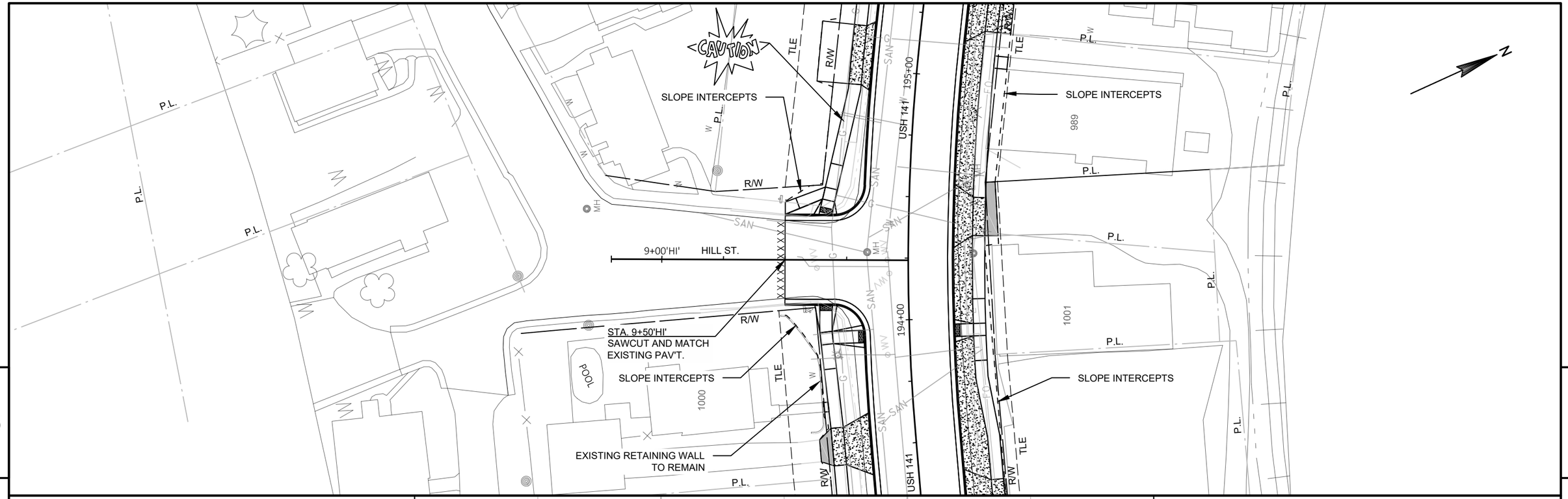


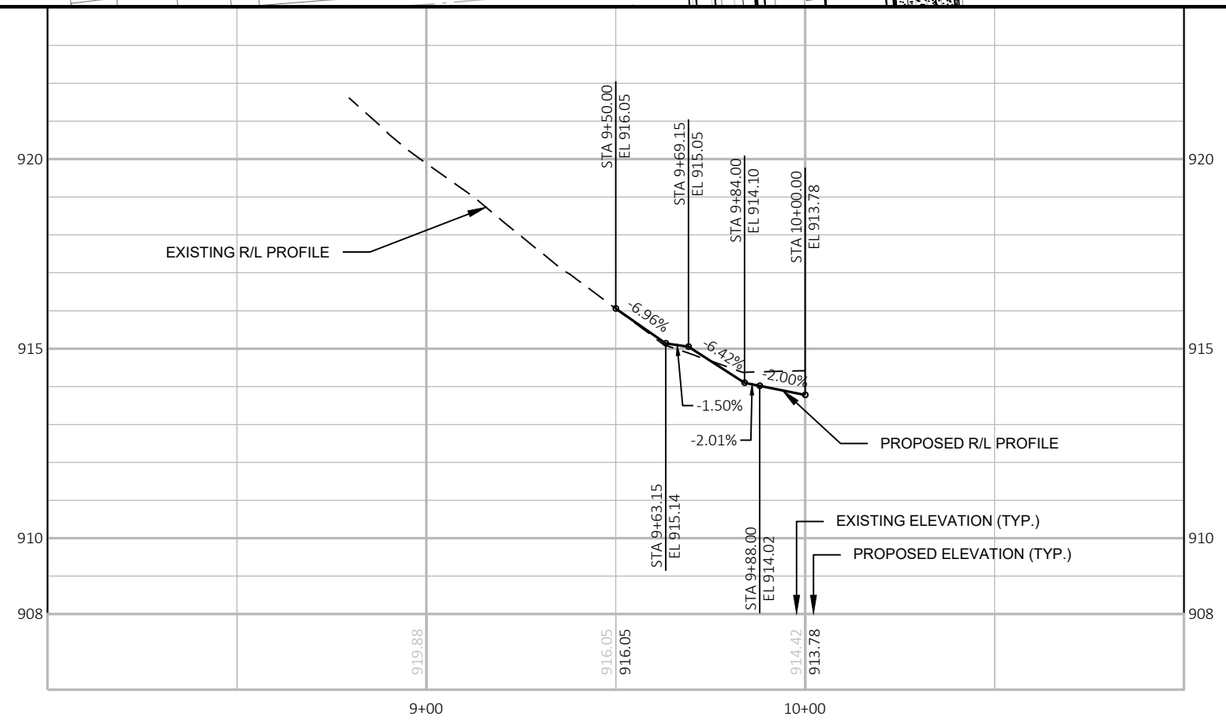
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: SCHOOL STREET	SHEET 192 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\050114_PP (SCHOOL STREET).DWG
LAYOUT NAME - 050514_pp

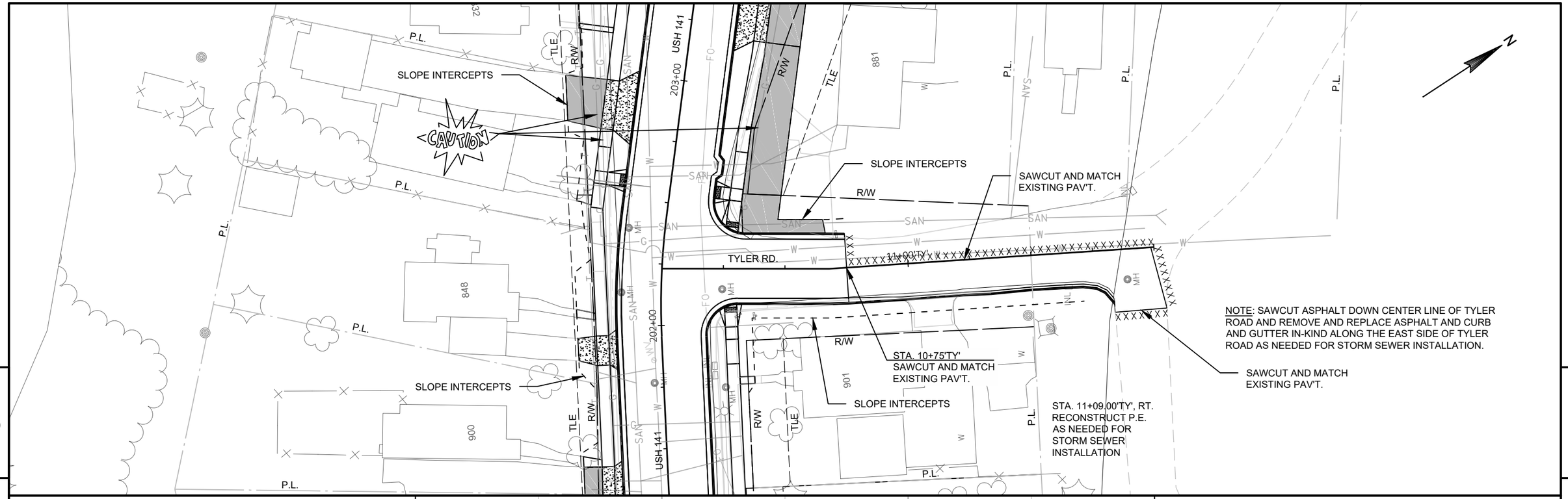
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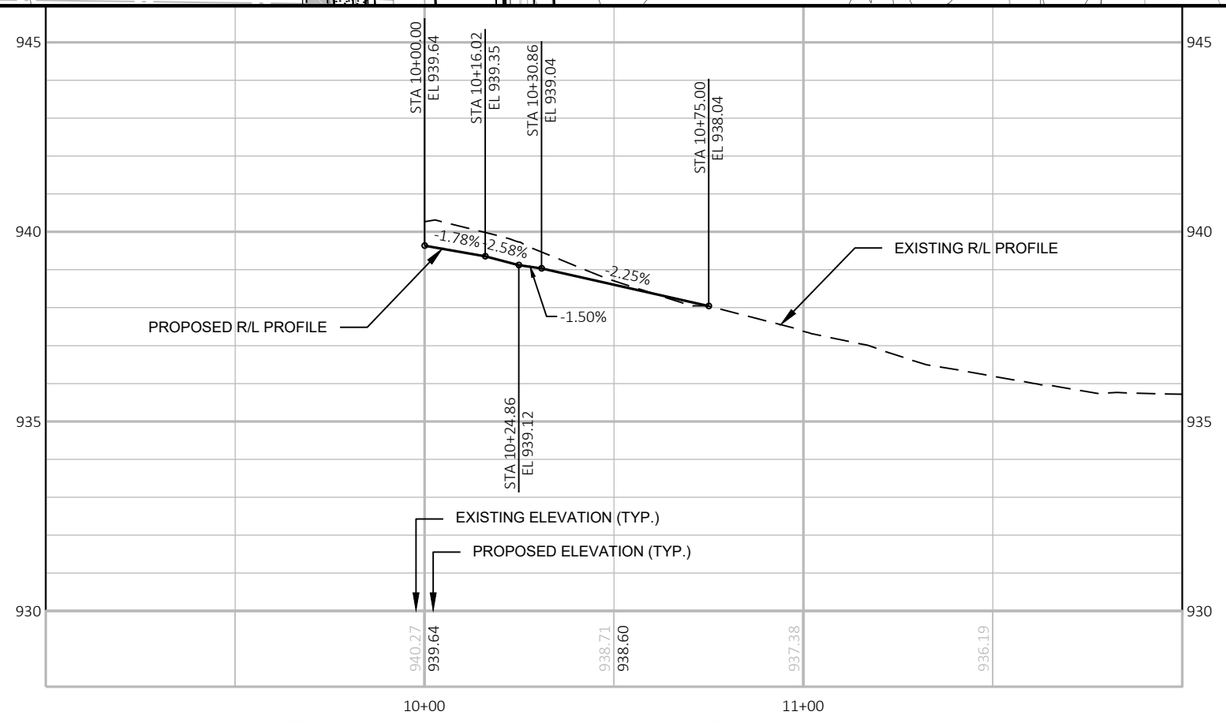
WISDOT/CADDS SHEET 44





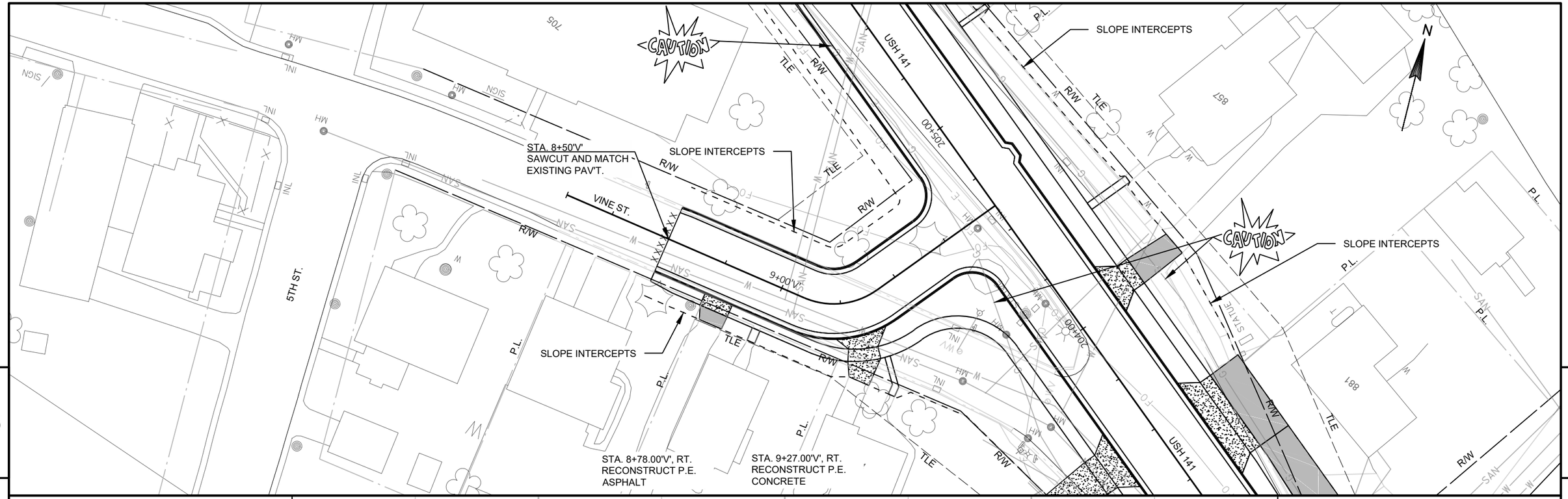
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: HILL STREET	SHEET 193	E

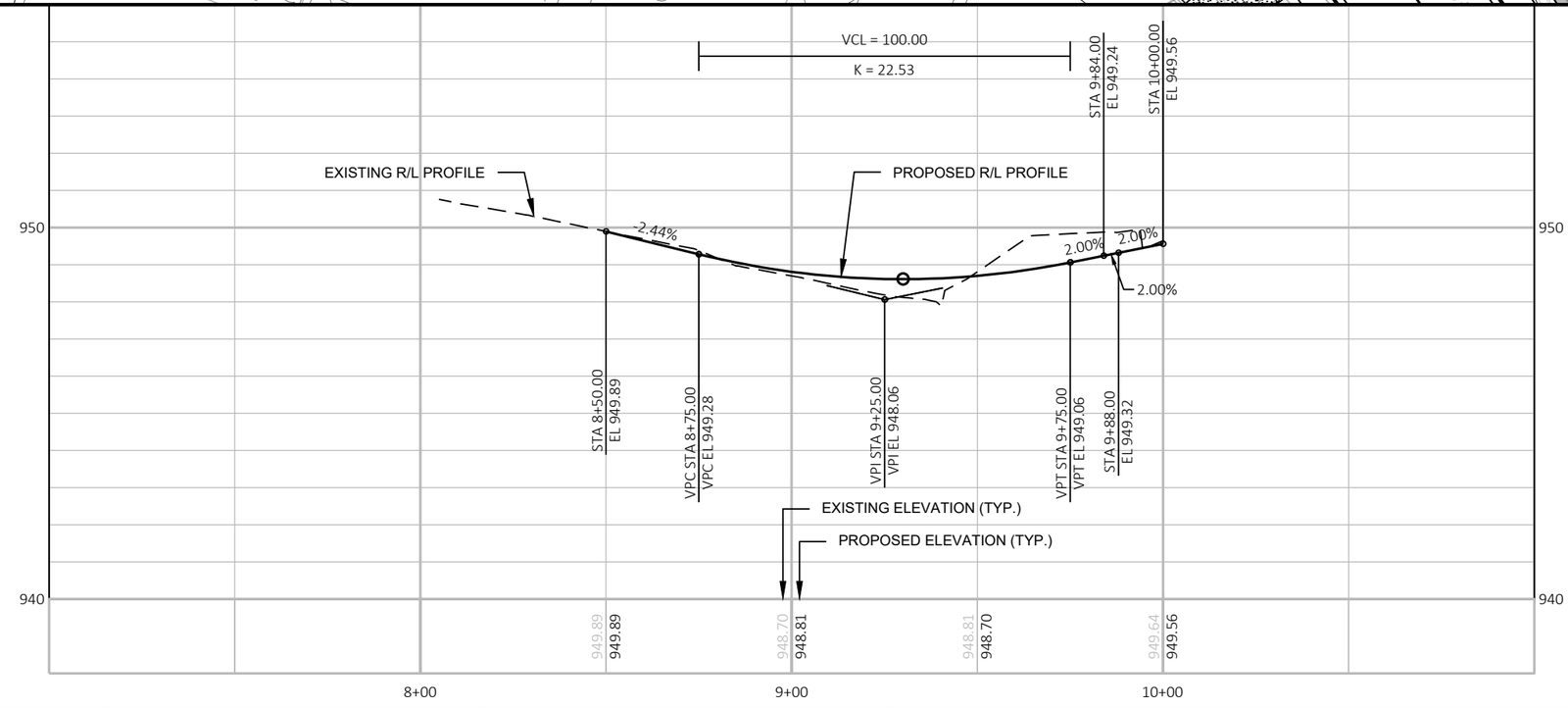




PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: TYLER ROAD	SHEET 194	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\050116_PP (TYLER ROAD).DWG
LAYOUT NAME - 050516_pp
PLOT DATE : 2/25/2019 9:32 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:40 FT





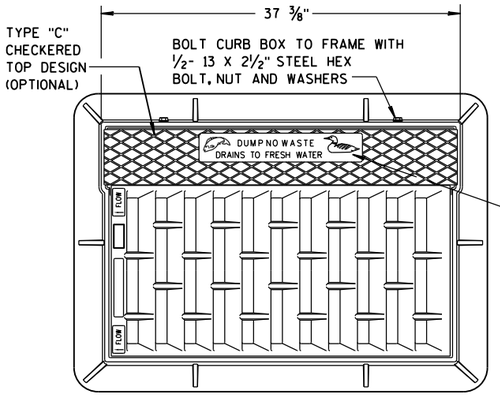
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	PLAN AND PROFILE: VINE STREET	SHEET 195	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\050117_PP (VINE STREET).DWG
LAYOUT NAME - 050517_pp
PLOT DATE : 2/25/2019 9:27 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

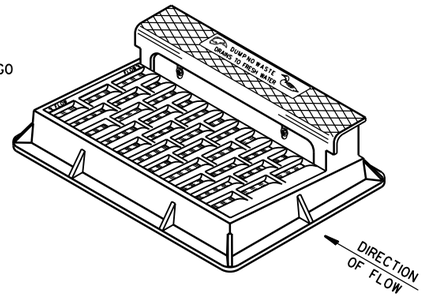
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19B	CURB RAMPS TYPES 2 AND 3
08D05-19C	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-02	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-02	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
08E14-01	TRACKING PAD
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
15B03-15B	FENCE CHAIN LINK
15C02-07A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-07B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-07C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-06	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-05A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-04A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-04B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-04C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

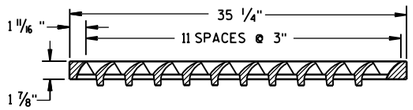
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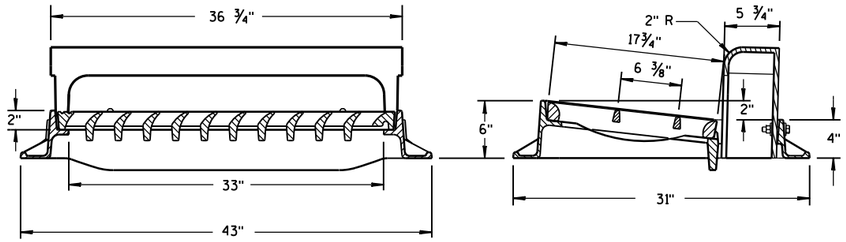


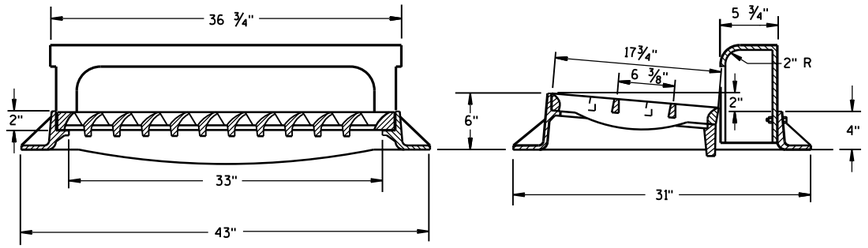
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

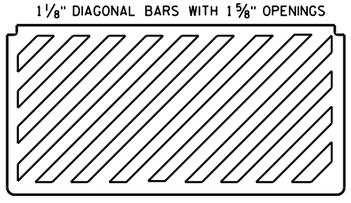






TYPE "H"

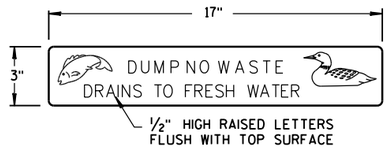
NOTE: EITHER CASTING IS ACCEPTABLE



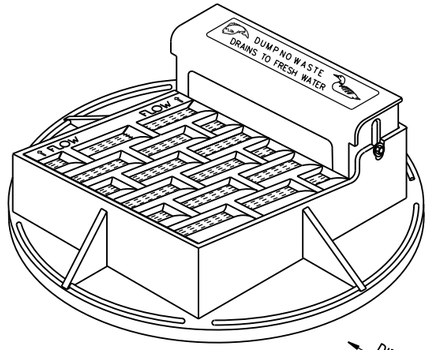
SPECIAL GRATE FOR TYPE "H" COVER

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

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

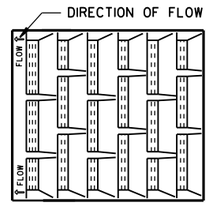
NOTE:
GRATE IS REVERSIBLE.

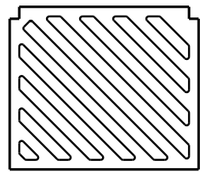
GENERAL NOTES

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

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

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

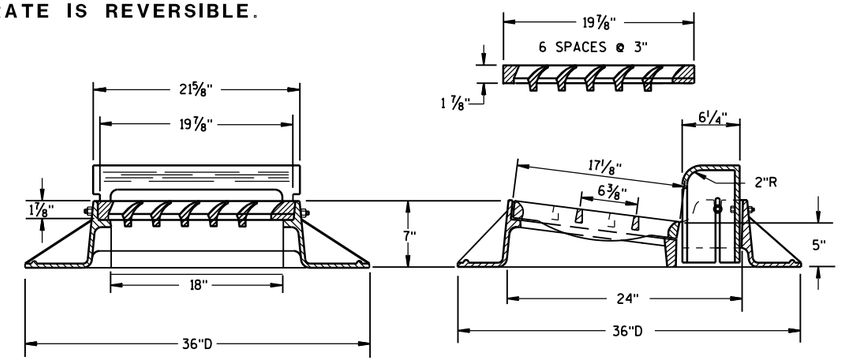




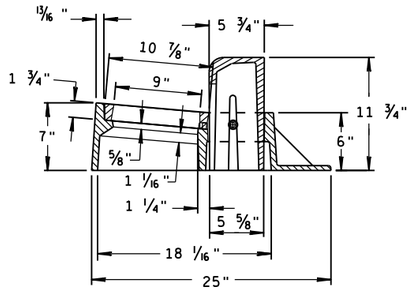
SPECIAL GRATE FOR TYPE "A" COVER

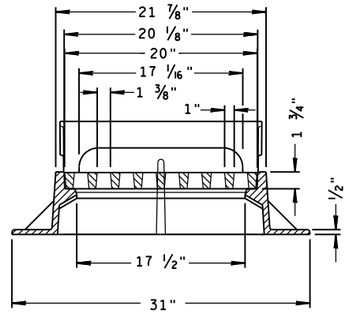
(MEASURES 19 3/4" X 17" X 1 7/8")

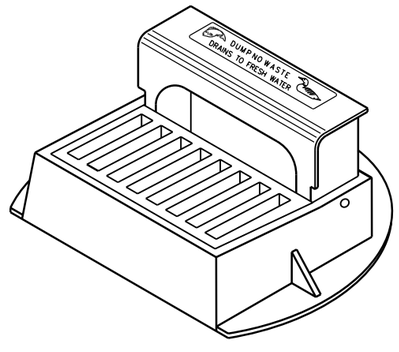
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

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

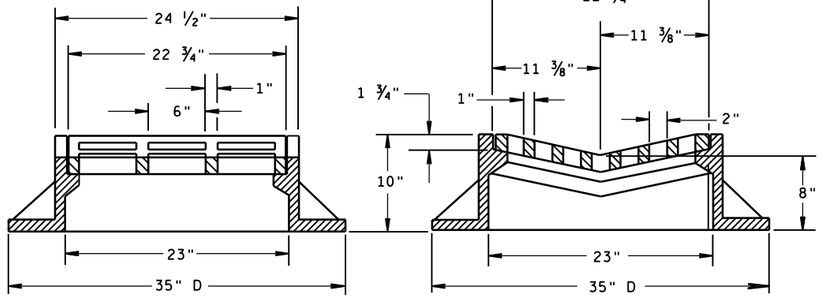
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

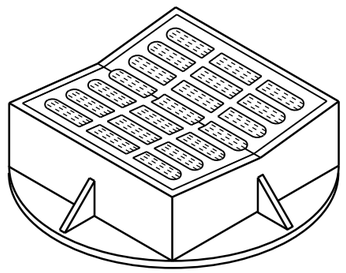
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER

FHWA

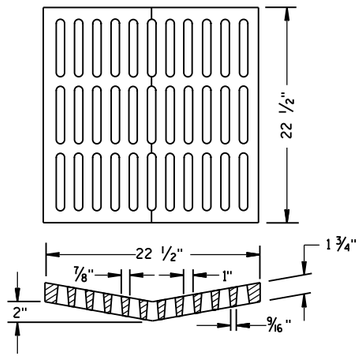
6

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



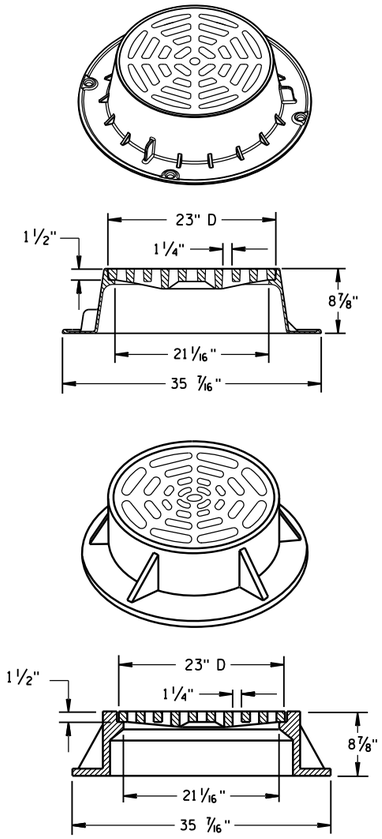


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

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



TYPE "C"

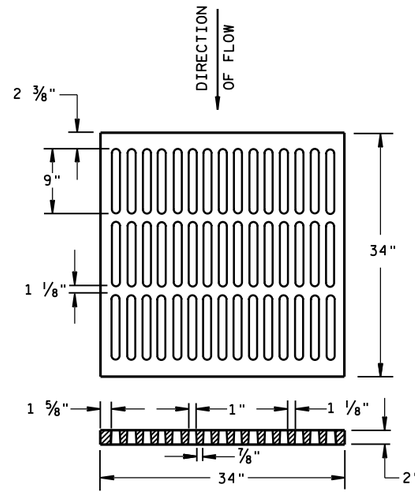
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

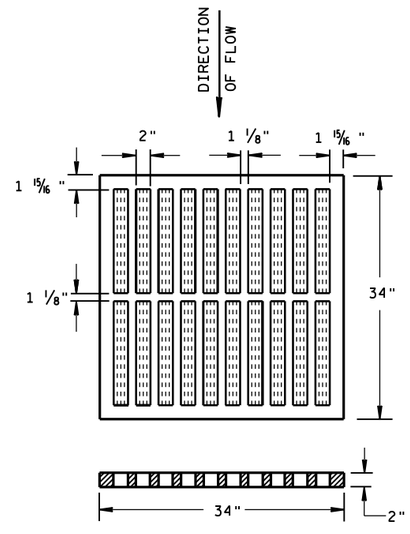
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



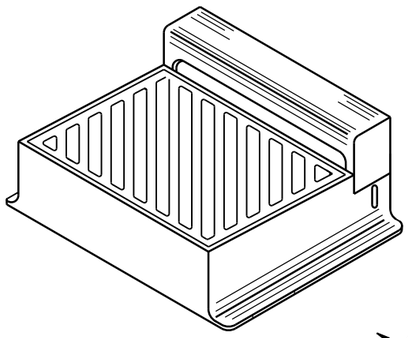
ALTERNATIVE TYPE "MS"

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

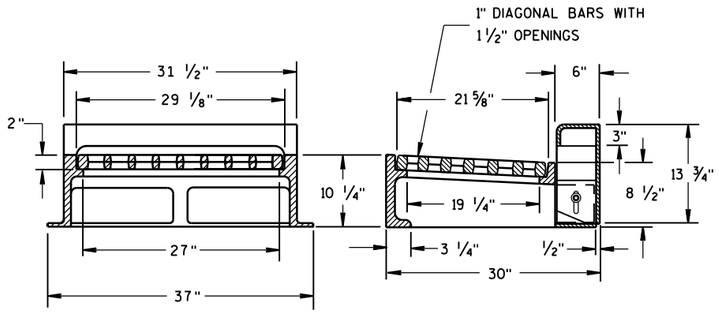


TYPE "MS"

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



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



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

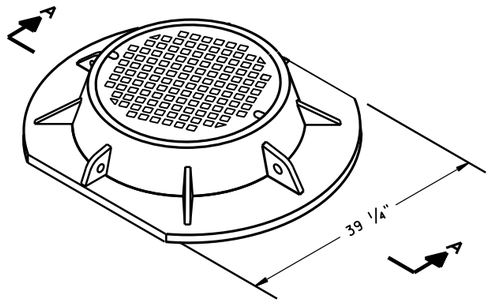
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

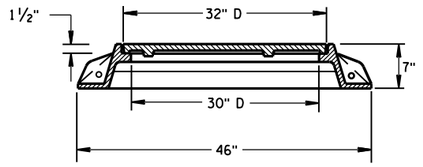
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

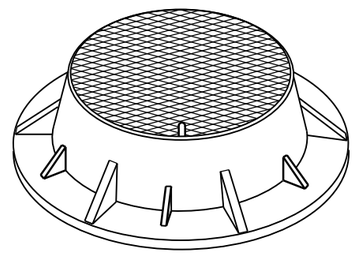
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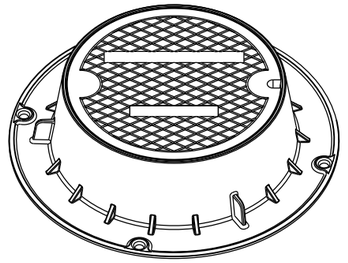
S.D.D. 8 A 5-19b

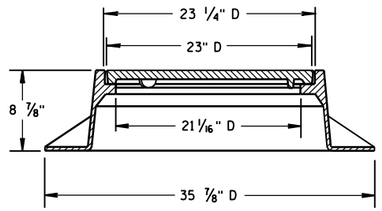


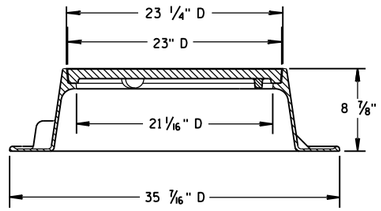


SECTION A-A
TYPE "K"









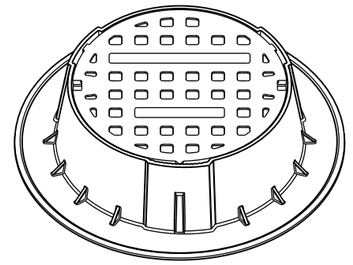
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

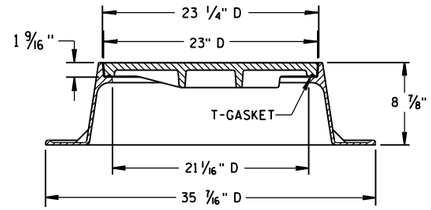
GENERAL NOTES

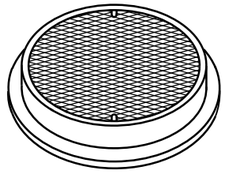
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

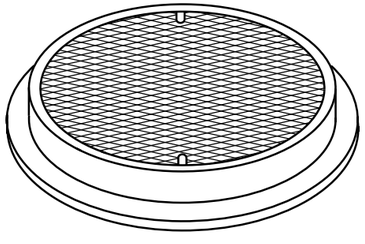
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

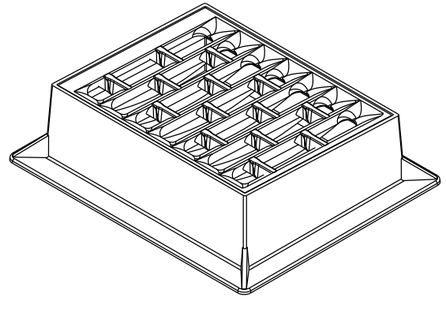
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

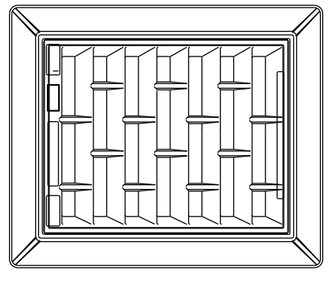


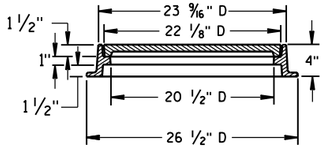




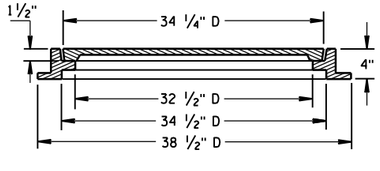




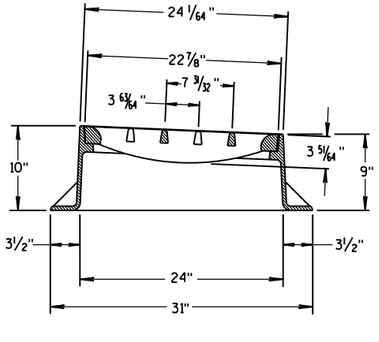


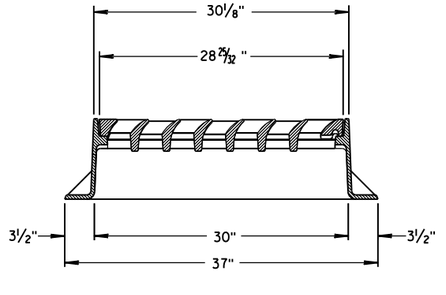


TYPE "L"

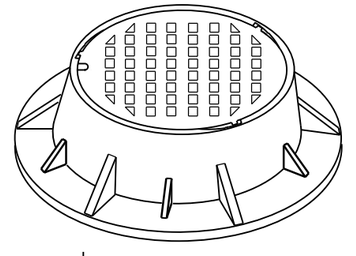


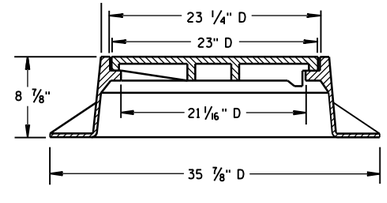
TYPE "M"





INLET COVER TYPE "BW"





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

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

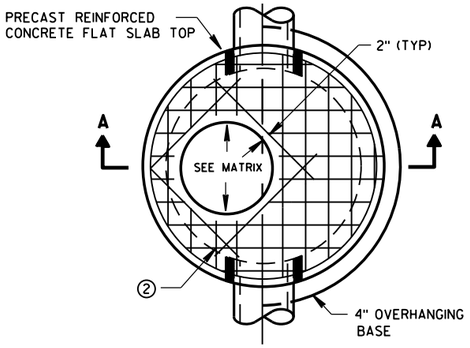
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

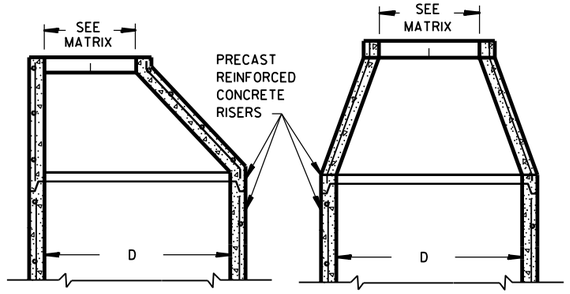
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

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

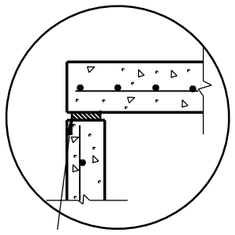


PLAN VIEW CIRCULAR OPENING

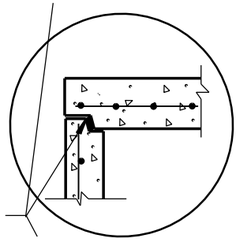


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

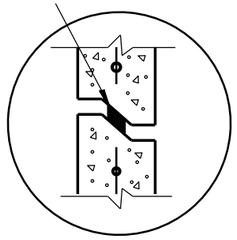


TOP WITH PLAIN END JOINT



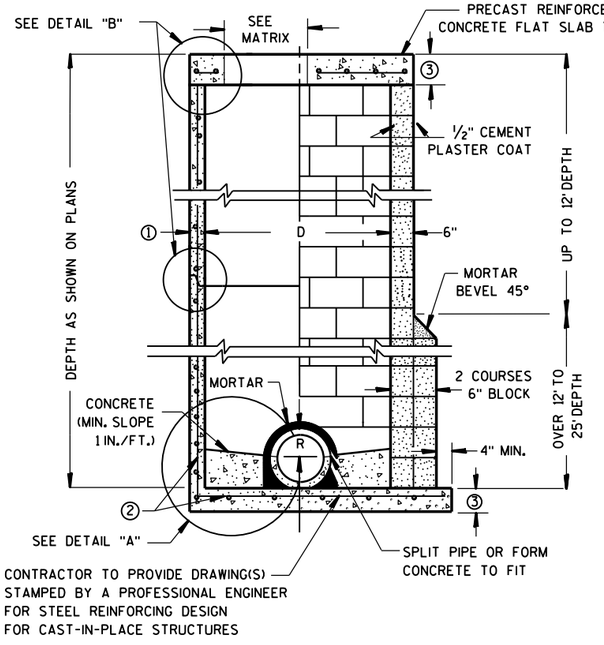
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



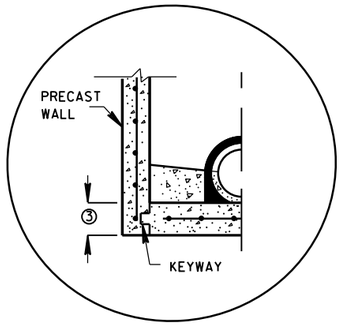
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

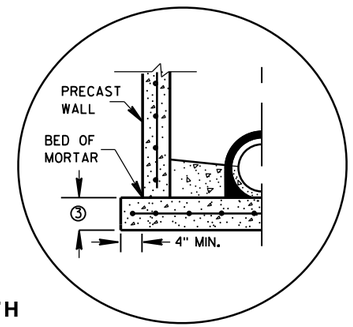


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

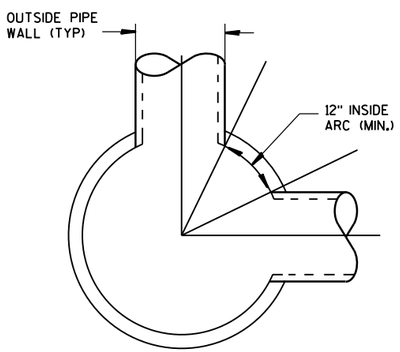


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

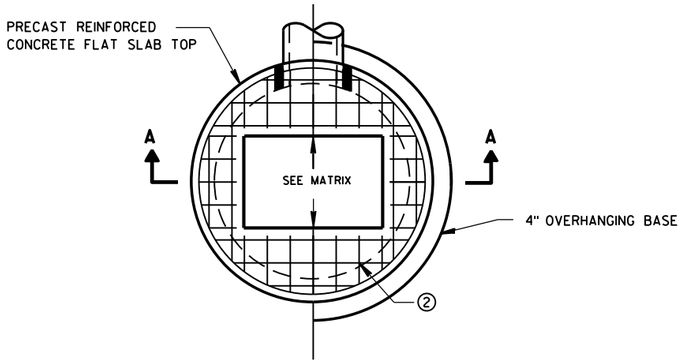
Sept., 2016
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

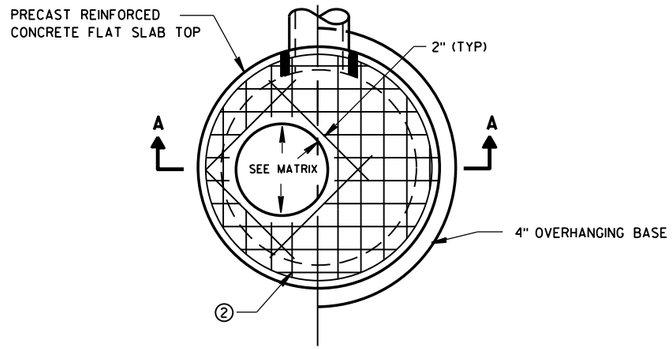
FHWA

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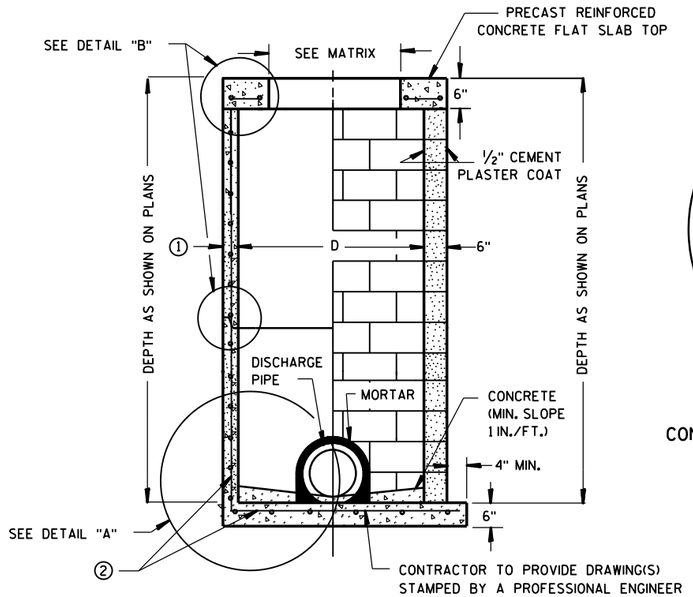
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S.D.D. 8 B 9-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

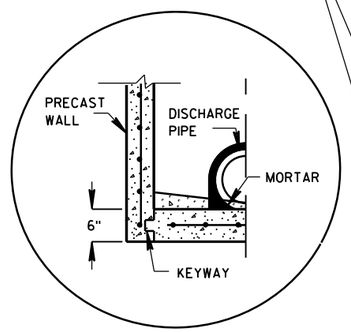


SECTION A-A

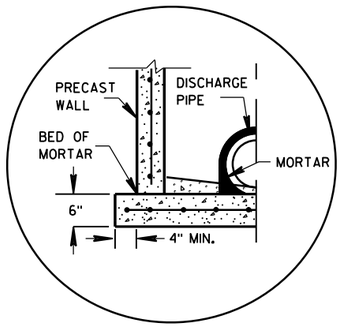
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

CIRCULAR INLETS W/ FLAT TOP

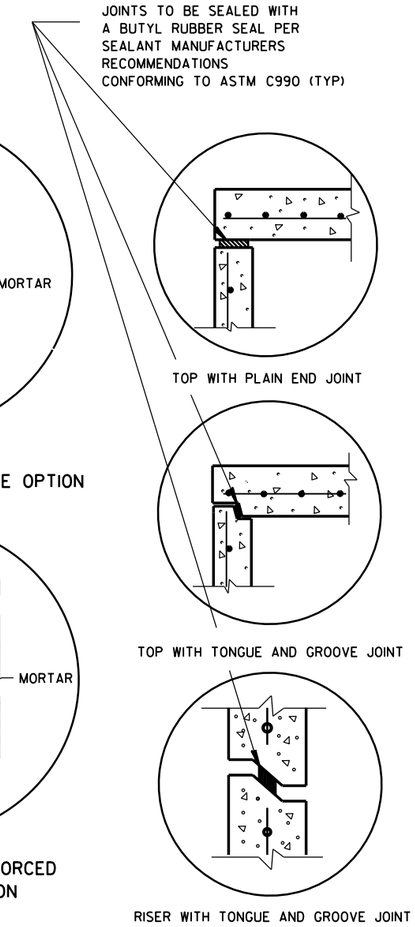


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

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

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

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

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

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

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

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

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

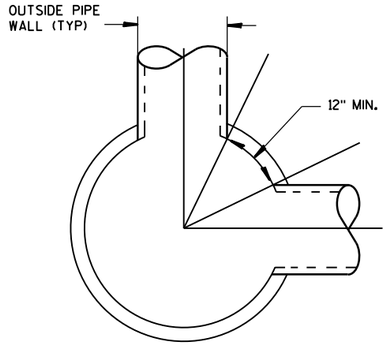
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

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

INLET COVER OPENING MATRIX

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



DETAIL "C"

PIPE MATRIX

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

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

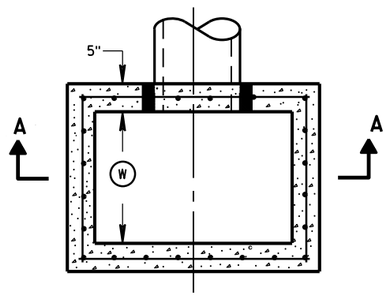
APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

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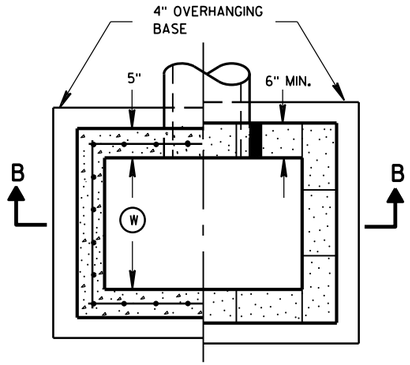
S.D.D. 8 C 6-2

6

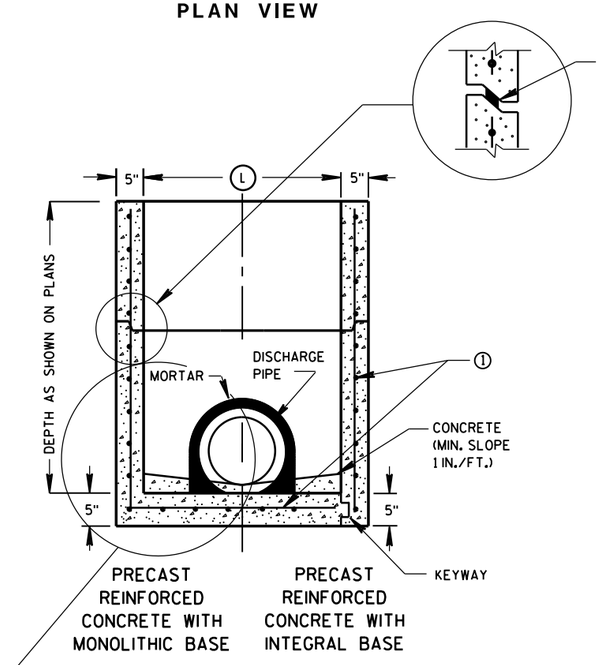
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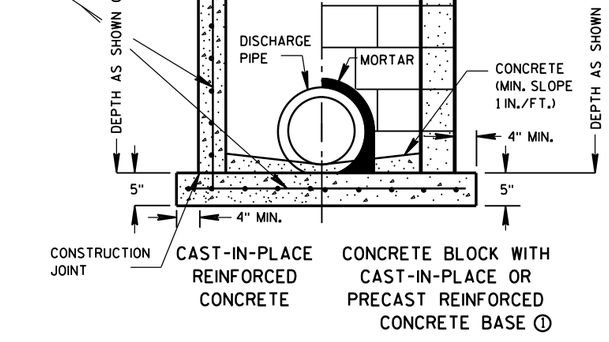
PLAN VIEW



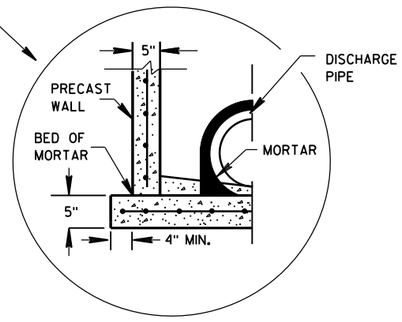
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

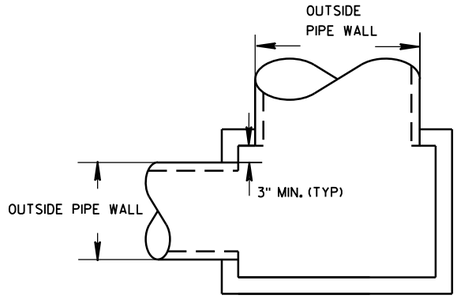
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

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

PIPE MATRIX

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



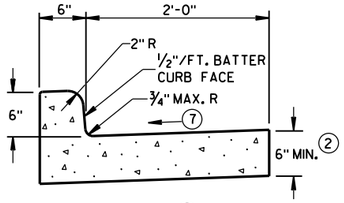
DETAIL "A"

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

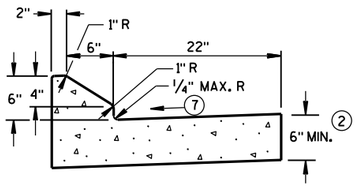
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DEPARTMENT OF TRANSPORTATION

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

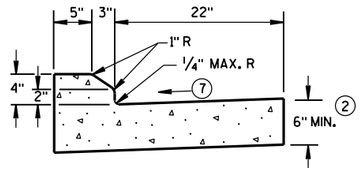
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT



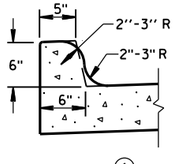
TYPES A (1) & D



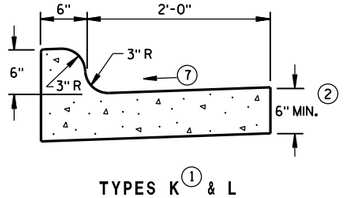
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

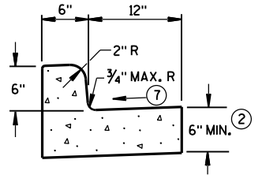


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



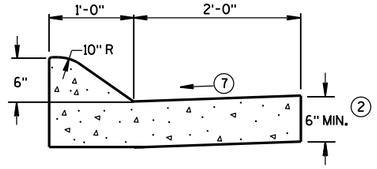
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

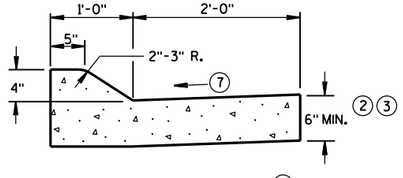


TYPES A (1) & D

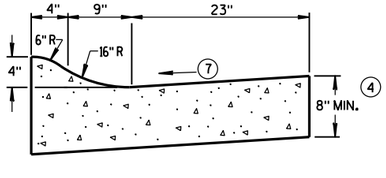
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

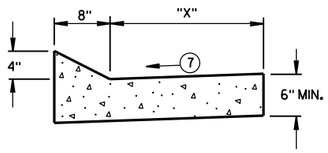


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

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

GENERAL NOTES

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

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

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

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

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

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

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

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

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

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

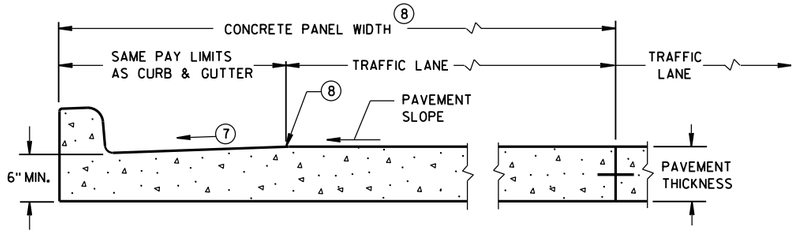
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

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

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

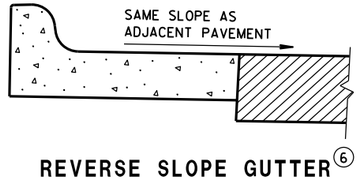
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT *
WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



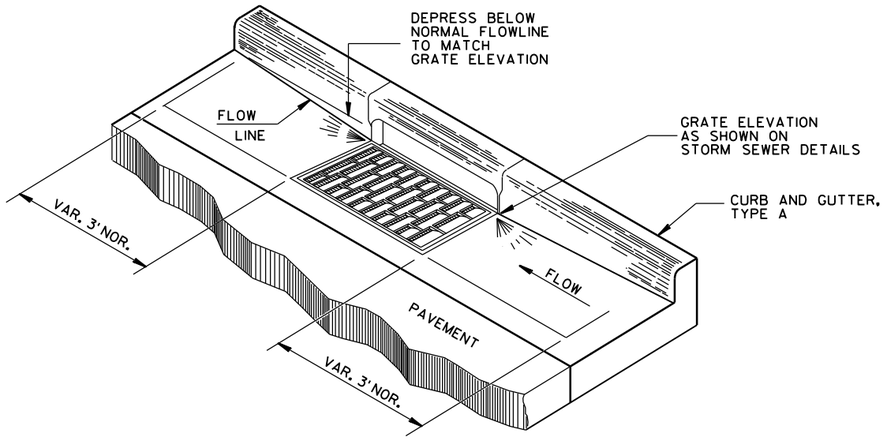
REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

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

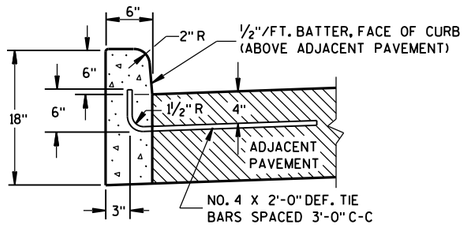
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

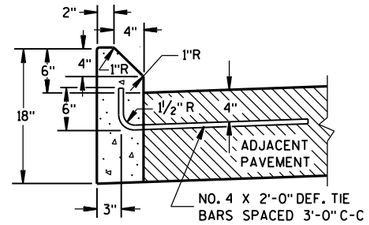
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

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

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

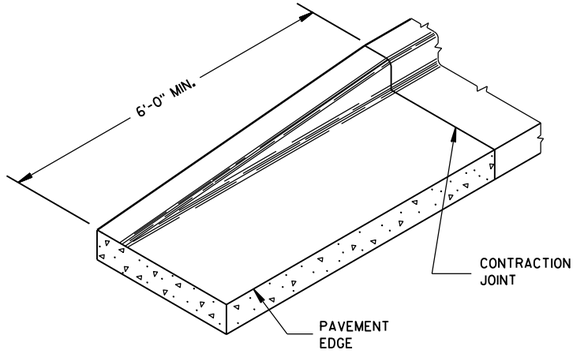


TYPES A(1) & D

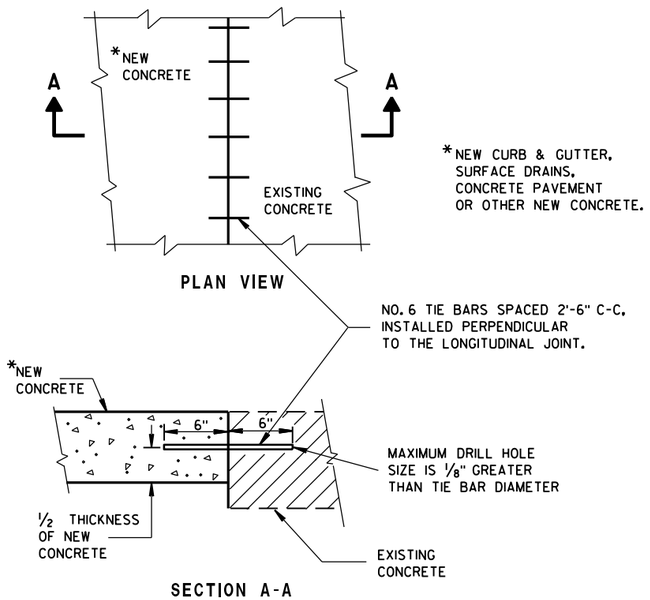


TYPES G(1) & J

CONCRETE CURB



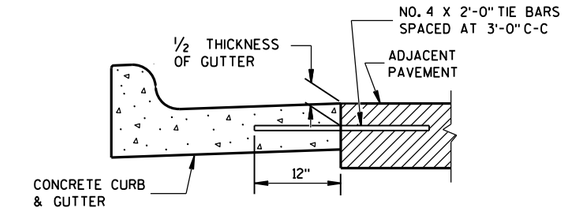
END SECTION CURB & GUTTER



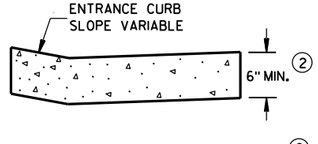
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

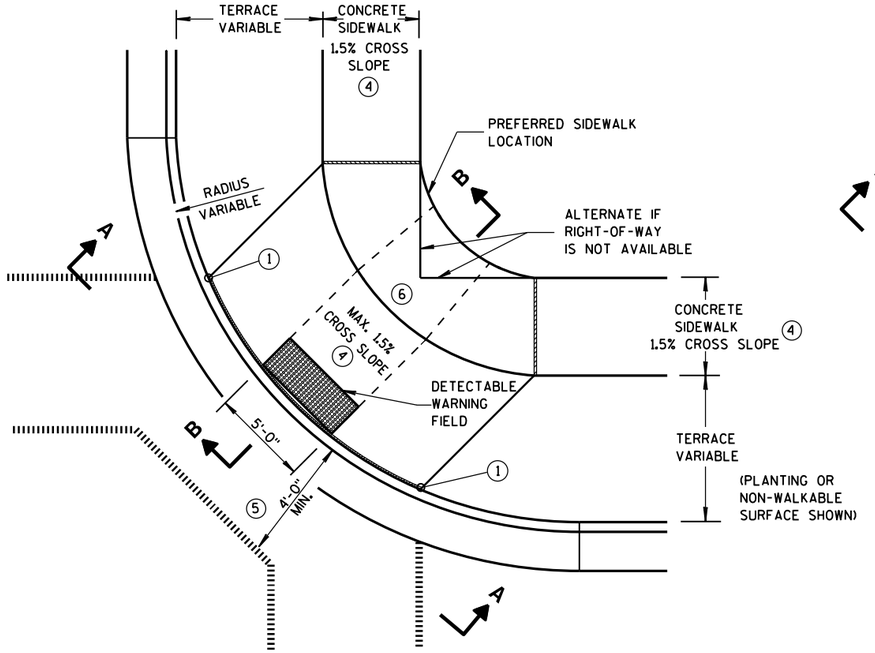
APPROVED
June, 2017 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS 204 ENT
UNIT SUPERVISOR
FHWA

6

S.D.D. 8 D 1-20b

6

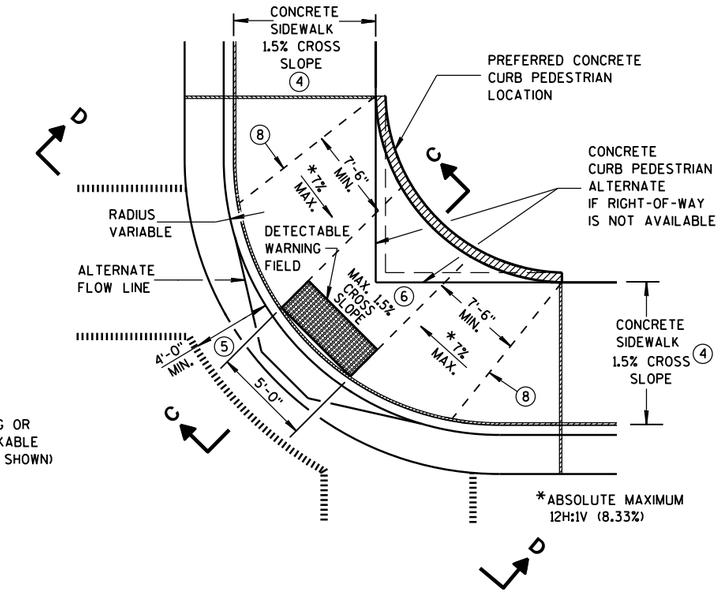
S.D.D. 8 D 1-20b



PLAN VIEW

TYPE 1 RAMP

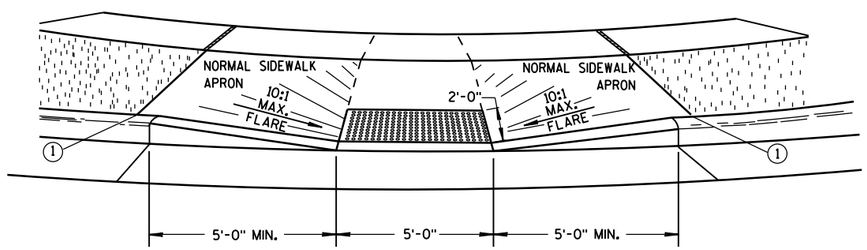
(CENTER OF CORNER RADIUS)



PLAN VIEW

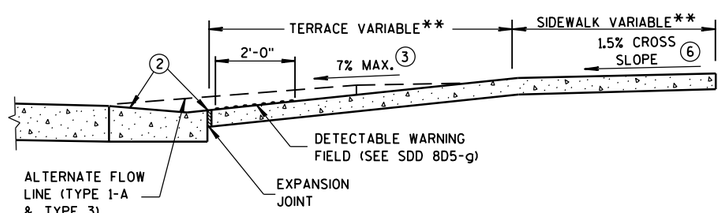
TYPE 1-A RAMP

(NO TERRACE)

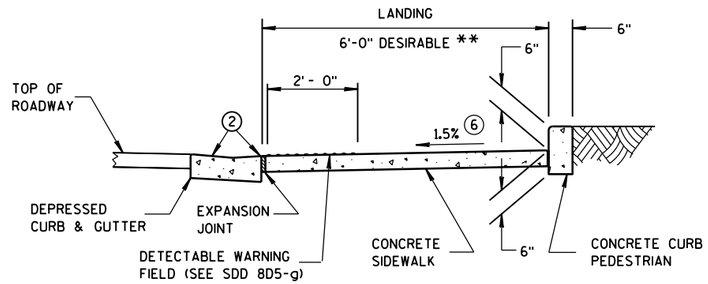


VIEW A-A

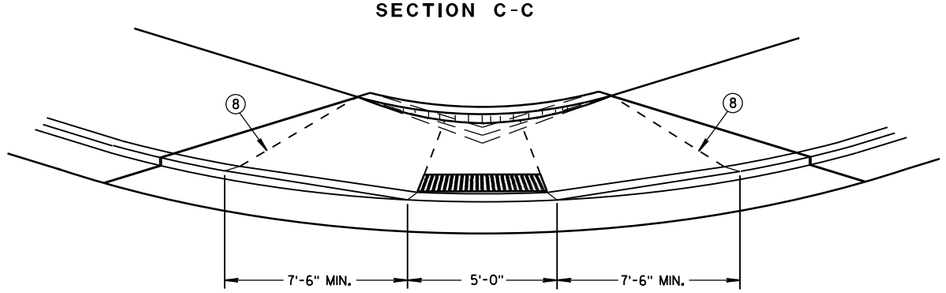
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

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

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

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

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

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

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

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

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

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

LEGEND

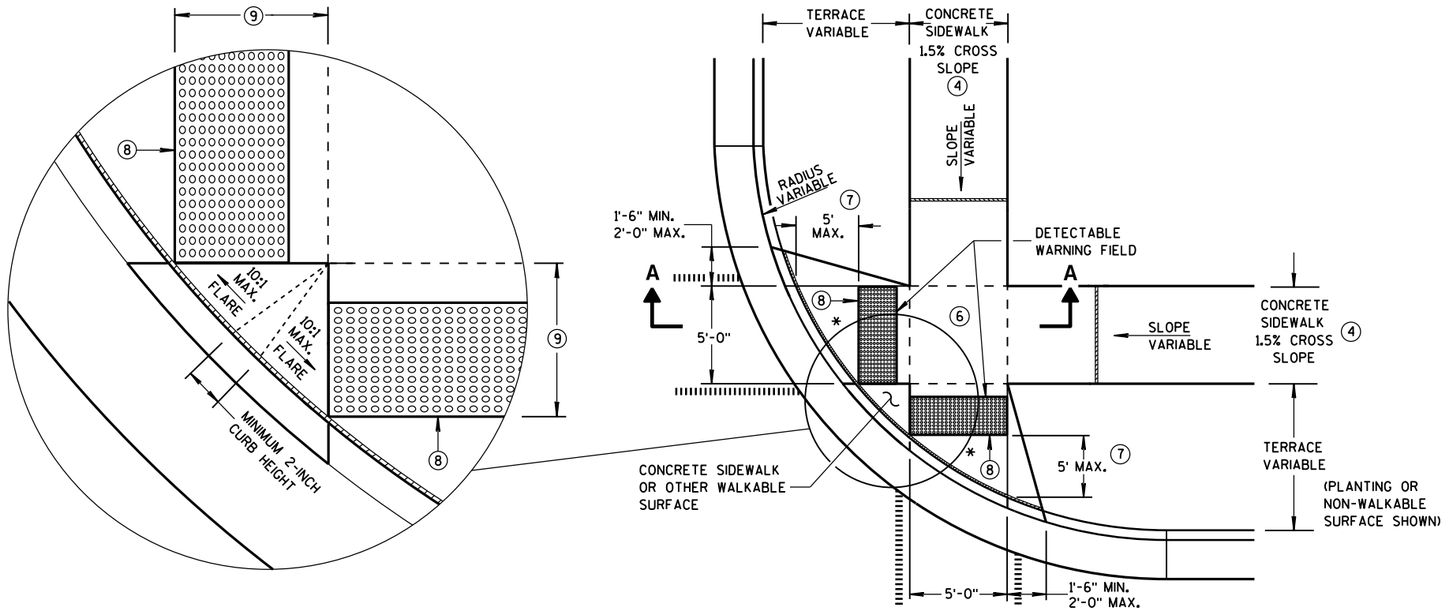
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

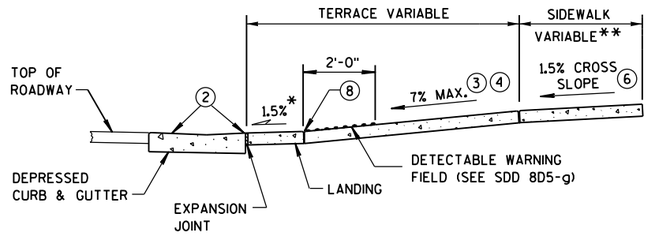
6

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



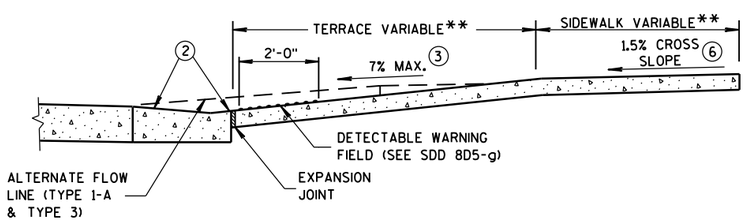
PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)

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

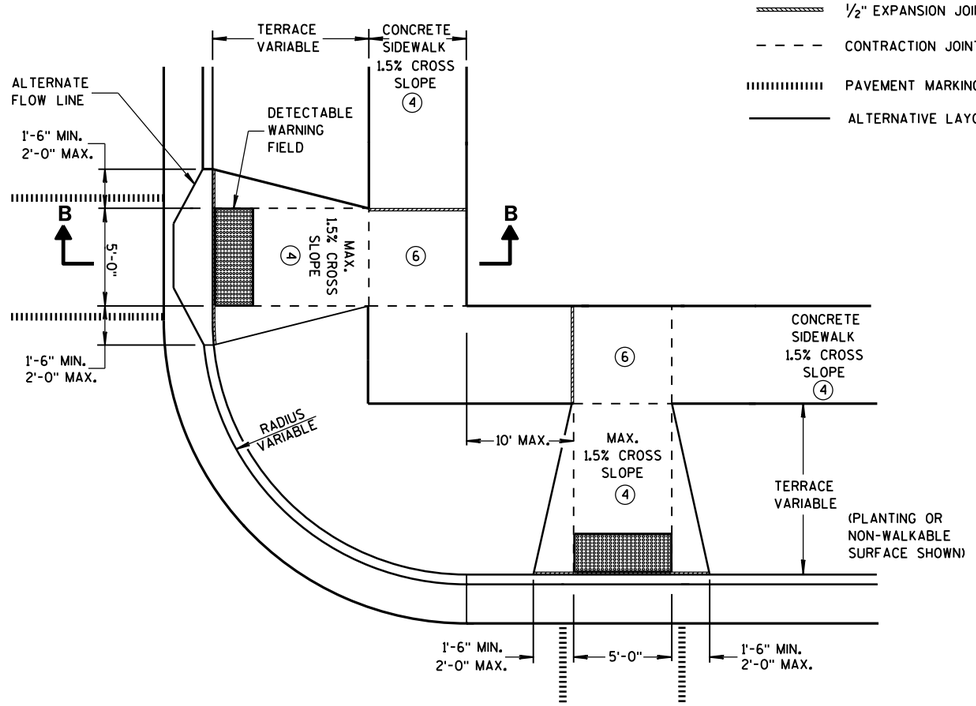


SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

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

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

LEGEND

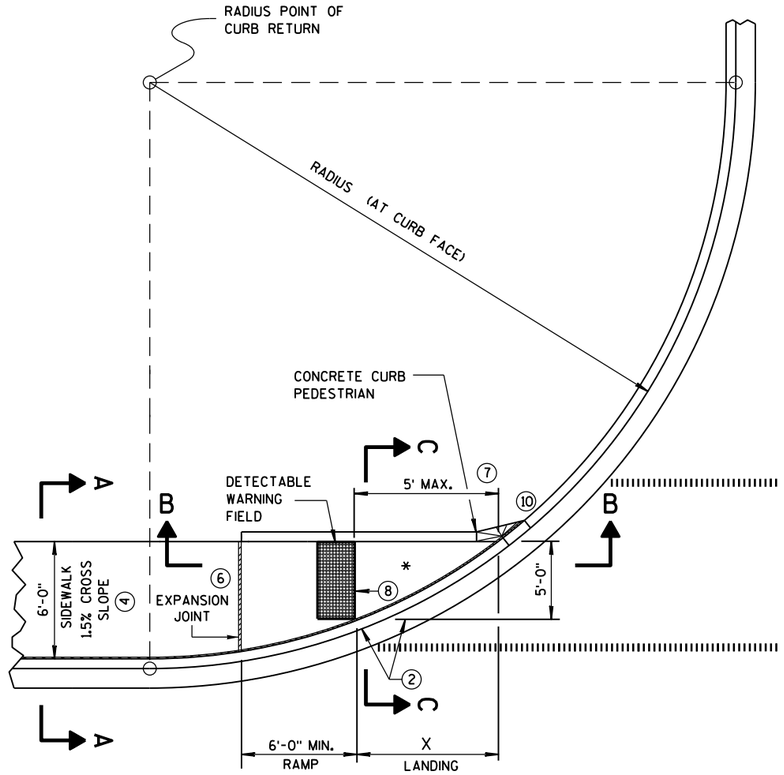
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

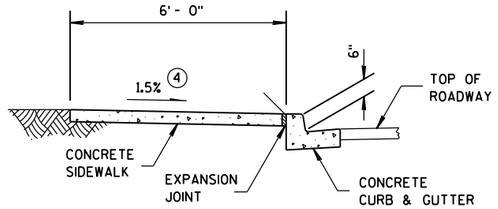
S.D.D. 8 D 5-19b



CURB RAMP TYPE 4A
PLAN VIEW

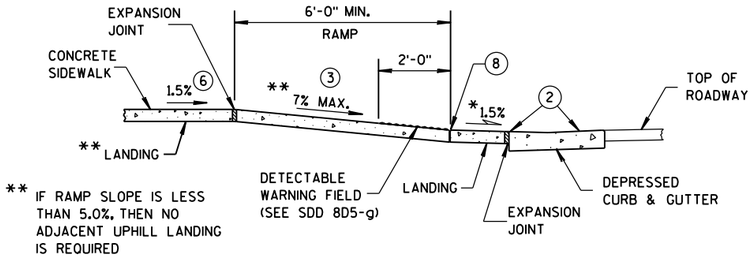
RADIUS (AT CURB FACE)	X
10 FEET	4'-7"
15 FEET	6'-5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

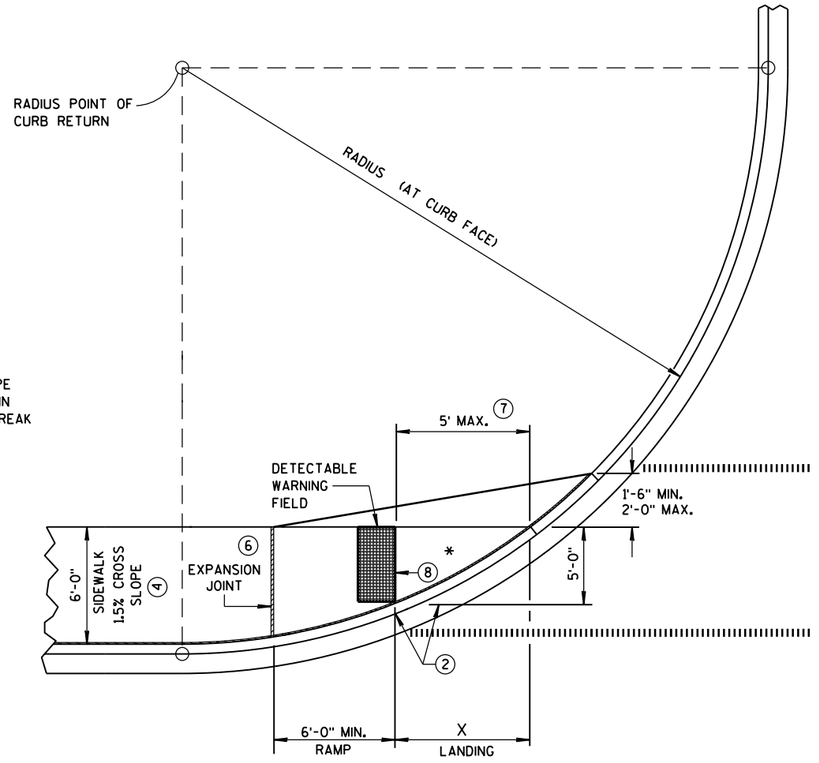
SECTION C-C FOR TYPE 4A



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

SECTION B-B FOR TYPE 4A

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



CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

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

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

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

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

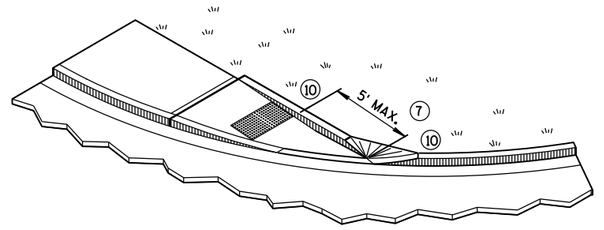
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

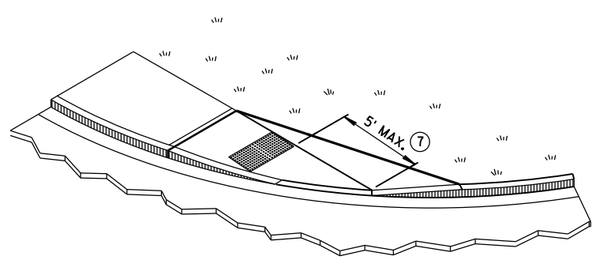
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

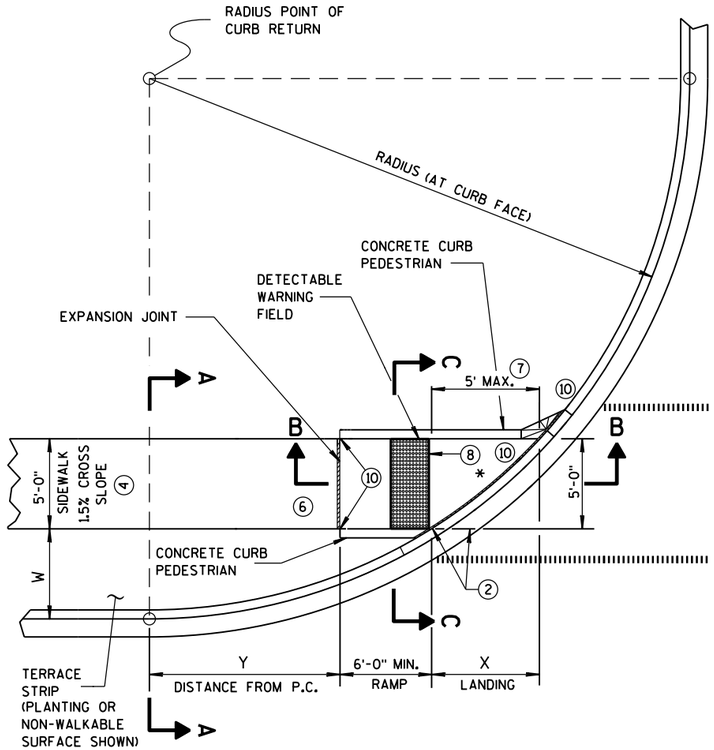
CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)

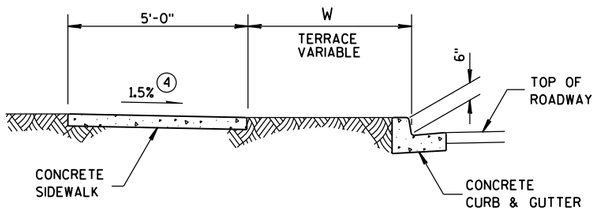
CURB RAMPS TYPES 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

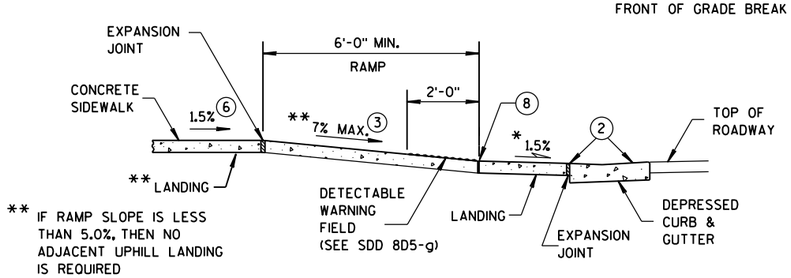
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S.D.D. 8 D 5-19c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



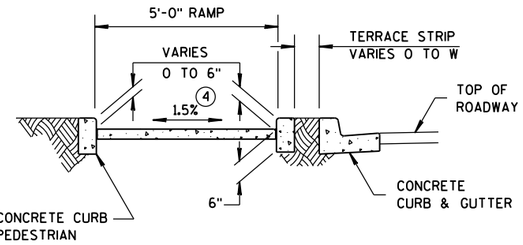
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

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

SECTION B-B FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"		W = 8'-0"		W = 9'-0"		W = 10'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2'-10¼"	0'-5"	2'-1"	1'-4½"	1'-5"	2'-1"	0'-10"	2'-7½"	0'-3¼"	3'-0¼"						
15 FEET	4'-6¾"	2'-1¾"	3'-9"	3'-5¼"	3'-1¼"	4'-6"	2'-6¾"	5'-4½"	2'-1"	6'-1"	1'-8"	6'-8½"	1'-3¼"	7'-2½"	0'-10¾"	7'-7¼"
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-7"	3'-3"	8'-6½"	2'-10"	9'-4½"	2'-5½"	10'-1¼"	2'-1¼"	10'-9"
30 FEET			6'-9¼"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"	4'-5½"	13'-7¾"	4'-0¾"	14'-8½"	3'-8½"	15'-8¼"
40 FEET									6'-1¾"	15'-8½"	5'-8"	17'-2"	5'-3"	18'-5¾"	4'-10¾"	19'-8¼"
50 FEET															5'-10¼"	23'-2"

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



SECTION C-C FOR TYPE 4B

GENERAL NOTES

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

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

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

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

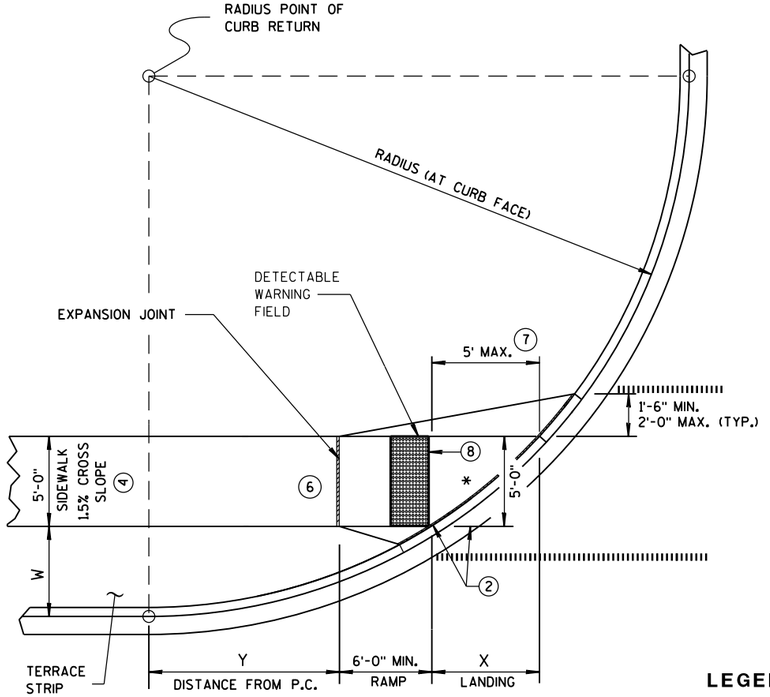
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

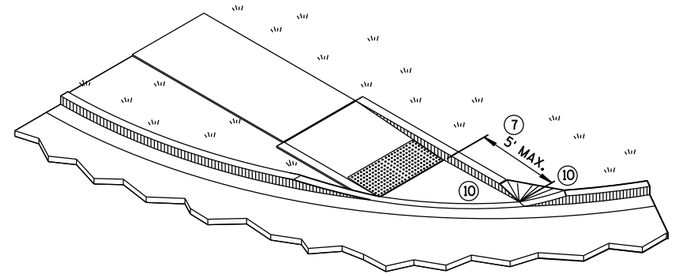
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

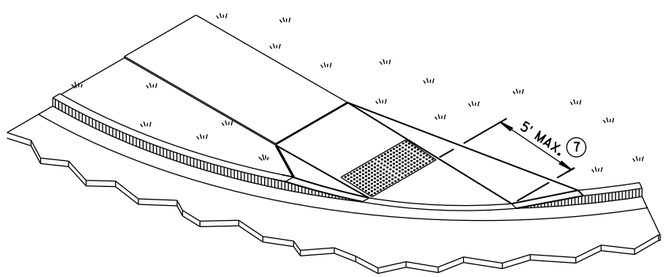
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

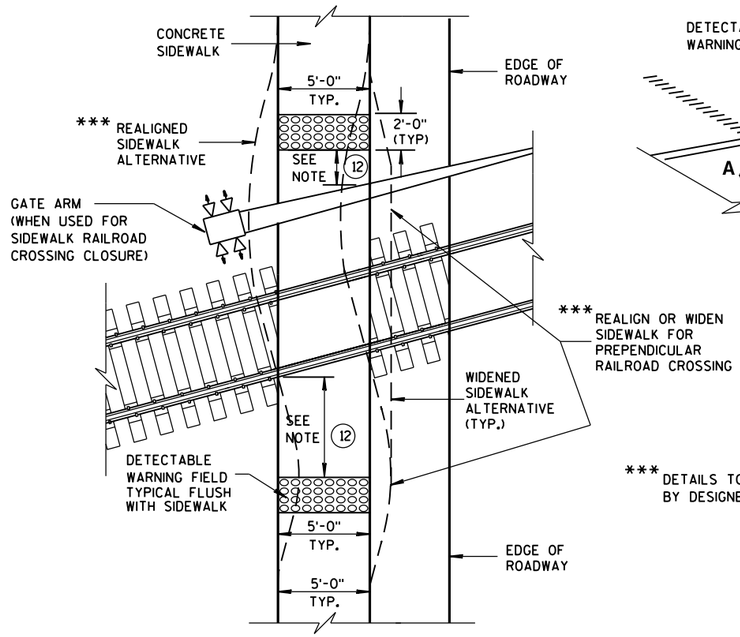
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

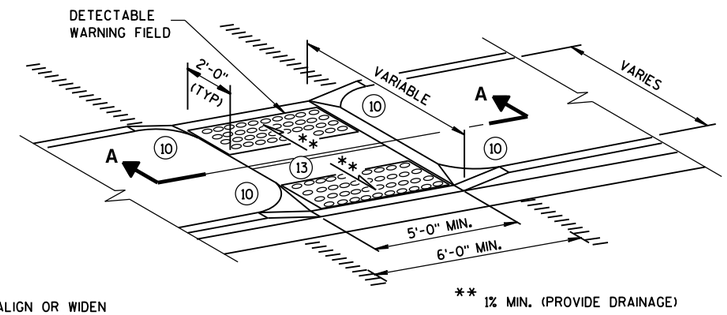
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S.D.D. 8 D 5-19d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING

*** DETAILS TO BE DETERMINED BY DESIGNER



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED PEDESTRIAN CROSSING
TYPE 5

GENERAL NOTES

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

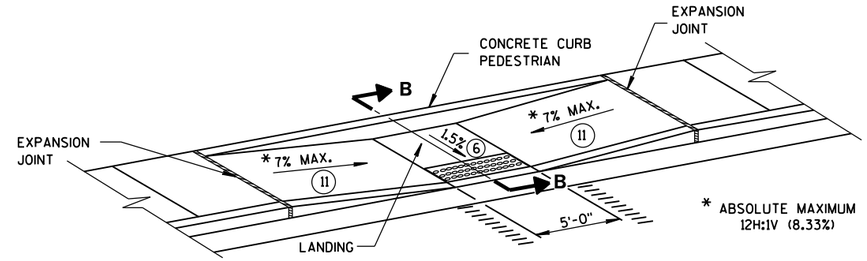
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

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

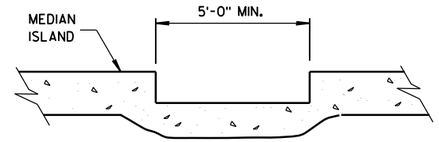
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

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

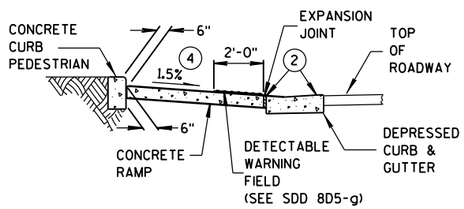
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



MID-BLOCK CROSSING
TYPE 7A

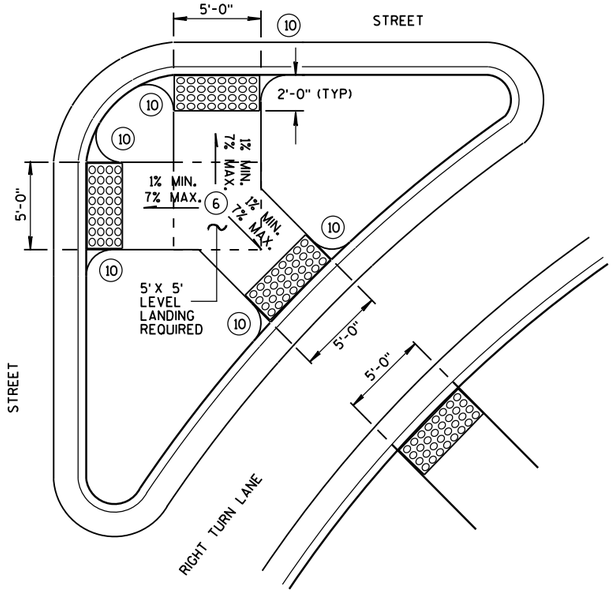


SECTION A-A

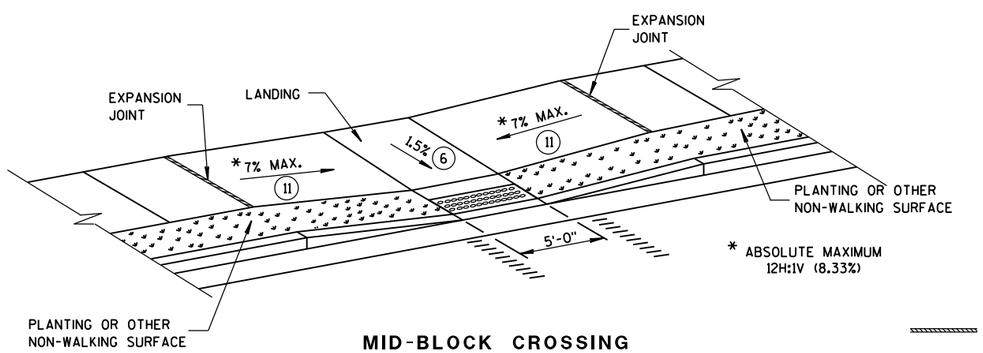


SECTION B-B

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



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

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

LEGEND

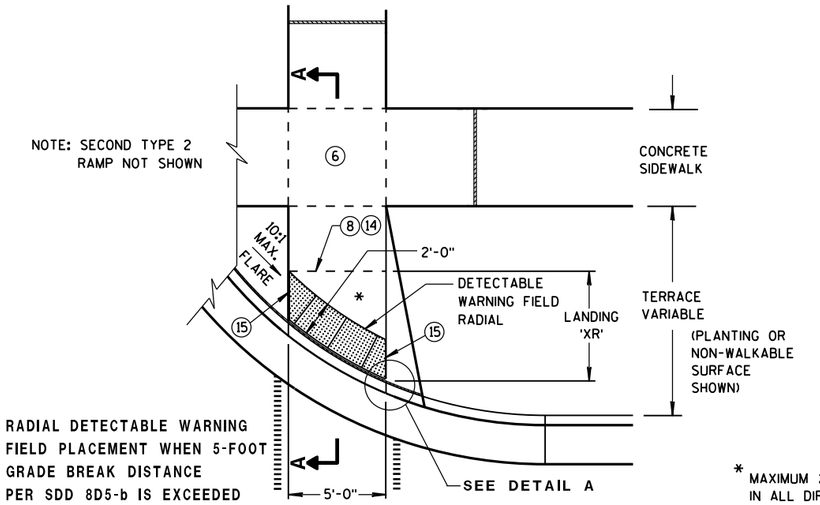
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-19e

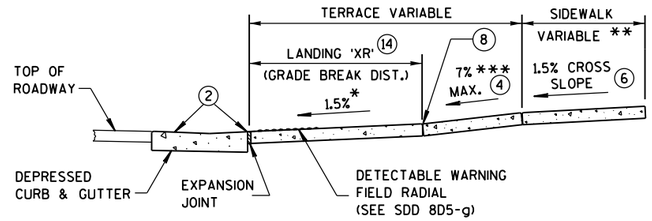


TYPE 2 RAMP
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)

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

LEGEND

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



** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION A-A

GENERAL NOTES

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

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

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

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

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

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

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

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

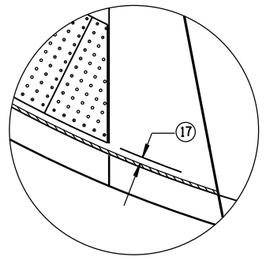
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

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

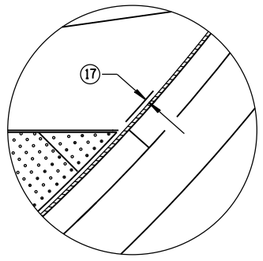
(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

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

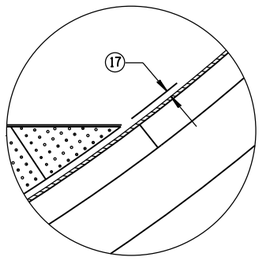
(17) A MAXIMUM 3-INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.



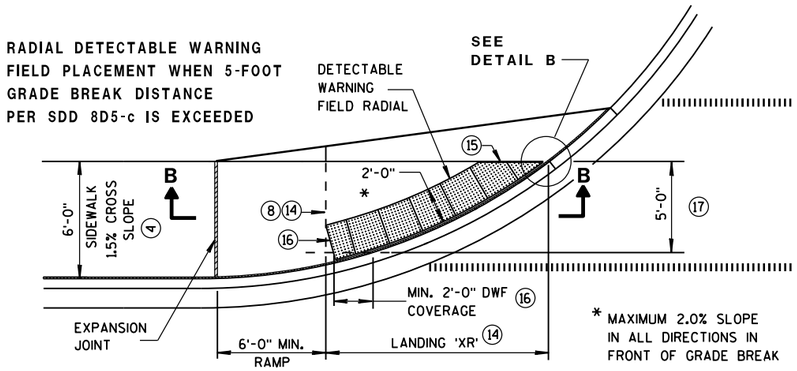
DETAIL A



DETAIL C

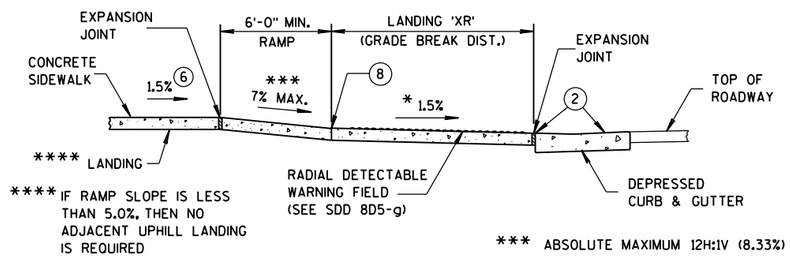


DETAIL B



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

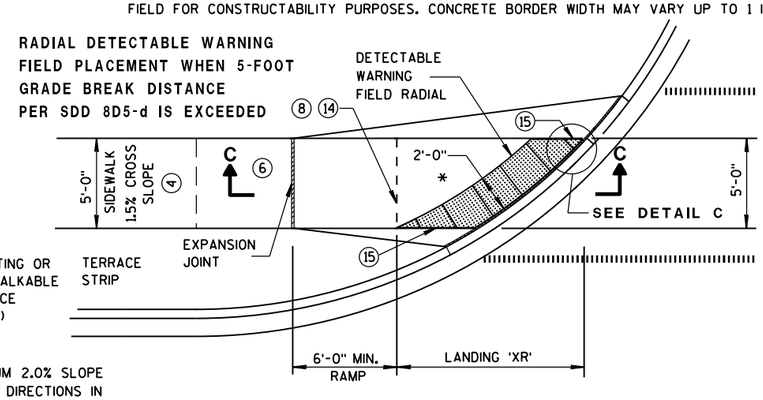
CURB RAMP TYPE 4A1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



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

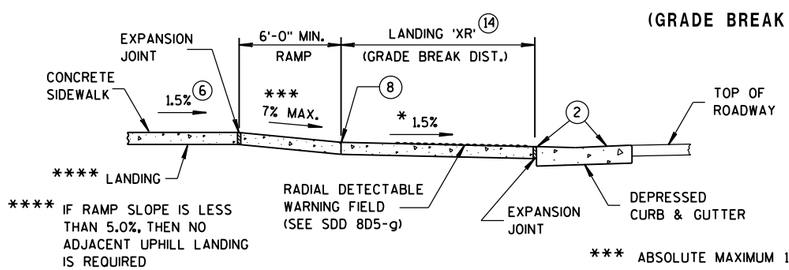
*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION B-B FOR TYPE 4A1



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

CURB RAMP TYPE 4B1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



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

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION C-C FOR TYPE 4B1

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

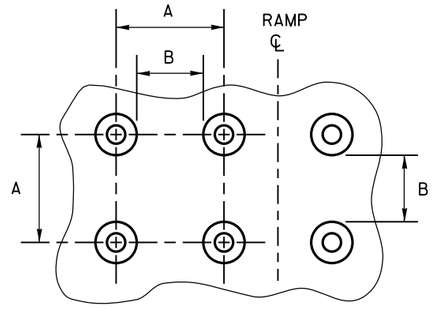
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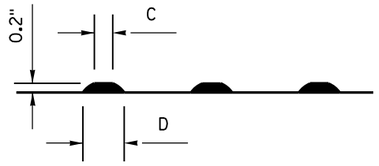
S.D.D. 8 D 5-19f

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

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



PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES

DETECTABLE WARNING PATTERN DETAIL

GENERAL NOTES

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

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

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

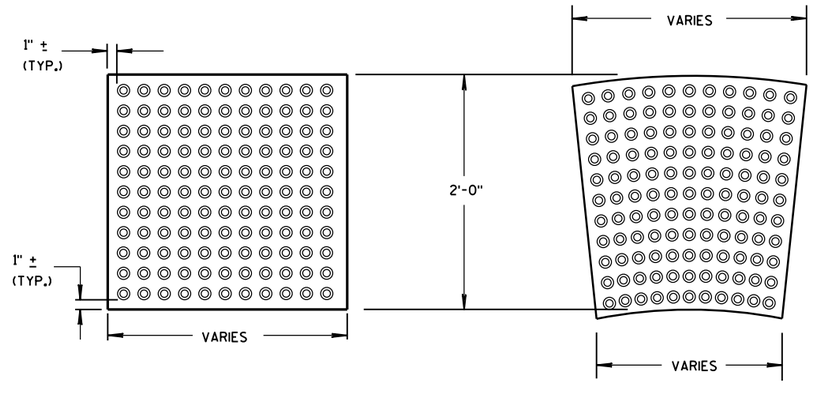
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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

⑮ FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

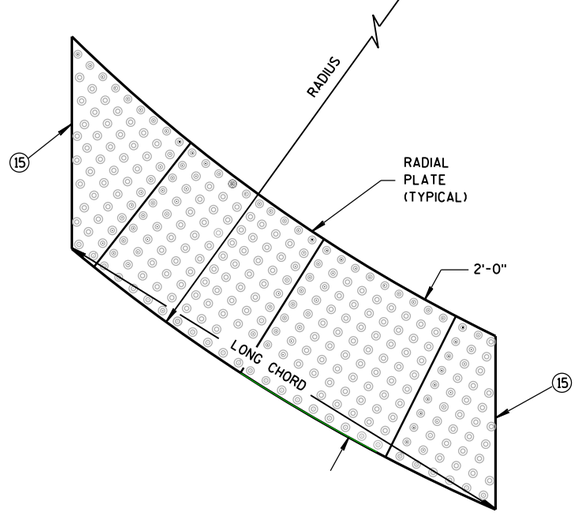


RECTANGULAR PLATES

RADIAL PLATES

DETECTABLE WARNING FIELDS (TYPICAL)

PLAN VIEW



RADIAL DETECTABLE WARNING FIELD ATTRIBUTES

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

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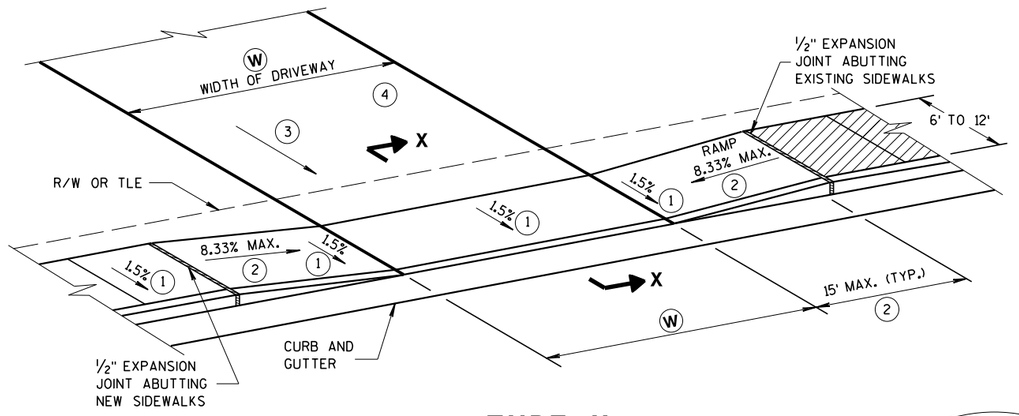
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June, 2017 — DATE
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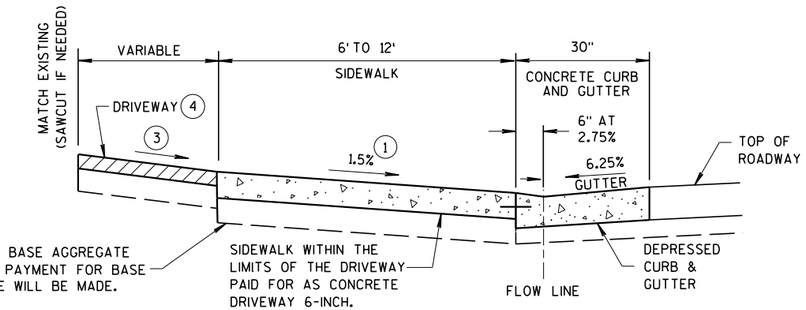
S.D.D. 8 D 5-19g

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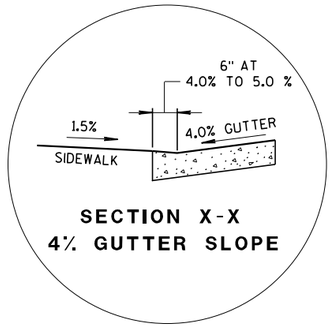
S.D.D. 8 D 5-19g



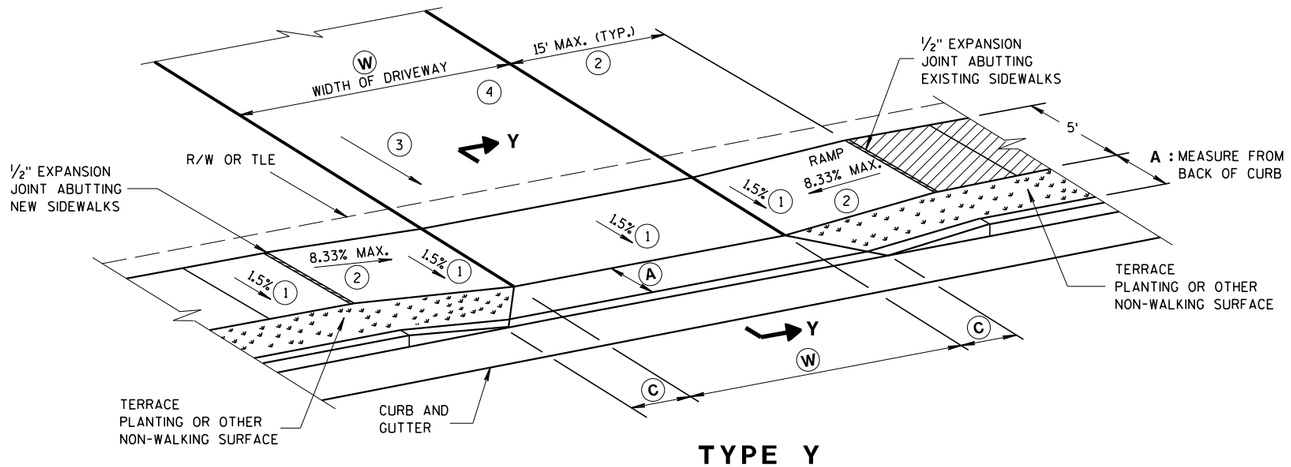
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X



SECTION X-X
4% GUTTER SLOPE



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

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

GENERAL NOTES

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

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

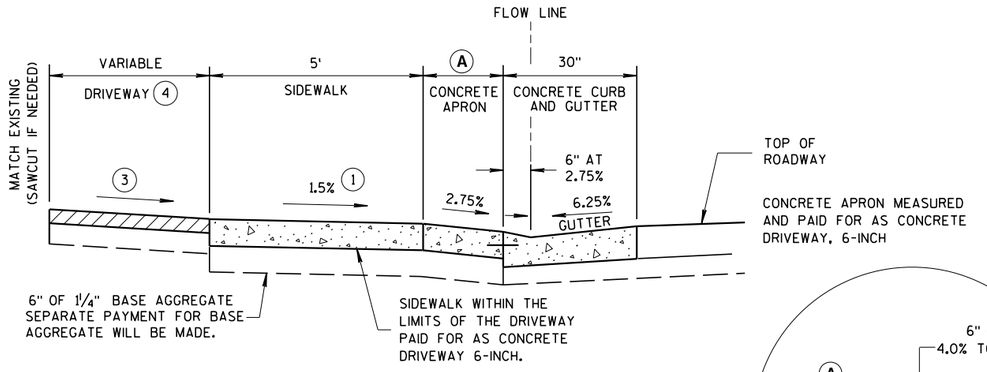
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

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

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

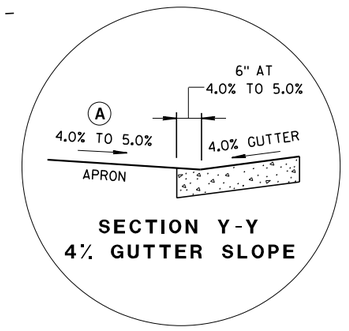
(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

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



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y



SECTION Y-Y
4% GUTTER SLOPE

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

TABLE Y

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

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y

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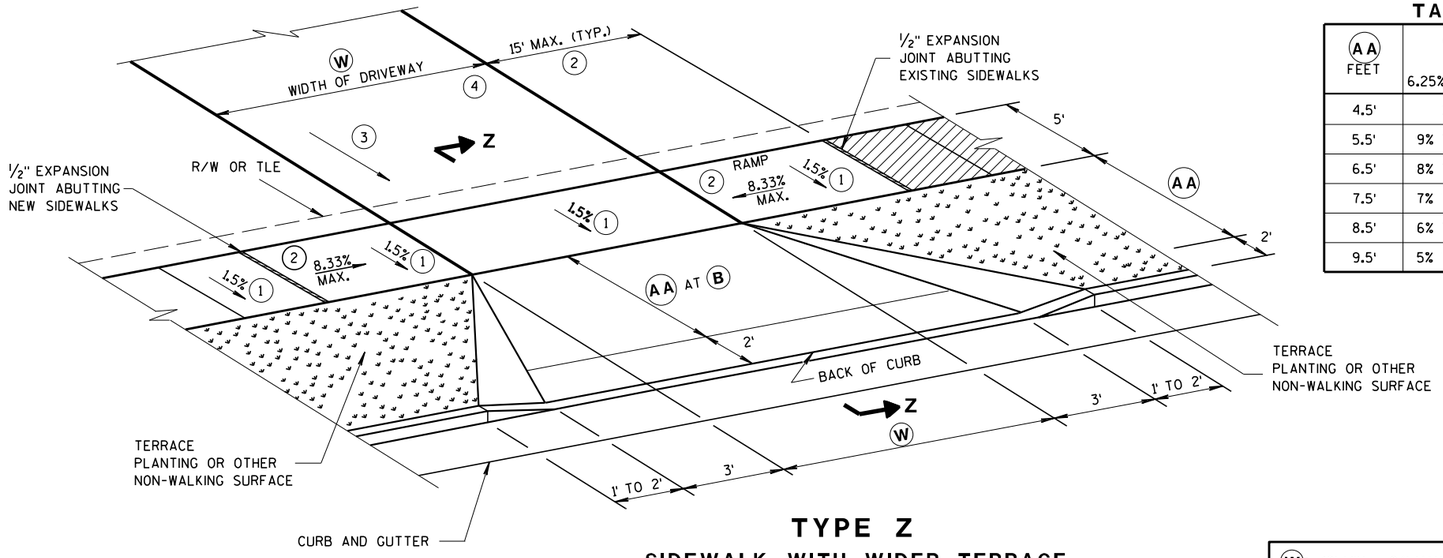
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S.D.D. 8 D 18-2



TYPE Z

SIDEWALK WITH WIDER TERRACE

TERRACE VARIES 7 TO 12 FEET

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

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

GENERAL NOTES

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

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

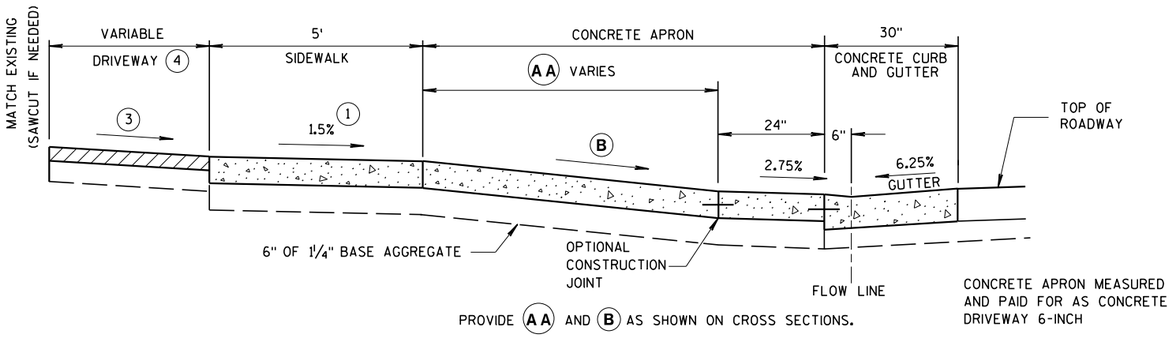
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

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

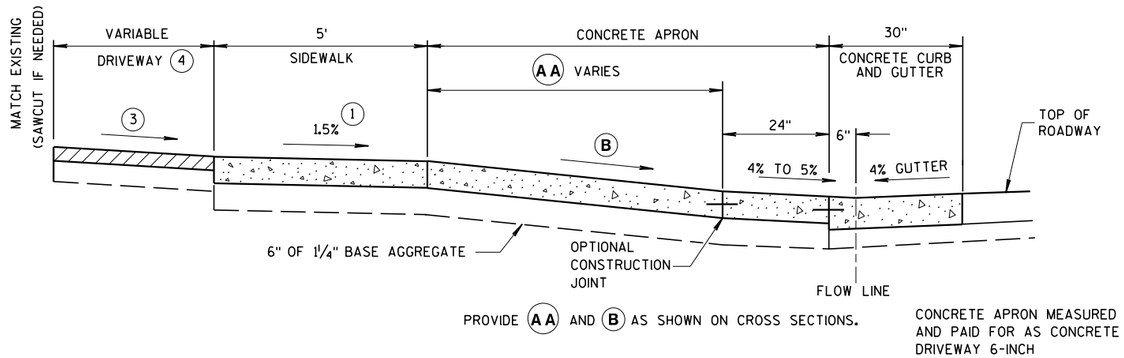
(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

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

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



6.25% GUTTER SLOPE



4% GUTTER SLOPE

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR **B** VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SEPARATE PAYMENT FOR BASE AGGREGATE WILL BE MADE.

SECTION Z-Z

DRIVEWAY DETAIL WITH CONCRETE CURB & GUTTER

(URBAN AND SUBURBAN)

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

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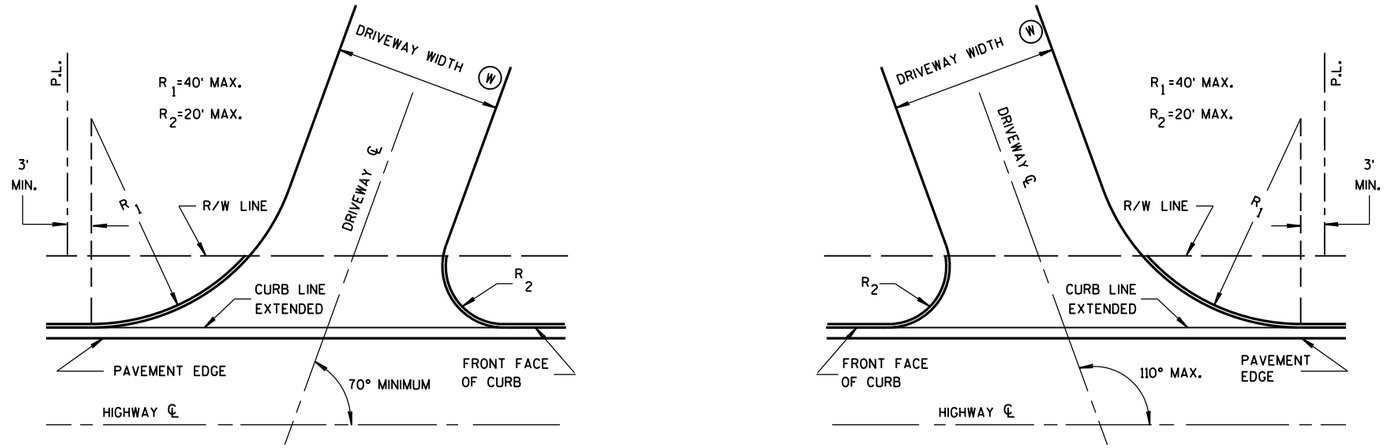
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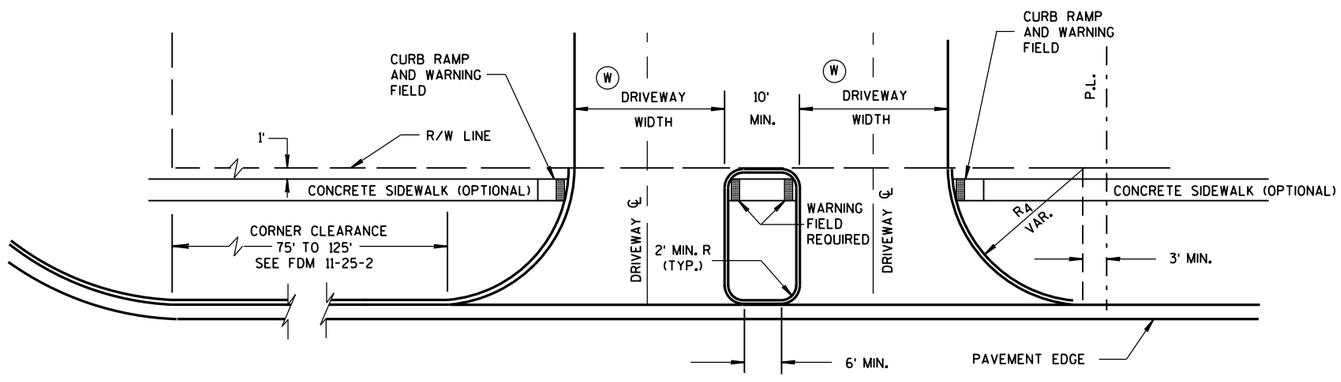
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SKEWED DRIVEWAY DETAILS
(COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

Ⓦ DRIVEWAY WIDTHS:

COMMERCIAL - 35' MAX., 16' MIN.

RESIDENTIAL AND NON-COMMERCIAL - 24' MAX., 12' MIN.

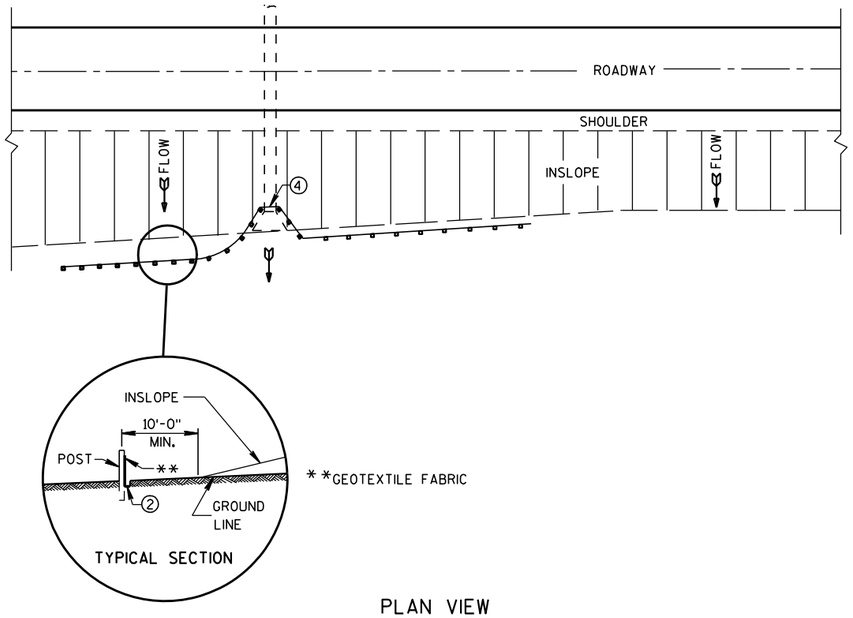
DRIVEWAYS WITH CURB & GUTTER RETURNS

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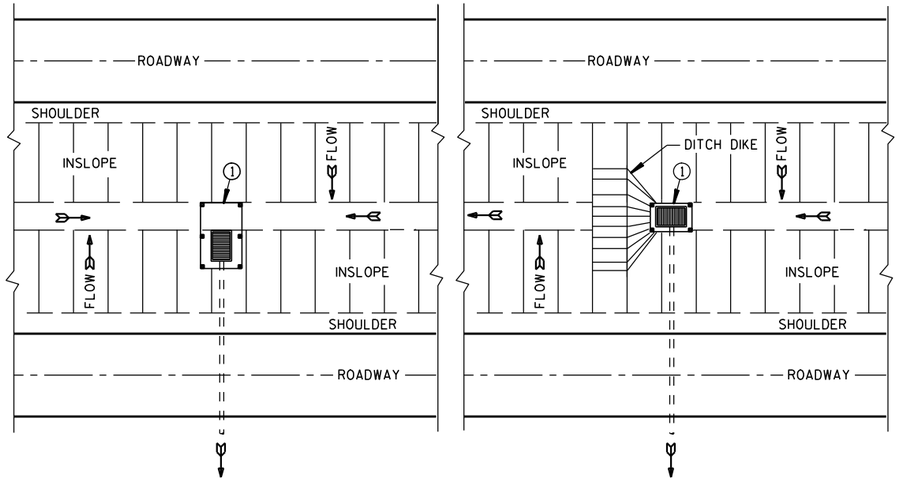
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S.D.D. 8 D 20-1



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



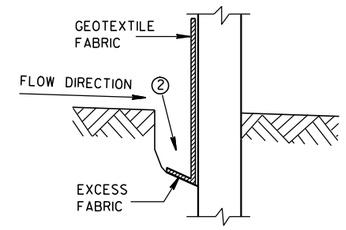
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

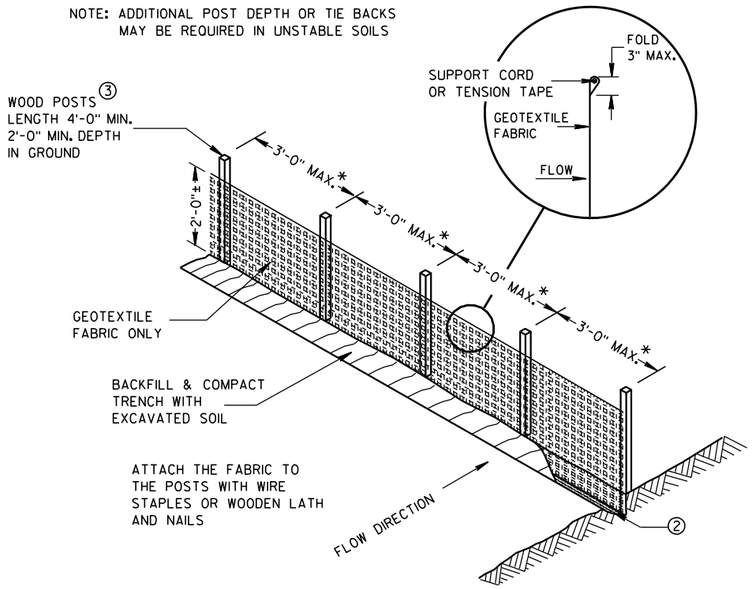
GENERAL NOTES

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

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

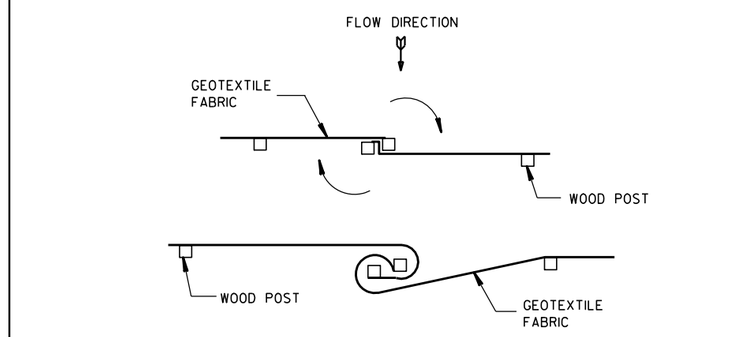


TRENCH DETAIL

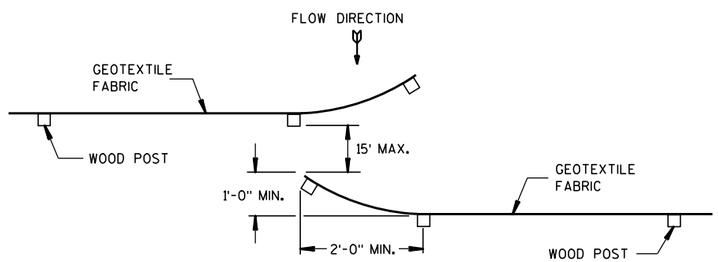


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

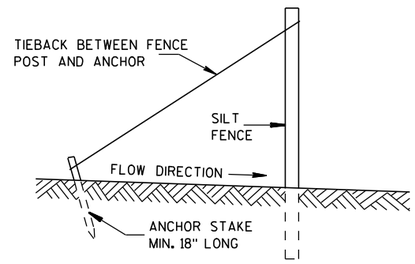


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

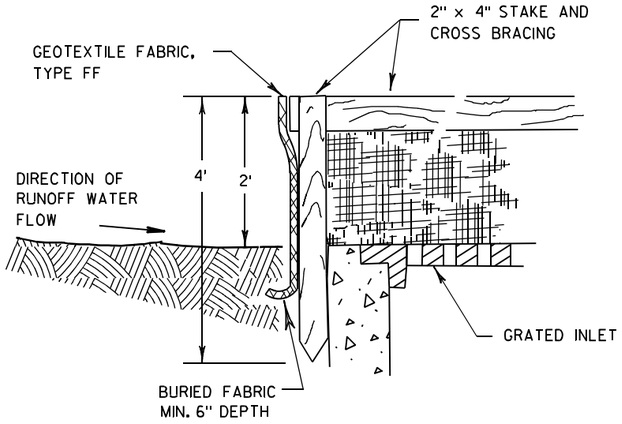
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

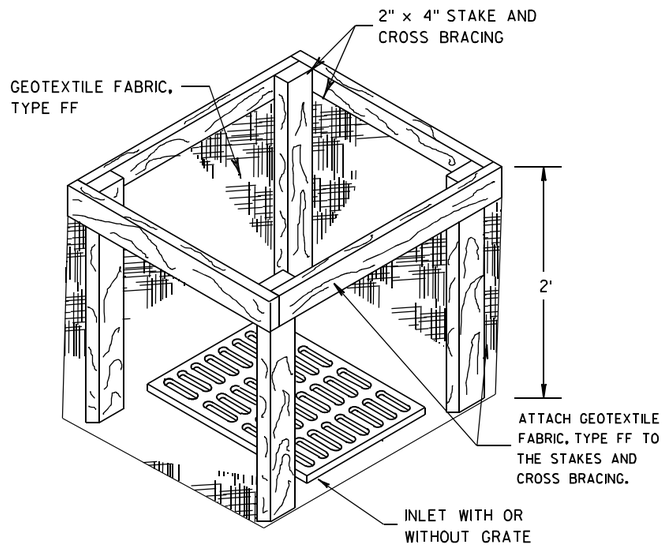
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S.D.D. 8 E 9-6

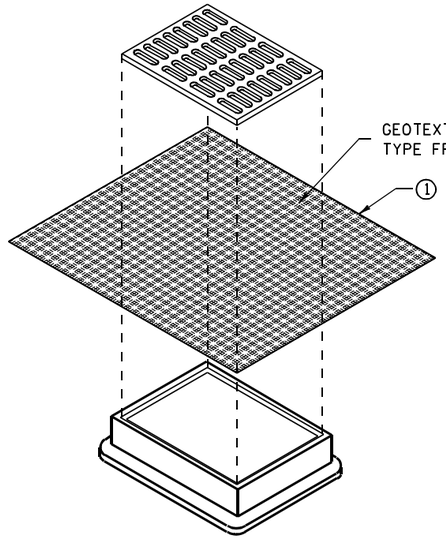
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S.D.D. 8 E 9-6



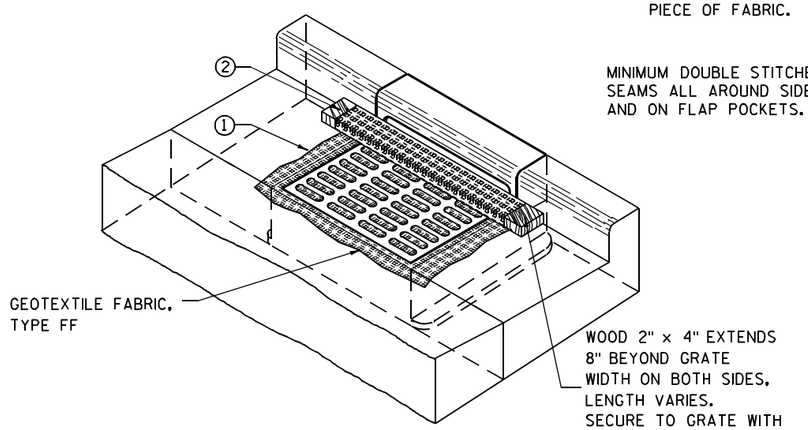


INLET PROTECTION, TYPE A

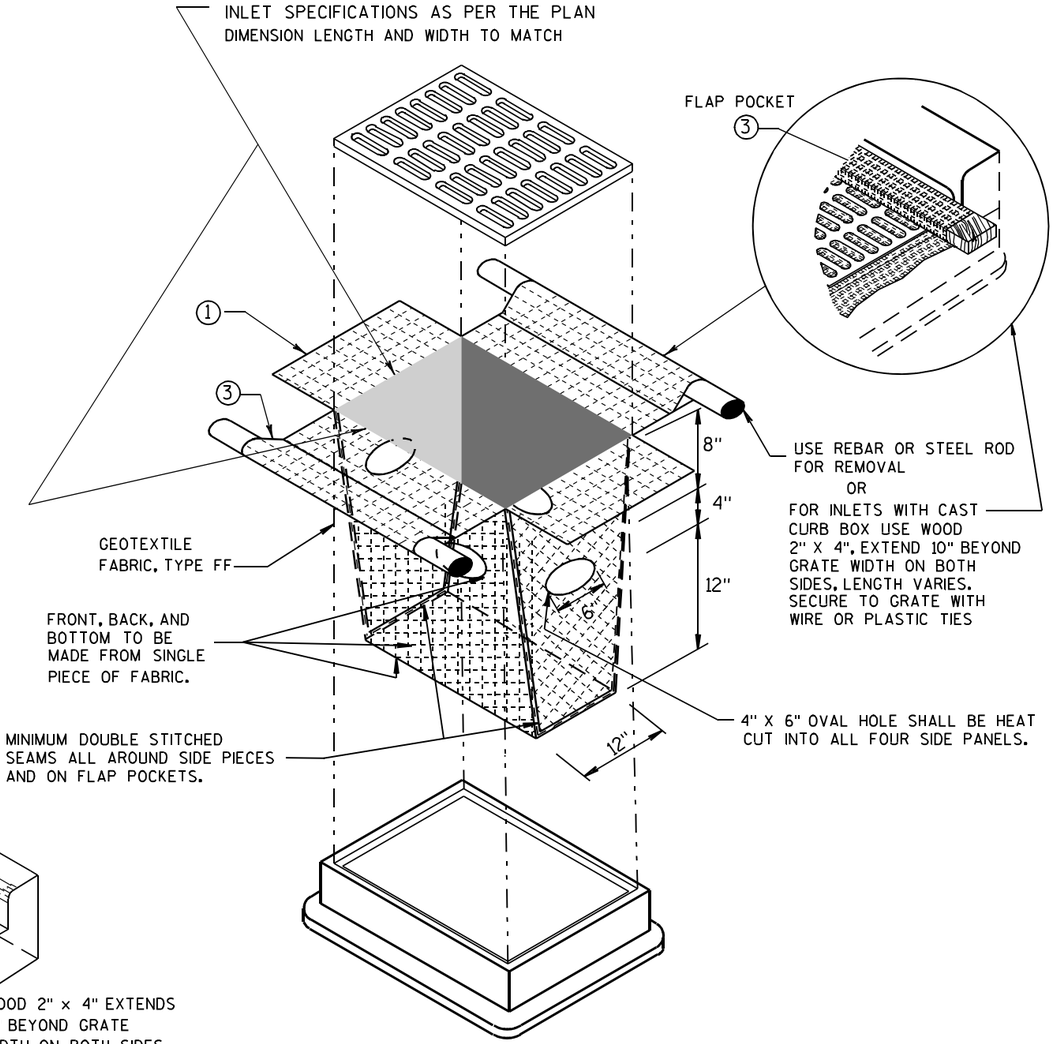


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

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DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

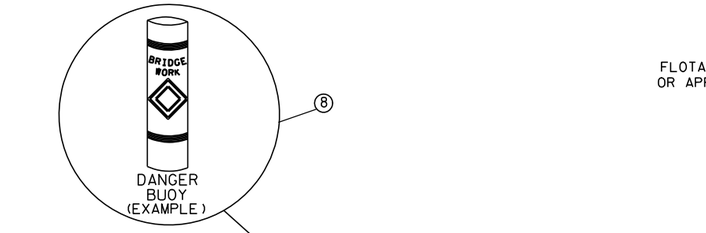
FHWA

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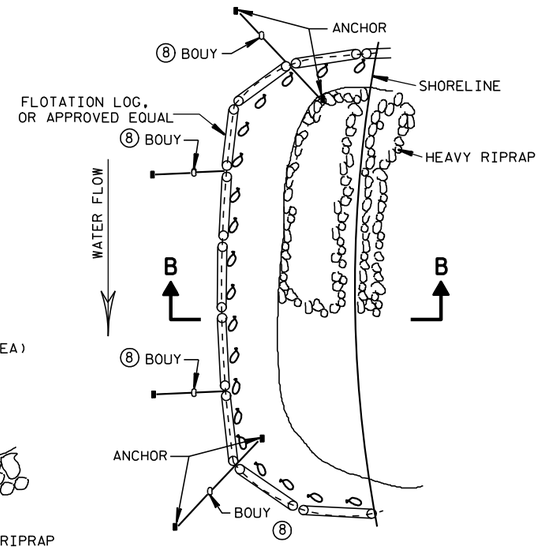
S.D.D. 8 E 10-2

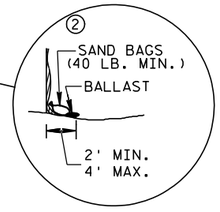
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S.D.D. 8 E 10-2

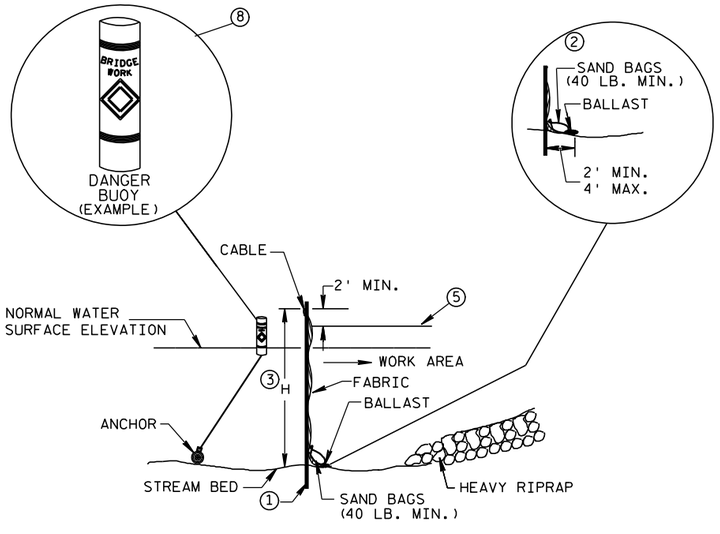


SECTION B-B

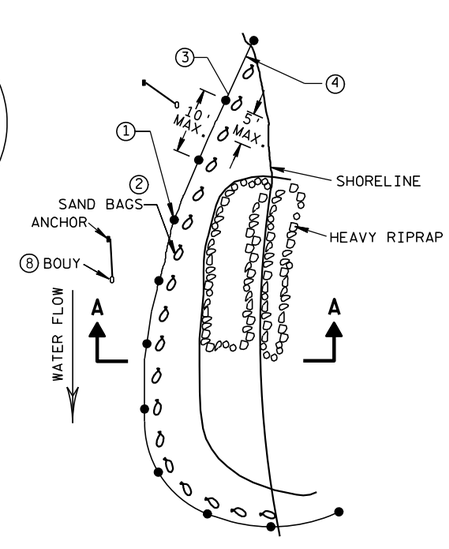




TURBIDITY BARRIER FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6



SECTION A-A



PLAN VIEW

TURBIDITY BARRIER STANDARD POST INSTALLATION

TURBIDITY BARRIER PLACEMENT DETAILS

GENERAL NOTES

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

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.

② SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.

③ WHEN BARRIER HEIGHT, H, EXCEEDS 8 FT., POST SPACING MAY NEED TO BE DECREASED.

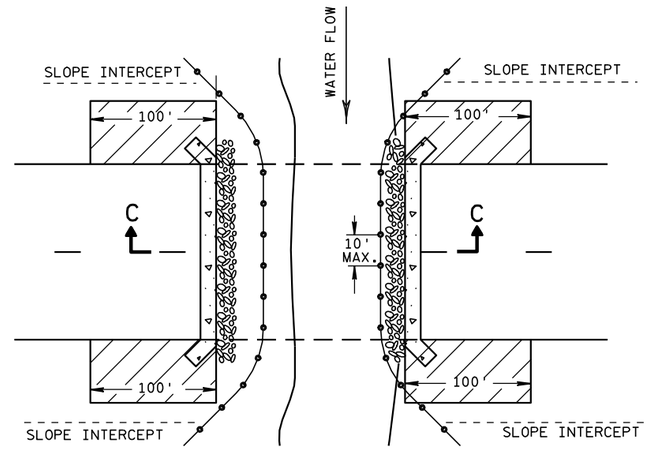
④ IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

⑤ ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MIMIMUM BARRIER HEIGHT SHALL BE 2'GREATER THAN EITHER THE 02 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WICHEVER IS GREATER.

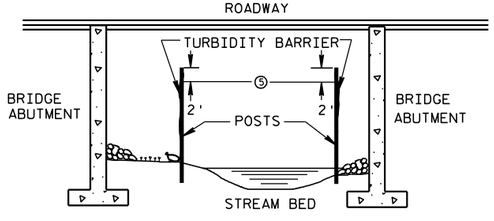
⑥ FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BED ROCK PREVENTS THE INSTALLATION OF POSTS.

⑦ ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.

⑧ USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C-C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

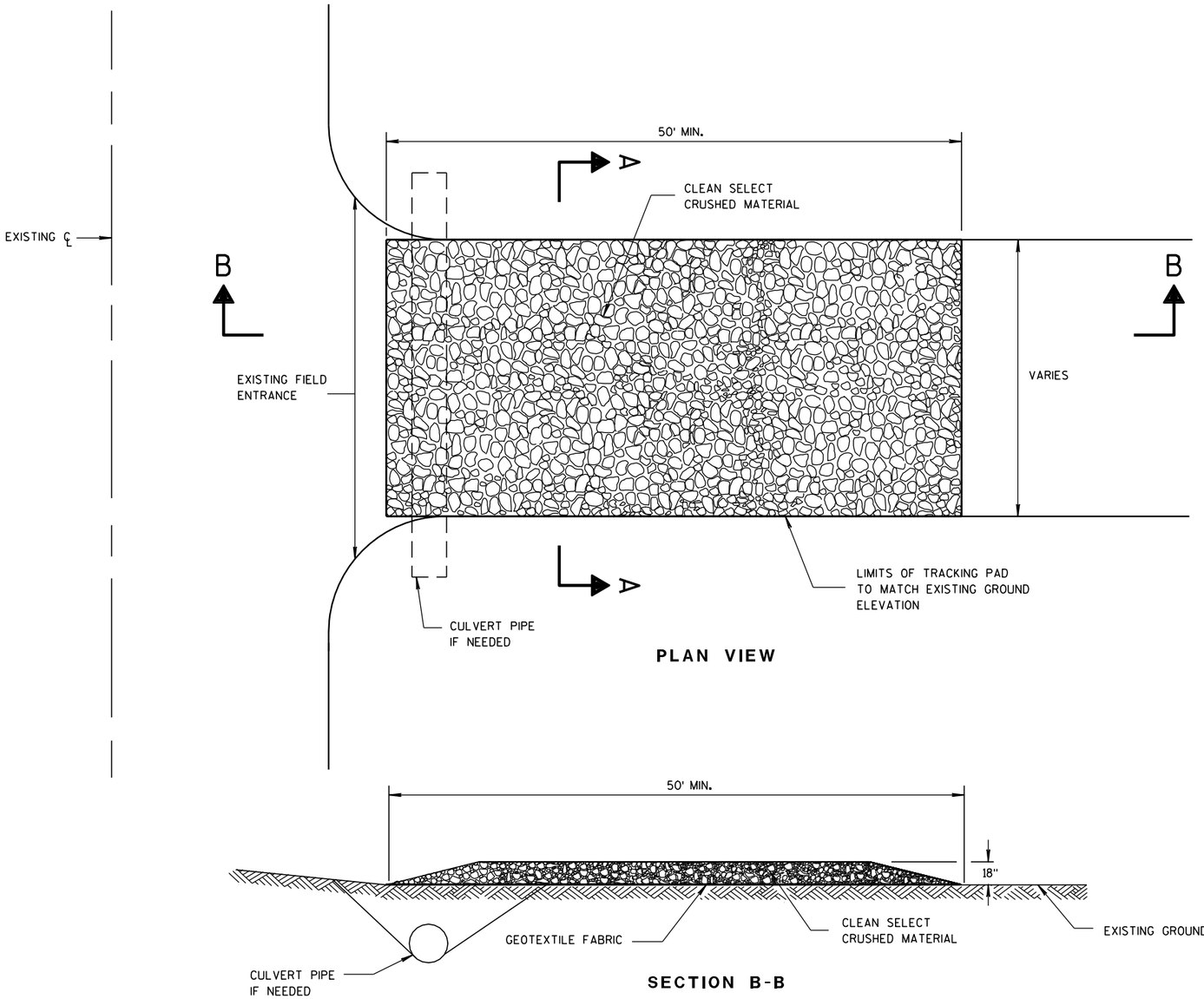
APPROVED
6/04/02 DATE
/S/ Beth Cannestra CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 11-2

6

S.D.D. 8 E 11-2



PLAN VIEW

SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

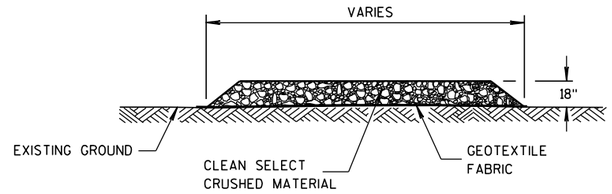
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

6

S.D.D. 8 E 14-1

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

3/24/2011
DATE

/S/ Jerry H. Zoda
ROADWAY STANDARDS ENGINEER

218

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FHWA

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S.D.D. 8 E 14-1

METAL APRON ENDWALLS

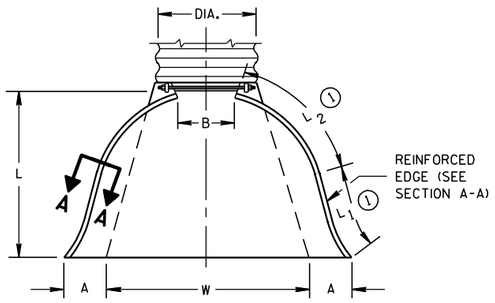
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

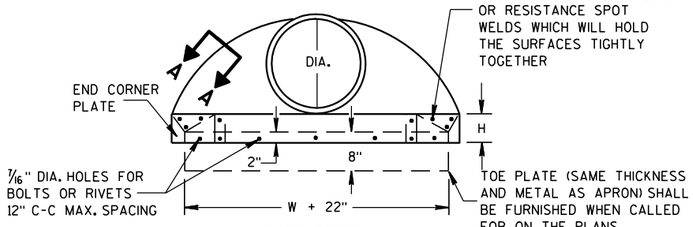
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

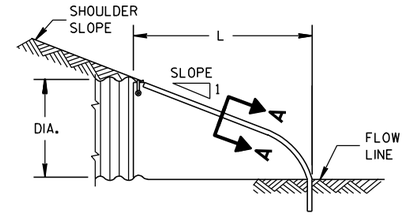
* MINIMUM
** MAXIMUM



PLAN VIEW

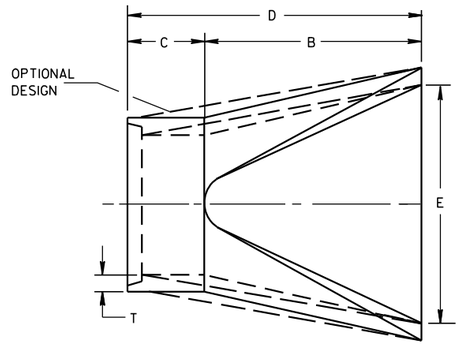


END VIEW

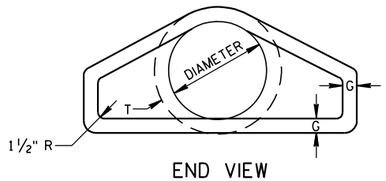


SIDE ELEVATION

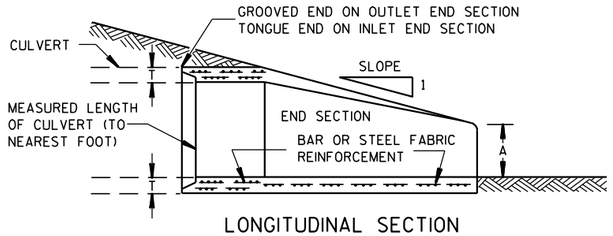
METAL ENDWALLS



PLAN

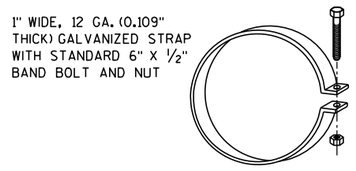


END VIEW



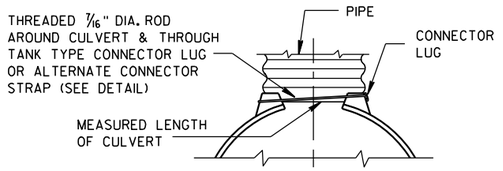
LONGITUDINAL SECTION

CONCRETE ENDWALLS

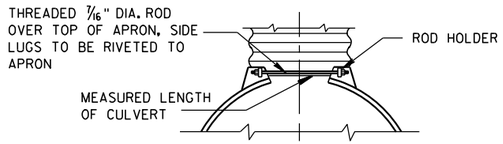


ALTERNATE FOR TYPE 1 CONNECTION

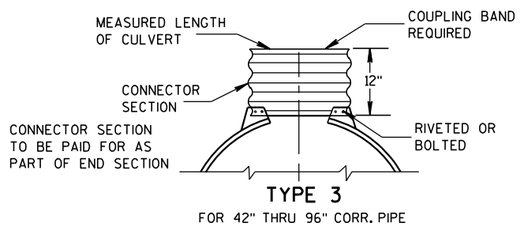
END SECTION CONNECTOR STRAP



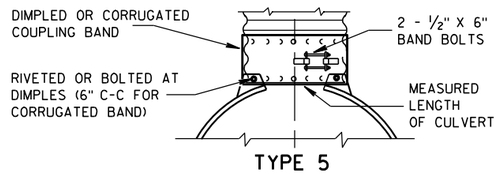
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

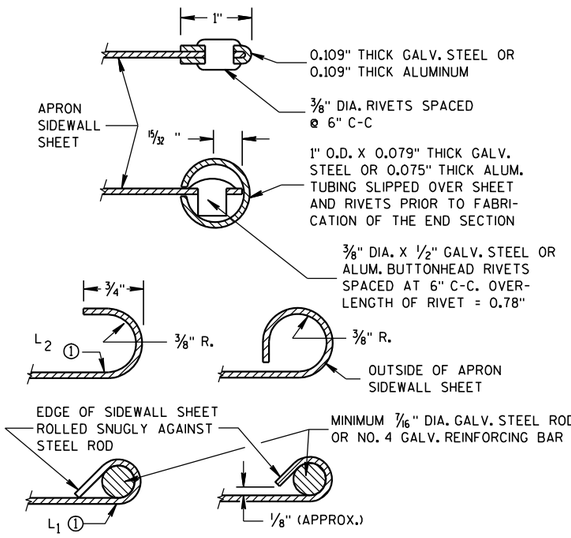
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

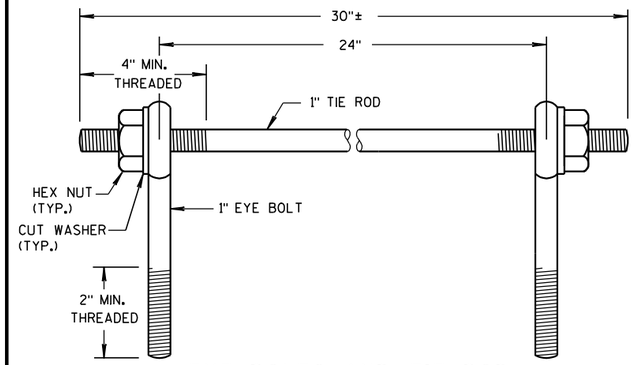
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

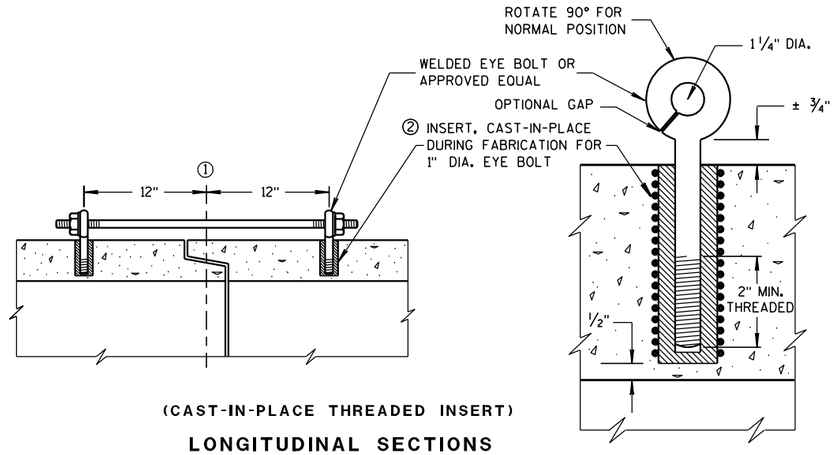
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

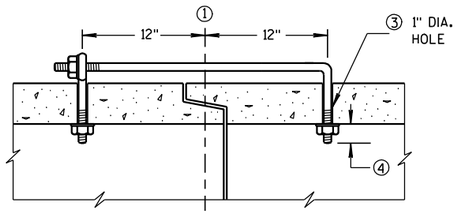
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

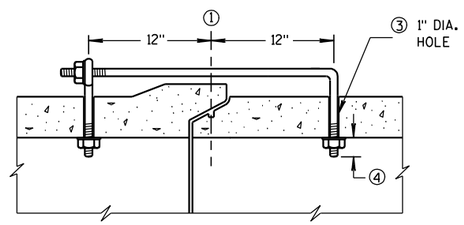
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

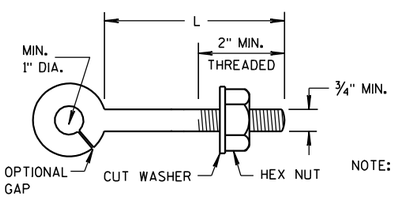


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

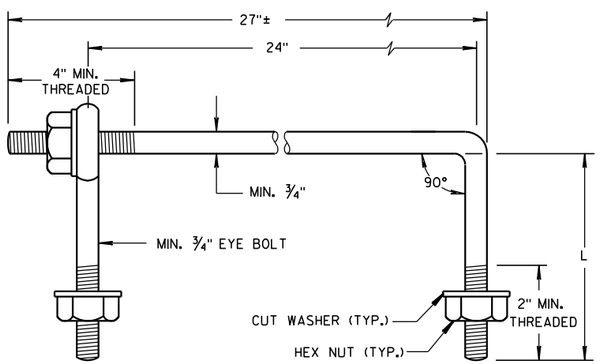
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

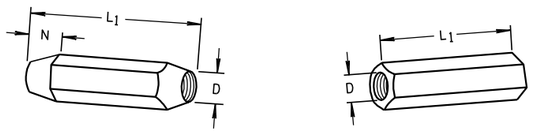
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

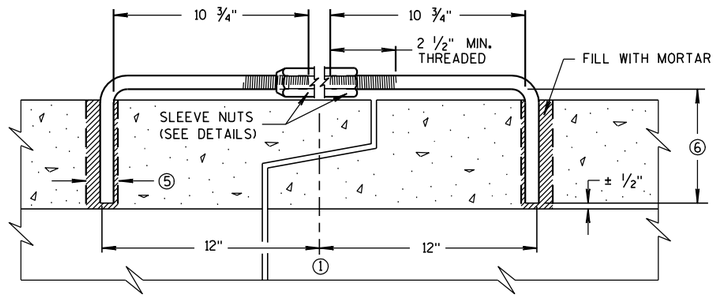
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

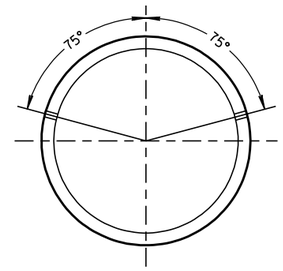
SLEEVE NUTS



LONGITUDINAL SECTION

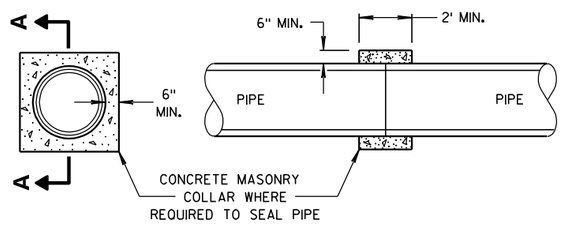
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

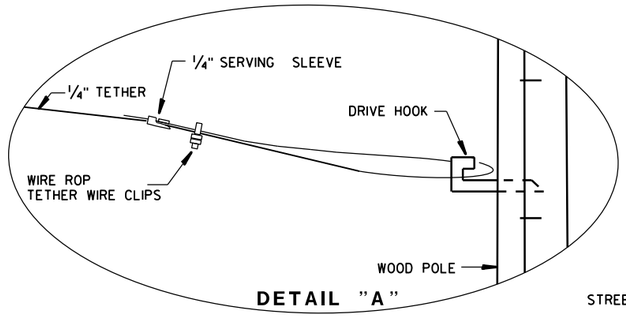
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

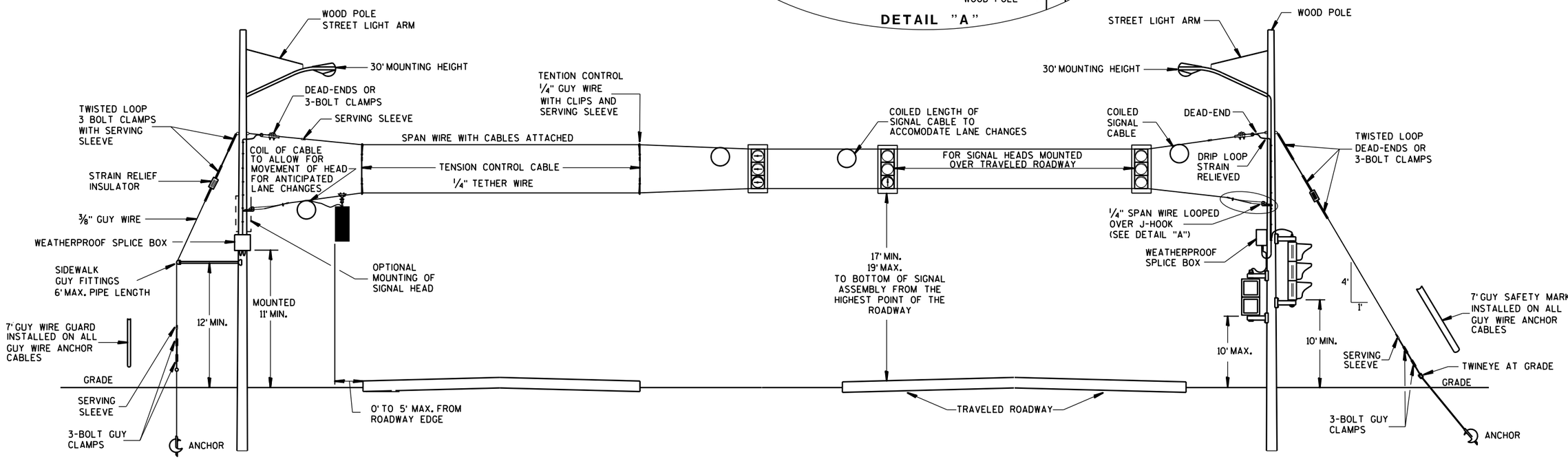
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
220
FHWA

6

S.D.D. 8 F 4-7



DETAIL "A"



GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

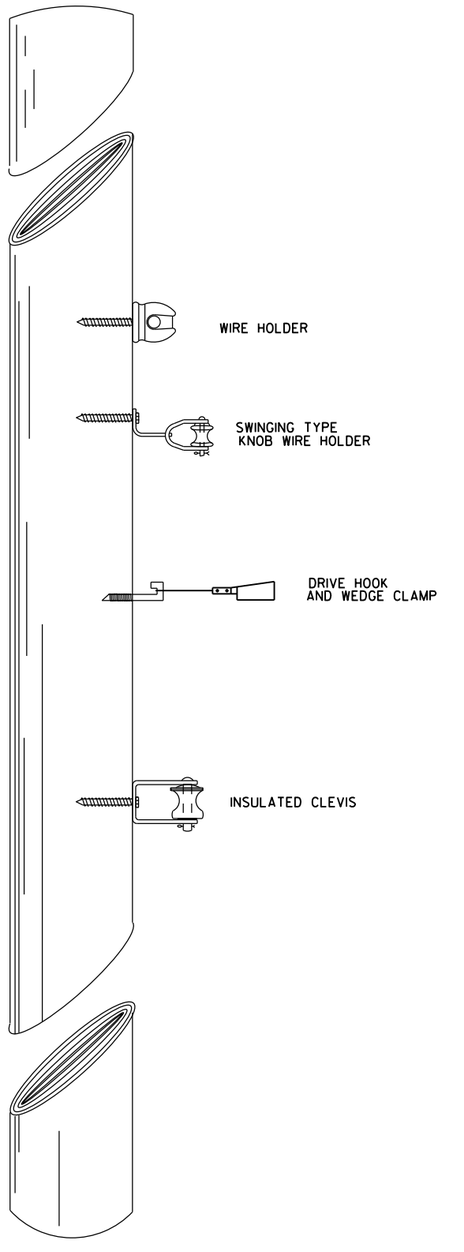
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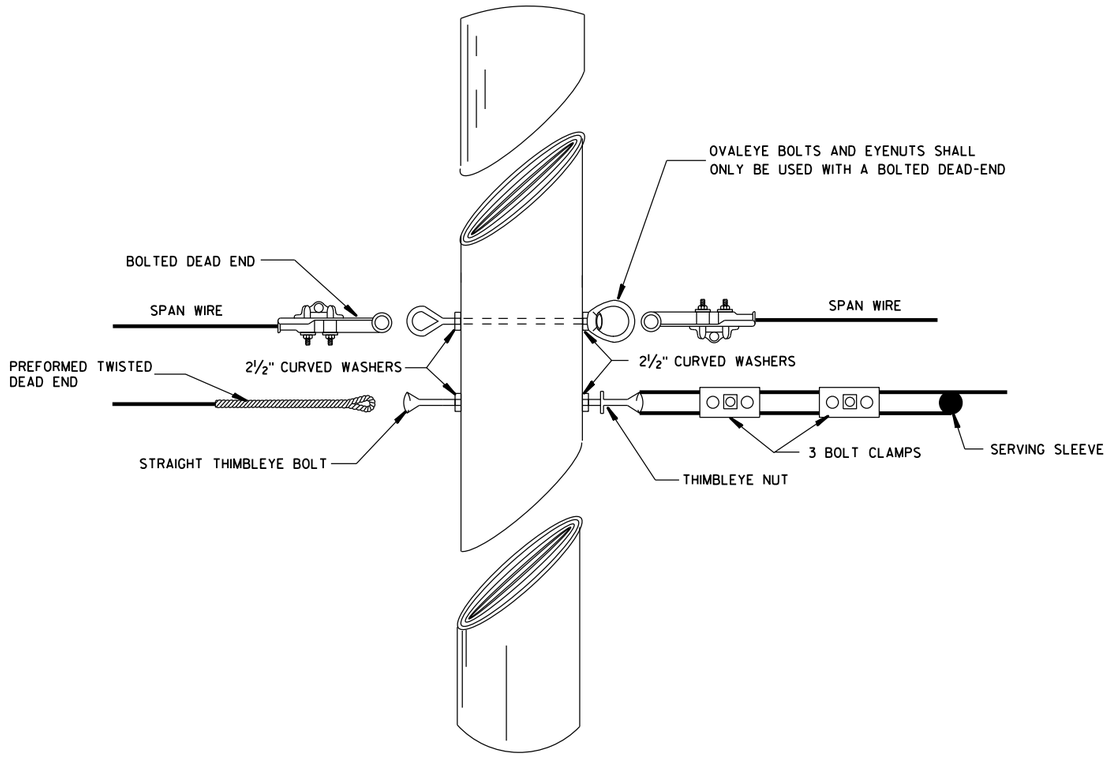
S.D.D. 9 G 1-4b

6

S.D.D. 9 G 1-4b



TYPICAL CABLE HANGERS



TYPICAL DEAD-ENDING

6

6

S.D.D. 9 G 1-4d

S.D.D. 9 G 1-4d

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

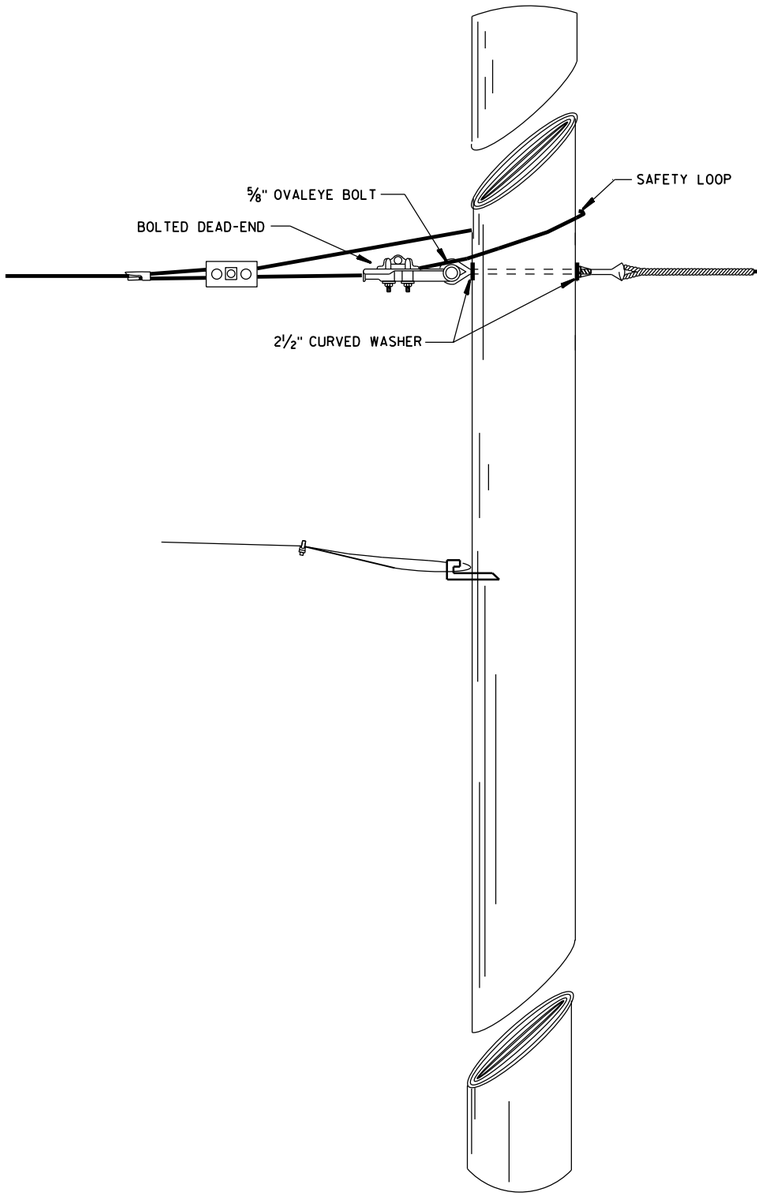
June, 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

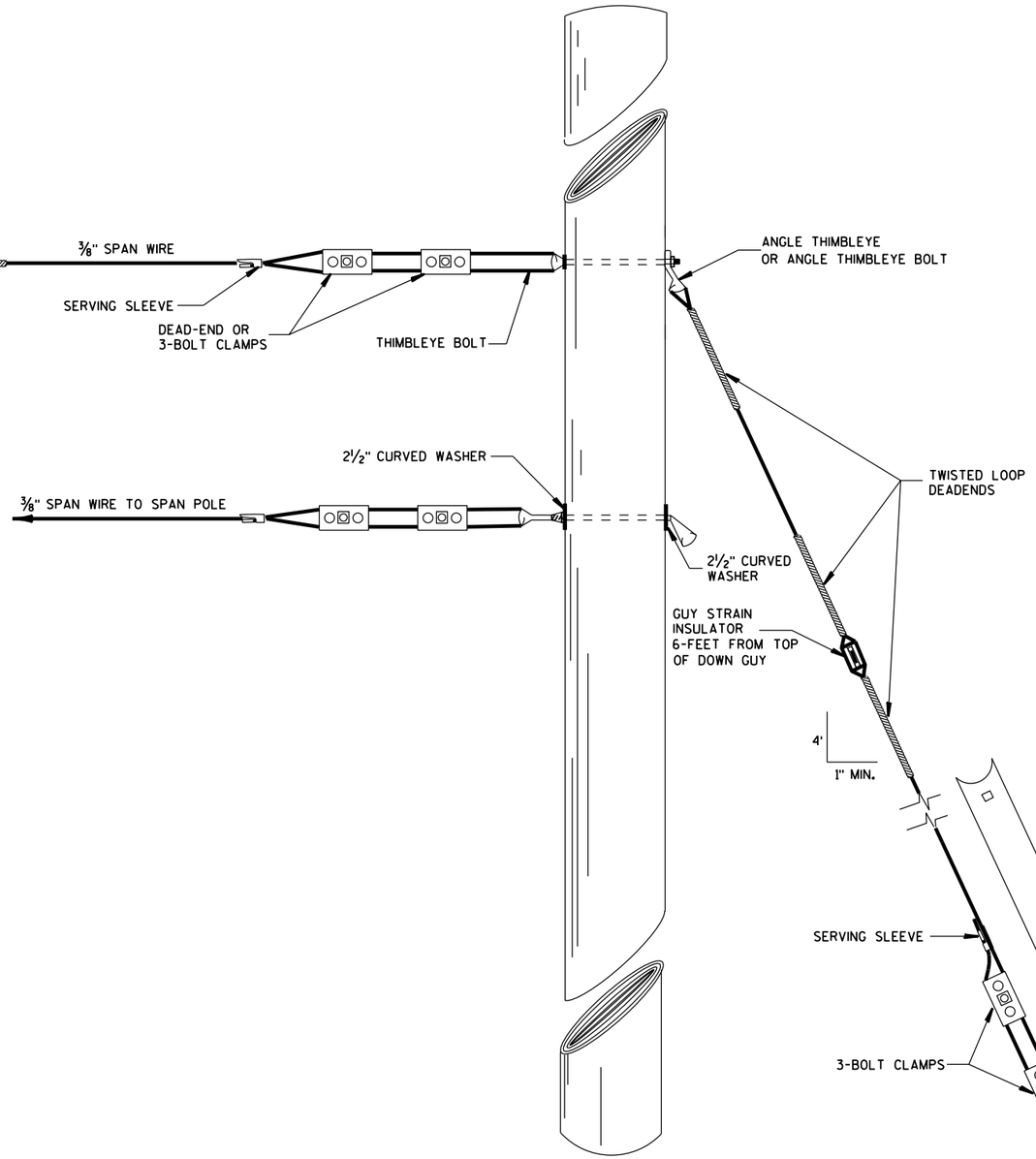
FHWA

GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE HOLE FOR ⅝" BOLTS.
2. SAFTY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE

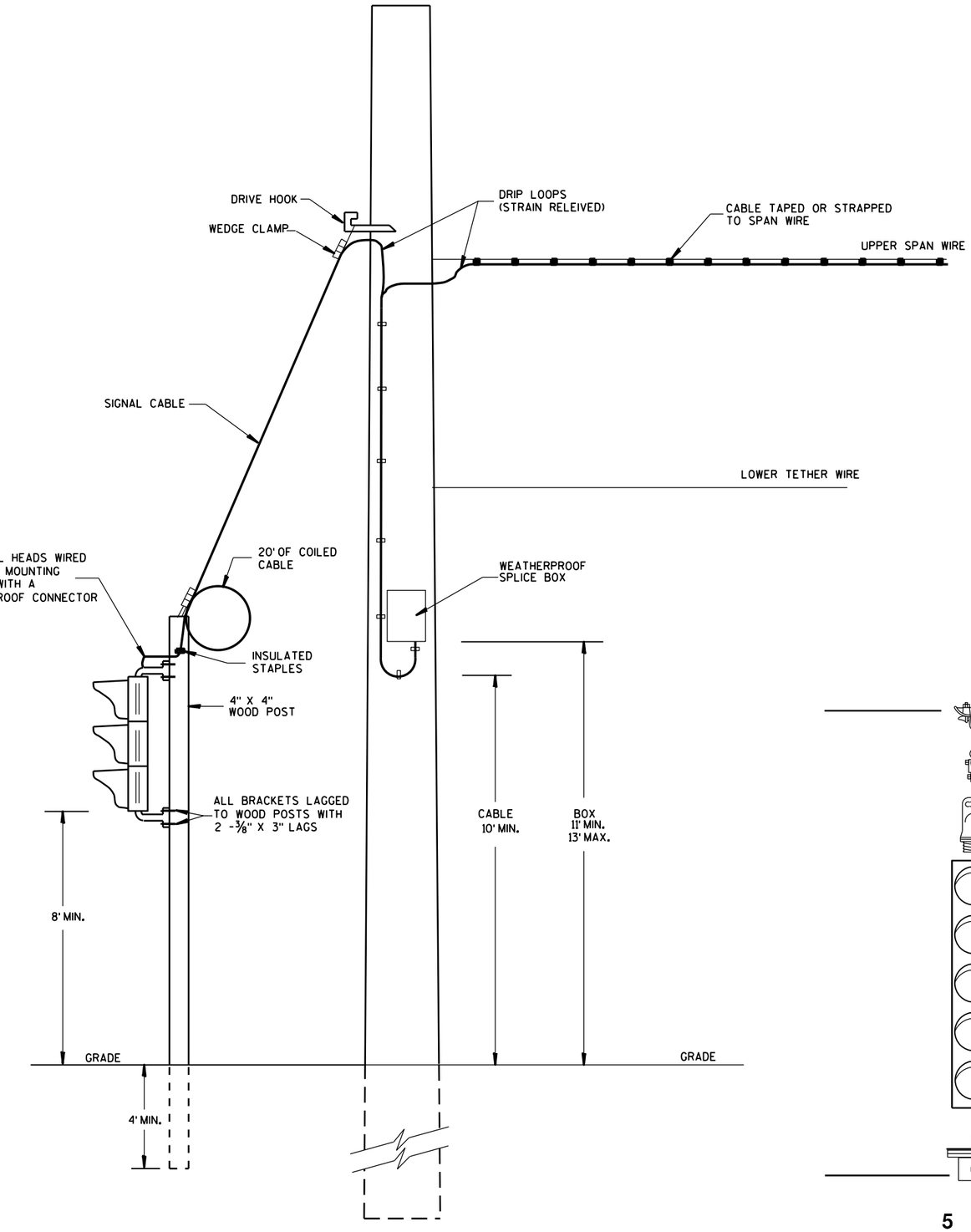


GUY POLE

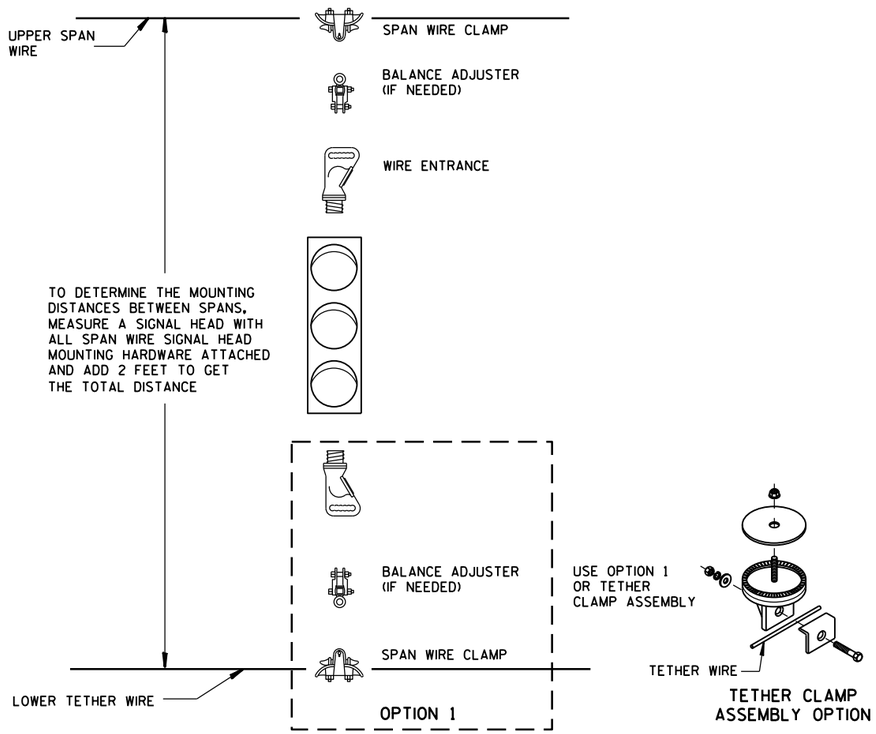
TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED June. 2015 DATE /S/ Ahmet Demirbilek STATE ELECTRICAL 223 FHWA

6
S.D.D. 9 G 1-4e

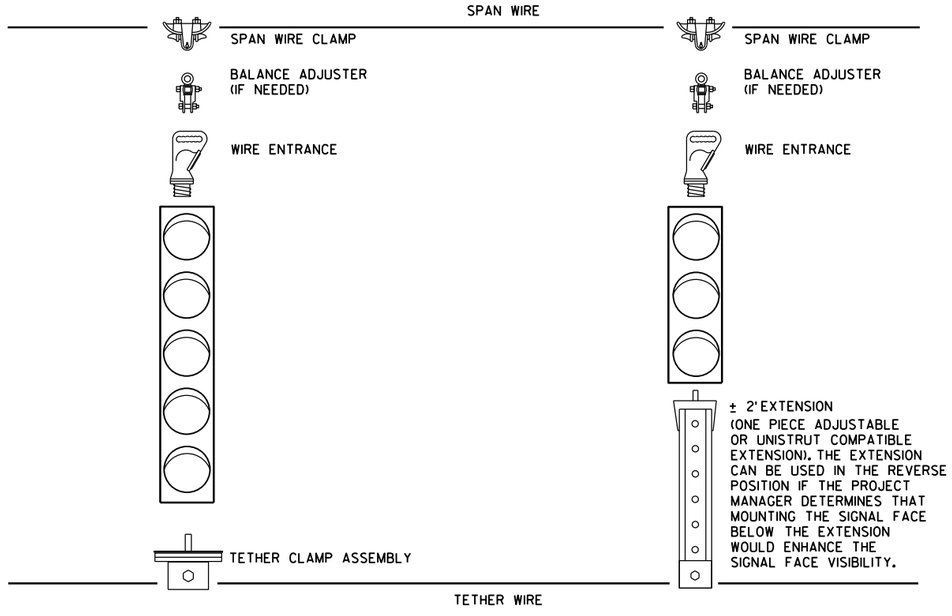


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June. 2015 — DATE

/S/ Ahmet Demirbilek — STATE ELECTRICAL

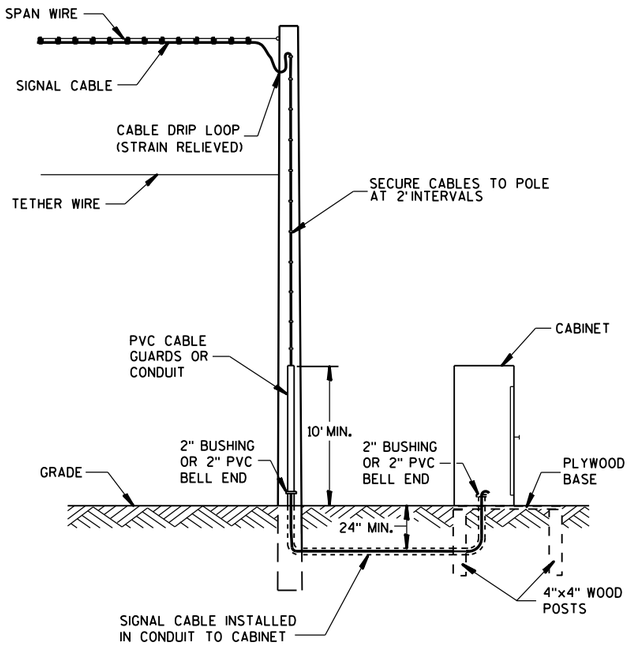
FHWA

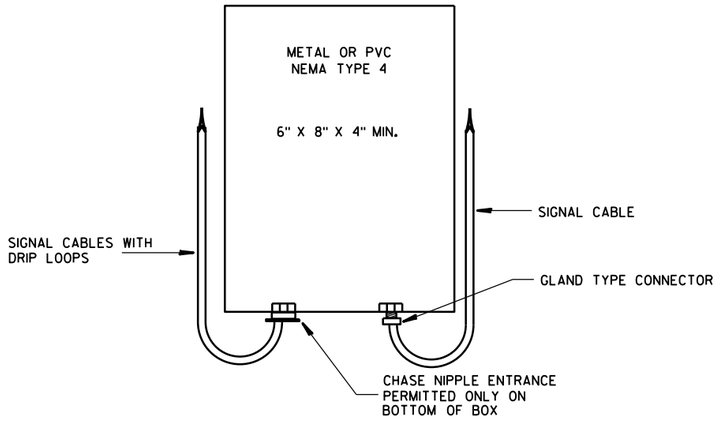
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S.D.D. 9 G 1-4f

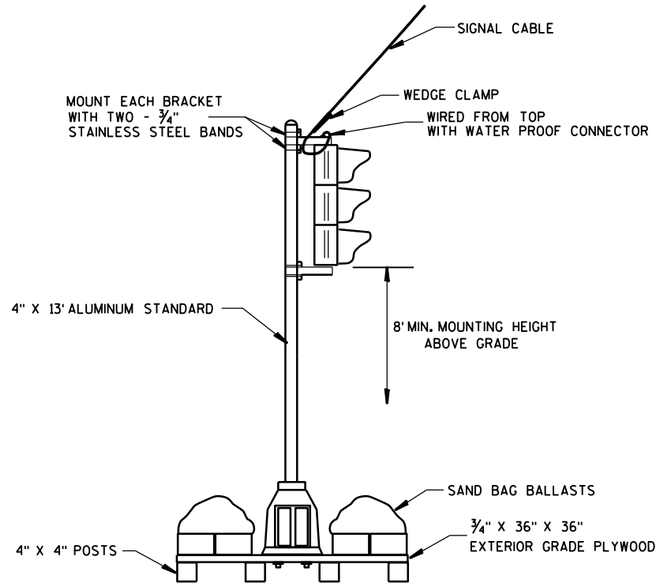
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S.D.D. 9 G 1-4f

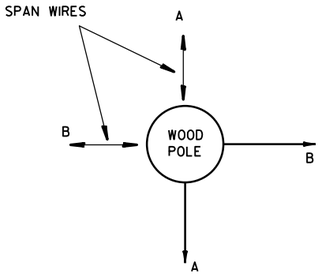




SPLICE BOX

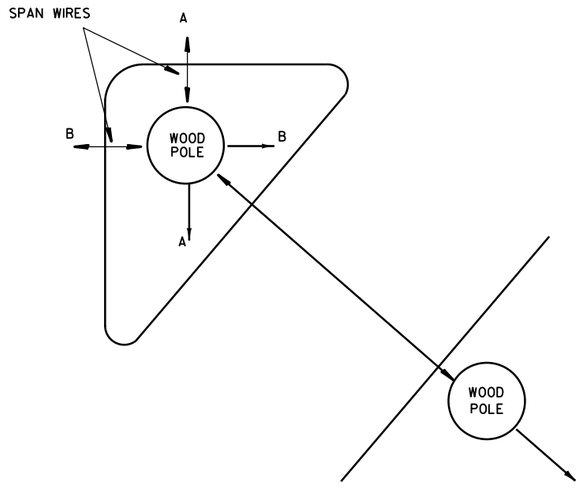


TYPICAL SKID TYPE TEMPORARY

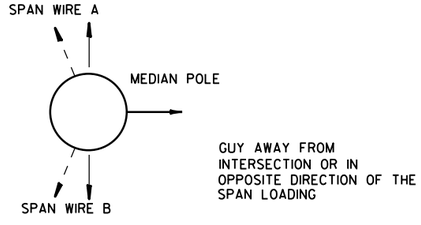


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF THE
SPAN LOADING

MEDIAN POLES

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

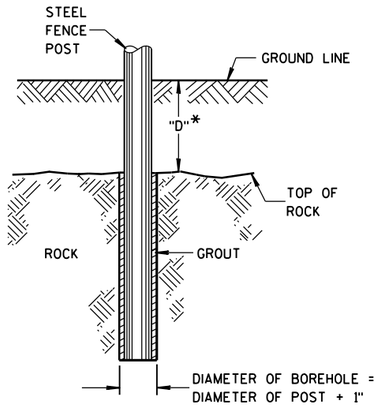
APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
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S.D.D. 9 G 1-4g

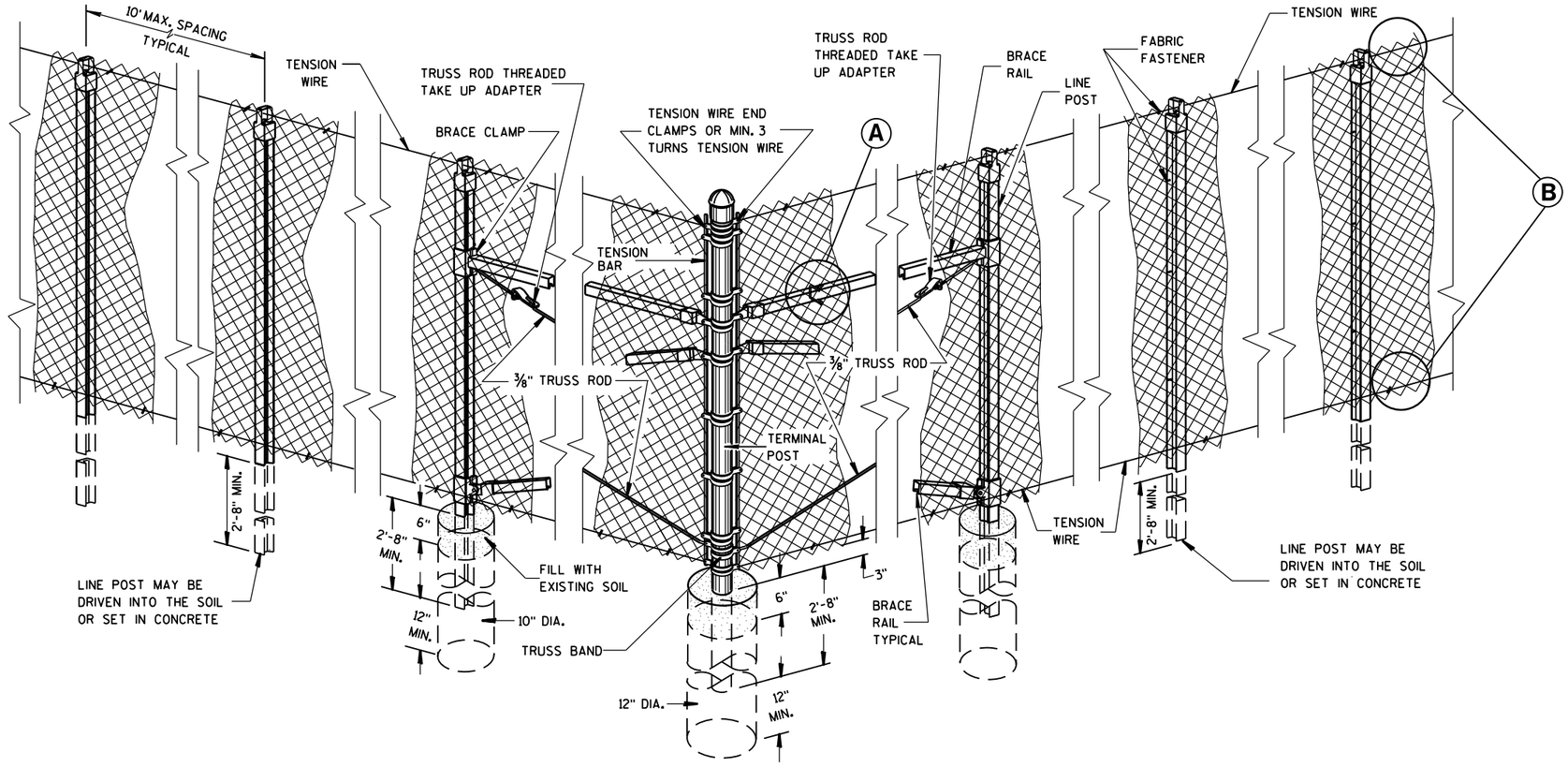
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S.D.D. 9 G 1-4g

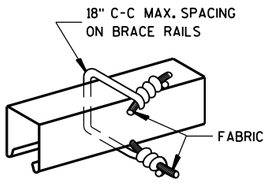


*IF "D" IS LESS THAN 2'-6", DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST



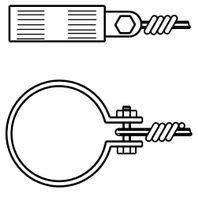
END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



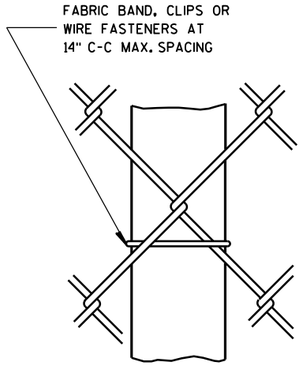
BRACE RAIL

FABRIC FASTENER

Ⓐ



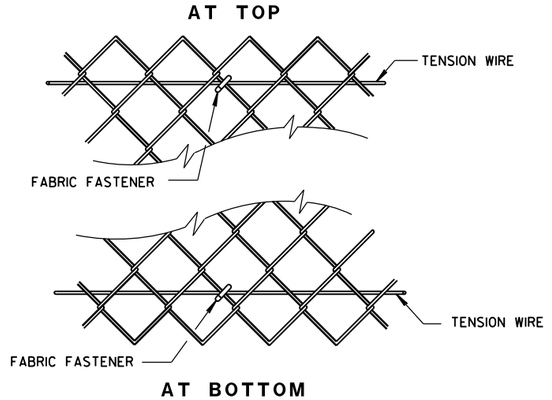
TENSION WIRE END CLAMP



LINE POST

FABRIC FASTENER

AT TOP



AT BOTTOM

SELVAGES

Ⓑ

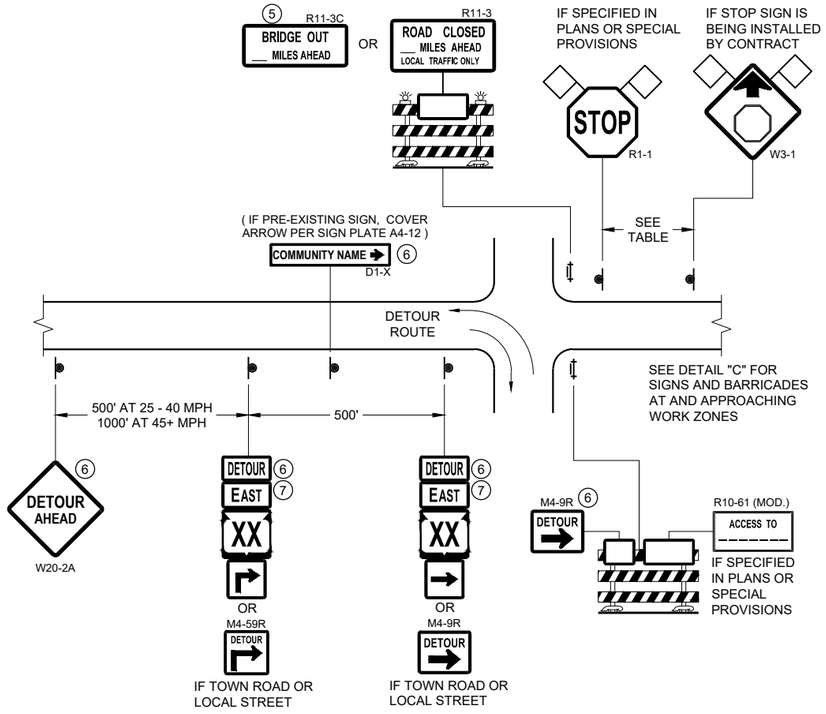
FENCE CHAIN LINK

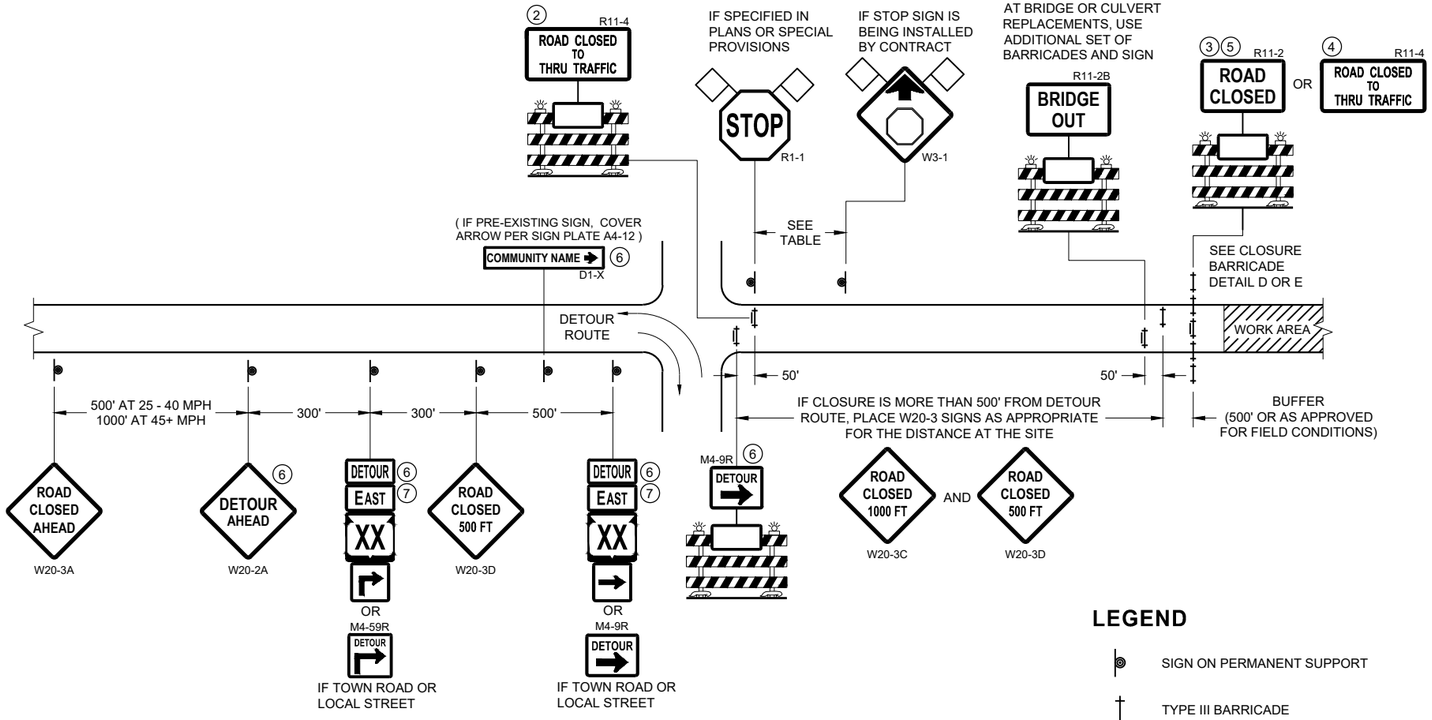
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
FEB. 2015 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 15 B 3-15b





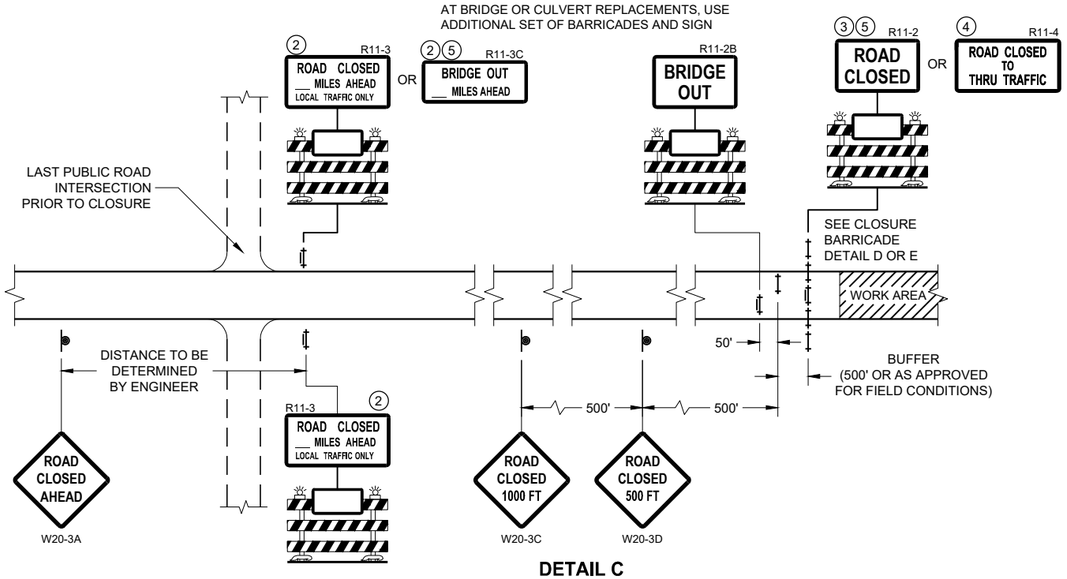
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

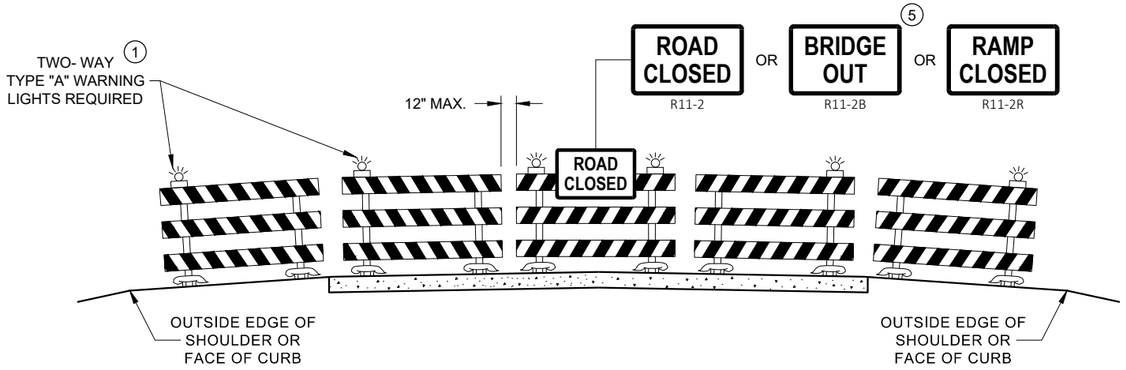
APPROVED
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

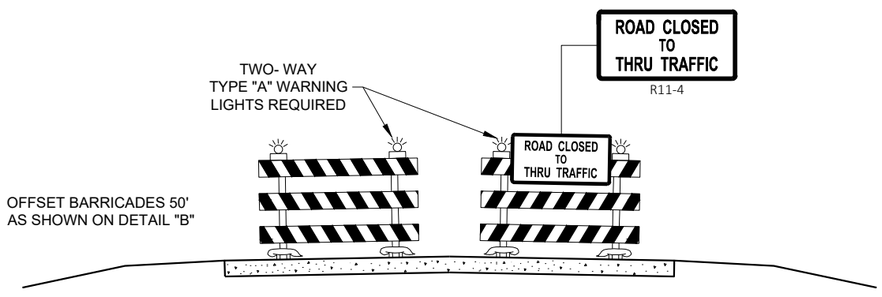
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SDD 15C02 - 07a

SDD 15C02 - 07a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 07b

6

SDD 15C02 - 07b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

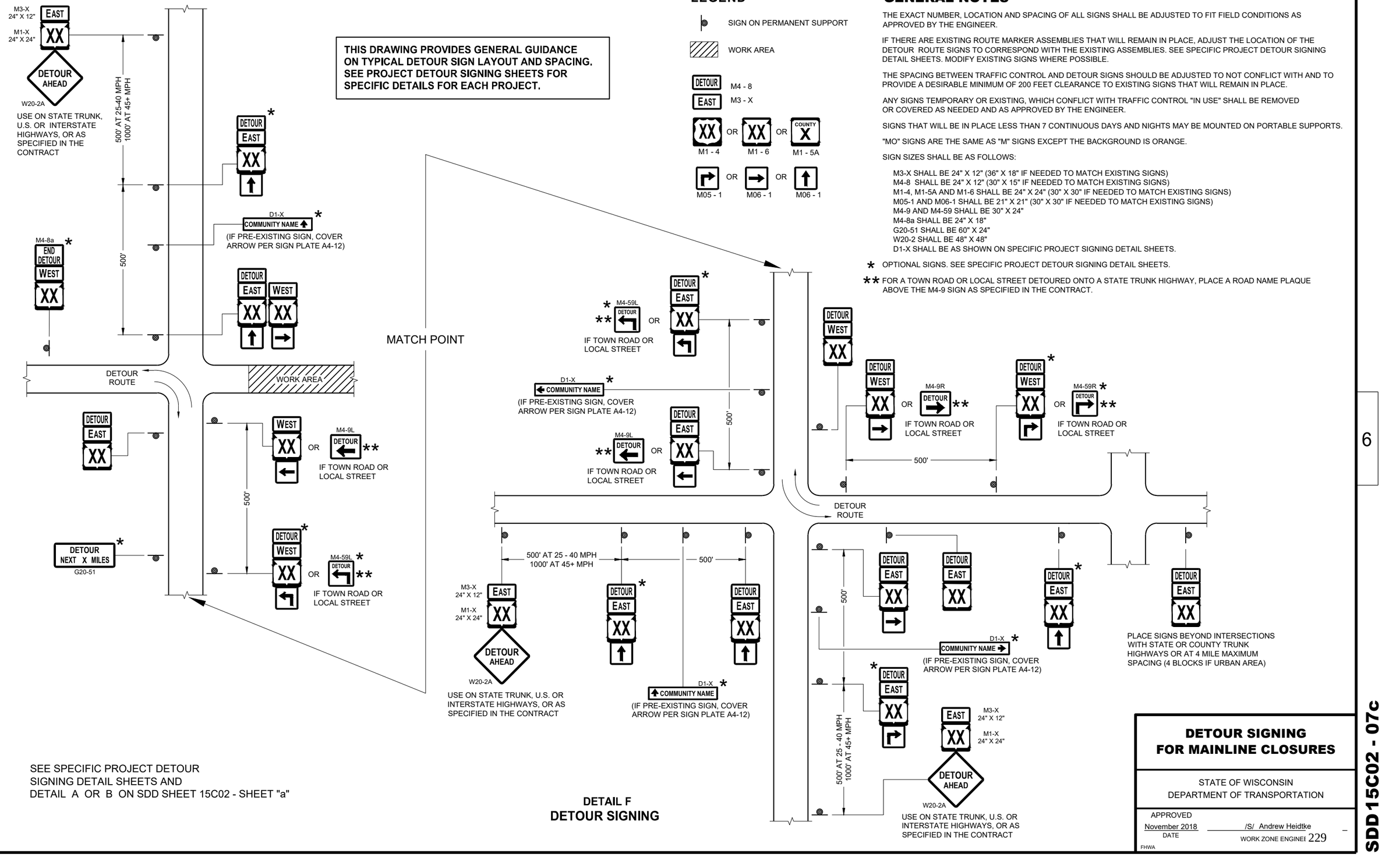
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2 SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

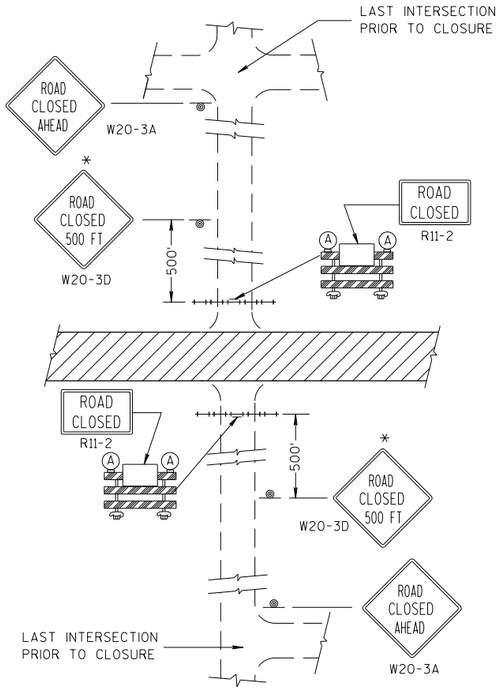
/S/ Andrew Heidtke
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SDD 15C02 - 07c

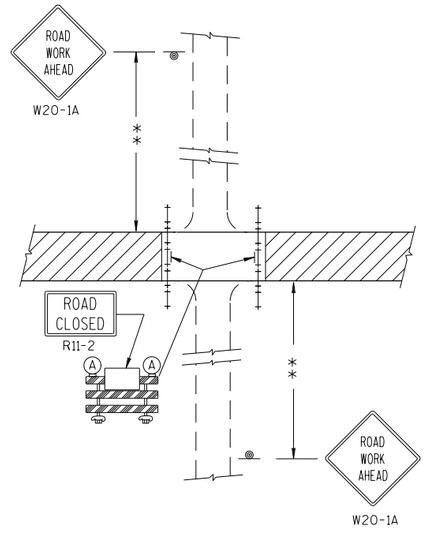
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SDD 15C02 - 07c



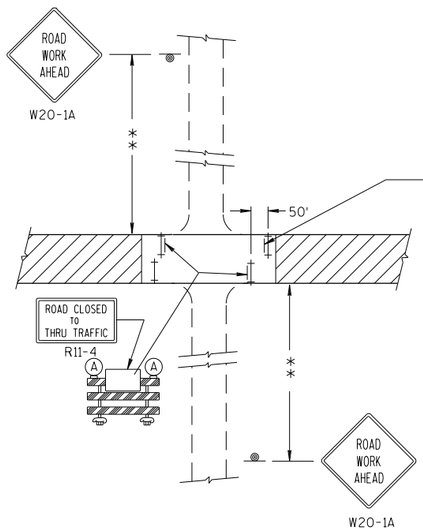
DETAIL 1

(NO ACCESS TO PROJECT)



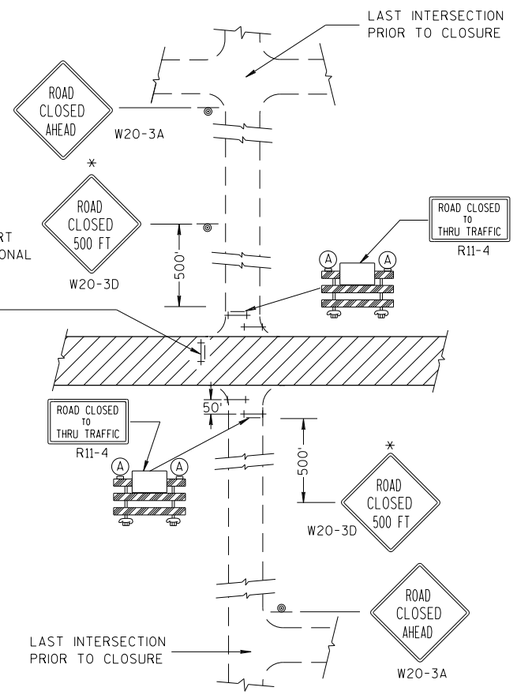
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR,
LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGI

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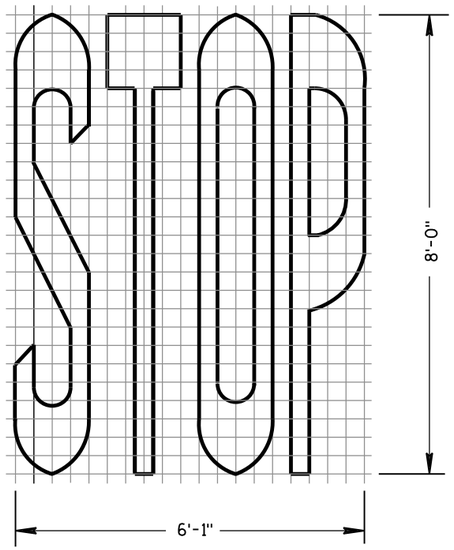
S.D.D. 15 C 3-5

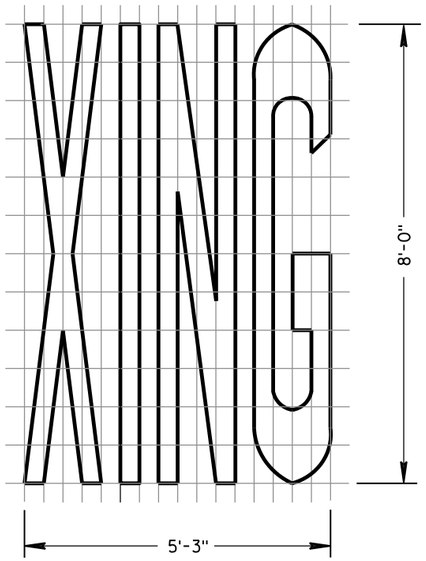
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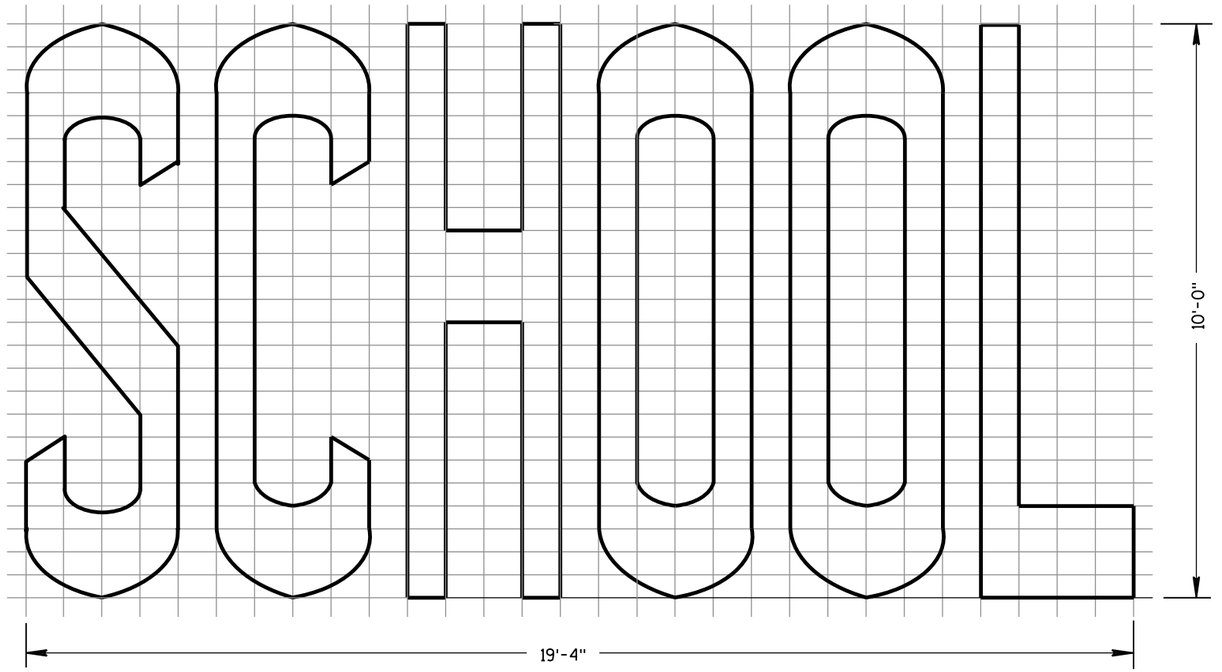
S.D.D. 15 C 3-5

GENERAL NOTES

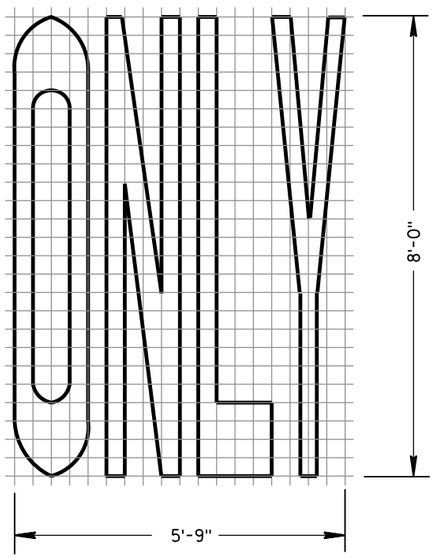
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

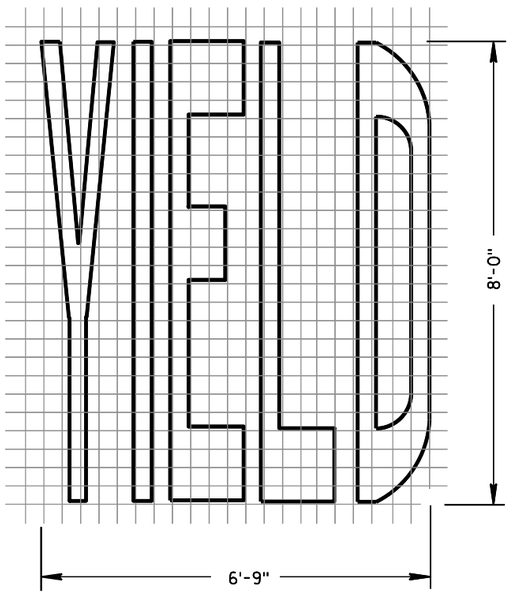


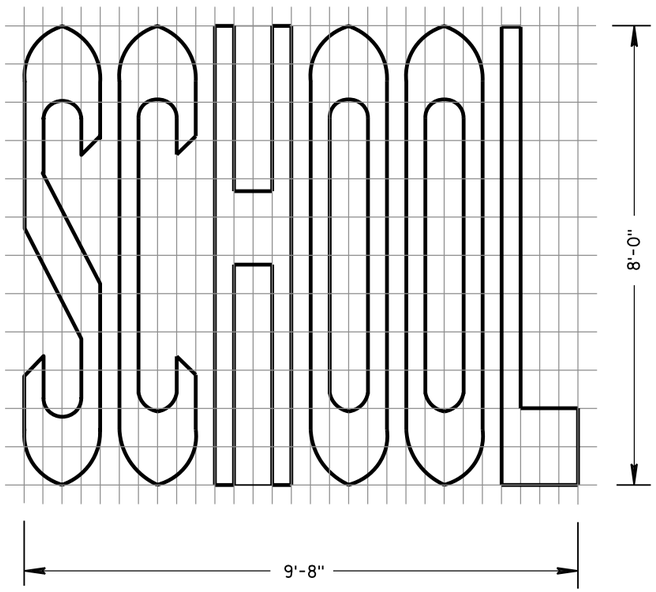




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

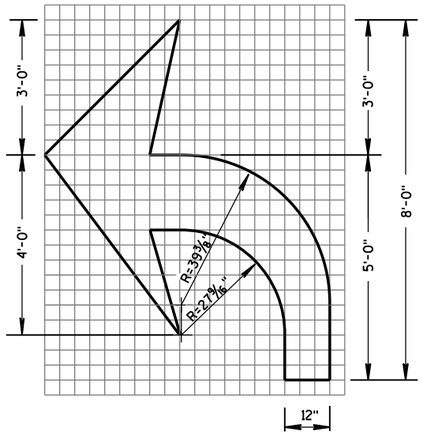
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June 2017 — DATE
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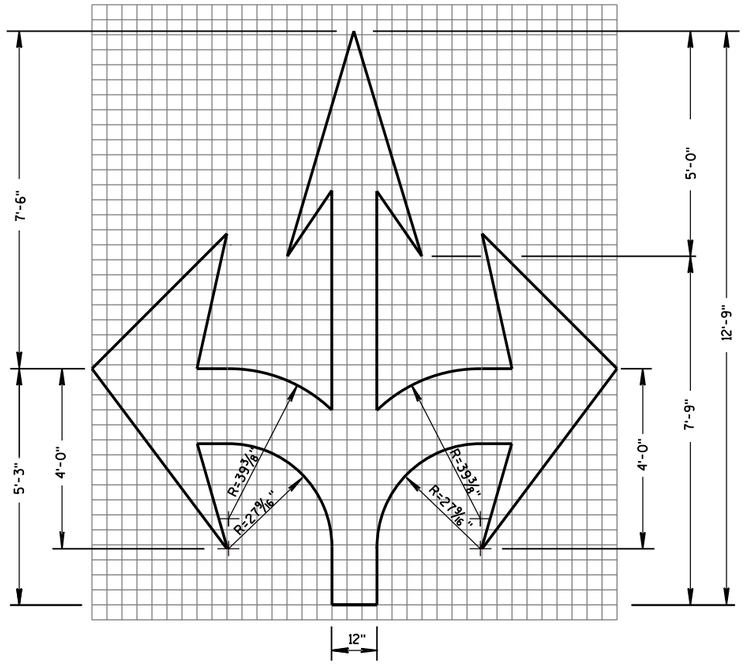
S.D.D. 15 C 7-14b

GENERAL NOTES

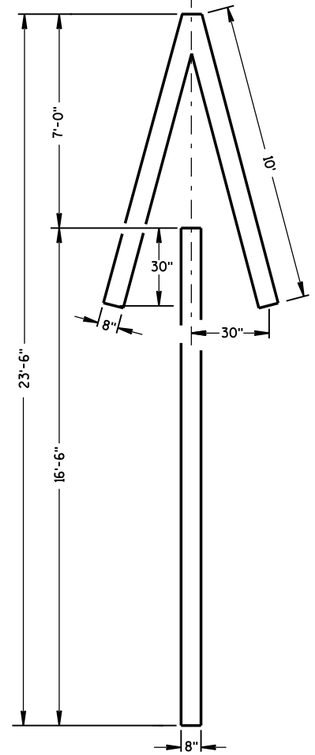
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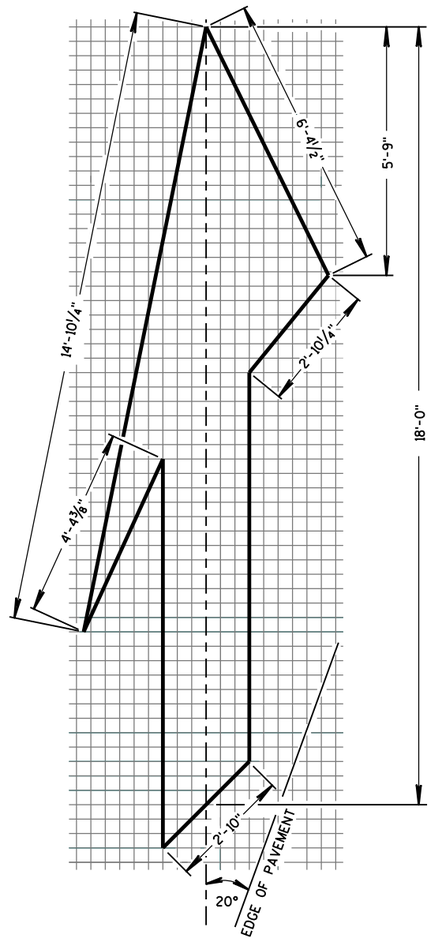
TYPE 2



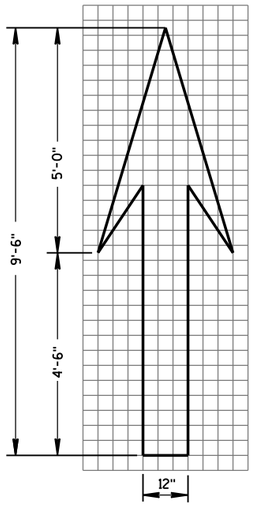
TYPE 6



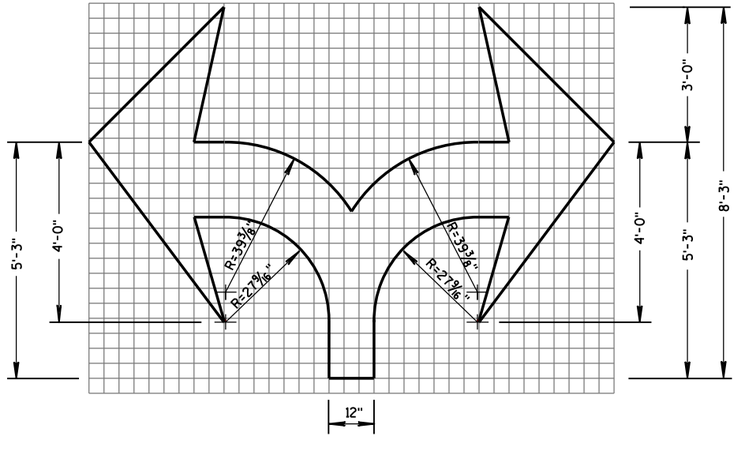
TYPE 4



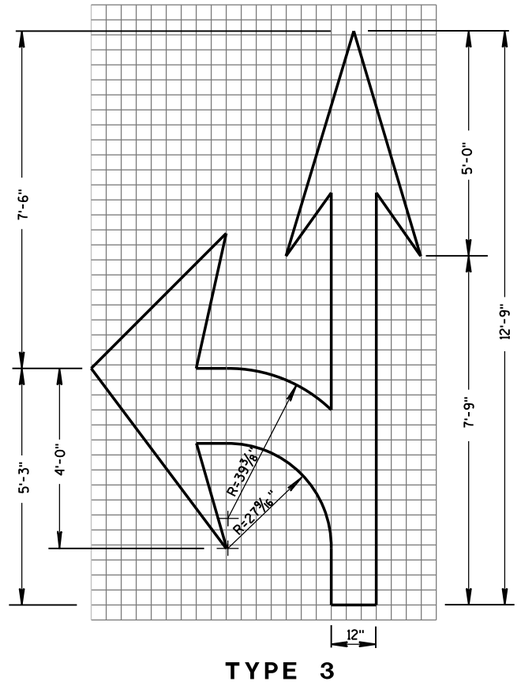
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

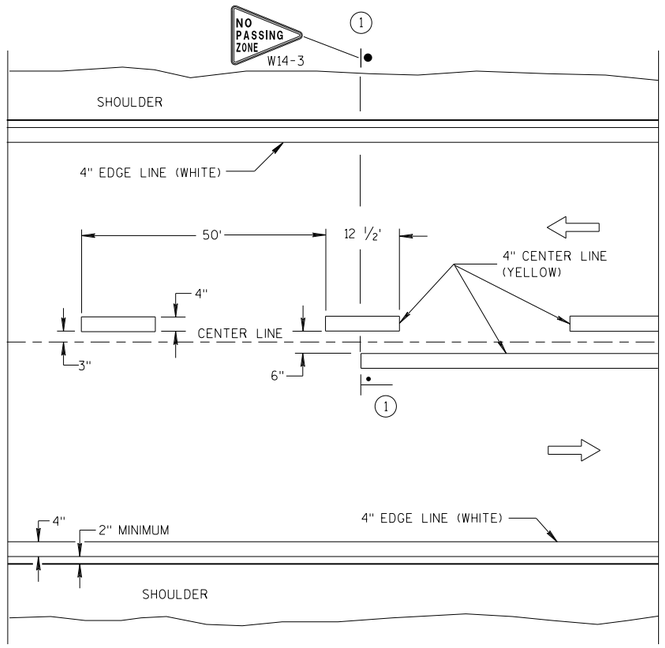
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June 2017 — DATE
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FHWA

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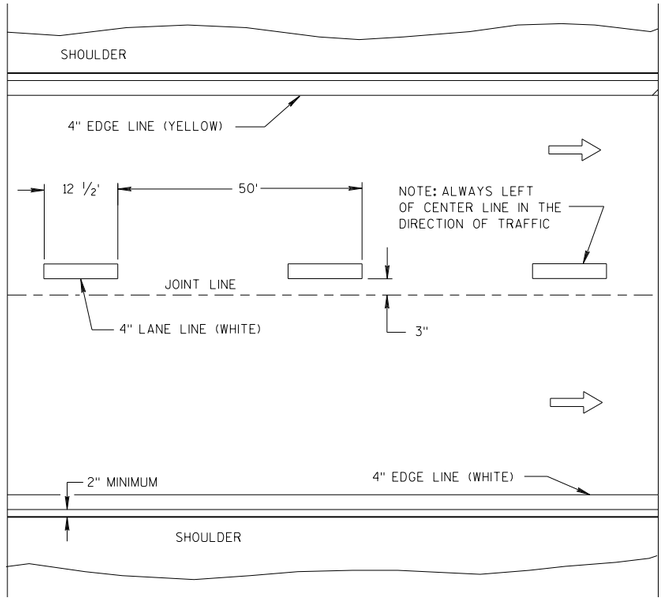
S.D.D. 15 C 7-14c

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S.D.D. 15 C 7-14c



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

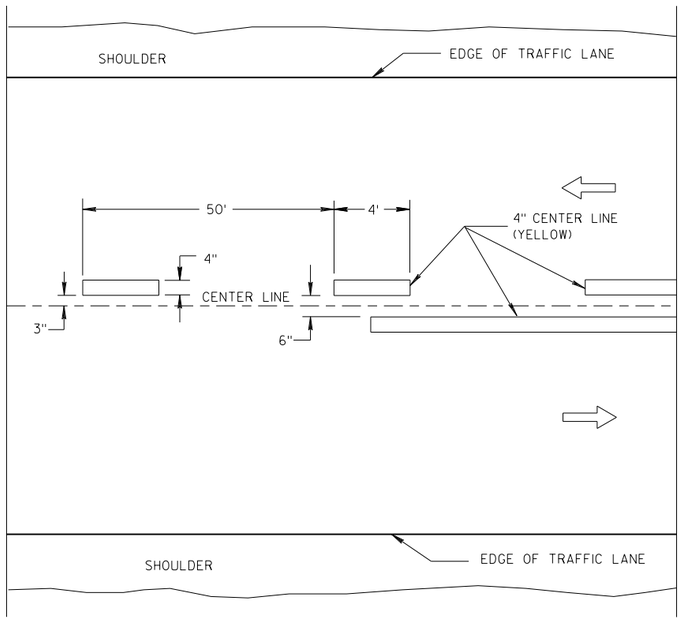
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

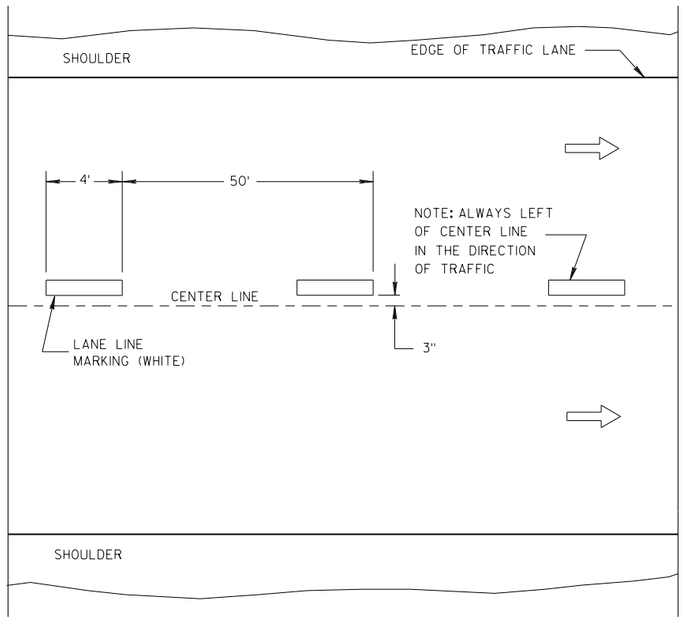
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MARKING ENGINEER

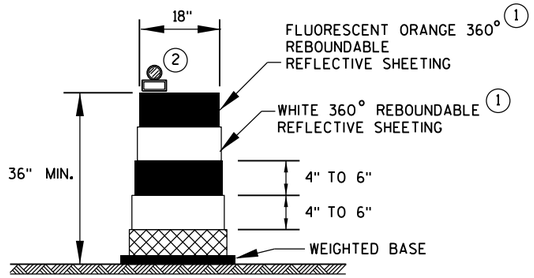
FHWA

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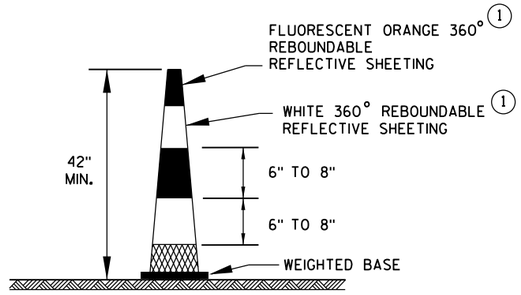
S.D.D. 15 C 8-19a

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S.D.D. 15 C 8-19a



DRUM

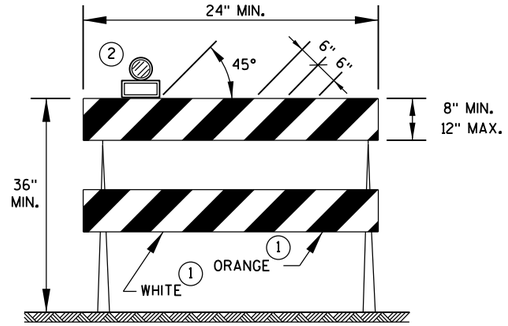


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

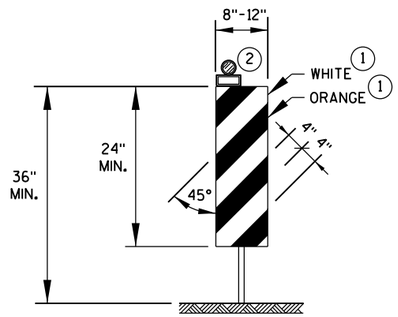
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



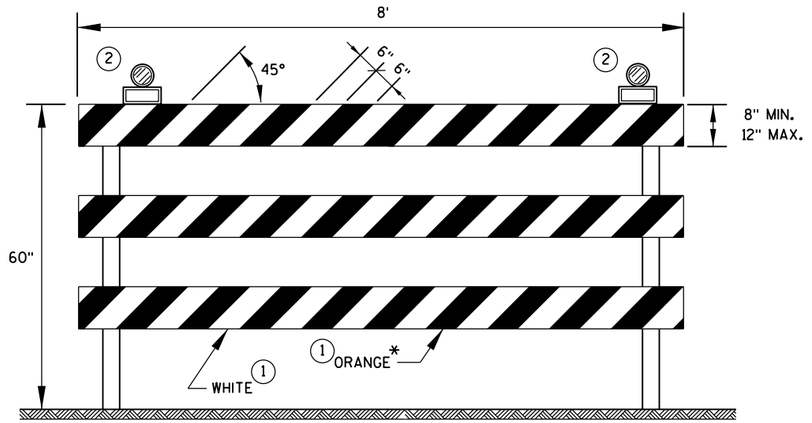
TYPE 2 BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE 3 BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017	/S/ Andrew Heidtke
DATE	WORK ZONE ENG

FHWA

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S.D.D. 15 C 11-7b

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LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

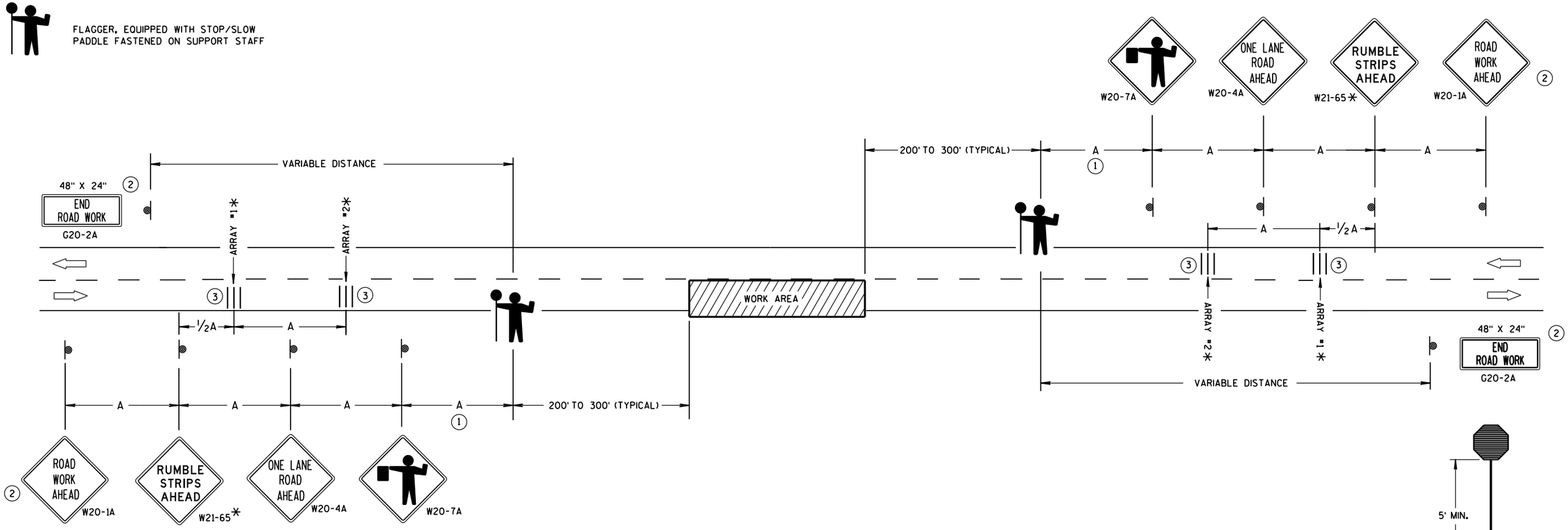
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

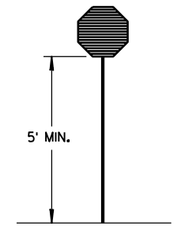
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING A
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING A.





STOP/SLOW PADDLE ON SUPPORT STAFF

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE LOCATION OF ALL FLAGGERS) SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

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

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, REMOVE TEMPORARY RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

* UTILIZE TEMPORARY RUMBLE STRIPS WHEN FLAGGING OPERATION IS ANTICIPATED TO BE STATIONARY IN EXCESS OF TWO HOURS.

(1) FOR A MOVING WORK OPERATION, SIGNING AND TEMPORARY RUMBLE STRIPS (IF USED) SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3,500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(3) EACH TEMPORARY RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

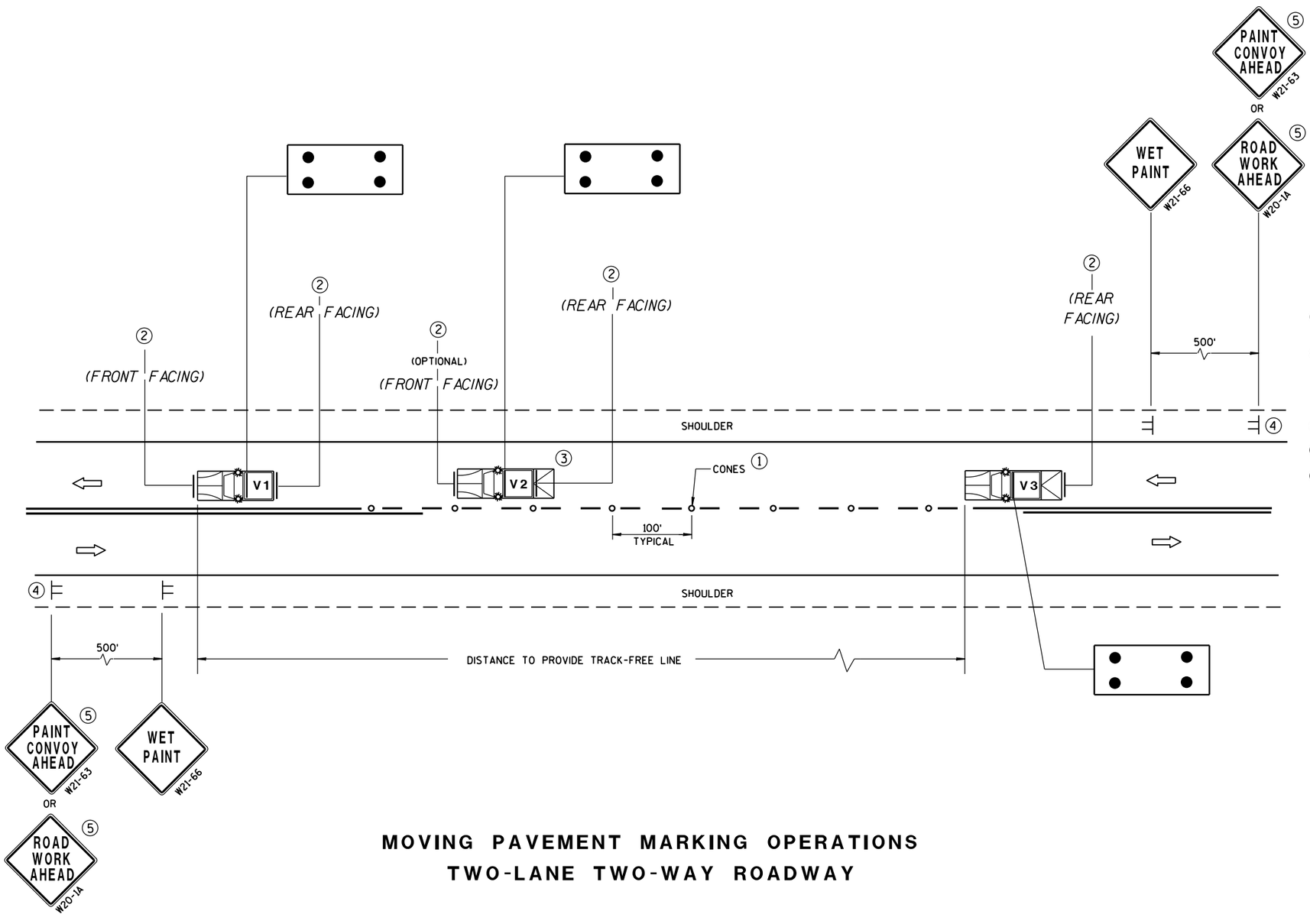
APPROVED
June 2017 — DATE
/S/ Andrew Heldtke — WORK ZONE ENG
FHWA

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S.D.D. 15 C 12-6

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S.D.D. 15 C 12-6



MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) OPTIONAL TRUCK-MOUNTED ATTENUATOR.

(4) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(5) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

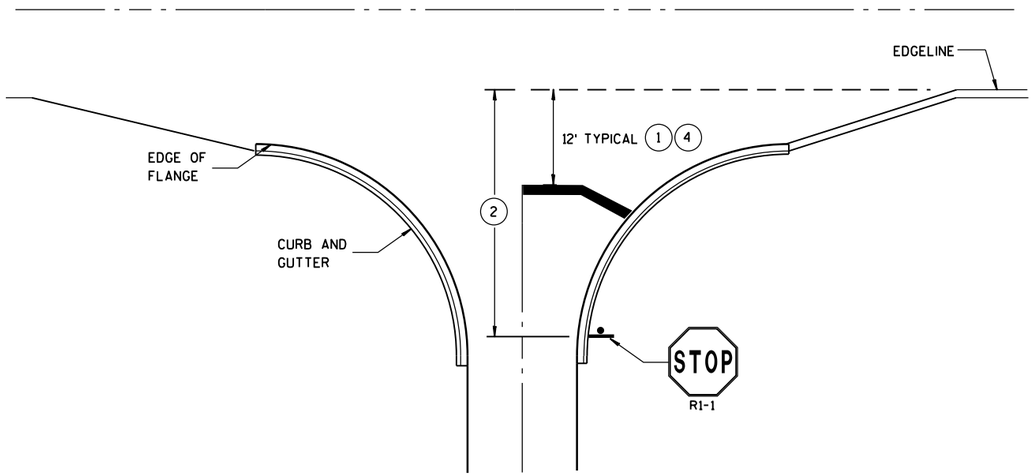
LEGEND

- **V1** LEAD VEHICLE
- **V2** SHADOW VEHICLE
- **V3** TRAIL VEHICLE WITH TMA
- **TMA** TRUCK-MOUNTED ATTENUATOR
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- CONES
- FLASHING ARROW PANEL (CAUTION)

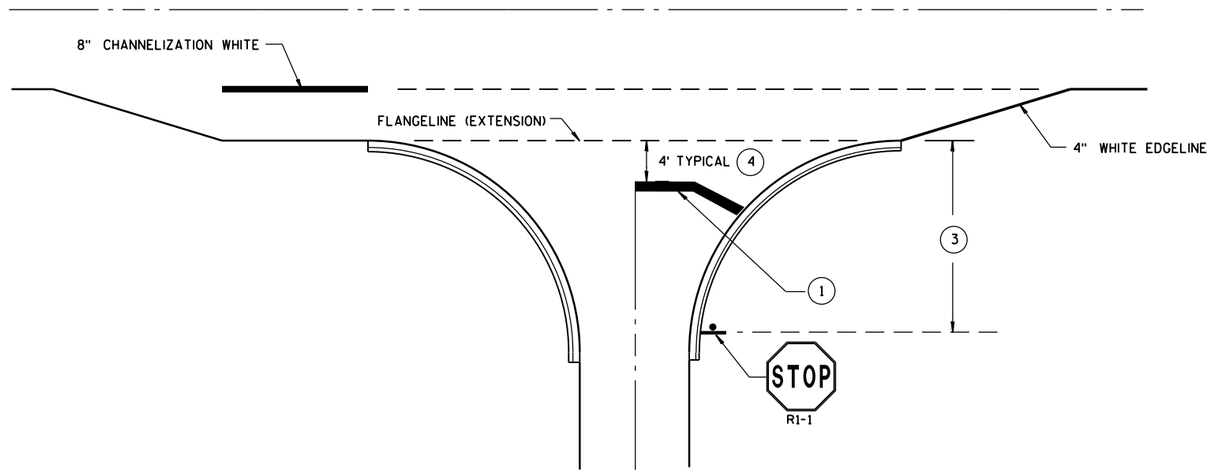
MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
Sept., 2017 DATE	/S/ Andrew Heldtke WORK ZONE ENGR
FHWA	236

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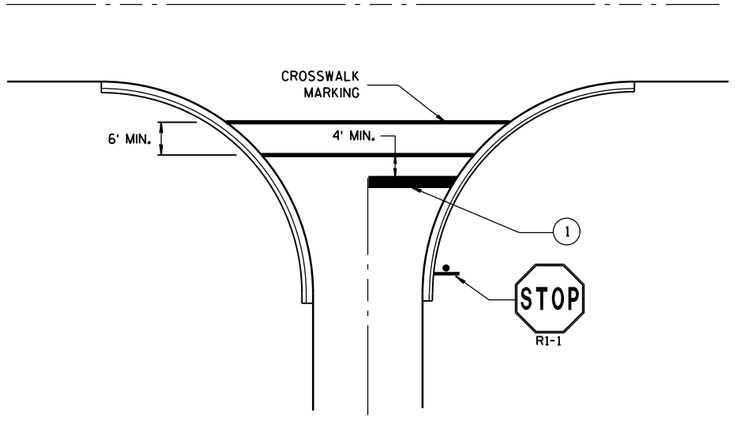
S.D.D. 15 C 19-5a



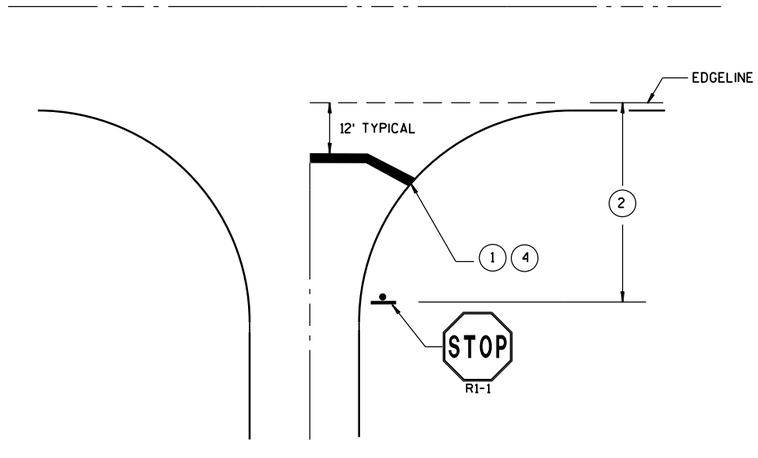
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

(1) 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

(2) IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.

(3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.

(4) MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAR 237 NEER

FHWA

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S.D.D. 15 C 33-3

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
S \ W	4	6	8	10	
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

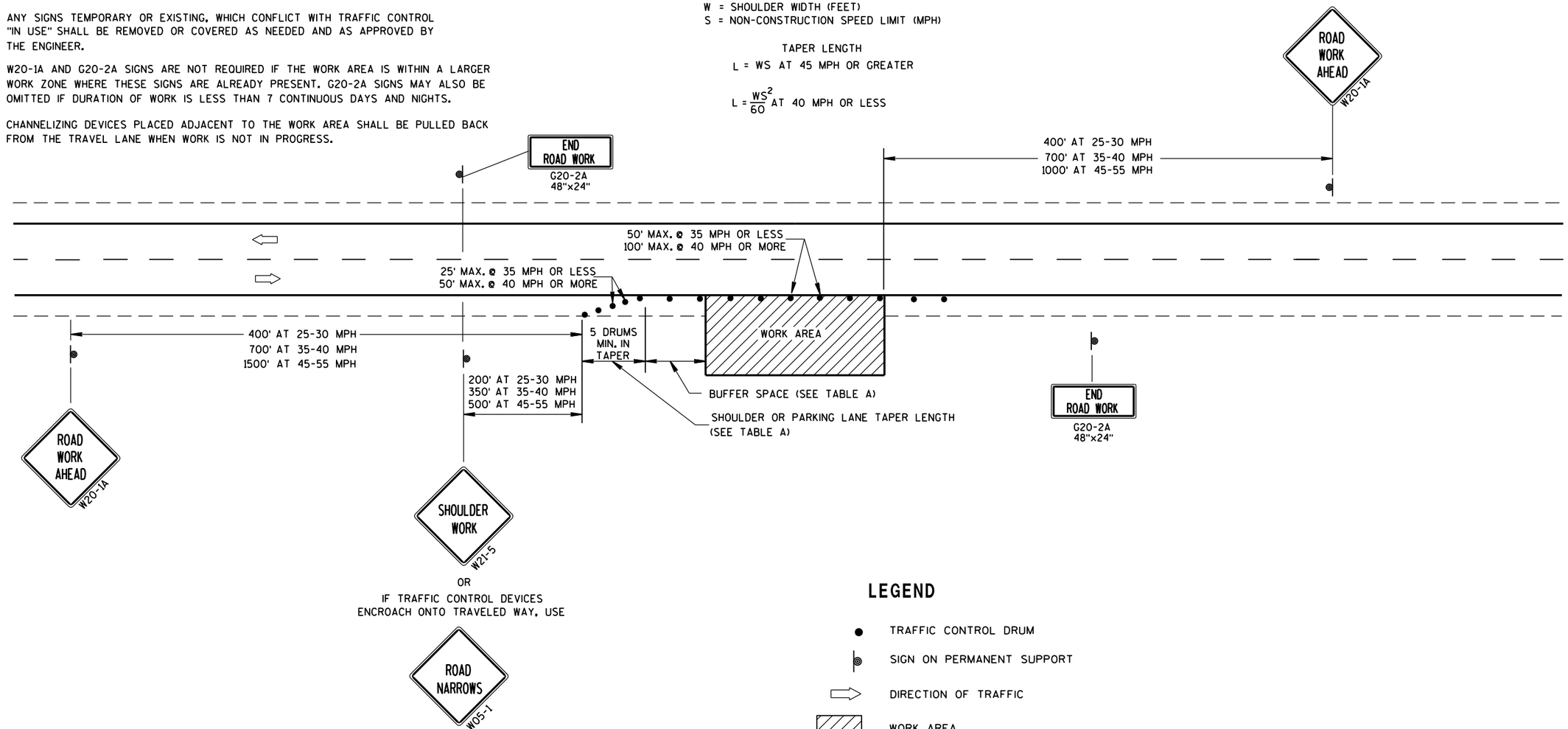
W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L = WS AT 45 MPH OR GREATER

$L = \frac{WS^2}{60}$ AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = $\frac{1}{3}L$



LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

July 14, 2015 — DATE

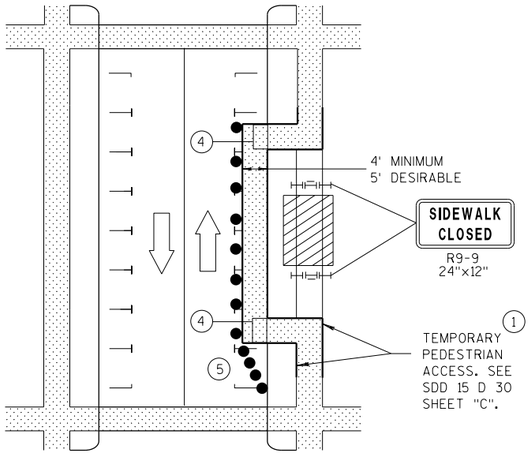
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible] FIC

FHWA

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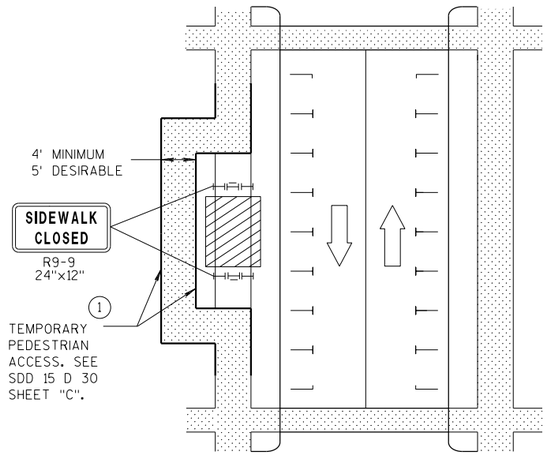
S.D.D. 15 D 28-3

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

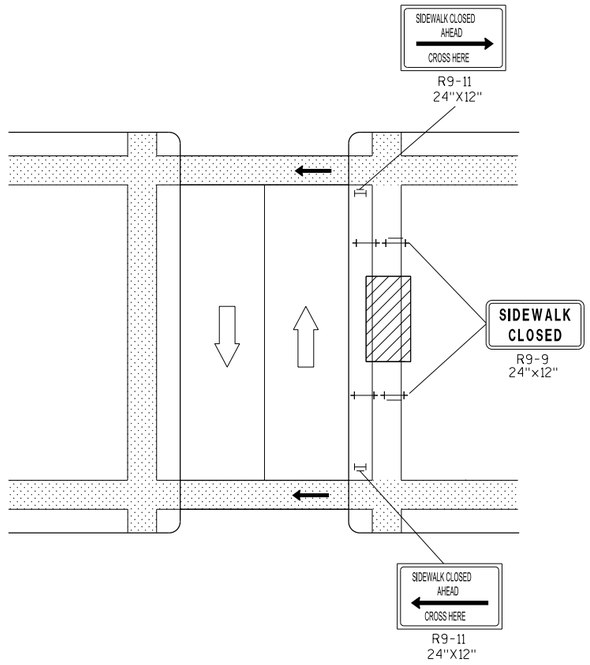


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

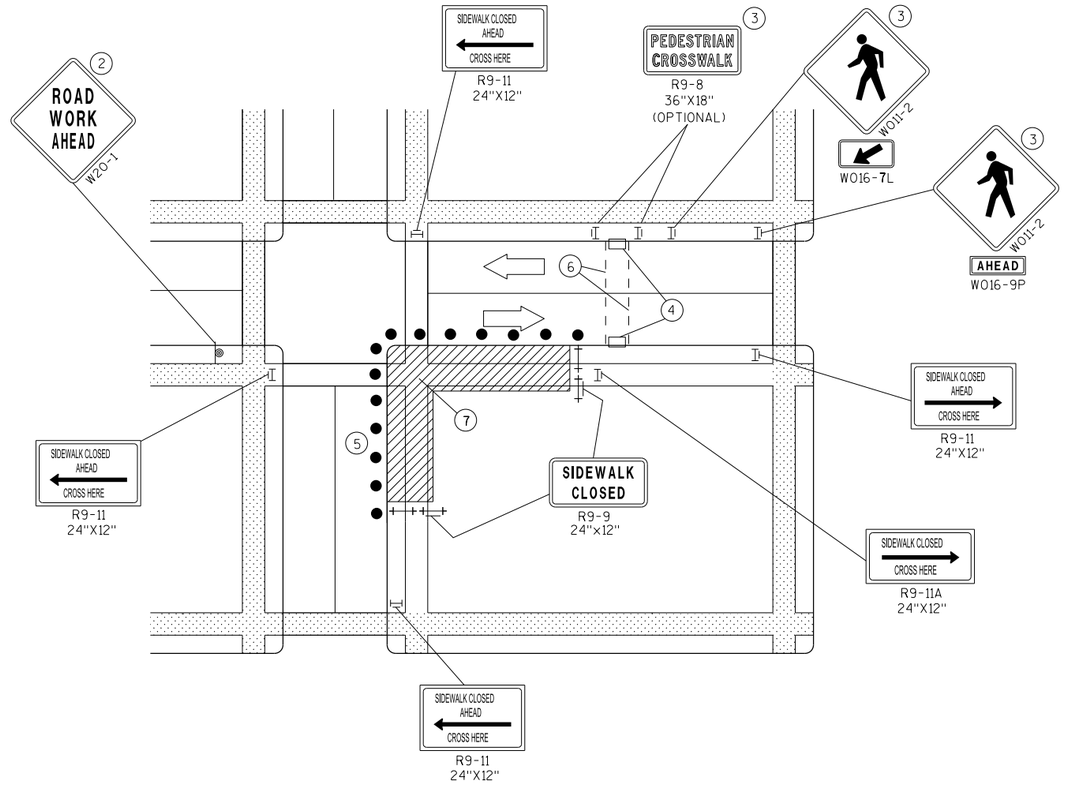
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

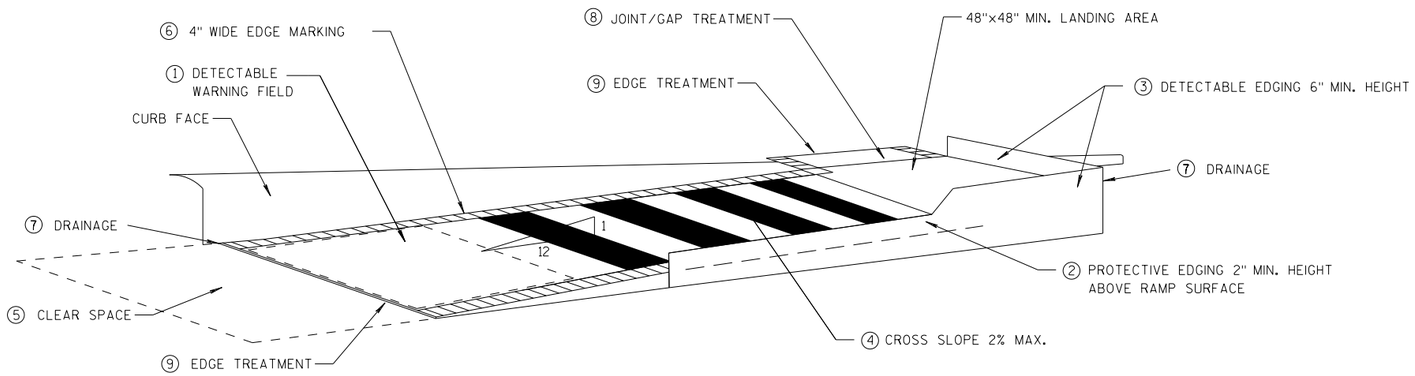
LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

S.D.D. 15 D 30-4a



TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

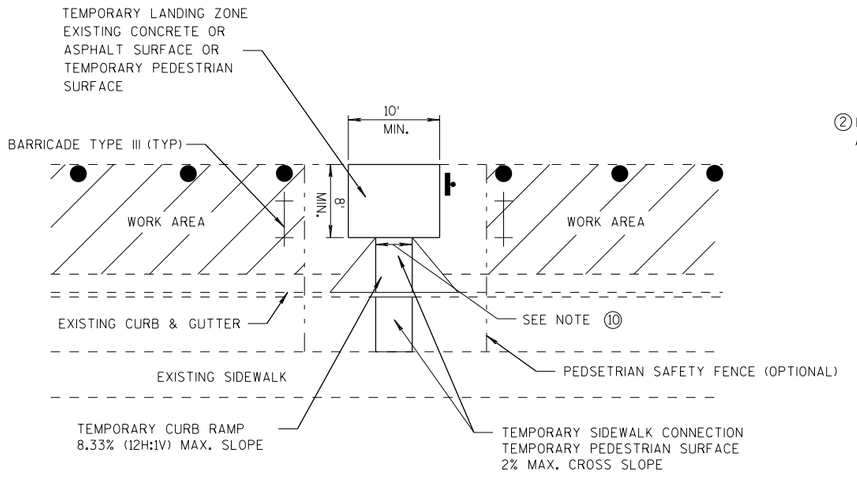
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

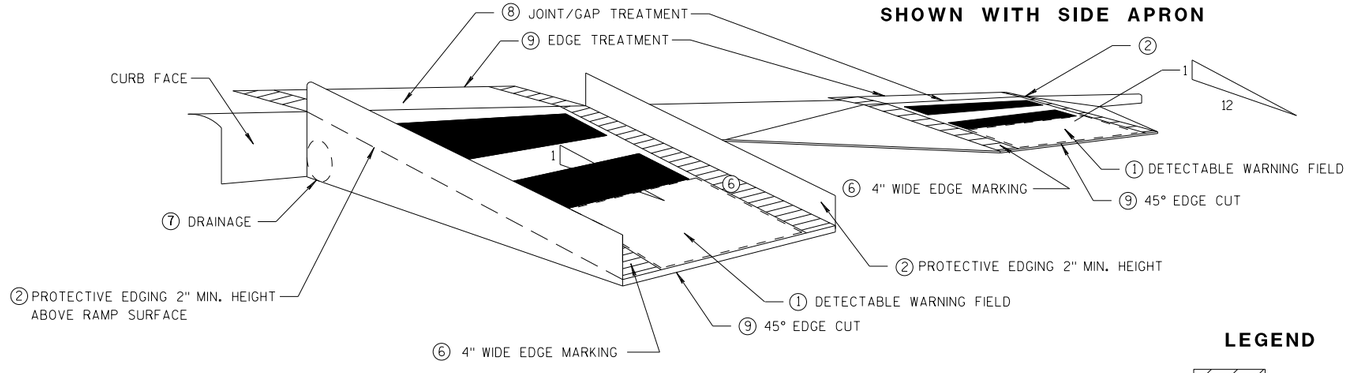
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 DATE

/S/ Andrew Heidtke
WORK ZONE ENG

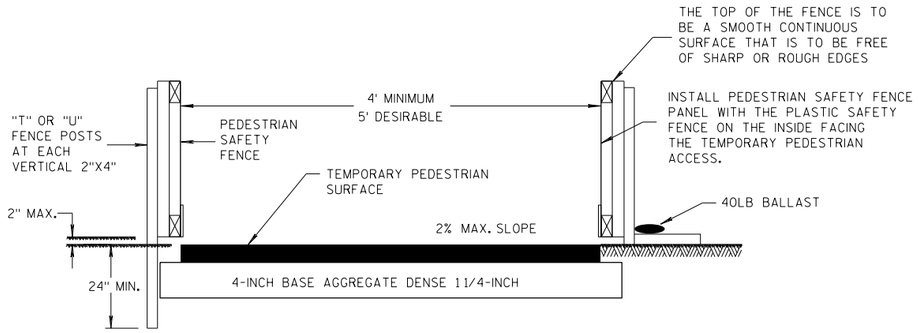
FHWA

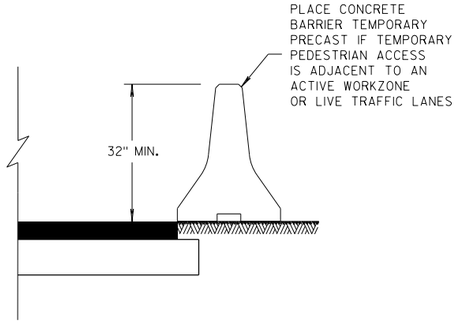
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S.D.D. 15 D 30-4b

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S.D.D. 15 D 30-4b

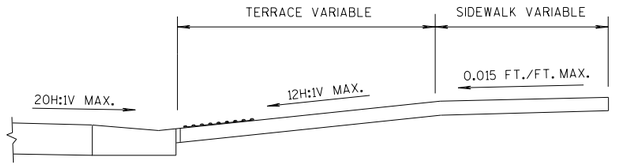




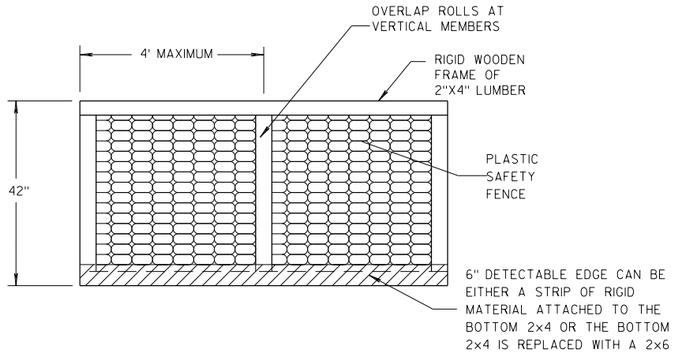
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

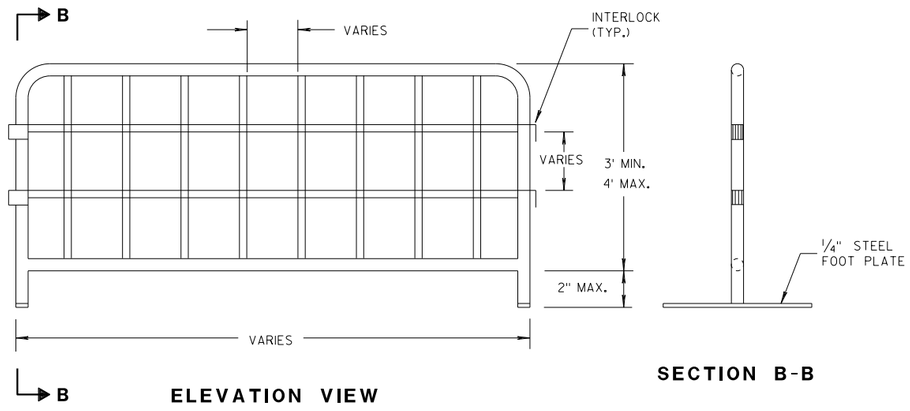
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



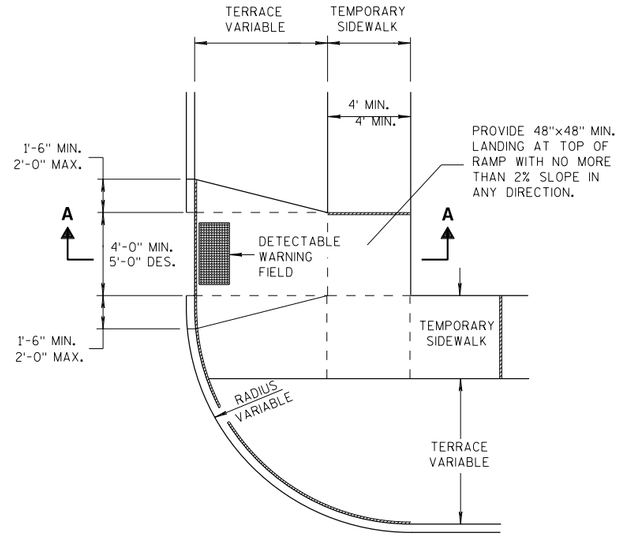
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

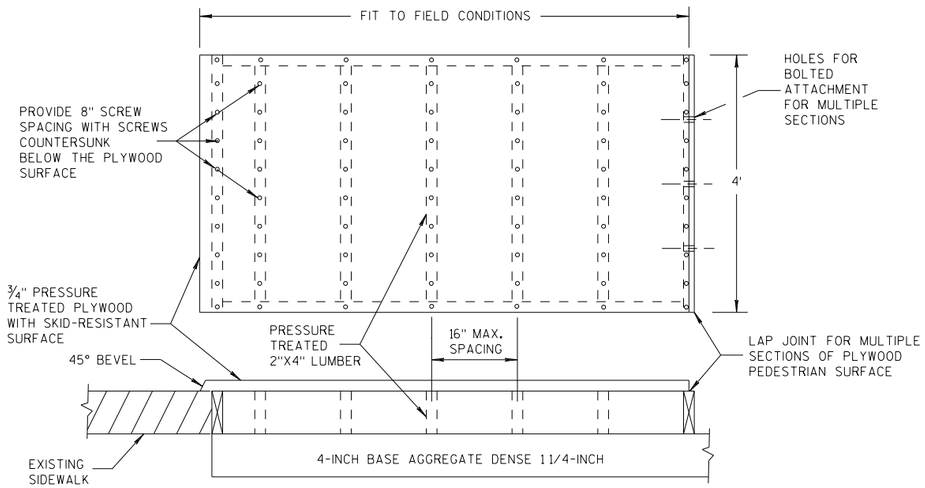
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



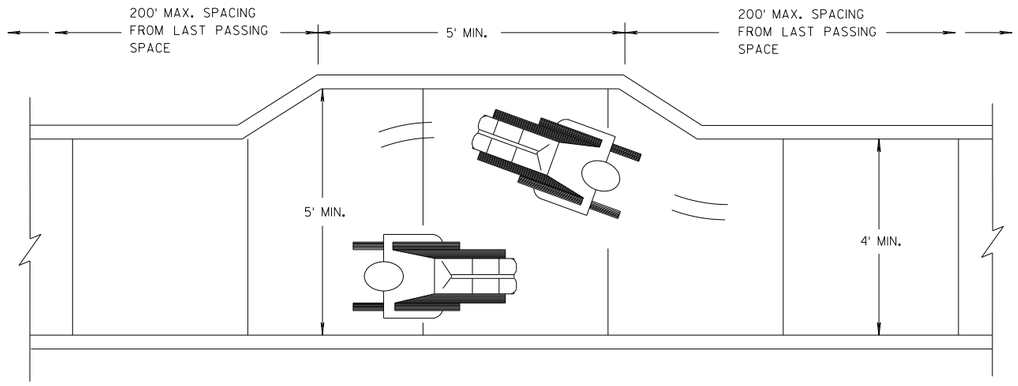
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENG

FHWA

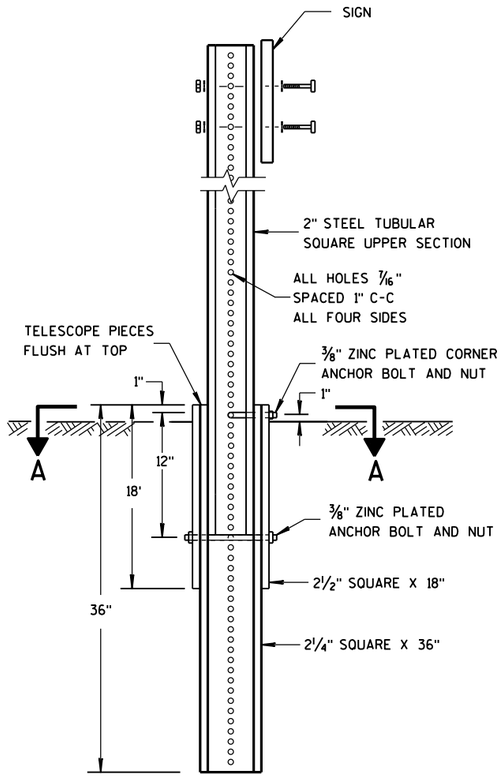
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6

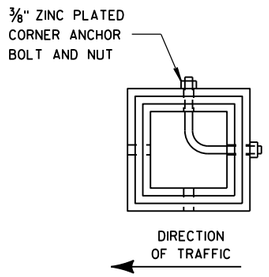
S.D.D. 15 D 30-4c

6

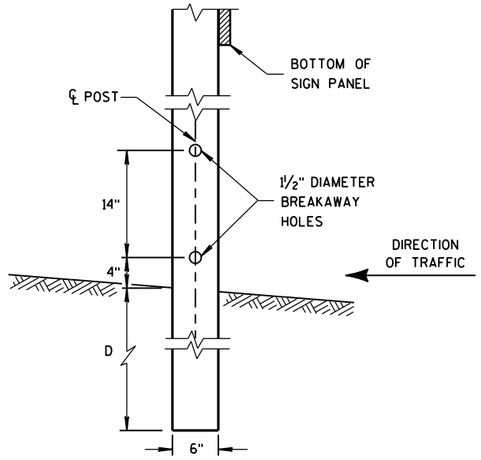
S.D.D. 15 D 30-4c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



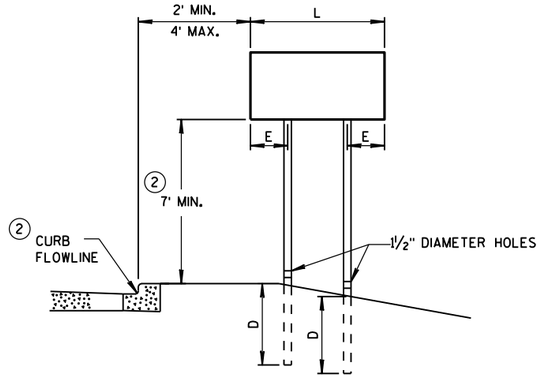
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

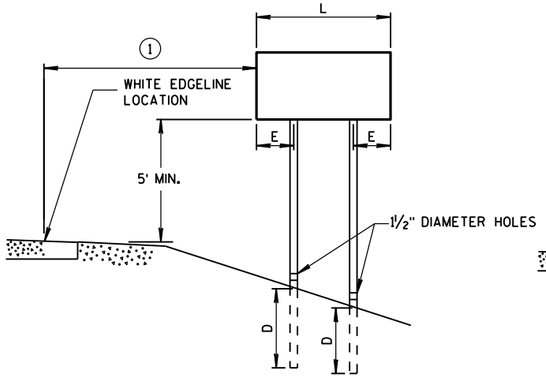
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

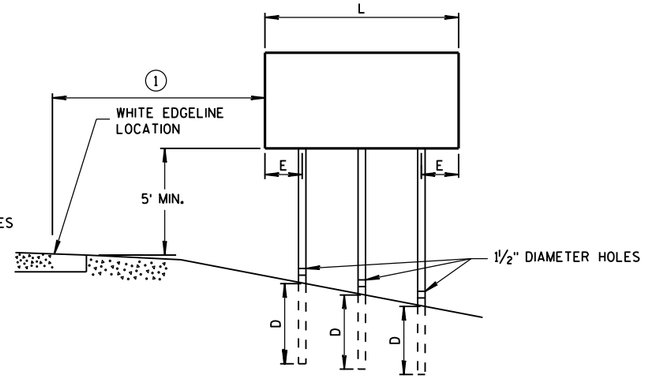
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

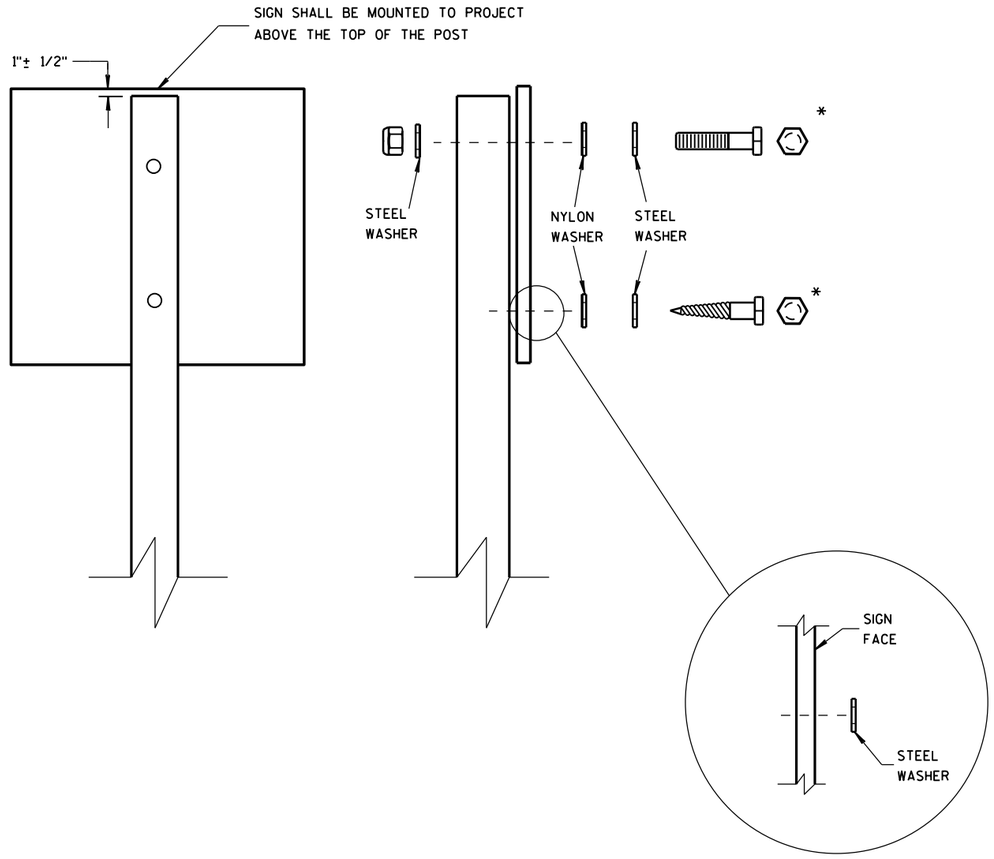
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

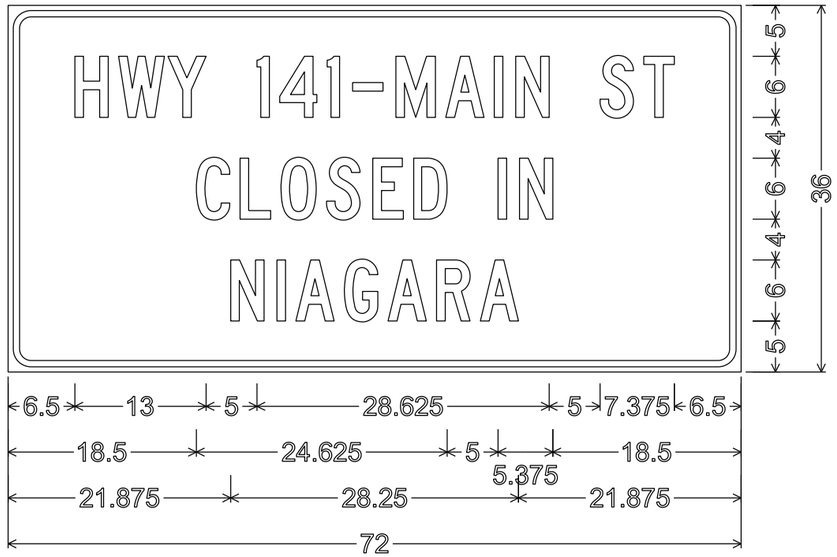
June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

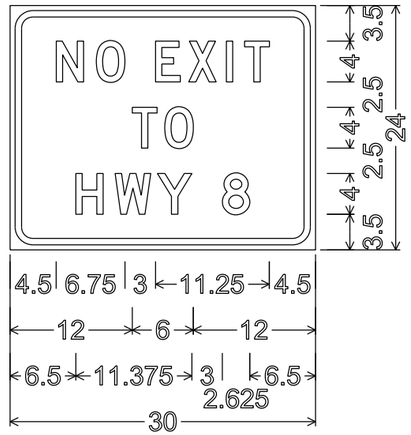
FHWA

NOTES

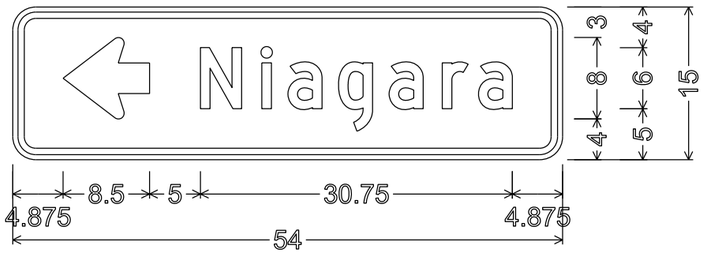
1. Fixed Message Type II Signs - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D except as noted



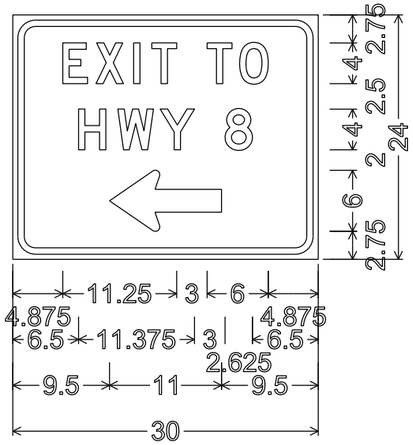
2.250" Radius, 0.625" Border, 0.500" Indent,
"HWY" C; "141-MAIN" C; "ST" C; "CLOSED" C; "IN" C; "NIAGARA" C



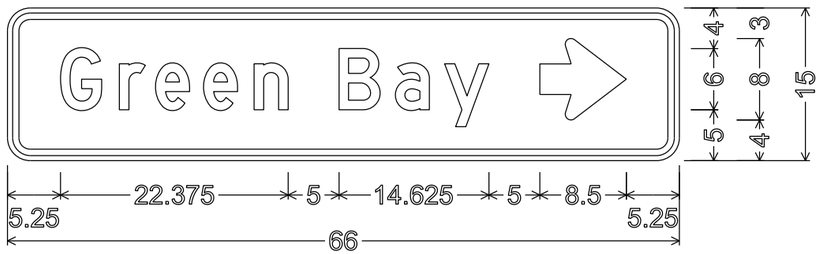
2.250" Radius, 0.625" Border, 0.500" Indent



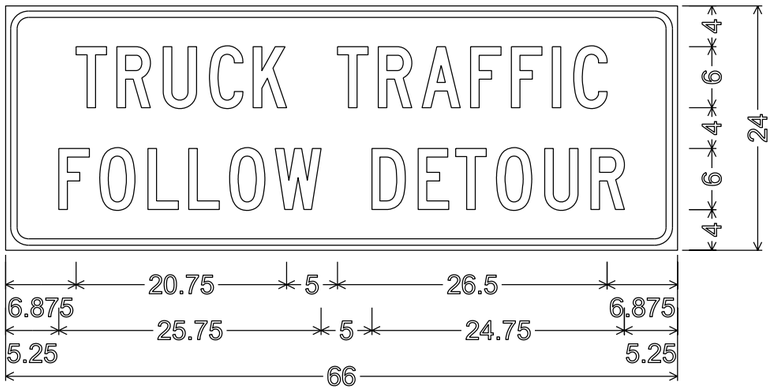
2.250" Radius, 0.625" Border, 0.500" Indent



2.250" Radius, 0.625" Border, 0.500" Indent



2.250" Radius, 0.625" Border, 0.500" Indent



2.250" Radius, 0.625" Border, 0.500" Indent,
"TRUCK" C; "TRAFFIC" C; "FOLLOW" C; "DETOUR" C

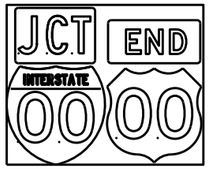
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7

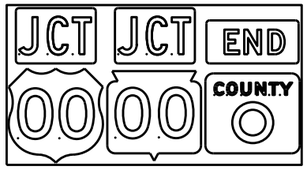
TYPICAL ASSEMBLIES



J1-1



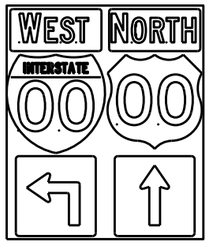
J1-2



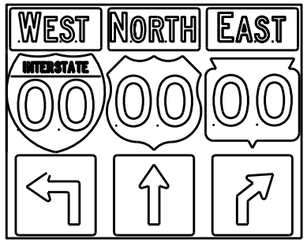
J1-3



J2-1



J2-2

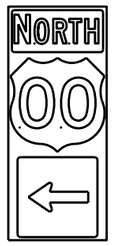


J2-3

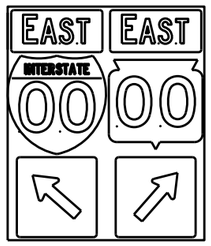


JV

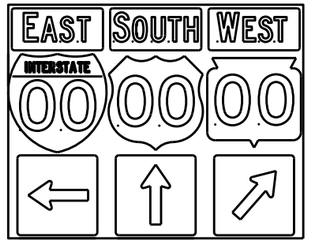
(Typical Vertical J-Assembly
See Note 10 and 11)



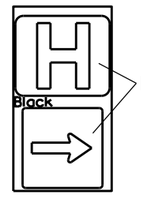
J3-1



J3-2



J3-3

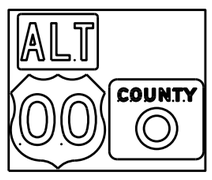


Blue Background

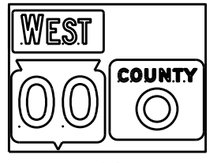
JH-1



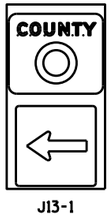
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

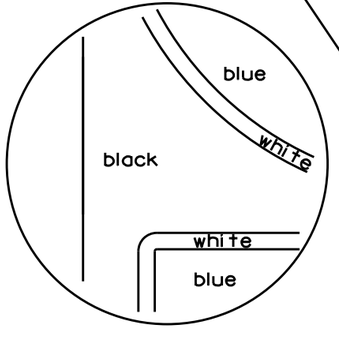


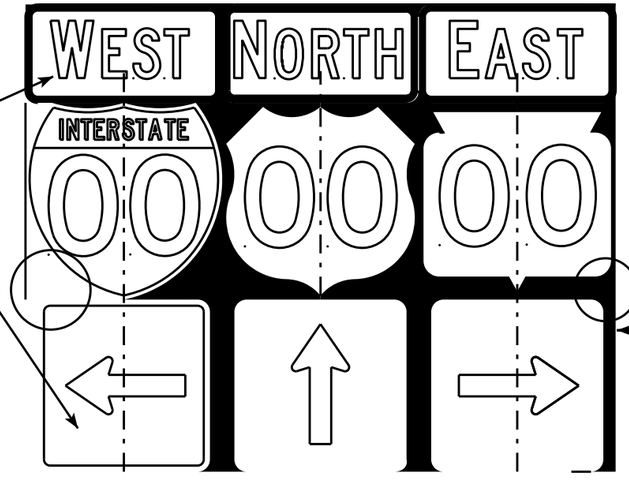
J23-1

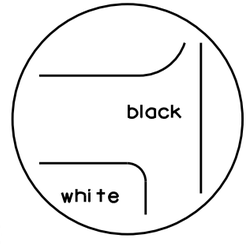


J22-1

blue background
with interstate







black background

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

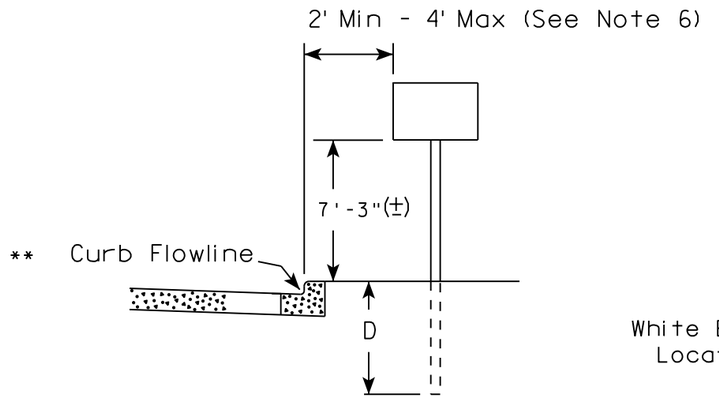
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

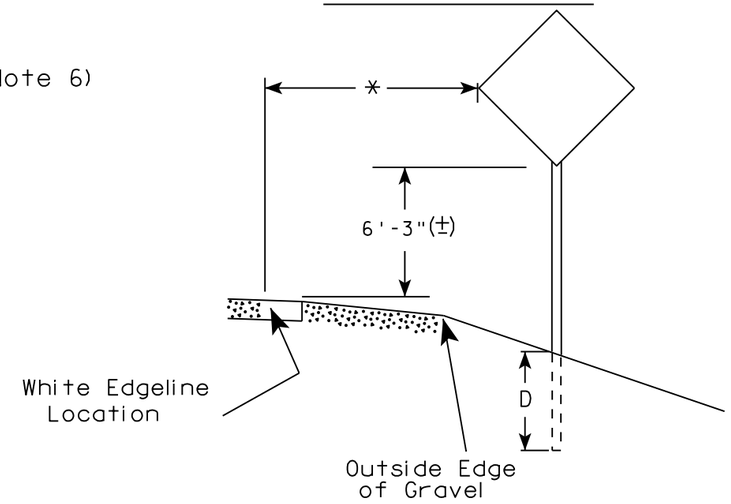
PROJECT NO: | SHEET NO: E

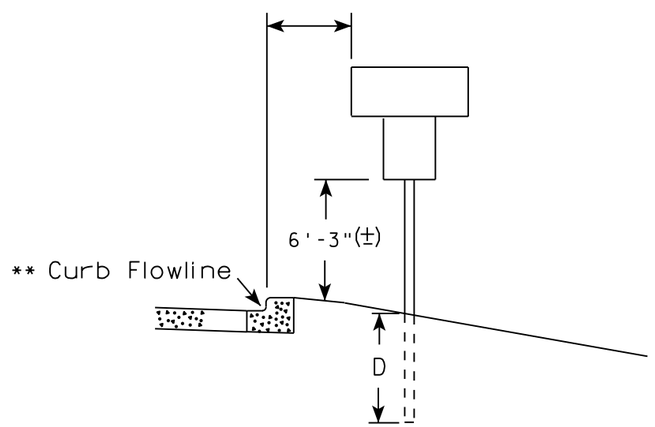
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :
WISDOT/CADDS SHEET 42

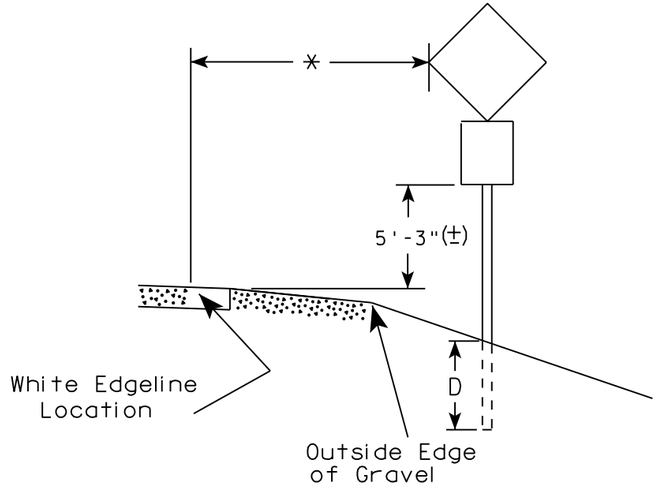
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

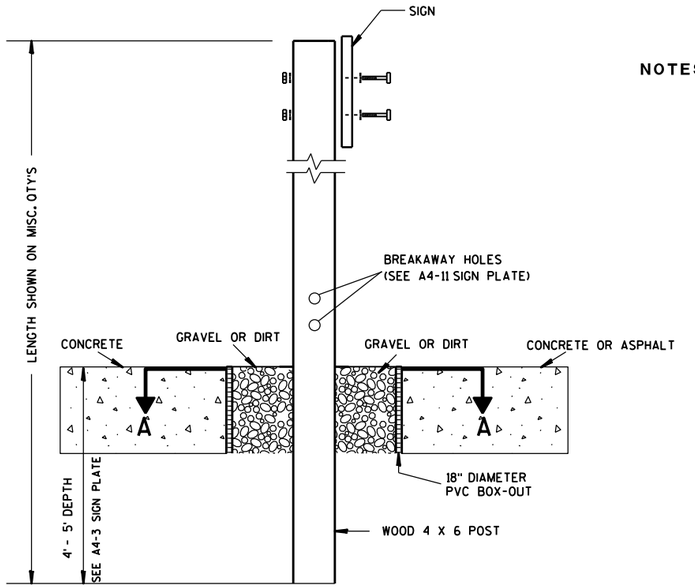
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

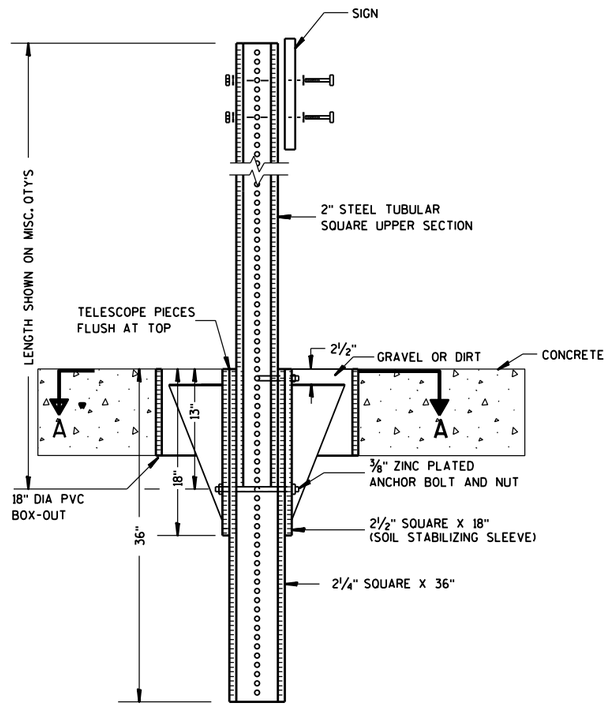
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 246	E



ELEVATION VIEW

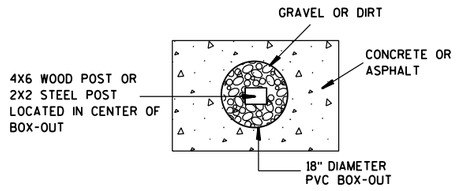
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

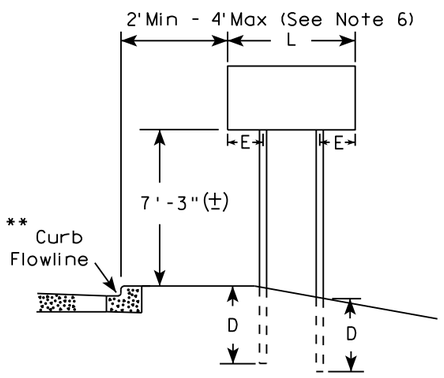
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

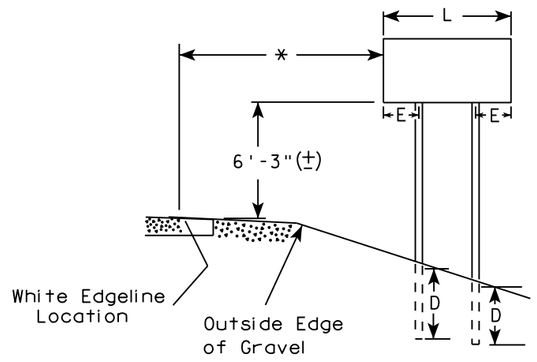
DATE 1/27/14 PLATE NO. A4-3B.1

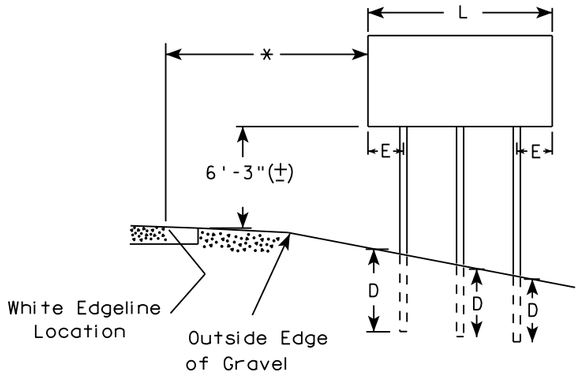
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

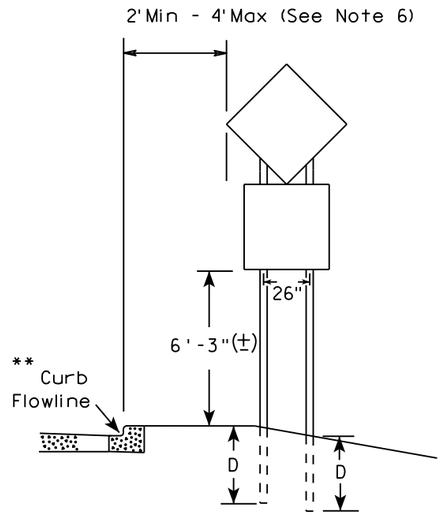
URBAN AREA



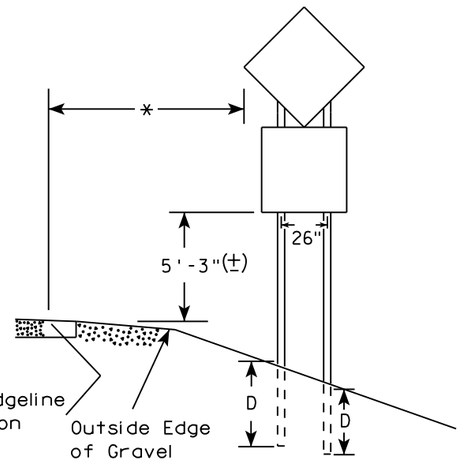
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

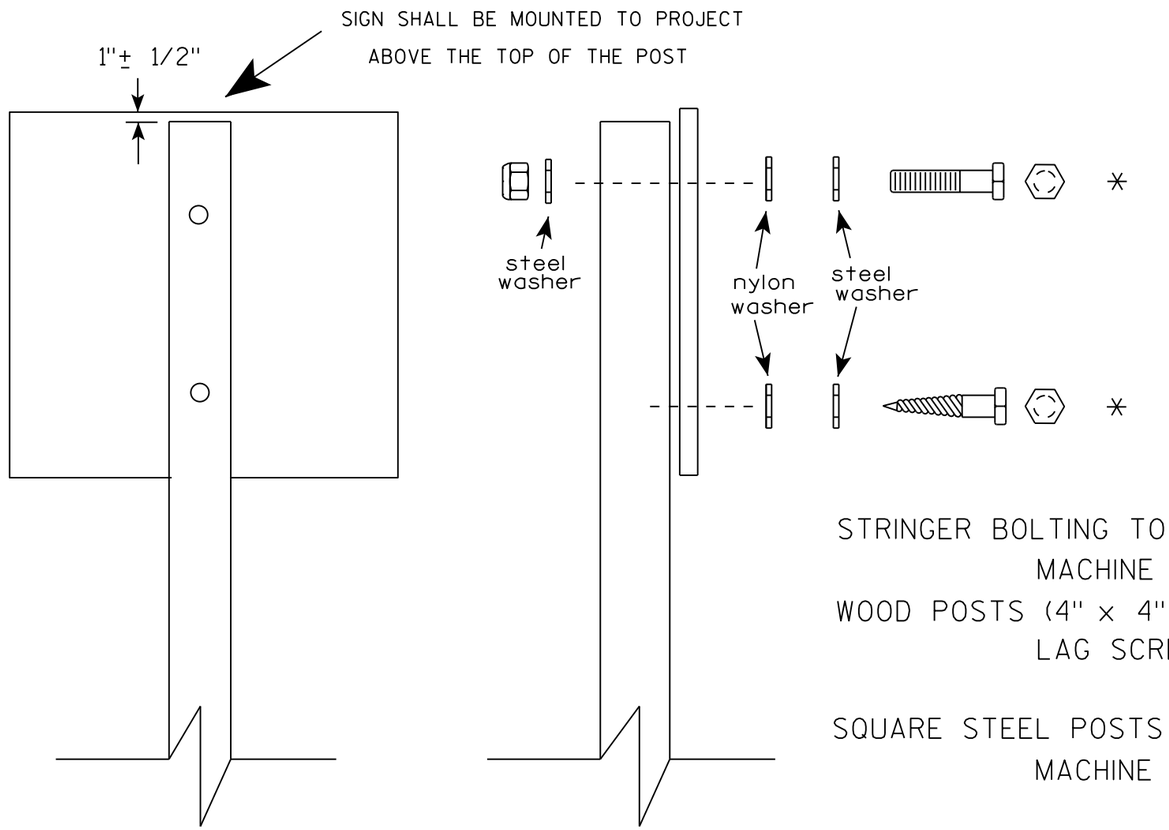
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 248	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)

3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)

3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

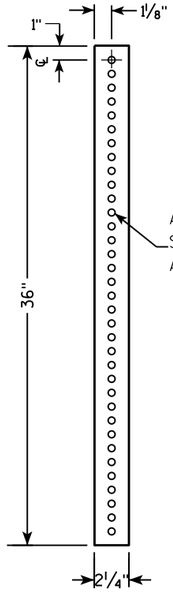
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

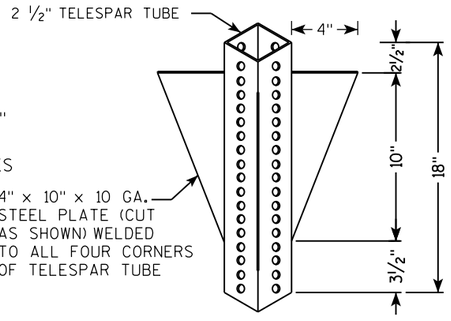
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

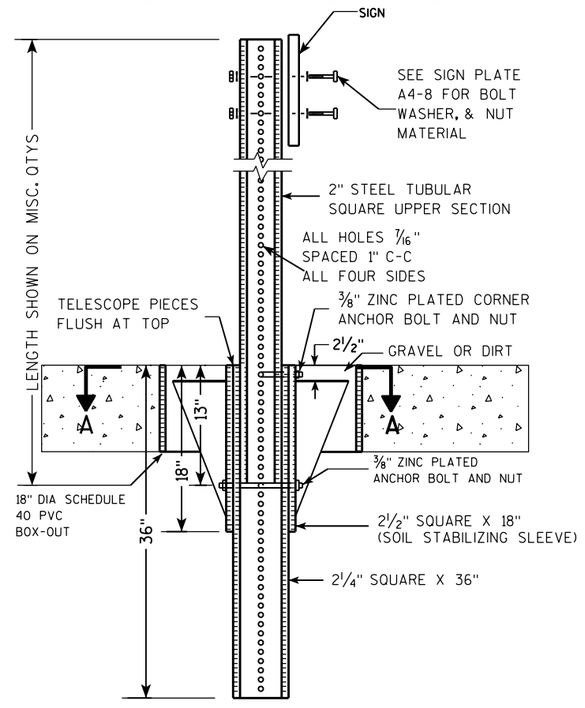
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



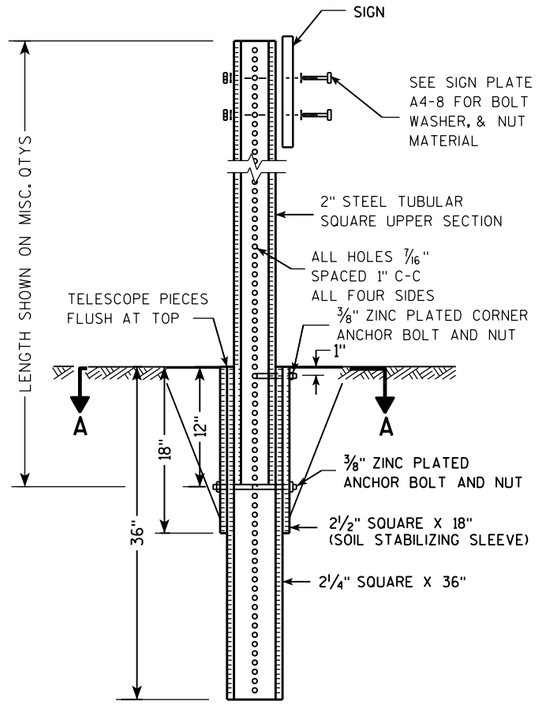
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

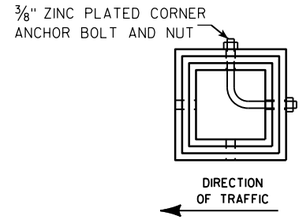


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

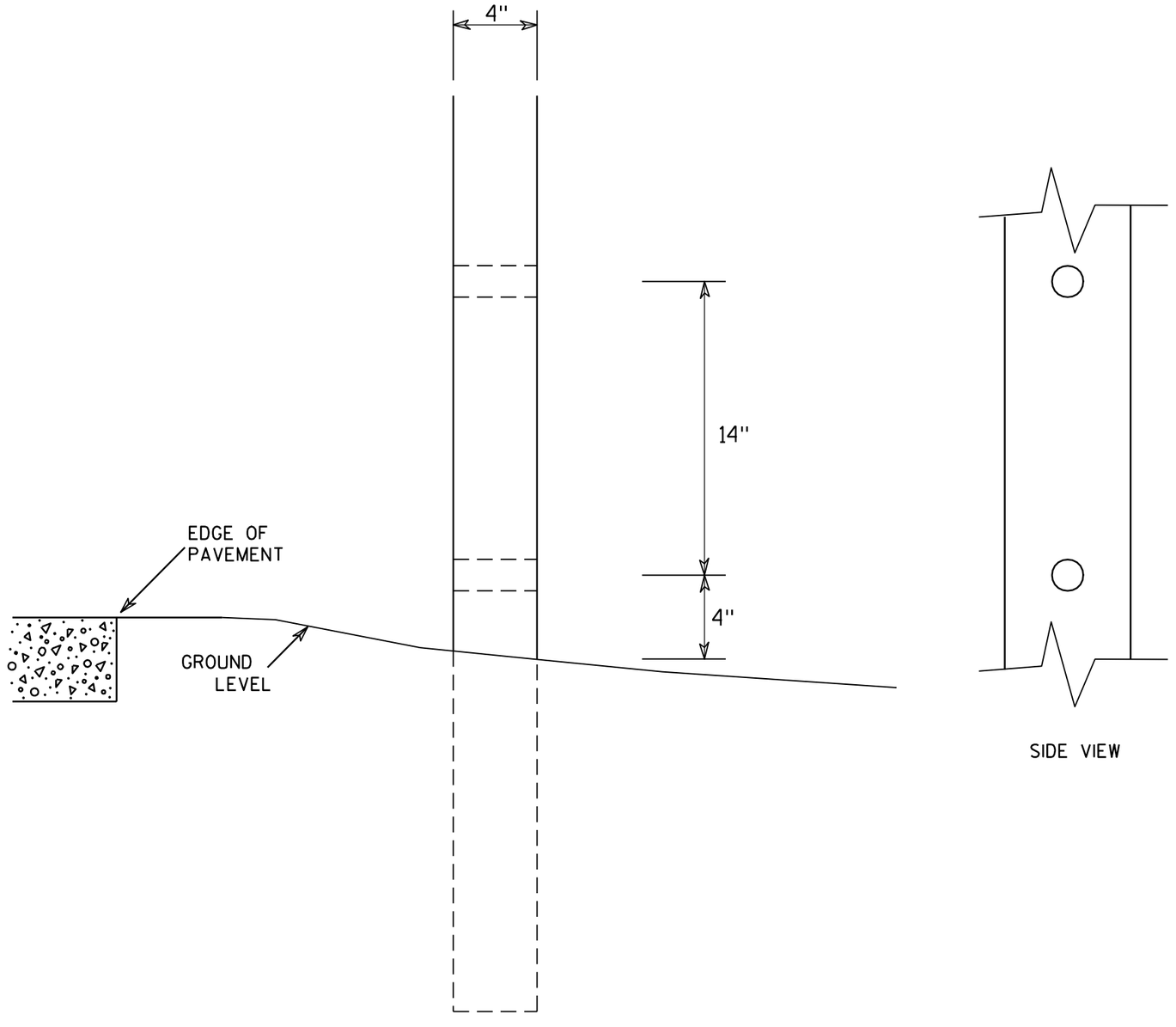
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 250 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

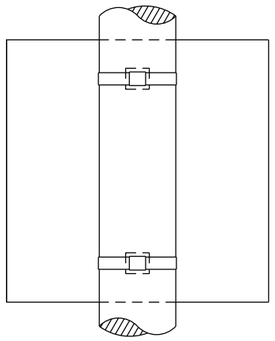
APPROVED Chester J Spang for State Traffic Engineer

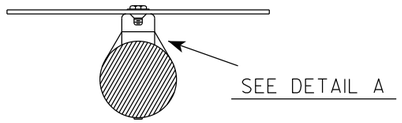
DATE 3/27/97 PLATE NO. A4-11.2

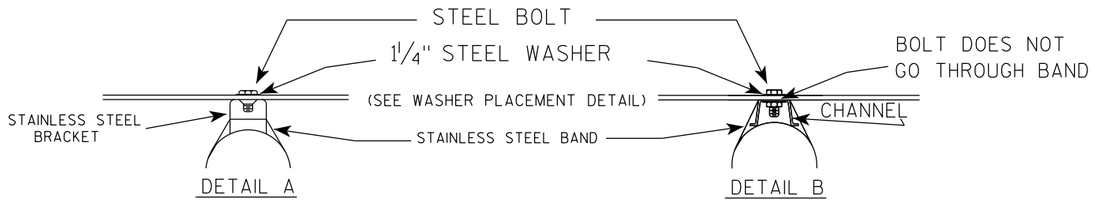
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 251	E

BANDING

SINGLE SIGN



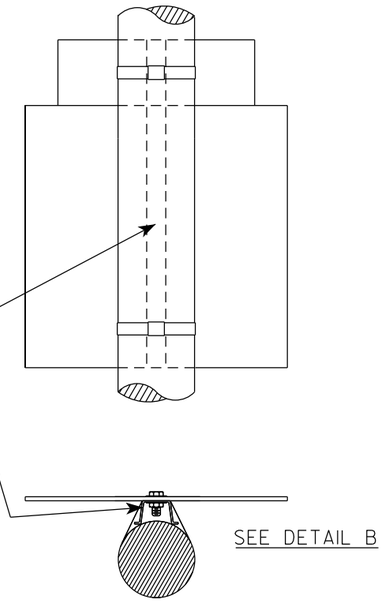




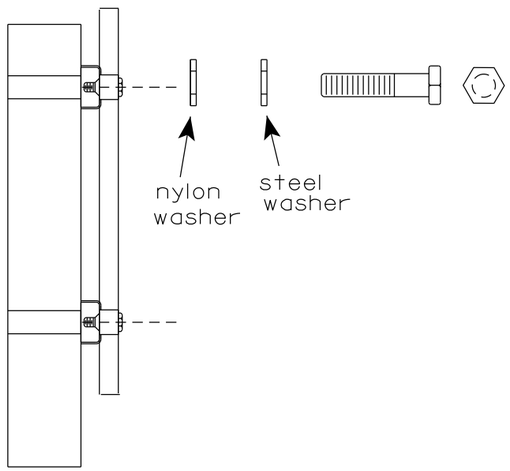
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

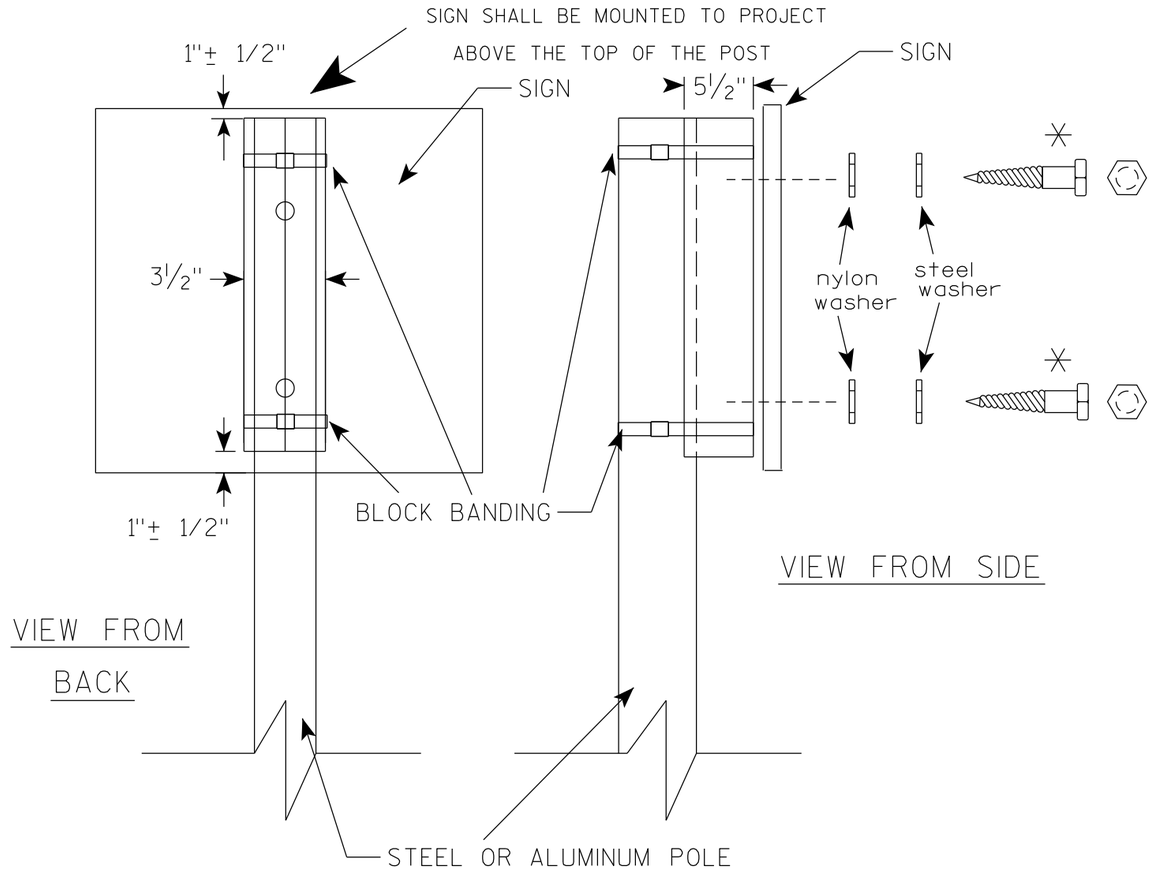
DATE 6/10/19 PLATE NO. A5-9.4

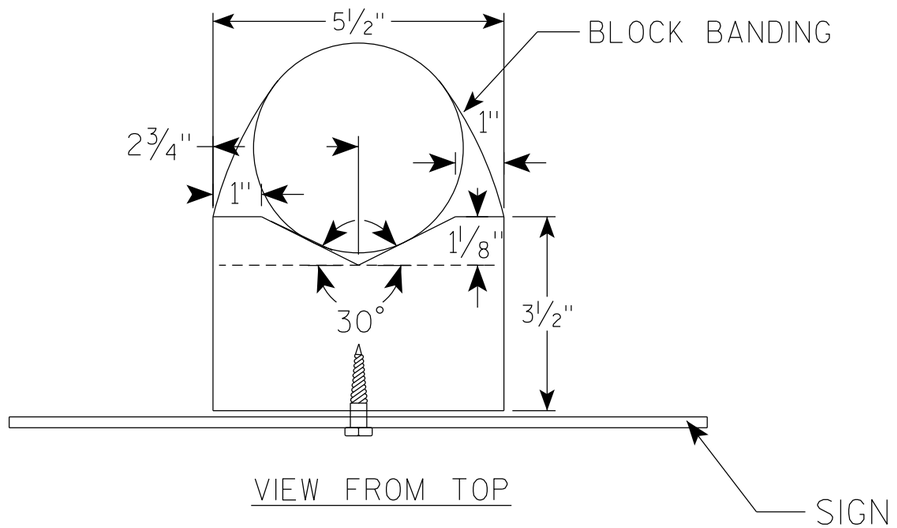
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 252	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

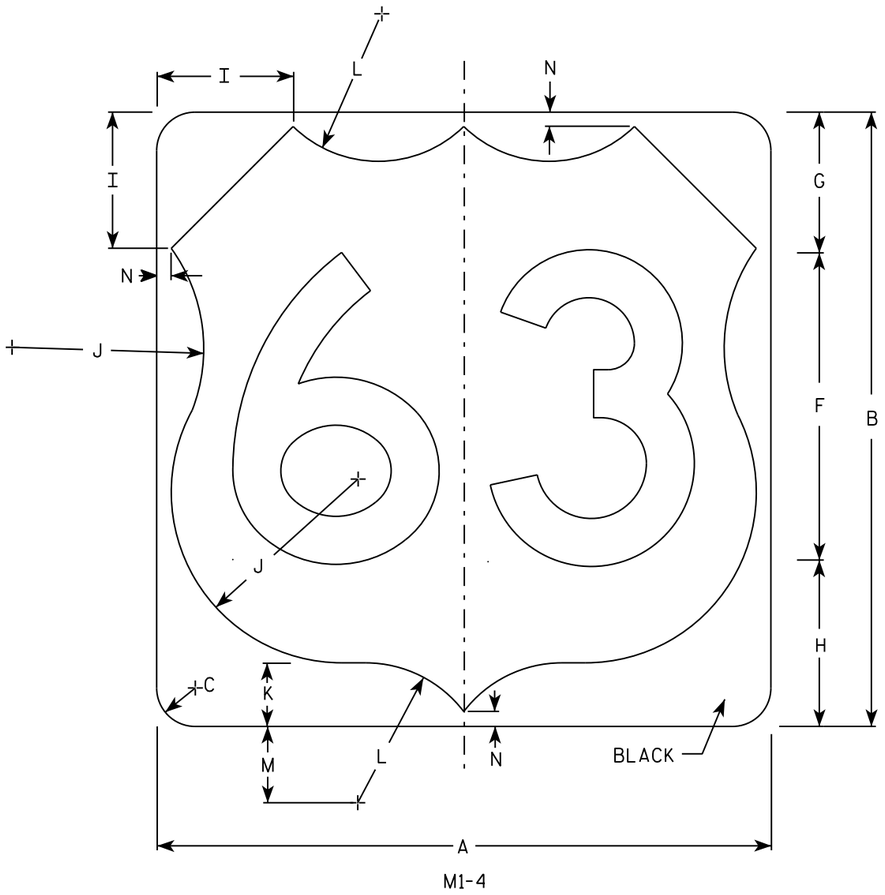
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

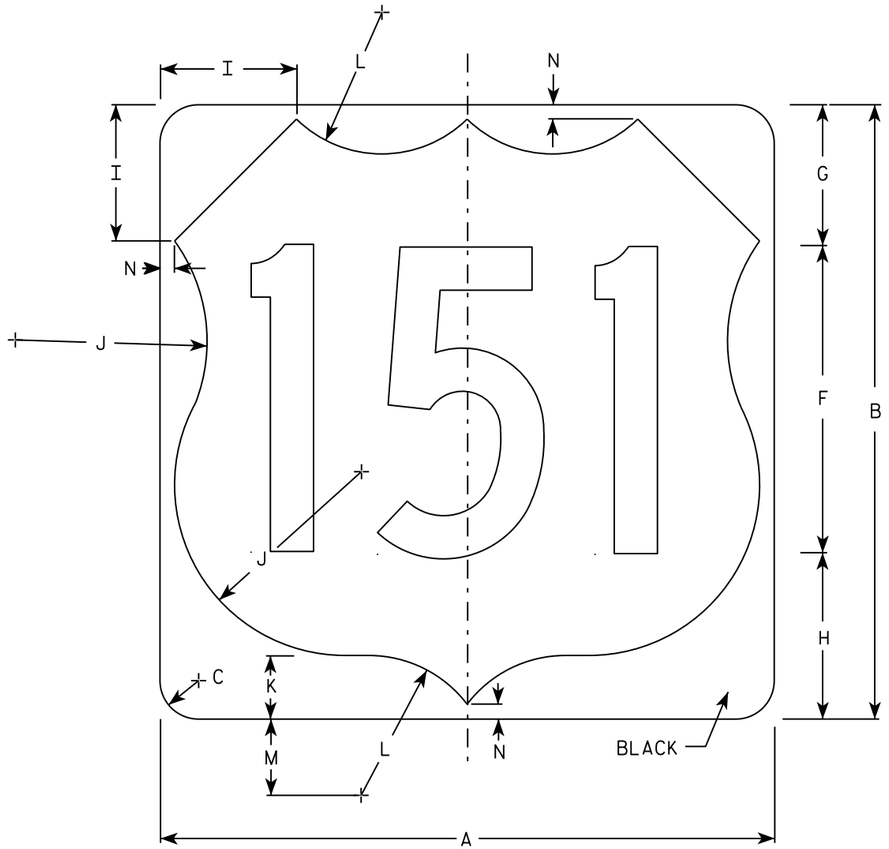
PROJECT NO:				SHEET NO: 253	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area Sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

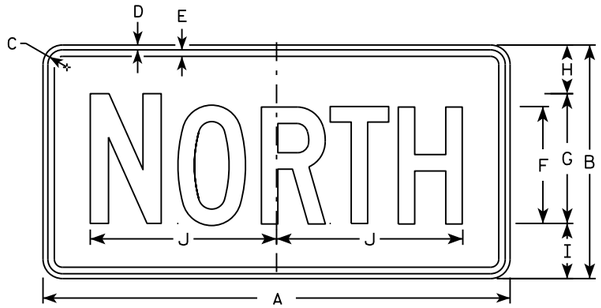
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

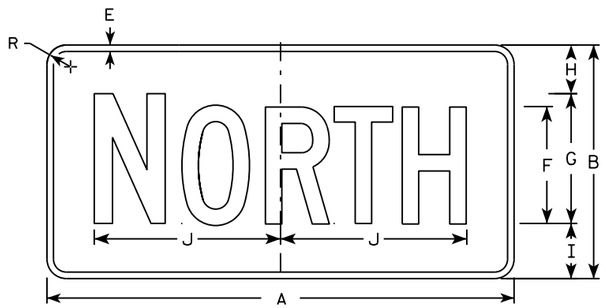
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 254	E



M3-1
MM3-1
MP3-1



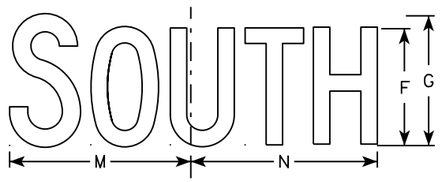
MB3-1
MK3-1
MN3-1



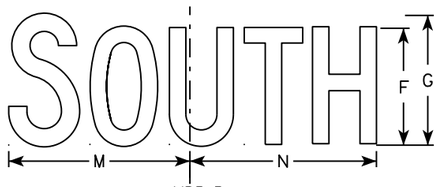
M3-2
MM3-2
MP3-2



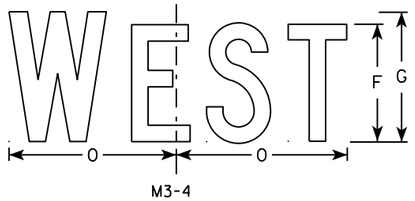
MB3-2
MK3-2
MN3-2



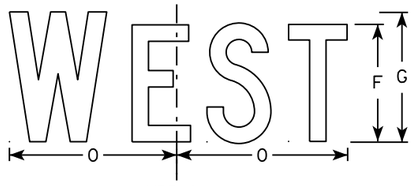
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

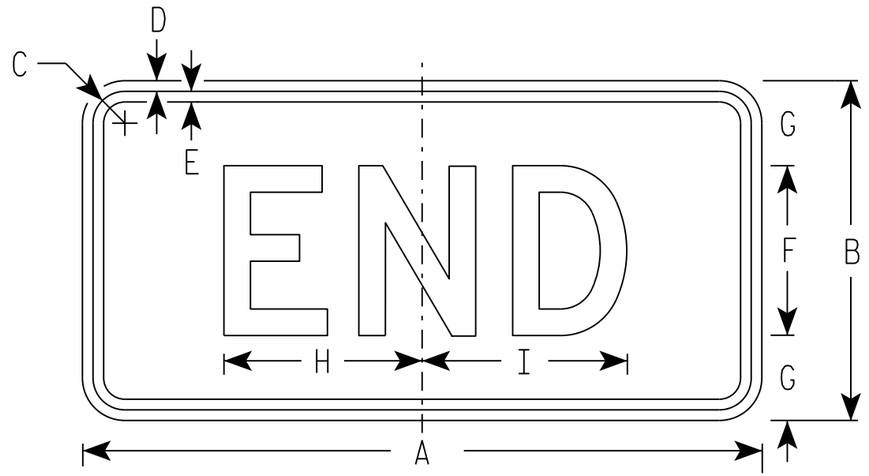
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

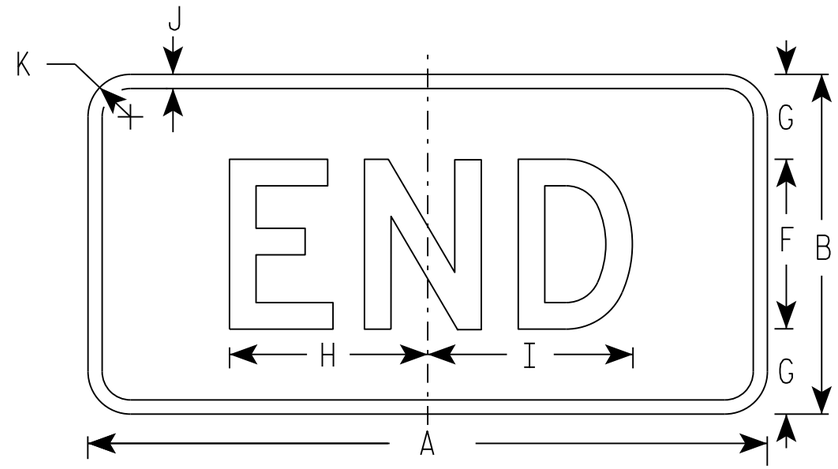
DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-6
MM4-6
MP4-6



MB4-6
MK4-6
MN4-6
MR4-6

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-6 Background - White
   Message - Black

   MB4-6 Background - Blue
   Message - White

   MK4-6 Background - Green
   Message - White

   MM4-6 Background - White
   Message - Green

   MN4-6 Background - Brown
   Message - White

   MP4-6 Background - White
   Message - Blue

   MR4-6 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-6

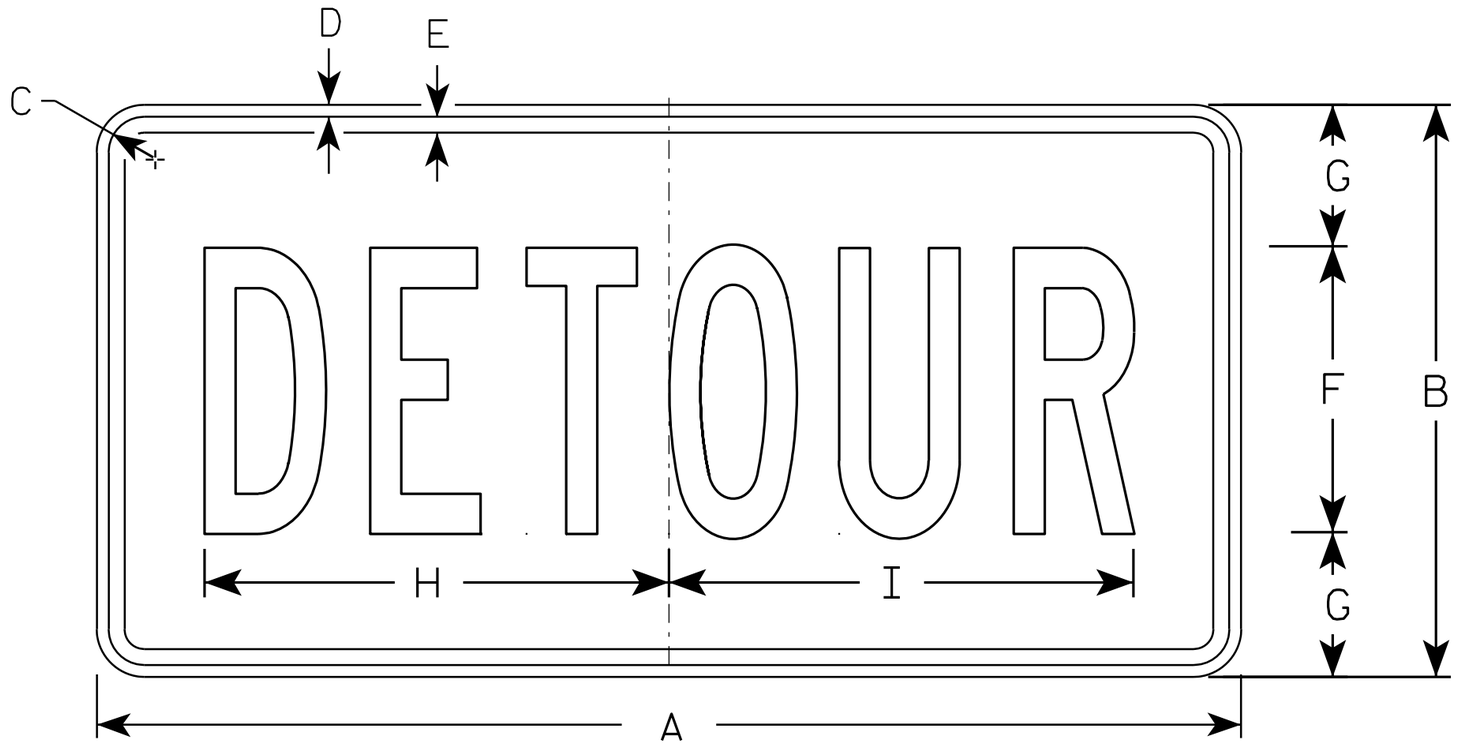
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 256 '14-7.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M46.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

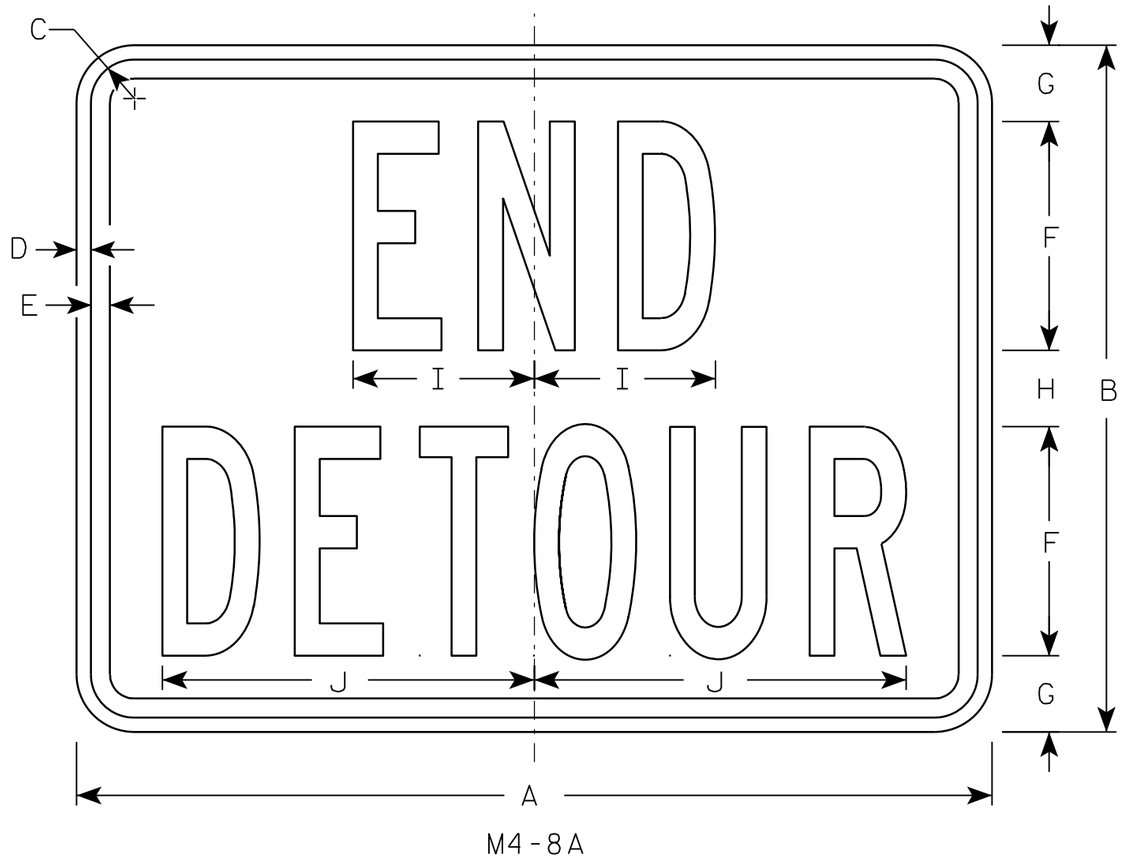
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 257	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

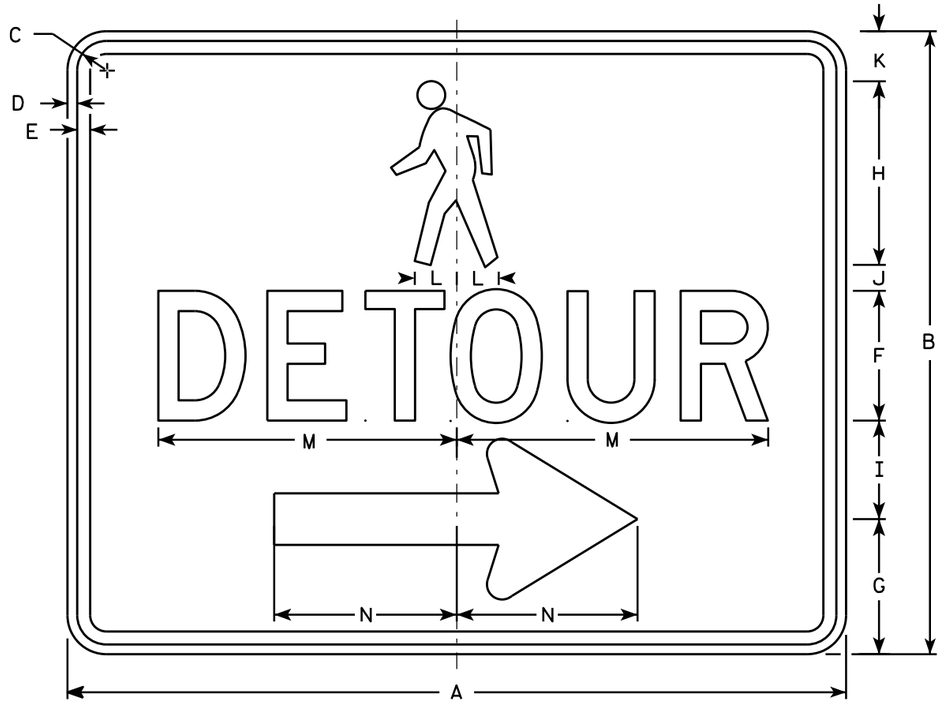
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

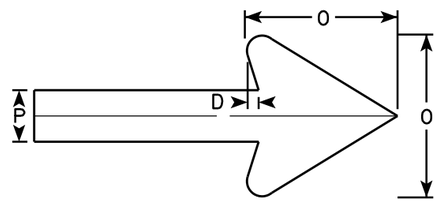
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 258	E



M4-9BR

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.00
3																											
4																											
5																											

STANDARD SIGN
M4-9B L&R

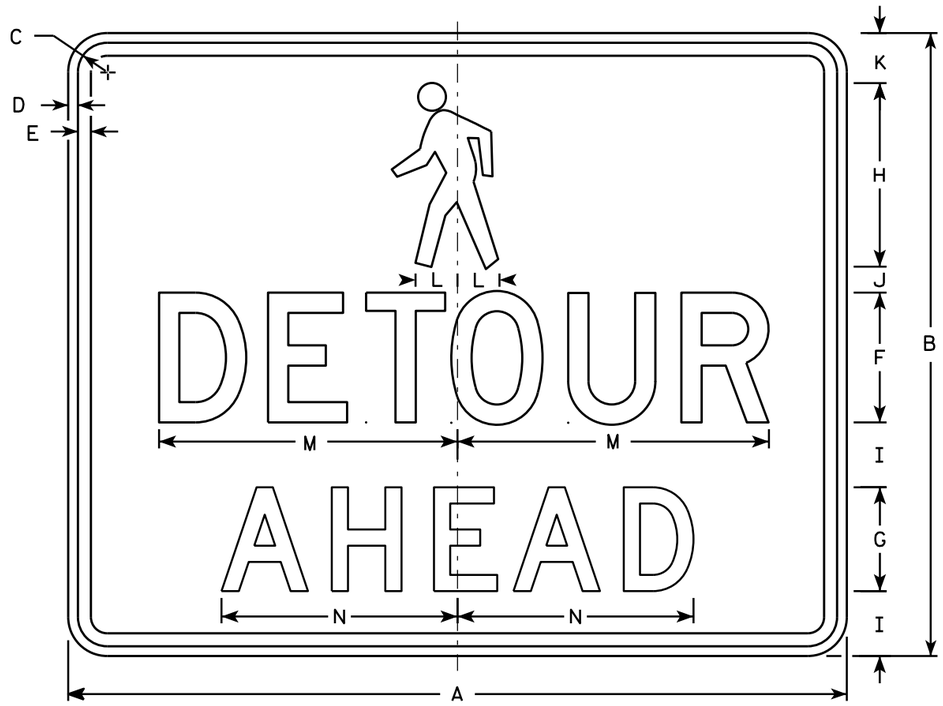
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/13 PLATE NO. M4-9B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49B.DGN PLOT DATE : 01-OCT-2013 13:44 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



M4-9BA

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7 1/8	2 1/2	1	1 7/8	1 5/8	11 3/4	9 1/8													5.0
3																											
4																											
5																											

STANDARD SIGN
M4-9BA

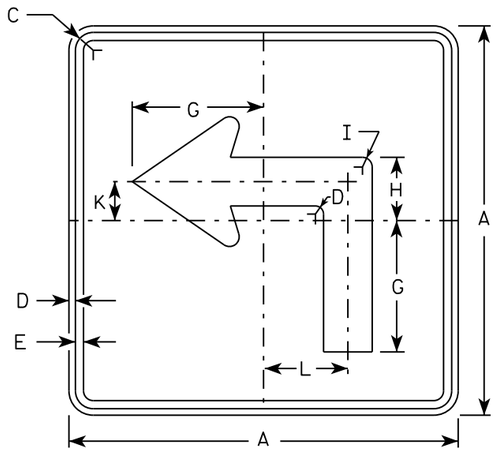
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

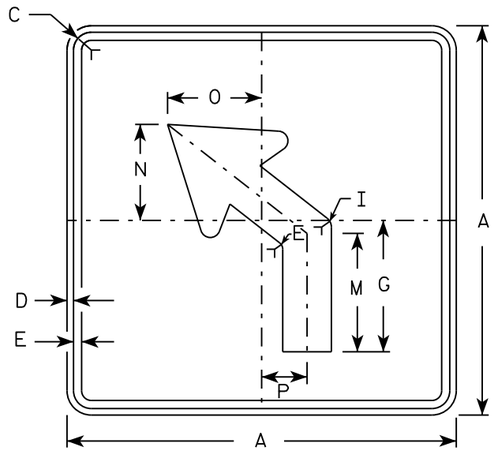
DATE 3/24/16 PLATE NO. M4-9BA.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

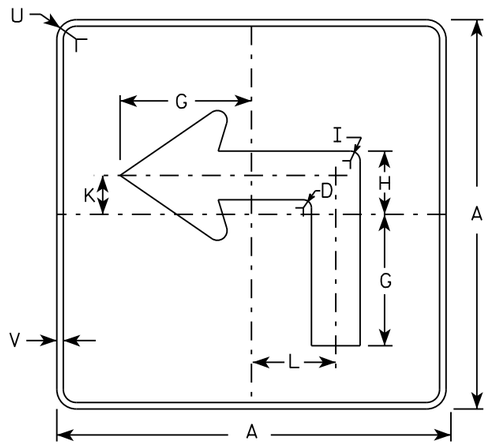
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\M49BA.dgn PLOT DATE : 24-MAR-2016 14:57 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



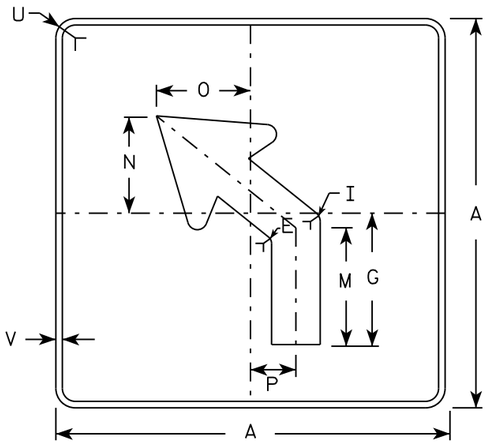
M5-1L
MM5-1L
MO5-1L
MP5-1L



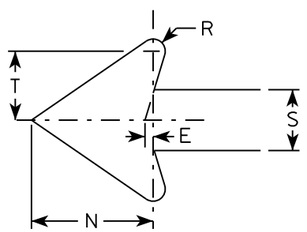
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

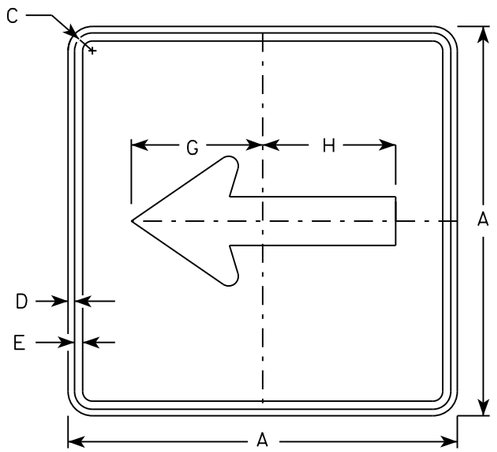
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

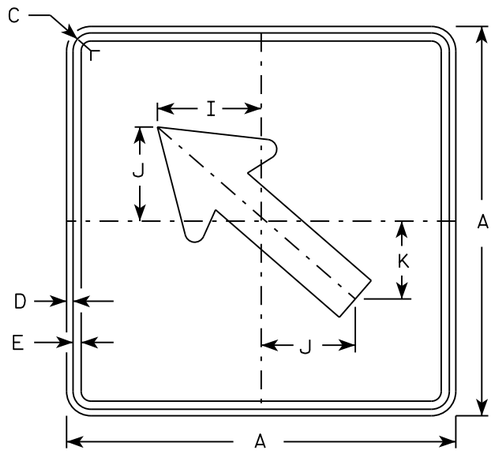
DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



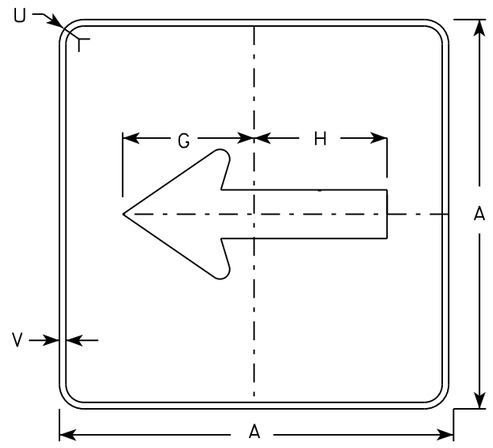
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2

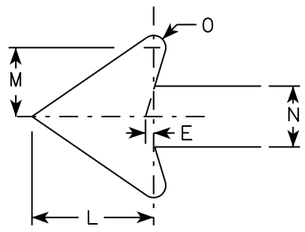
NOTES

1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1

MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN M6-1 & M6-2 SERIES

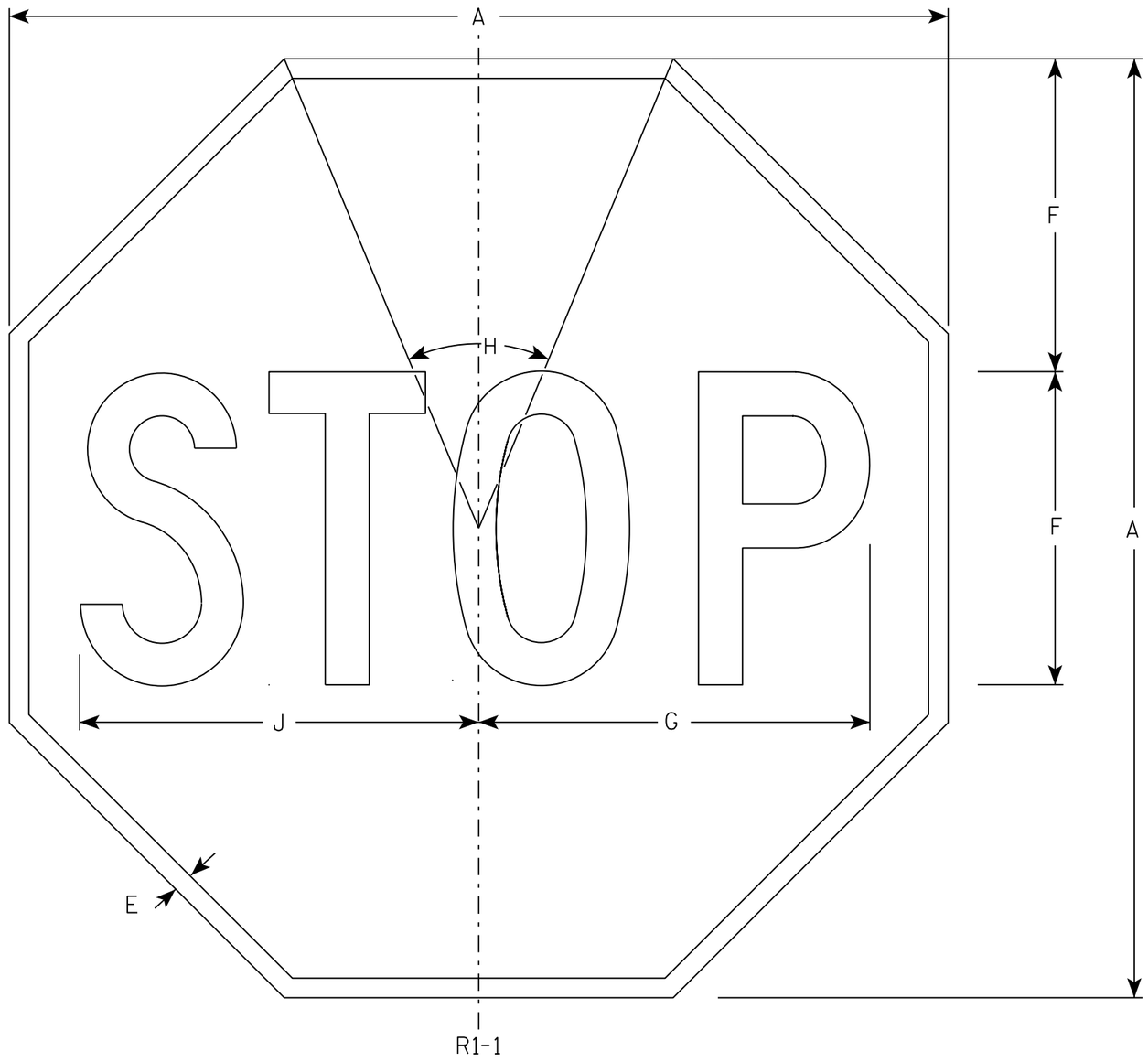
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 262 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

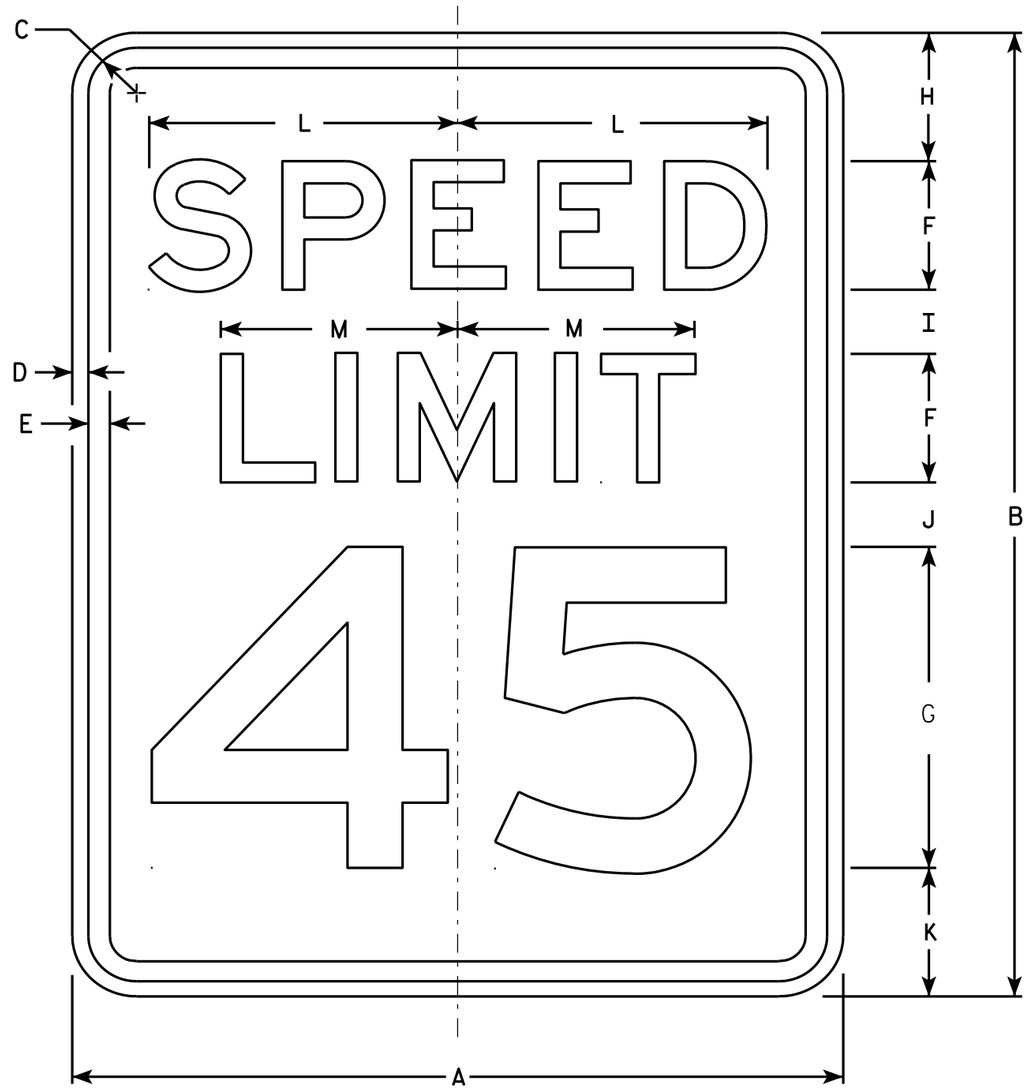
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 263	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

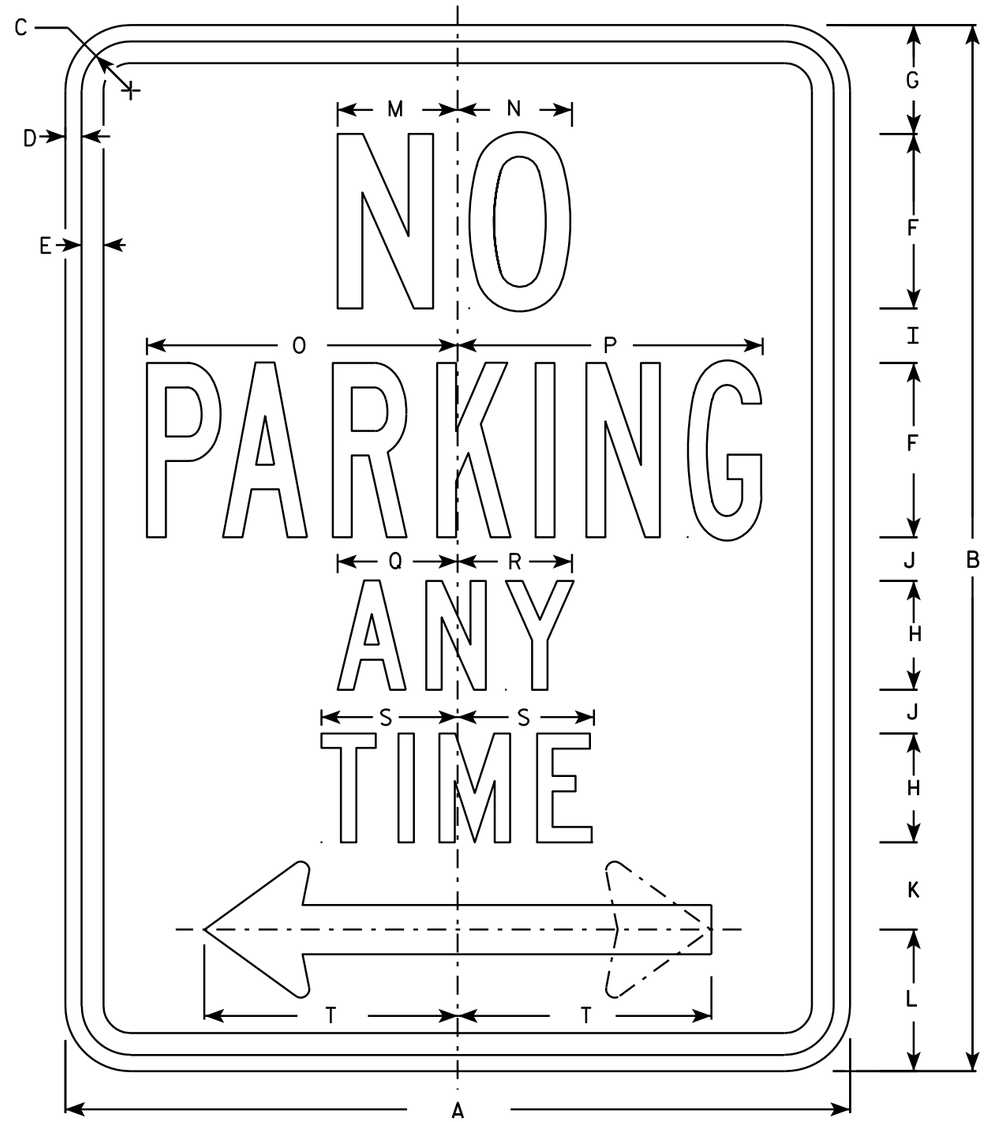
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

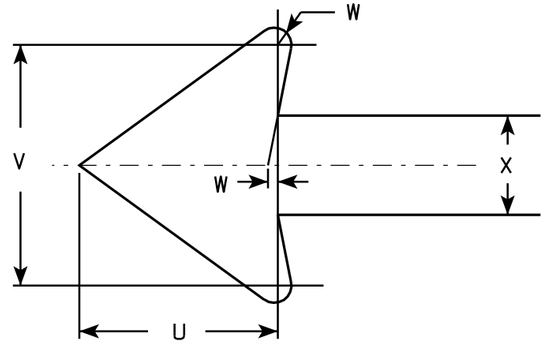
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 264	E



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 265 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.DGN PLOT DATE : 31-MAR-2011 09:20 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.476110:1.000000

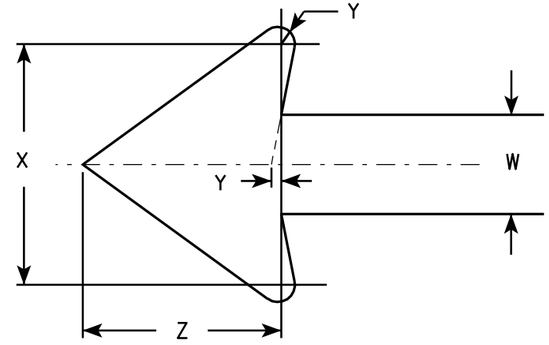
WISDOT/CADDS SHEET 42



R7-51

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 6
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

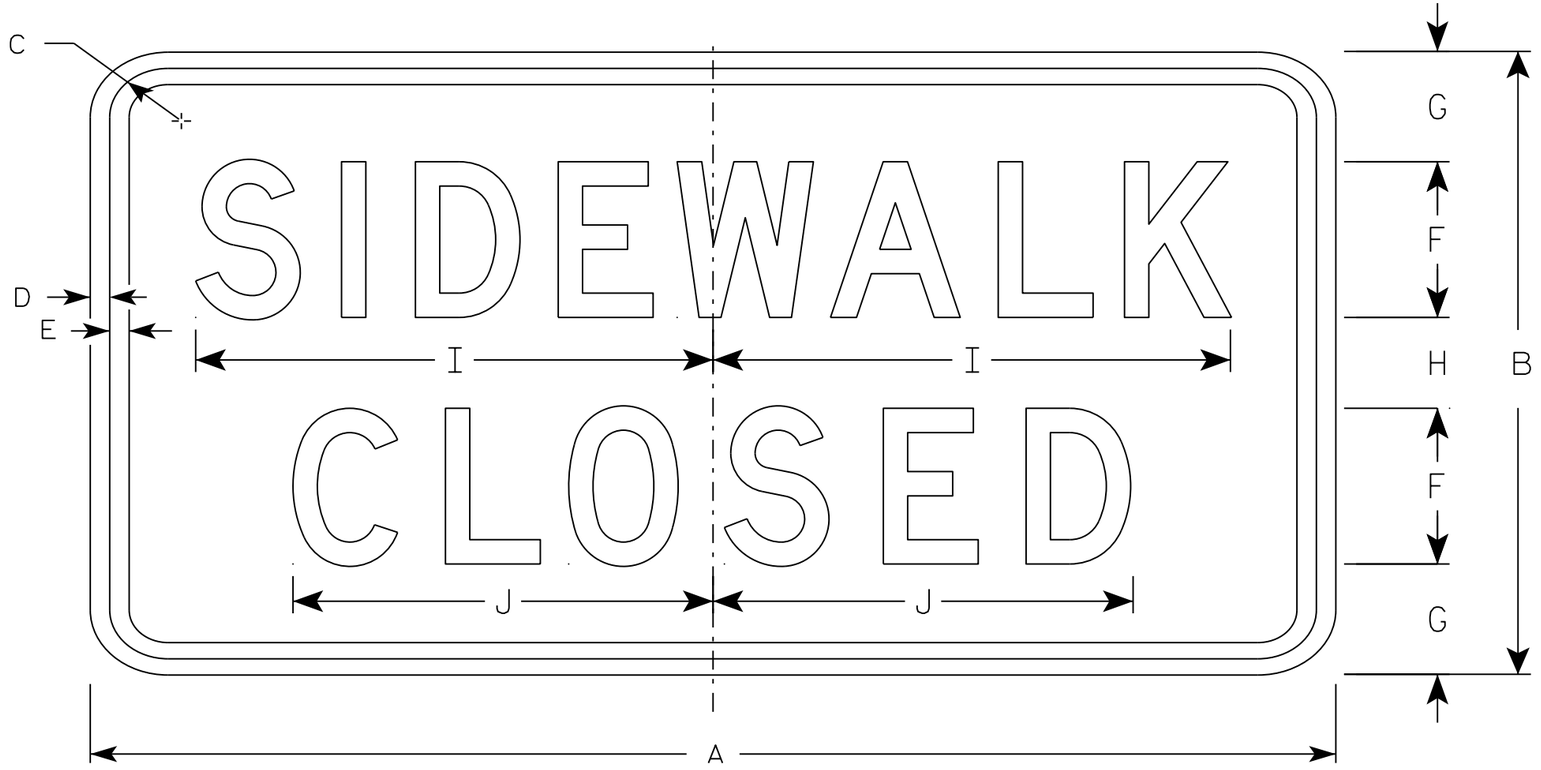
STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-51.6

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 266	E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

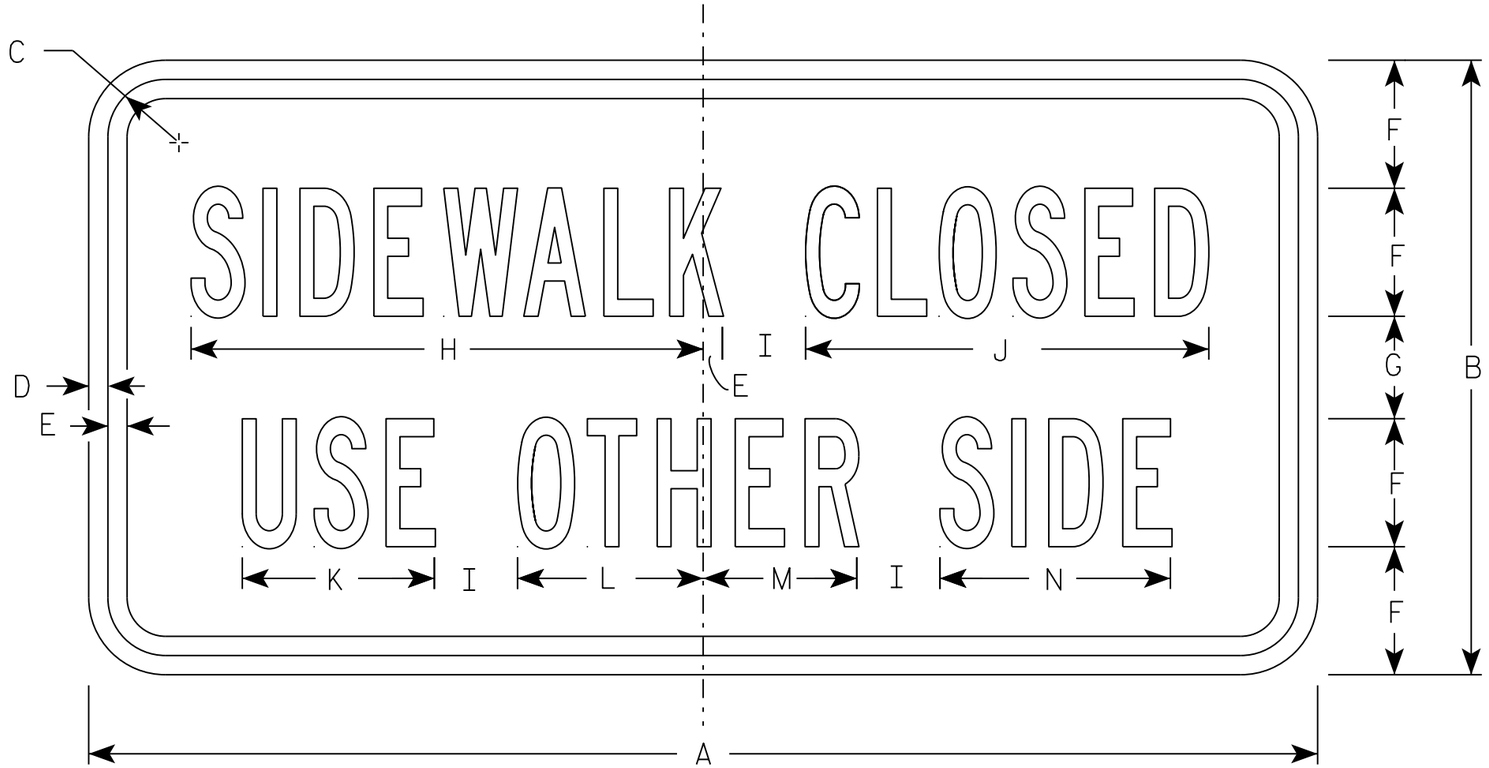
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 267 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-10

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for sidewalks. Use Size 3 for paths and trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2 1/2	2	10	1 5/8	7 7/8	3 3/4	3 5/8	3	4 1/2													2.0
2M	24	12	1 1/8	3/8	3/8	2 1/2	2	10	1 5/8	7 7/8	3 3/4	3 5/8	3	4 1/2													2.0
3	30	15	1 1/8	3/8	1/2	3	2 3/4	12	2	9 1/2	4 1/2	4 3/8	3 5/8	5 3/8													3.125
4																											
5																											

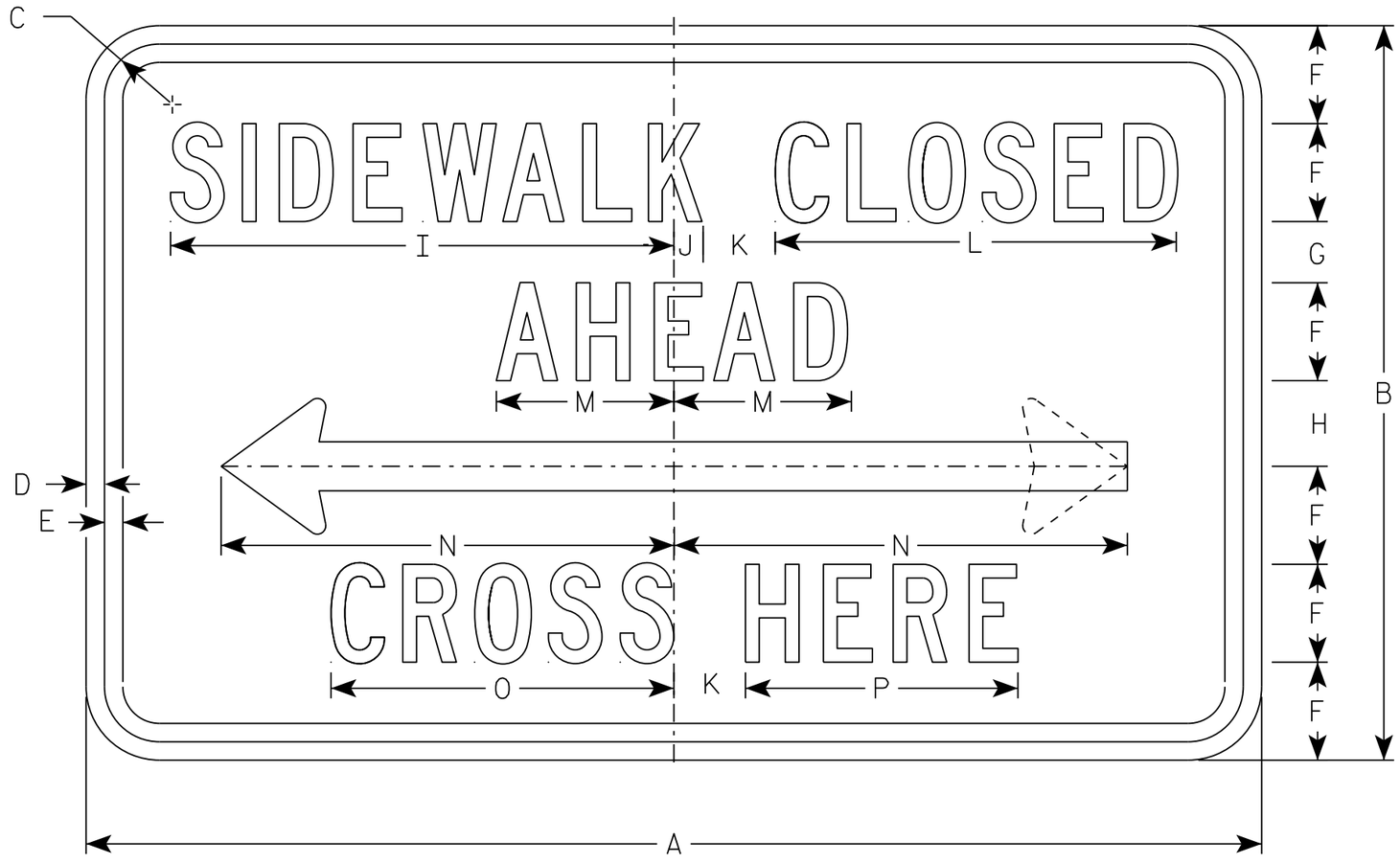
STANDARD SIGN
R9-10

WISCONSIN DEPT OF TRANSPORTATION

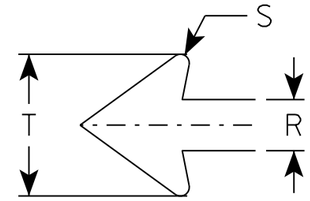
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-10.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 268 E



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

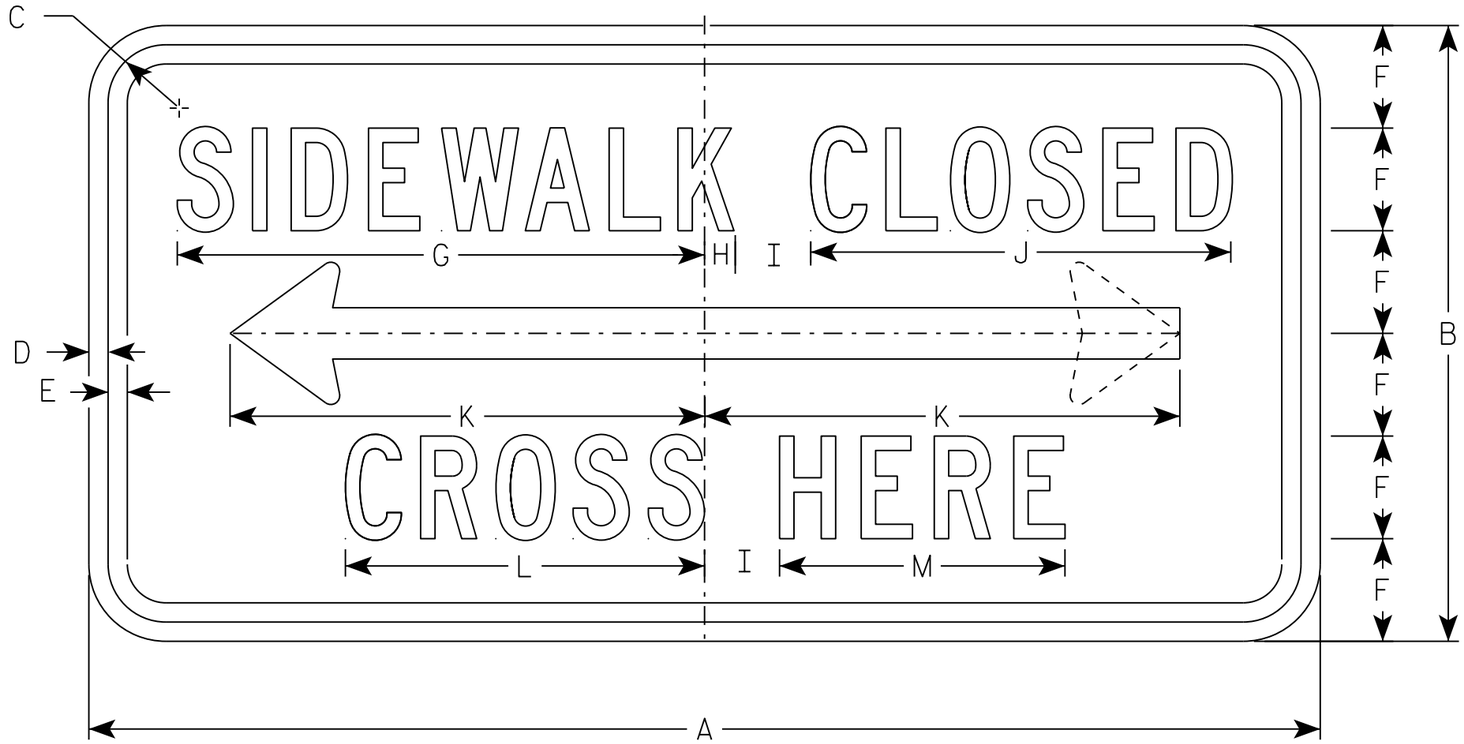
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

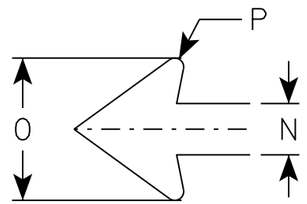
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 269	E



R9-11A



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2	13	3/4	2	10 1/4	12 3/8	8 7/8	6 7/8	1 1/4	3 5/8	1/4											3.125
4																											
5																											

STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

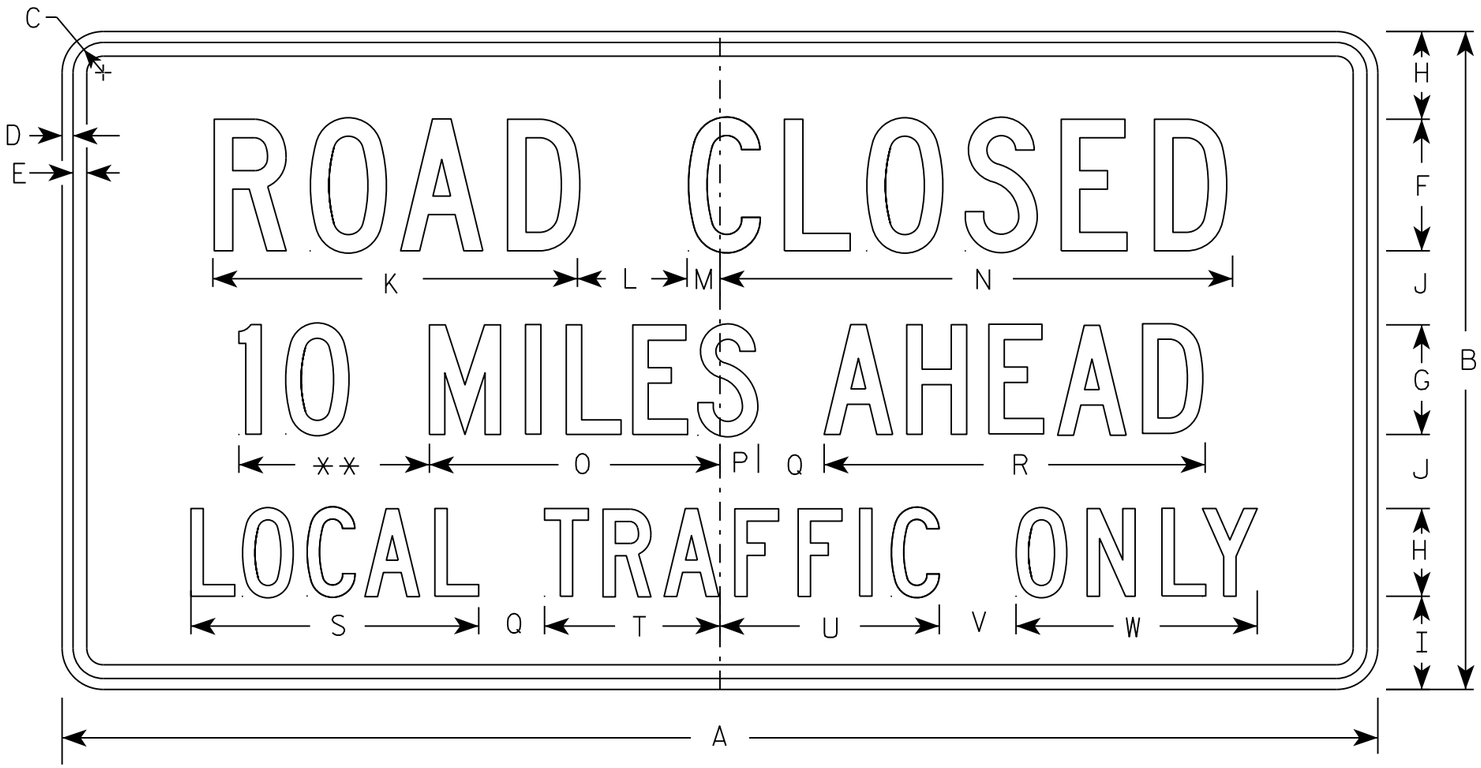
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R9-11A.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 270 E

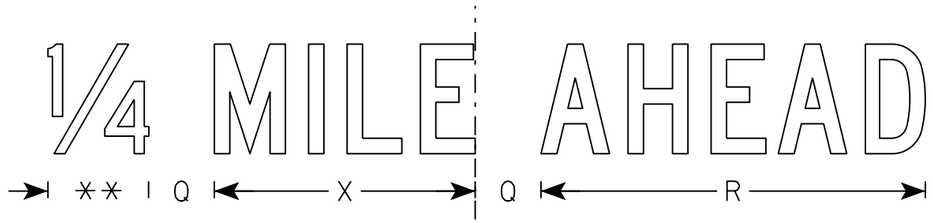
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

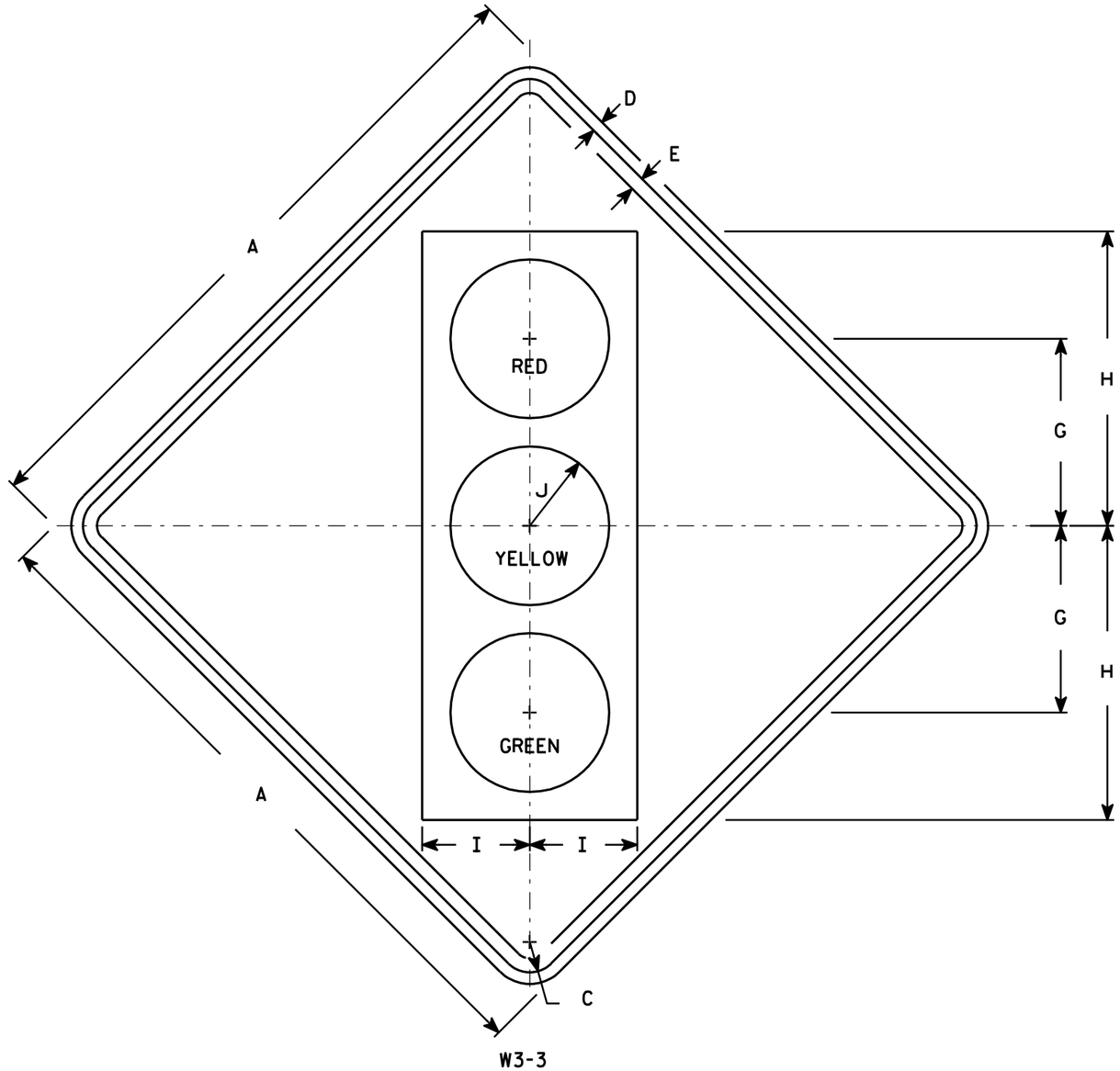
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 271	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

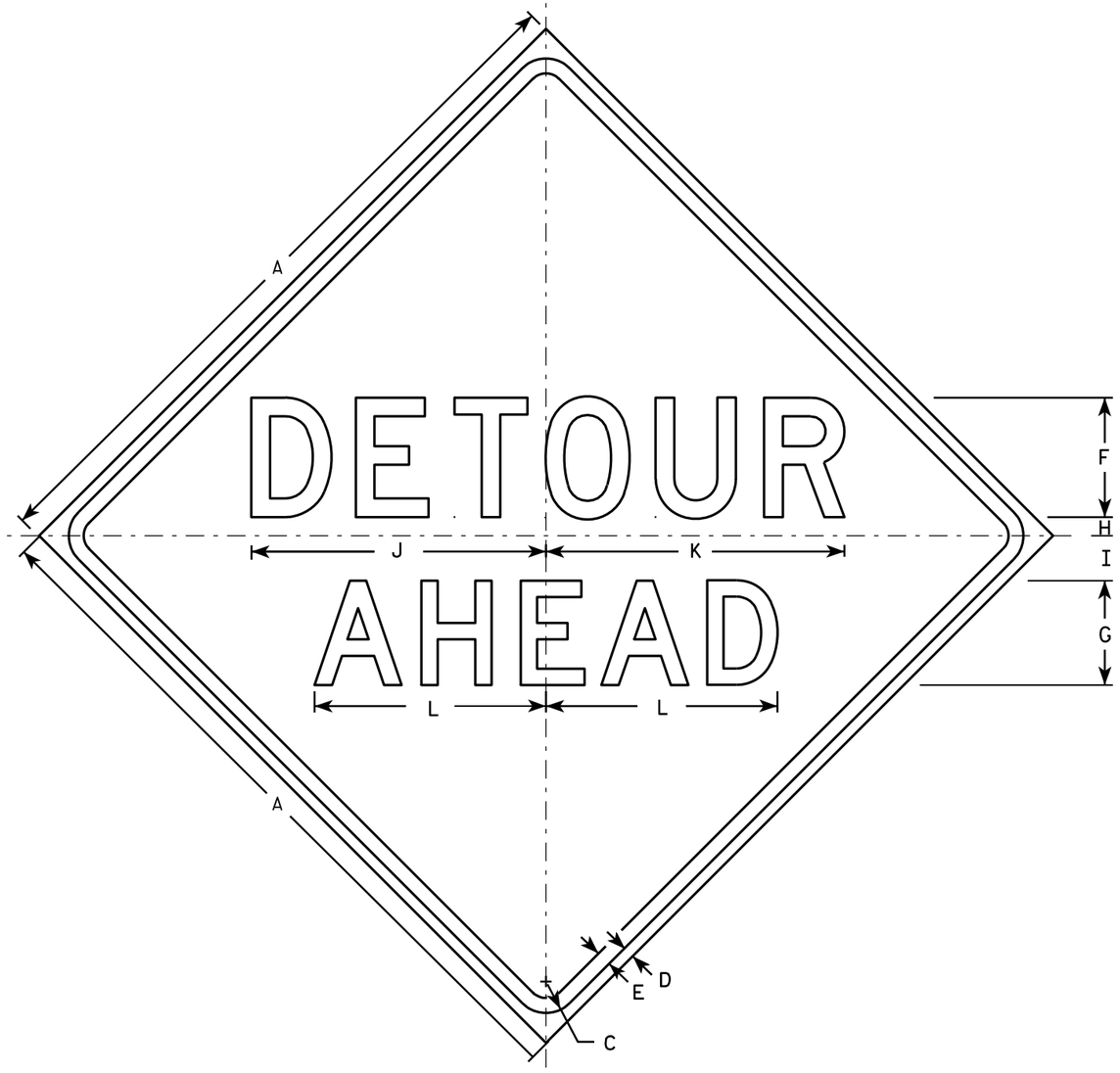
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

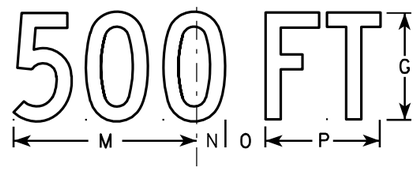
DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 272 | E

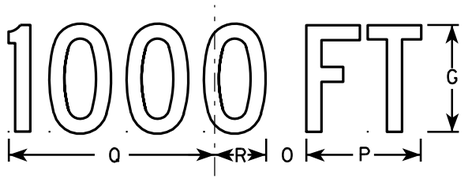
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000
WISDOT/CADDS SHEET 42



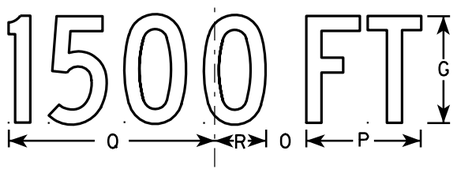
W20-2A



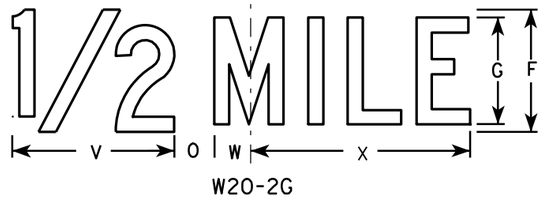
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 273	E

USH 141 - STAGE 1

STATION	CUT AREA (SQ. FT.)	CUT VOLUME (CU. YD.)	CUT REUSABLE VOLUME (CU. YD.)	FILL AREA (SQ. FT.)	FILL VOLUME (CU. YD.)	CUMULATIVE CUT (CU. YD.)	CUMULATIVE REUSABLE CUT (CU. YD.)	CUMULATIVE FILL (CU. YD.)	NET VOLUME (CU. YD.)
193+50.00	83.66			0.00					
194+00.00	79.00	150.61	150.61	0.00	0.00	150.61	150.61	0.00	150.61
194+24.16	87.48	74.48	74.48	0.00	0.00	225.10	225.10	0.00	225.10
194+50.00	93.12	86.42	86.42	0.00	0.00	311.52	311.52	0.00	311.52
195+00.00	106.34	184.69	184.69	0.15	0.14	496.20	496.20	0.14	496.06
195+50.00	88.19	180.12	180.12	0.01	0.15	676.32	676.32	0.29	676.03
196+00.00	92.91	167.69	167.69	0.12	0.12	844.01	844.01	0.41	843.60
196+50.00	81.62	161.60	161.60	0.20	0.30	1005.61	1005.61	0.70	1004.90
197+00.00	82.06	151.56	151.56	0.66	0.80	1157.16	1157.16	1.50	1155.66
197+50.00	92.47	161.60	161.60	0.61	1.18	1318.77	1318.77	2.68	1316.09
198+00.00	65.75	146.50	146.50	1.93	2.35	1465.27	1465.27	5.03	1460.24
198+50.00	71.40	126.99	126.99	1.99	3.63	1592.26	1592.26	8.66	1583.60
199+00.00	85.57	145.34	145.34	0.00	1.84	1737.60	1737.60	10.50	1727.10
199+50.00	77.48	150.97	150.97	0.46	0.43	1888.57	1888.57	10.93	1877.65
200+00.00	91.41	156.38	156.38	0.00	0.43	2044.95	2044.95	11.35	2033.60
200+50.00	87.41	165.57	165.57	0.14	0.13	2210.53	2210.53	11.48	2199.04
201+00.00	85.18	159.81	159.81	0.10	0.22	2370.33	2370.33	11.70	2358.63
201+50.00	75.68	148.94	148.94	0.99	1.01	2519.28	2519.28	12.71	2506.56
202+00.00	76.98	141.35	141.35	0.24	1.14	2660.63	2660.63	13.85	2646.78
202+23.14	99.69	75.71	75.71	0.20	0.19	2736.33	2736.33	14.04	2722.29
202+50.00	80.73	89.74	89.74	1.45	0.82	2826.08	2826.08	14.86	2811.21
203+00.00	108.51	175.22	175.22	0.00	1.34	3001.30	3001.30	16.20	2985.09
203+50.00	138.13	228.37	228.37	0.00	0.00	3229.67	3229.67	16.20	3213.46
204+00.00	100.96	221.38	221.38	11.86	10.98	3451.05	3451.05	27.19	3423.86
204+50.00	102.79	188.66	188.66	7.60	18.02	3639.71	3639.71	45.20	3594.50
204+61.39	96.98	42.14	42.14	7.92	3.27	3681.84	3681.84	48.48	3633.36
205+00.00	75.62	123.41	123.41	8.47	11.72	3805.25	3805.25	60.20	3745.05
205+50.00	73.19	137.79	137.79	5.19	12.65	3943.04	3943.04	72.84	3870.19
206+00.00	68.52	131.21	131.21	0.52	5.29	4074.25	4074.25	78.13	3996.12
206+50.00	70.97	129.16	129.16	0.00	0.48	4203.41	4203.41	78.61	4124.80
207+00.00	75.07	135.22	135.22	0.00	0.00	4338.63	4338.63	78.61	4260.02
207+50.00	73.10	137.19	137.19	0.00	0.00	4475.83	4475.83	78.61	4397.21
208+00.00	61.95	125.05	125.05	0.00	0.00	4600.87	4600.87	78.61	4522.26
208+50.00	60.32	113.21	113.21	0.00	0.00	4714.08	4714.08	78.61	4635.47
209+00.00	55.74	107.46	107.46	0.00	0.00	4821.55	4821.55	78.61	4742.93
209+50.00	65.32	112.09	112.09	0.00	0.00	4933.64	4933.64	78.61	4855.03
209+79.35	62.43	69.43	69.43	0.00	0.00	5003.07	5003.07	78.61	4924.46

HILL STREET - STAGE 1

STATION	CUT AREA (SQ. FT.)	CUT VOLUME (CU. YD.)	CUT REUSABLE VOLUME (CU. YD.)	FILL AREA (SQ. FT.)	FILL VOLUME (CU. YD.)	CUMULATIVE CUT (CU. YD.)	CUMULATIVE REUSABLE CUT (CU. YD.)	CUMULATIVE FILL (CU. YD.)	NET VOLUME (CU. YD.)
9+50.00 H	53.36			0.08					
9+69.42 H	40.04	33.59	33.59	0.00	0.03	33.59	33.59	0.03	33.56

TYLER ROAD - STAGE 1

STATION	CUT AREA (SQ. FT.)	CUT VOLUME (CU. YD.)	CUT REUSABLE VOLUME (CU. YD.)	FILL AREA (SQ. FT.)	FILL VOLUME (CU. YD.)	CUMULATIVE CUT (CU. YD.)	CUMULATIVE REUSABLE CUT (CU. YD.)	CUMULATIVE FILL (CU. YD.)	NET VOLUME (CU. YD.)
10+33.86 TY	60.80			0.00					
10+50.00 TY	49.04	32.83	32.83	0.20	0.06	32.83	32.83	0.06	32.77
10+75.00 TY	42.70	42.47	42.47	0.08	0.13	75.30	75.30	0.19	75.11
11+00.00 TY	22.54	30.20	30.20	0.00	0.04	105.51	105.51	0.23	105.28
11+25.00 TY	24.16	21.62	21.62	0.00	0.00	127.13	127.13	0.23	126.90
11+50.00 TY	23.86	22.23	22.23	0.00	0.00	149.36	149.36	0.23	149.13
11+75.00 TY	0.00	11.05	11.05	0.00	0.00	160.40	160.40	0.23	160.18

VINE STREET - STAGE 1

STATION	CUT AREA (SQ. FT.)	CUT VOLUME (CU. YD.)	CUT REUSABLE VOLUME (CU. YD.)	FILL AREA (SQ. FT.)	FILL VOLUME (CU. YD.)	CUMULATIVE CUT (CU. YD.)	CUMULATIVE REUSABLE CUT (CU. YD.)	CUMULATIVE FILL (CU. YD.)	NET VOLUME (CU. YD.)
8+50.00 V	46.88			0.15					
8+75.00 V	57.42	48.29	48.29	0.00	0.07	48.29	48.29	0.07	48.22
9+00.00 V	46.50	48.11	48.11	0.00	0.00	96.40	96.40	0.07	96.33
9+25.00 V	39.86	39.98	39.98	0.33	0.15	136.38	136.38	0.22	136.16
9+50.00 V	56.35	44.54	44.54	20.71	9.74	180.92	180.92	9.96	170.96
9+69.00 V	80.38	48.11	48.11	18.42	13.77	229.03	229.03	23.73	205.30

USH 141 - STAGE 2

STATION	CUT AREA (SQ. FT.)	CUT VOLUME (CU. YD.)	CUT REUSABLE VOLUME (CU. YD.)	FILL AREA (SQ. FT.)	FILL VOLUME (CU. YD.)	CUMULATIVE CUT (CU. YD.)	CUMULATIVE REUSABLE CUT (CU. YD.)	CUMULATIVE FILL (CU. YD.)	NET VOLUME (CU. YD.)
164+00.00	59.20			0.33					
164+38.98	90.77	108.26	108.26	0.00	0.24	108.26	108.26	0.24	108.02
164+50.00	85.35	35.94	35.94	0.00	0.00	144.20	144.20	0.24	143.96
165+00.00	79.83	152.94	152.94	0.83	0.77	297.14	297.14	1.01	296.14
165+50.00	85.84	153.40	153.40	1.66	2.31	450.54	450.54	3.31	447.23
166+00.00	83.42	156.72	156.72	0.00	1.54	607.26	607.26	4.85	602.41
166+50.00	105.58	175.00	175.00	0.00	0.00	782.26	782.26	4.85	777.41
167+00.00	79.07	170.97	170.97	1.18	1.09	953.23	953.23	5.94	947.29
167+50.00	70.81	138.78	138.78	1.81	2.77	1092.01	1092.01	8.71	1083.30
168+00.00	69.19	129.63	129.63	2.70	4.18	1221.64	1221.64	12.89	1208.76
168+50.00	64.05	123.37	123.37	3.02	5.30	1345.01	1345.01	18.18	1326.83
169+00.00	58.33	113.31	113.31	6.38	8.70	1458.33	1458.33	26.89	1431.44
169+50.00	73.13	121.72	121.72	0.43	6.31	1580.05	1580.05	33.19	1546.86
169+73.03	80.24	65.41	65.41	0.55	0.42	1645.46	1645.46	33.61	1611.85
170+00.00	69.99	75.03	75.03	1.02	0.78	1720.49	1720.49	34.39	1686.10
170+50.00	86.41	144.81	144.81	0.24	1.17	1865.31	1865.31	35.56	1829.74
171+00.00	69.94	144.77	144.77	1.97	2.05	2010.07	2010.07	37.61	1972.47
171+50.00	72.52	131.91	131.91	1.52	3.23	2141.98	2141.98	40.84	2101.14
172+00.00	75.87	137.40	137.40	0.64	2.00	2279.38	2279.38	42.84	2236.54
172+50.00	78.14	142.60	142.60	1.39	1.88	2421.98	2421.98	44.72	2377.26
173+00.00	81.85	148.14	148.14	1.14	2.34	2570.12	2570.12	47.06	2523.06
173+50.00	88.64	157.86	157.86	0.38	1.41	2727.98	2727.98	48.47	2679.51
174+00.00	78.80	155.04	155.04	4.00	4.06	2883.02	2883.02	52.52	2830.49
174+50.00	96.02	161.87	161.87	0.00	3.70	3044.89	3044.89	56.23	2988.66
175+00.00	74.86	158.22	158.22	3.05	2.82	3203.11	3203.11	59.05	3144.06
175+50.00	52.32	117.76	117.76	11.91	13.85	3320.87	3320.87	72.90	3247.97
176+00.00	48.26	93.13	93.13	14.95	24.87	3414.00	3414.00	97.77	3316.23
176+50.00	87.01	125.25	125.25	2.10	15.79	3539.25	3539.25	113.56	3425.69
176+55.87	88.58	19.09	19.09	2.13	0.46	3558.34	3558.34	114.02	3444.32
177+00.00	84.35	141.32	141.32	0.10	1.82	3699.66	3699.66	115.84	3583.82
177+50.00	79.45	151.67	151.67	0.97	0.99	3851.33	3851.33	116.83	3734.49
178+00.00	88.31	155.33	155.33	1.03	1.85	4006.66	4006.66	118.69	3887.97
178+50.00	85.78	161.19	161.19	0.34	1.27	4167.85	4167.85	119.95	4047.90
179+00.00	76.90	150.63	150.63	1.42	1.63	4318.48	4318.48	121.58	4196.90
179+50.00	73.99	139.71	139.71	3.80	4.83	4458.20	4458.20	126.42	4331.78
180+00.00	72.49	135.63	135.63	1.34	4.76	4593.83	4593.83	131.18	4462.65
180+50.00	62.52	125.01	125.01	6.06	6.85	4718.84	4718.84	138.03	4580.81
181+00.00	68.90	121.69	121.69	4.66	9.93	4840.52	4840.52	147.95	4692.57
181+50.00	87.92	145.20	145.20	0.04	4.35	4985.72	4985.72	152.31	4833.42
182+00.00	68.39	144.73	144.73	6.86	6.39	5130.46	5130.46	158.69	4971.76
182+50.00	66.58	124.97	124.97	6.13	12.03	5255.43	5255.43	170.72	5084.71
183+00.00	82.07	137.64	137.64	5.01	10.31	5393.07	5393.07	181.04	5212.03
183+50.00	138.35	204.09	204.09	1.82	6.32	5597.16	5597.16	187.36	5409.80
183+70.25	139.99	104.38	104.38	0.00	0.68	5701.54	5701.54	188.04	5513.49
184+00.00	123.87	145.37	145.37	4.84	2.67	5846.90	5846.90	190.71	5656.19
184+50.00	72.35	181.69	181.69	2.25	6.56	6028.59	6028.59	197.28	5831.31
185+00.00	96.90	156.71	156.71	0.00	2.08	6185.30	6185.30	199.36	5985.94
185+50.00	73.45	157.73	157.73	2.49	2.31	6343.03	6343.03	201.66	6141.37
186+00.00	90.09	151.43	151.43	0.00	2.31	6494.46	6494.46	203.97	6290.49
186+07.01	89.52	23.32	23.32	0.00	0.00	6517.78	6517.78	203.97	6313.81
186+50.00	82.50	136.95	136.95	4.35	3.46	6654.72	6654.72	207.43	6447.29
187+00.00	71.23	142.34	142.34	4.75	8.43	6797.07	6797.07	215.86	6581.21

USH 141 - STAGE 2 (CONTINUED)

STATION	CUT AREA (SQ. FT.)	CUT VOLUME (CU. YD.)	CUT REUSABLE VOLUME (CU. YD.)	FILL AREA (SQ. FT.)	FILL VOLUME (CU. YD.)	CUMULATIVE CUT (CU. YD.)	CUMULATIVE REUSABLE CUT (CU. YD.)	CUMULATIVE FILL (CU. YD.)	NET VOLUME (CU. YD.)
187+50.00	76.51	136.80	136.80	0.01	4.41	6933.86	6933.86	220.27	6713.60
188+00.00	105.64	168.66	168.66	0.00	0.01	7102.52	7102.52	220.28	6882.24
188+50.00	76.81	168.94	168.94	2.42	2.24	7271.45	7271.45	222.52	7048.94
189+00.00	90.61	155.02	155.02	1.54	3.67	7426.47	7426.47	226.18	7200.29
189+50.00	95.34	172.18	172.18	1.35	2.68	7598.65	7598.65	228.86	7369.79
190+00.00	94.39	175.68	175.68	2.51	3.57	7774.32	7774.32	232.43	7541.89
190+50.00	83.42	164.64	164.64	2.00	4.18	7938.96	7938.96	236.61	7702.35
191+00.00	96.85	166.92	166.92	2.18	3.87	8105.88	8105.88	240.48	7865.40
191+50.00	115.67	196.78	196.78	0.00	2.02	8302.66	8302.66	242.50	8060.16
192+00.00	106.39	205.61	205.61	0.02	0.02	8508.27	8508.27	242.52	8265.75
192+50.00	89.61	181.48	181.48	1.30	1.22	8689.75	8689.75	243.74	8446.01
193+00.00	86.35	162.93	162.93	2.90	3.89	8852.68	8852.68	247.63	8605.05
193+50.00	83.66	157.42	157.42	0.00	2.69	9010.09	9010.09	250.31	8759.78

PINE STREET - STAGE 2

STATION	CUT AREA (SQ. FT.)	CUT VOLUME (CU. YD.)	CUT REUSABLE VOLUME (CU. YD.)	FILL AREA (SQ. FT.)	FILL VOLUME (CU. YD.)	CUMULATIVE CUT (CU. YD.)	CUMULATIVE REUSABLE CUT (CU. YD.)	CUMULATIVE FILL (CU. YD.)	NET VOLUME (CU. YD.)
9+50.00 P	47.42			0.16					
9+67.59 P	40.95	28.79	28.79	1.02	0.38	28.79	28.79	0.38	28.40
USH 141 - INTERSECTION (SEE USH 141 EARTHWORK)									
10+33.61 P	47.24			0.67					
10+50.00 P	48.04	28.92	28.92	0.23	0.27	57.70	57.70	0.66	57.05
10+60.00 P	47.43	17.68	17.68	1.14	0.25	75.38	75.38	0.91	74.47

BROOK STREET - STAGE 2

STATION	CUT AREA (SQ. FT.)	CUT VOLUME (CU. YD.)	CUT REUSABLE VOLUME (CU. YD.)	FILL AREA (SQ. FT.)	FILL VOLUME (CU. YD.)	CUMULATIVE CUT (CU. YD.)	CUMULATIVE REUSABLE CUT (CU. YD.)	CUMULATIVE FILL (CU. YD.)	NET VOLUME (CU. YD.)
9+63.00 BR	49.05			0.03					
9+66.81 BR	49.66	6.96	6.96	0.00	0.00	6.96	6.96	0.00	6.96

CLARK STREET - STAGE 2

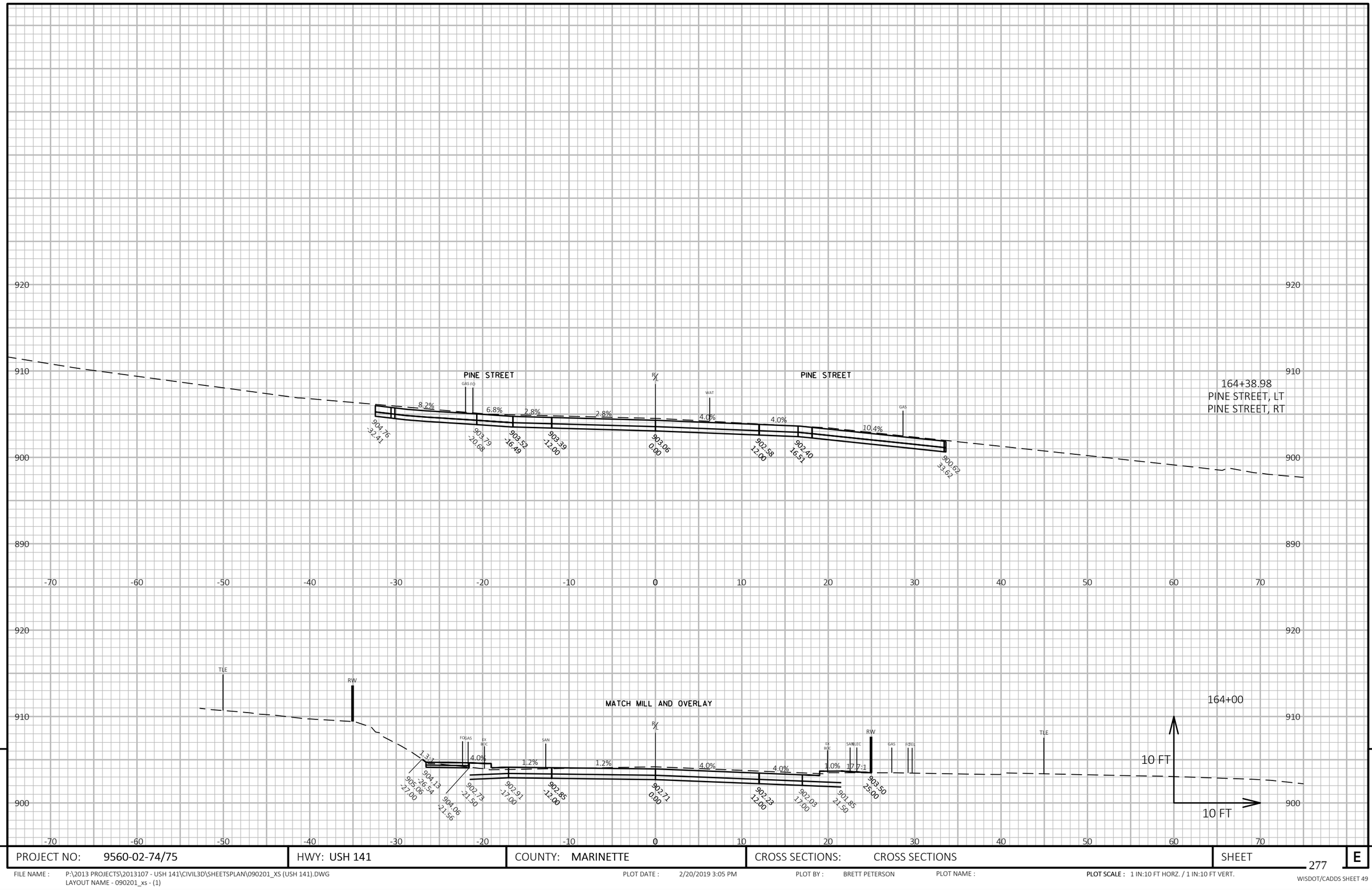
	CUT			FILL		CUMULATIVE			
STATION	AREA (SQ. FT.)	VOLUME (CU. YD.)	REUSABLE VOLUME (CU. YD.)	AREA (SQ. FT.)	VOLUME (CU. YD.)	CUT (CU. YD.)	REUSABLE CUT (CU. YD.)	FILL (CU. YD.)	NET VOLUME (CU. YD.)
10+38.68 C	49.64			0.28					
10+50.00 C	39.07	18.60	18.60	0.04	0.07	18.60	18.60	0.07	18.53
10+75.00 C	14.43	24.77	24.77	0.00	0.02	43.36	43.36	0.09	43.28
11+00.00 C	14.04	13.18	13.18	0.02	0.01	56.55	56.55	0.09	56.45
11+25.00 C	13.63	12.81	12.81	0.07	0.04	69.36	69.36	0.14	69.22
11+50.00 C	21.39	16.21	16.21	0.03	0.05	85.57	85.57	0.18	85.39
11+75.00 C	19.39	18.88	18.88	0.00	0.01	104.45	104.45	0.20	104.25
12+00.00 C	20.12	18.29	18.29	0.30	0.14	122.74	122.74	0.34	122.40
12+25.00 C	22.07	19.53	19.53	0.00	0.14	142.27	142.27	0.47	141.80
12+50.00 C	0.00	10.22	10.22	0.00	0.00	152.49	152.49	0.47	152.02
12+75.00 C	0.00	0.00	0.00	0.00	0.00	152.49	152.49	0.47	152.02
13+00.00 C	0.00	0.00	0.00	0.00	0.00	152.49	152.49	0.47	152.02

MAIN STREET - STAGE 2

	CUT			FILL		CUMULATIVE			
STATION	AREA (SQ. FT.)	VOLUME (CU. YD.)	REUSABLE VOLUME (CU. YD.)	AREA (SQ. FT.)	VOLUME (CU. YD.)	CUT (CU. YD.)	REUSABLE CUT (CU. YD.)	FILL (CU. YD.)	NET VOLUME (CU. YD.)
10+70.82 M	67.00			3.83					
10+75.00 M	69.00	10.53	10.53	2.00	0.45	10.53	10.53	0.45	10.08
11+00.00 M	69.88	64.30	64.30	0.43	1.13	74.82	74.82	1.58	73.25
11+25.00 M	66.41	63.10	63.10	0.03	0.21	137.92	137.92	1.79	136.13

SCHOOL STREET - STAGE 2

	CUT			FILL		CUMULATIVE			
STATION	AREA (SQ. FT.)	VOLUME (CU. YD.)	REUSABLE VOLUME (CU. YD.)	AREA (SQ. FT.)	VOLUME (CU. YD.)	CUT (CU. YD.)	REUSABLE CUT (CU. YD.)	FILL (CU. YD.)	NET VOLUME (CU. YD.)
9+50.00 S	35.52			0.23					
9+68.68 S	30.02	22.67	22.67	0.00	0.08	22.67	22.67	0.08	22.59

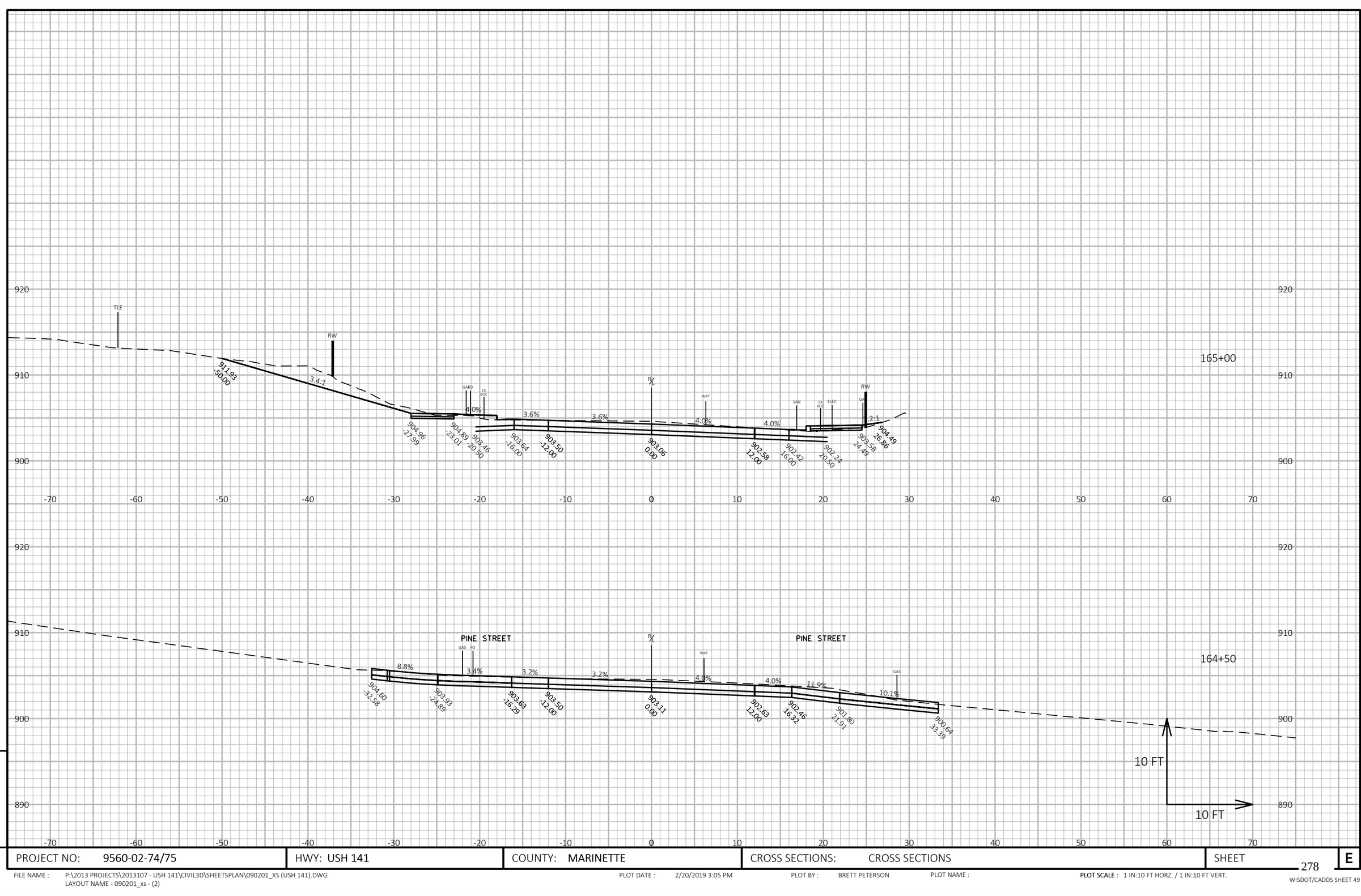


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PLOT DATE : 2/20/2019 3:05 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

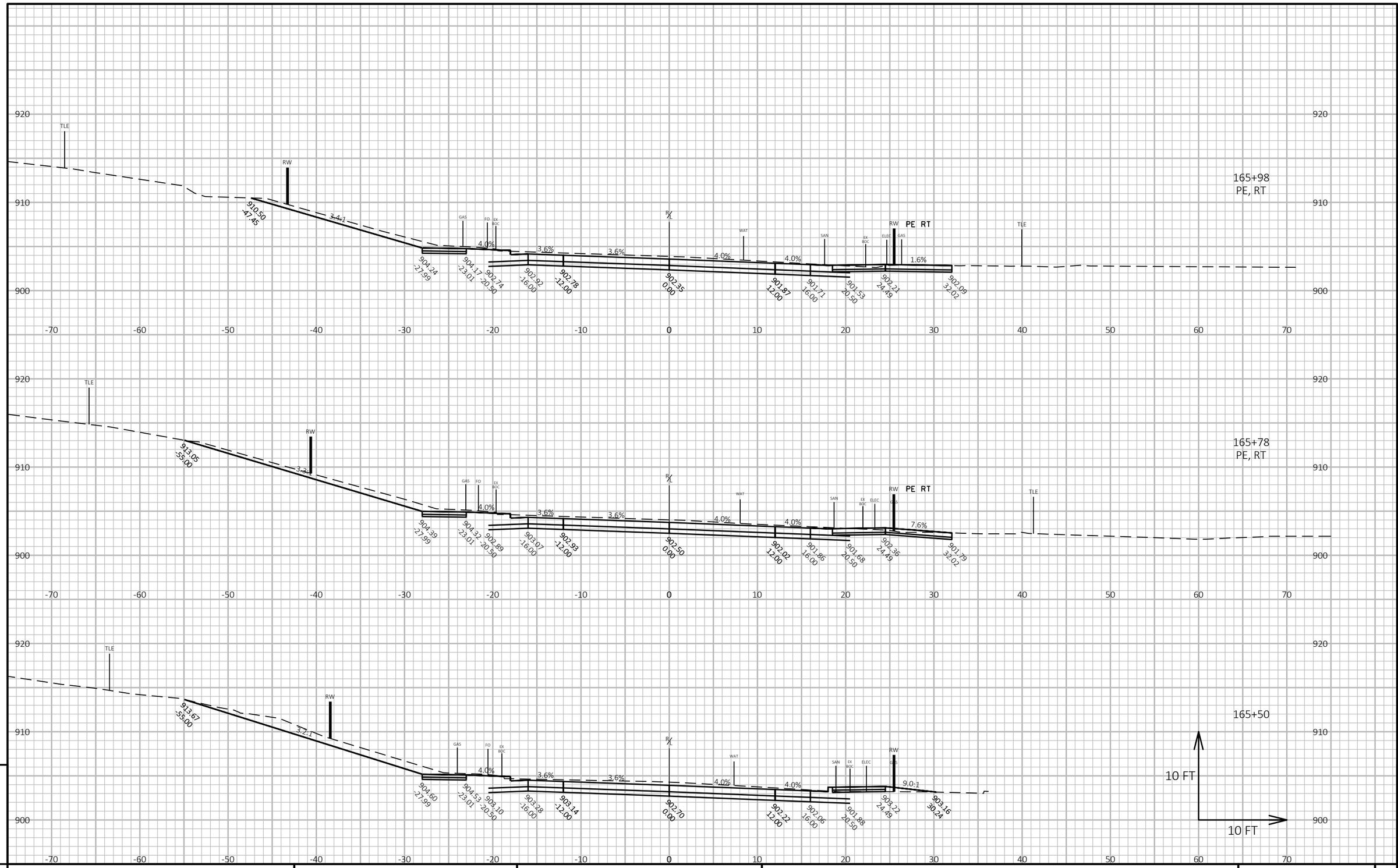
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WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 279	E

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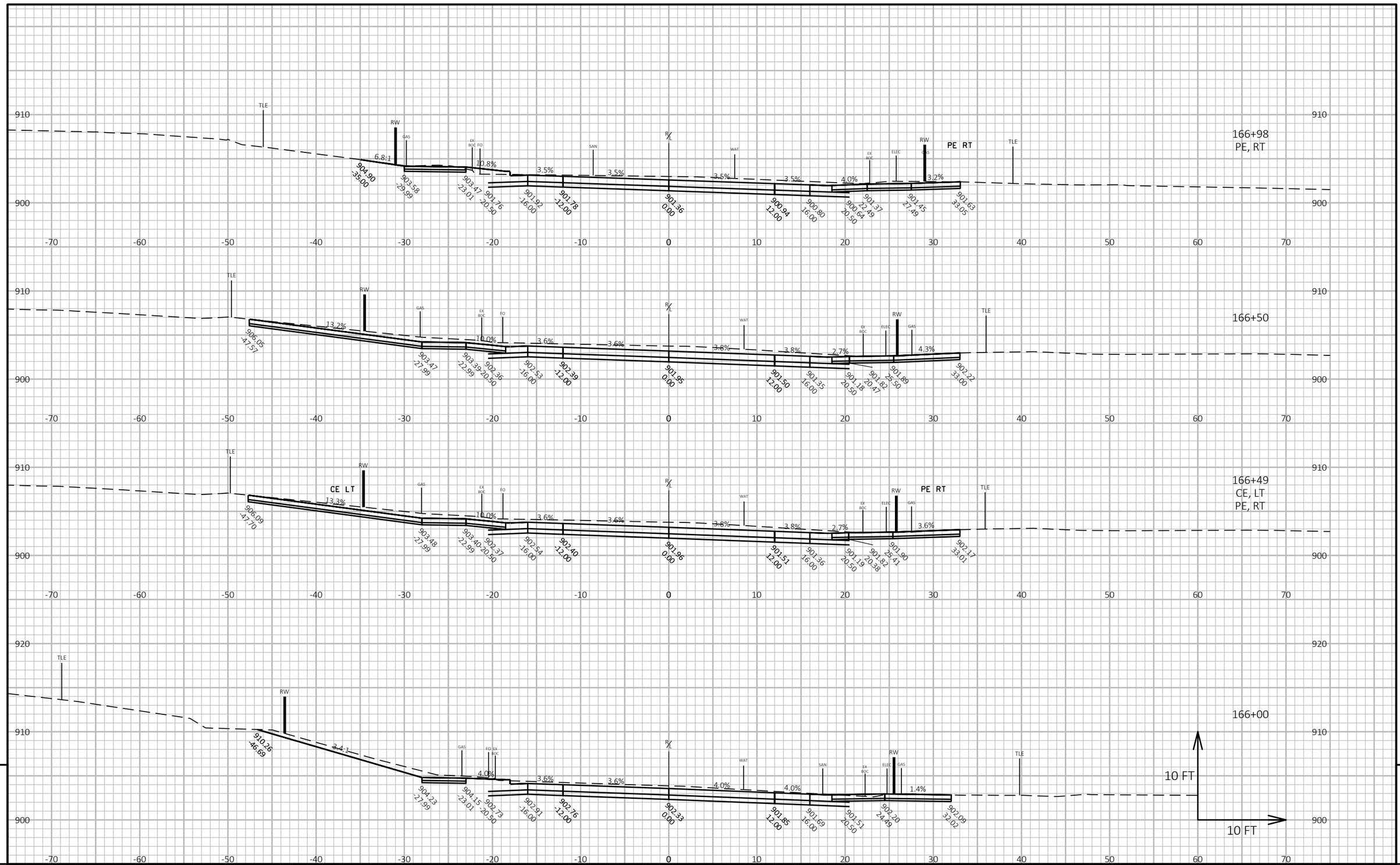
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PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 280 E

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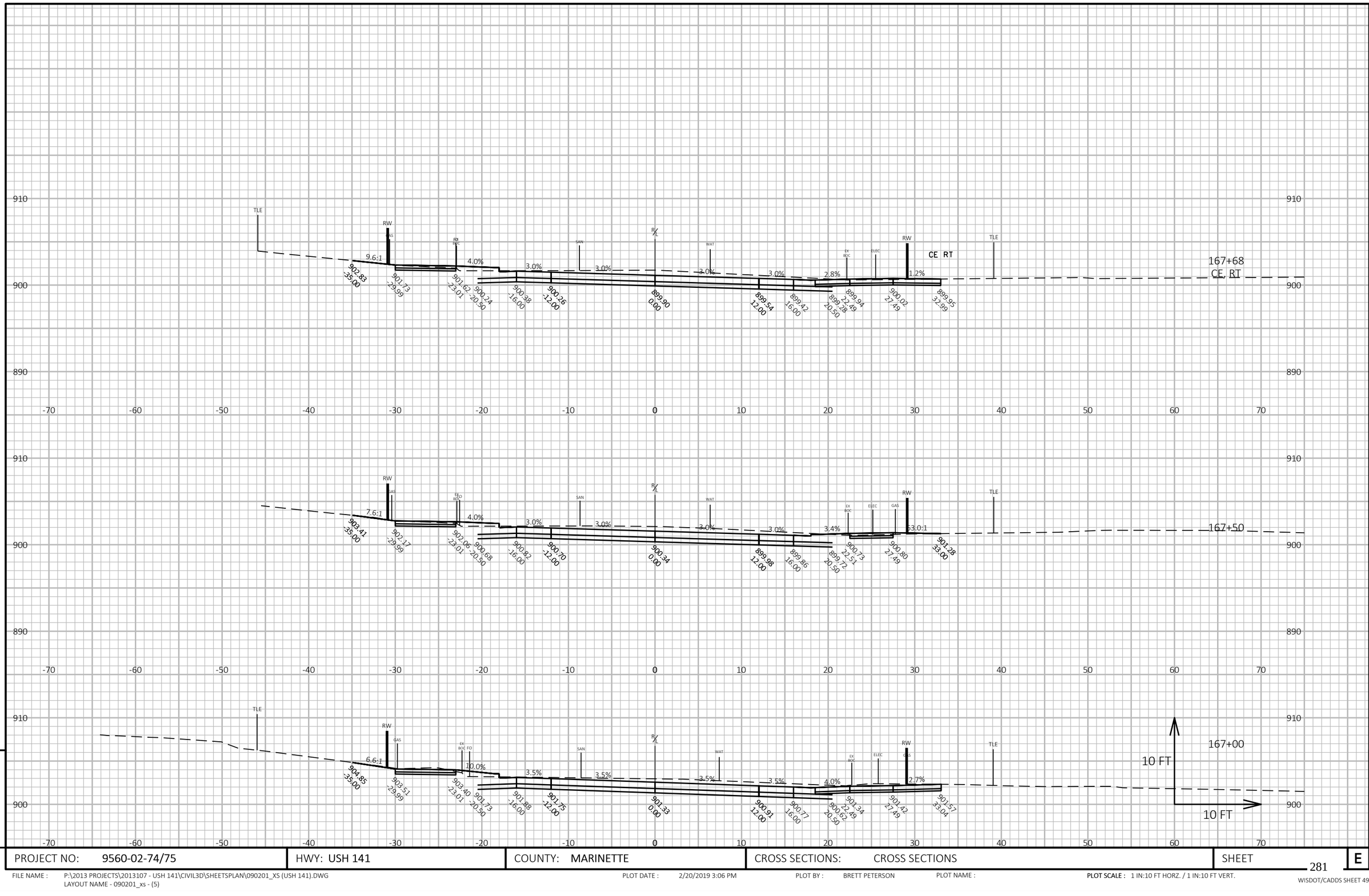
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PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 281	E

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PLOT DATE : 2/20/2019 3:06 PM

PLOT BY : BRETT PETERSON

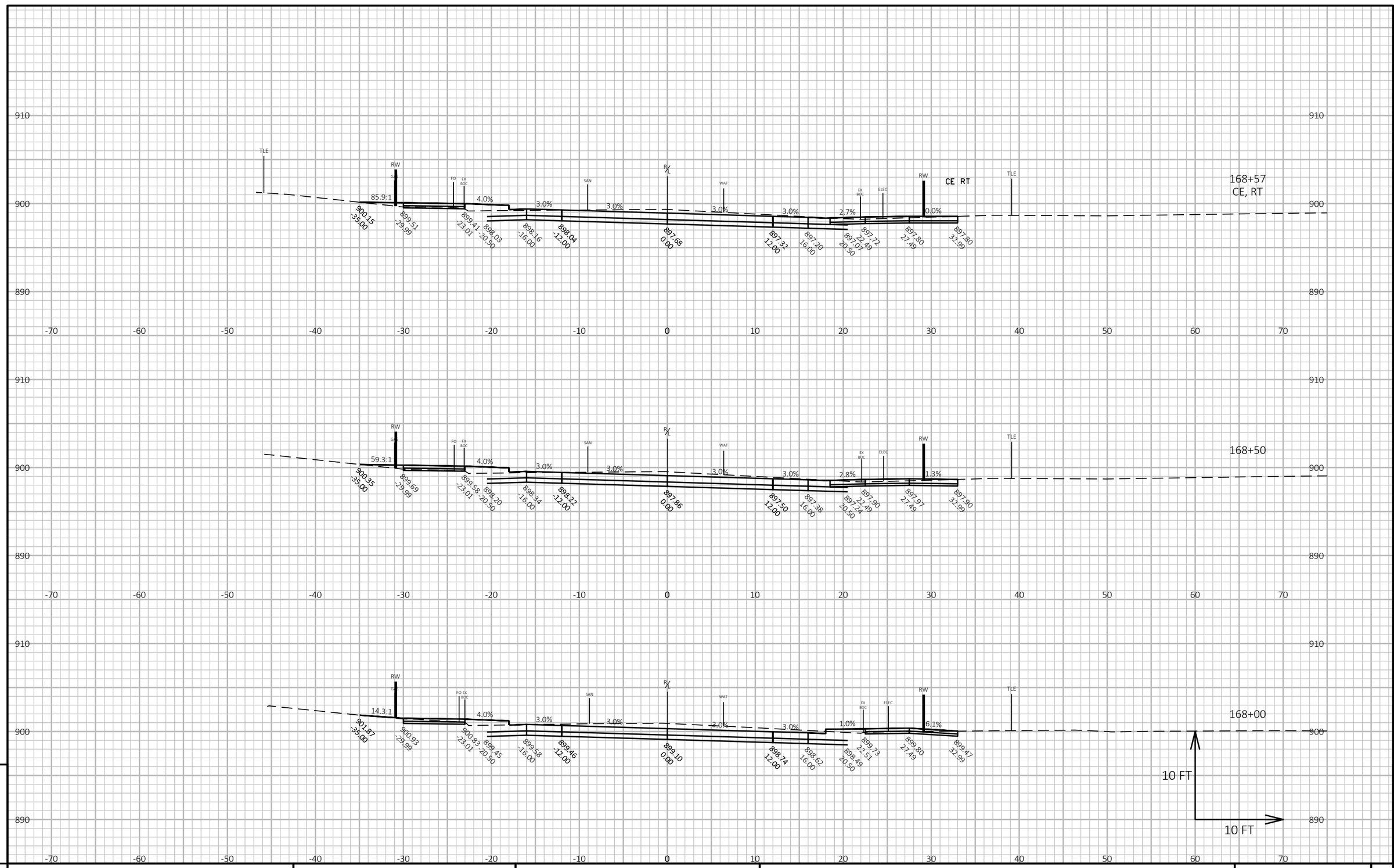
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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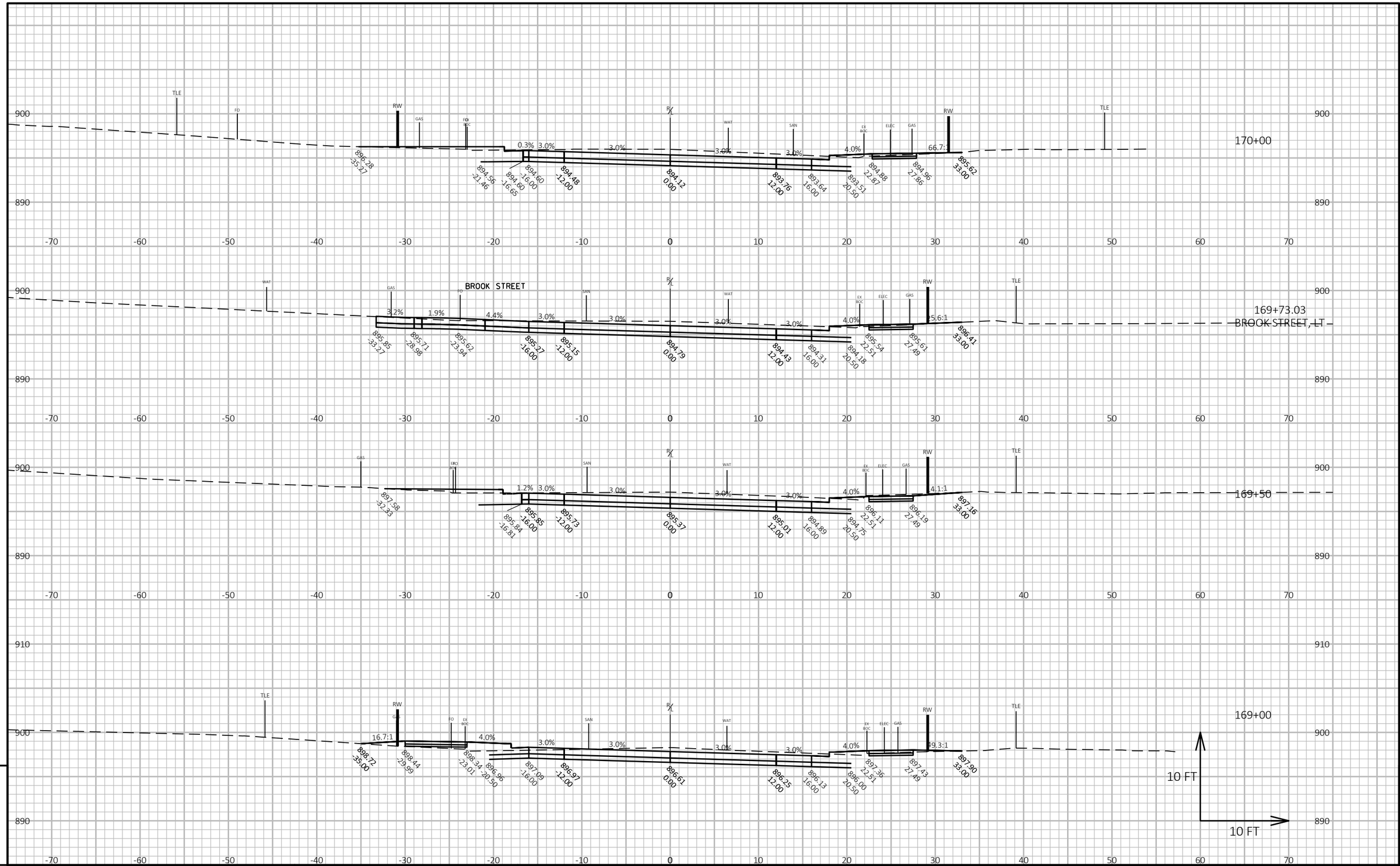


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 282 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (6)

PLOT DATE : 2/20/2019 3:07 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 283 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (7)

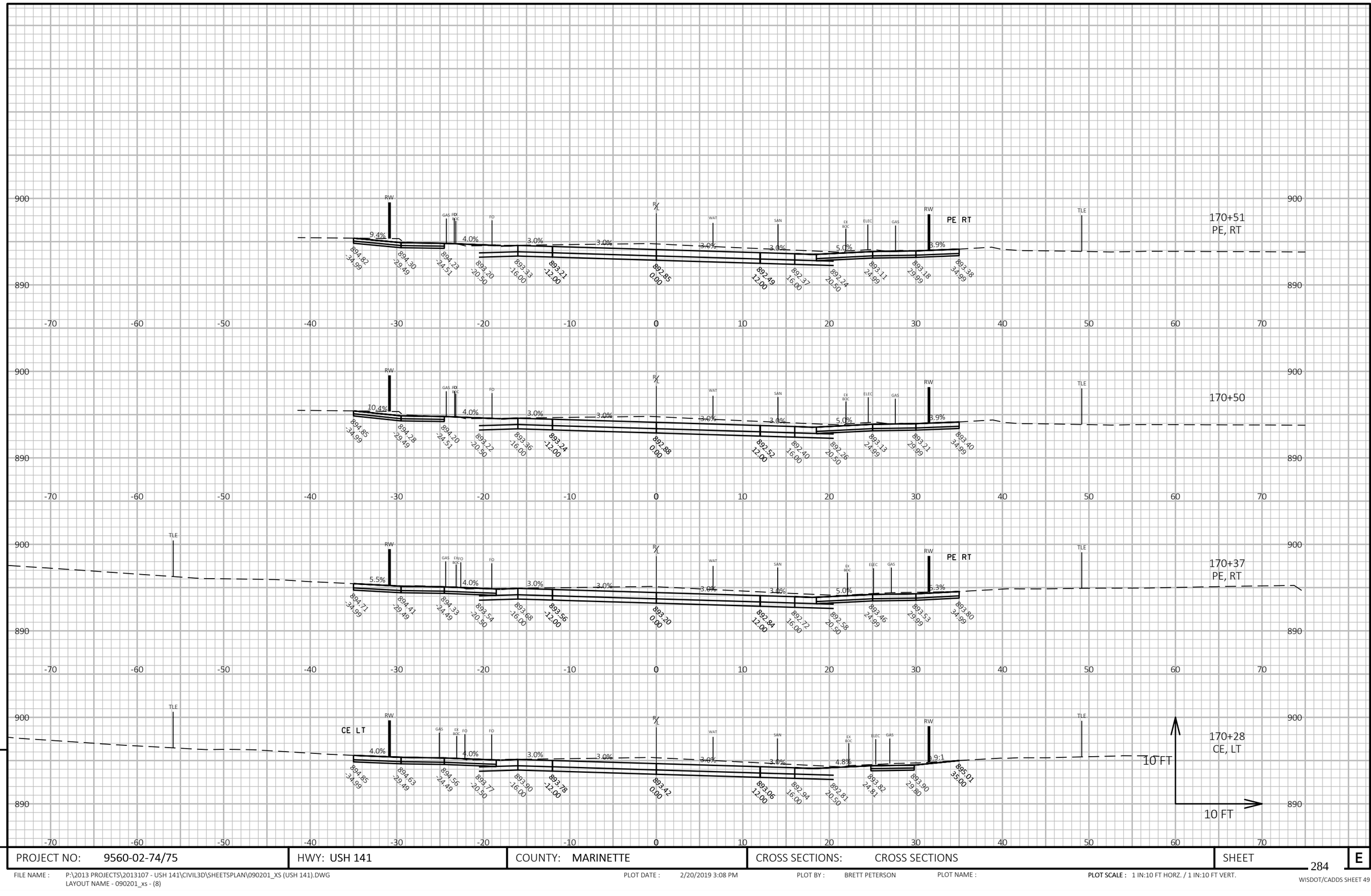
PLOT DATE : 2/20/2019 3:07 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

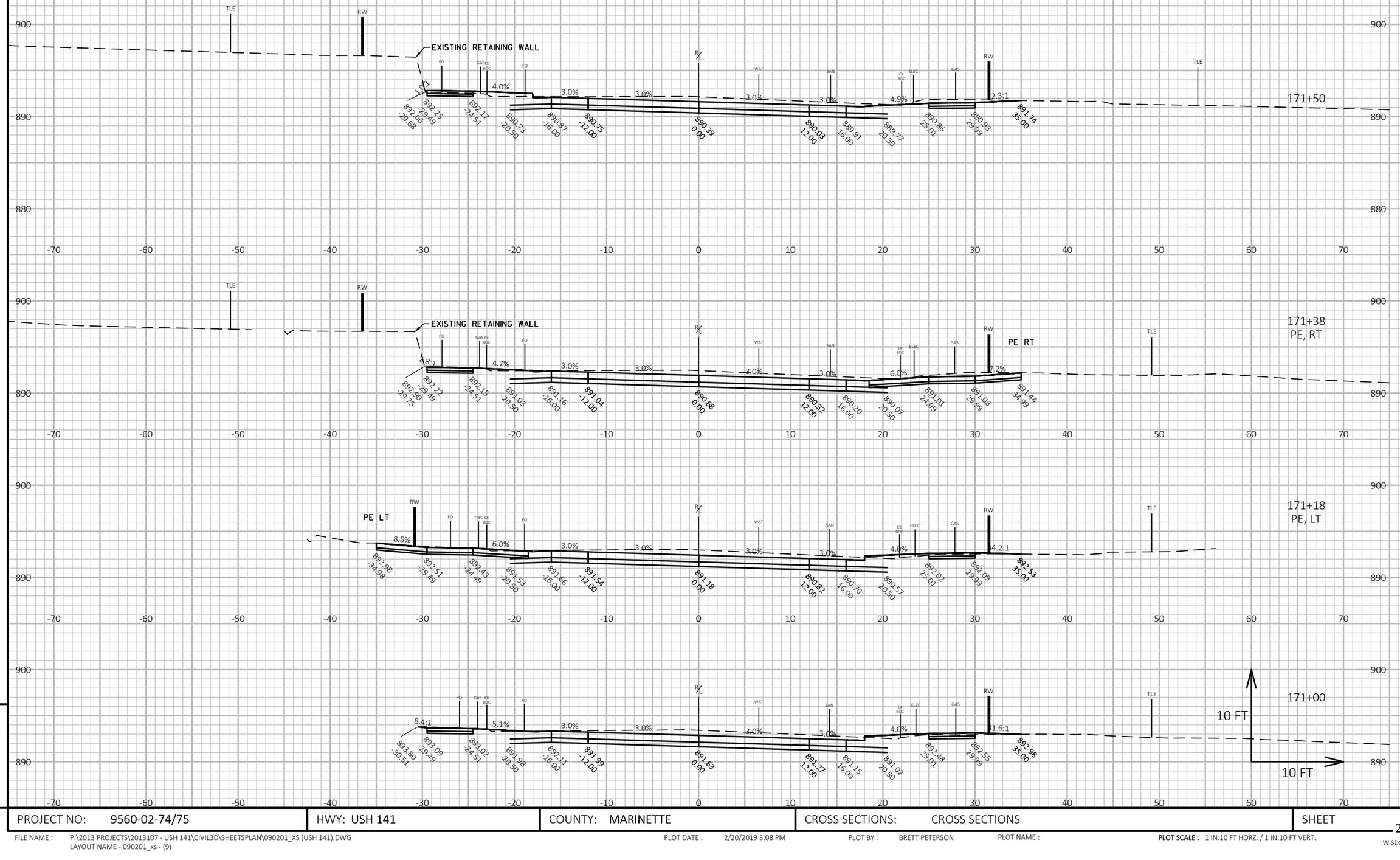


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 284	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (8)

PLOT DATE : 2/20/2019 3:08 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 285

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (9)

PLOT DATE : 2/20/2019 3:08 PM

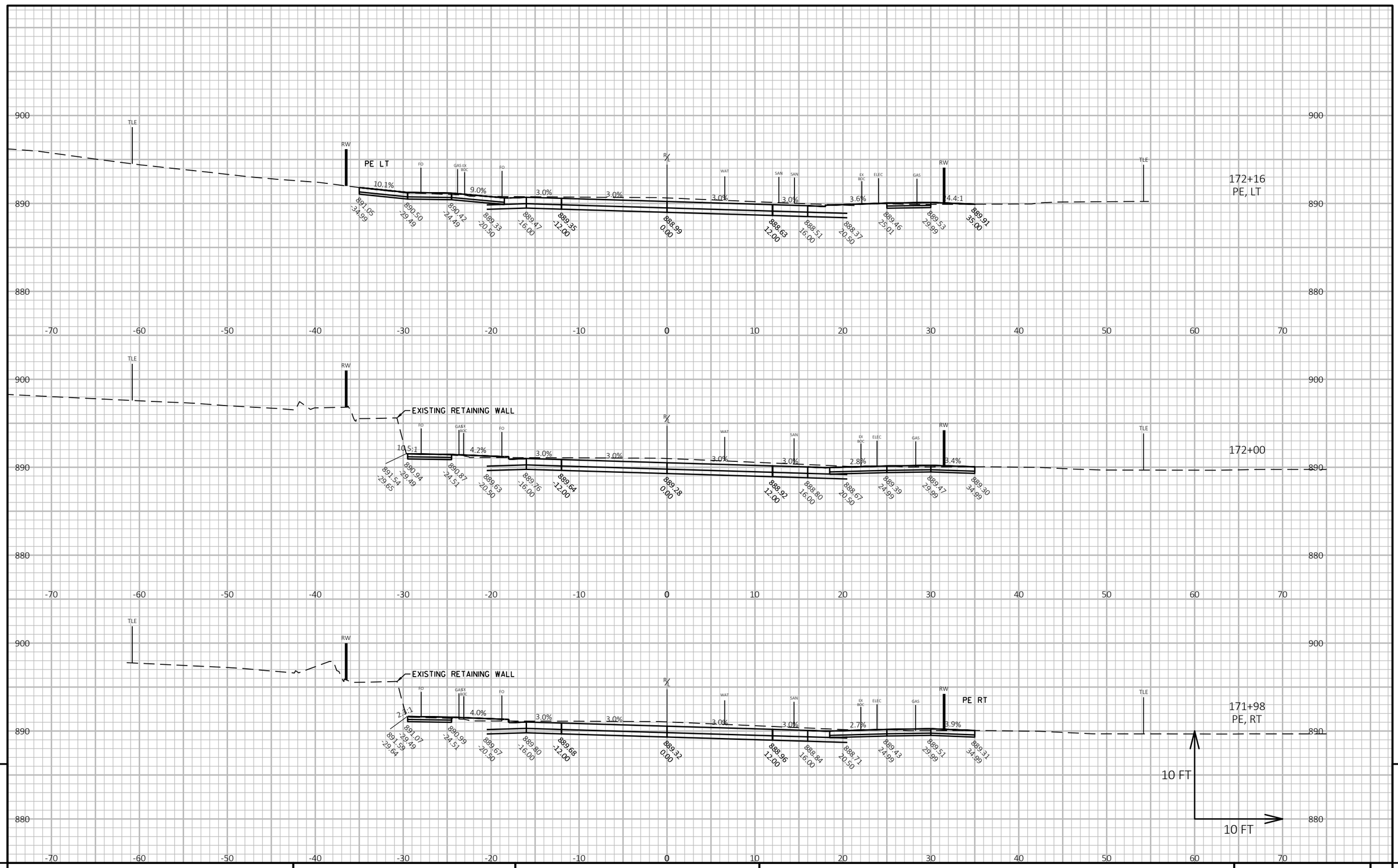
PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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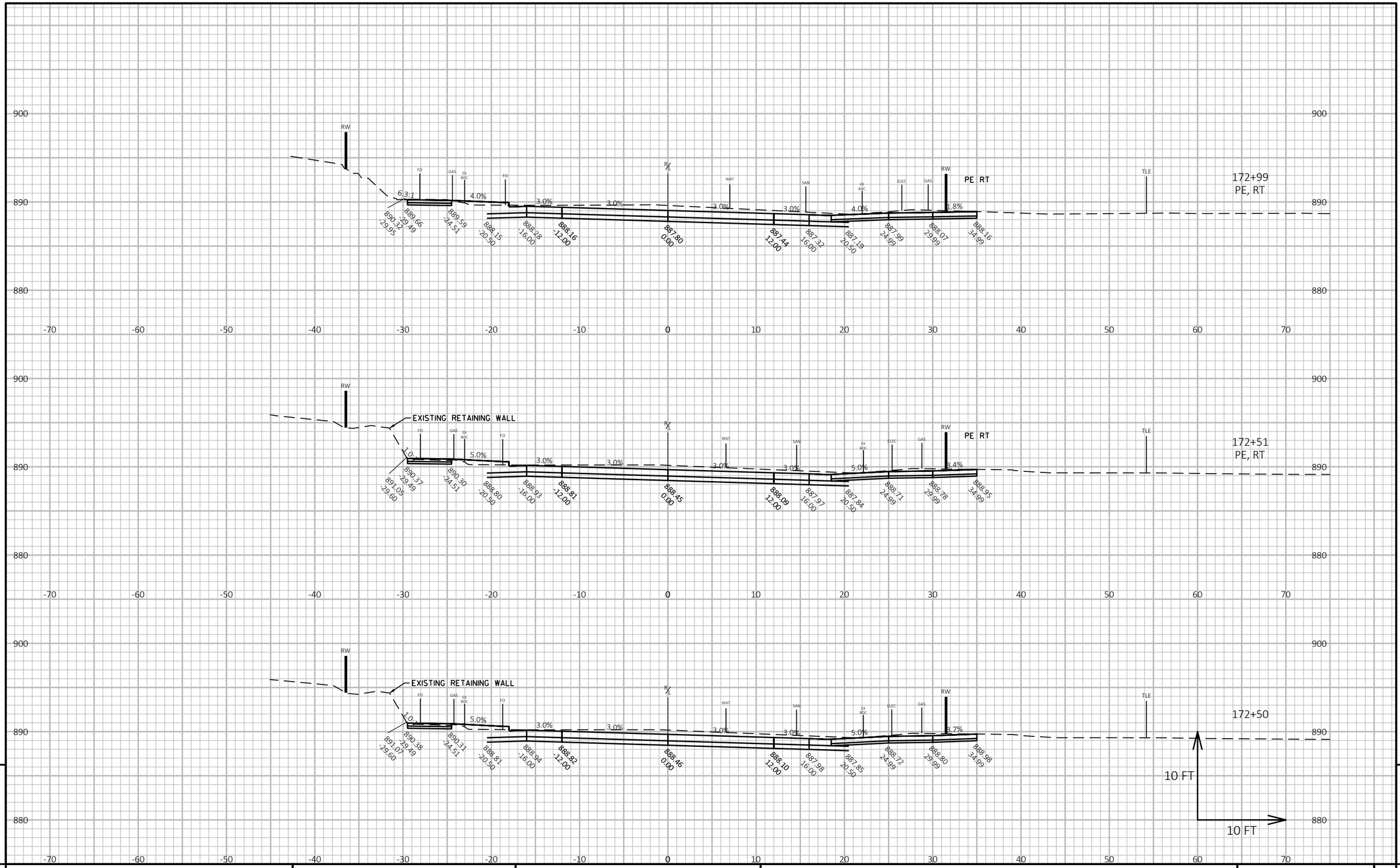
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 286 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (10)

PLOT DATE : 2/20/2019 3:09 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

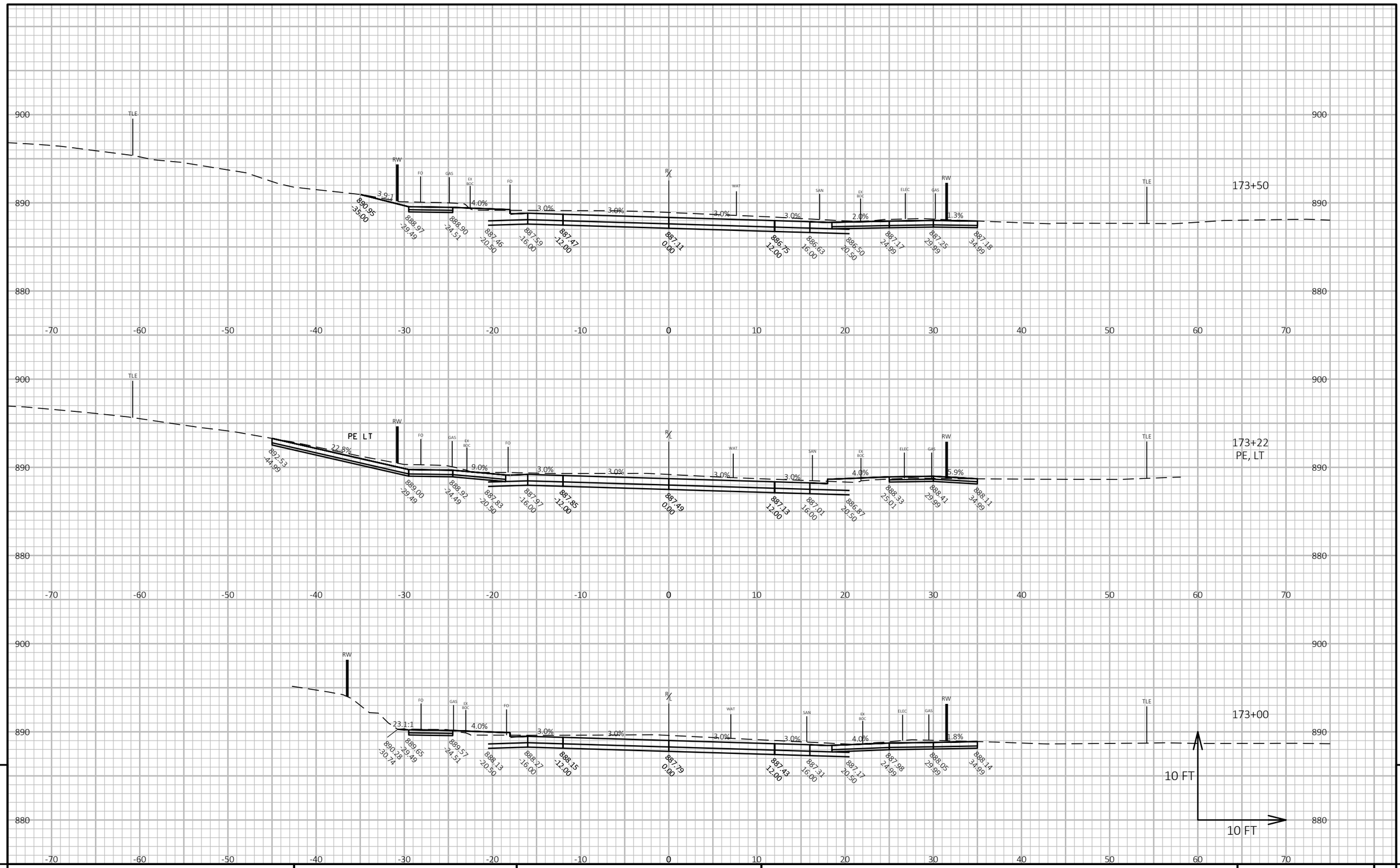


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 287 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (11)

PLOT DATE : 2/20/2019 3:09 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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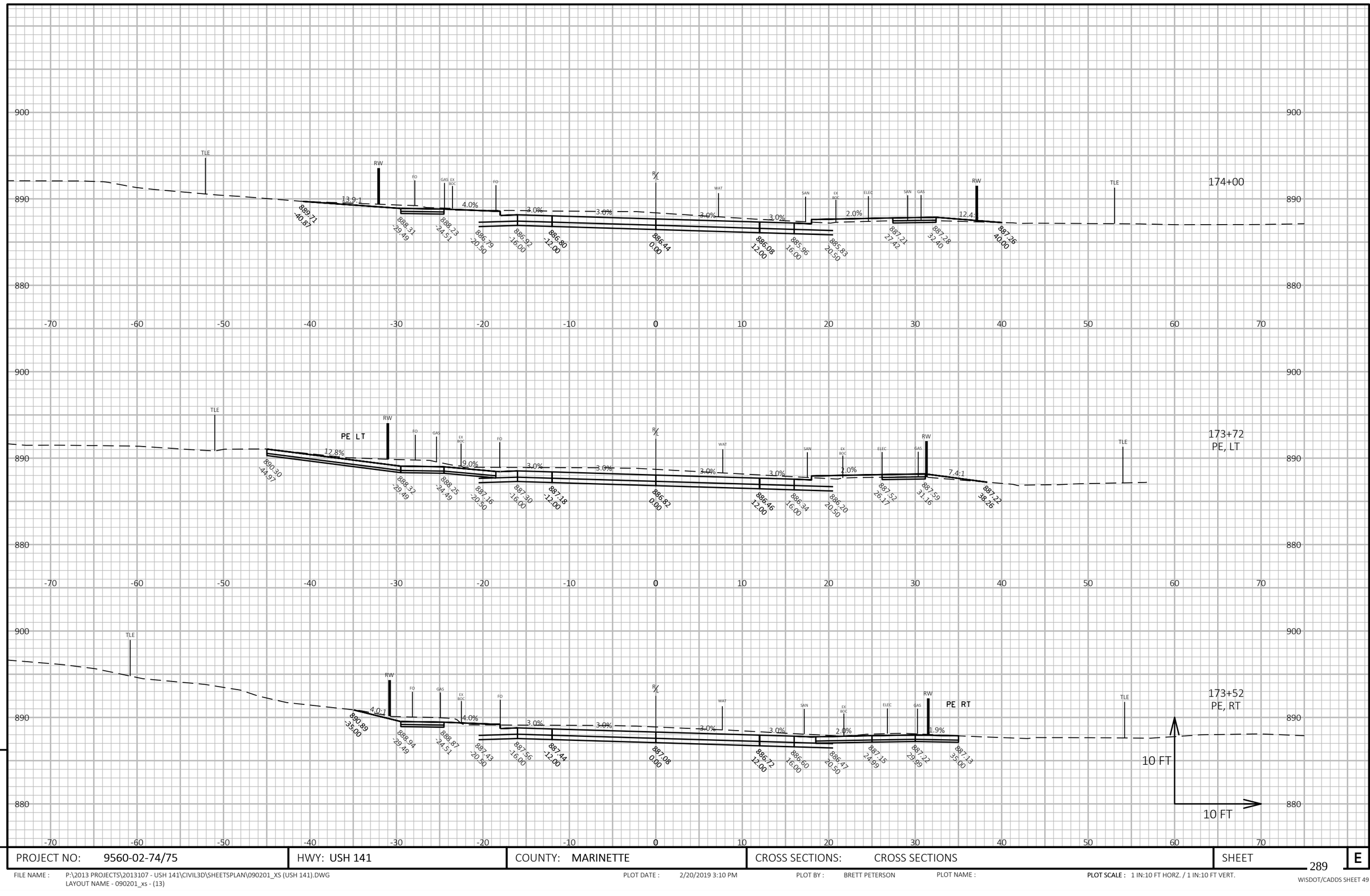
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 288 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (12)

PLOT DATE : 2/20/2019 3:10 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 289	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (13)

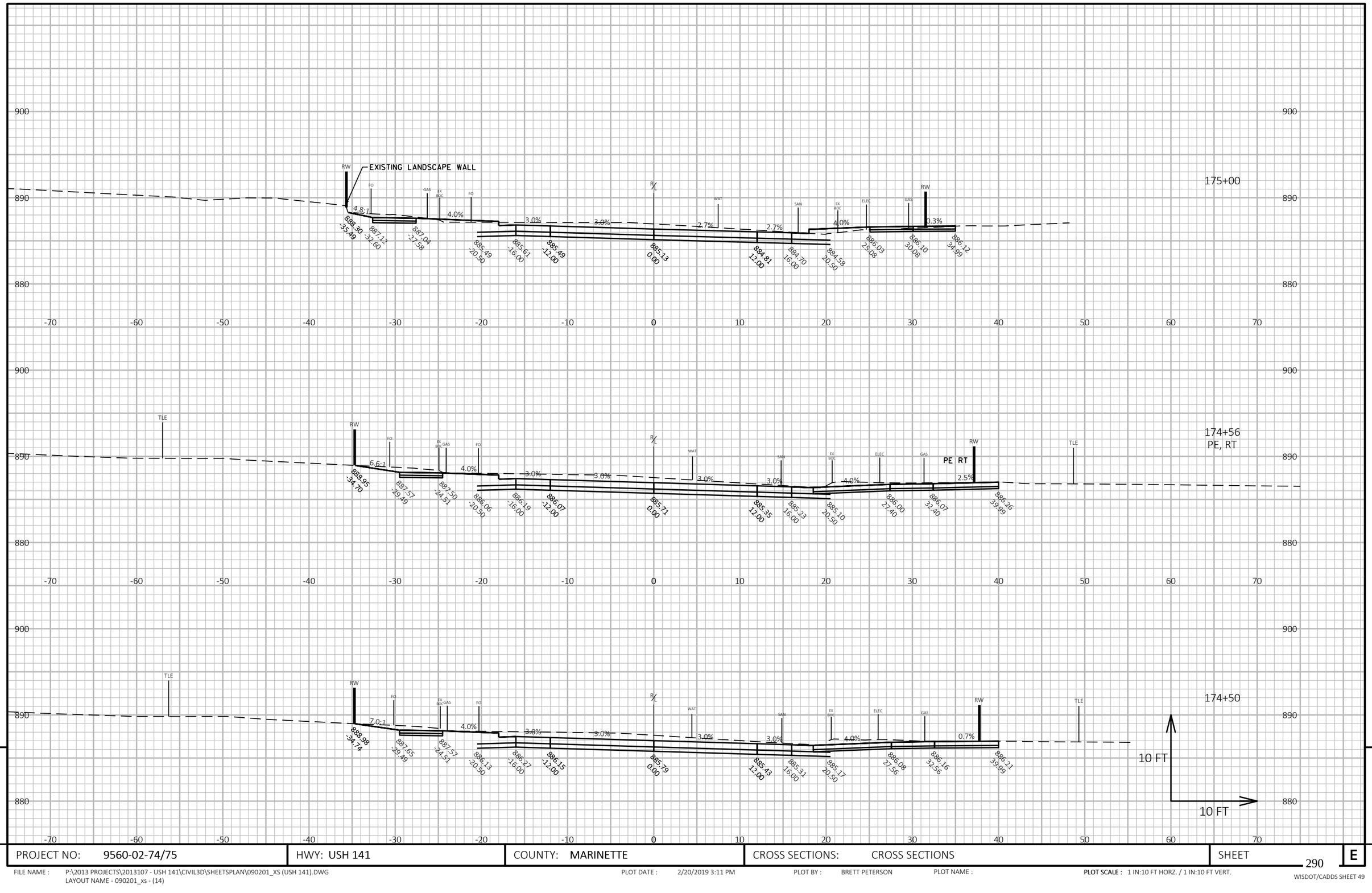
PLOT DATE : 2/20/2019 3:10 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

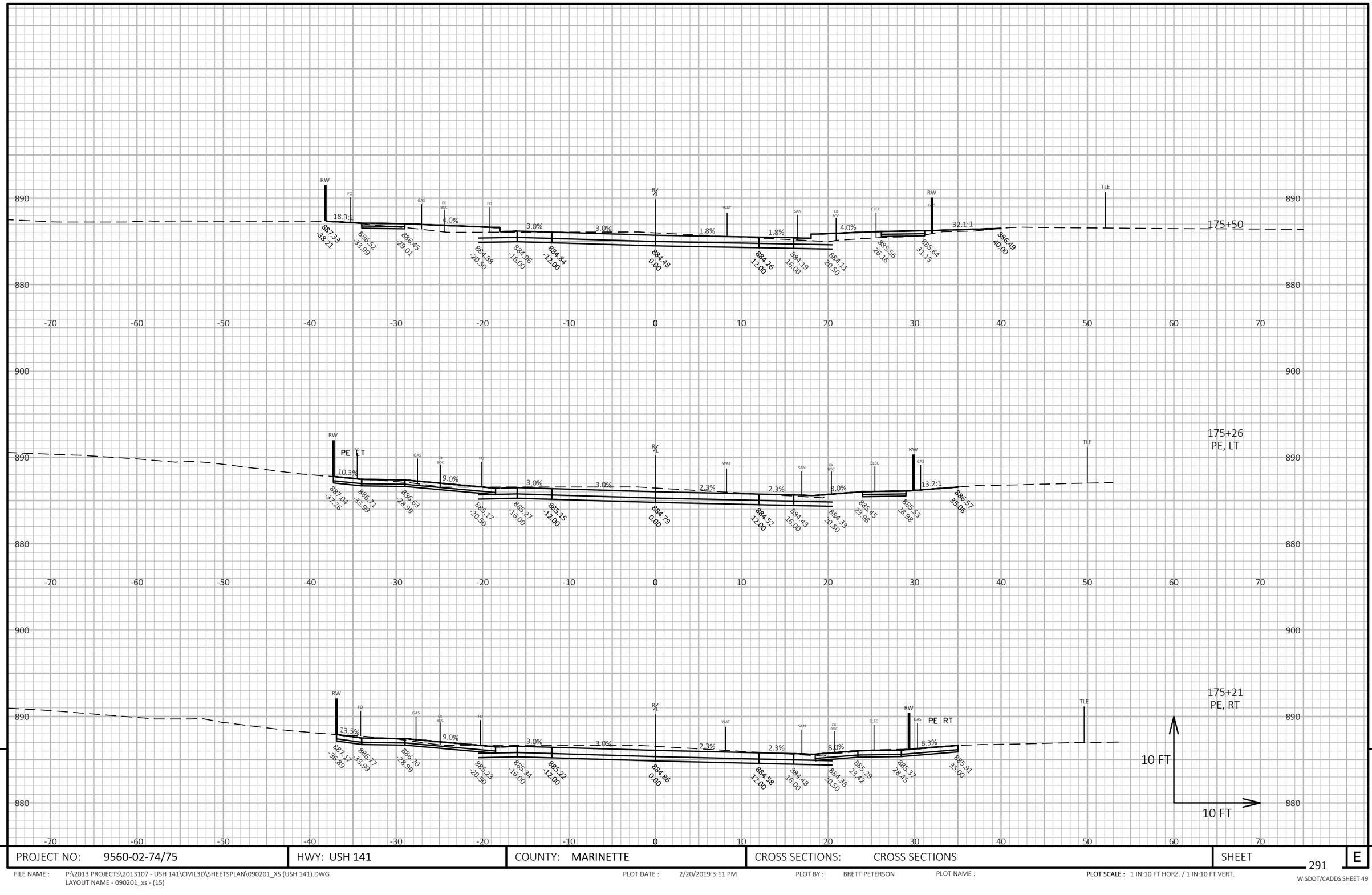
WISDOT/CADDS SHEET 49



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 290 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (14)

PLOT DATE : 2/20/2019 3:11 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 291	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (15)

PLOT DATE : 2/20/2019 3:11 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 292	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (16)

PLOT DATE : 2/20/2019 3:12 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



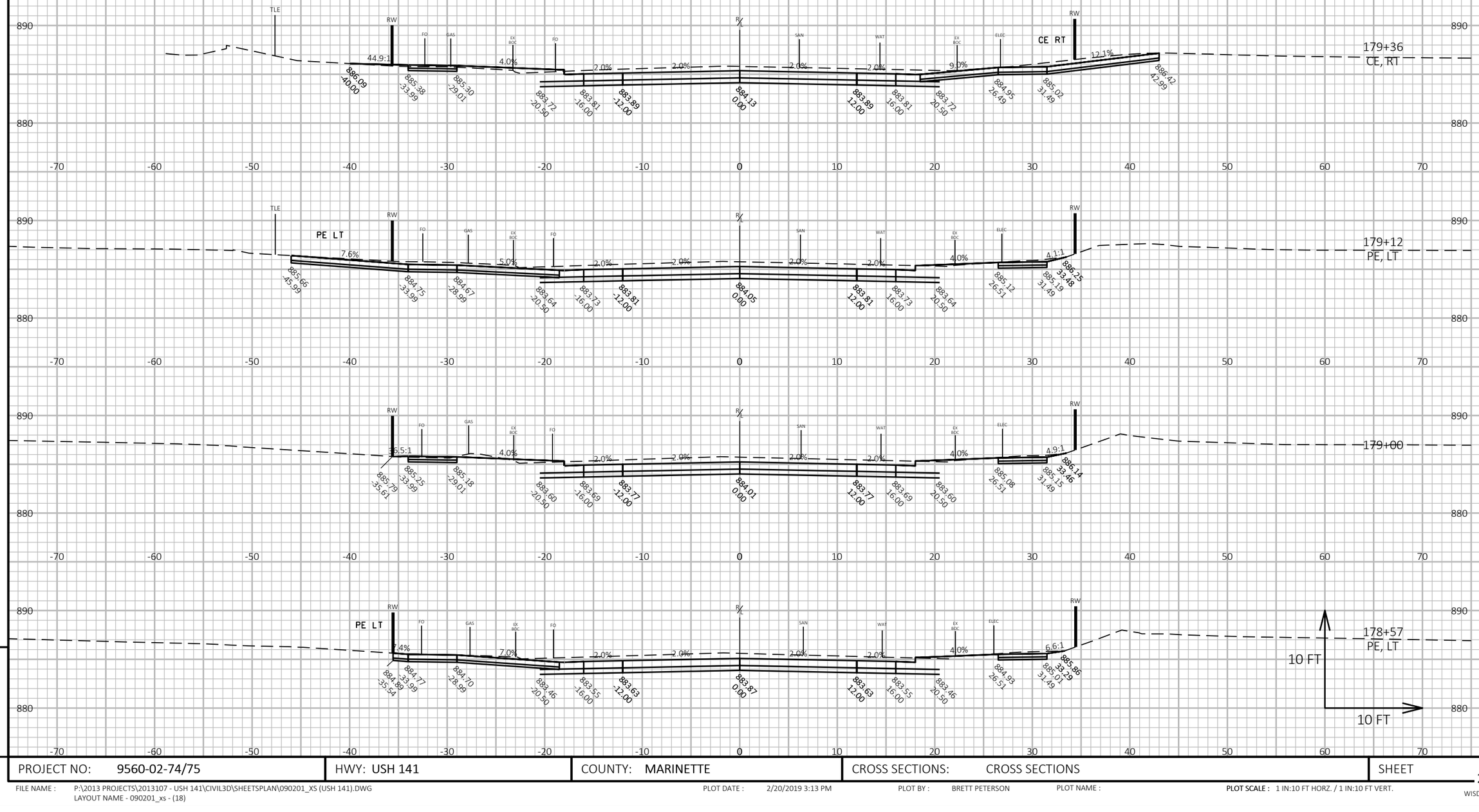
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 293	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (17)

PLOT DATE : 2/20/2019 3:12 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

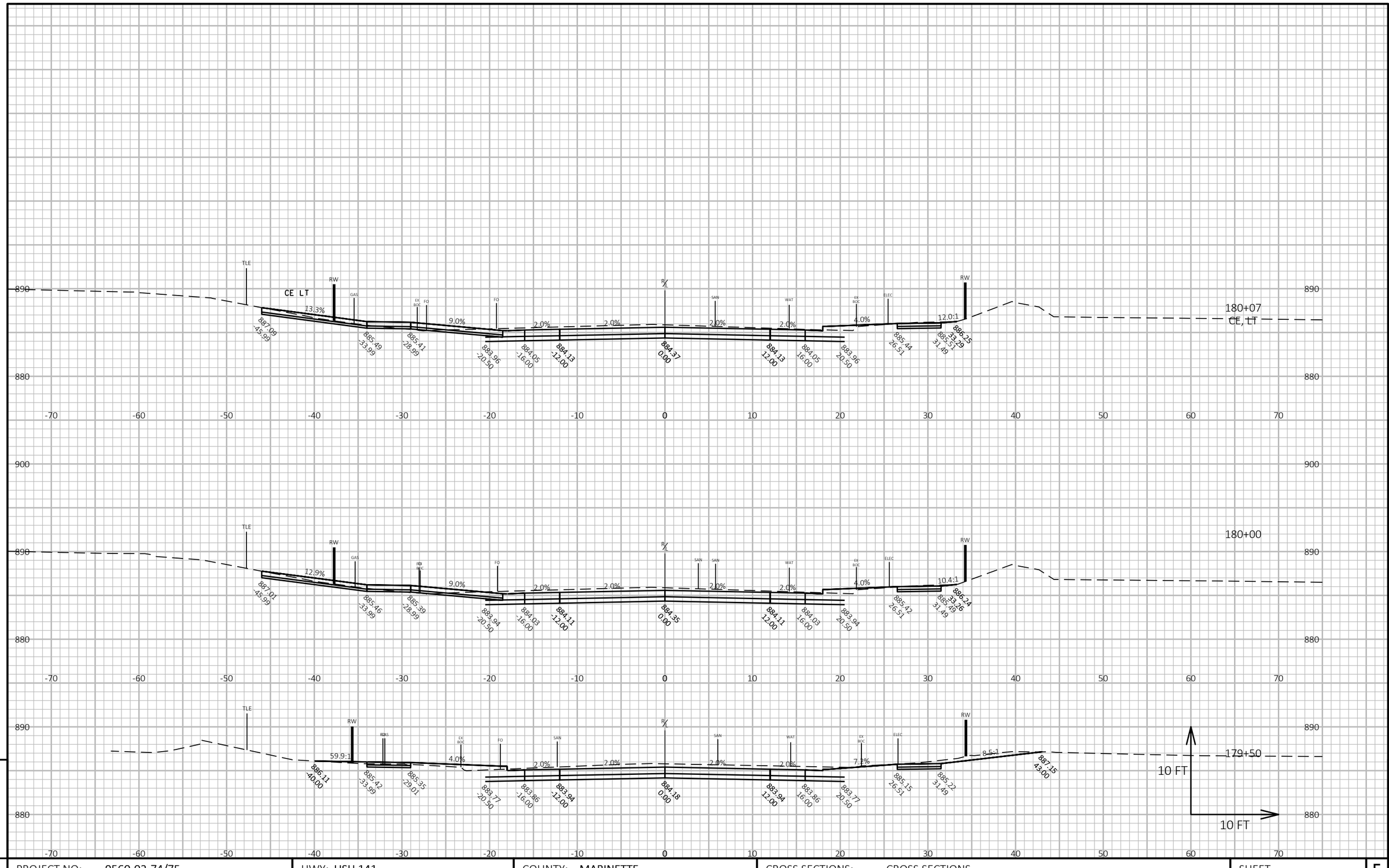


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 294 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (18)

PLOT DATE : 2/20/2019 3:13 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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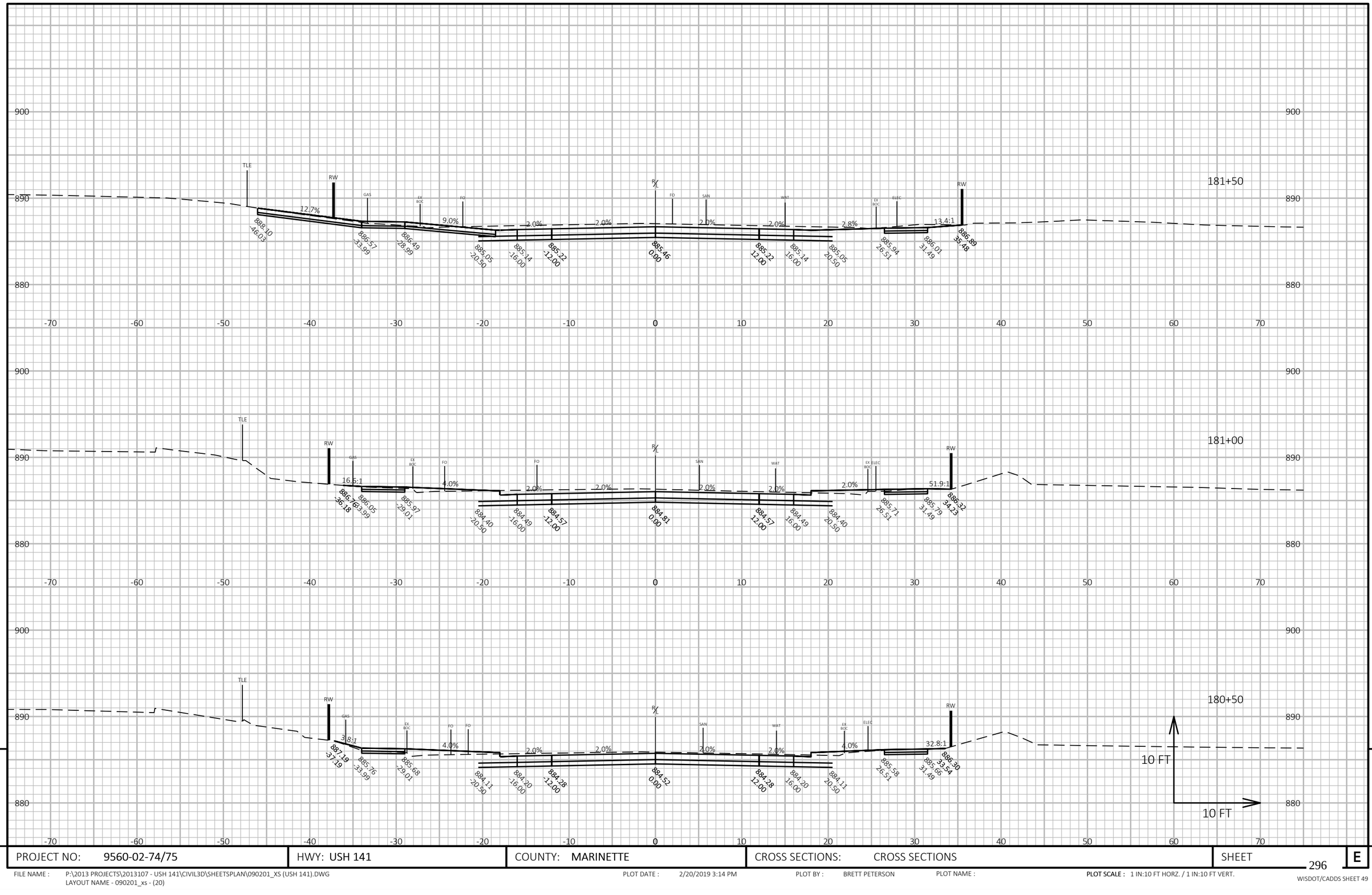
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 295	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (19)

PLOT DATE : 2/20/2019 3:13 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

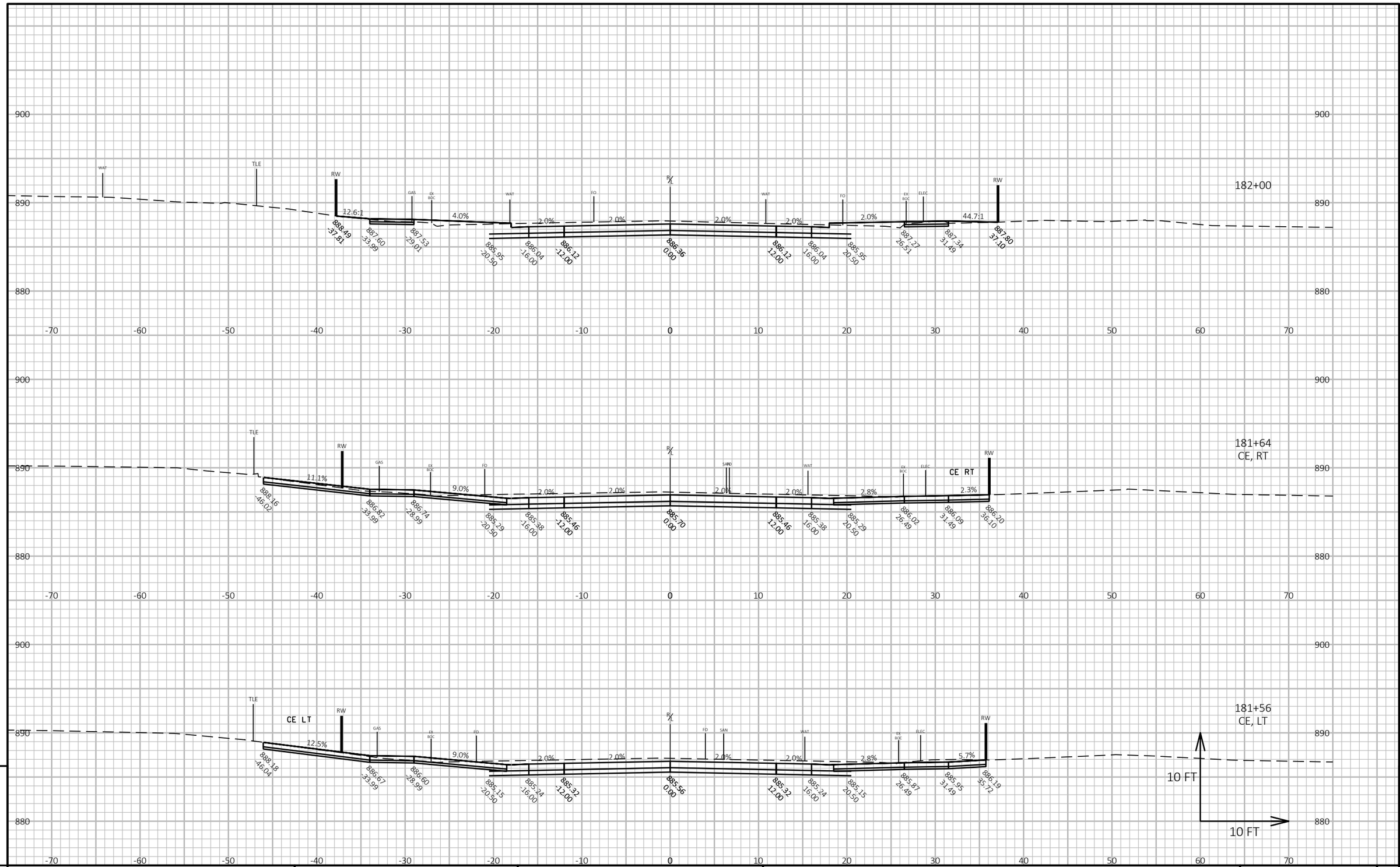


9 9

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 296 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (20)

PLOT DATE : 2/20/2019 3:14 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 297 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (21)

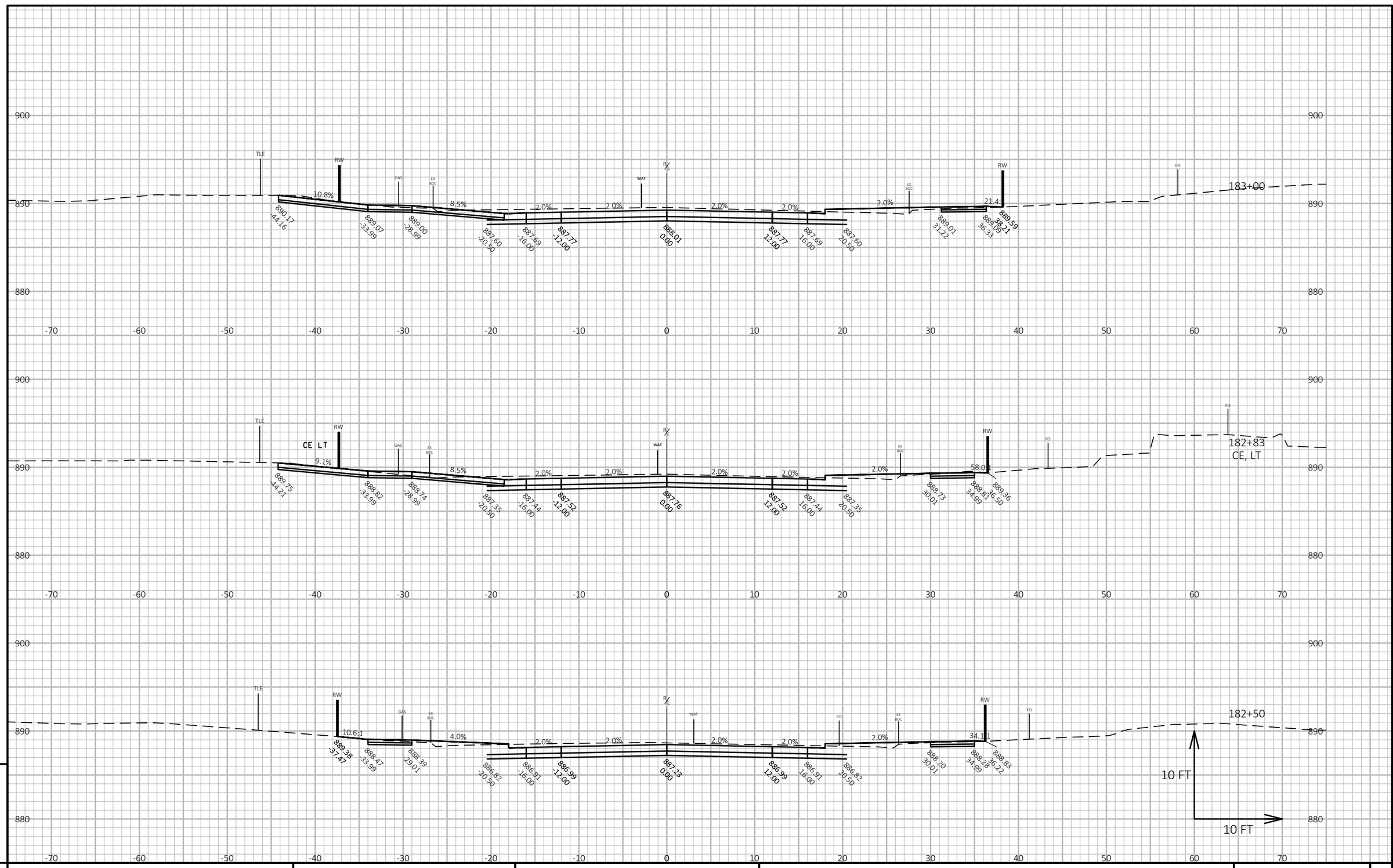
PLOT DATE : 2/20/2019 3:14 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

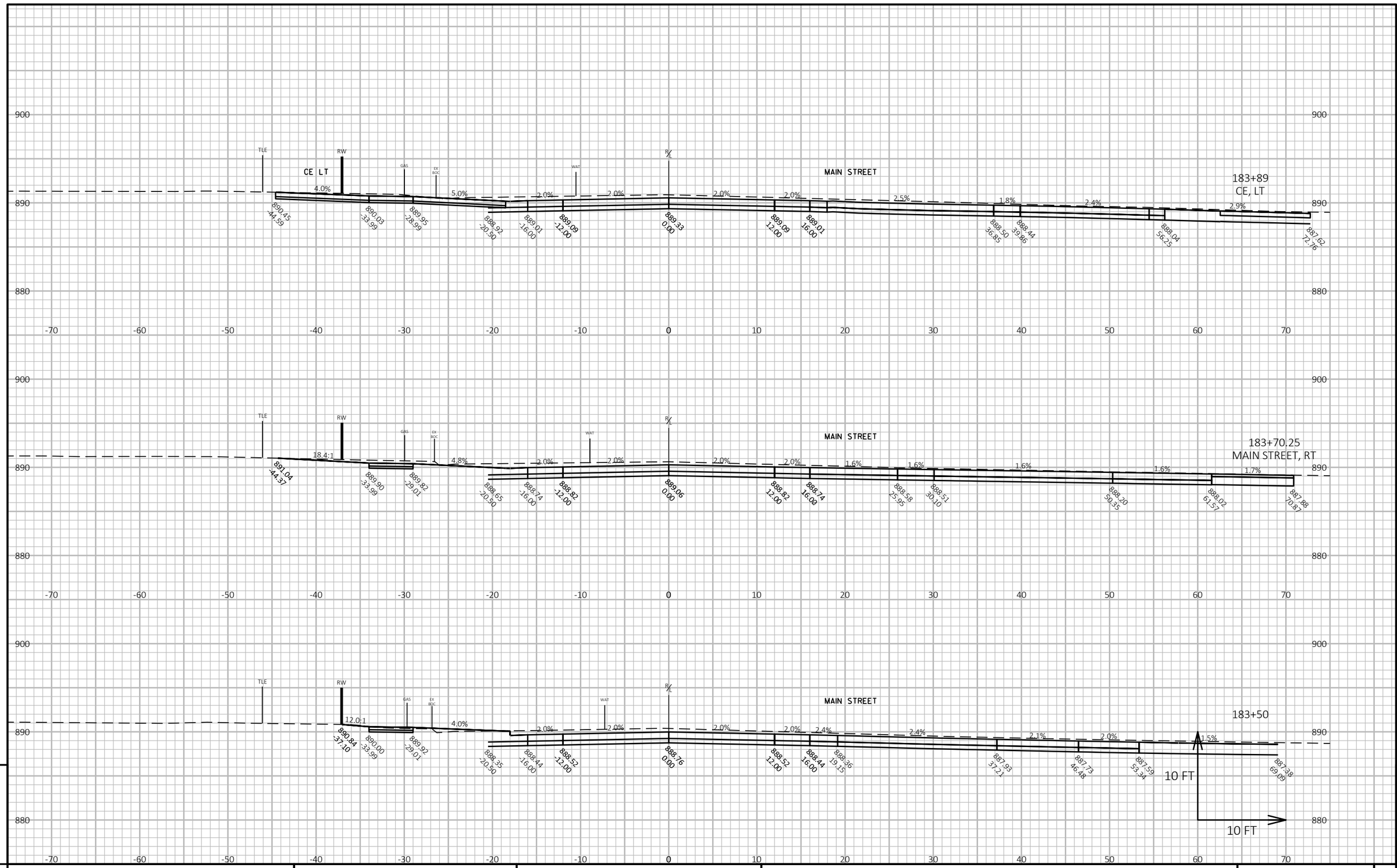


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 298 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (22)

PLOT DATE : 2/20/2019 3:15 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

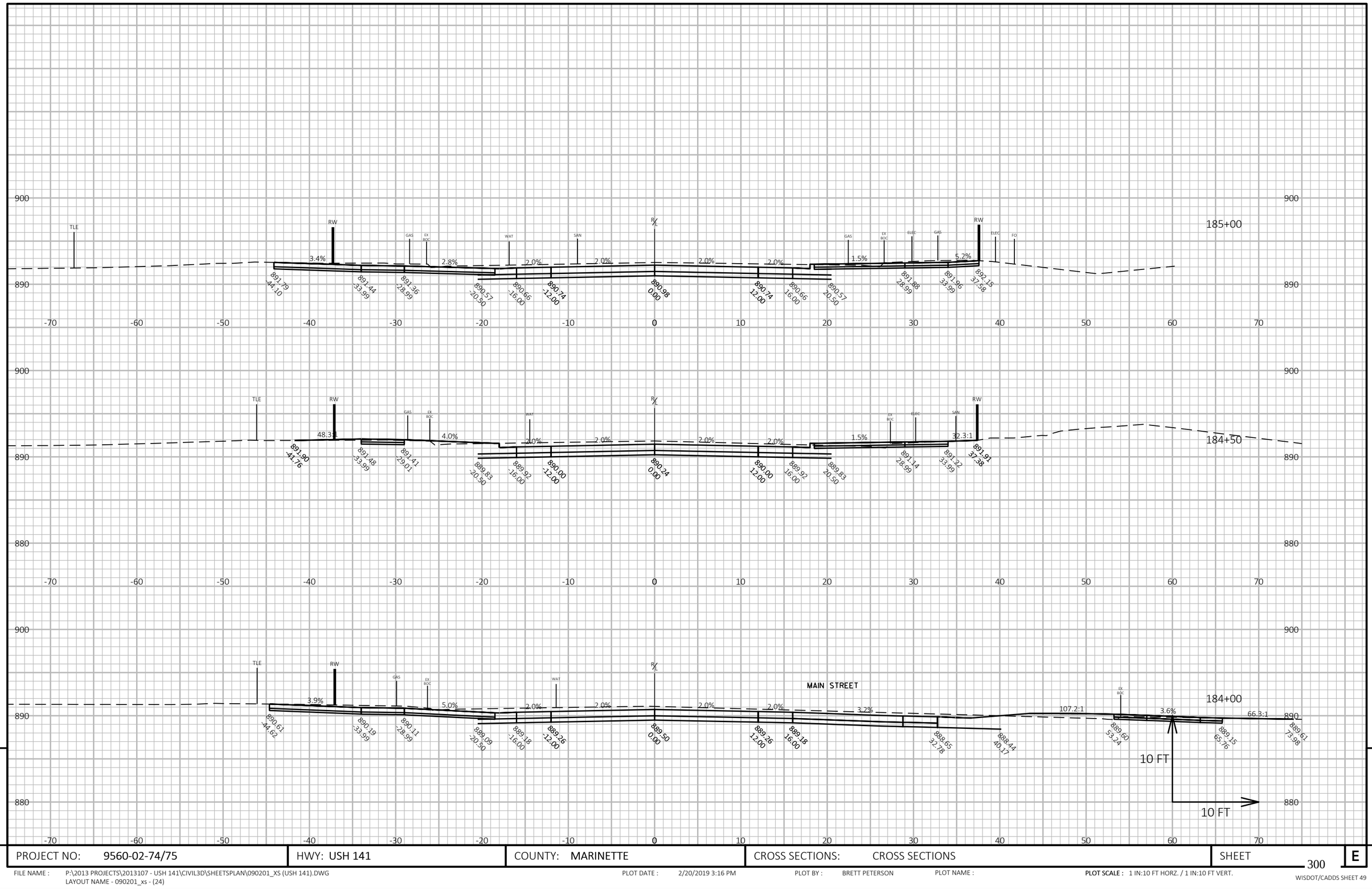


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 299 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (23)

PLOT DATE : 2/20/2019 3:15 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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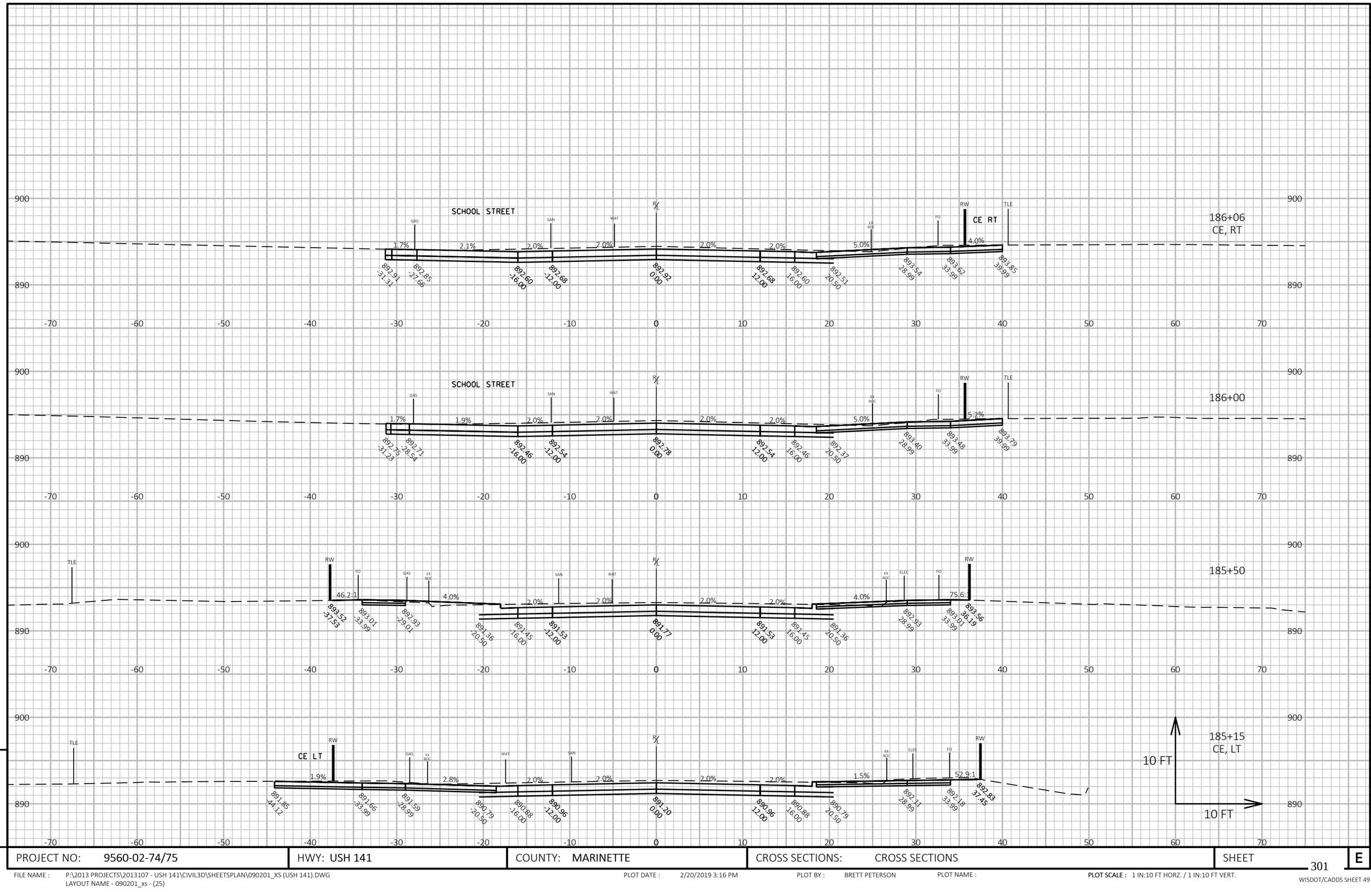
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 300	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (24)

PLOT DATE : 2/20/2019 3:16 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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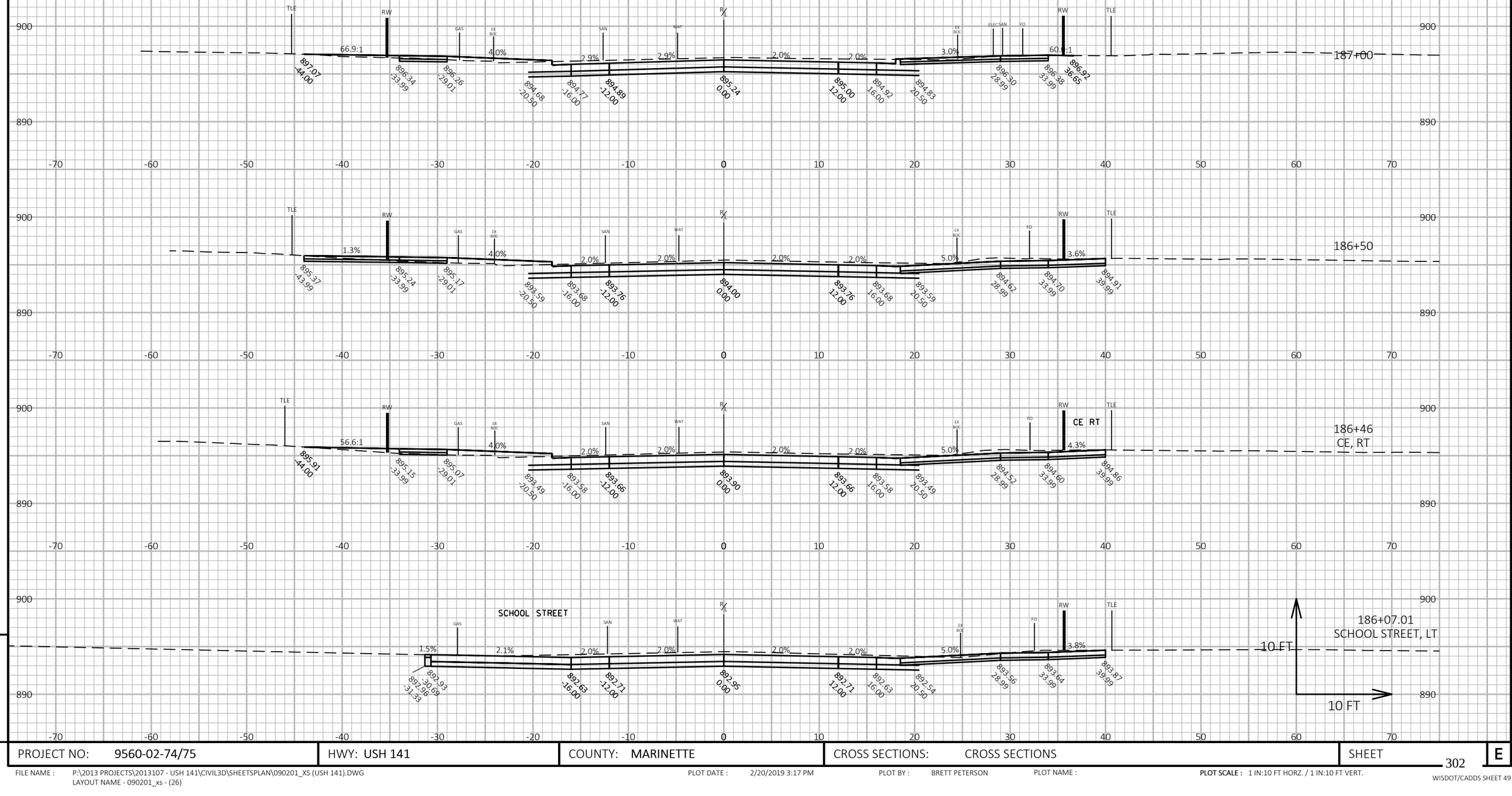
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 301	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (25)

PLOT DATE : 2/20/2019 3:16 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

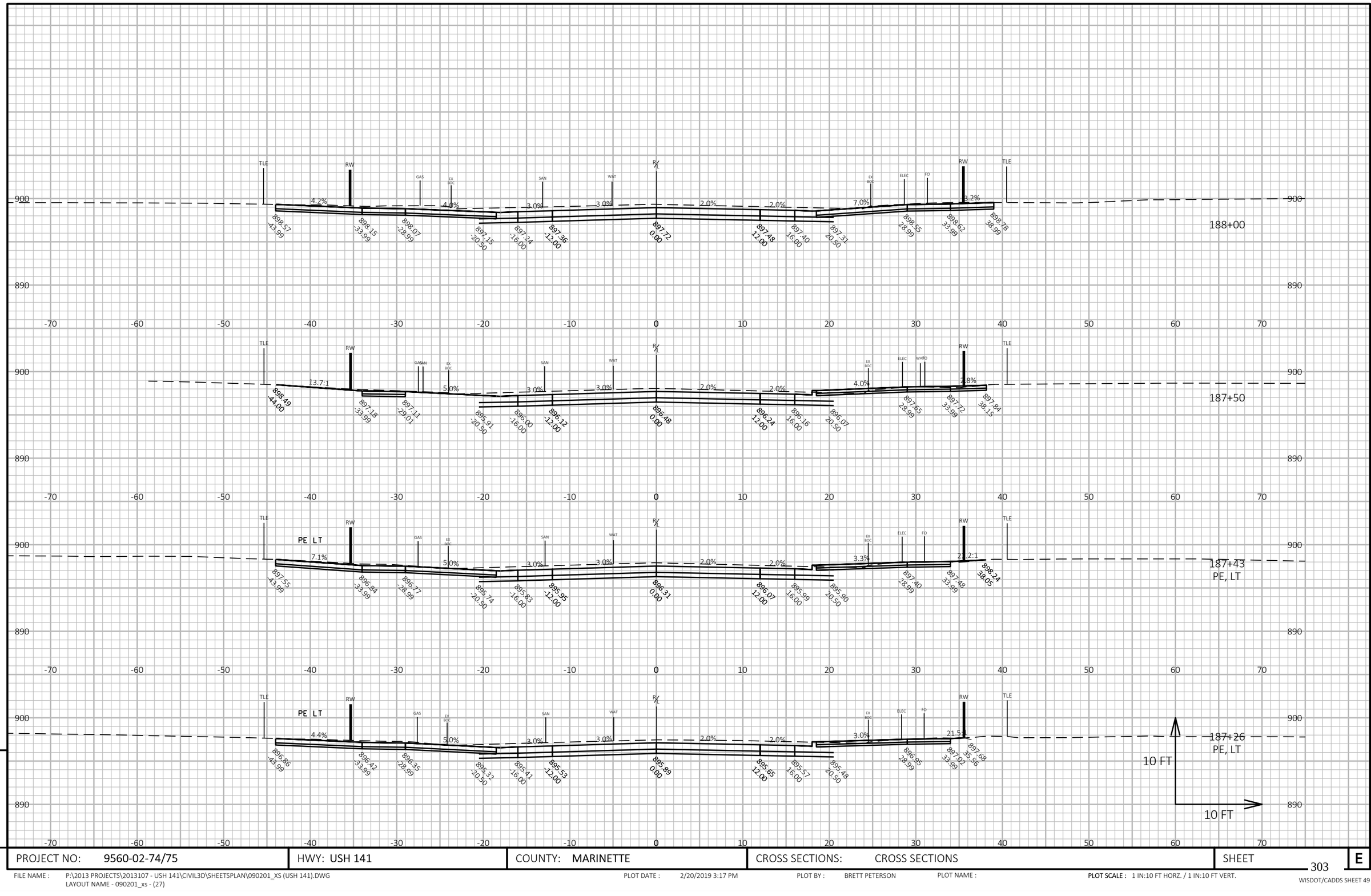


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 302 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (26)

PLOT DATE : 2/20/2019 3:17 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

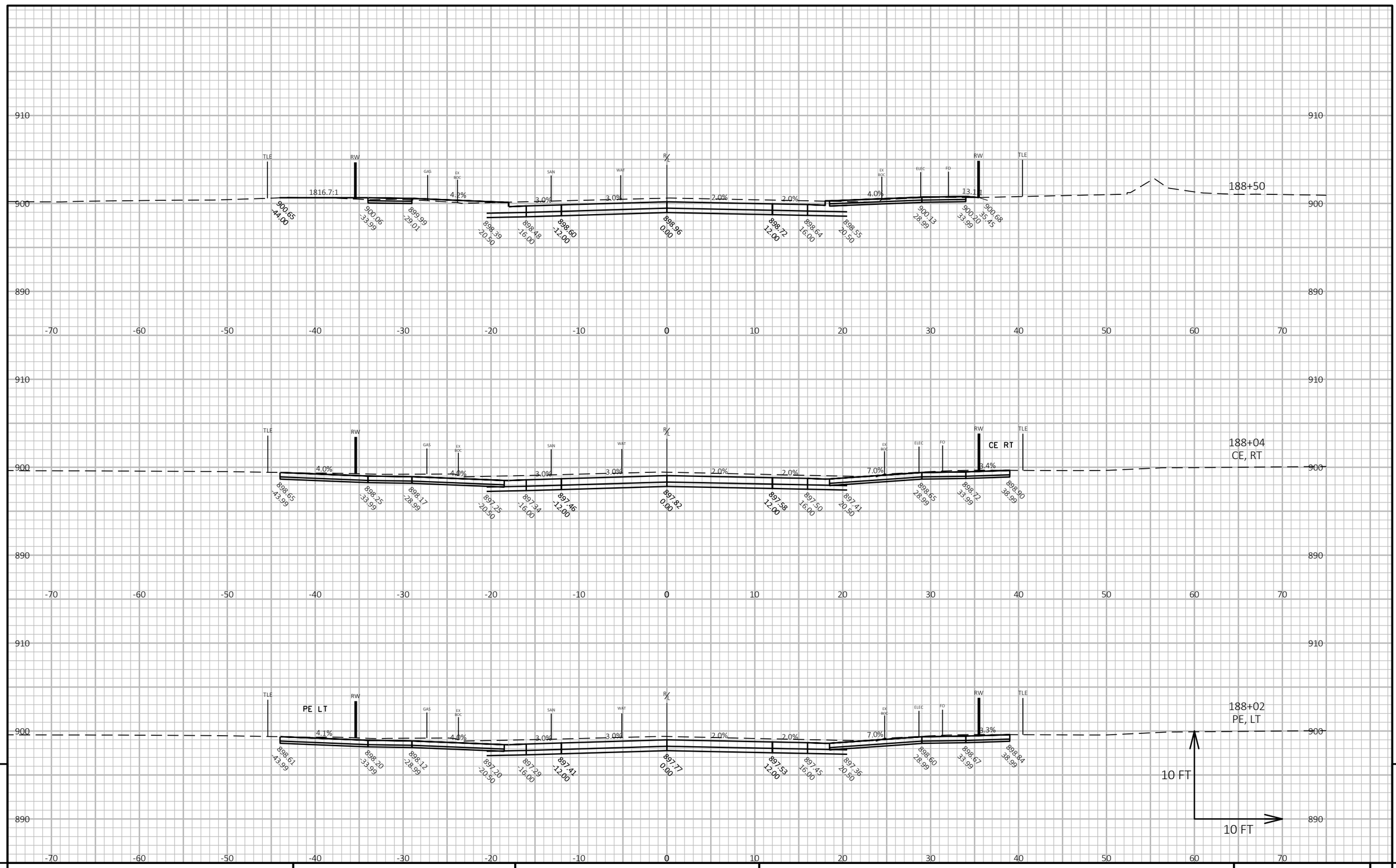


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 303 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (27)

PLOT DATE : 2/20/2019 3:17 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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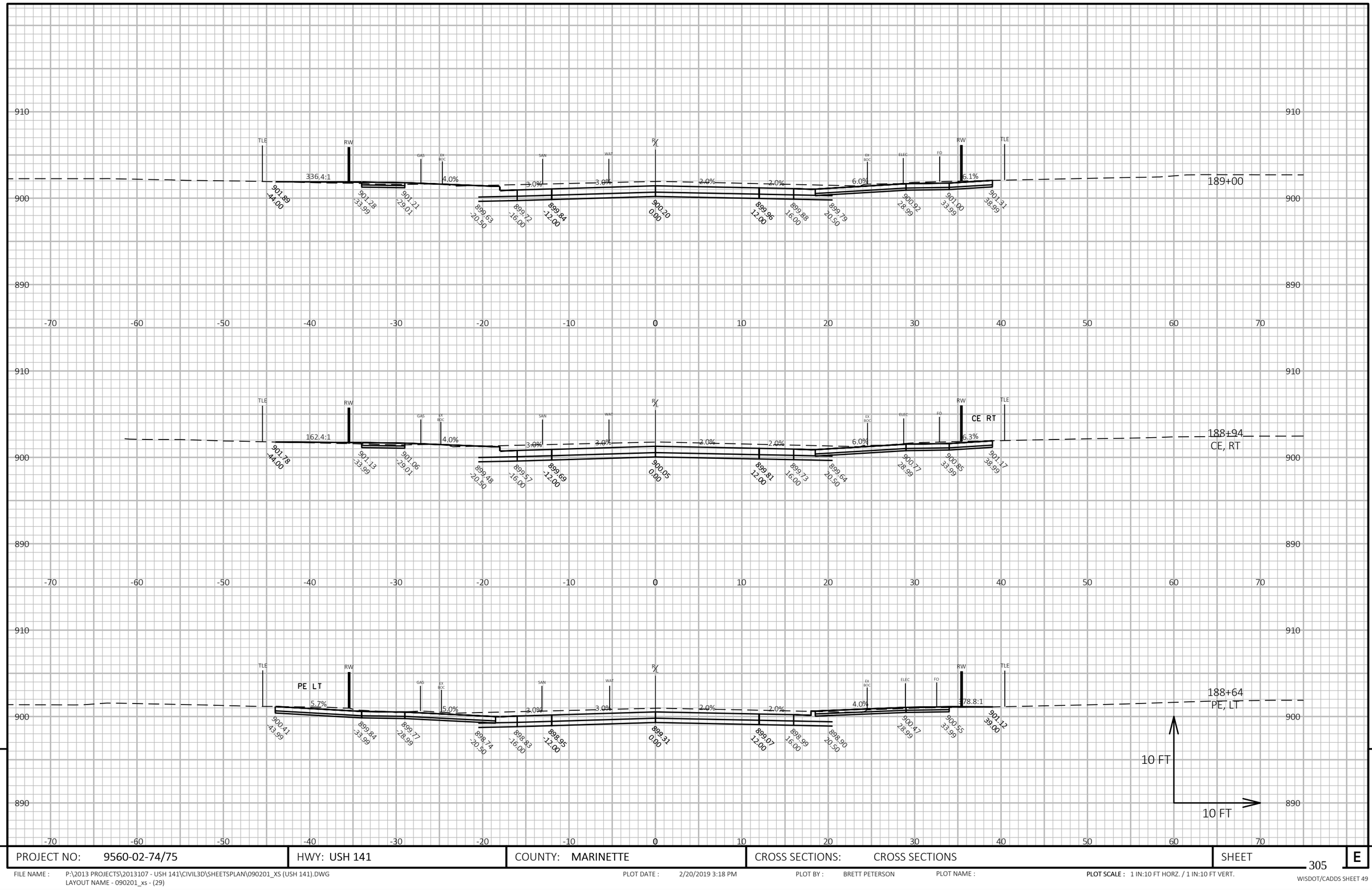
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 304 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (28)

PLOT DATE : 2/20/2019 3:18 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 305	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (29)

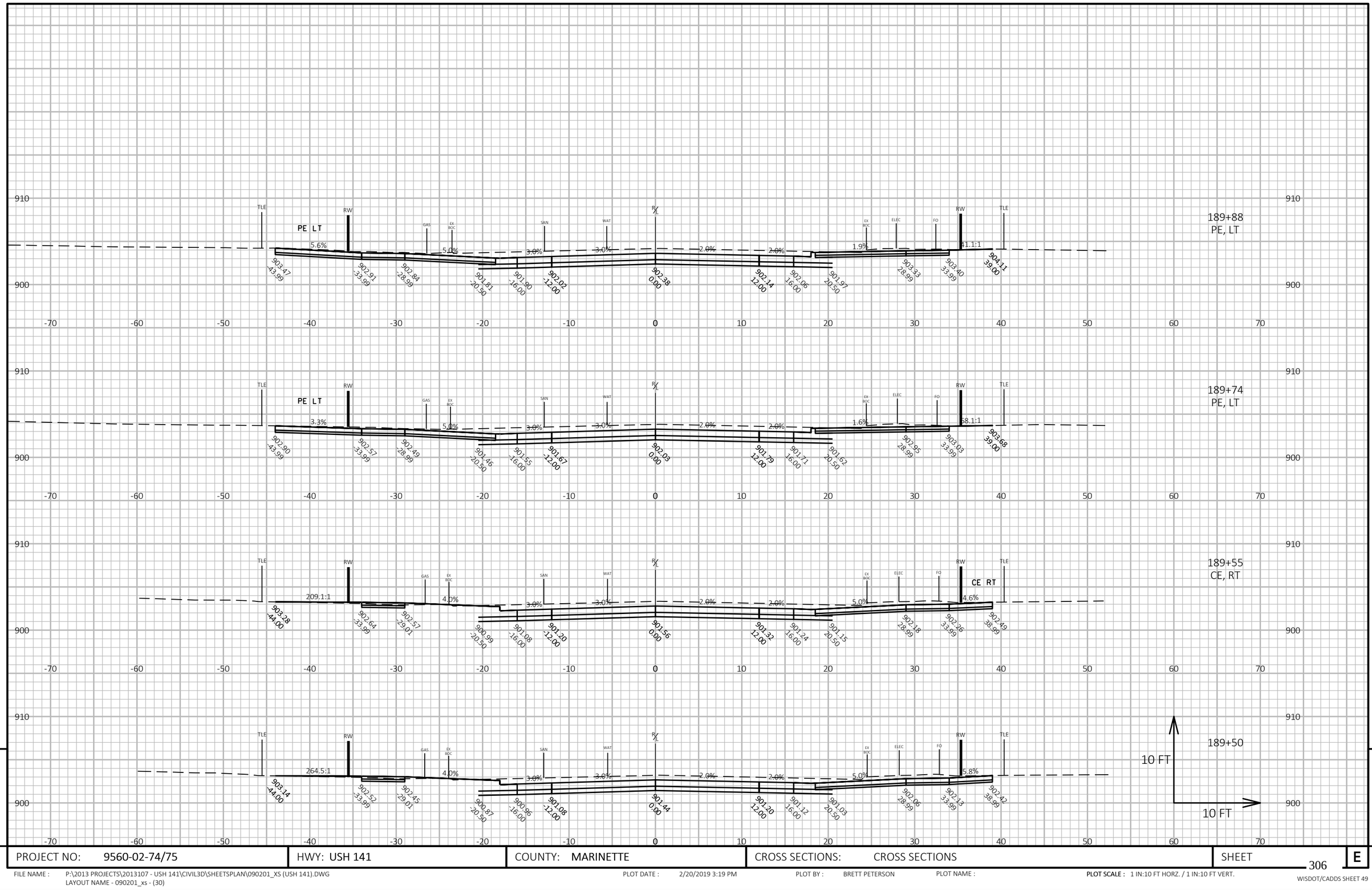
PLOT DATE : 2/20/2019 3:18 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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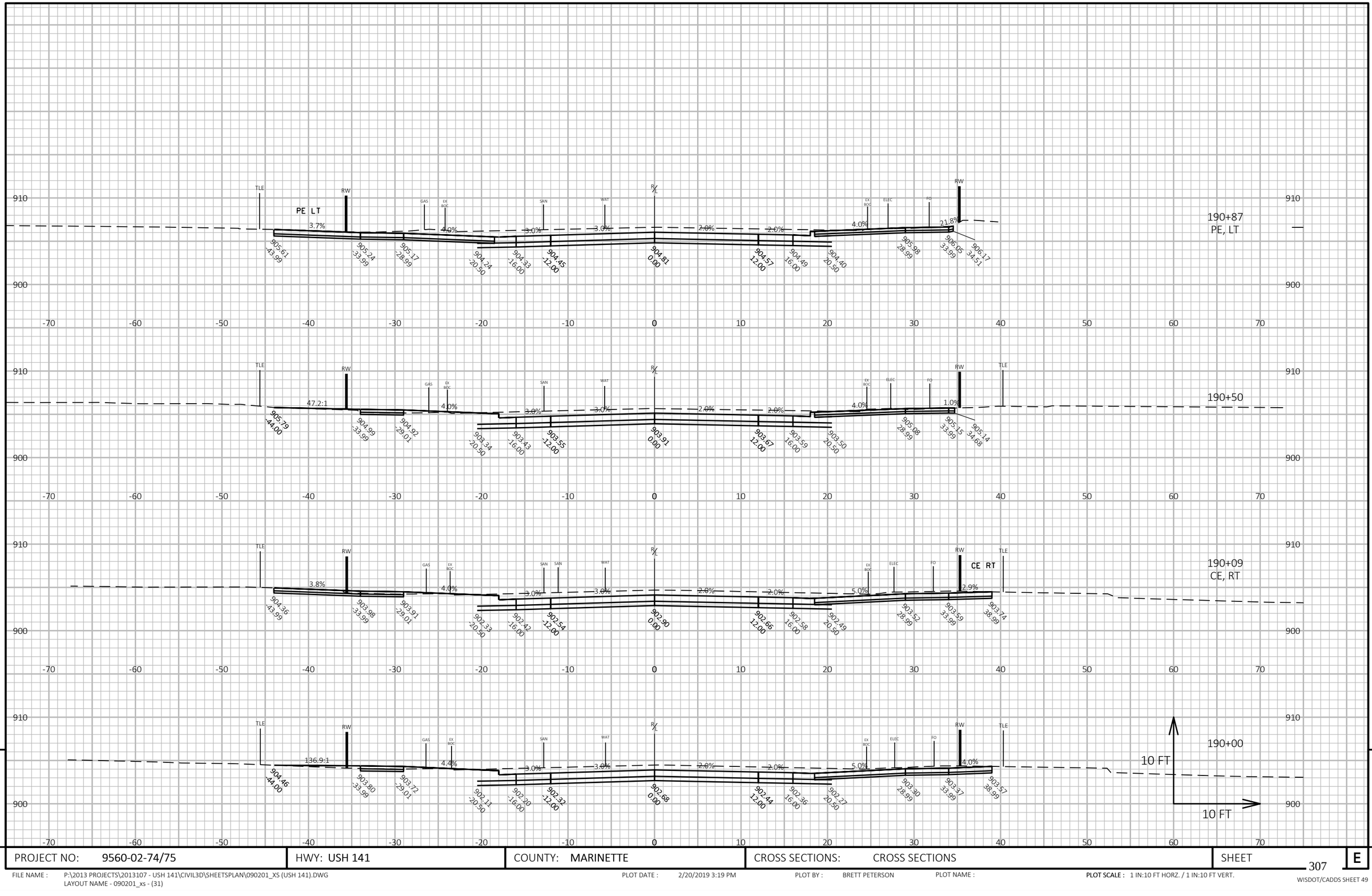
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 306	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (30)

PLOT DATE : 2/20/2019 3:19 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 307	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (31)

PLOT DATE : 2/20/2019 3:19 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 308	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (32)

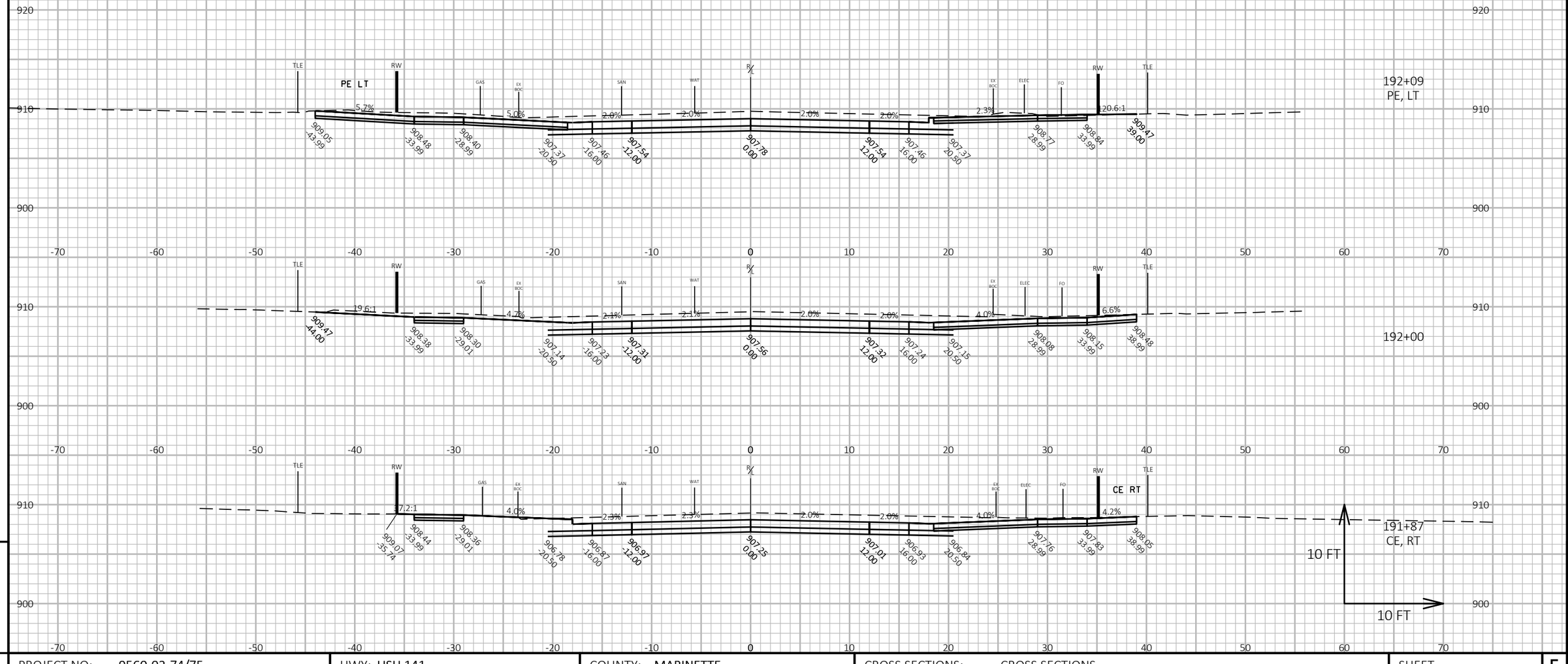
PLOT DATE : 2/20/2019 3:20 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



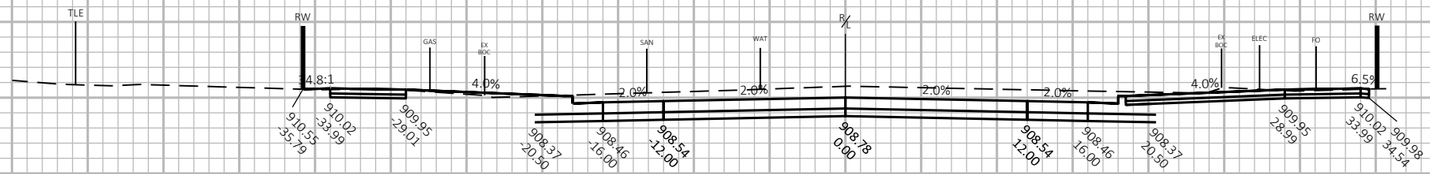
9

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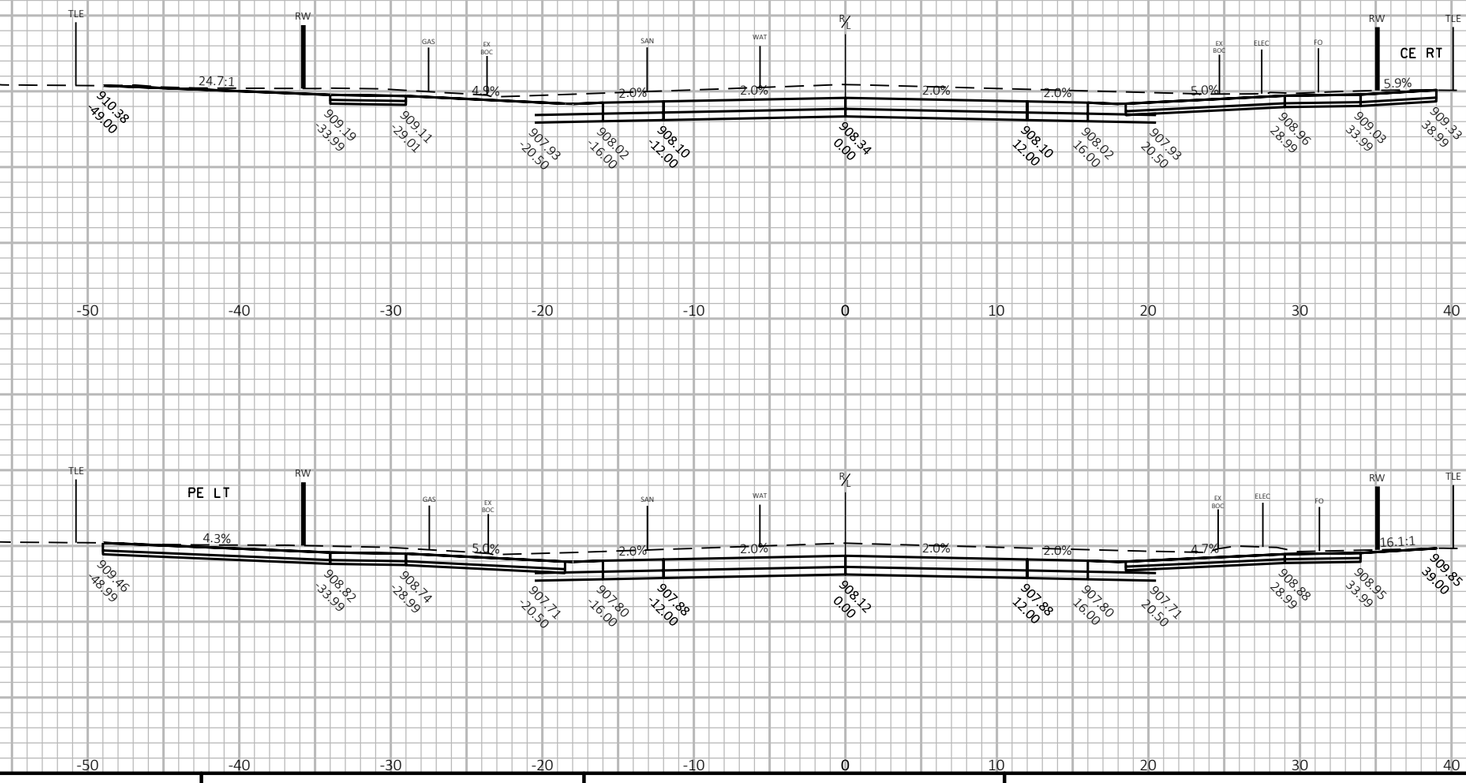
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 309	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (33)

PLOT DATE : 2/20/2019 3:20 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



192+50



192+32
CE, RT

192+23
PE, LT

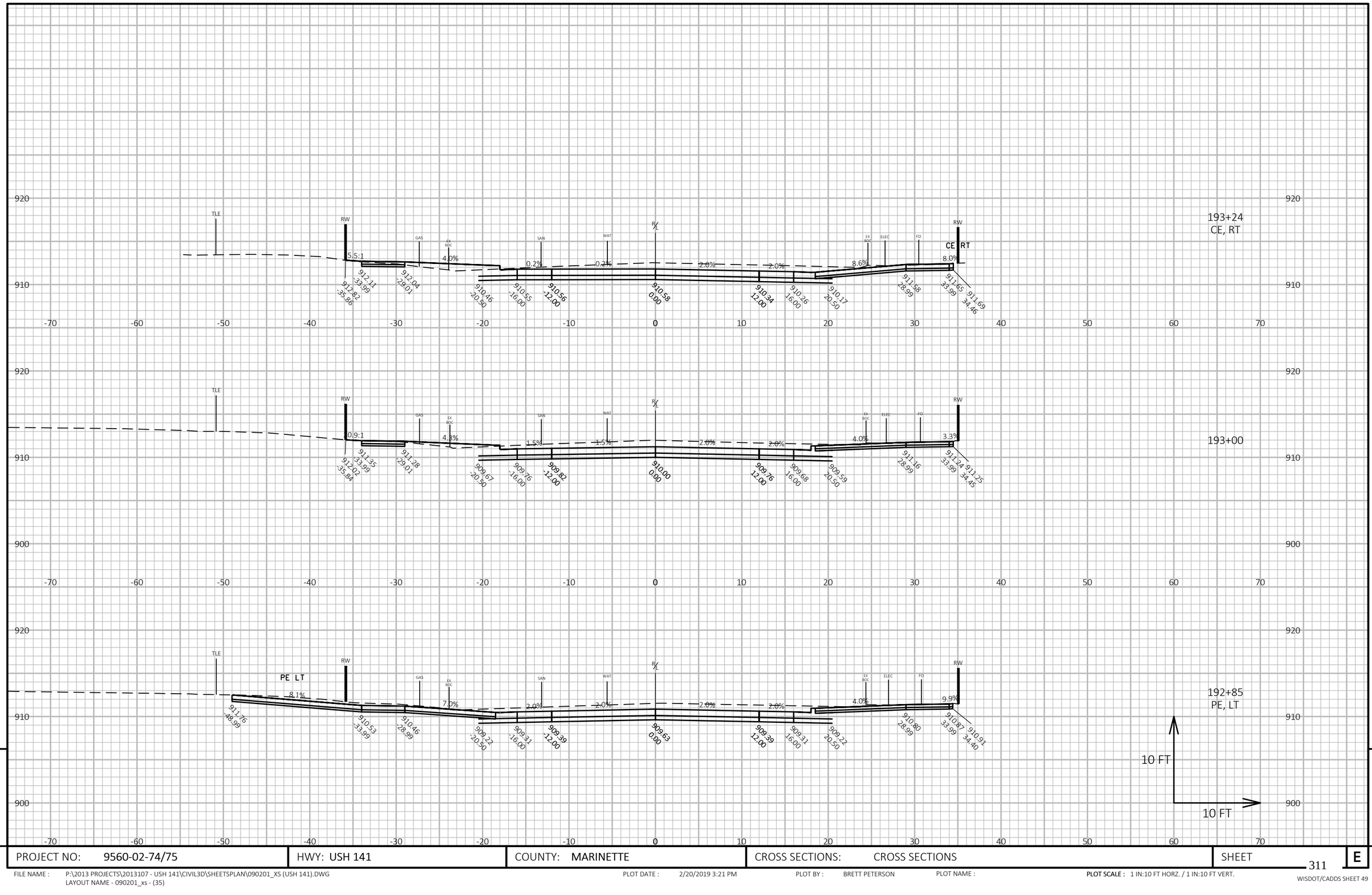
10 FT
10 FT

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 310 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (34)

PLOT DATE : 2/20/2019 3:21 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

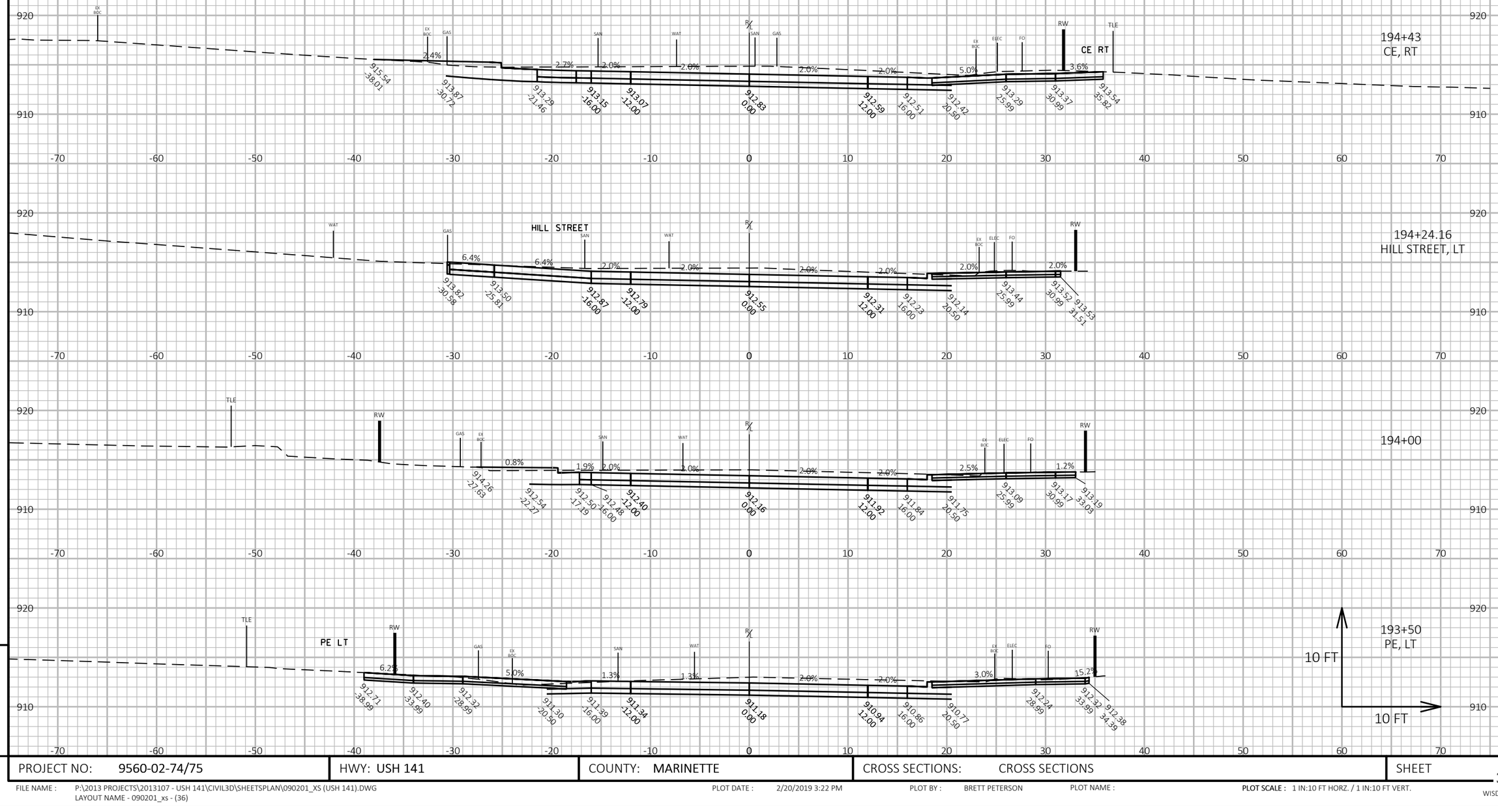


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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 311	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (35)

PLOT DATE : 2/20/2019 3:21 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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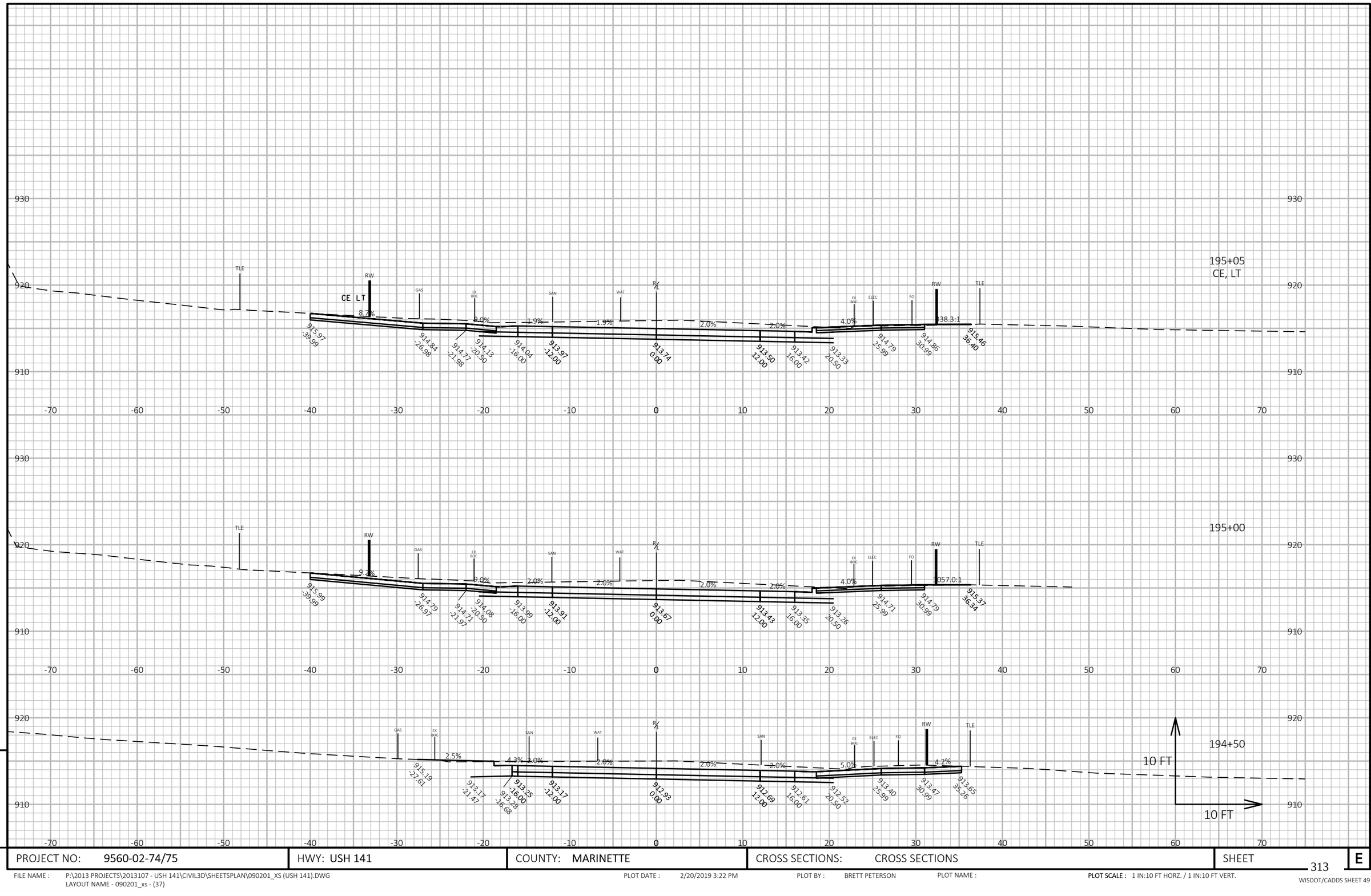
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 312	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (36)

PLOT DATE : 2/20/2019 3:22 PM PLOT BY : BRETT PETERSON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 313	E

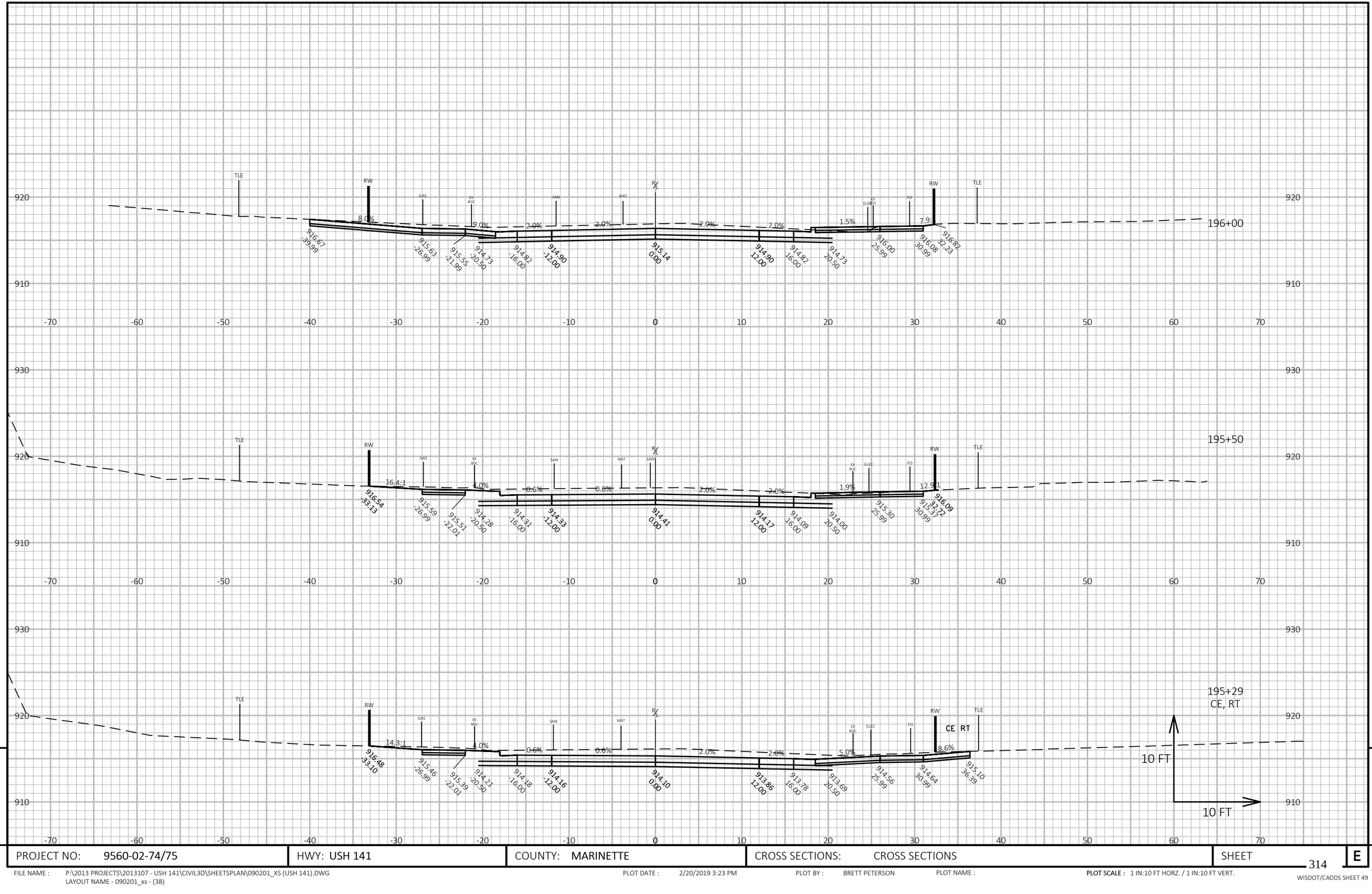
FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (37)

PLOT DATE : 2/20/2019 3:22 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

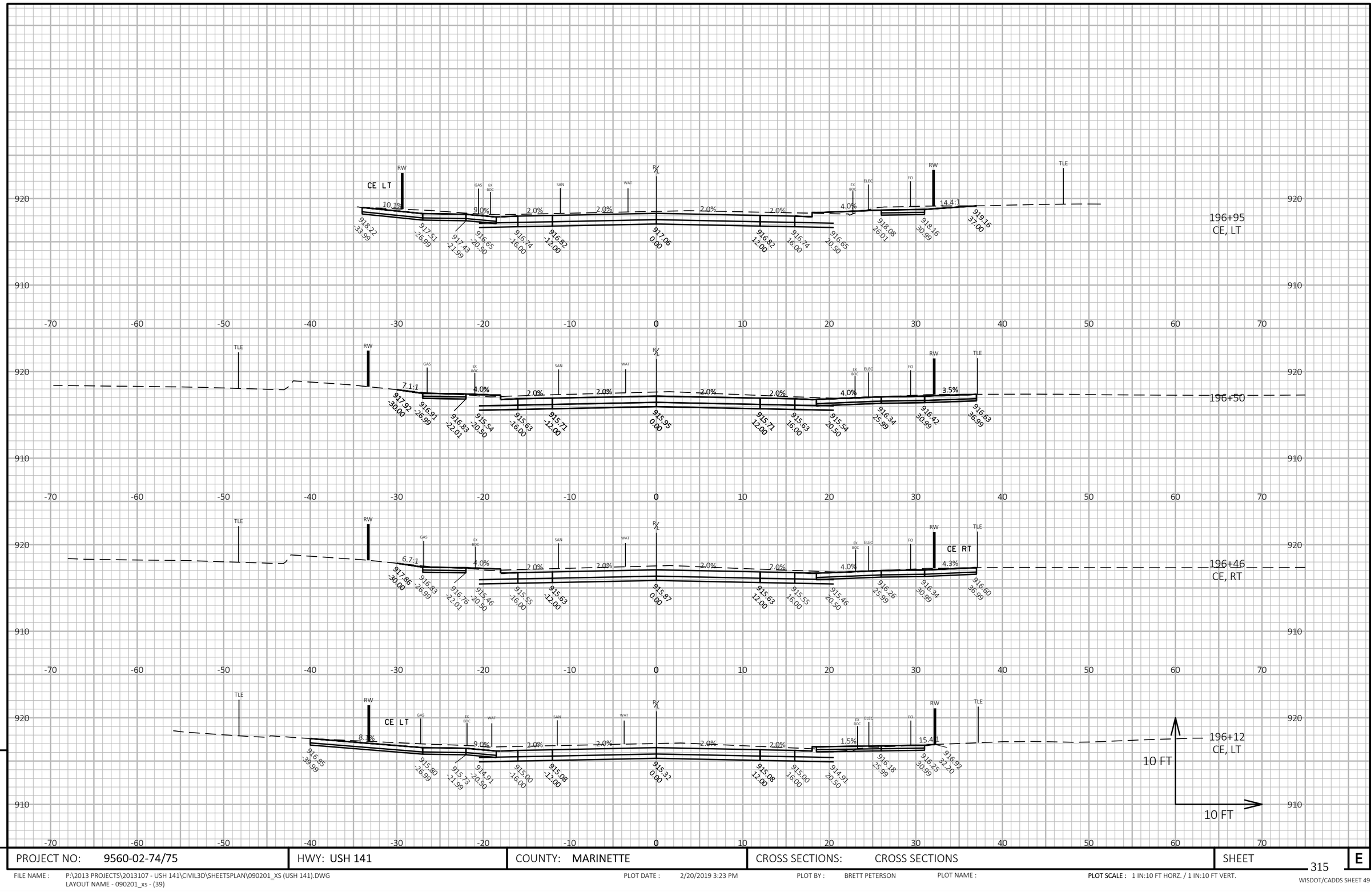


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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 314	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (38)

PLOT DATE : 2/20/2019 3:23 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

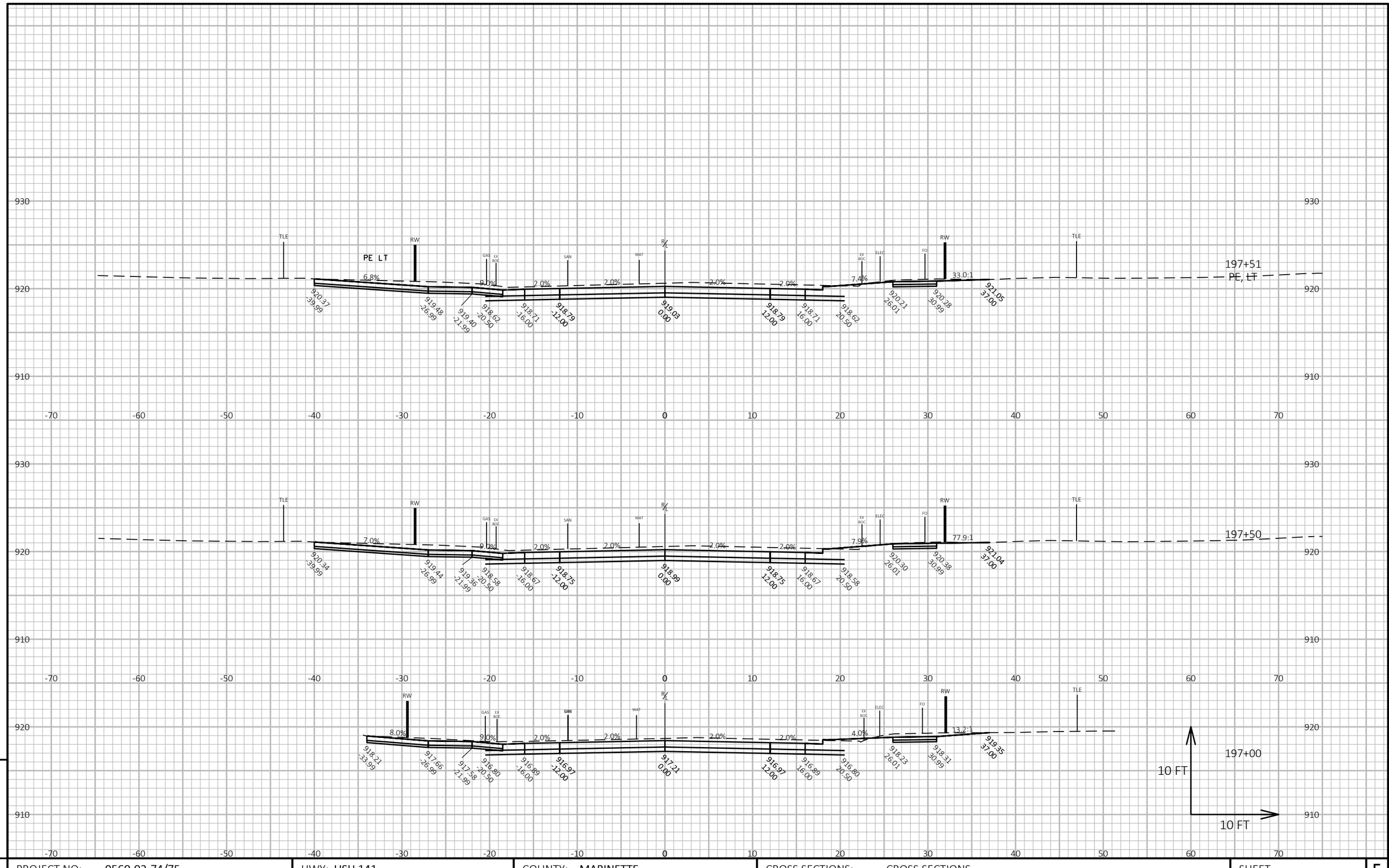
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 315	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (39)

PLOT DATE : 2/20/2019 3:23 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 316	E

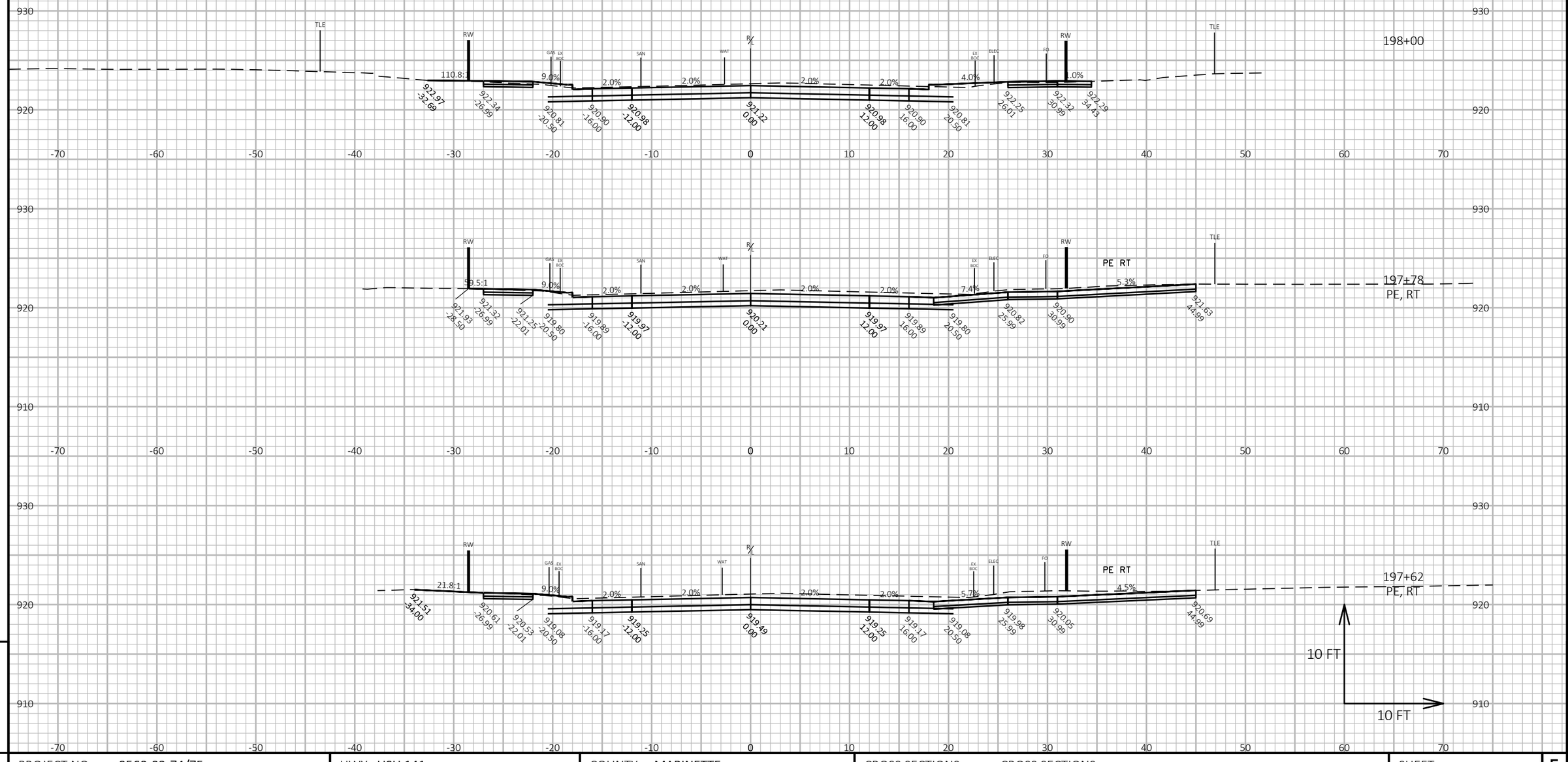
FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (40)

PLOT DATE : 2/20/2019 3:24 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



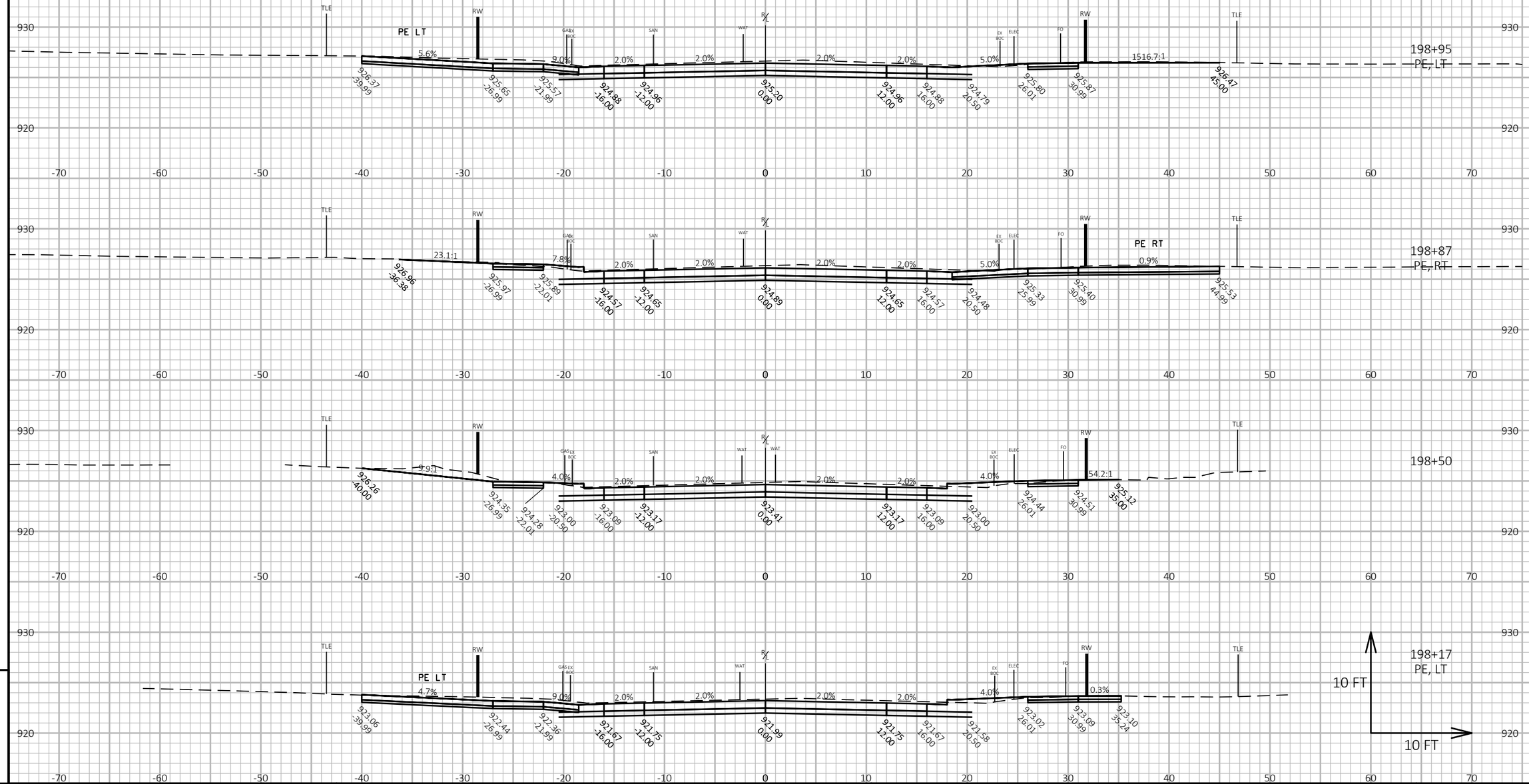
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 317	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (41)

PLOT DATE : 2/20/2019 3:24 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 318 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (42)

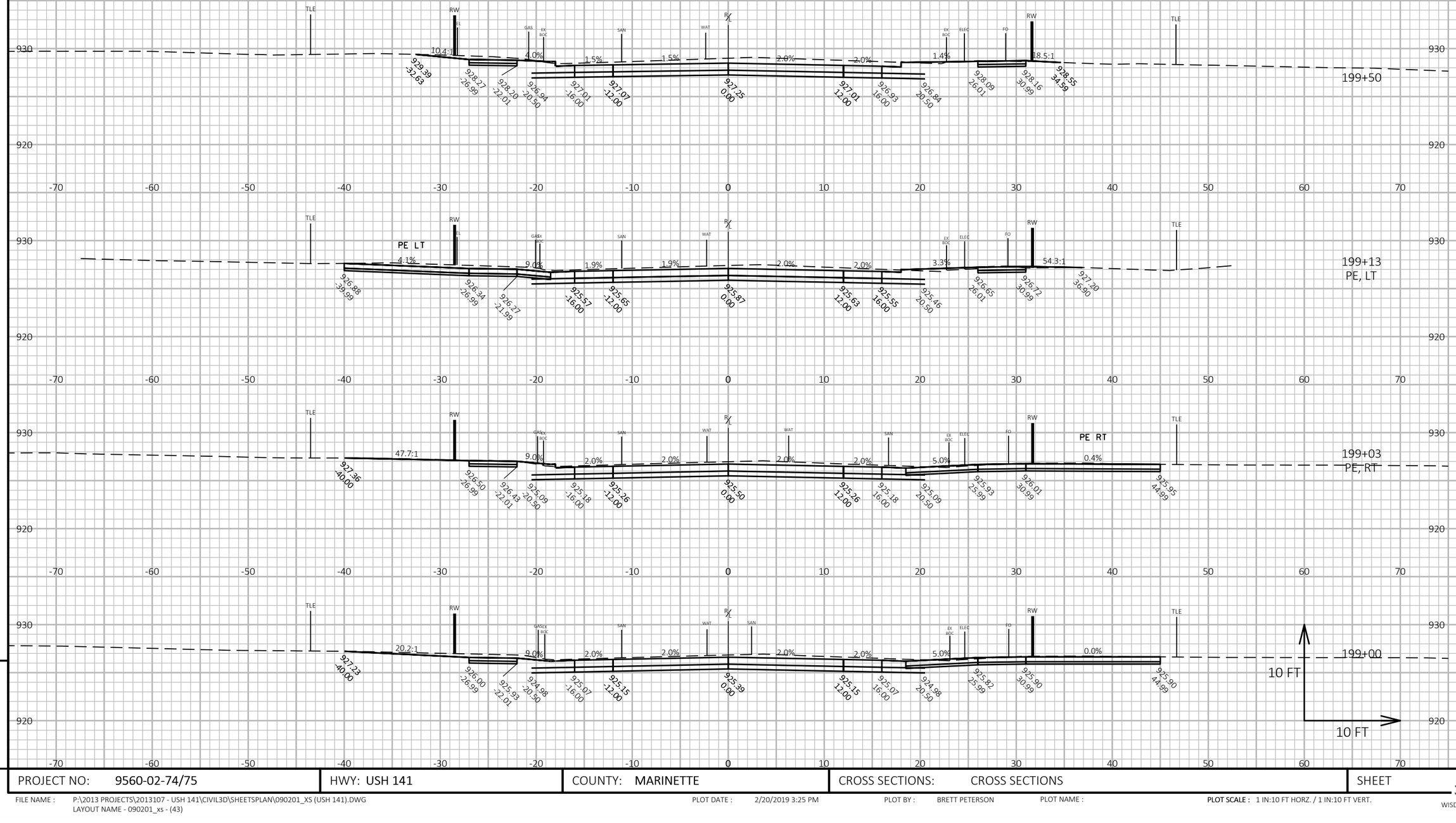
PLOT DATE : 2/20/2019 3:25 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

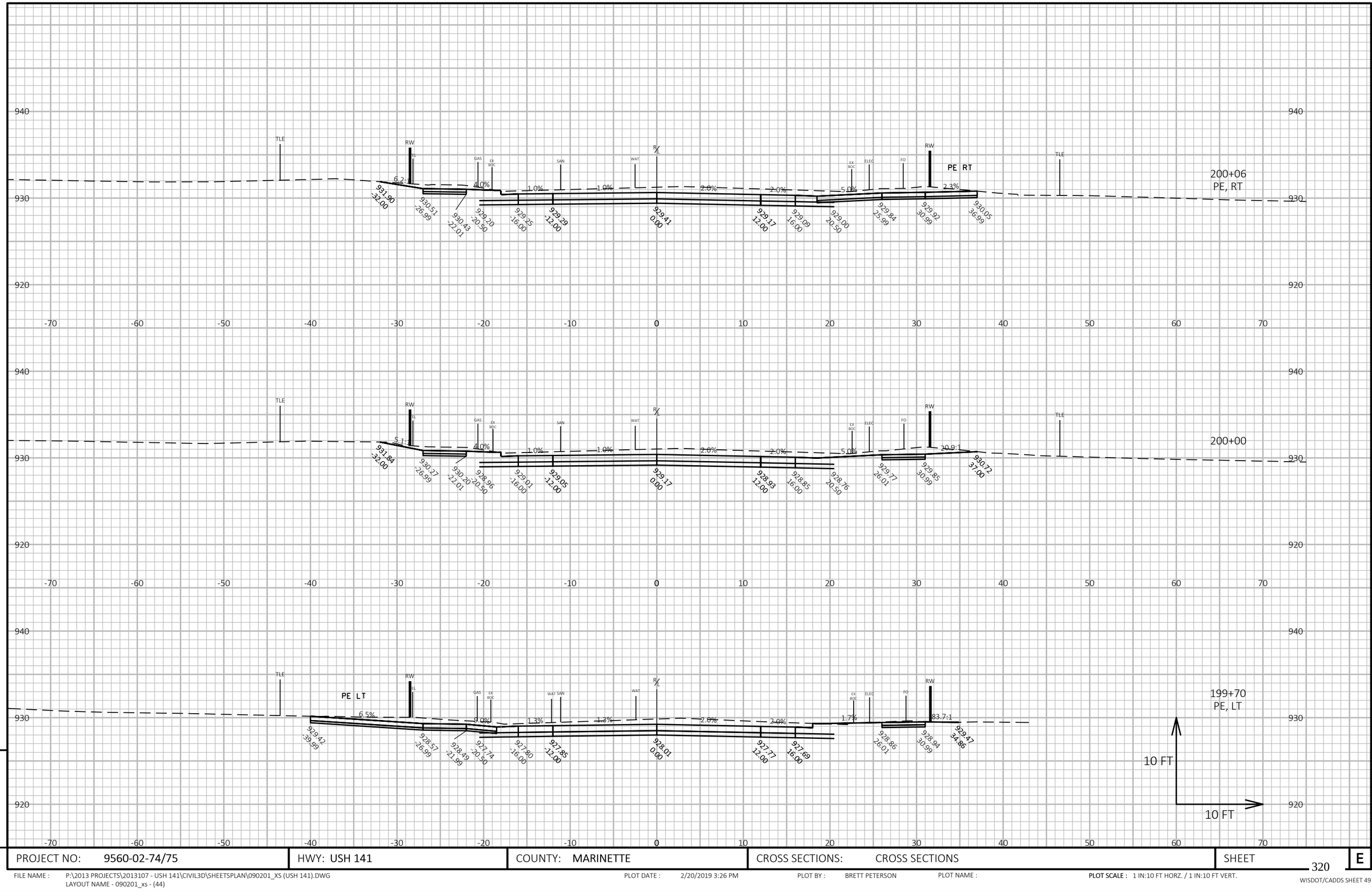


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 319	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (43)

PLOT DATE : 2/20/2019 3:25 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 320	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (44)

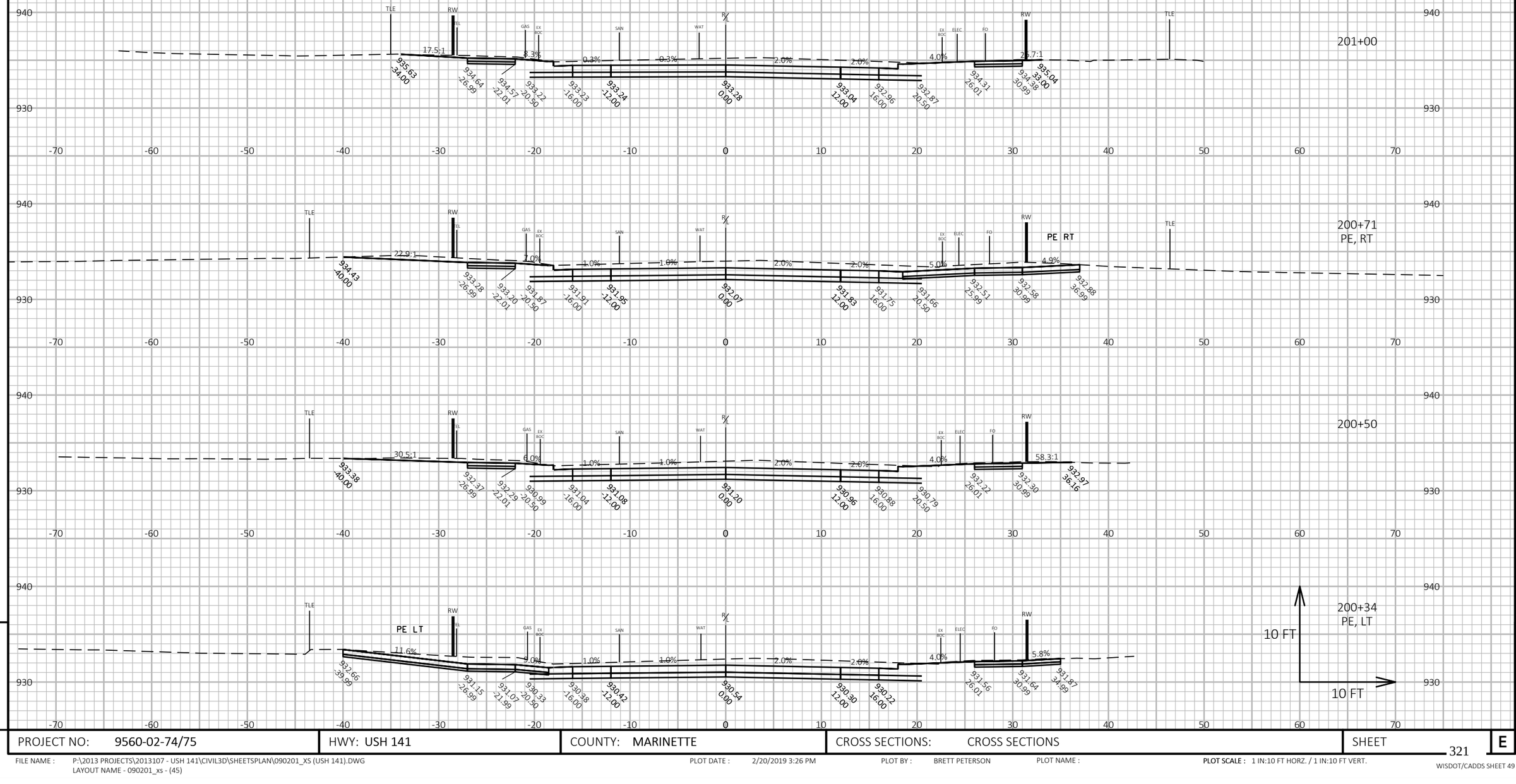
PLOT DATE : 2/20/2019 3:26 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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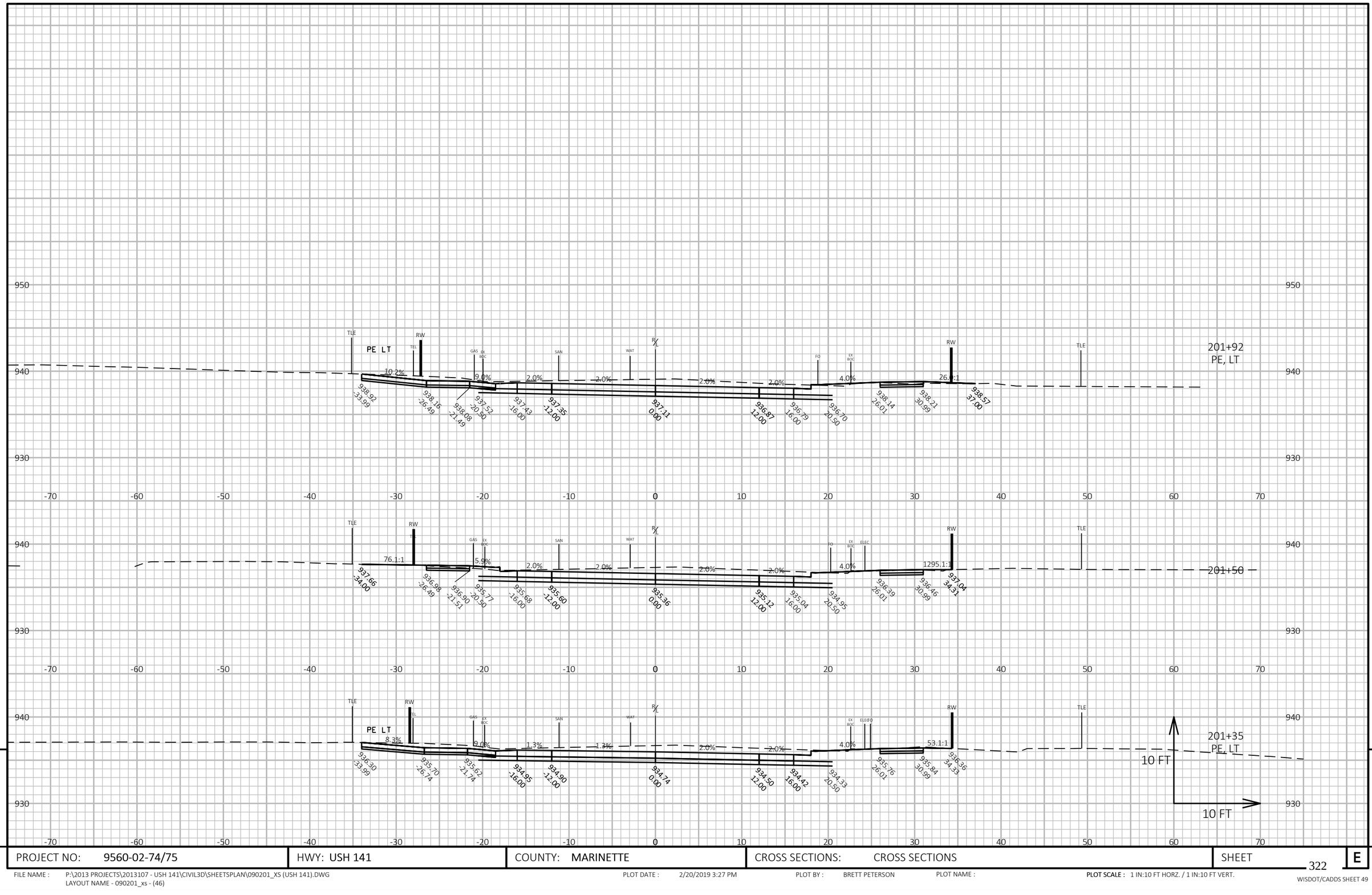
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 321	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (45)

PLOT DATE : 2/20/2019 3:26 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 322	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (46)

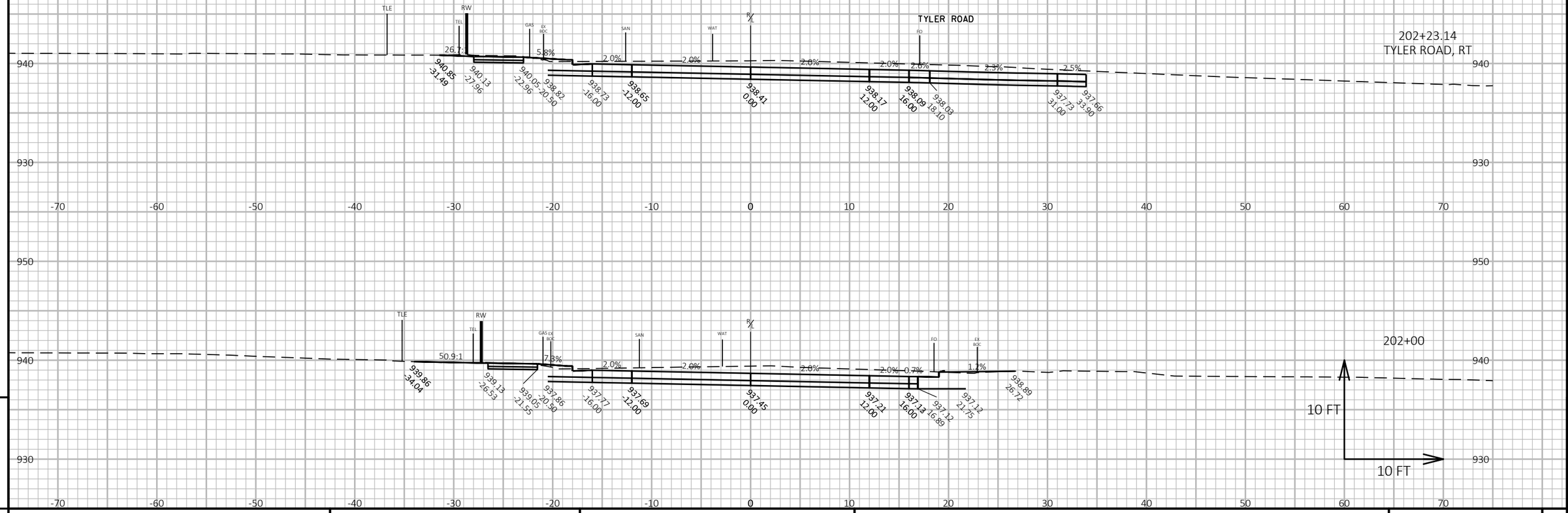
PLOT DATE : 2/20/2019 3:27 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

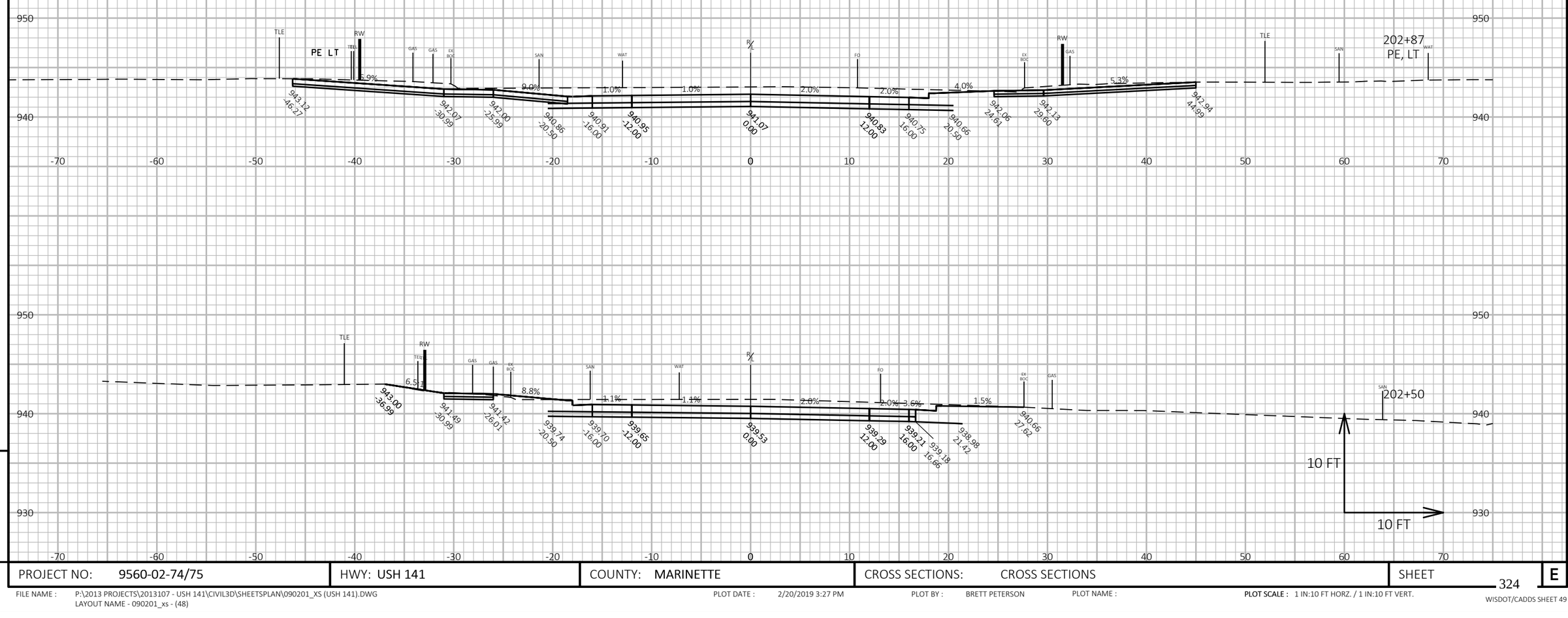


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 323	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (47)

PLOT DATE : 2/20/2019 3:27 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 324	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (48)

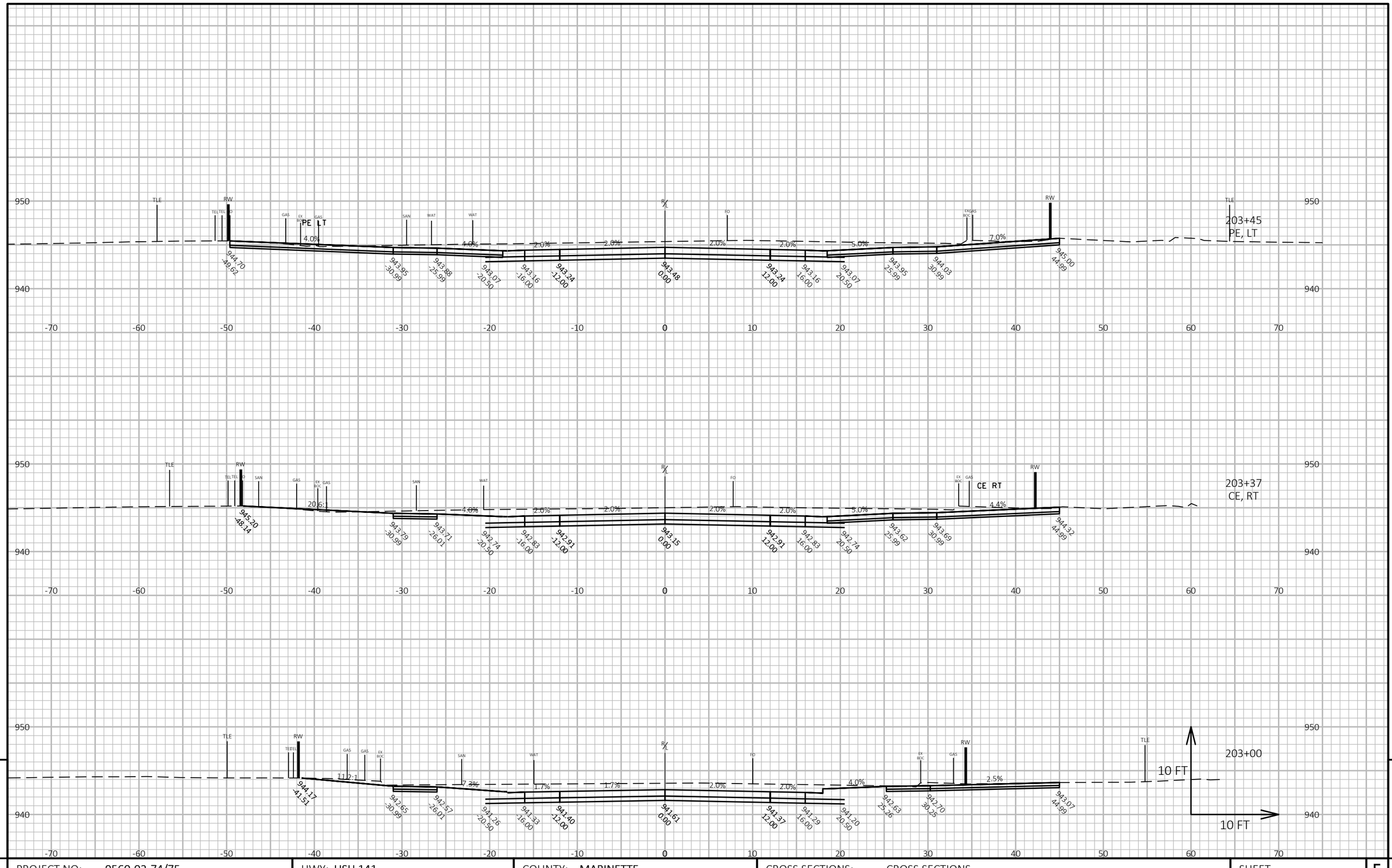
PLOT DATE : 2/20/2019 3:27 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



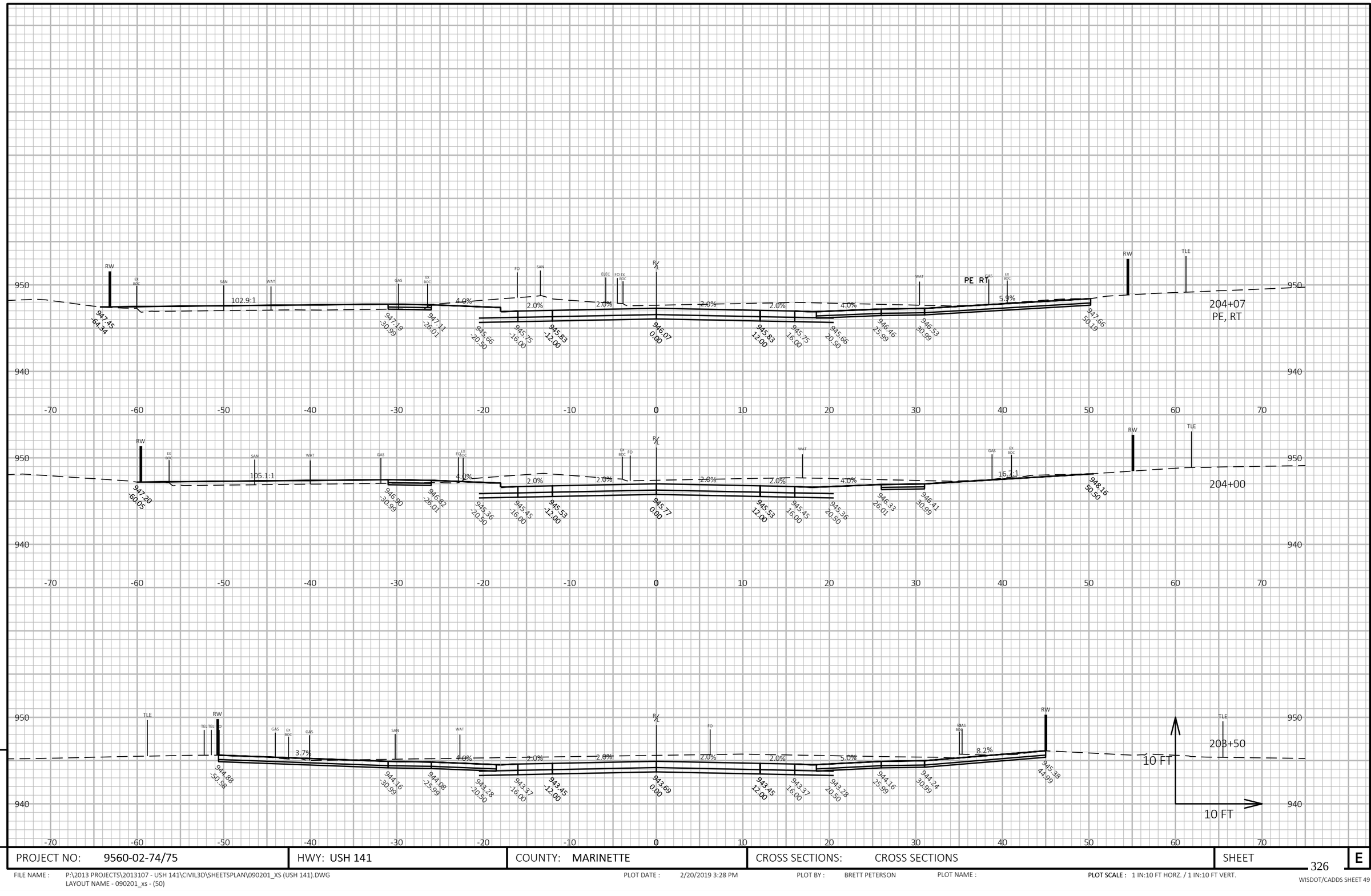
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 325	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (49)

PLOT DATE : 2/20/2019 3:28 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9 9



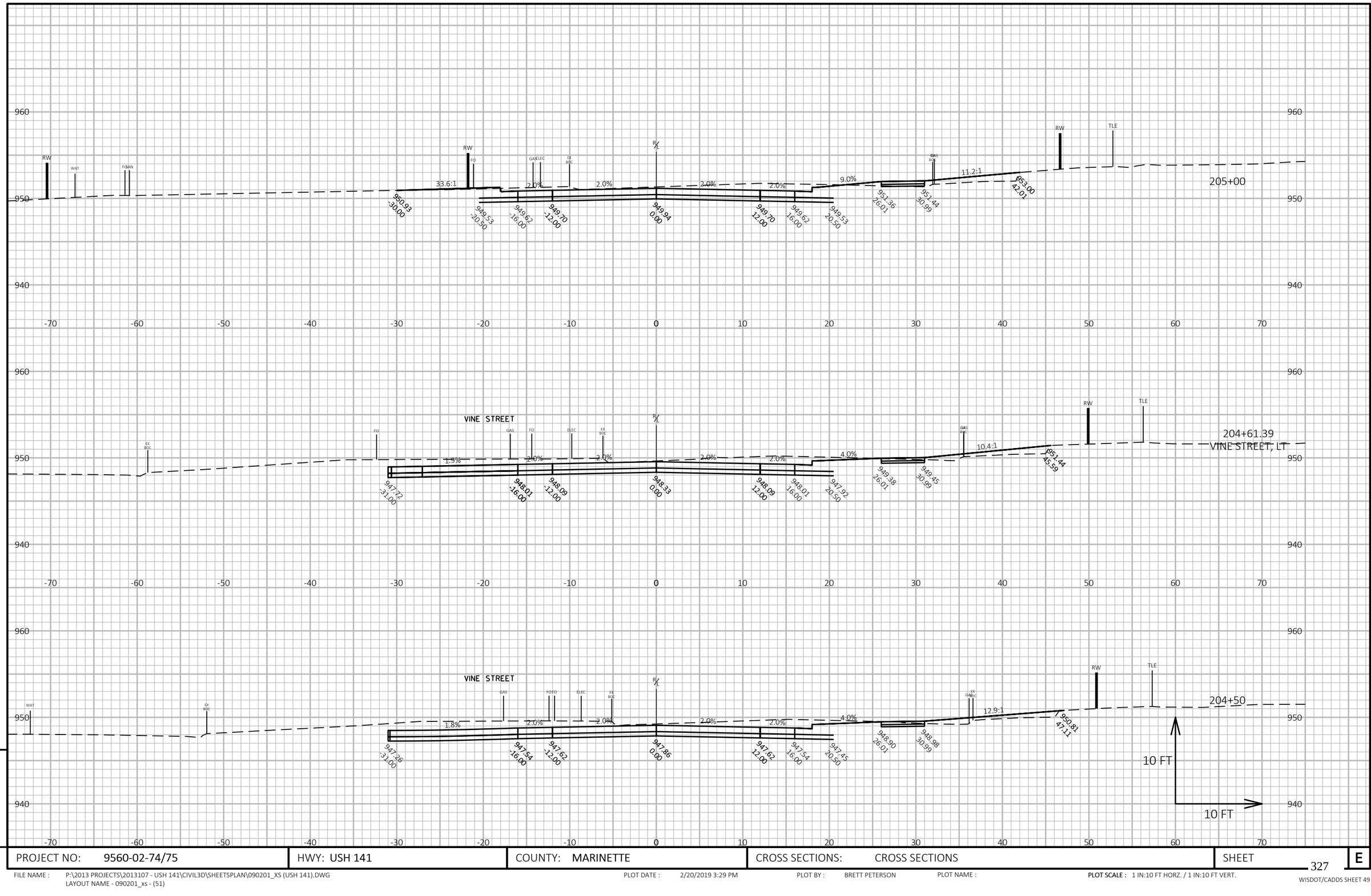
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 326	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (50)

PLOT DATE : 2/20/2019 3:28 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



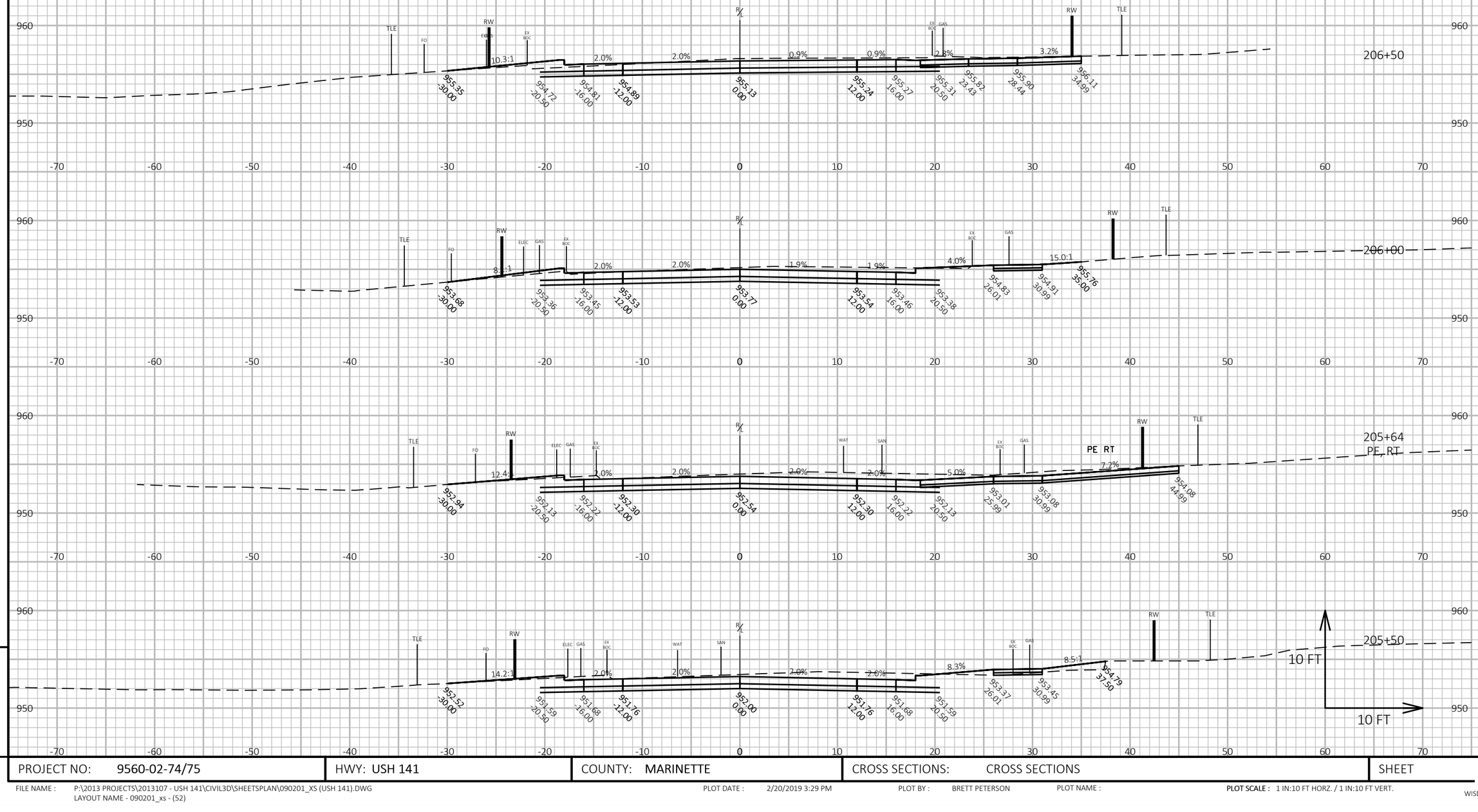
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 327 E

9

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (51)

PLOT DATE : 2/20/2019 3:29 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

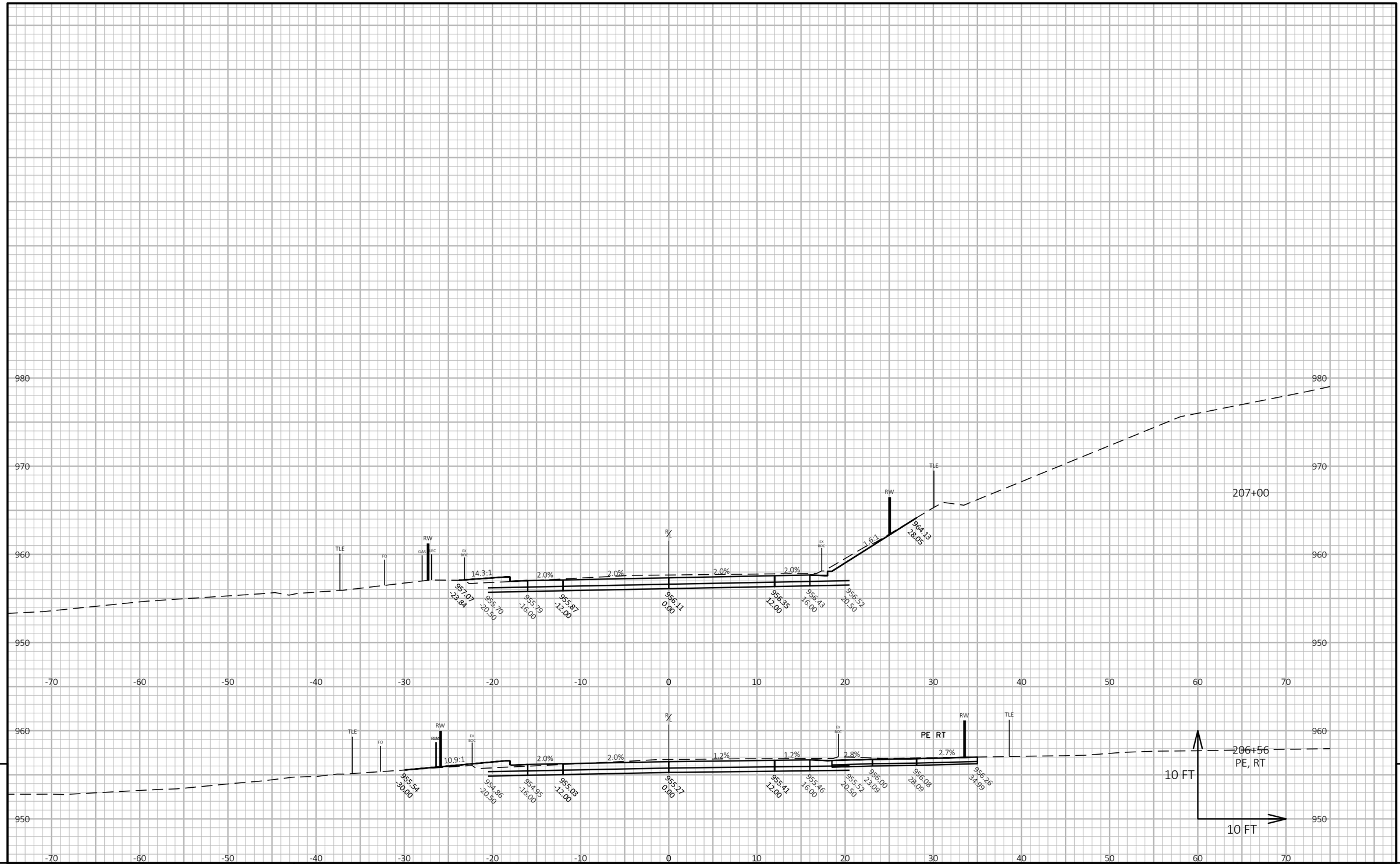


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 328	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (52)

PLOT DATE : 2/20/2019 3:29 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

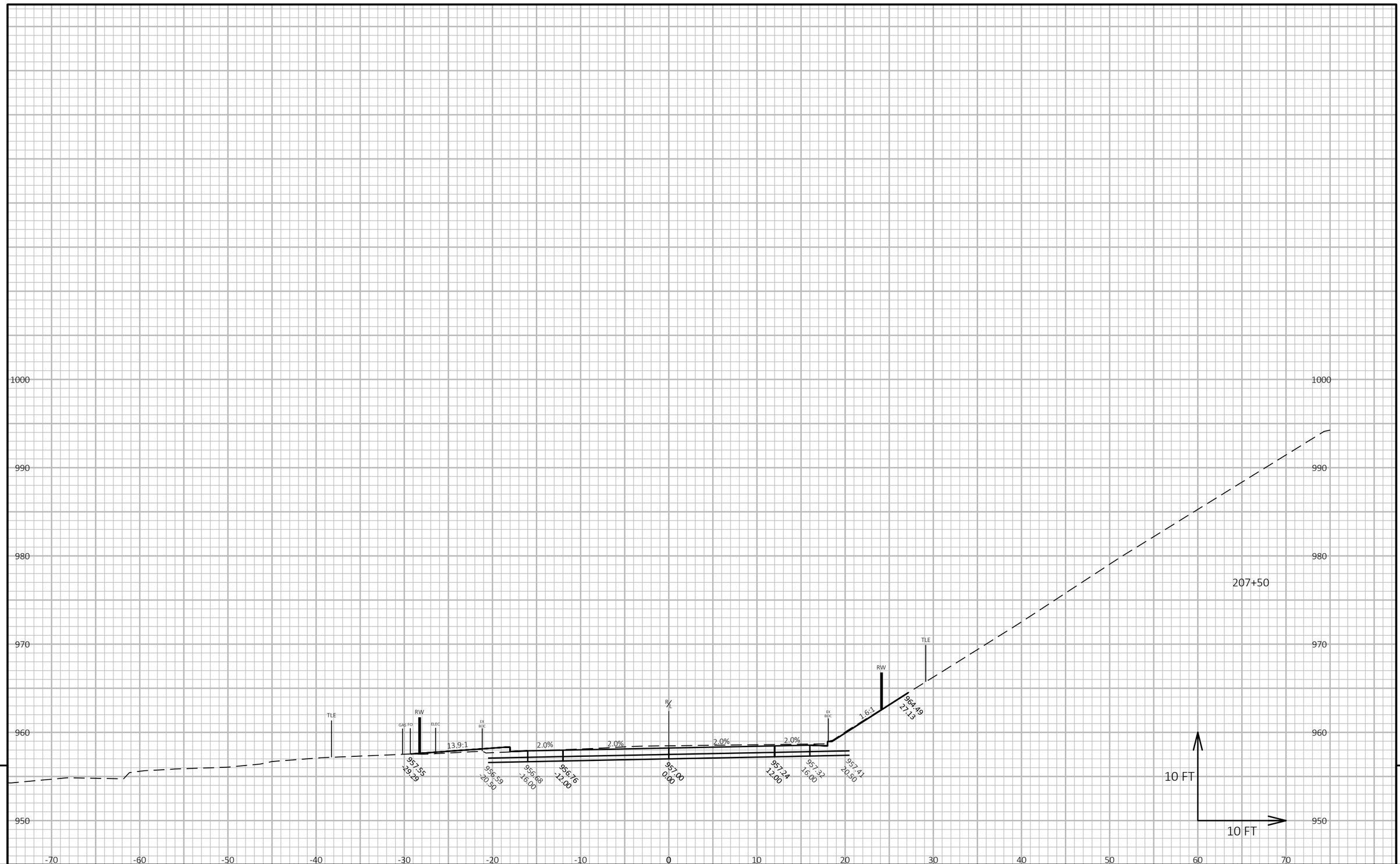


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 329

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (53)

PLOT DATE : 2/20/2019 3:30 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 330 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (54)

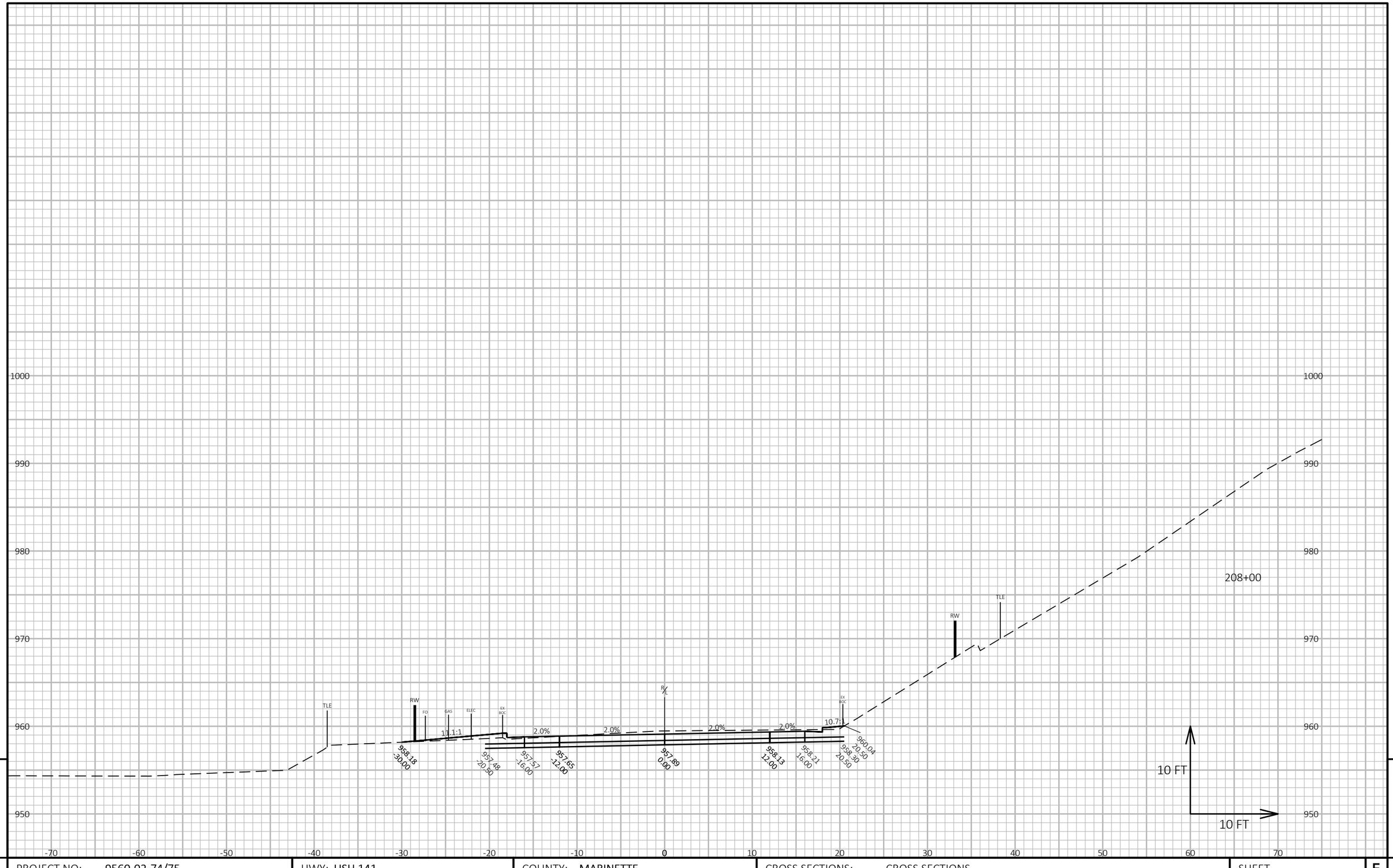
PLOT DATE : 2/20/2019 3:30 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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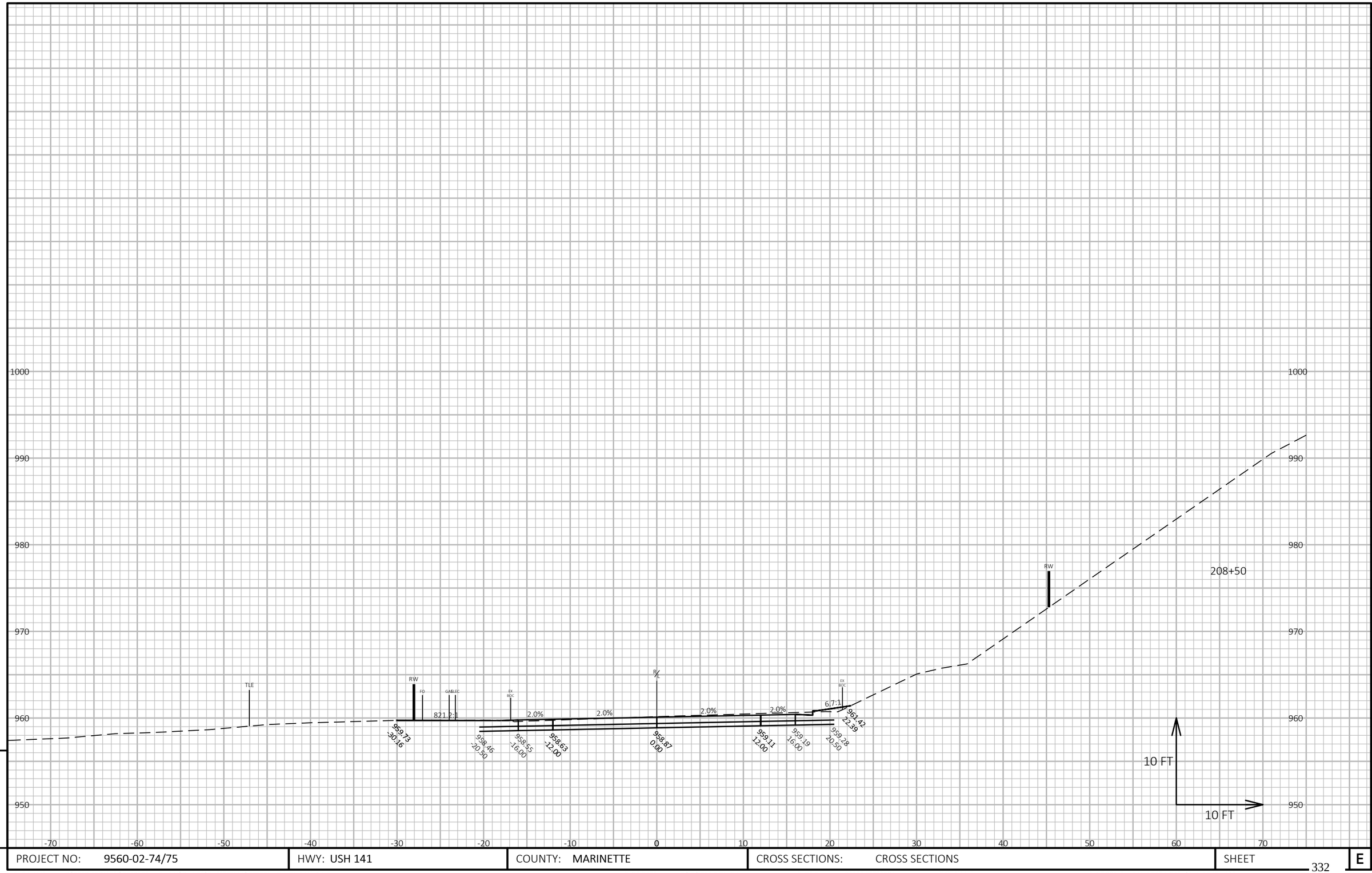
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 331	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (55)

PLOT DATE : 2/20/2019 3:31 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 332 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (56)

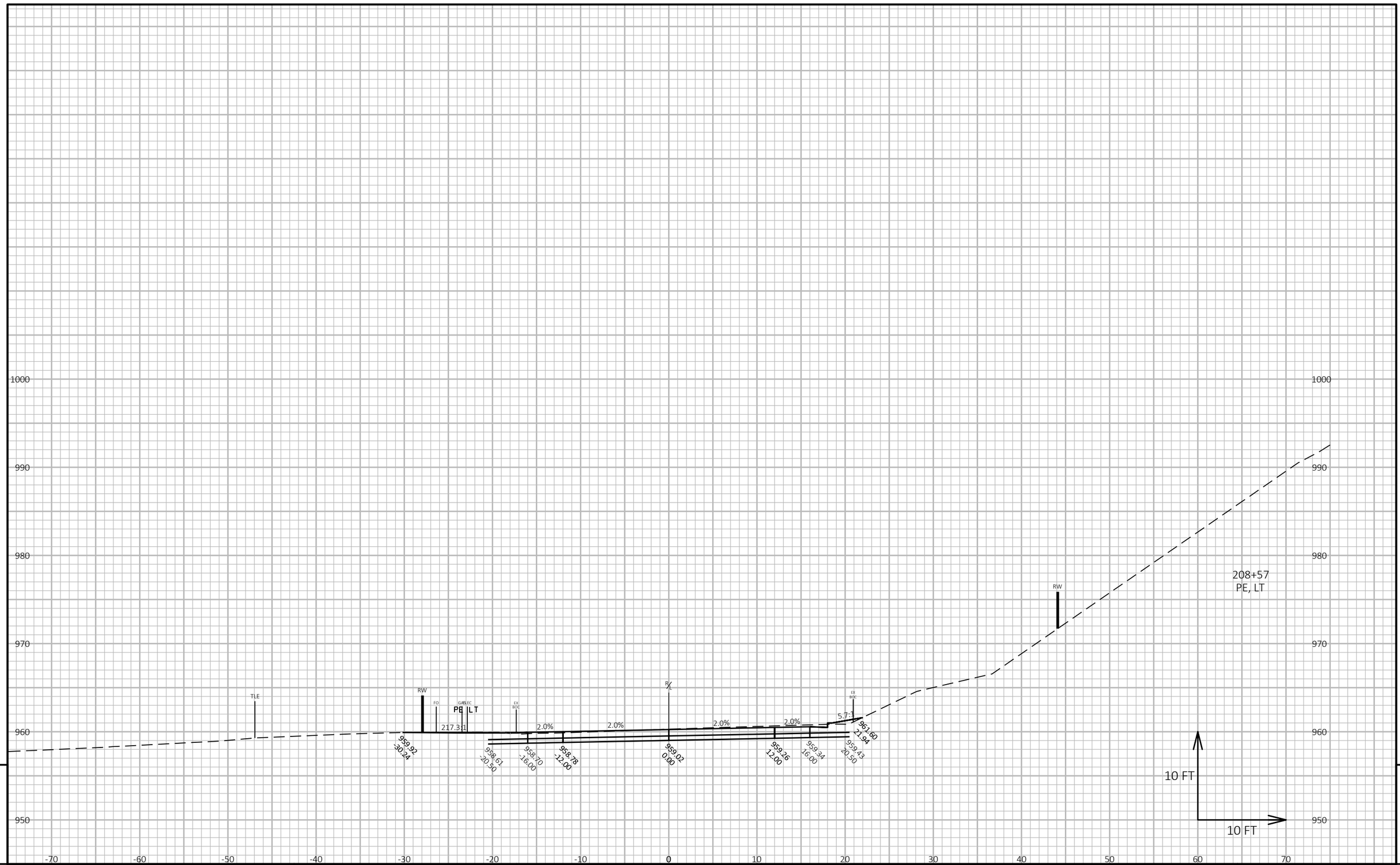
PLOT DATE : 2/20/2019 3:31 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 333 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (57)

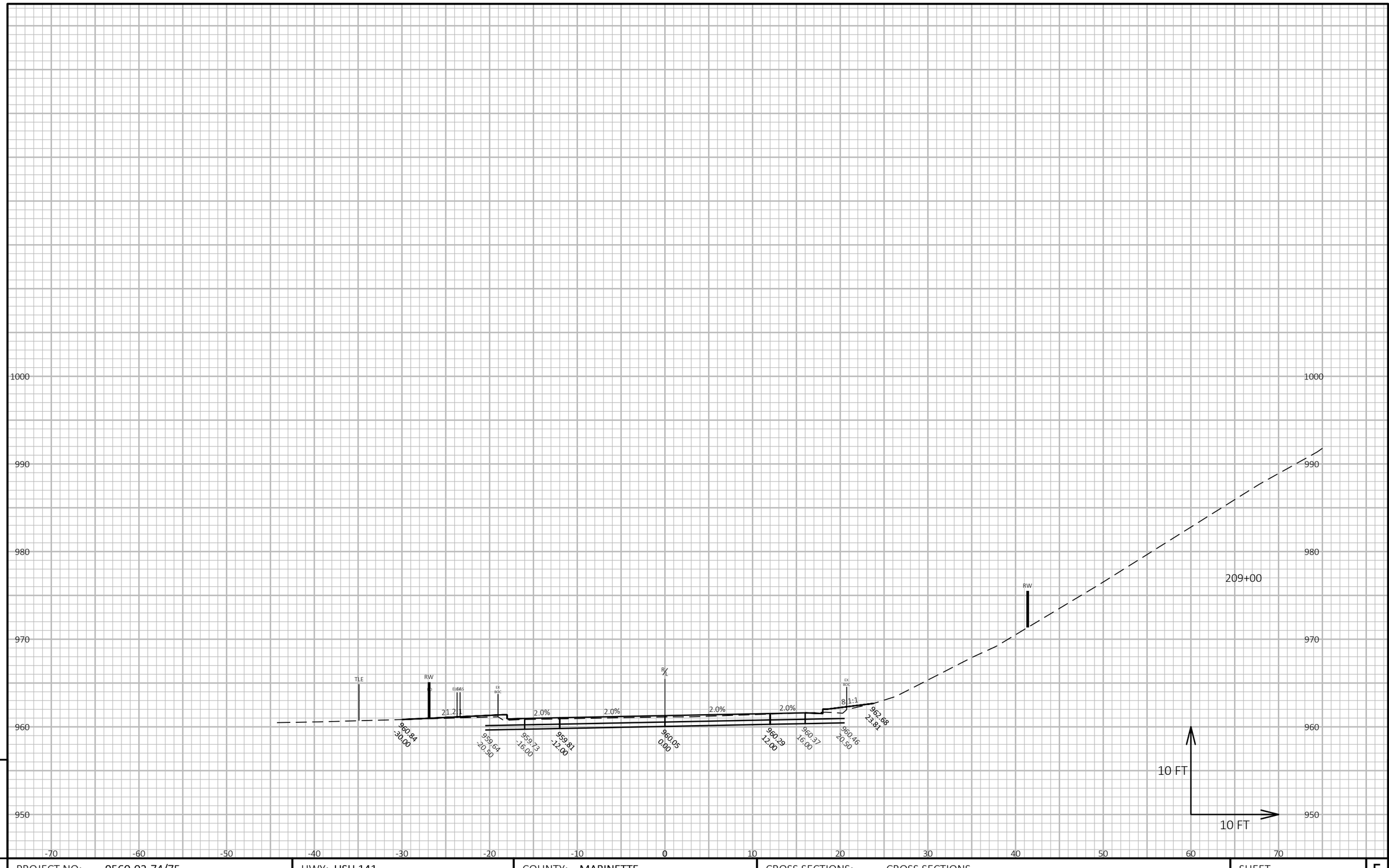
PLOT DATE : 2/20/2019 3:32 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

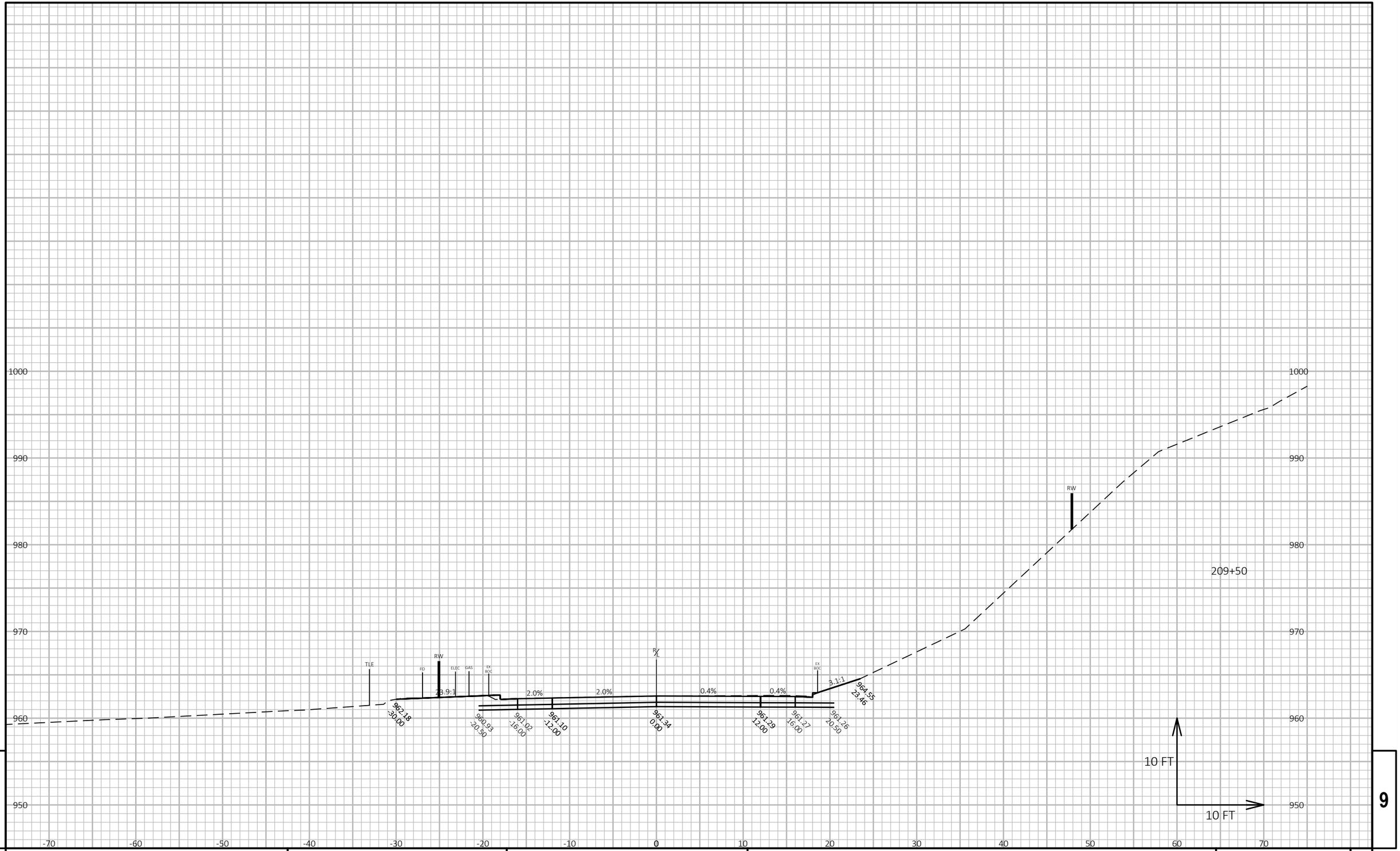
9

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 334	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (58)

PLOT DATE : 2/20/2019 3:32 PM PLOT BY : BRETT PETERSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

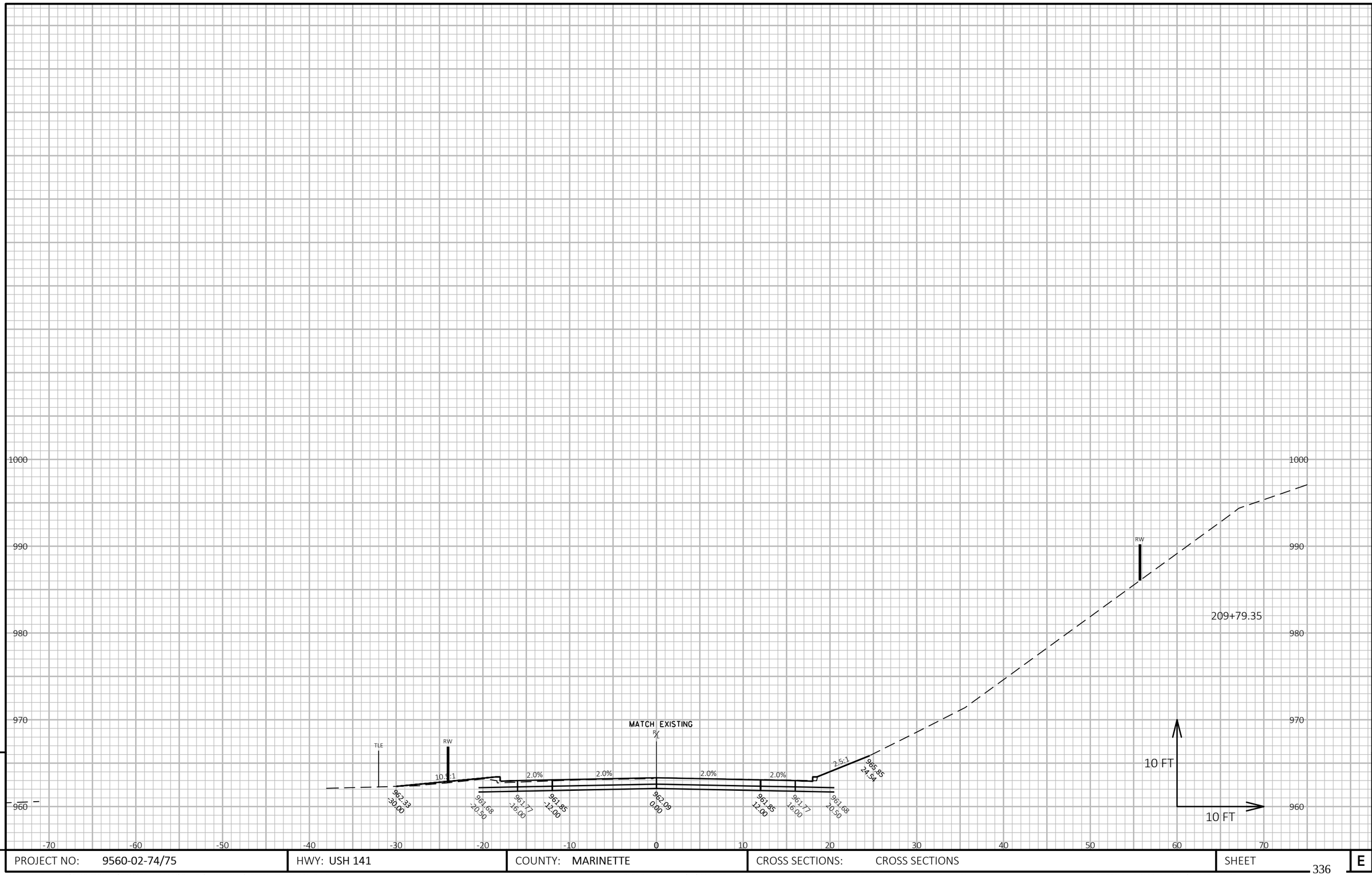
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 335	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (59)

PLOT DATE : 2/20/2019 3:33 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CROSS SECTIONS	SHEET 336	E

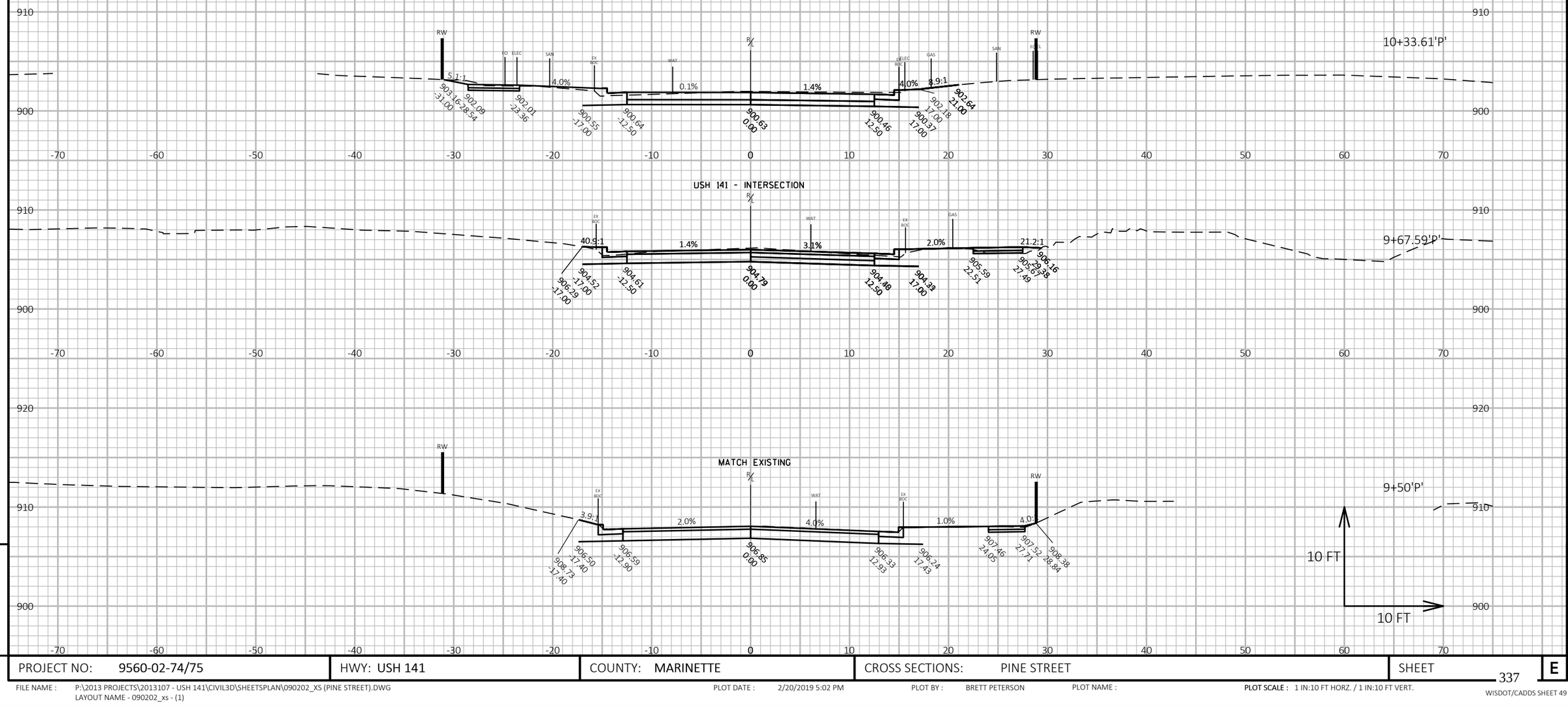
FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090201_XS (USH 141).DWG
LAYOUT NAME - 090201_xs - (60)

PLOT DATE : 2/20/2019 3:33 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: PINE STREET	SHEET 337	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090202_XS (PINE STREET).DWG
LAYOUT NAME - 090202_xs - (1)

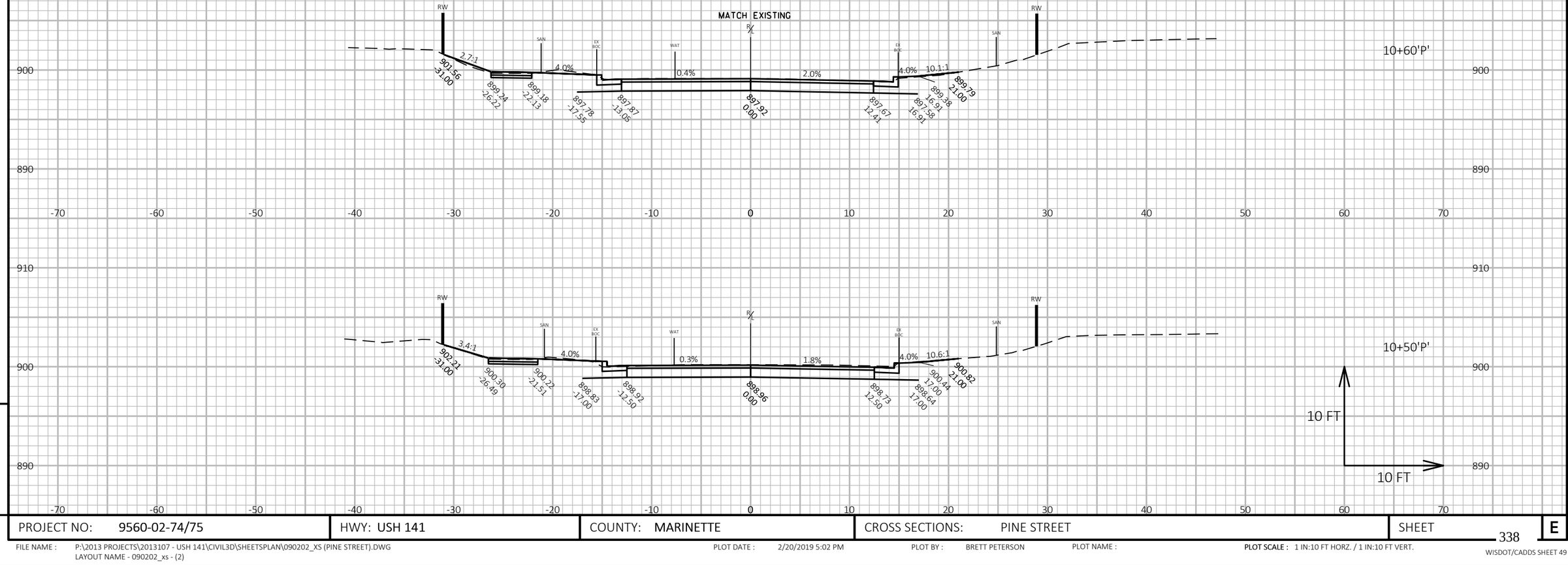
PLOT DATE : 2/20/2019 5:02 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: PINE STREET	SHEET 338 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090202_XS (PINE STREET).DWG
LAYOUT NAME - 090202_xs - (2)

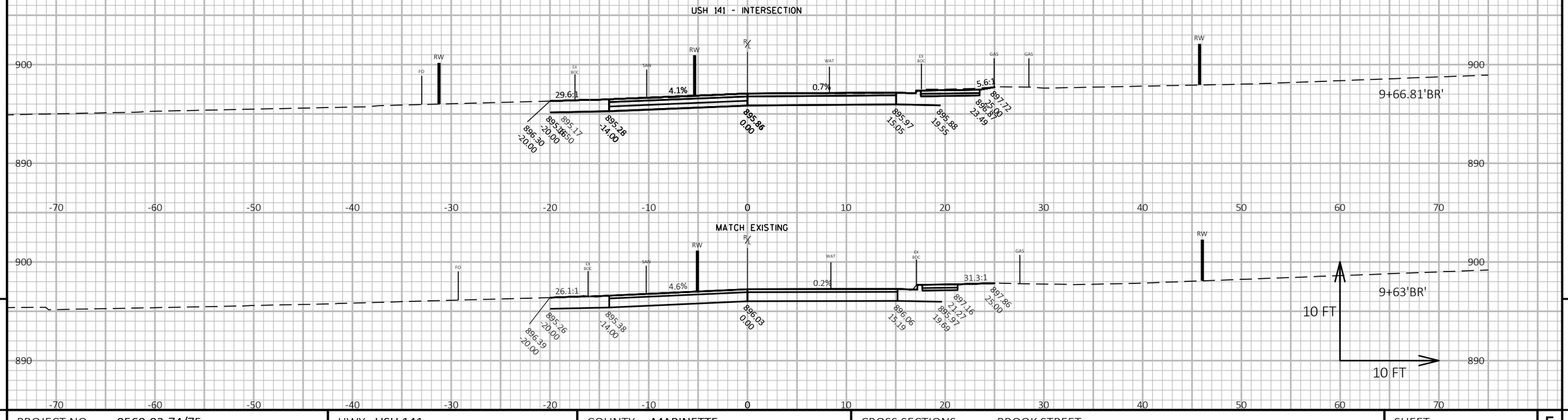
PLOT DATE : 2/20/2019 5:02 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: BROOK STREET	SHEET 339	E

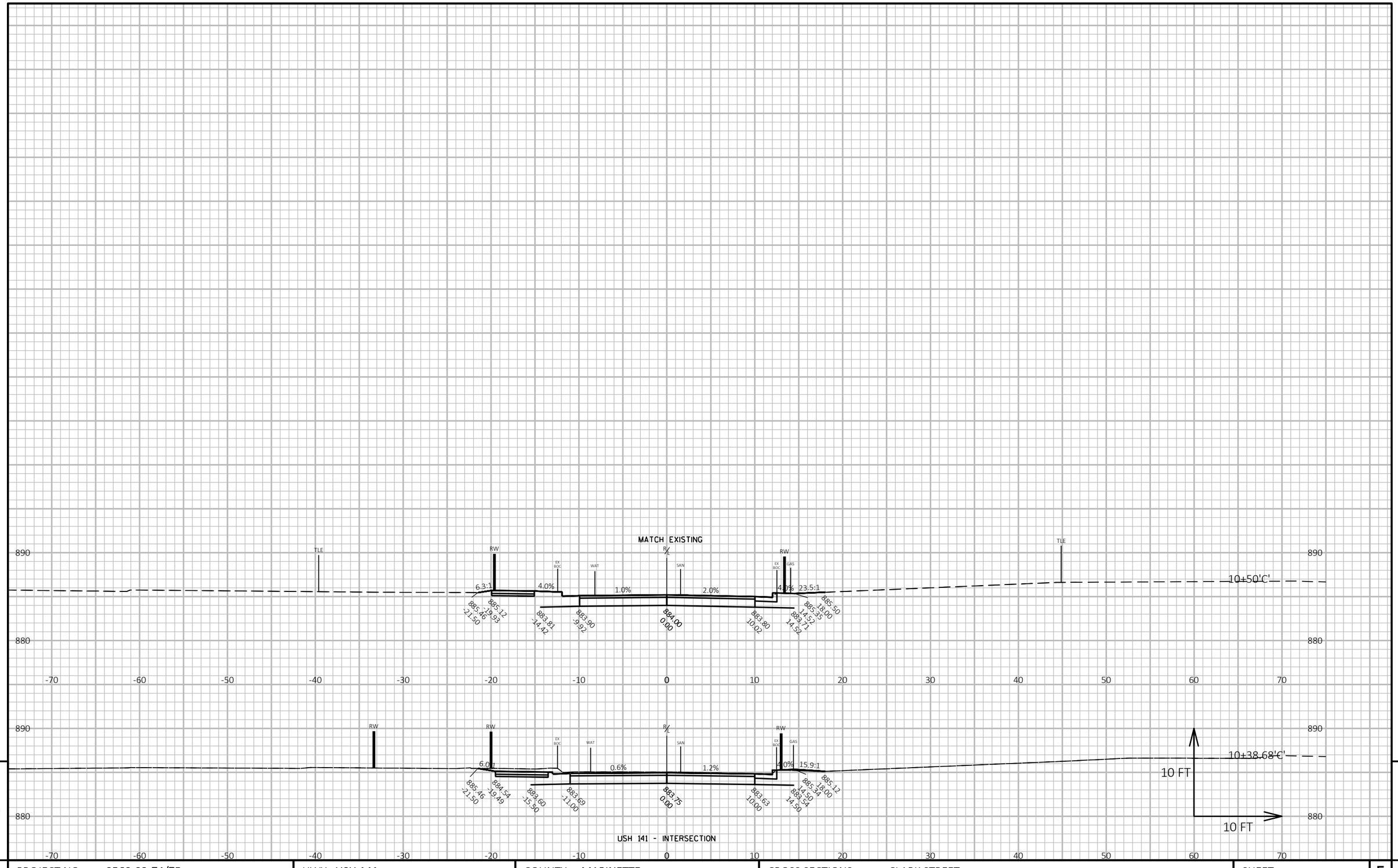
FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090203_XS (BROOK STREET).DWG
LAYOUT NAME - 090203_xs - (1)

PLOT DATE : 2/20/2019 5:51 PM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



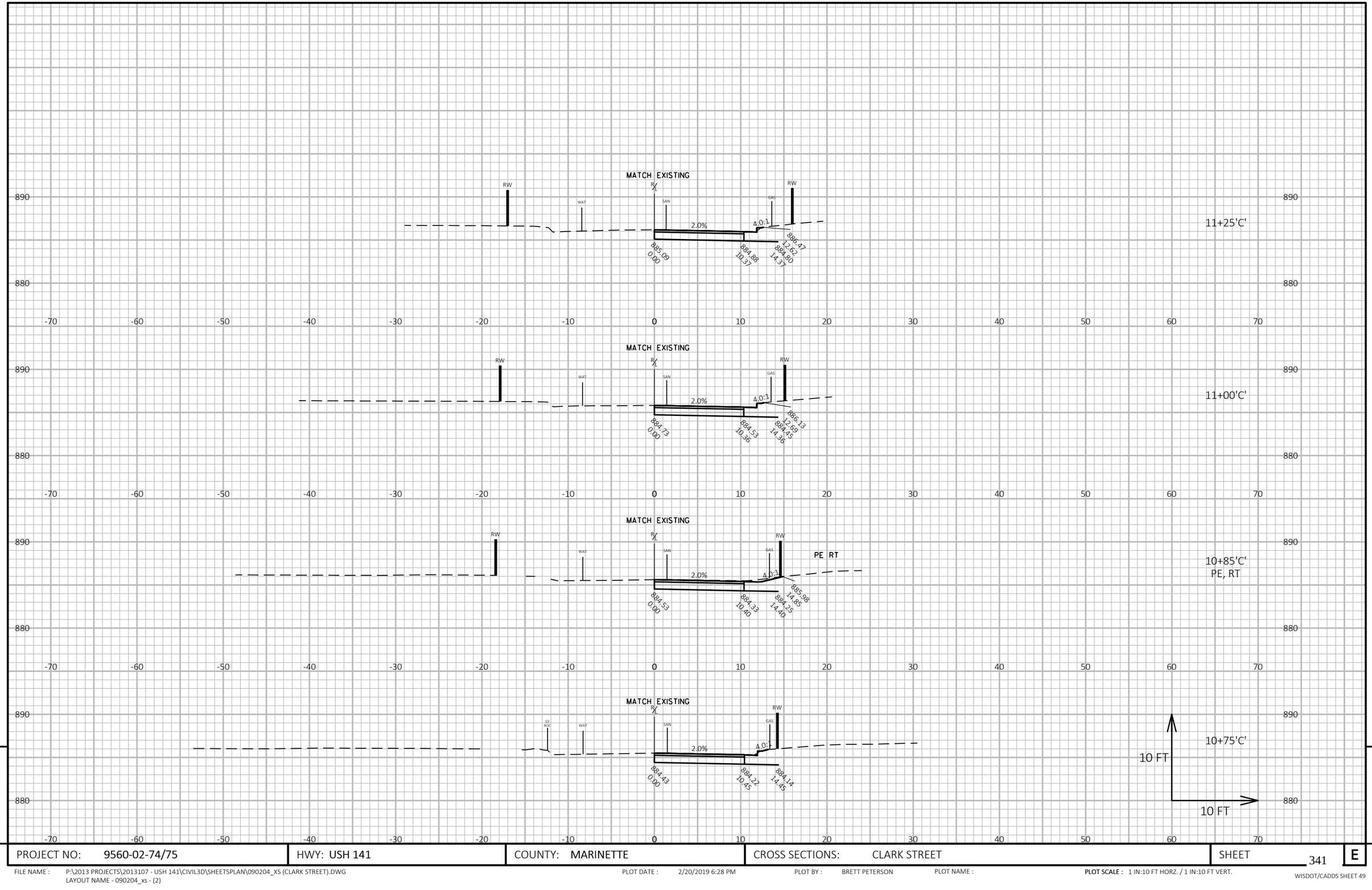
USH 141 - INTERSECTION

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CLARK STREET	SHEET 340	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090204_XS (CLARK STREET).DWG
LAYOUT NAME - 090204_xs - (1)

PLOT DATE : 2/20/2019 6:18 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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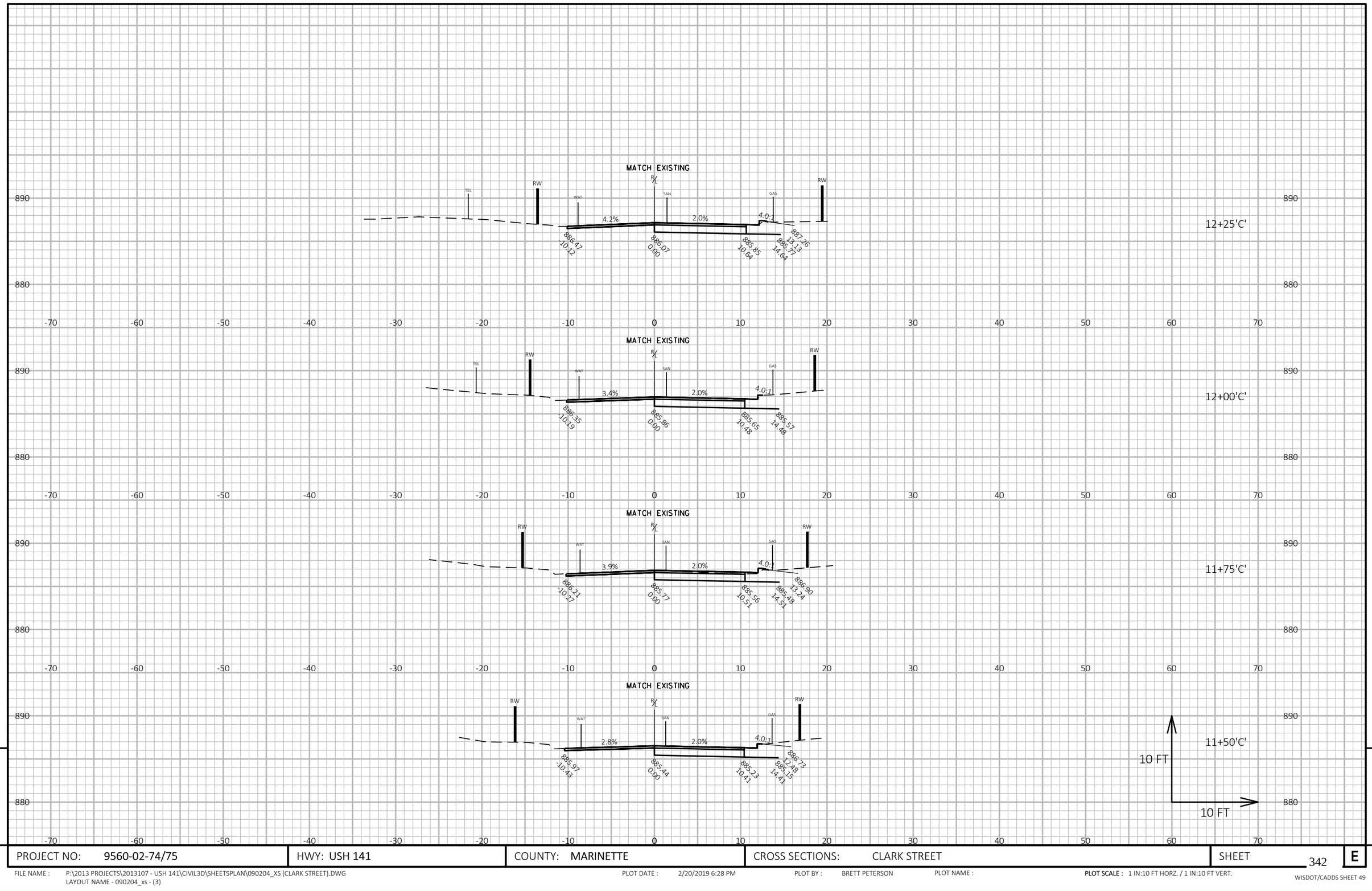
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CLARK STREET	SHEET 341	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090204_XS (CLARK STREET).DWG
LAYOUT NAME - 090204_xs - (2)

PLOT DATE : 2/20/2019 6:28 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

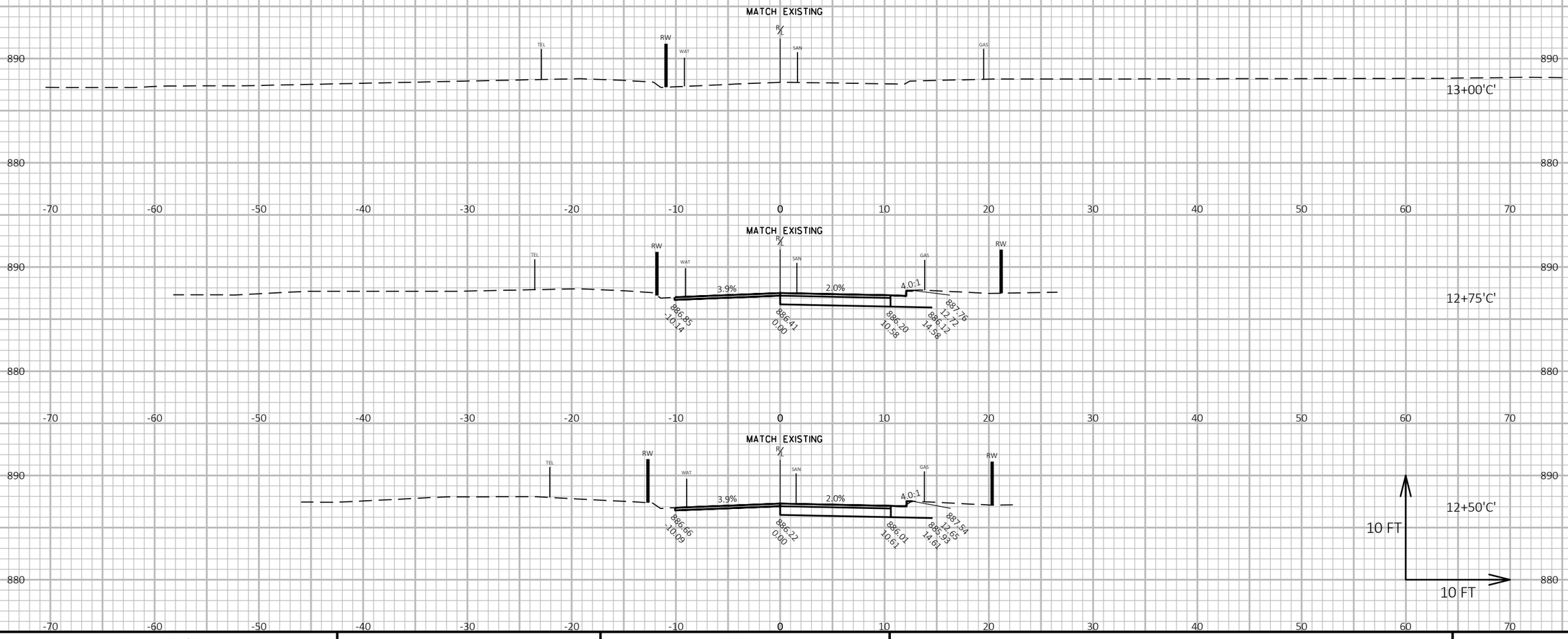


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CLARK STREET	SHEET 342	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090204_XS (CLARK STREET).DWG
LAYOUT NAME - 090204_xs - (3)

PLOT DATE : 2/20/2019 6:28 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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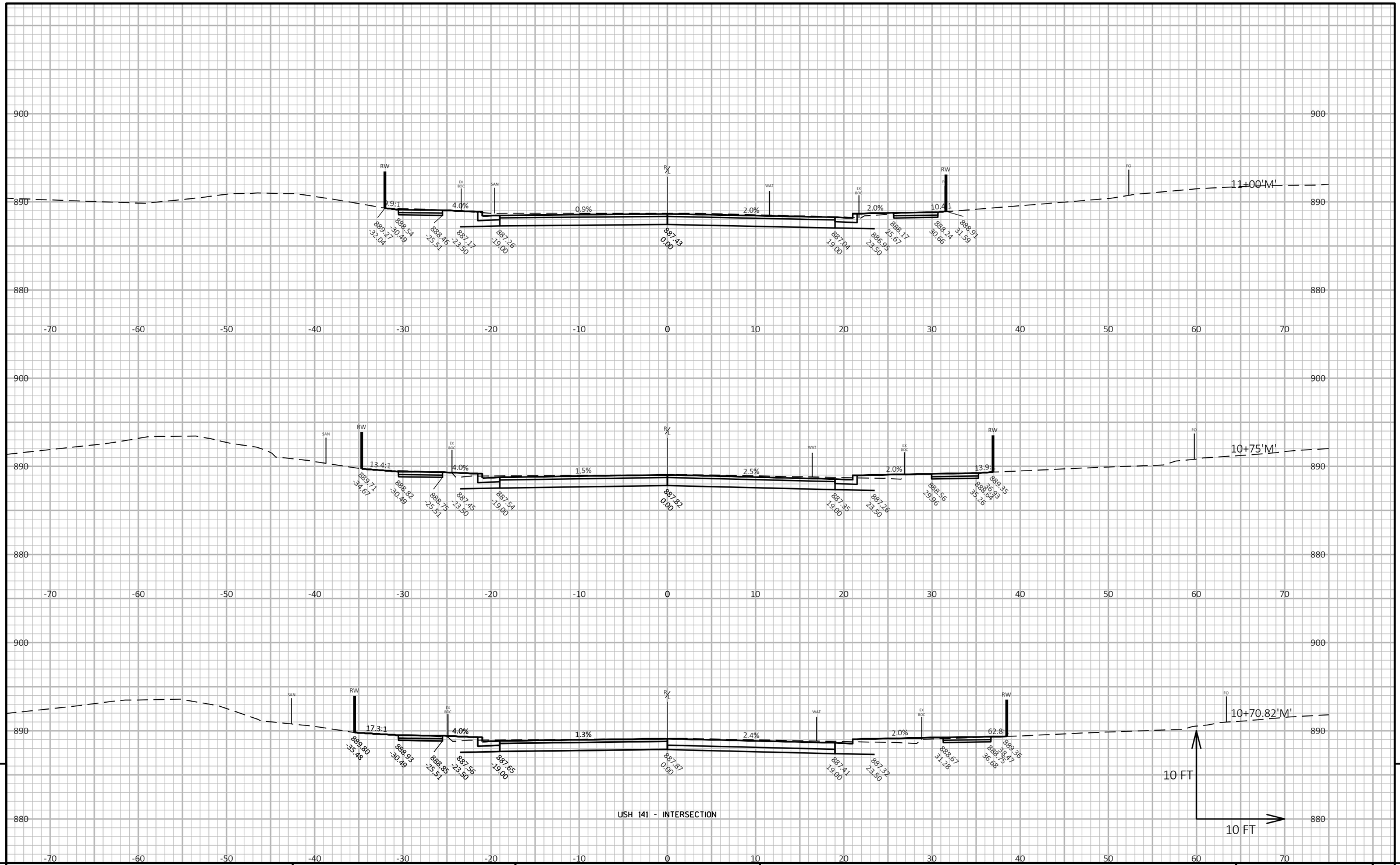
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: CLARK STREET	SHEET 343	E

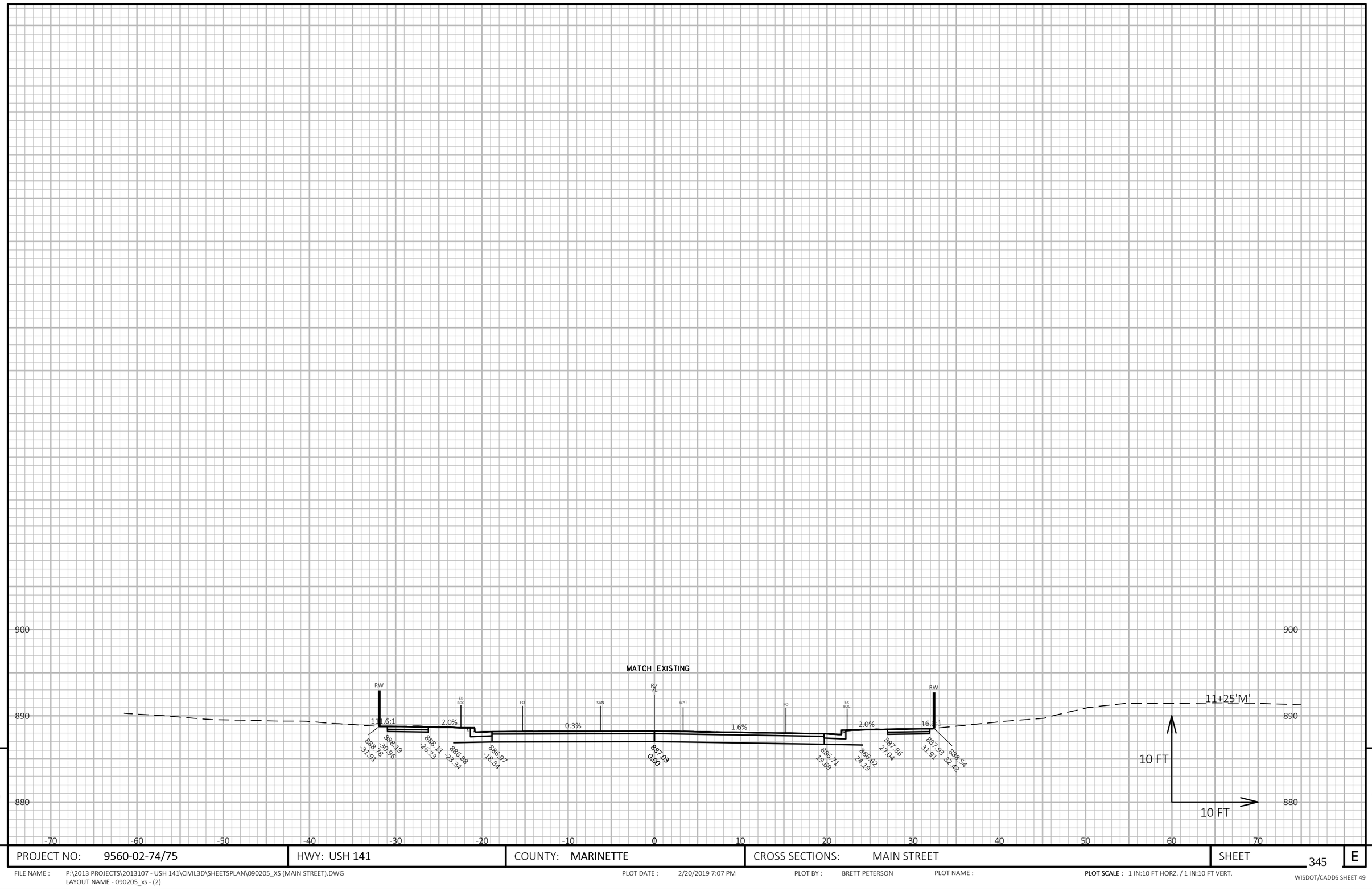
FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090204_XS (CLARK STREET).DWG
LAYOUT NAME - 090204_xs - (4)

PLOT DATE : 2/20/2019 6:29 PM PLOT BY : BRETT PETERSON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49


11+00'M'
10+75'M'
10+70.82'M'
RW
RW
RW



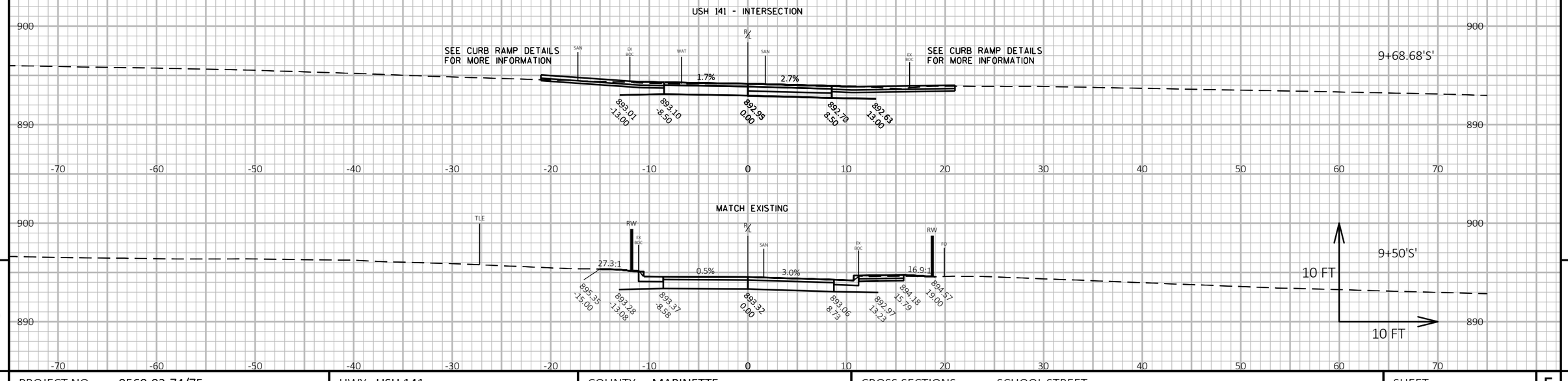
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: MAIN STREET	SHEET 345	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090205_XS (MAIN STREET).DWG
LAYOUT NAME - 090205_xs - (2)

PLOT DATE : 2/20/2019 7:07 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

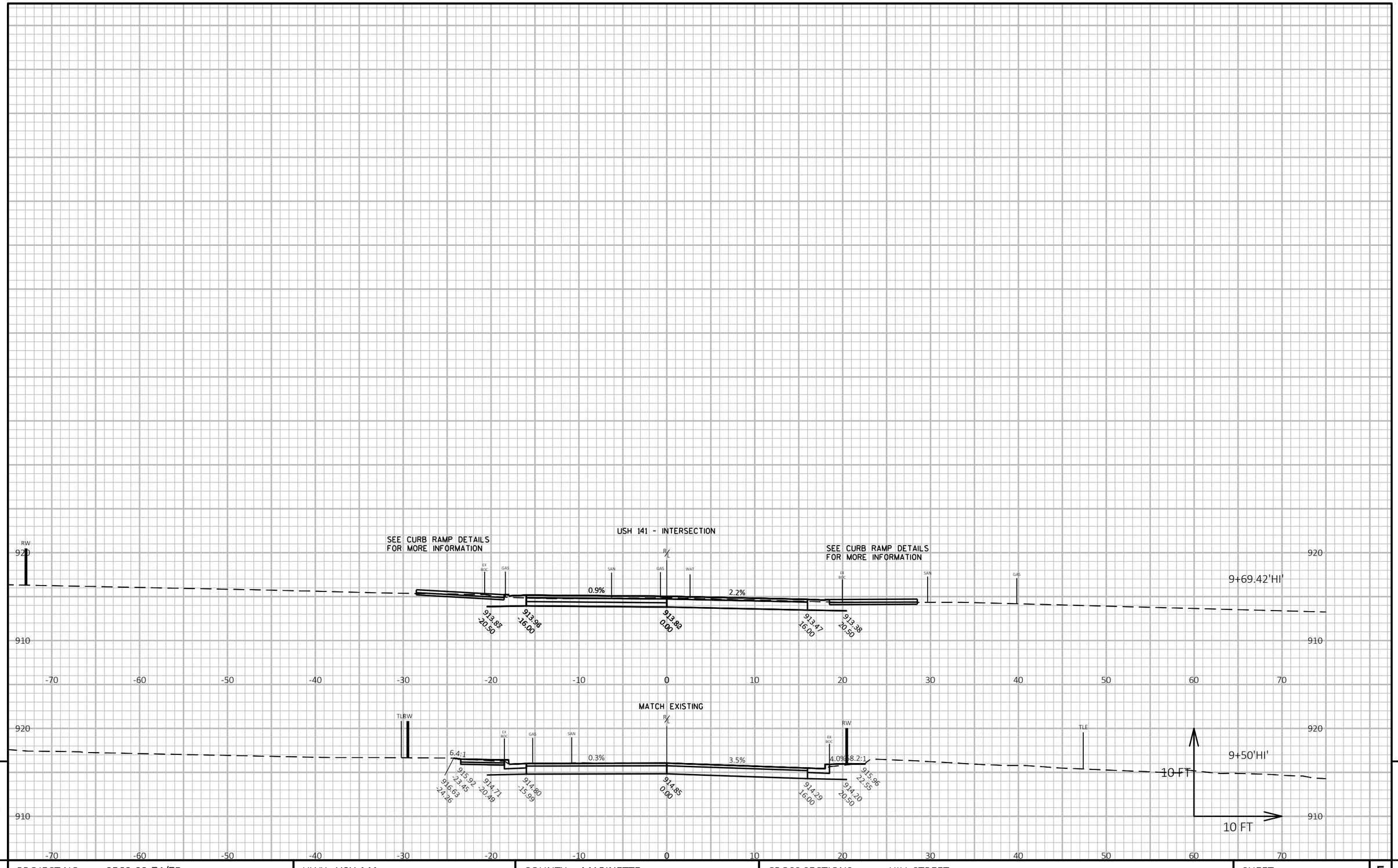


PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: SCHOOL STREET	SHEET 346	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090206_XS (SCHOOL STREET).DWG
LAYOUT NAME - 090206_xs - (1)

PLOT DATE : 2/20/2019 7:28 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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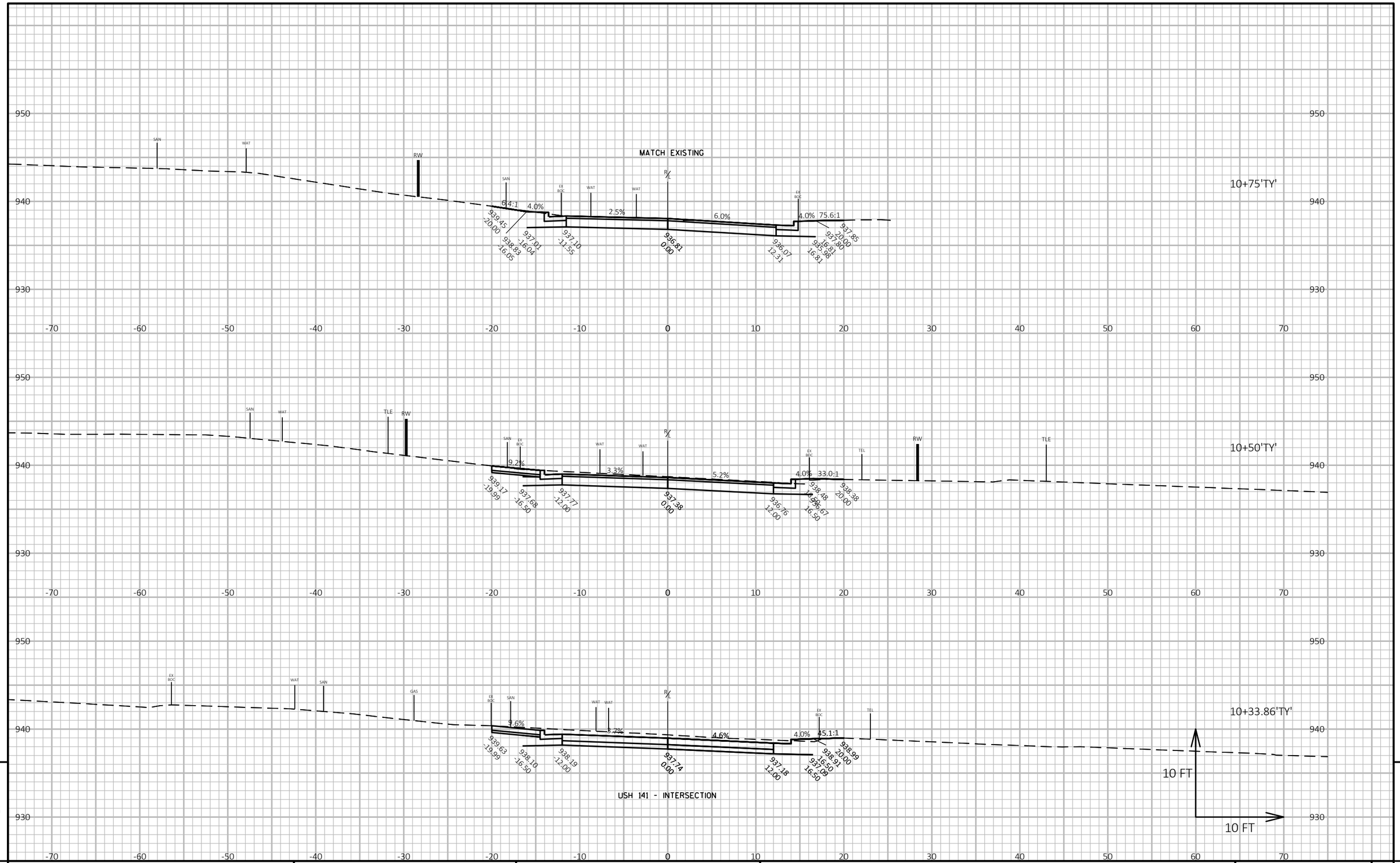
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: HILL STREET	SHEET 347	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090207_XS (HILL STREET).DWG
LAYOUT NAME - 090207_xs

PLOT DATE : 2/20/2019 7:45 PM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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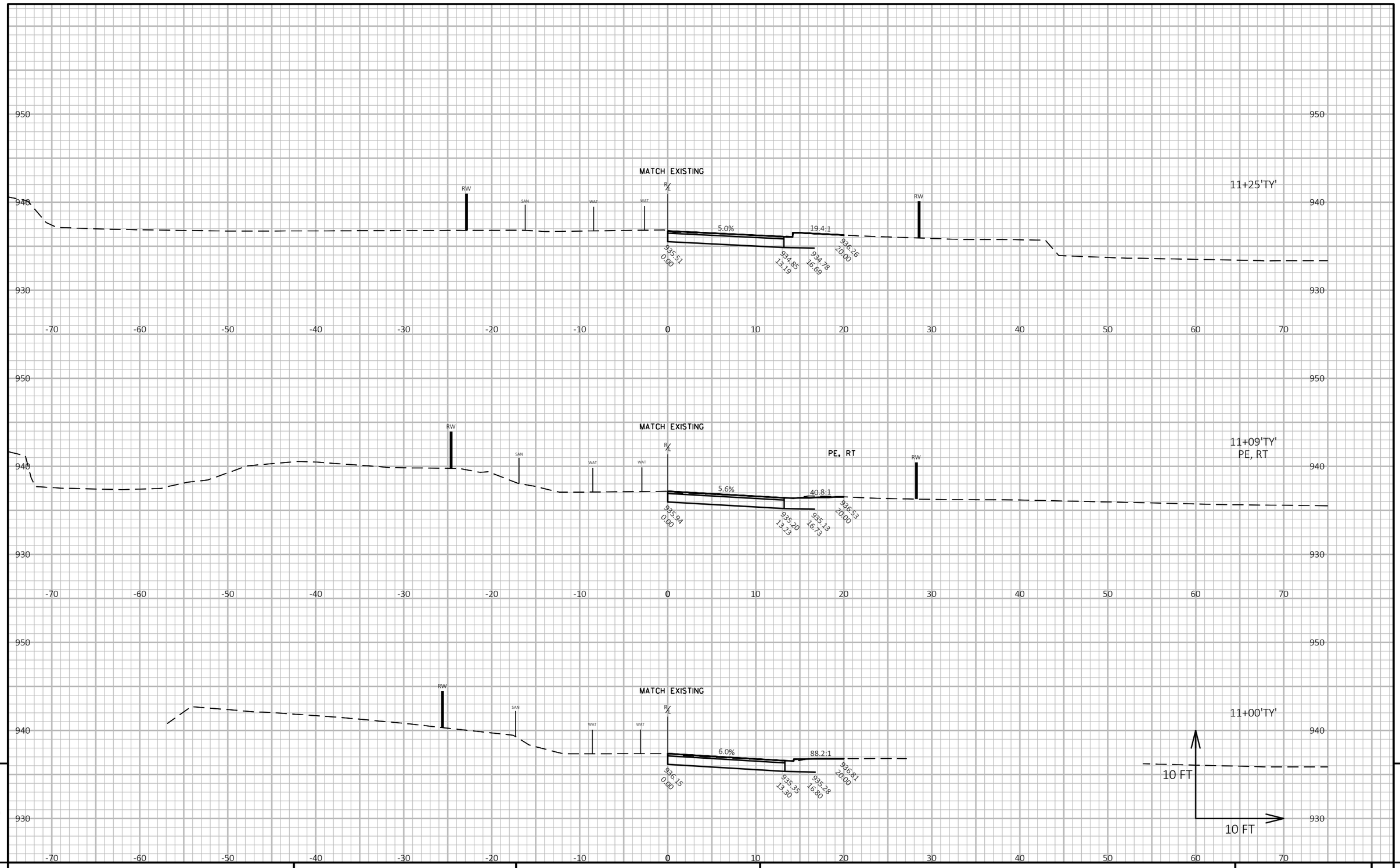
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: TYLER ROAD	SHEET 348	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090208_XS (TYLER ROAD).DWG
LAYOUT NAME - 090208_xs - (1)

PLOT DATE : 2/21/2019 8:15 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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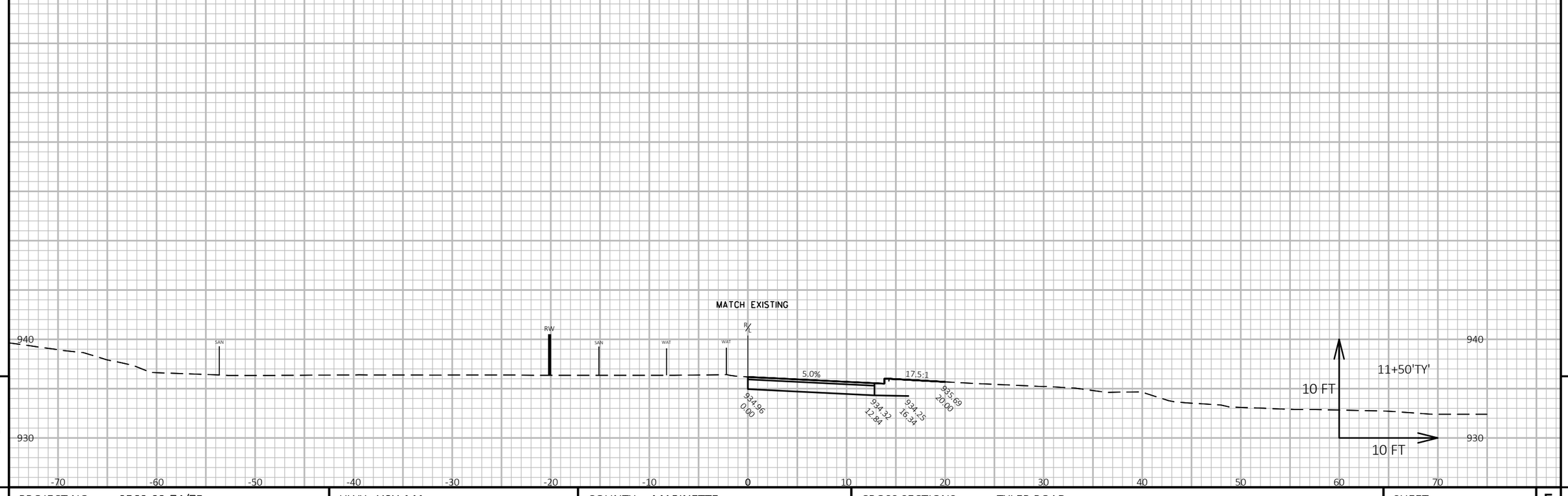
PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: TYLER ROAD	SHEET 349	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090208_XS (TYLER ROAD).DWG
LAYOUT NAME - 090208_xs - (2)

PLOT DATE : 2/21/2019 8:21 AM PLOT BY : BRETT PETERSON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

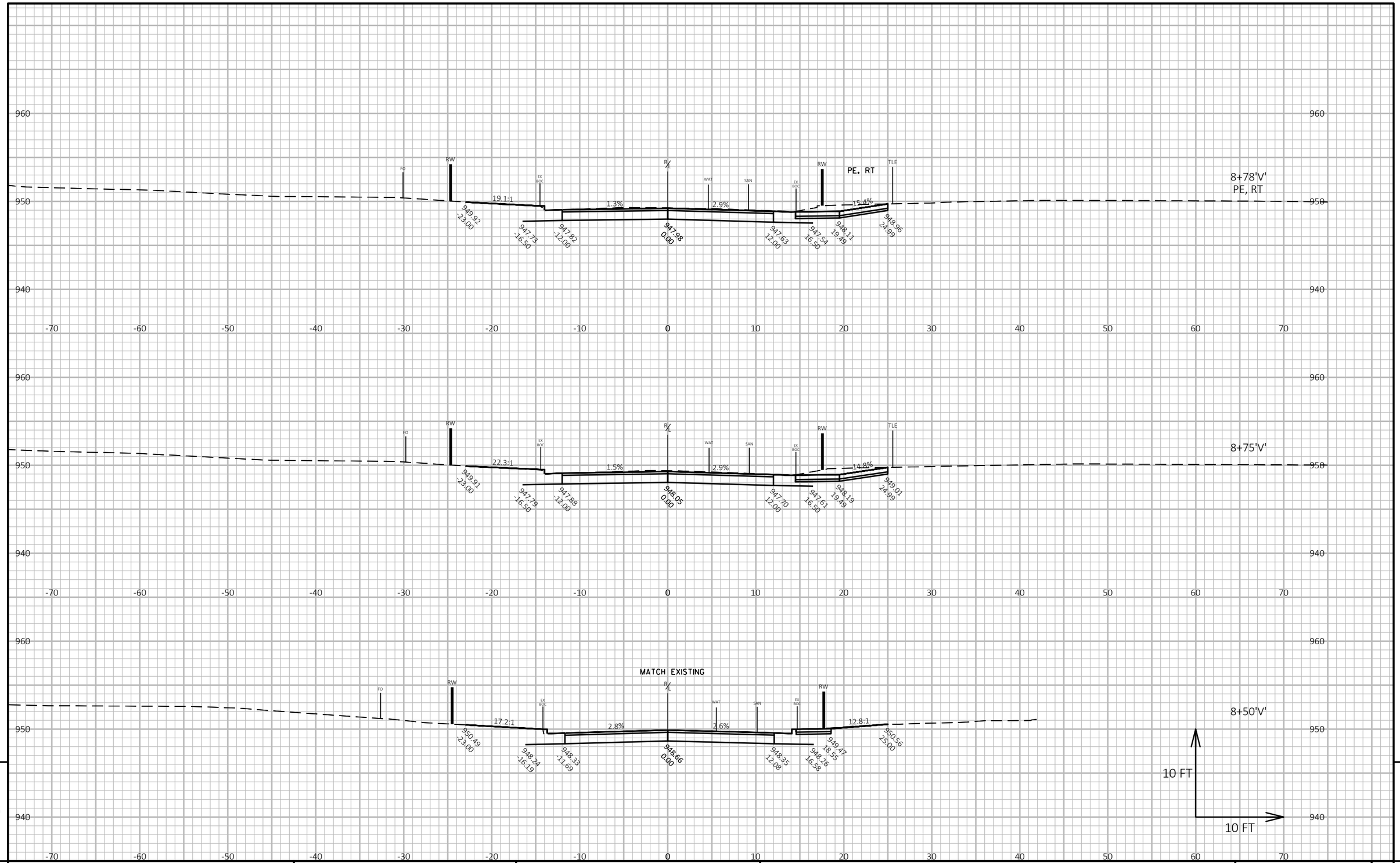
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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: TYLER ROAD	SHEET 350	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090208_XS (TYLER ROAD).DWG
LAYOUT NAME - 090208_xs - (3)

PLOT DATE : 2/21/2019 8:22 AM PLOT BY : BRETT PETERSON PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: VINE STREET	SHEET 351	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090209_XS (VINE STREET).DWG
LAYOUT NAME - 090209_xs - (1)

PLOT DATE : 2/21/2019 7:53 AM

PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: VINE STREET	SHEET 352 E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090209_XS (VINE STREET).DWG
LAYOUT NAME - 090209_xs - (2)

PLOT DATE : 2/21/2019 7:53 AM

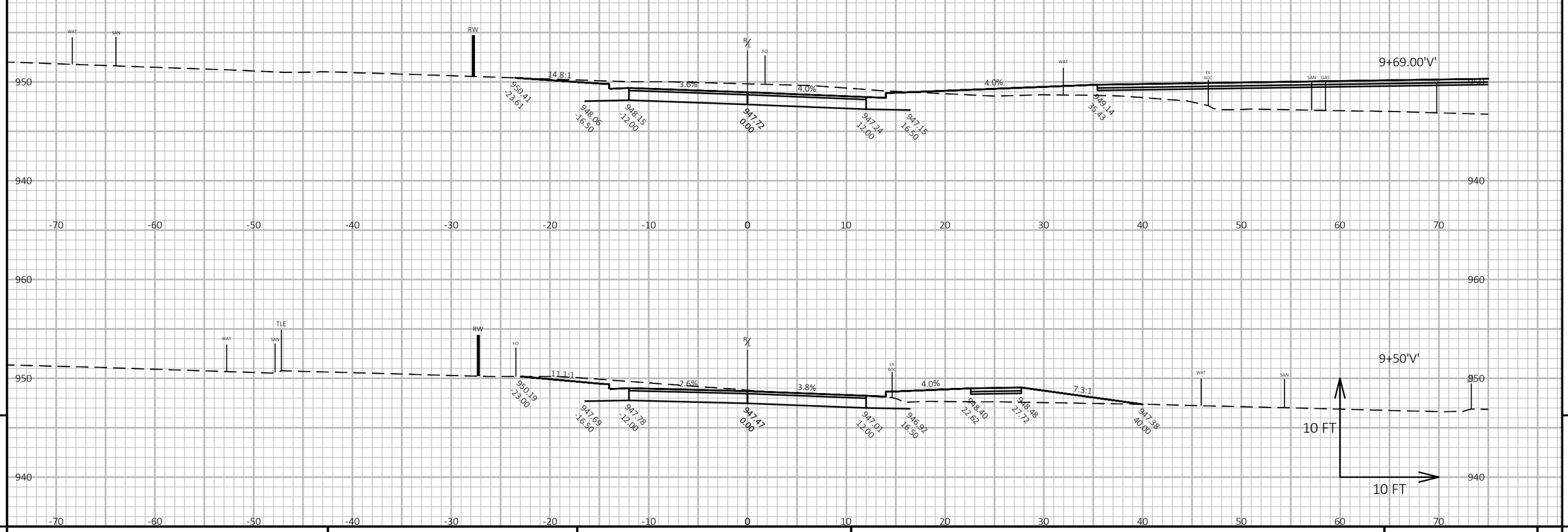
PLOT BY : BRETT PETERSON

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

USH 141 - INTERSECTION



PROJECT NO: 9560-02-74/75	HWY: USH 141	COUNTY: MARINETTE	CROSS SECTIONS: VINE STREET	SHEET 353	E

FILE NAME : P:\2013 PROJECTS\2013107 - USH 141\CIVIL3D\SHEETSPLAN\090209_XS (VINE STREET).DWG
LAYOUT NAME - 090209_xs - (3)

PLOT DATE : 2/21/2019 7:54 AM PLOT BY : BRETT PETERSON PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

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