

PROJECT ID:
8949-00-71

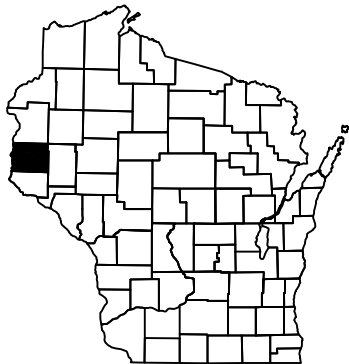
COUNTY:
ST CROIX

WITH: N/A

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 (includes erosion control)
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS =



DESIGN DESIGNATION

A.A.D.T.	2015	=	2,800
A.A.D.T.	2041	=	5,000
D.H.V.		=	625
D.D.		=	60/40
T.		=	14.9%
DESIGN SPEED		=	30-60 MPH
ESALS		=	986,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

HUDSON - BALDWIN

(STH 65 NORTH - USH 63 NORTH)

USH 12

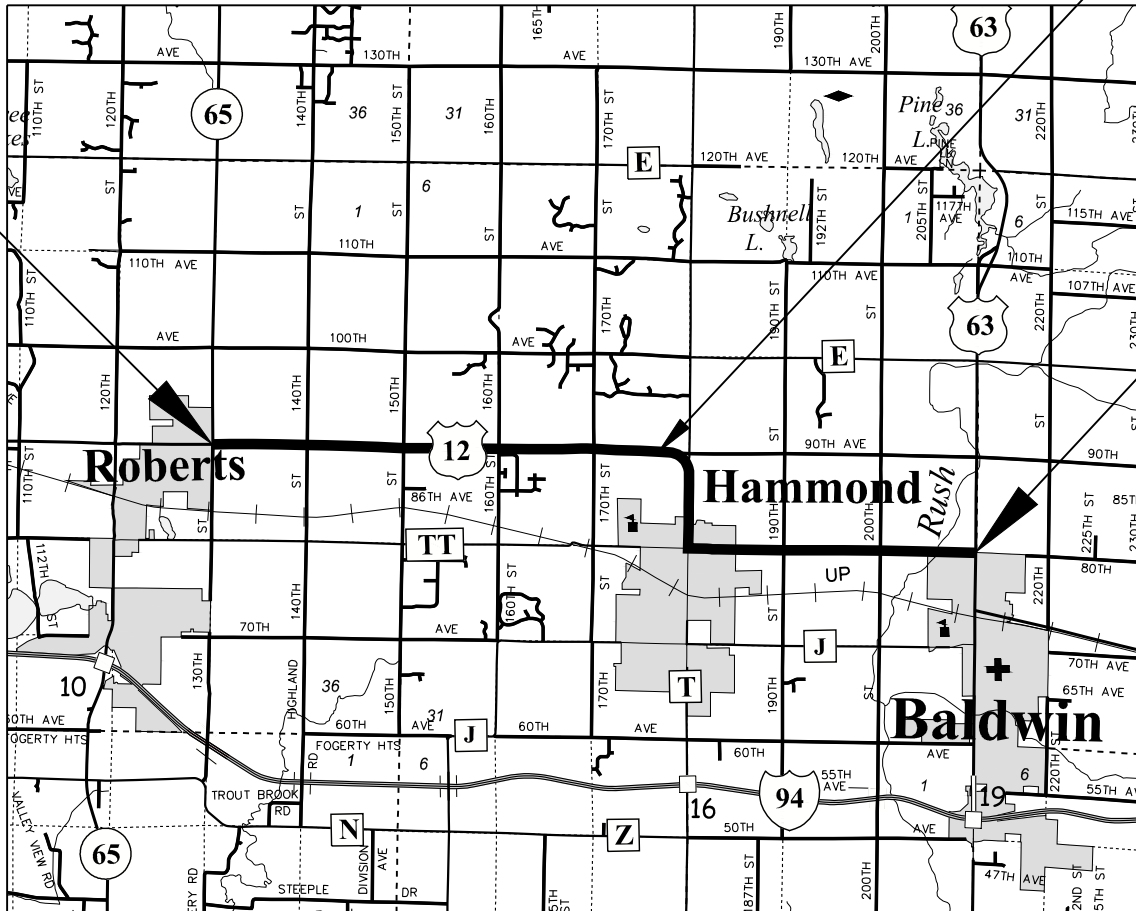
ST CROIX COUNTY

STATE PROJECT NUMBER

8949-00-71

BEGIN PROJECT 8949-00-71
STA 458+44.40'EB'
Y=348,777.34
X=568,383.33

END PROJECT
STA 914+00'EB'



LAYOUT

SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 8.628 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), ST CROIX COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE PROJECT

8949-00-71

FEDERAL PROJECT

PROJECT

CONTRACT

DRAFT PS&E PLANS
NOVEMBER 2020

ACCEPTED FOR

VILLAGE OF HAMMOND

Date _____
(Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

KL Engineering
[A] Better Experience

DATE: _____
(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	KL ENGINEERING
Designer	KL ENGINEERING
Project Manager	PAULA GROOM
Regional Examiner	
Regional Supervisor	JEFFREY OLSON

APPROVED FOR THE DEPARTMENT

DATE: _____
(Signature)

E

2

ABBREVIATIONS

A.A.D.T. ANNUAL AVERAGE DAILY TRAFFIC

A.E.W. APRON ENDWALL

B.A.D. BASE AGGREGATE DENSE

C/L CENTERLINE

C.M.C.P. CORRUGATED METAL CULVERT PIPE

C.P. CULVERT PIPE

C.S.C.P. CORRUGATED STEEL CULVERT PIPE

CY CUBIC YARD

D.D. DAILY DIRECTIONAL SPLIT (TRAFFIC VOLUME)

D.H.V. DAILY HOURLY TRAFFIC

E.A.T. ENERGY ABSORBING TERMINAL

EL. ELEVATION

ESALS EQUIVALENT SINGLE AXLE LOADS

FE FIELD ENTRANCE

FO FIBER OPTIC

INV. INVERT

LB POUND

LF LINEAR FEET

LT. LEFT

MAX. MAXIMUM

MGS MIDWEST GUARDRAIL SYSTEM

MIN. MINIMUM

NOR. NORMAL

NPZ NO PASSING ZONE

OH OVERHEAD

P.E. PRIVATE ENTRANCE

P.I. POINT OF INTERSECTION

PRW PROPOSED RIGHT OF WAY

R RADIUS

REQ'D REQUIRED

R/L REFERENCE LINE

RT. RIGHT

RW RIGHT OF WAY

S.D.D. STANDARD DETAIL DRAWING

SE SUPERELEVATION

STA. STATION

SF SQUARE FOOT

STH STATE HIGHWAY

SY SQUARE YARD

T. PERCENT OF TRUCK TRAFFIC

TYP. TYPICAL

VAR. VARIES

UTILITIES

GAS/PETROLEUM

MIDWEST NATURAL GAS, INC.
RICK SCHERMERHORN
3600 STATE HIGHWAY 157
P.O. BOX 429
LA CROSSE, WI 54602-0429
(608) 781-1011 (OFFICE)
(608) 780-0210 (MOBILE)
ricks@midwestnaturalgas.com

ST. CROIX GAS
GREG LEE
415 S. SECOND STREET
RIVER FALLS, WI 54022
(715) 425-6177
greg@stcroixgas.com

WE ENERGIES
STEVEN CHAVERS
104 W. SOUTH STREET
RICE LAKE, WI 54868
(715) 234-9605 (OFFICE)
(715) 213-4327 (MOBILE)
steven.chavers@we-energies.com

COMMUNICATIONS LINE

AT&T WISCONSIN
RICK PODOLAK
304 S. DEWEY STREET
4TH FLOOR
EAU CLAIRE, WI 54701
(715) 839-5565 (OFFICE)
(715) 410-0656 (MOBILE)
rp4514@att.com

BALDWIN TELECOM, INC.
MATT KNEGENDORF
930 MAPLE STREET
BALDWIN, WI 54002
(715) 688-1034 (OFFICE)
(715) 760-0968 (MOBILE)
mknegendorf@lswi.net

CENTURYLINK
MICHAEL VANDEN BOS
2426 75TH AVE.
OSCEOLA, WI 54020
(715) 292-4278 (OFFICE)
(715) 292-4278 (MOBILE)
mike.vandenbos@centurylink.com

ELECTRICITY

DAIRYLAND POWER COOPERATIVE
ROB MALY
3200 EAST AVE S
P.O. BOX 817
LA CROSSE, WI 54602-0817
(608) 788-3200 (OFFICE)
(608) 518-2633 (MOBILE)
rob.maly@dairylandpower.com

ST CROIX ELECTRIC COOPERATIVE
ROB DOOLEY
1925 RIDGEWAY ST.
P.O. BOX 160
HAMMOND, WI 54015-0160
(715) 796-5637 (OFFICE)
(715) 781-2295 (MOBILE)
robd@scecn.net

XCEL ENERGY
JAKE MILLER
801 KELLER AVE.
AMERY, WI 54001
(715) 268-3227
jake.i.miller@xcelenergy.com

SEWER & WATER

HAMMOND MUNICIPAL WATER UTILITY - WATER
HAMMOND WASTEWATER TREATMENT FACILITY - SEWER
CHUCK FEDIE
455 DAVIS STREET
P.O. BOX 337
HAMMOND, WI 54015
(715) 796-2727 (OFFICE)
(715) 760-1553 (MOBILE)
hammondww@hammondwi.org

GENERAL NOTES

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

THE LOCATION OF EXISTING UTILITY INSTALLATIONS AS SHOWN IN THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

UTILITY REFERENCE LINES ON THE CROSS SECTIONS ARE FOR APPROXIMATE HORIZONTAL REFERENCE ONLY.

REMOVAL ITEMS REQUIRING RESTORATION OF CONCRETE OR ASPHALT SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER.

EROSION CONTROL FEATURES AS SHOWN IN 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.

DISTURBED AREAS WITHIN THE RIGHT OF WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

EXCAVATION BELOW SUBGRADE (EBS) LOCATIONS WILL BE DETERMINED BY THE ENGINEER.

RADIUS DIMENSIONS FOR CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

CONTRACTOR IS RESPONSIBLE FOR RESHAPING AND FINISHING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY THEIR OPERATION OUTSIDE THE PLAN CONSTRUCTION LIMITS.

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

ALL GRADES PROVIDED ALONG RADII ARE ALONG THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

THE CONTRACTOR'S HMA PAVING OPERATION SHALL BE CONSISTENT WITH THE TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING LANE.

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

HMA PAVEMENT WHEN INDICATED ON THE PLANS, SHALL CONSIST OF COURSES AS FOLLOWS UNLESS OTHERWISE NOTED ON THE PLANS.

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

STORM SEWER AND CULVERT ENDWALL LOCATIONS ARE MARKED ON THE PLANS WITH A STATION AND OFFSET TO THE END OF PIPE, WHERE IT MEETS THE ENDWALL. PIPE ENDWALLS SHALL BE LAID AT THE SAME SLOPE AS THE CONNECTING PIPE.

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

PROPOSED INLET RIM ELEVATIONS ARE SHOWN AS FLANGE ELEVATION.

	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	0.70 - 0.95											
CONCRETE	0.80 - 0.95											
BRICK	0.70 - 0.80											
DRIVES, WALKS	0.75 - 0.85											
ROOFS	0.75 - 0.95											
GRAVEL ROADS, SHOULDERS	0.40 - 0.60											

TOTAL PROJECT AREA = 83.37 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 3.91 ACRES

ORDER OF DETAIL SHEETS

TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
CURB RAMP DETAILS
STORM SEWER
SIGNING
PERMANENT SIGNING
PERMANENT MARKING
TRAFFIC CONTROL
DETOUR PLAN

ROADWAY	TOTAL PAVEMENT THICKNESS	LOWER LAYER THICKNESS & TYPE	UPPER LAYER THICKNESS & TYPE
USH 12 (OVERLAY)	3.25"	1.75" (5MT58-34V)	1.5" (5MT58-34V)
USH 12 (RECONSTRUCTION)	6.75"	3.5" LOWER, 1.75" MIDDLE (5MT58-34V)	1.5" (5MT58-34V)

DNR LIASON

AMY CRONK
ENVIRONMENTAL ANALYSIS AND REVIEW SPECIALIST
DEPARTMENT OF NATURAL RESOURCES
1300 W. CLAIREMONT AVE.
EAU CLAIRE, WI 54702-4001
715-635-4229
Amy.Cronk@wisconsin.gov

DESIGN CONTACT

JEFF SMITH, P.E.
KL ENGINEERING, INC.
5400 KING JAMES WAY, SUITE 200
MADISON, WI 53719
608-663-1218
jsmith@klengineering.com

WISDOT

PAULA GROOM, P.E.
WISDOT PROJECT MANAGER
WISDOT NW REGION (EAU CLAIRE)
718 W. CLAIREMONT AVE.
EAU CLAIRE, WI 54701
715-579-6776
Paula.Groom@dot.wi.gov

PROJECT NO: 8949-00-71

HWY: USH 12

COUNTY: ST. CROIX

GENERAL NOTES

SHEET

E

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LAYOUT NAME - 020101-gn

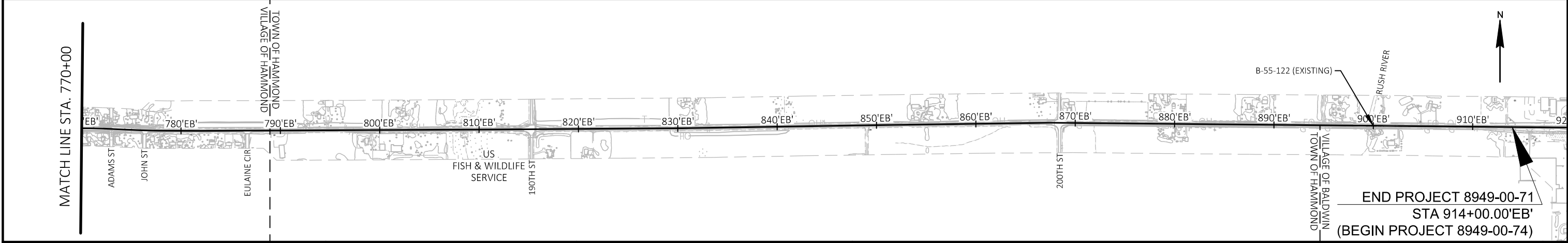
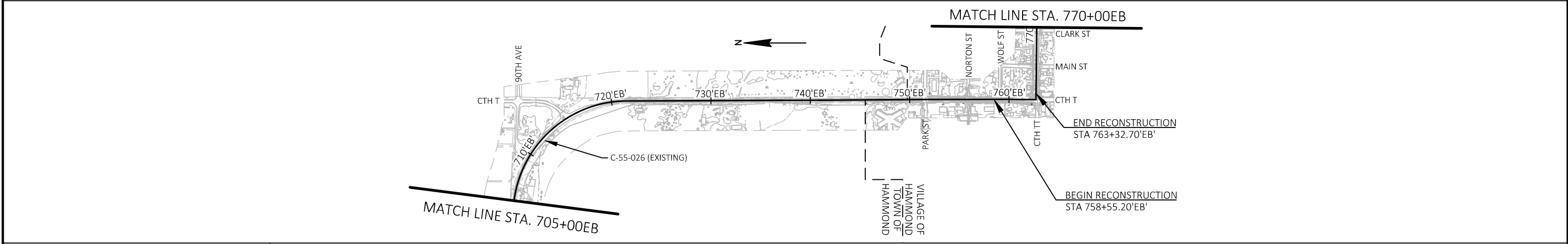
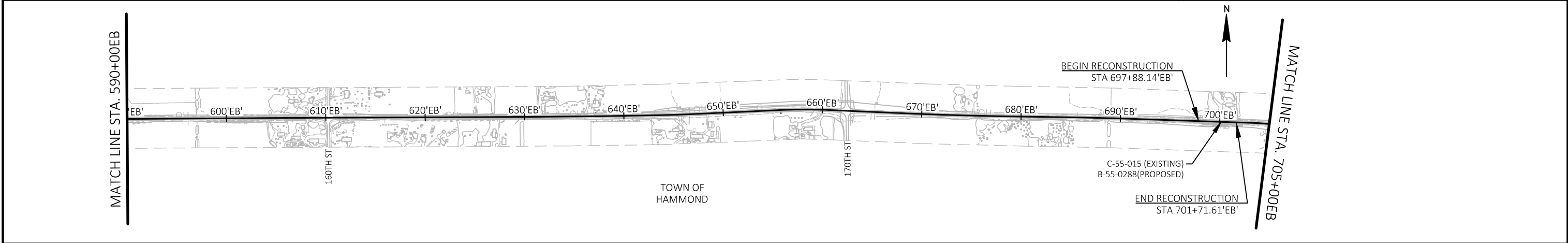
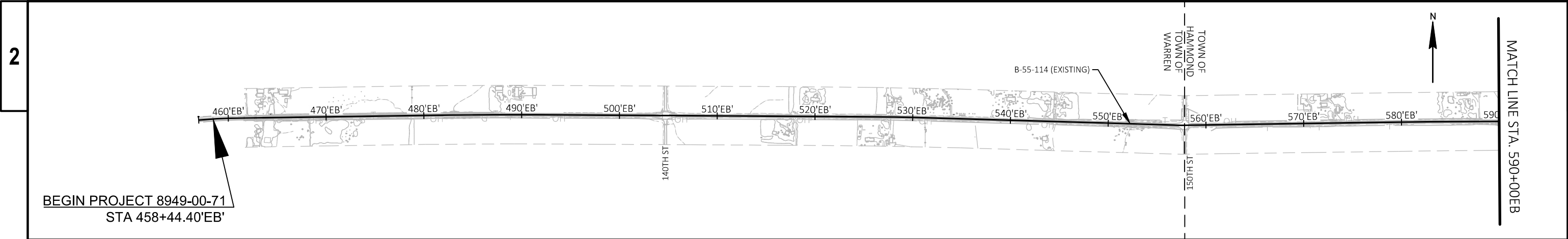
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PLOT BY : KL ENGINEERING

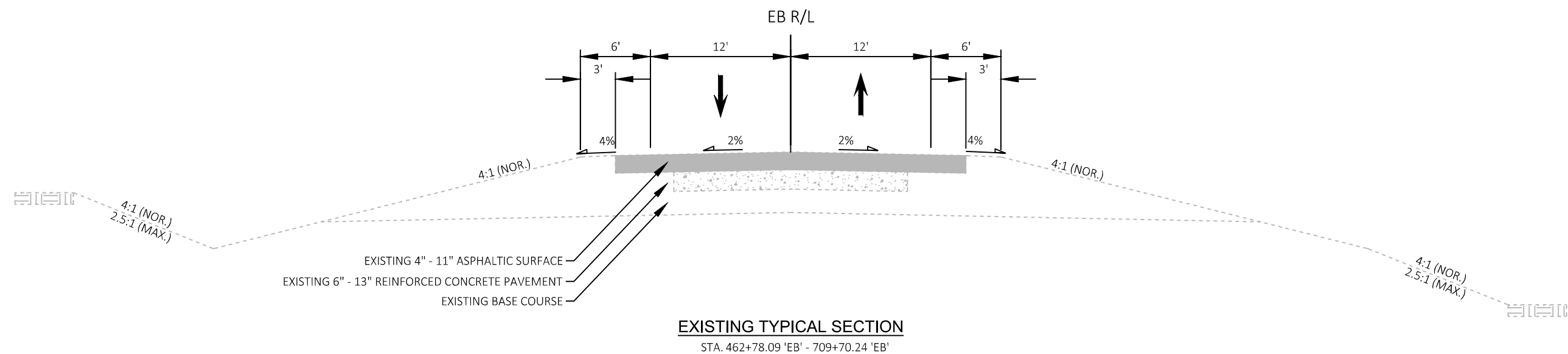
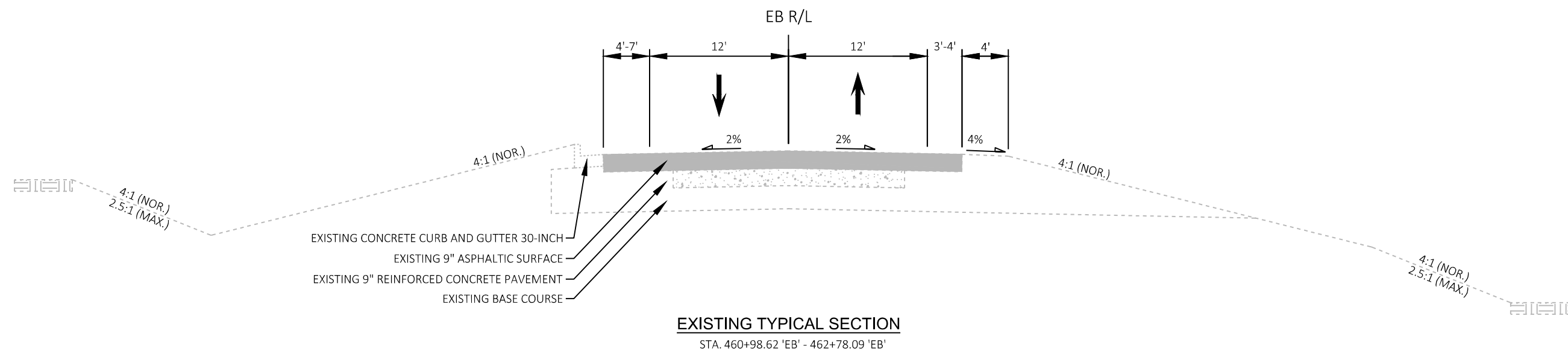
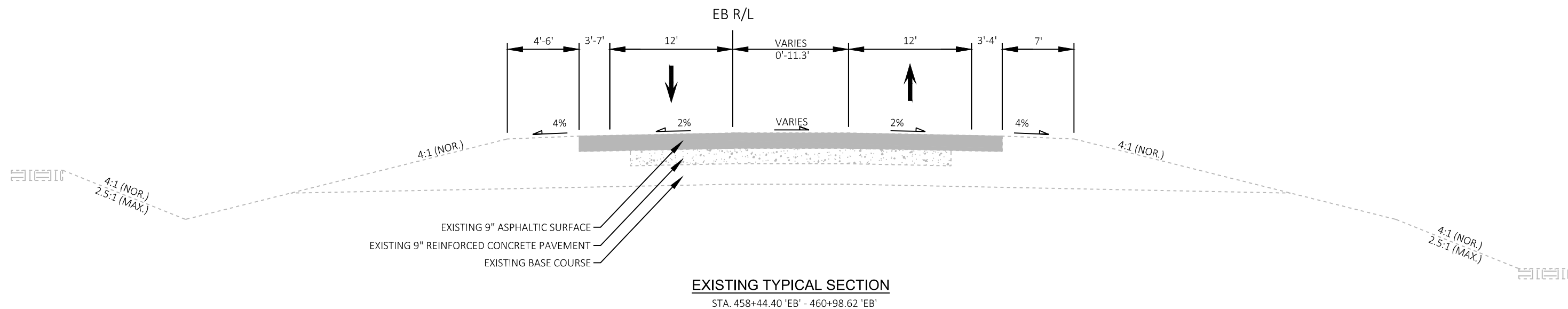
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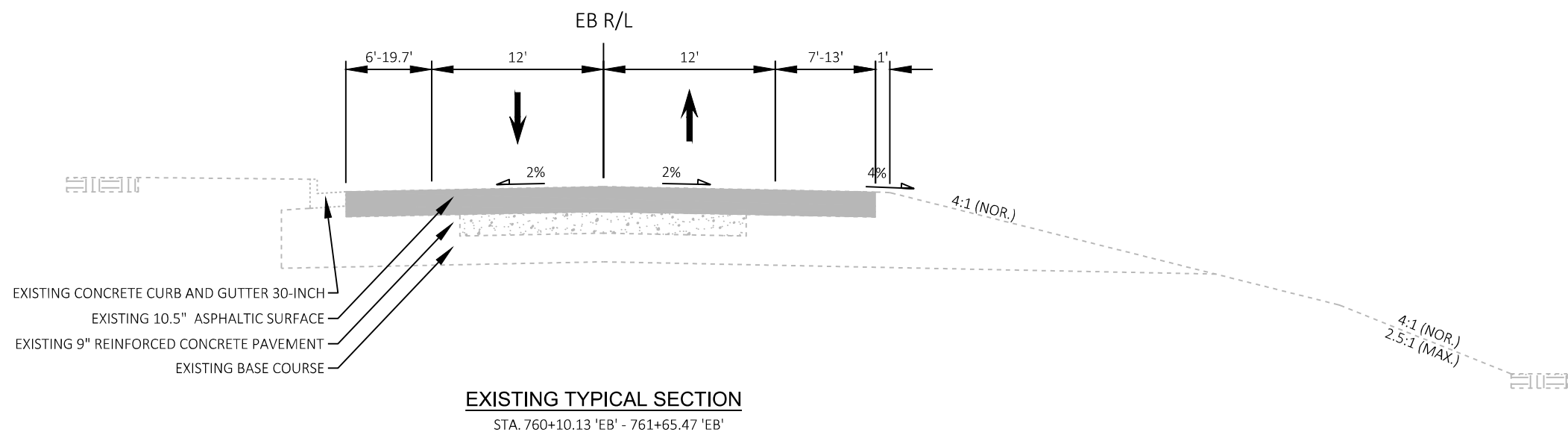
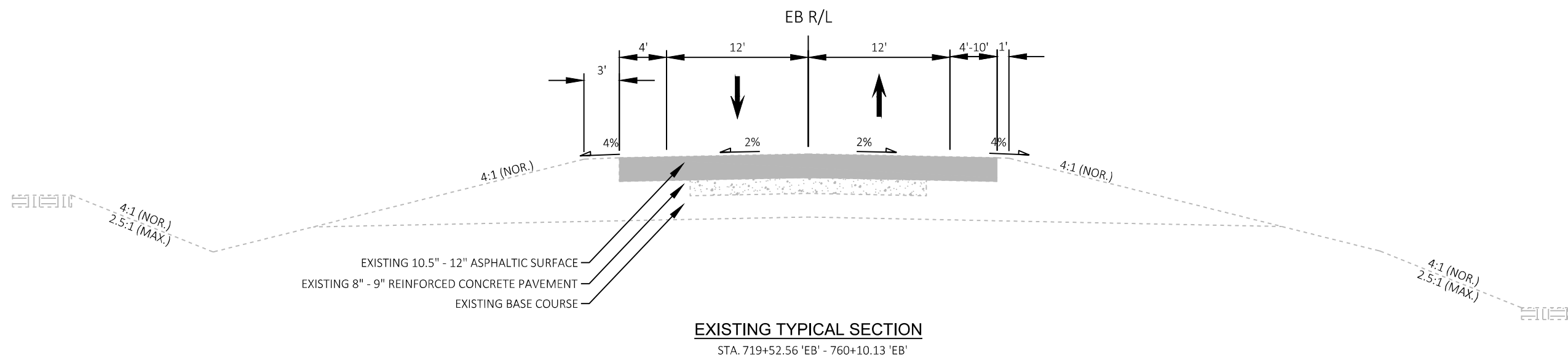
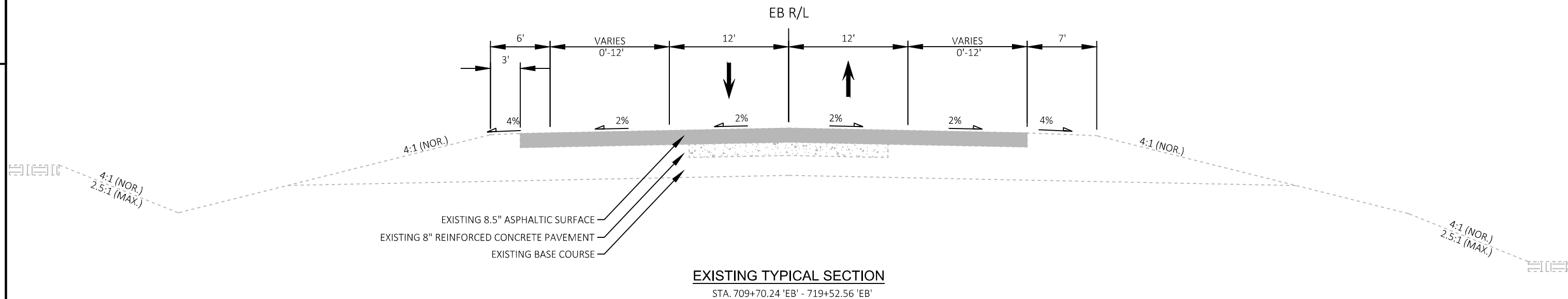
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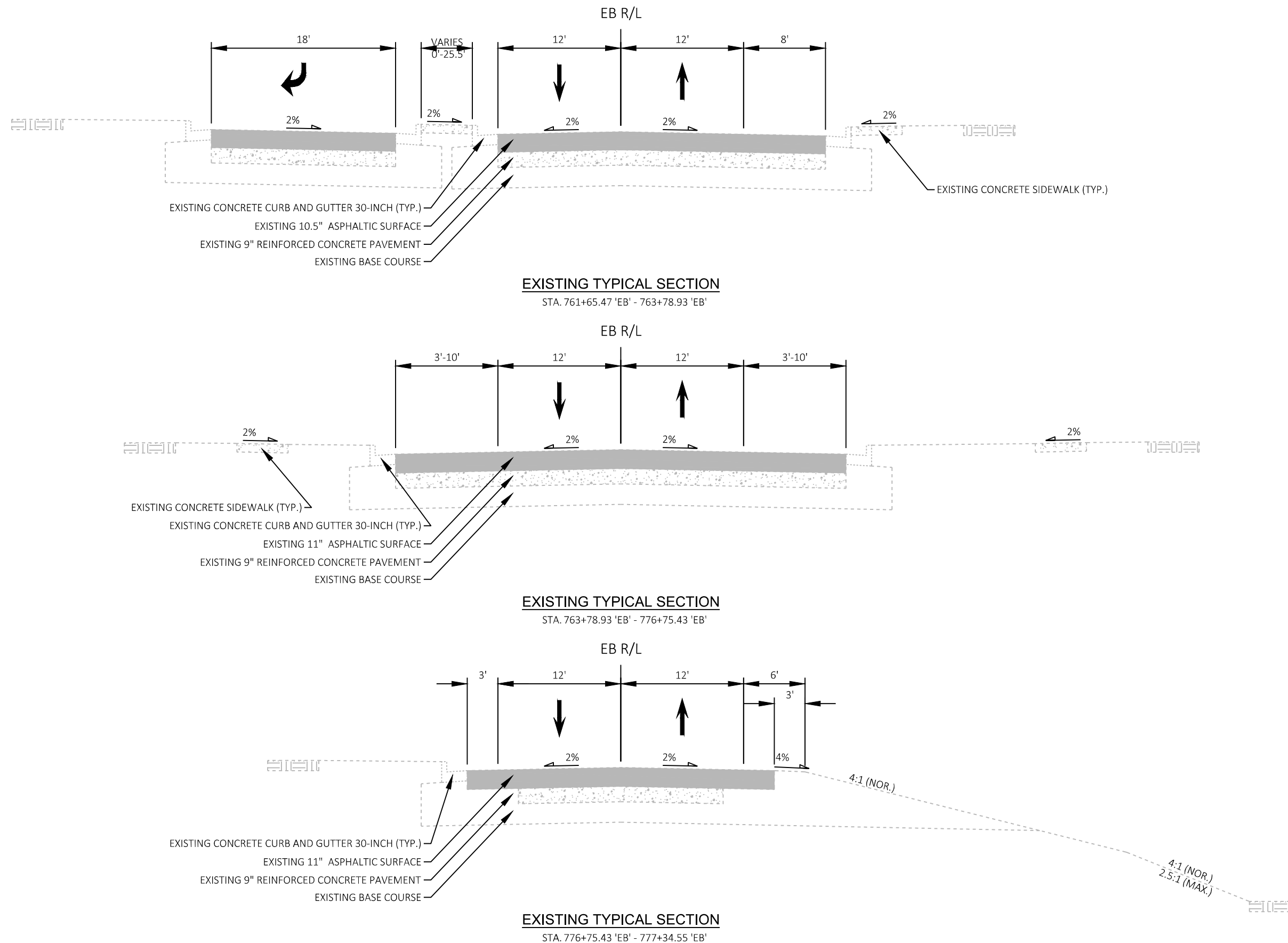
WISDOT/CADDS SHEET 42



PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	PROJECT OVERVIEW	SHEET	E
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PROJECT NO: 8949-00-71

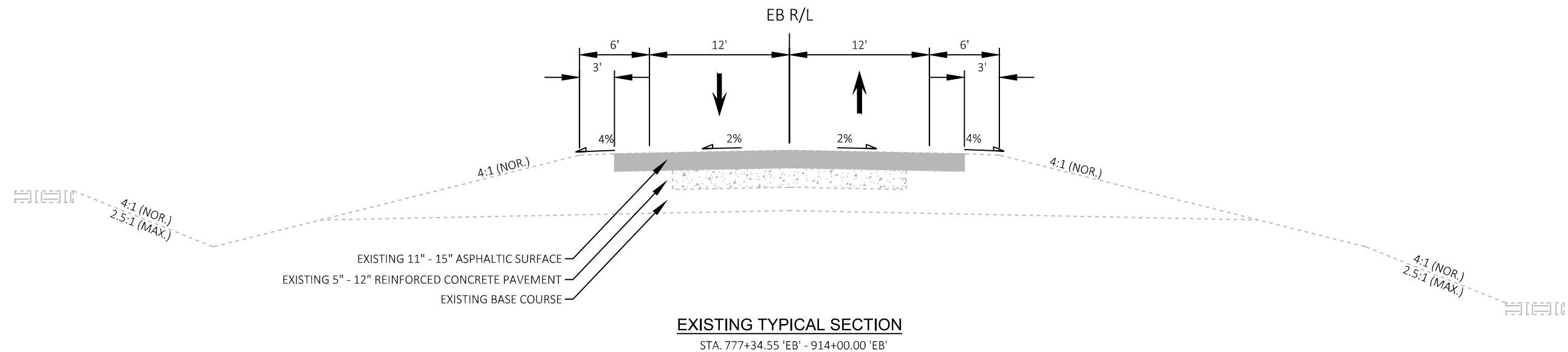
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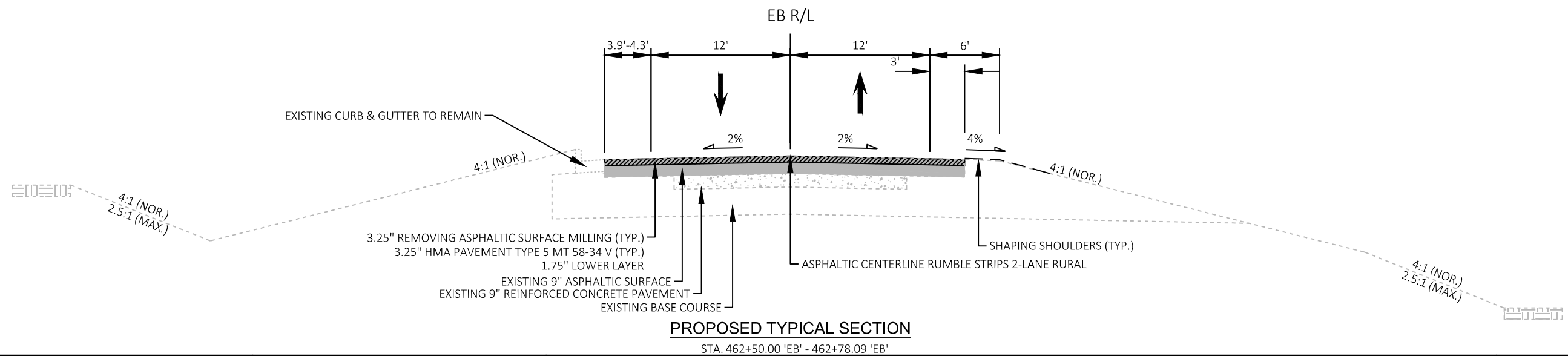
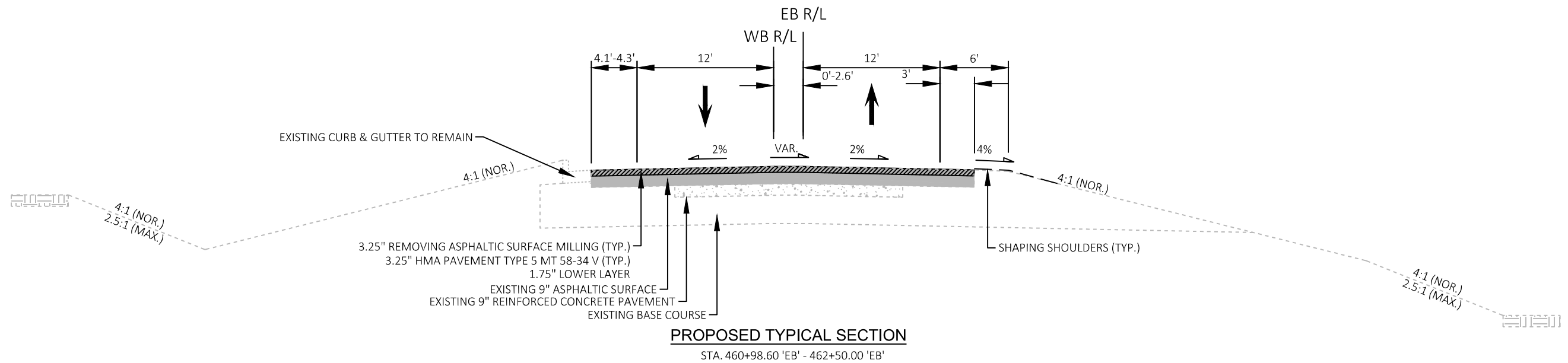
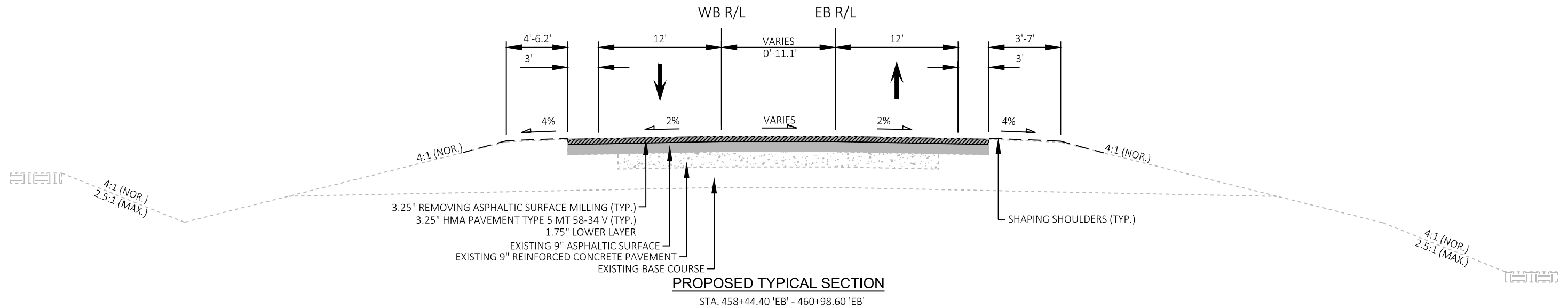
COUNTY: ST. CROIX

EXISTING TYPICAL SECTIONS

SHEET

E





PROJECT NO: 8949-00-71

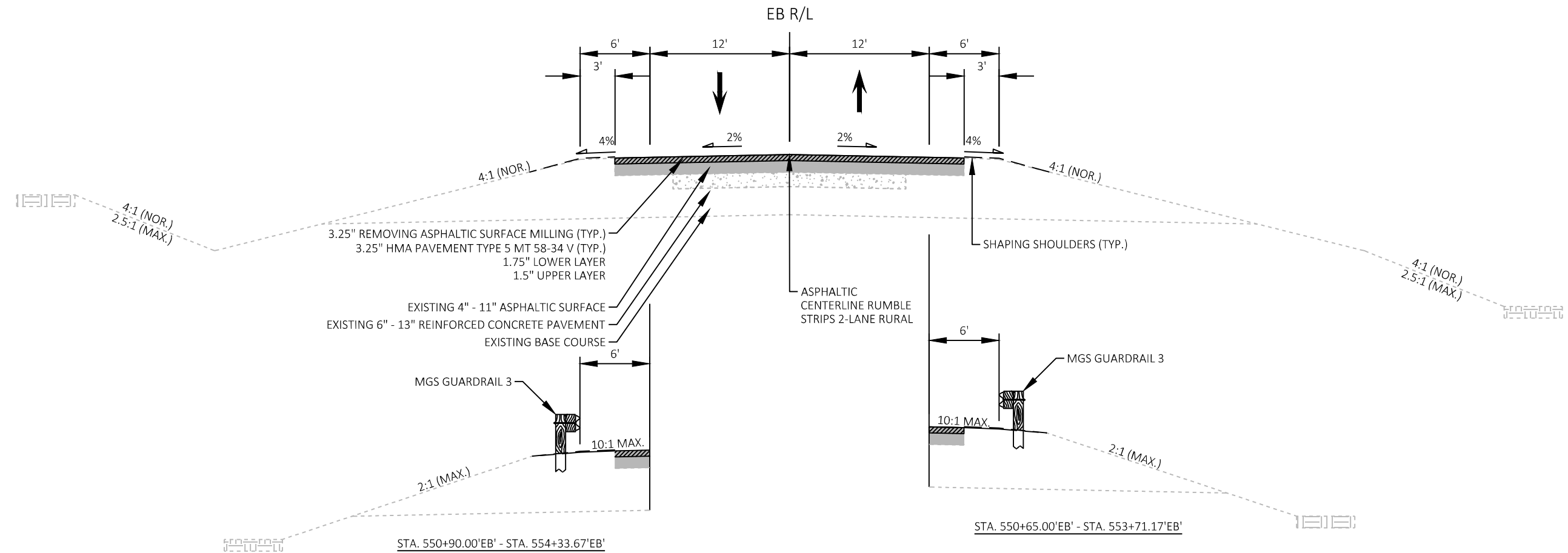
HWY: USH 12

COUNTY: ST. CROIX

PROPOSED TYPICAL SECTIONS

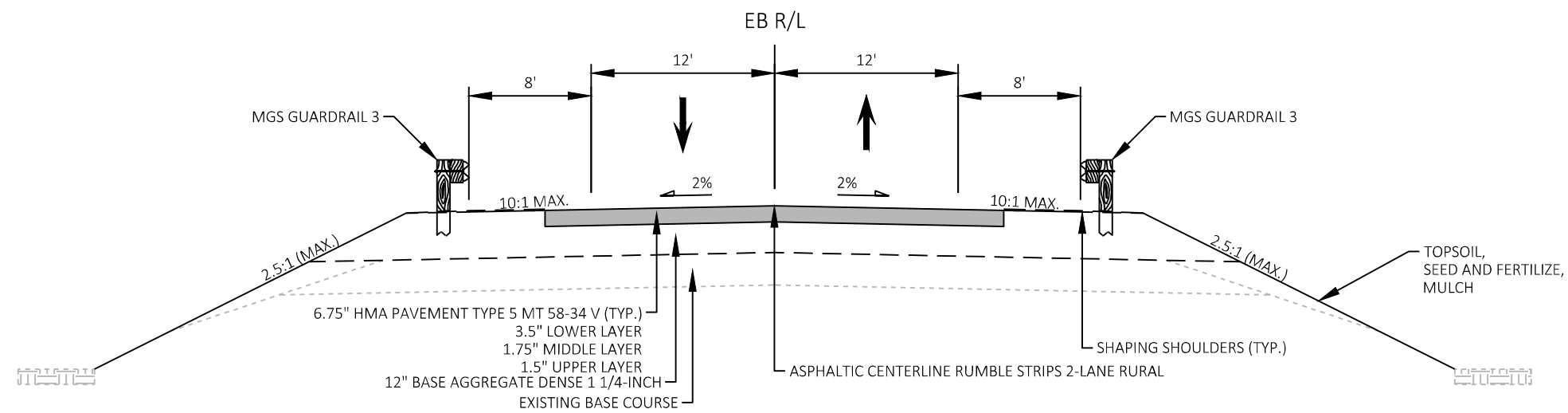
SHEET

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PROPOSED TYPICAL SECTION

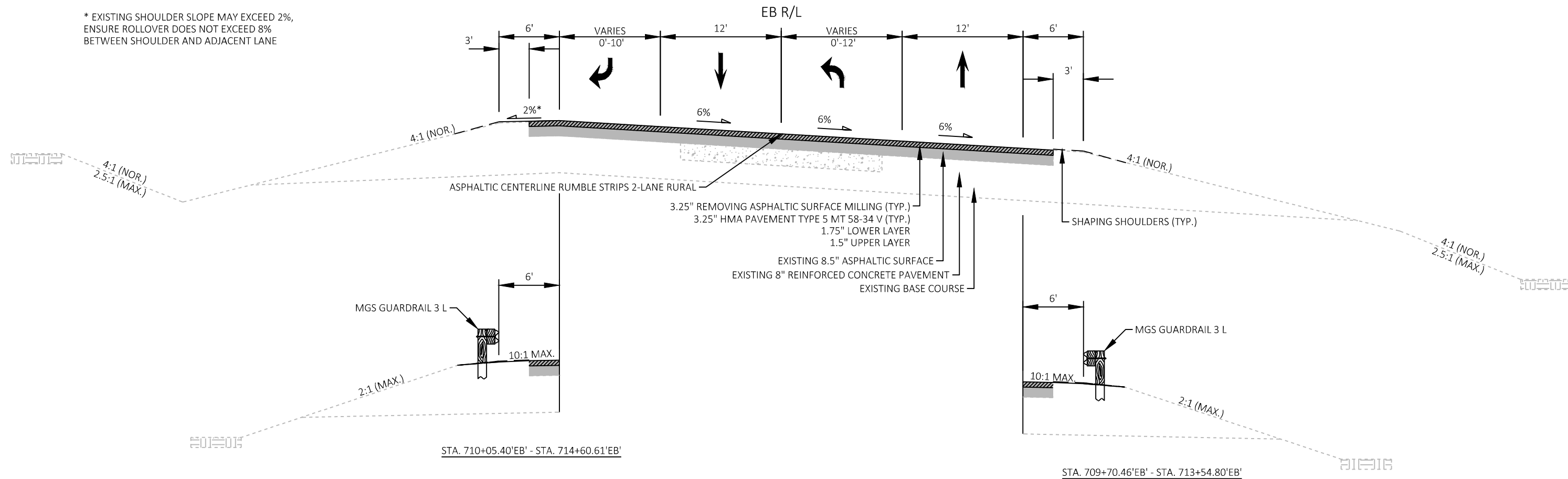
STA. 462+78.09 'EB' - 697+22.10 'EB'
STA. 702+97.90 'EB' - 709+70.46 'EB'
STA. 719+24.64 'EB' - 746+57.26 'EB'



PROPOSED TYPICAL SECTION

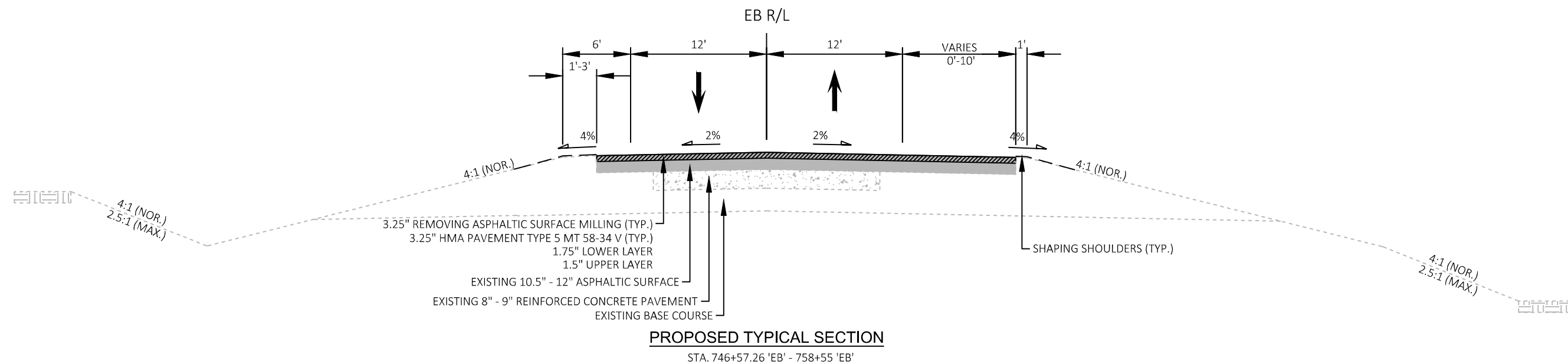
STA. 697+22.10 'EB' - 699+98.88 'EB'
STA. 700+21.13 'EB' - 702+97.90 'EB'

* EXISTING SHOULDER SLOPE MAY EXCEED 2%,
ENSURE ROLLOVER DOES NOT EXCEED 8%
BETWEEN SHOULDER AND ADJACENT LANE



PROPOSED TYPICAL SECTION

STA. 709+70.46 'EB' - 719+24.64 'EB'



PROPOSED TYPICAL SECTION

STA. 746+57.26 'EB' - 758+55 'EB'

PROJECT NO: 8949-00-71

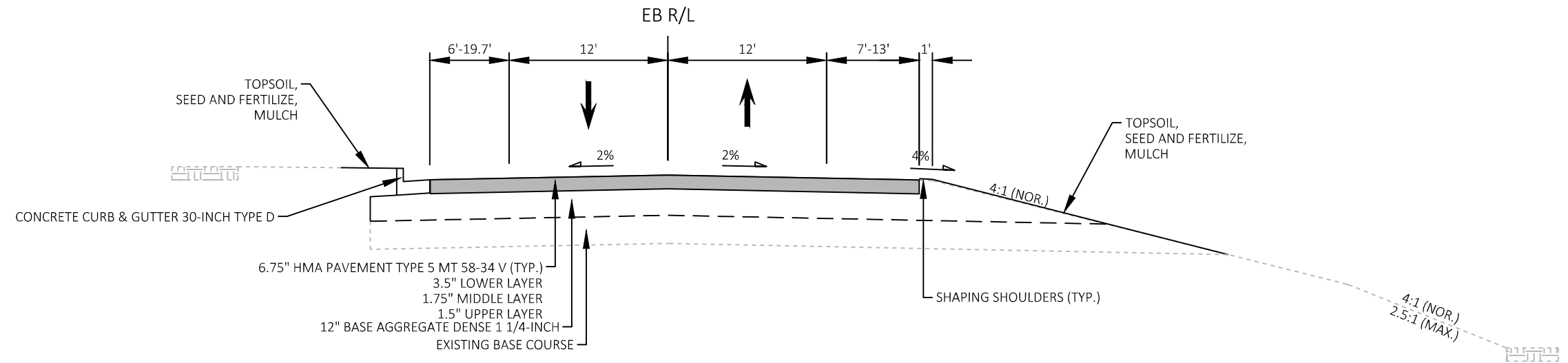
HWY: USH 12

COUNTY: ST. CROIX

PROPOSED TYPICAL SECTIONS

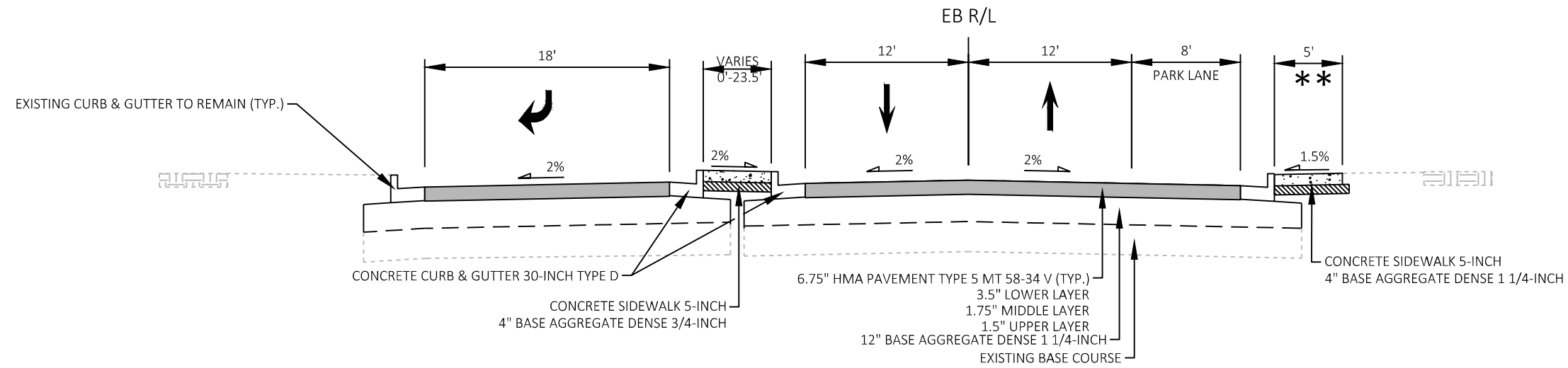
SHEET

E



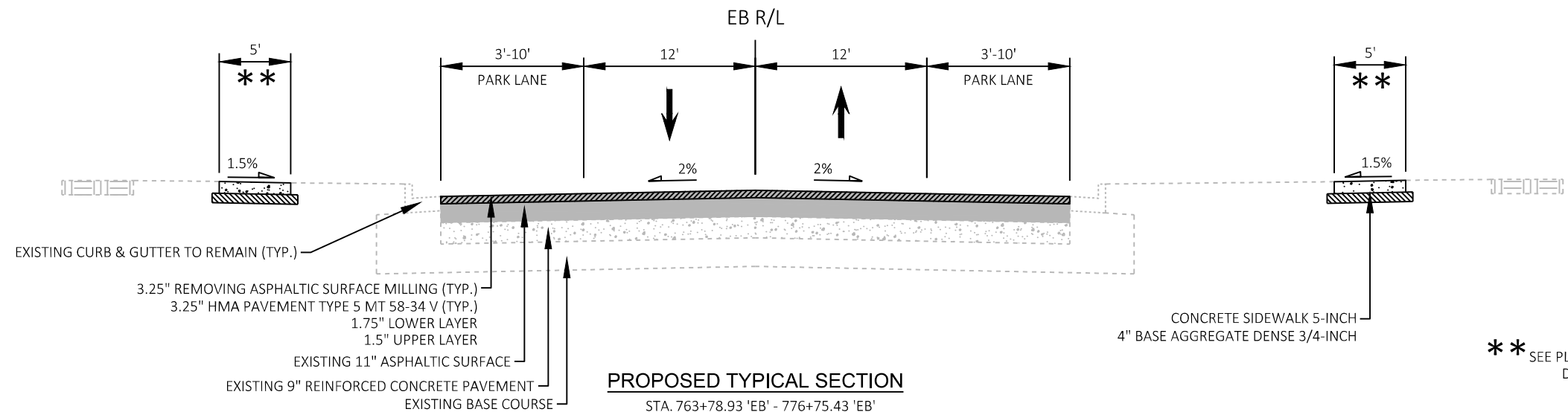
PROPOSED TYPICAL SECTION

STA. 758+55 'EB' - 761+65.47 'EB'



PROPOSED TYPICAL SECTION

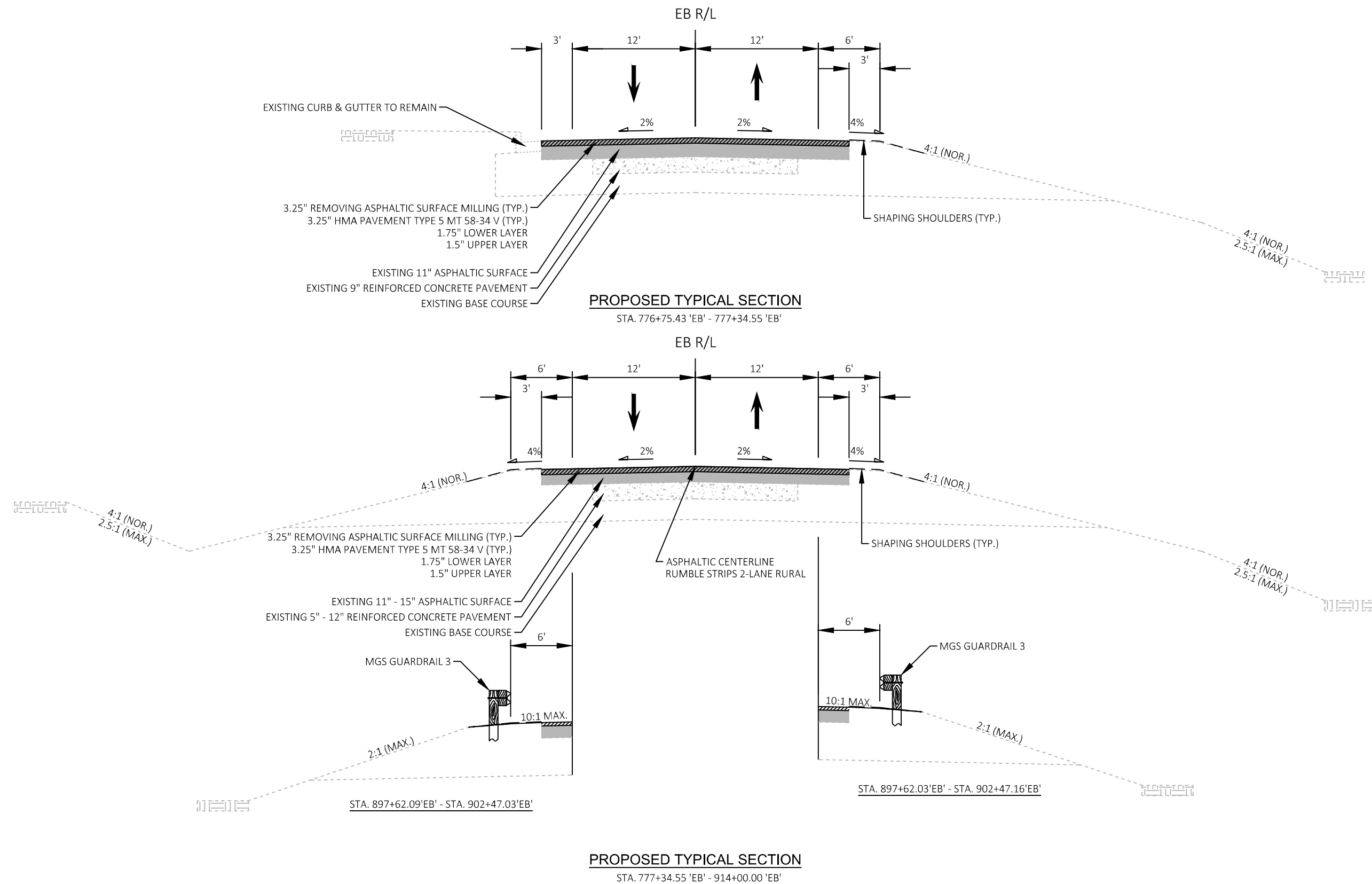
STA. 761+65.47 'EB' - 763+78.93 'EB'

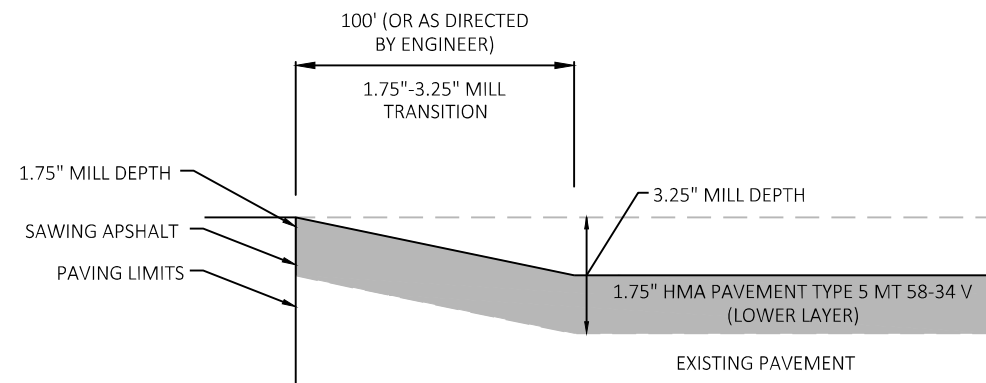


PROPOSED TYPICAL SECTION

STA. 763+78.93 'EB' - 776+75.43 'EB'

** SEE PLAN SHEETS AND CURB RAMP
DETAILS FOR LOCATIONS

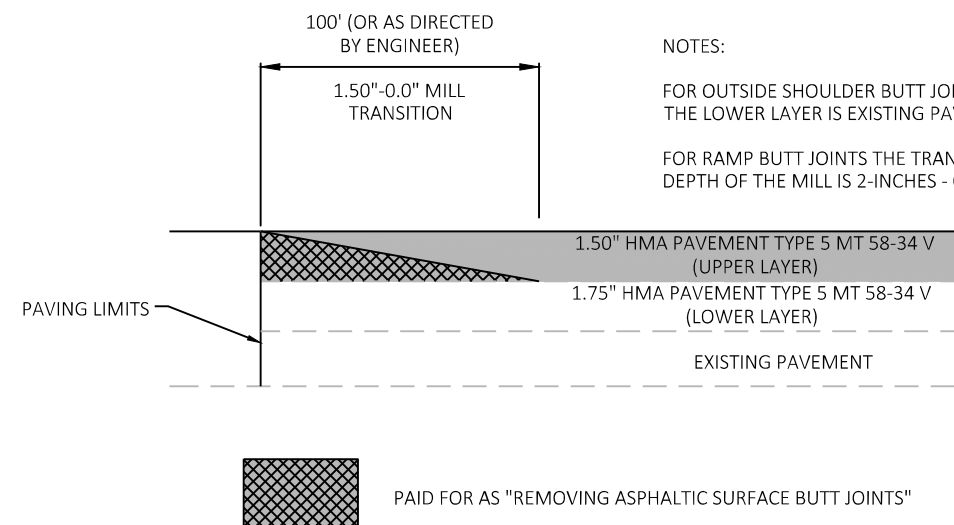




MILL AND REMOVE 3.25" OF EXISTING SURFACE, EXCEPT IN TRANSITION AREA
MILL AND REMOVE 1.75" TO 3.25" OF EXISTING SURFACE IN TRANSITION AREA
OVERLAY 1.75" HMA PAVEMENT TYPE 5 MT 58-34 V (LOWER LAYER)

USH 12 JOINT TRANSITION DETAIL: LOWER LAYER

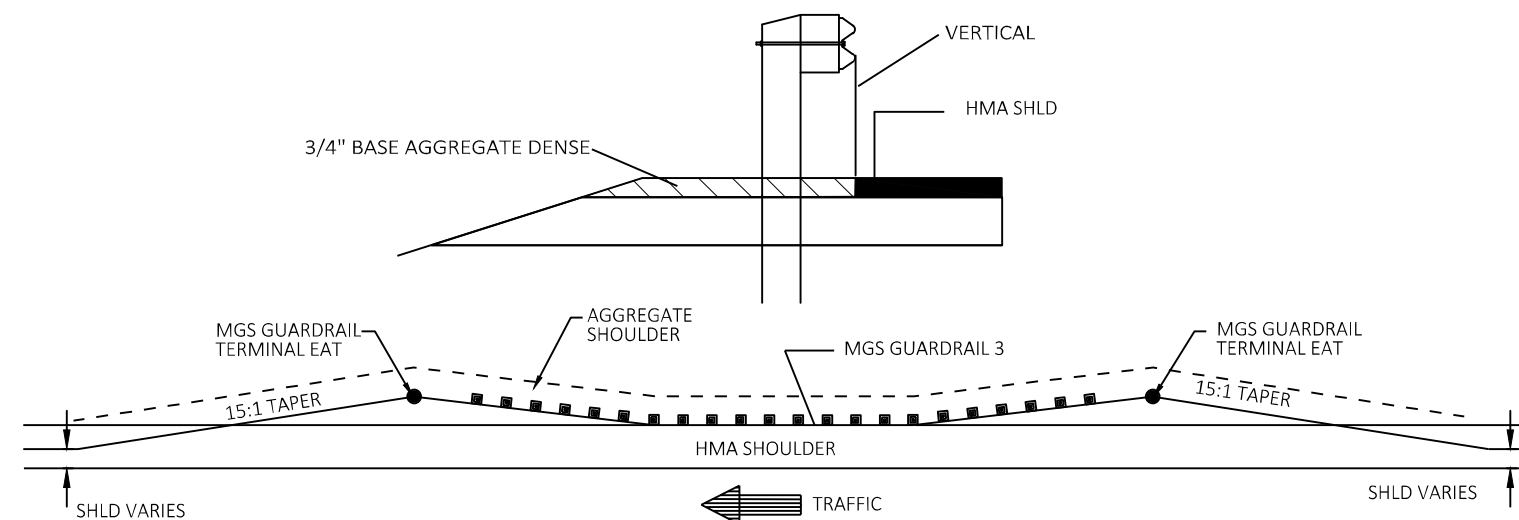
REQUIRED AT BEGINNING OF PROJECT
(EXACT LOCATION AND LENGTH TO BE DETERMINED BY THE ENGINEER)



PAID FOR AS "REMOVING ASPHALTIC SURFACE BUTT JOINTS"

USH 12 MAINLINE REMOVING ASPHALTIC SURFACE BUTT JOINT DETAIL: UPPER LAYER

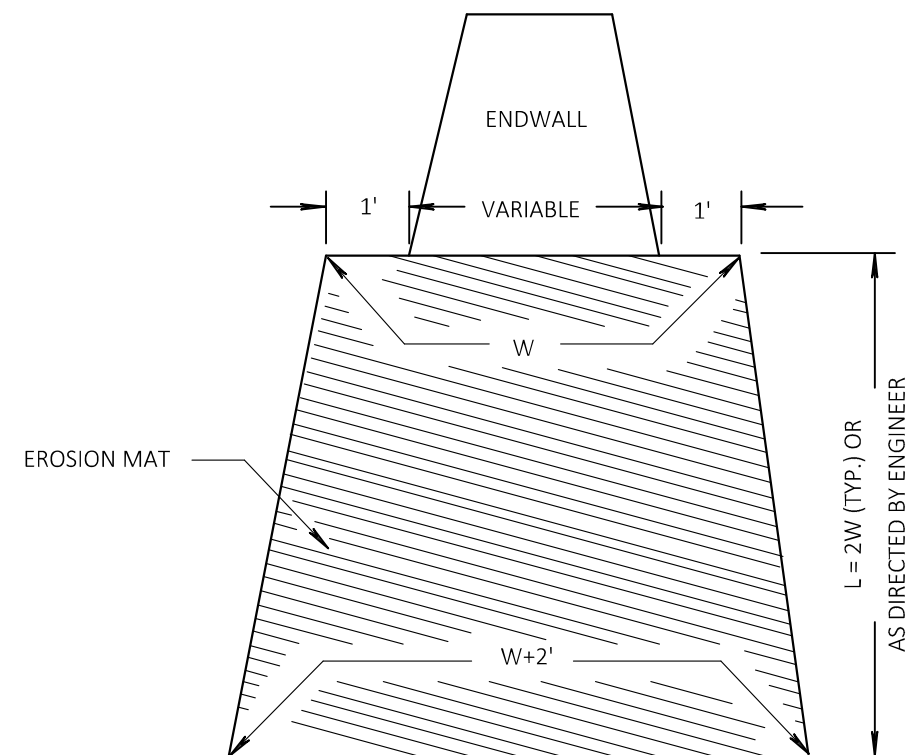
REQUIRED AT BEGINNING OF PROJECT
(EXACT LOCATION AND LENGTH TO BE DETERMINED BY THE ENGINEER)



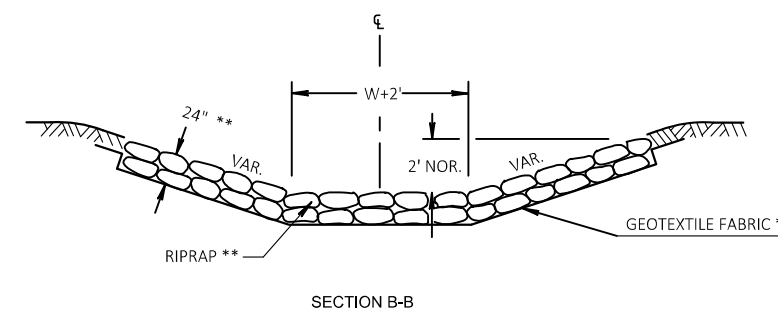
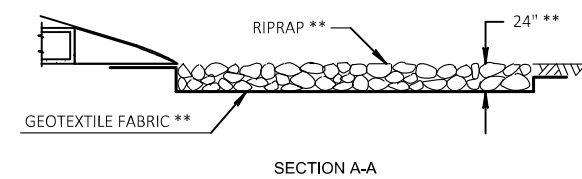
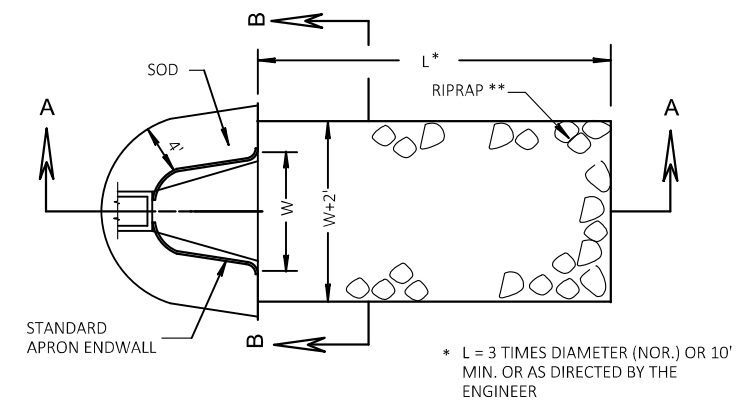
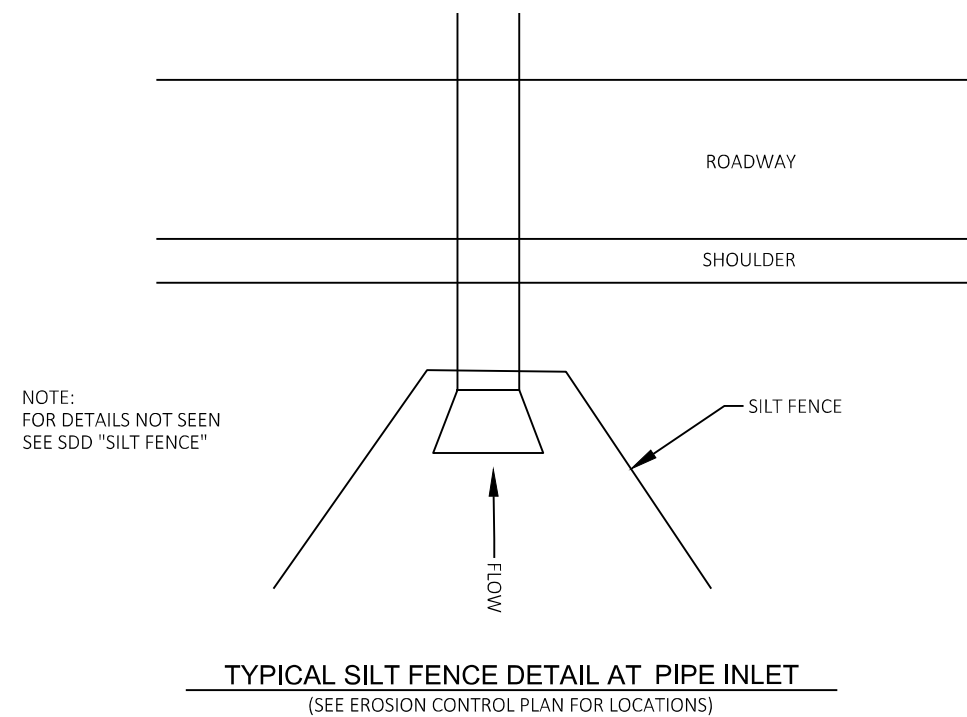
DETAIL FOR ASPHALTIC OR CONCRETE SHOULDER AT BEAM GUARD

(SEE PLAN AND PROFILES FOR LOCATIONS)

SEE S.D.D. "MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL",
"MIDWEST GUARDRAIL SYSTEM (MGS) EAT",
"MIDWEST GUARDRAIL SYSTEM (MGS) THRIE BEAM TRANSITION",
"MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 2 TERMINAL"
FOR DETAILS NOT SHOWN.



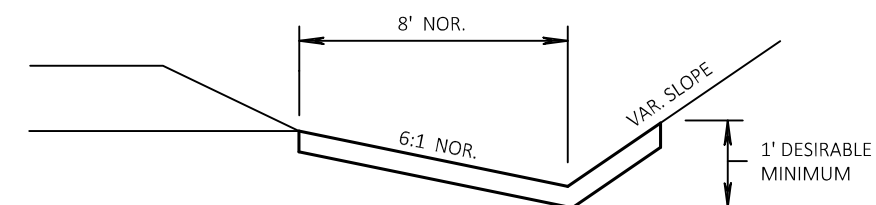
EROSION MAT TREATMENT AT CULVERTS



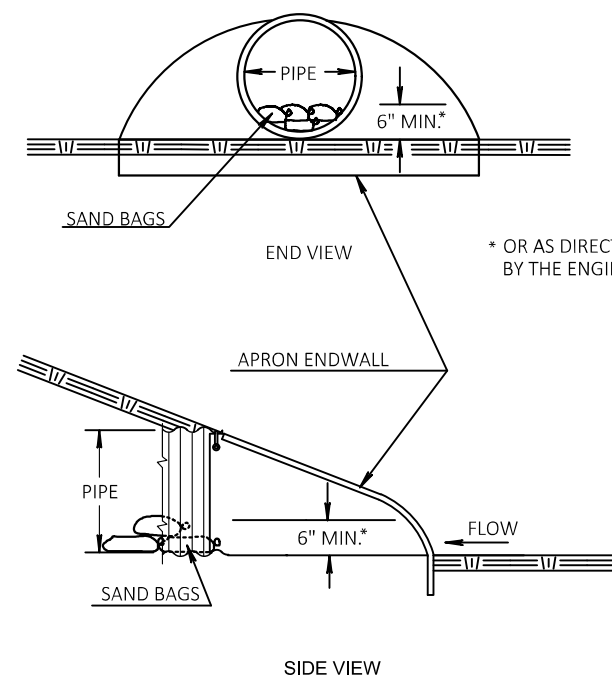
SOD, RIPRAP AND GEOTEXTILE FABRIC DETAIL
AT APRON ENDWALLS

** FOR RIPRAP HEAVY, USE 24" DEPTH AND
GEOTEXTILE FABRIC TYPE HR

FOR RIPRAP MEDIUM, USE 18" DEPTH AND
GEOTEXTILE FABRIC TYPE R



EROSION MAT DETAIL FOR DITCHES



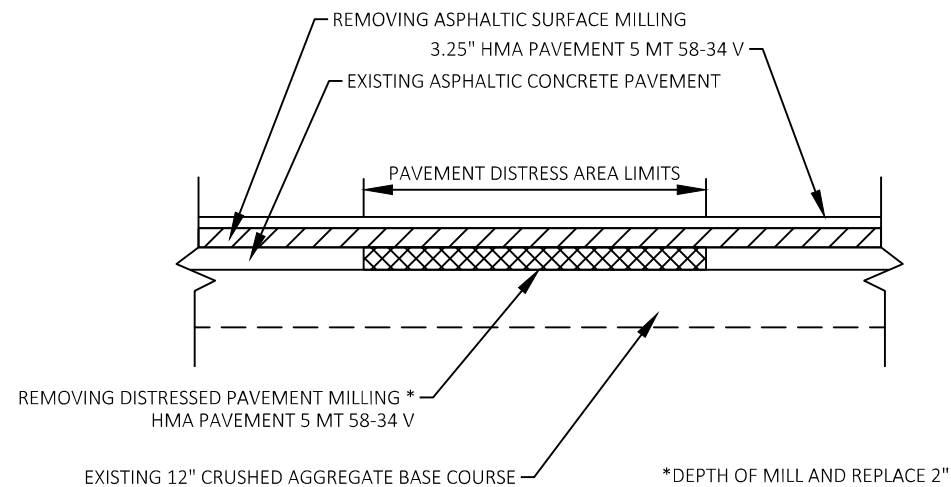
CULVERT PIPE CHECK

APPROXIMATE NUMBER OF ROCK BAGS REQUIRED BY PIPE SIZE

PIPE SIZE (IN)	ROCK BAGS (EACH)
12	1
15	1
18	1
24	2
30	2
36	3
42	5
48	6
54	8
19X30	2
24X38	2
34X53	3

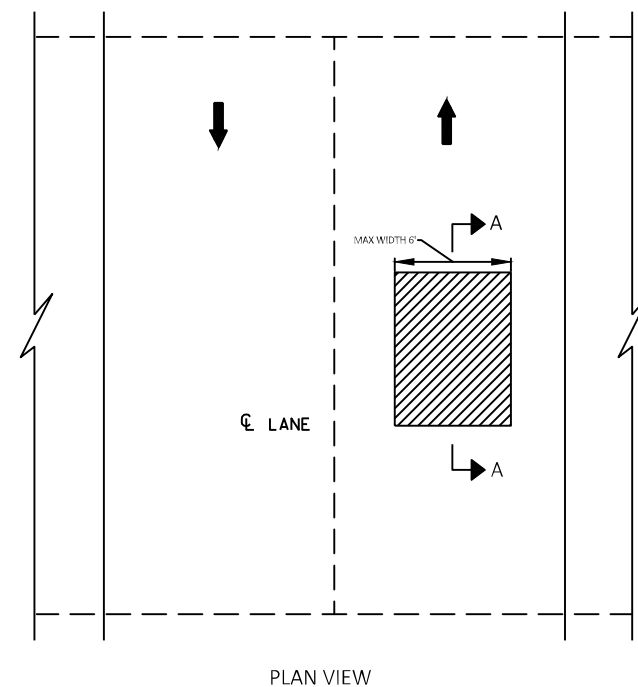
BASED ON A BAG SIZE OF 18"x12"x6"

* OR AS DIRECTED BY THE ENGINEER



PAVEMENT SECTION AT DISTRESS AREAS

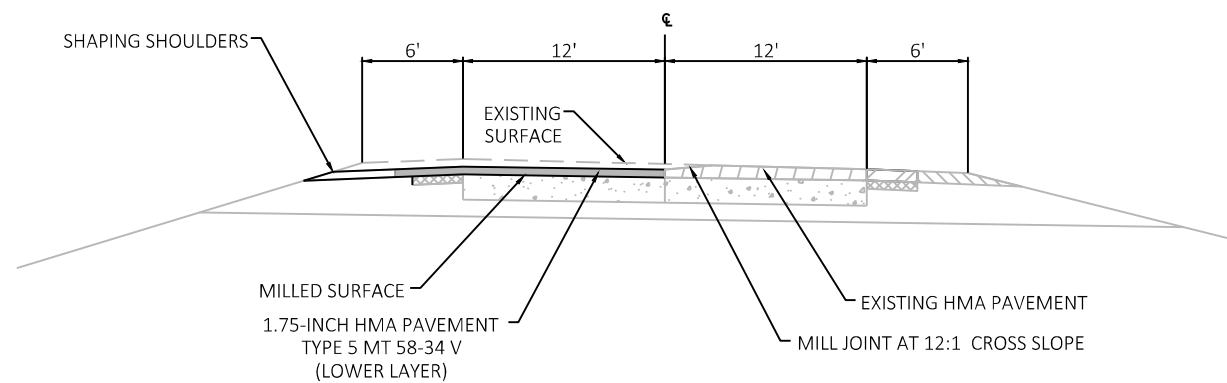
SECTION A-A



LANE REPAIR DETAIL

NOTES:

TEMPORARY LONGITUDINAL JOINT
MILLING TO BE PAID AS "MILLING AND
REMOVING TEMPORARY JOINT".

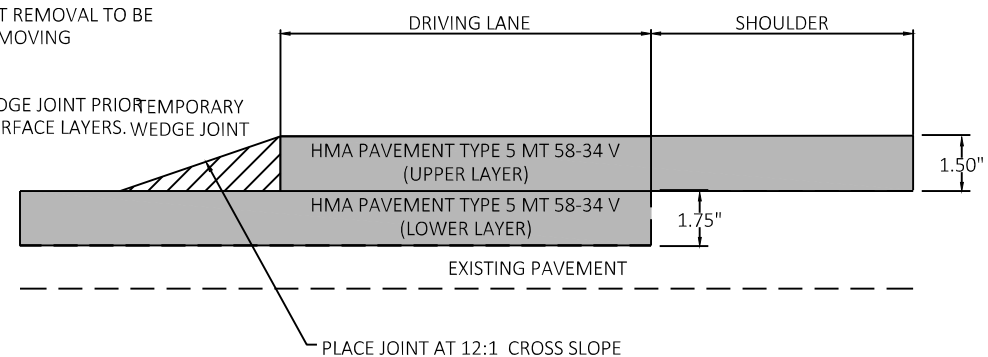
**TEMPORARY LONGITUDINAL JOINT DETAIL**

MILL JOINT PRIOR TO OPENING NEW PAVEMENT TO TRAFFIC

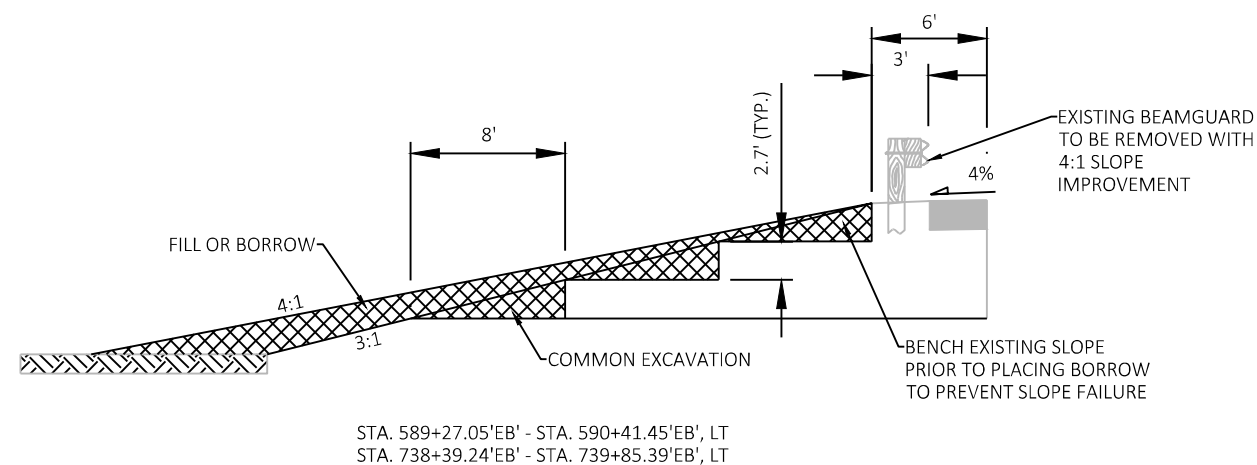
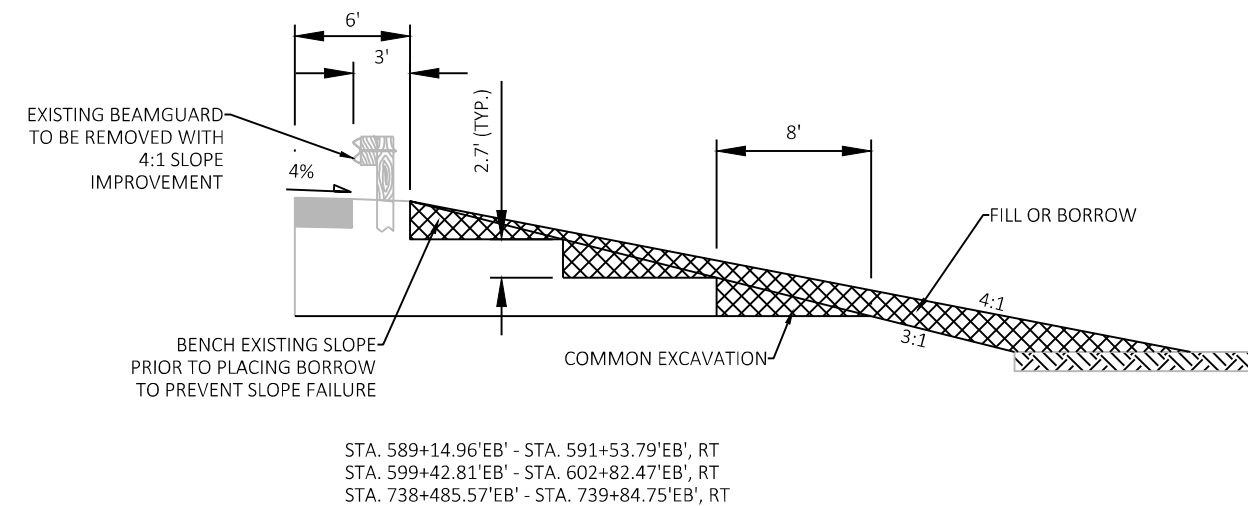
NOTES:

TEMPORARY WEDGE JOINT REMOVAL TO BE
PAID AS "MILLING AND REMOVING
TEMPORARY JOINT".

REMOVE TEMPORARY WEDGE JOINT PRIOR
TO PLACING ADJACENT SURFACE LAYERS. WEDGE JOINT

**TEMPORARY WEDGE JOINT DETAIL**

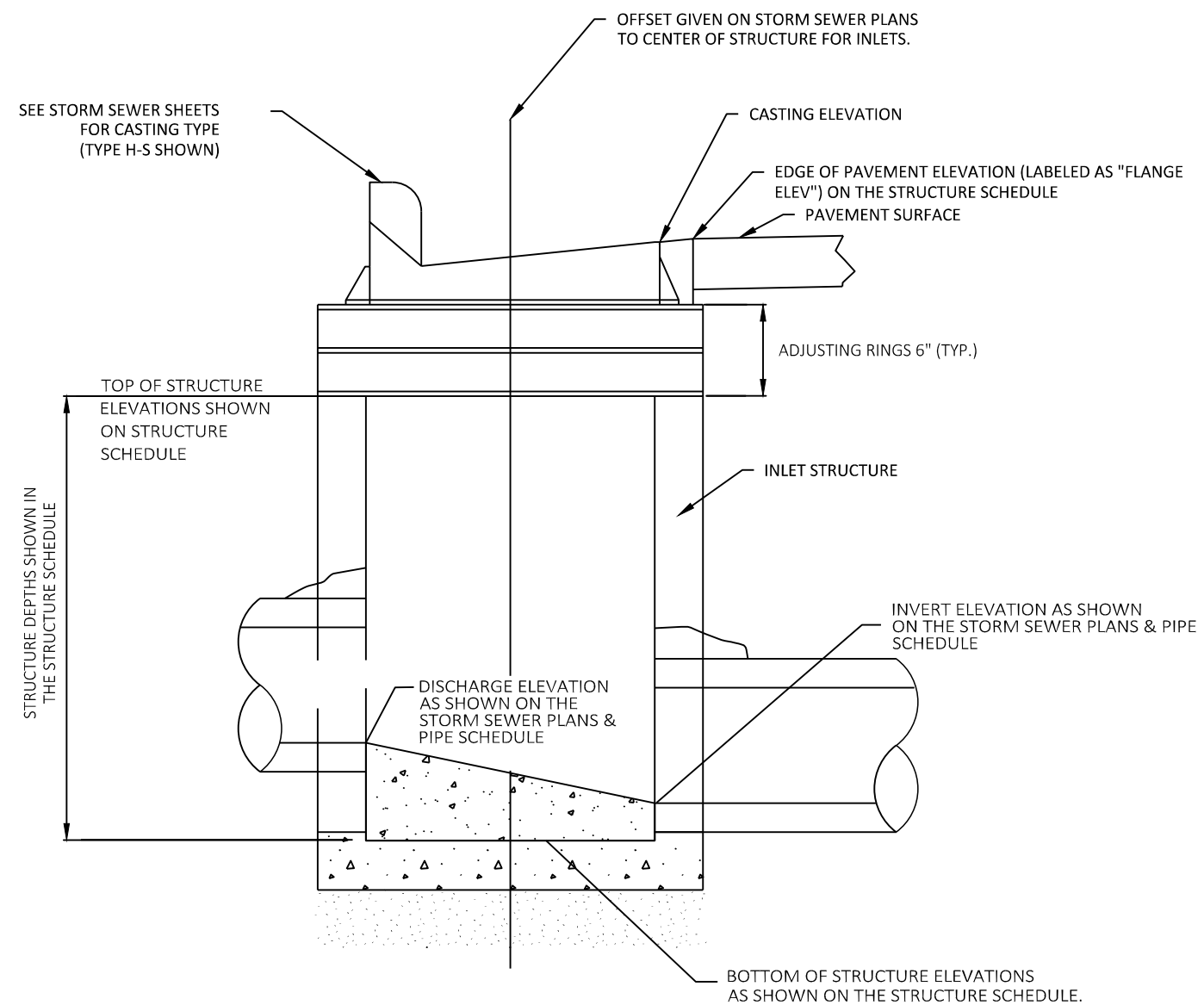
REQUIRED AT LONGITUDINAL JOINT PRIOR TO OPENING TO TRAFFIC

**SLOPE IMPROVEMENT DETAIL**

GENERAL NOTES:

GRANULAR BACKFILL REQUIRED AROUND INLET
(INCIDENTAL TO CONSTRUCTION OF INLET)

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



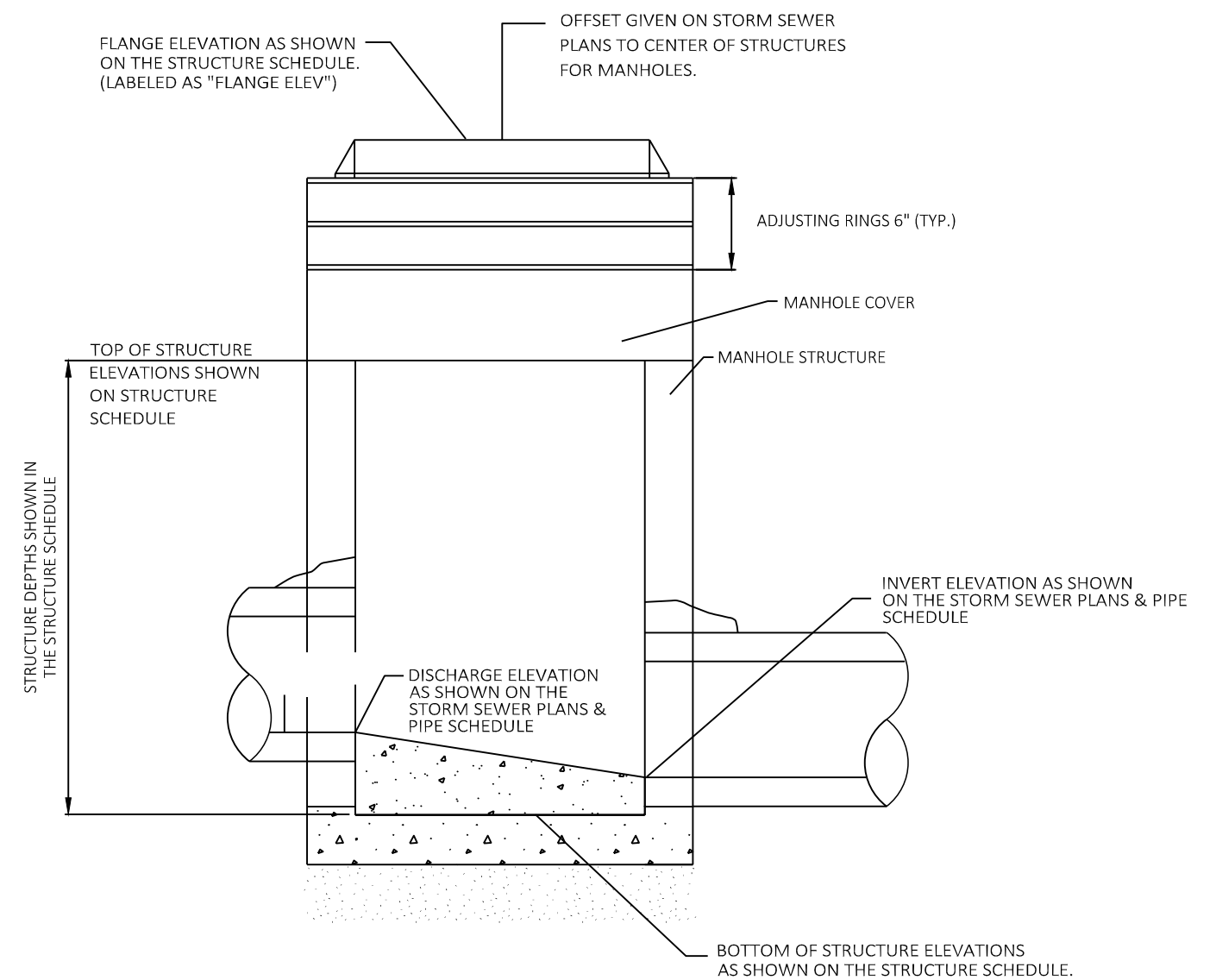
DETAIL OF INLET W/CASTING

(SEE STORM SEWER PLANS FOR LOCATIONS)

GENERAL NOTES:

GRANULAR BACKFILL REQUIRED AROUND MANHOLE
(INCIDENTAL TO CONSTRUCTION OF MANHOLE)

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



DETAIL OF MANHOLE W/CASTING

(SEE STORM SEWER PLANS FOR LOCATIONS)

PROJECT NO: 8949-00-71

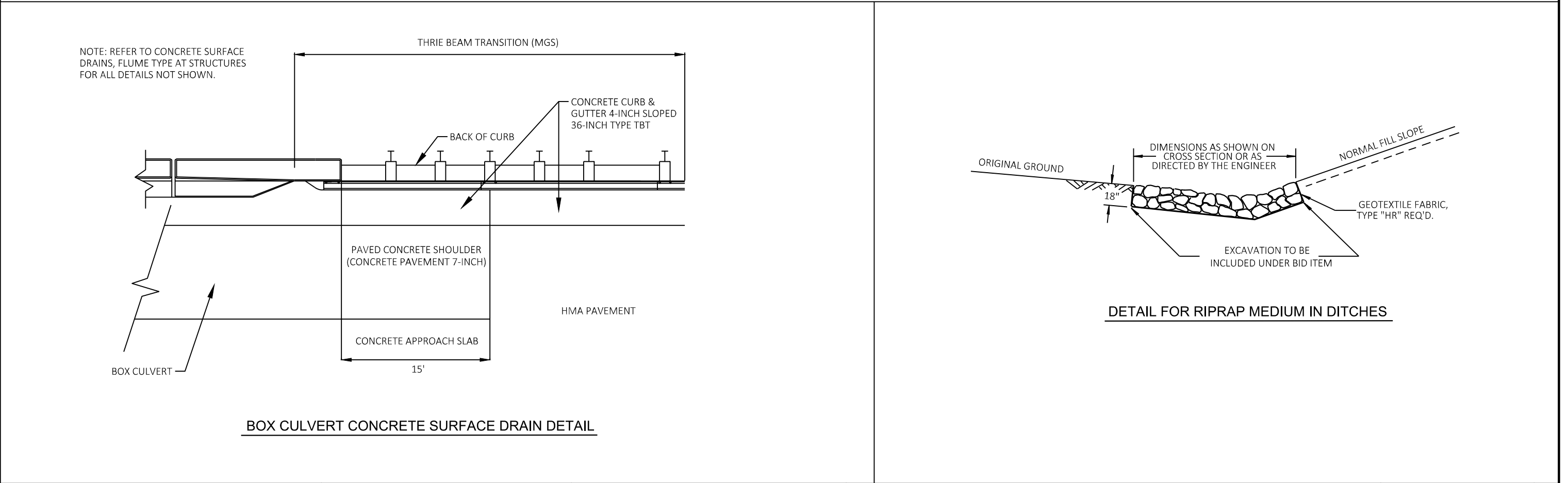
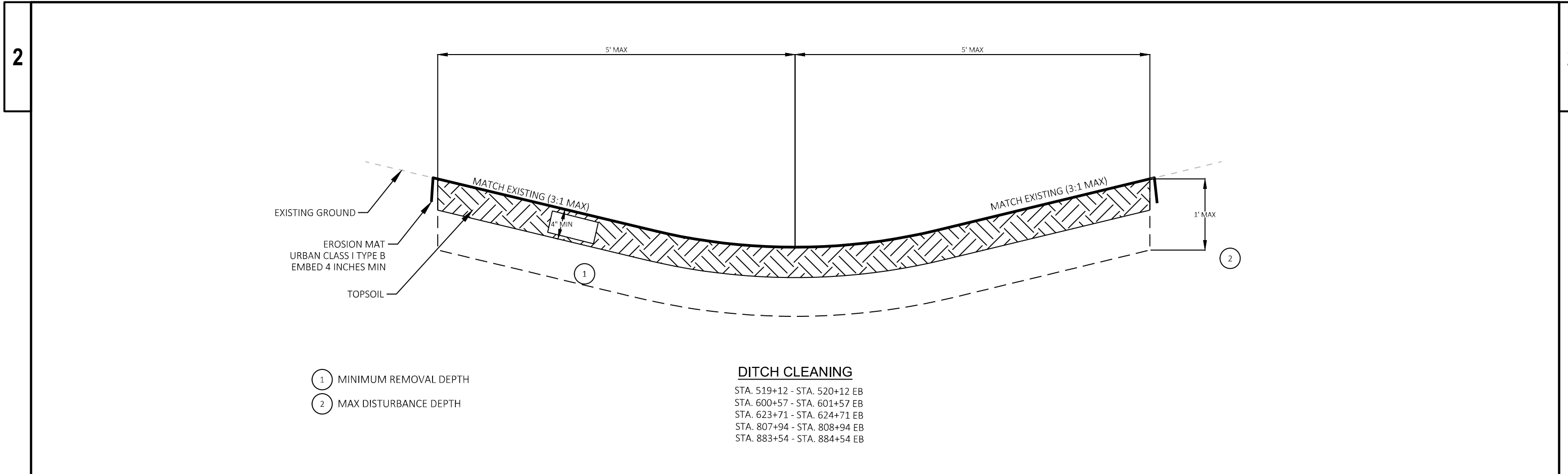
HWY: USH 12

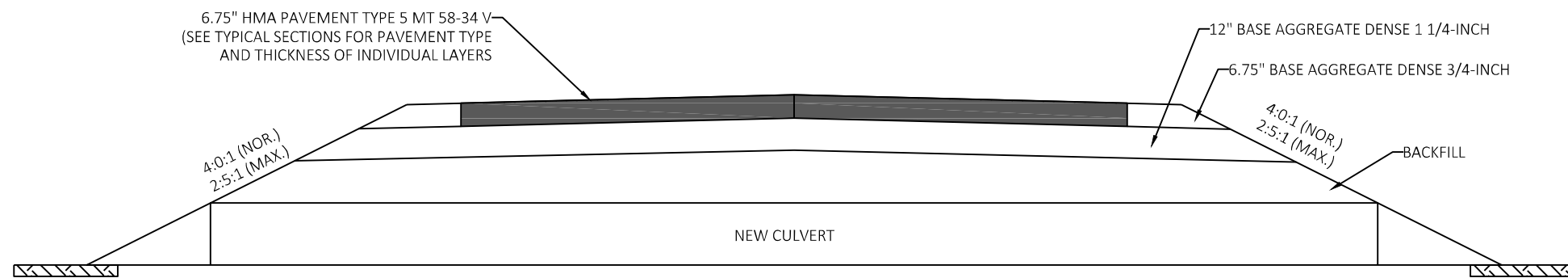
COUNTY: ST. CROIX

CONSTRUCTION DETAILS

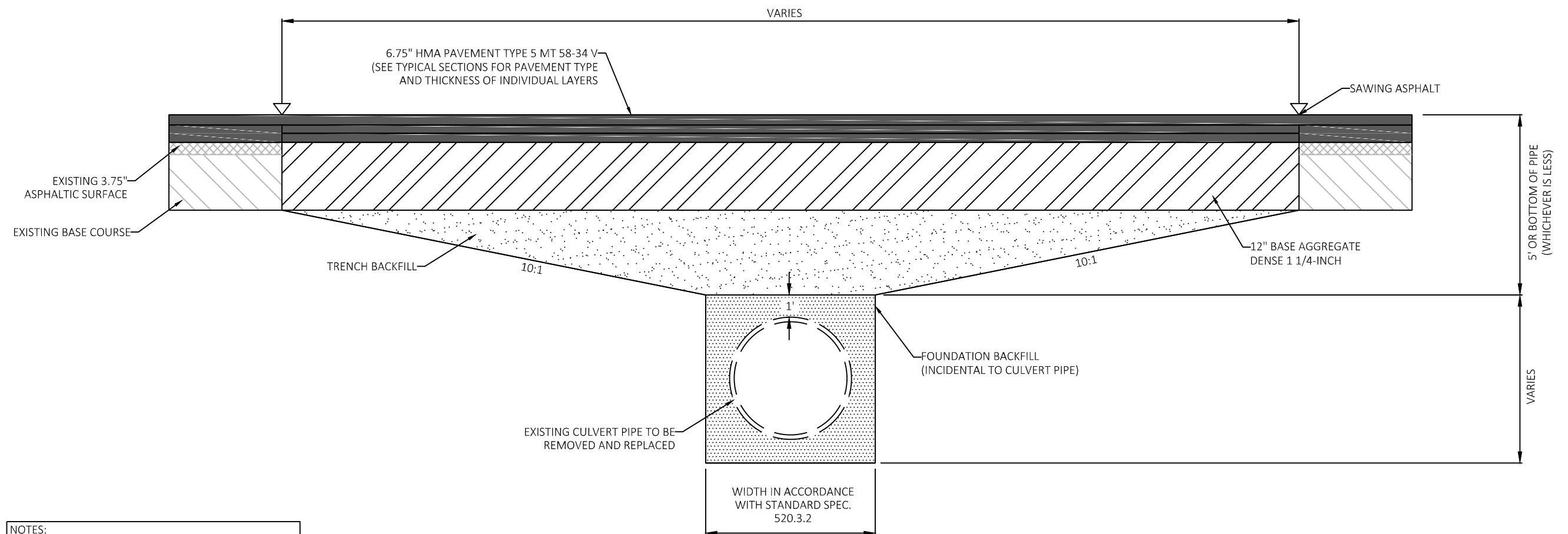
SHEET

E





CULVERT REPLACEMENT PAVEMENT STRUCTURE



NOTES:

1. REMOVAL OF EXISTING PAVEMENT STRUCTURE IS INCIDENTAL TO ITEMS ASSOCIATED WITH THE REMOVAL AND INSTALLATION OF CULVERT PIPES.
2. REFER TO SECTION 520 FOR PIPE INSTALLATION.
3. REPLACE HMA PAVEMENT FLUSH WITH EXISTING PAVEMENT.

CULVERT REPLACEMENT DETAIL

SEE PLAN SHEETS FOR LOCATIONS

PROJECT NO: 8949-00-71

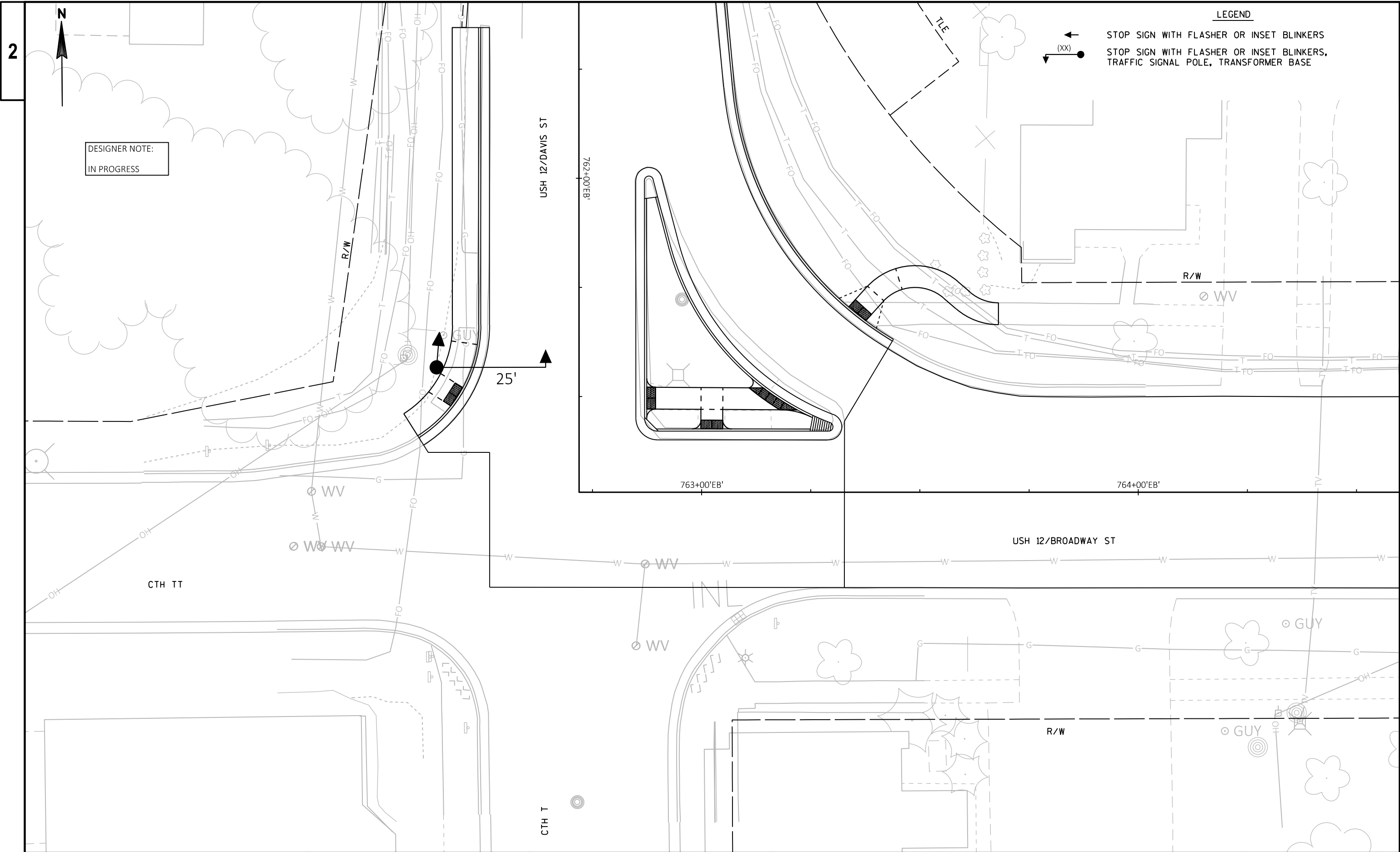
HWY: USH 12

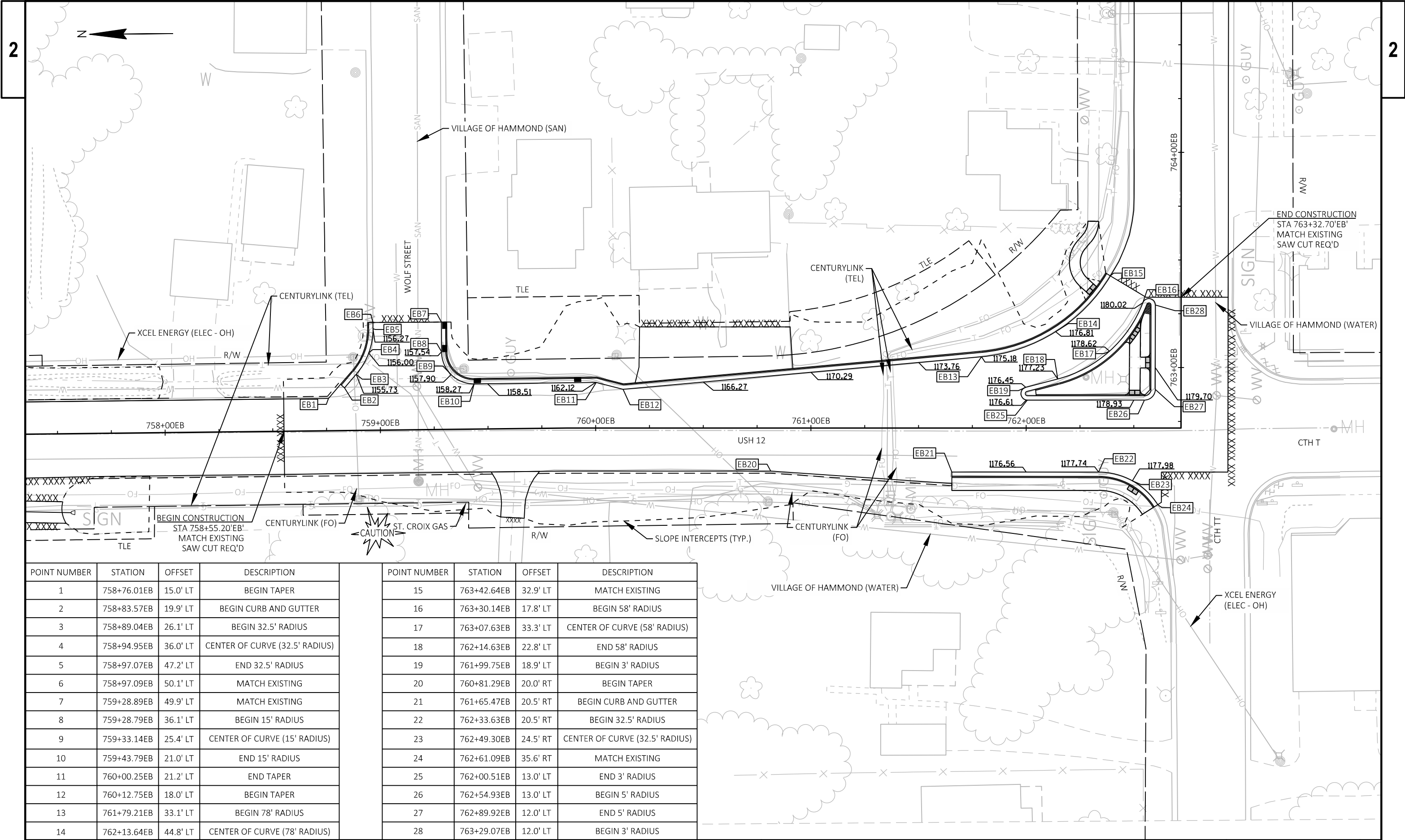
COUNTY: ST. CROIX

CONSTRUCTION DETAILS

SHEET

E





POINT NUMBER	STATION	OFFSET	DESCRIPTION
1	758+76.01EB	15.0' LT	BEGIN TAPER
2	758+83.57EB	19.9' LT	BEGIN CURB AND GUTTER
3	758+89.04EB	26.1' LT	BEGIN 32.5' RADIUS
4	758+94.95EB	36.0' LT	CENTER OF CURVE (32.5' RADIUS)
5	758+97.07EB	47.2' LT	END 32.5' RADIUS
6	758+97.09EB	50.1' LT	MATCH EXISTING
7	759+28.89EB	49.9' LT	MATCH EXISTING
8	759+28.79EB	36.1' LT	BEGIN 15' RADIUS
9	759+33.14EB	25.4' LT	CENTER OF CURVE (15' RADIUS)
10	759+43.79EB	21.0' LT	END 15' RADIUS
11	760+00.25EB	21.2' LT	END TAPER
12	760+12.75EB	18.0' LT	BEGIN TAPER
13	761+79.21EB	33.1' LT	BEGIN 78' RADIUS
14	762+13.64EB	44.8' LT	CENTER OF CURVE (78' RADIUS)

POINT NUMBER	STATION	OFFSET	DESCRIPTION
15	763+42.64EB	32.9' LT	MATCH EXISTING
16	763+30.14EB	17.8' LT	BEGIN 58' RADIUS
17	763+07.63EB	33.3' LT	CENTER OF CURVE (58' RADIUS)
18	762+14.63EB	22.8' LT	END 58' RADIUS
19	761+99.75EB	18.9' LT	BEGIN 3' RADIUS
20	760+81.29EB	20.0' RT	BEGIN TAPER
21	761+65.47EB	20.5' RT	BEGIN CURB AND GUTTER
22	762+33.63EB	20.5' RT	BEGIN 32.5' RADIUS
23	762+49.30EB	24.5' RT	CENTER OF CURVE (32.5' RADIUS)
24	762+61.09EB	35.6' RT	MATCH EXISTING
25	762+00.51EB	13.0' LT	END 3' RADIUS
26	762+54.93EB	13.0' LT	BEGIN 5' RADIUS
27	762+89.92EB	12.0' LT	END 5' RADIUS
28	763+29.07EB	12.0' LT	BEGIN 3' RADIUS



PROJECT NO: 8949-00-71

HWY: USH 12

COUNTY: ST. CROIX

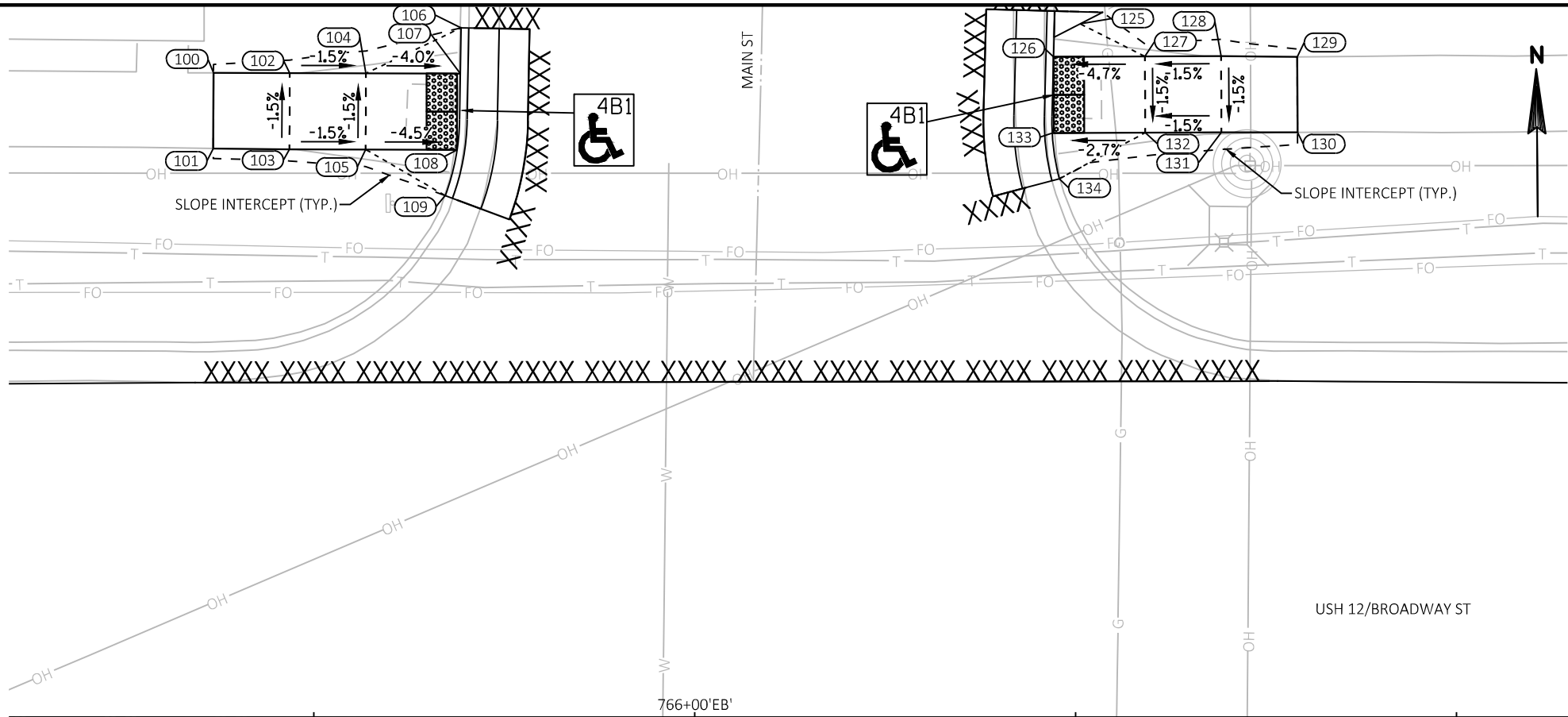
CURB RAMP DETAILS

SHEET

E

CURB RAMP DETAIL SHEETS			
POINT NO.	STATION	OFFSET	ELEVATION
100	765+68.42'EB'	42.28' LT	---
101	765+68.41'EB'	37.32' LT	---
102	765+73.42'EB'	42.27' LT	1182.456
103	765+73.41'EB'	37.27' LT	1182.531
104	765+78.42'EB'	42.26' LT	1182.381
105	765+78.41'EB'	37.26' LT	1182.456
106	765+84.67'EB'	45.24' LT	---
107	765+84.61'EB'	42.24' LT	1182.135
108	765+84.39'EB'	37.24' LT	1182.187
109	765+83.62'EB'	34.24' LT	---
125	766+25.30'EB'	45.50' LT	---
126	766+23.55'EB'	43.34' LT	1182.719
127	766+29.55'EB'	43.36' LT	1183.004
128	766+34.55'EB'	43.38' LT	1183.079
129	766+39.55'EB'	43.33' LT	---
130	766+39.57'EB'	38.39' LT	---
131	766+34.57'EB'	38.38' LT	1183.004
132	766+29.57'EB'	38.36' LT	1182.929
133	766+23.47'EB'	38.34' LT	1182.764
134	766+23.93'EB'	35.34' LT	---

--- DENOTES "MATCH EXISTING"



CURB RAMP DETAIL SHEETS			
POINT NO.	STATION	OFFSET	ELEVATION
150	765+58.32'EB'	41.25' RT	---
151	765+58.35'EB'	46.24' RT	---
152	765+73.32'EB'	41.15' RT	1182.323
153	765+73.35'EB'	46.15' RT	1182.248
154	765+78.32'EB'	41.12' RT	1182.248
155	765+78.35'EB'	46.12' RT	1182.173
156	765+84.20'EB'	38.07' RT	---
157	765+84.32'EB'	41.07' RT	1182.025
158	765+84.36'EB'	46.07' RT	1181.889
159	765+84.39'EB'	49.07' RT	---
175	766+22.86'EB'	38.93' RT	---
176	766+22.92'EB'	41.93' RT	1181.870
177	766+22.96'EB'	46.93' RT	1181.754
178	766+23.01'EB'	49.93' RT	---
179	766+32.92'EB'	41.85' RT	1182.184
180	766+32.96'EB'	46.85' RT	1182.114
181	766+37.92'EB'	41.76' RT	---
182	766+37.96'EB'	46.81' RT	---

--- DENOTES "MATCH EXISTING"

NOTE:

CONCRETE SIDEWALK 5-INCH OVER 4-INCH
BASE AGGREGATE DENSE 3/4-INCH.

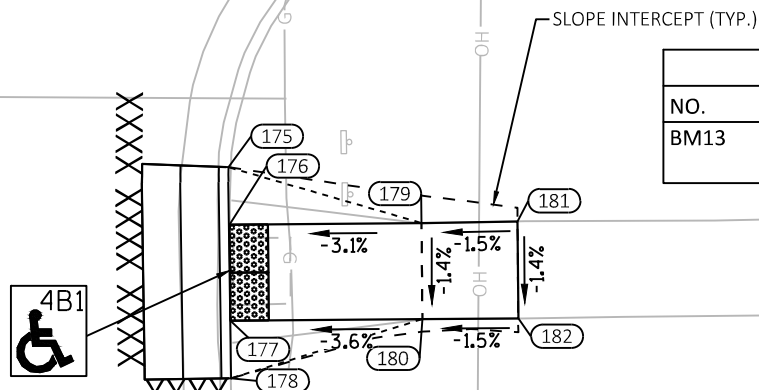
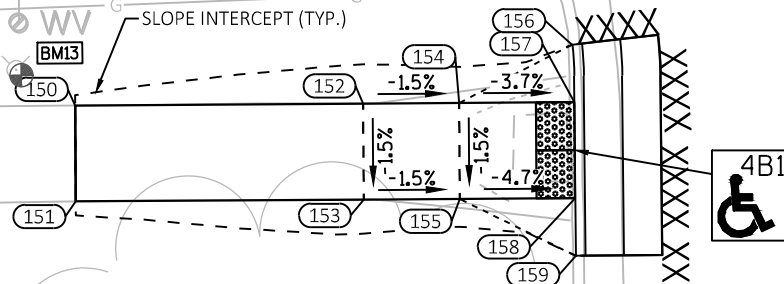
REMOVE CURB AND GUTTER TO NEAREST
JOINT.

MINOR EXCAVATION REQUIRED TO GRADE
FOR FINISHED SIDEWALK SHALL BE
CONSIDERED INCIDENTAL TO CONCRETE
SIDEWALK 5-INCH BID ITEM.

CURB RAMP DETAIL

BROADWAY STREET/S MAIN STREET

THIS DETAIL SUPPLEMENTS STANDARD
DETAIL DRAWINGS CURB RAMPS TYPES 1
AND 1A, CURB RAMPS TYPES 2 AND 3,
CURB RAMPS TYPE 4A AND 4A1, CURB
RAMPS TYPE 4B AND 4B1, AND CURB
RAMPS TYPES 5, 6, 7A, 7B, AND 8.



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM13	765+55.51EB 40'RT	CUT X SE FLANGE BOLT W/ BURY 8-6 TAG HYD	1185.10

PROJECT NO: 8949-00-71

HWY: USH 12

COUNTY: ST. CROIX

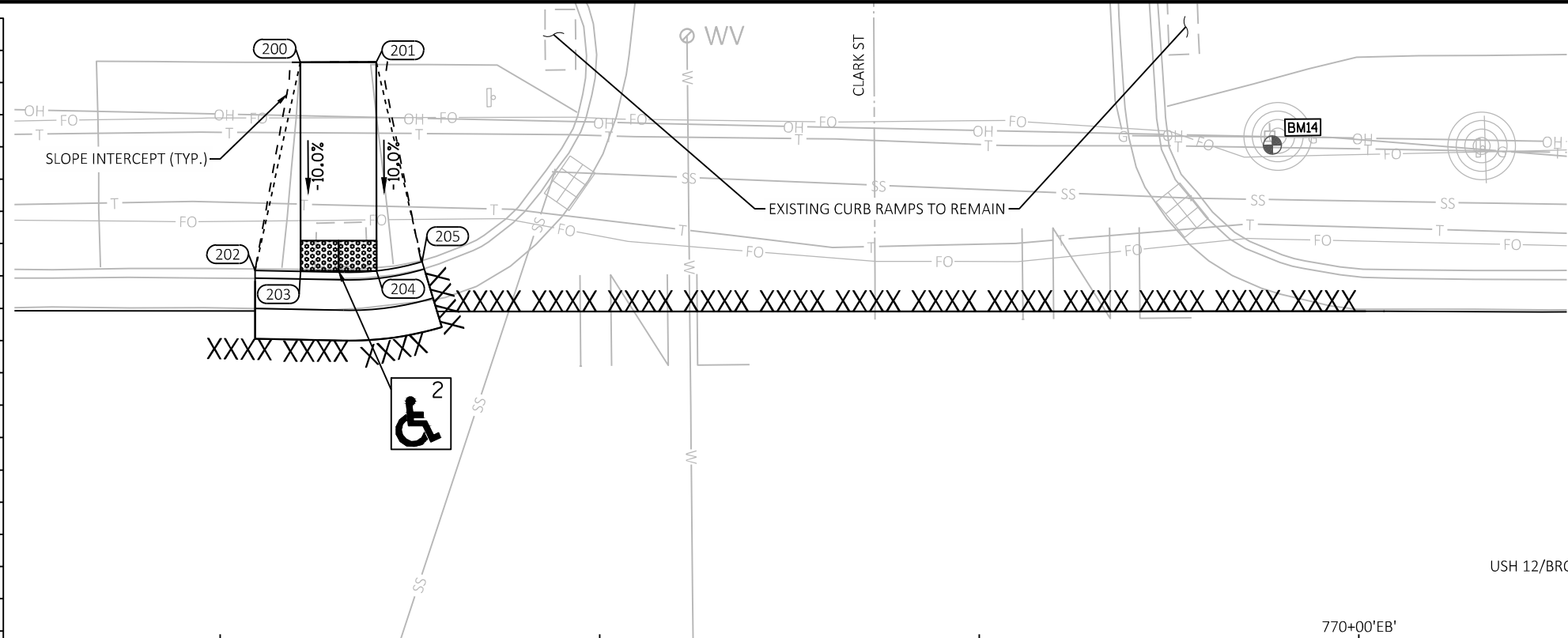
CURB RAMP DETAILS

SHEET

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CURB RAMP DETAIL SHEETS			
POINT NO.	STATION	OFFSET	ELEVATION
200	769+30.29'EB'	38.04' LT	---
201	769+35.29'EB'	38.04' LT	---
202	769+27.30'EB'	24.32' LT	---
203	769+30.30'EB'	24.28' LT	1181.668
204	769+35.30'EB'	24.29' LT	1181.546
205	769+38.30'EB'	24.90' LT	---
225	769+30.63'EB'	24.59' RT	---
226	769+32.46'EB'	24.80' RT	1181.511
227	769+37.46'EB'	24.73' RT	1181.466
228	769+40.47'EB'	25.52' RT	---
229	769+27.70'EB'	43.72' RT	---
230	769+27.58'EB'	48.70' RT	---
231	769+32.70'EB'	43.86' RT	1180.407
232	769+32.58'EB'	48.85' RT	1180.332
233	769+37.70'EB'	43.97' RT	1180.332
234	769+37.58'EB'	48.97' RT	1180.257
235	769+49.93'EB'	41.27' RT	---
236	769+49.95'EB'	44.27' RT	1180.091
237	769+49.99'EB'	49.27' RT	1179.843
238	769+50.01'EB'	52.28' RT	---

--- DENOTES "MATCH EXISTING"



CURB RAMP DETAIL SHEETS			
POINT NO.	STATION	OFFSET	ELEVATION
250	769+86.60'EB'	41.58' RT	---
251	769+86.66'EB'	44.58' RT	1180.137
252	769+86.74'EB'	49.58' RT	1179.904
253	769+86.79'EB'	52.58' RT	---
254	769+96.81'EB'	44.72' RT	1180.307
255	769+96.74'EB'	49.72' RT	1180.232
256	770+01.81'EB'	44.79' RT	1180.232
257	770+01.74'EB'	49.79' RT	1180.157
258	770+06.81'EB'	44.87' RT	---
259	770+06.74'EB'	49.88' RT	---

--- DENOTES "MATCH EXISTING"

NOTE:

CONCRETE SIDEWALK 5-INCH OVER 4-INCH
BASE AGGREGATE DENSE 3/4-INCH.

REMOVE CURB AND GUTTER TO NEAREST JOINT.

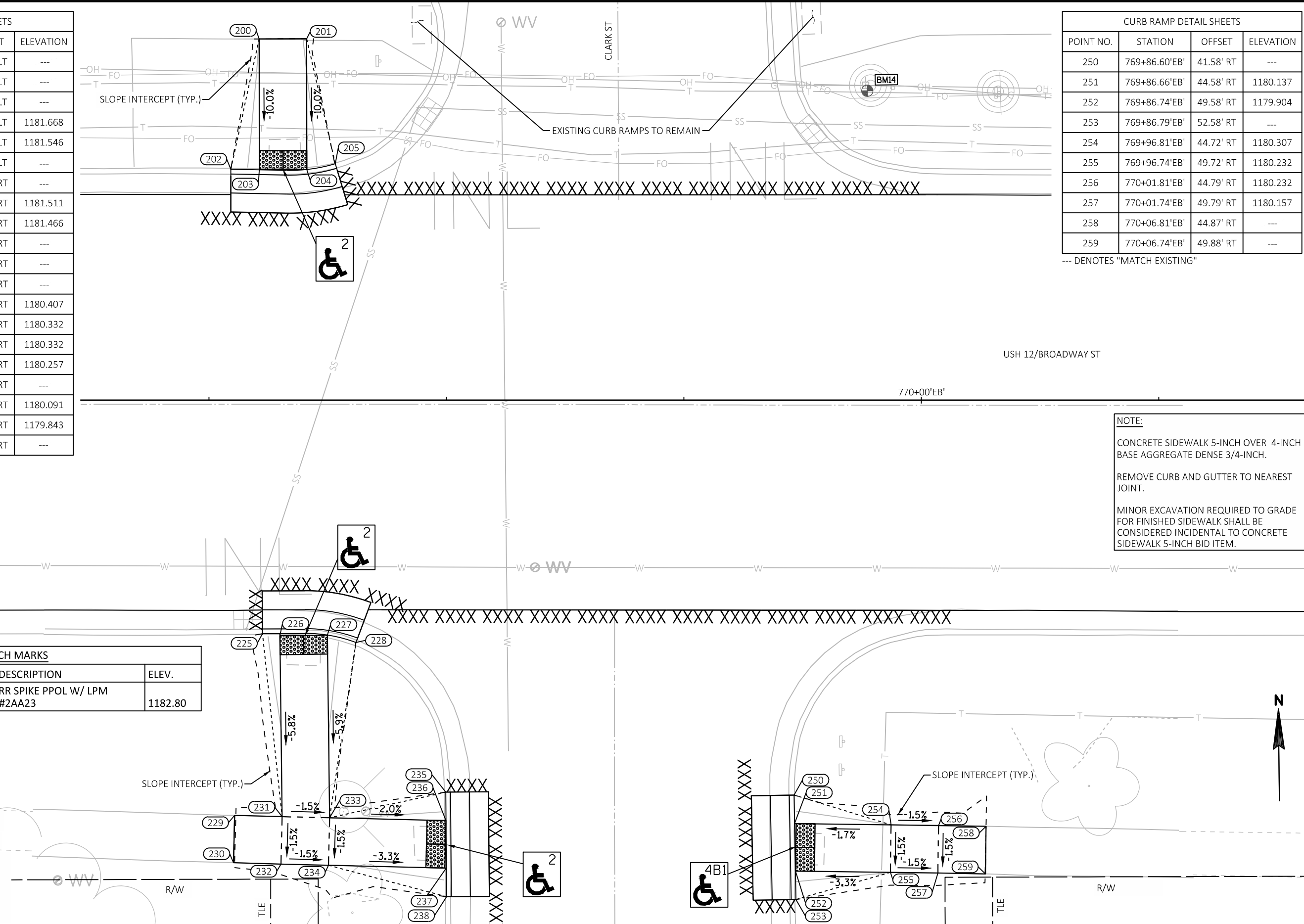
MINOR EXCAVATION REQUIRED TO GRADE
FOR FINISHED SIDEWALK SHALL BE
CONSIDERED INCIDENTAL TO CONCRETE
SIDEWALK 5-INCH BID ITEM.

 <u>BENCH MARKS</u>			
NO.	STATION	DESCRIPTION	ELEV.
BM14	769+94.30EB 33'LT	RR SPIKE PPOL W/ LPM #2AA23	1182.80

CURB RAMP DETAIL

BROADWAY STREET/S CLARK STREET

THIS DETAIL SUPPLEMENTS STANDARD
DETAIL DRAWINGS CURB RAMPS TYPES 1
AND 1A, CURB RAMPS TYPES 2 AND 3,
CURB RAMPS TYPE 4A AND 4A1, CURB
RAMPS TYPE 4B AND 4B1, AND CURB
RAMPS TYPES 5, 6, 7A, 7B, AND 8.



CURB RAMP DETAIL SHEETS			
POINT NO.	STATION	OFFSET	ELEVATION
333	773+31.41'EB'	45.33' RT	1179.039
334	773+31.24'EB'	40.34' RT	1178.964
335	773+36.24'EB'	40.19' RT	---
336	773+36.41'EB'	45.08' RT	---
350	773+54.87'EB'	24.48' RT	---
351	773+57.87'EB'	24.60' RT	1178.044
352	773+62.87'EB'	24.53' RT	1177.943
353	773+65.87'EB'	24.54' RT	---
354	773+53.12'EB'	39.48' RT	---
355	773+53.20'EB'	44.39' RT	---
356	773+58.36'EB'	54.46' RT	---
357	773+64.23'EB'	54.08' RT	---
358	773+58.19'EB'	44.21' RT	1178.786
359	773+63.19'EB'	44.13' RT	1178.711
360	773+68.19'EB'	43.96' RT	---
361	773+68.12'EB'	39.78' RT	---
362	773+63.11'EB'	39.13' RT	1178.636
363	773+58.11'EB'	39.21' RT	1178.711

--- DENOTES "MATCH EXISTING"

--- DENOTES "MATCH EXISTING"

NOTE:

CONCRETE SIDEWALK 5-INCH OVER 4-INCH
BASE AGGREGATE DENSE 3/4-INCH.

REMOVE CURB AND GUTTER TO NEAREST JOINT.

MINOR EXCAVATION REQUIRED TO GRADE
FOR FINISHED SIDEWALK SHALL BE
CONSIDERED INCIDENTAL TO CONCRETE
SIDEWALK 5-INCH BID ITEM.

CURB RAMP DETAIL

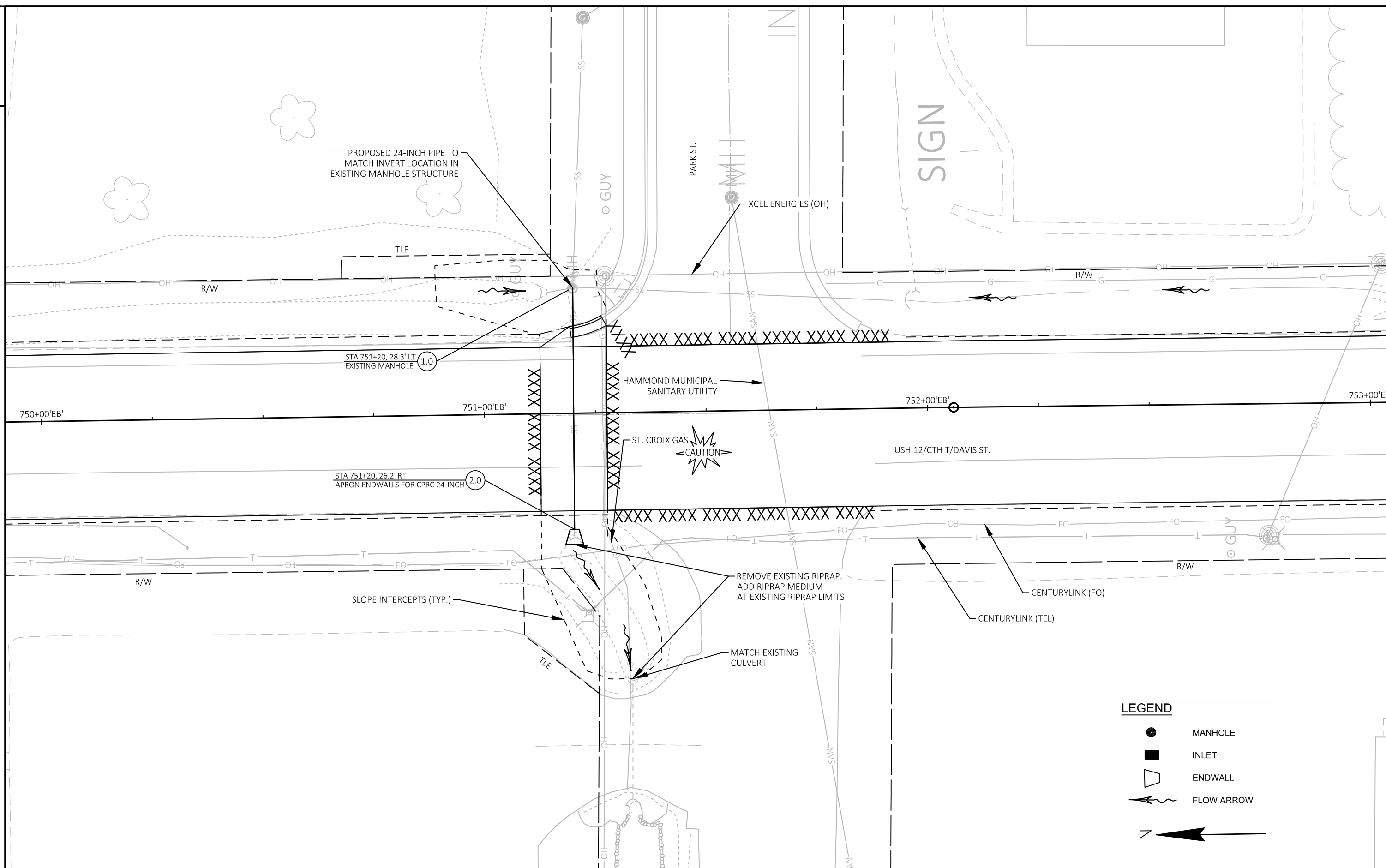
BROADWAY STREET/S ADAMS STREET

THIS DETAIL SUPPLEMENTS STANDARD
DETAIL DRAWINGS CURB RAMPS TYPES 1
AND 1A, CURB RAMPS TYPES 2 AND 3,
CURB RAMPS TYPE 4A AND 4A1, CURB
RAMPS TYPE 4B AND 4B1, AND CURB
RAMPS TYPES 5, 6, 7A, 7B, AND 8.

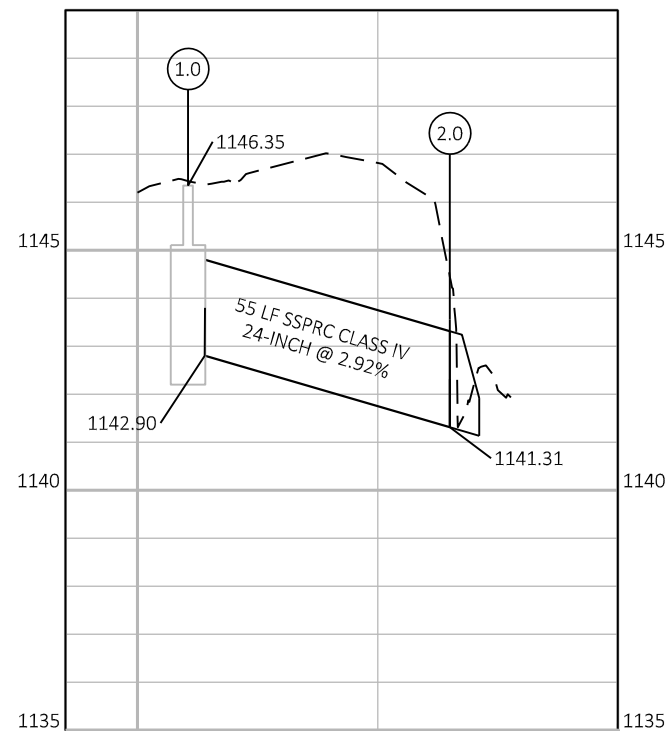
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
BM15	772+72.75EB 67'RT	CUT X SW FLANGE BOLT W/ 8-0 TAG HYD	1181.25

2

2

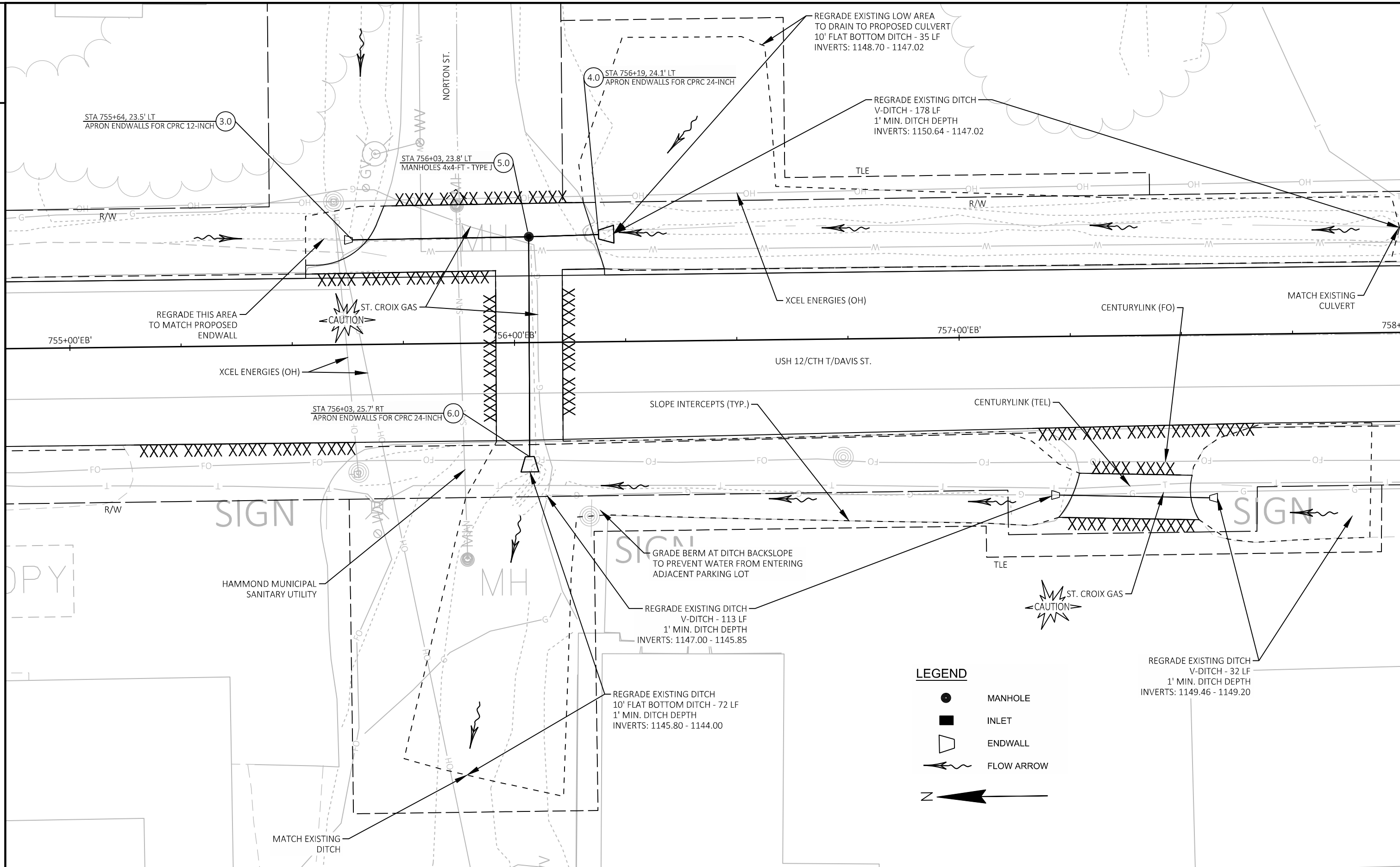


PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	STORM SEWER PLAN	SHEET
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2

2



PROJECT NO:	8949-00-71
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HWY: USH 12

COUNTY: ST. CROIX

STORM SEWER PLAN

SHEET

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FILE NAME : G:\WDOTNW\18049-000 (USH 12)\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 3

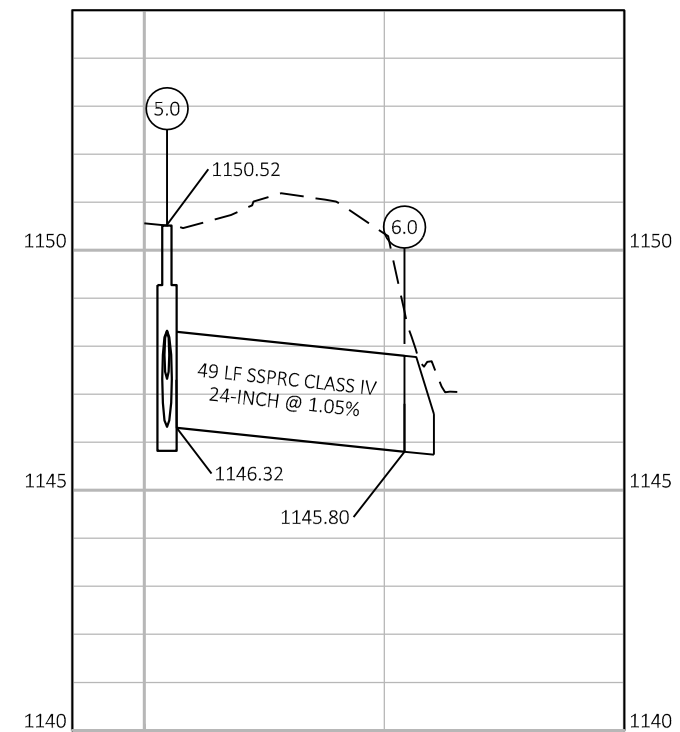
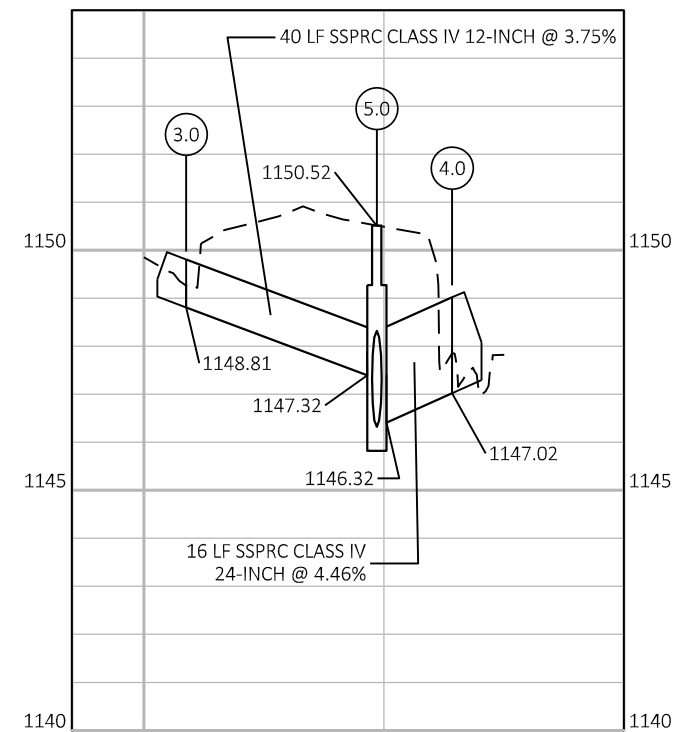
PLOT DATE : 11/5/2020 4:25 PM PLOT BY : KL ENGINEERING

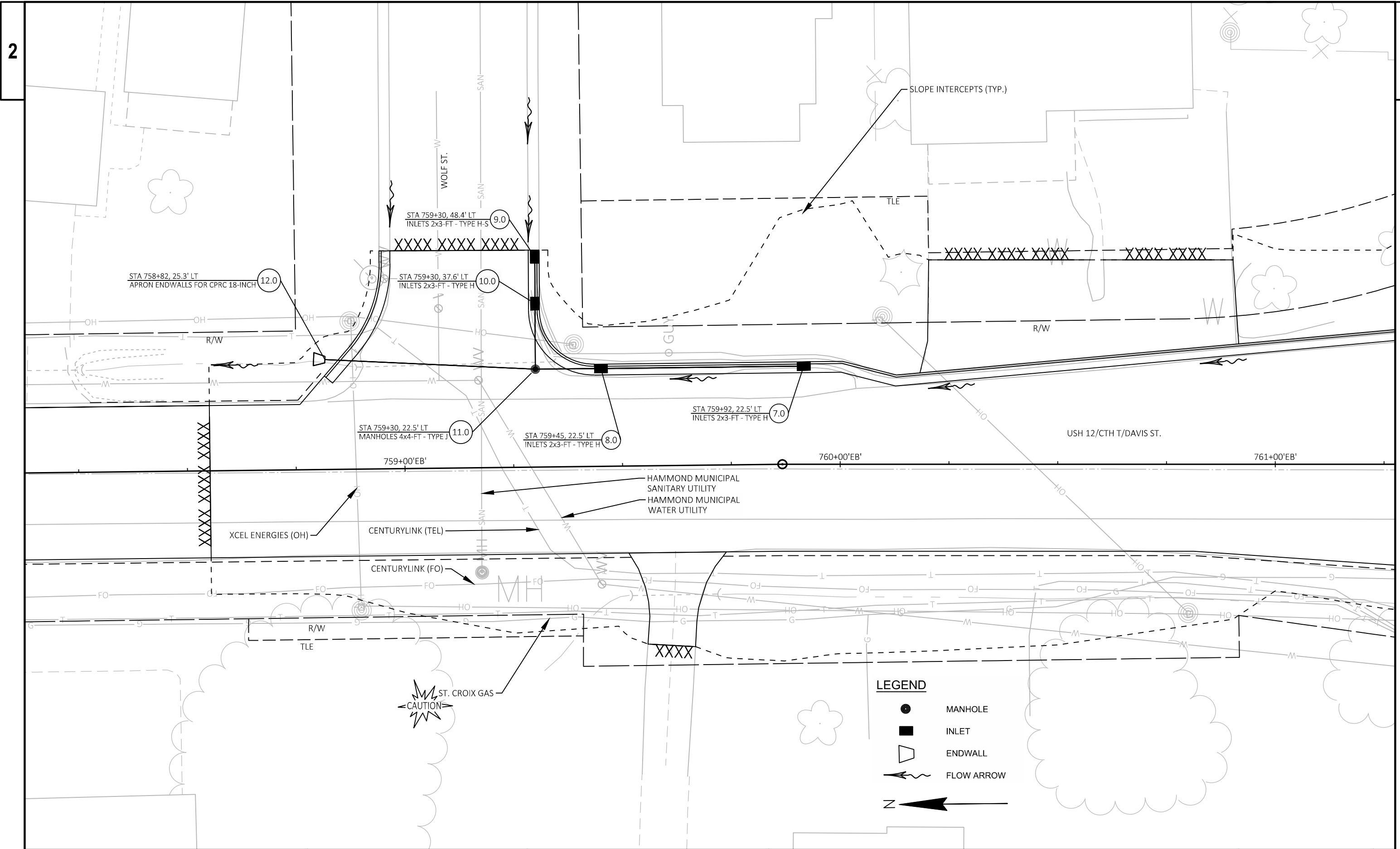
PLOT BY : KL ENGINEERING PLOT NAME :

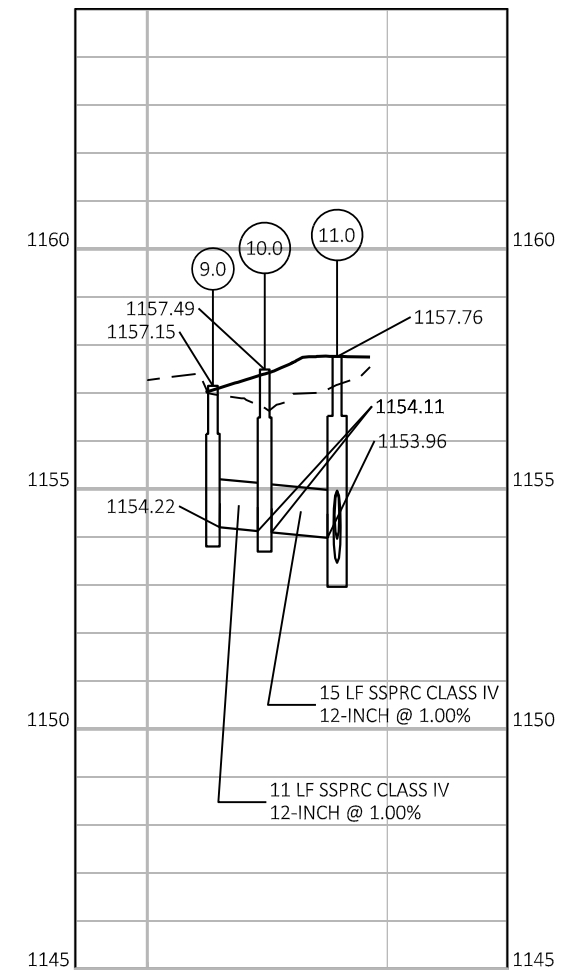
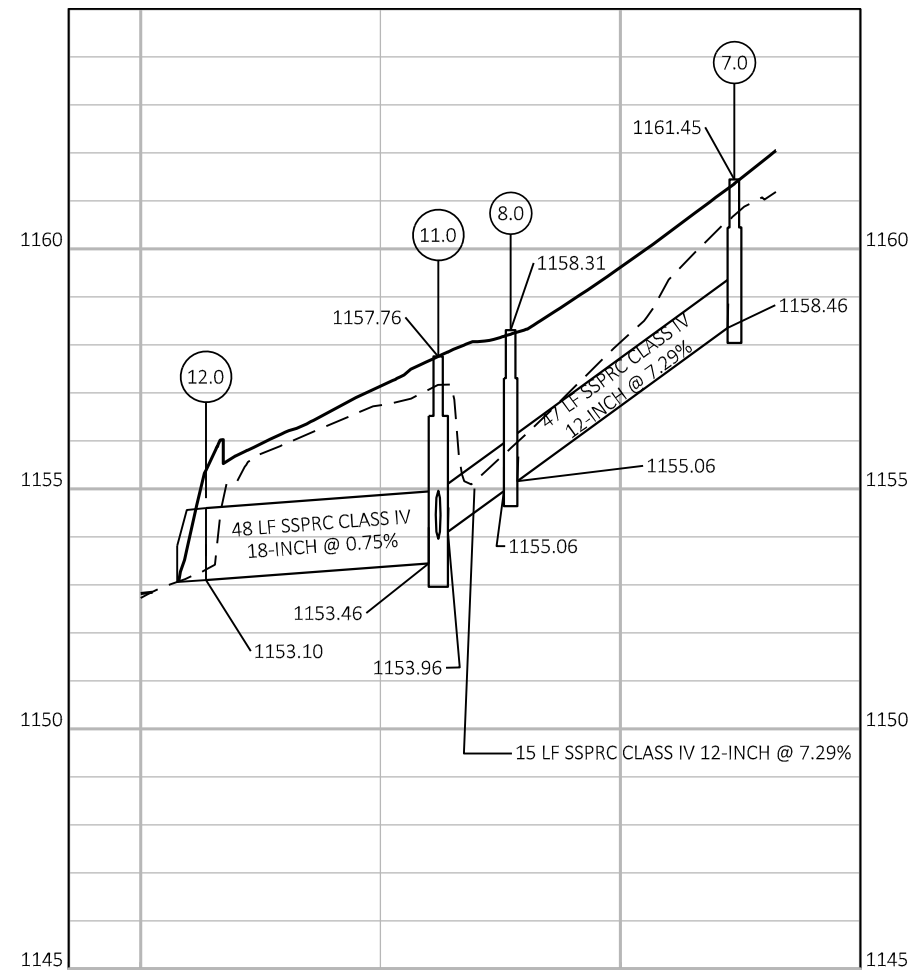
PLOT NAME : PLOT SCALE : 1 IN:20 FT

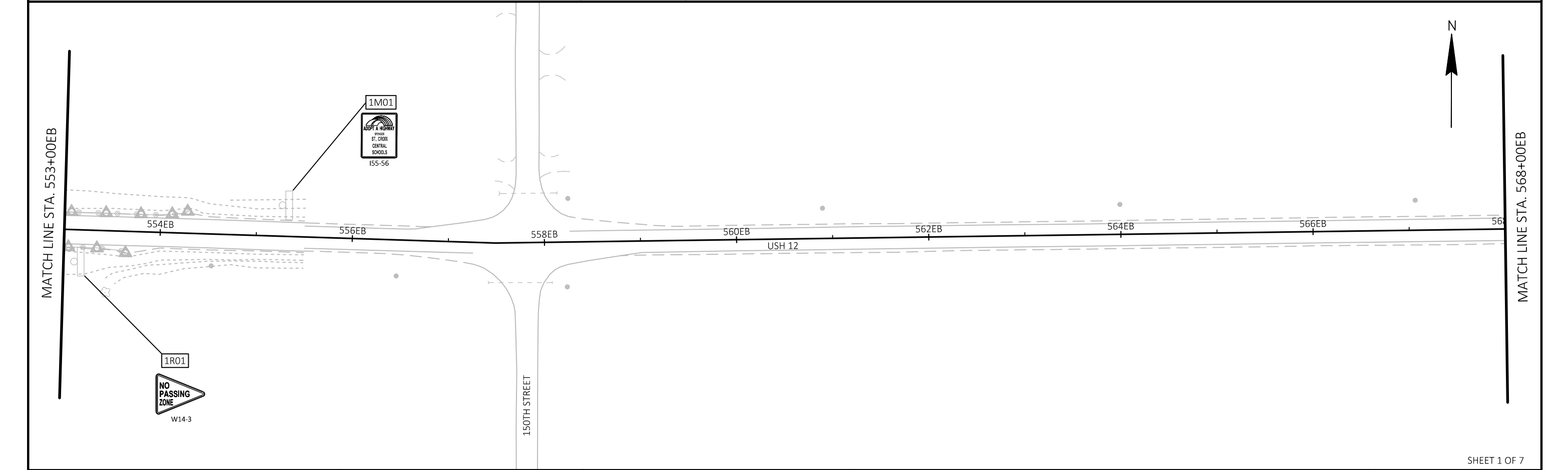
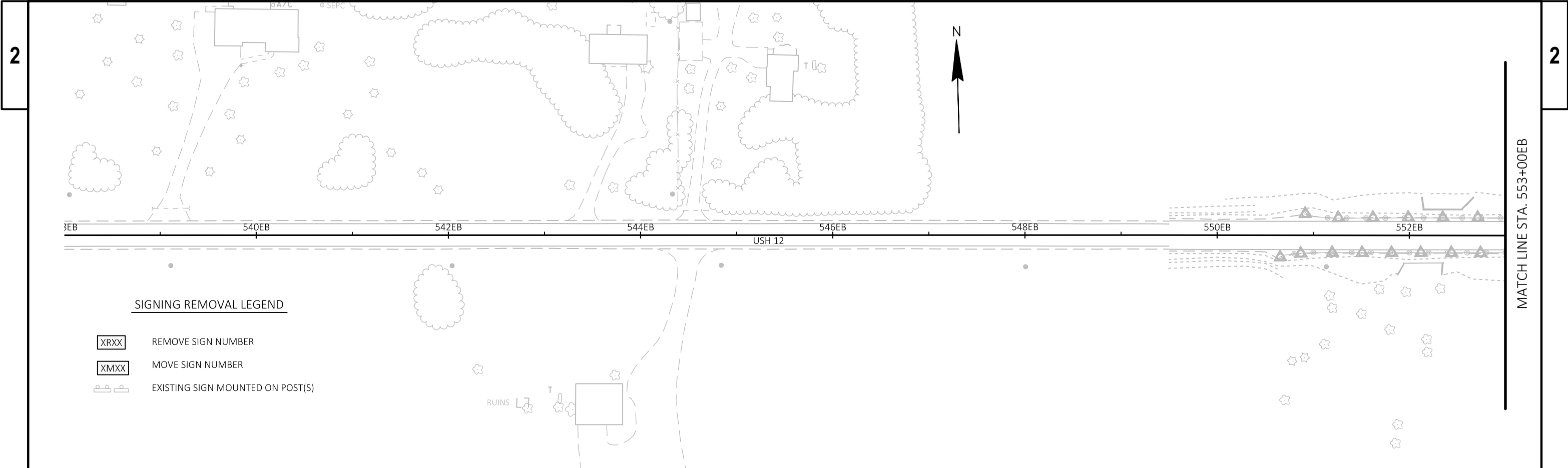
PLOT SCALE : 1 IN:20 FT MICDOT/CADD SHEET 42

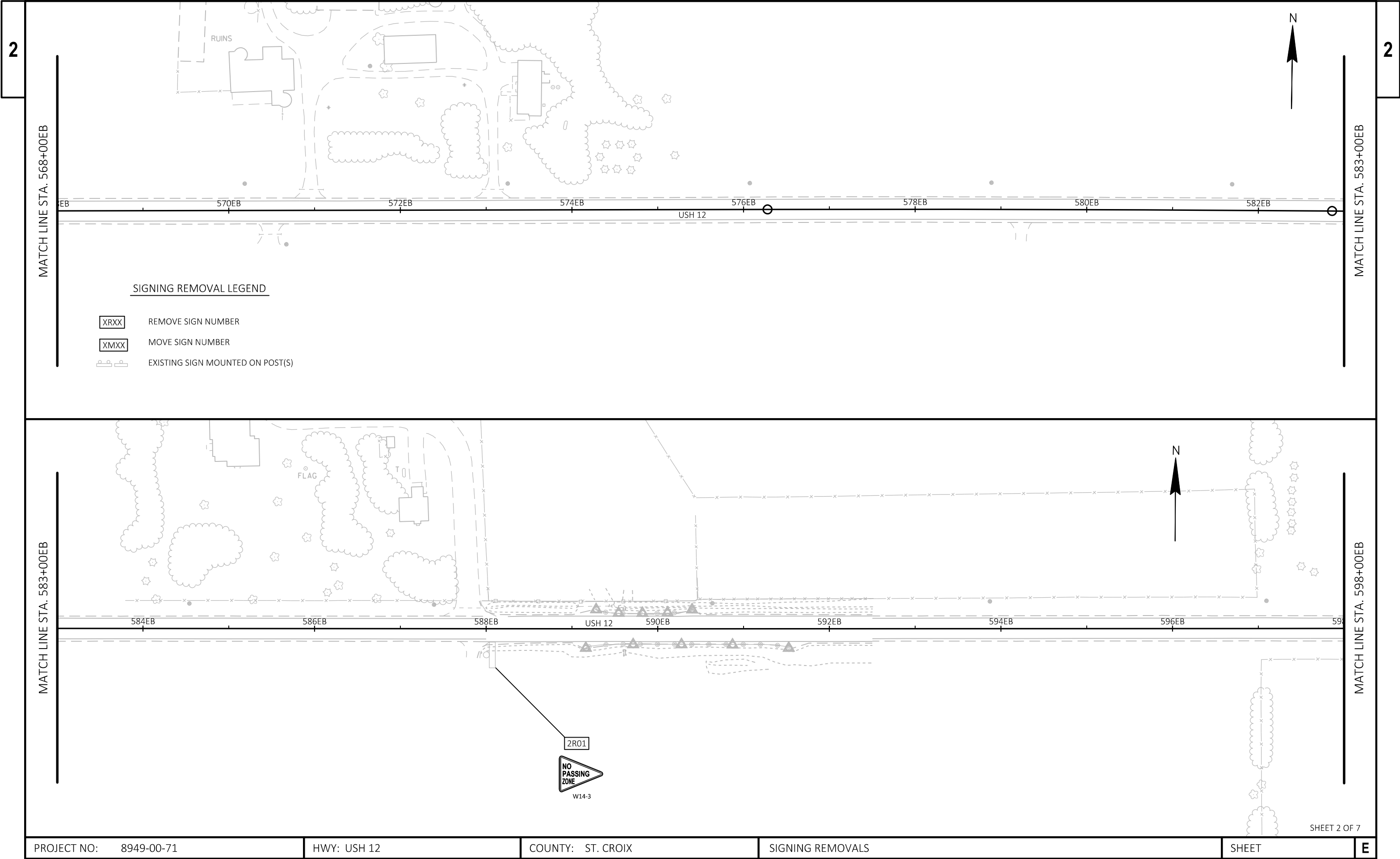
WISDOT/CADDs SHEET 42



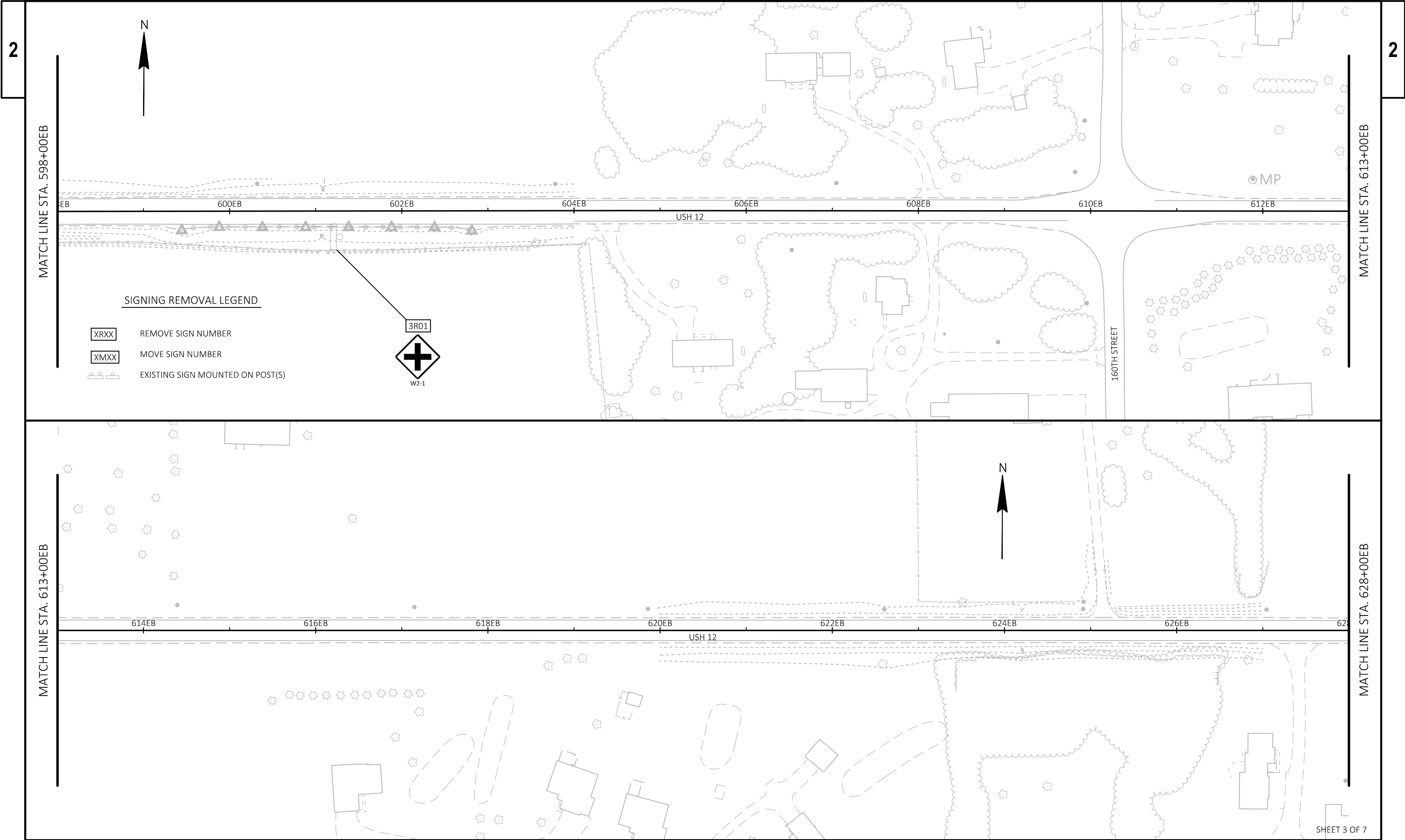


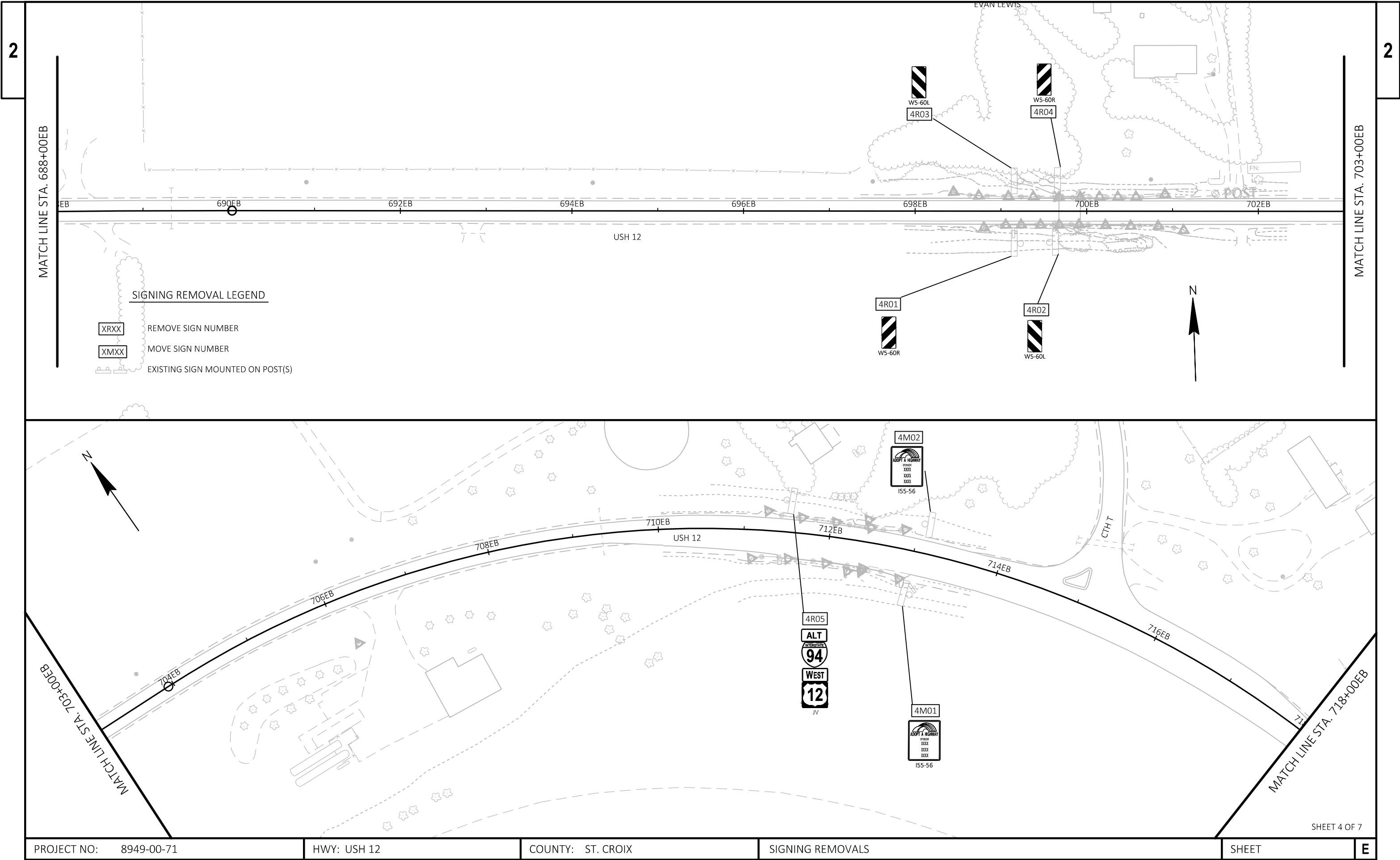




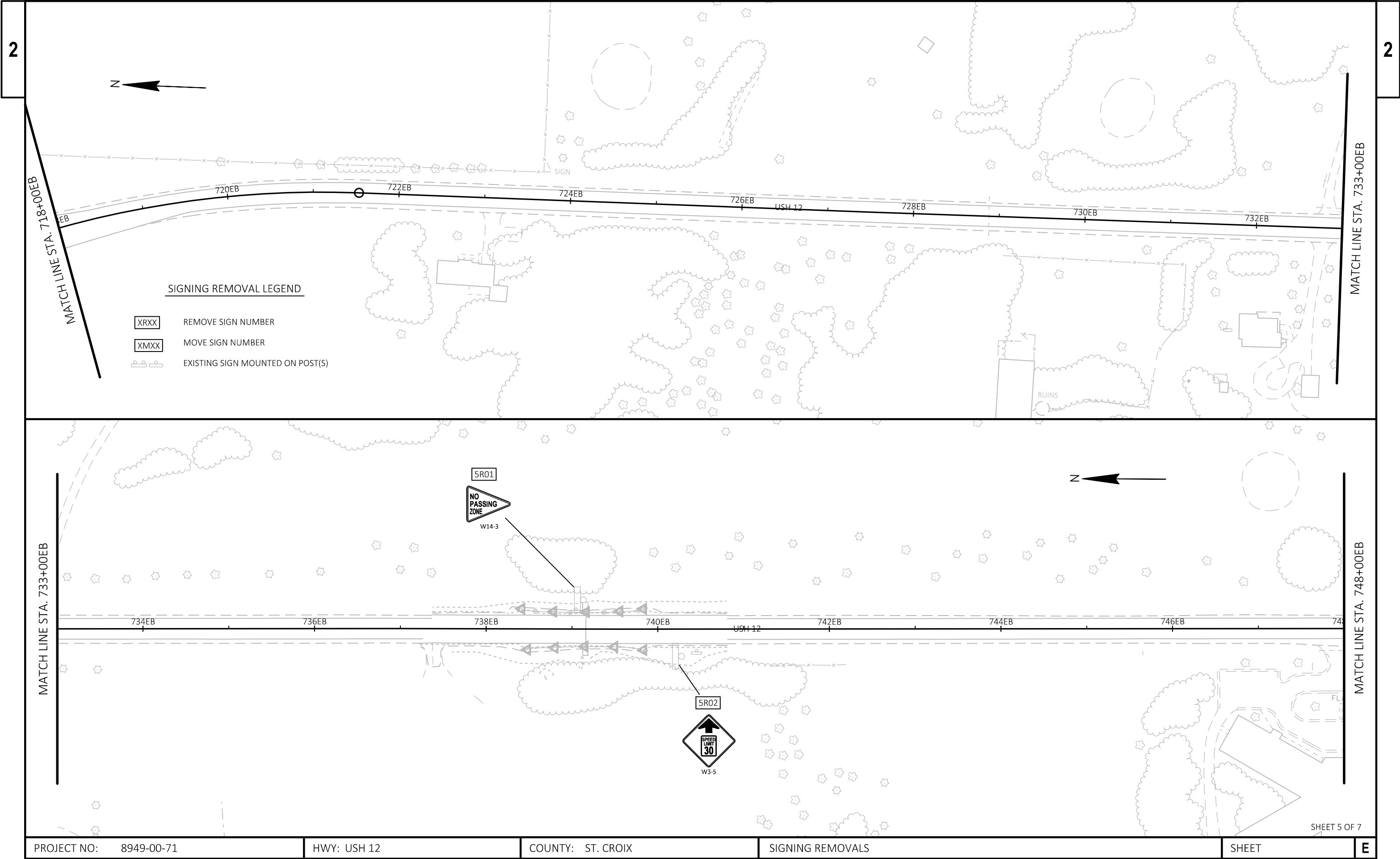


PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	SIGNING REMOVALS	SHEET	E
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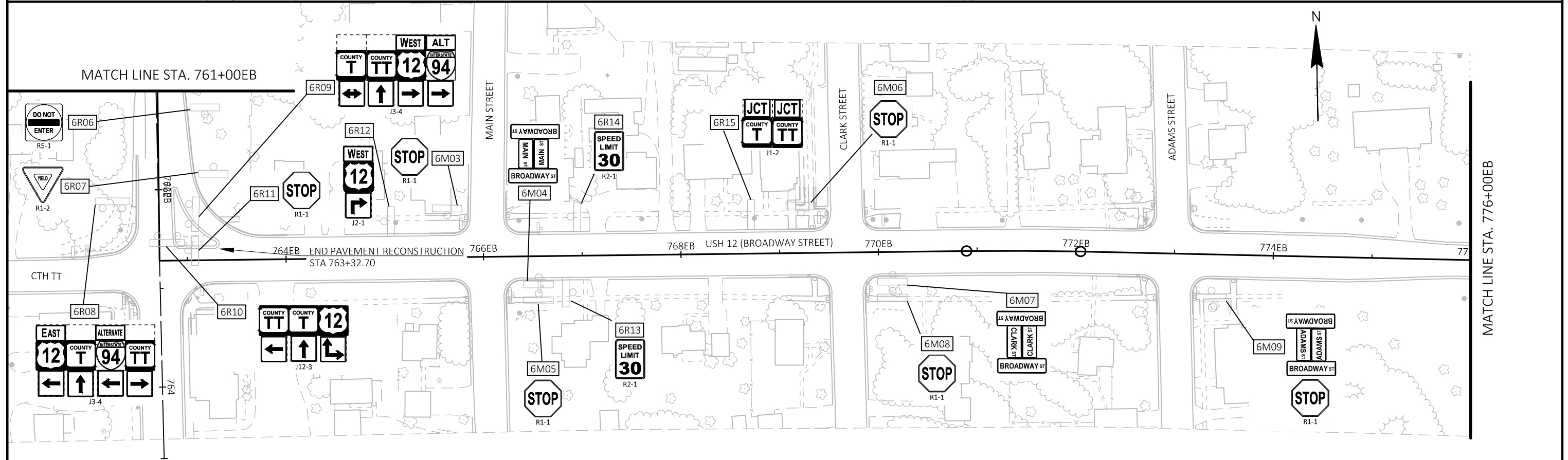
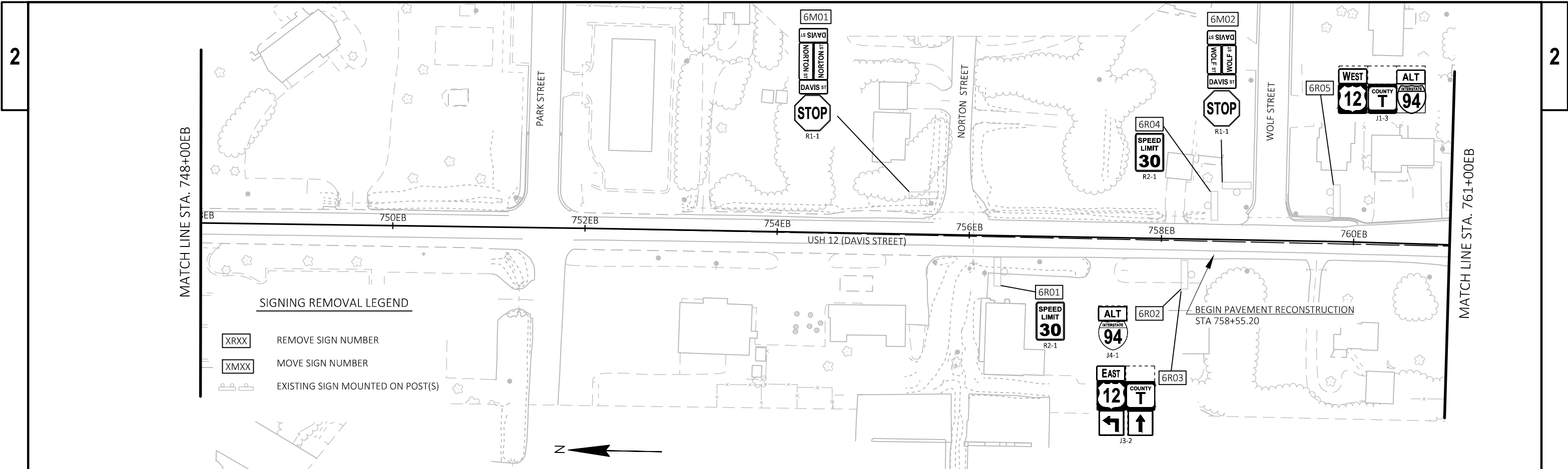




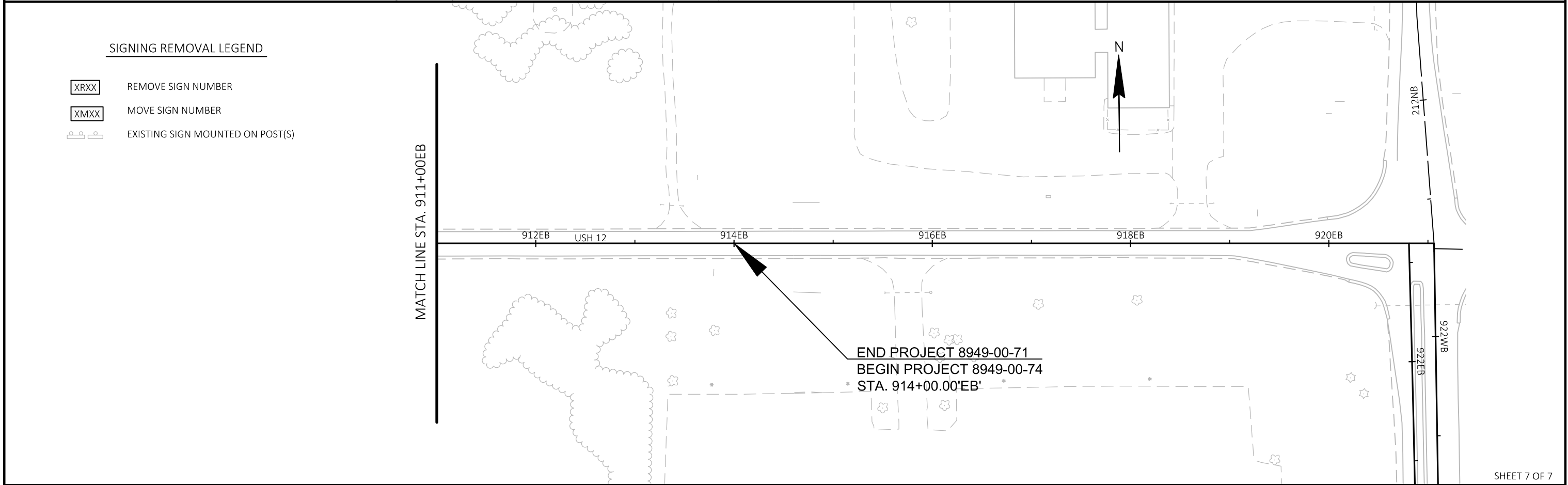
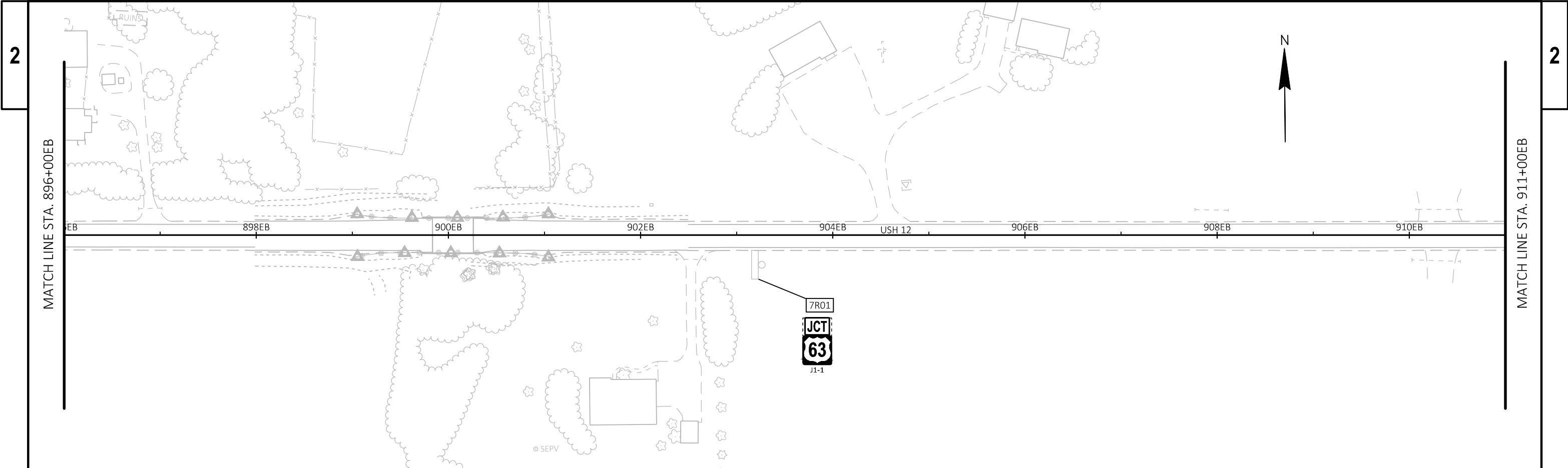
PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	SIGNING REMOVALS	SHEET	E
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PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	SIGNING REMOVALS	SHEET	E
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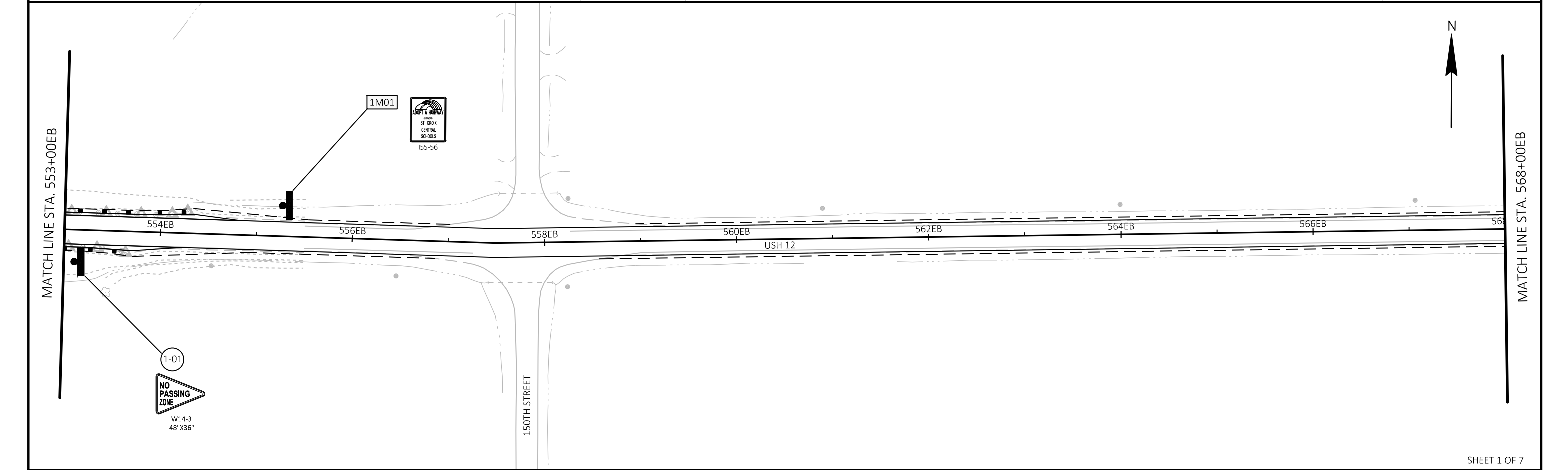
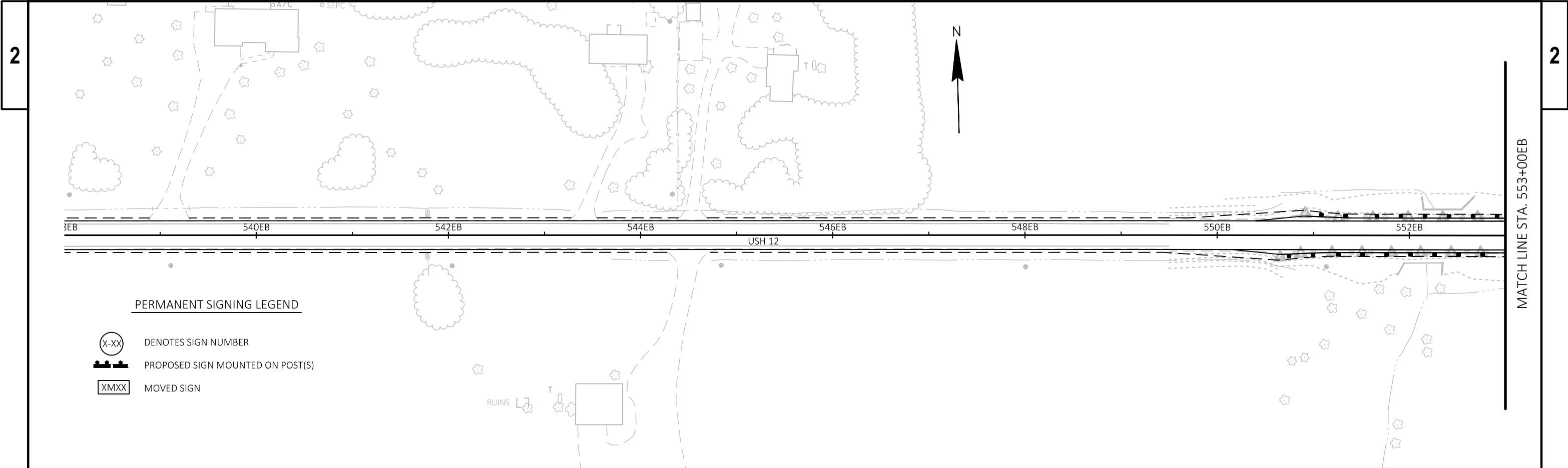
PROJECT NO: 8949-00-71		HWY: USH 12	COUNTY: ST. CROIX	SIGNING REMOVALS	SHEET	E
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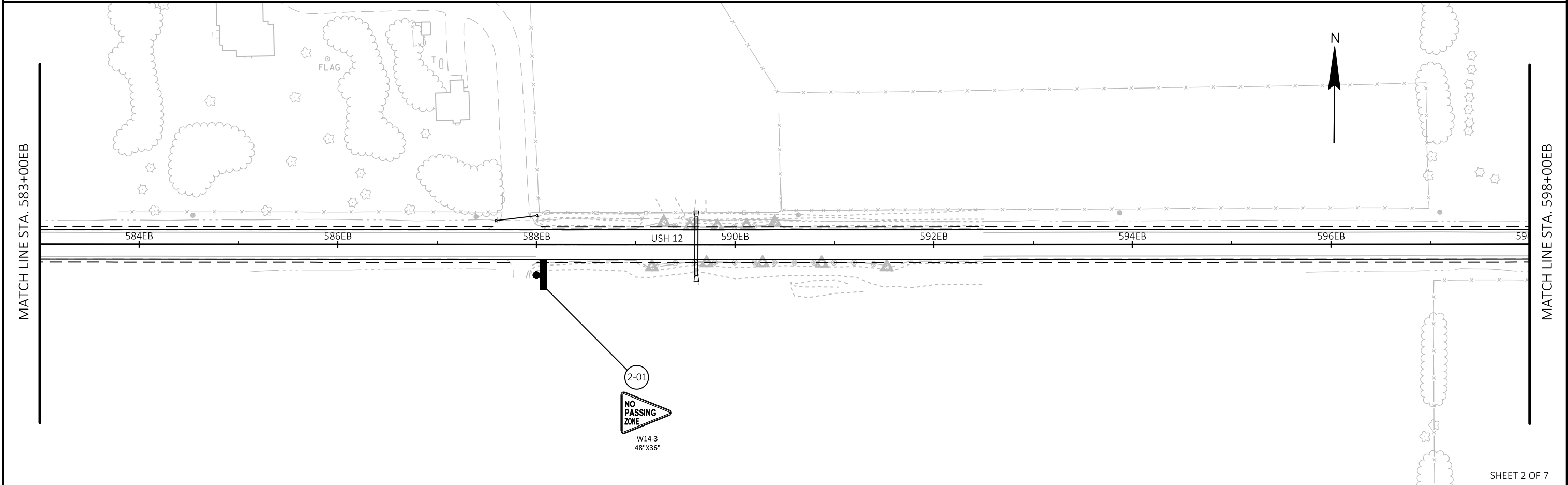
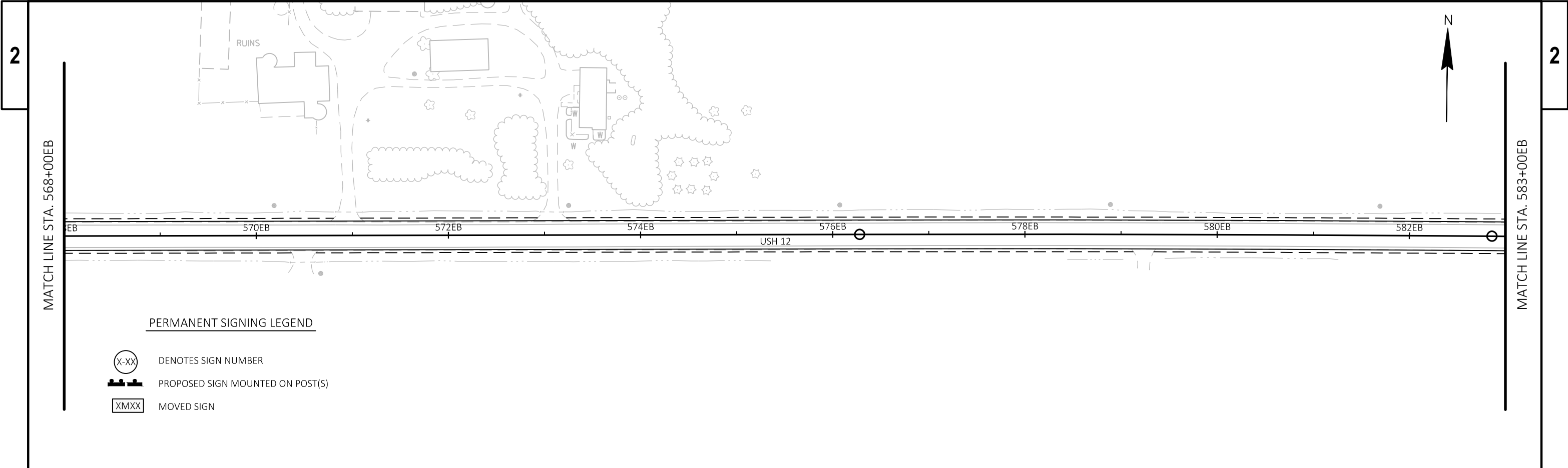


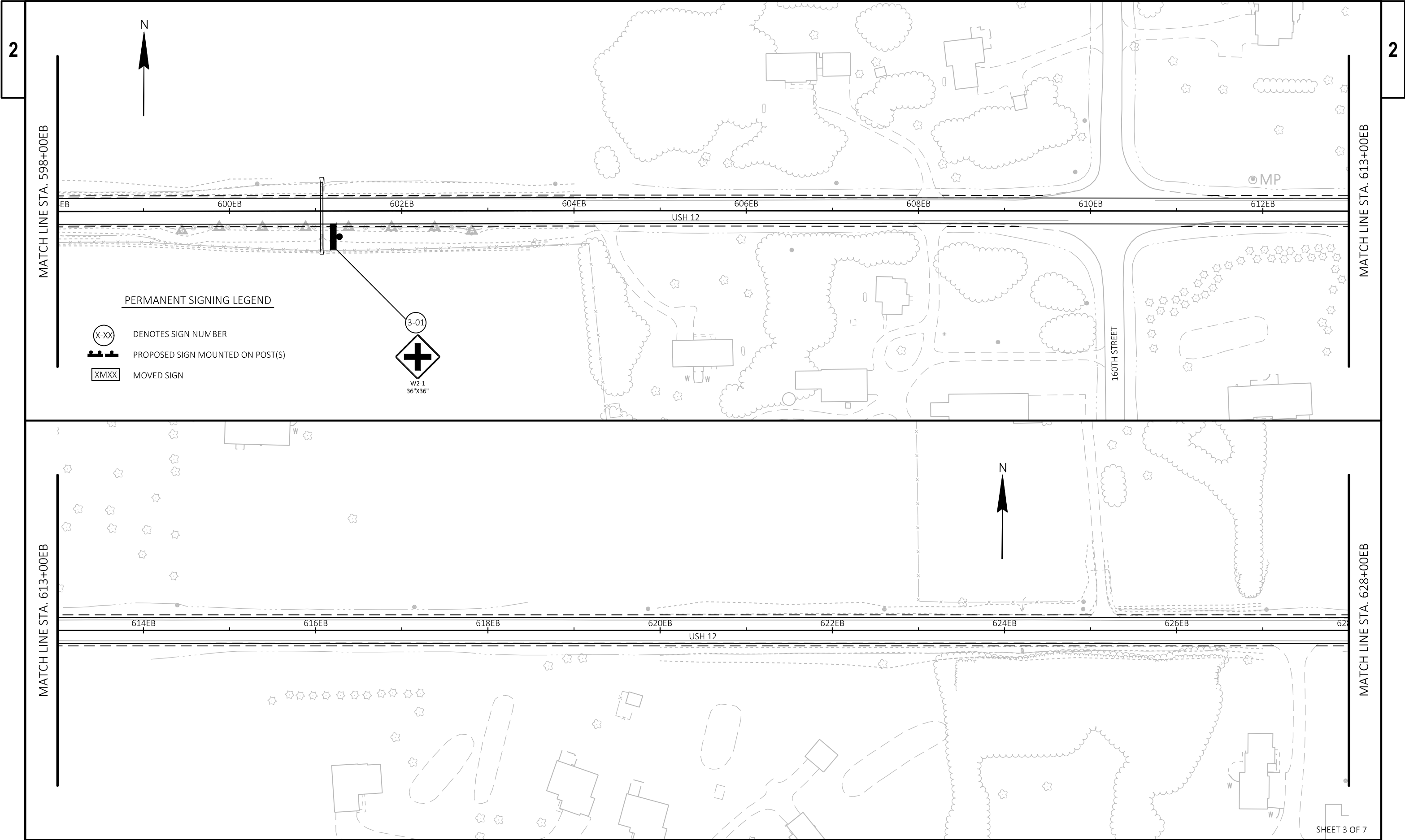
SIGNING REMOVAL LEGEND

-  REMOVE SIGN NUMBER
-  MOVE SIGN NUMBER
-  EXISTING SIGN MOUNTED ON POST(S)

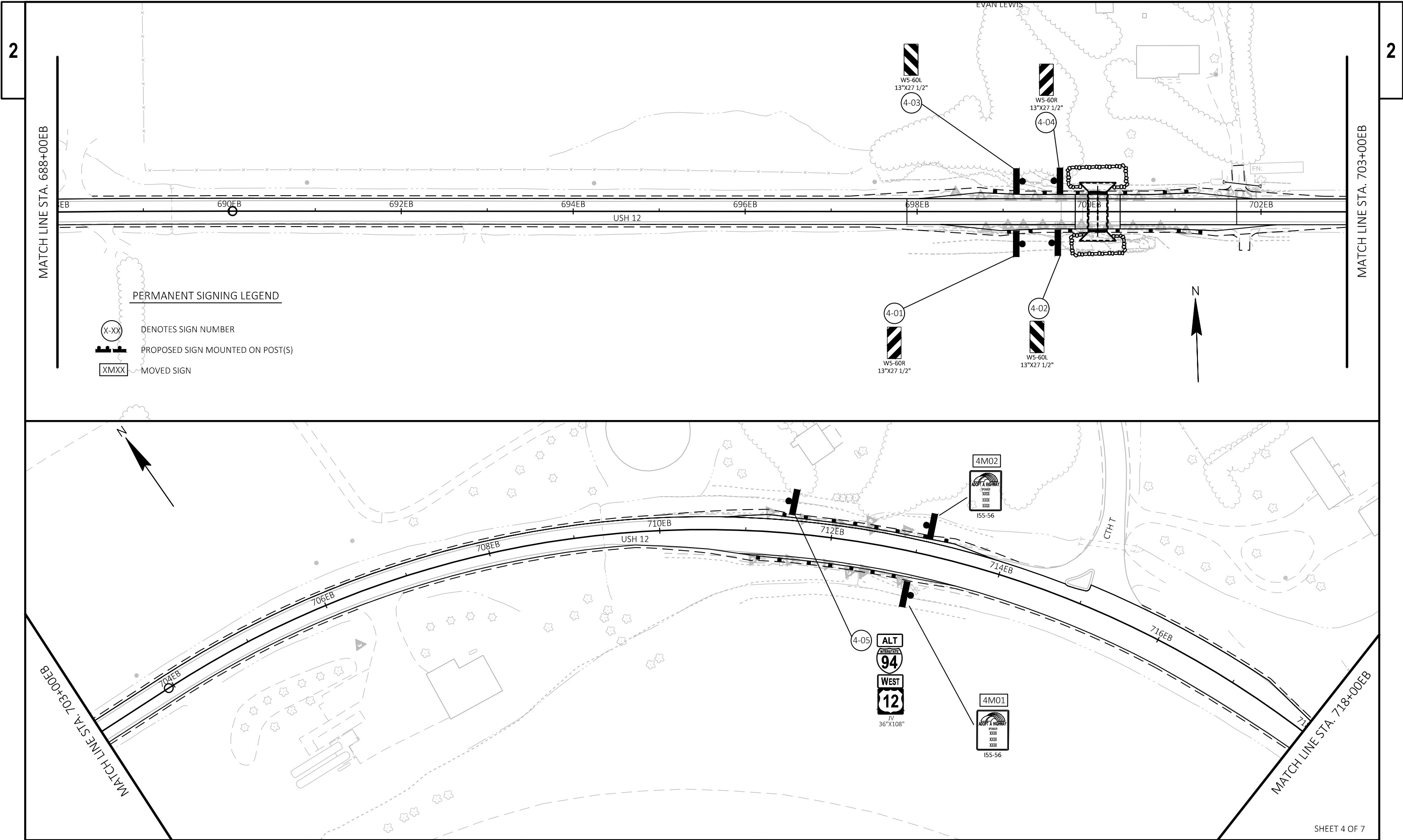
PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	SIGNING REMOVALS	SHEET 7 OF 7	E
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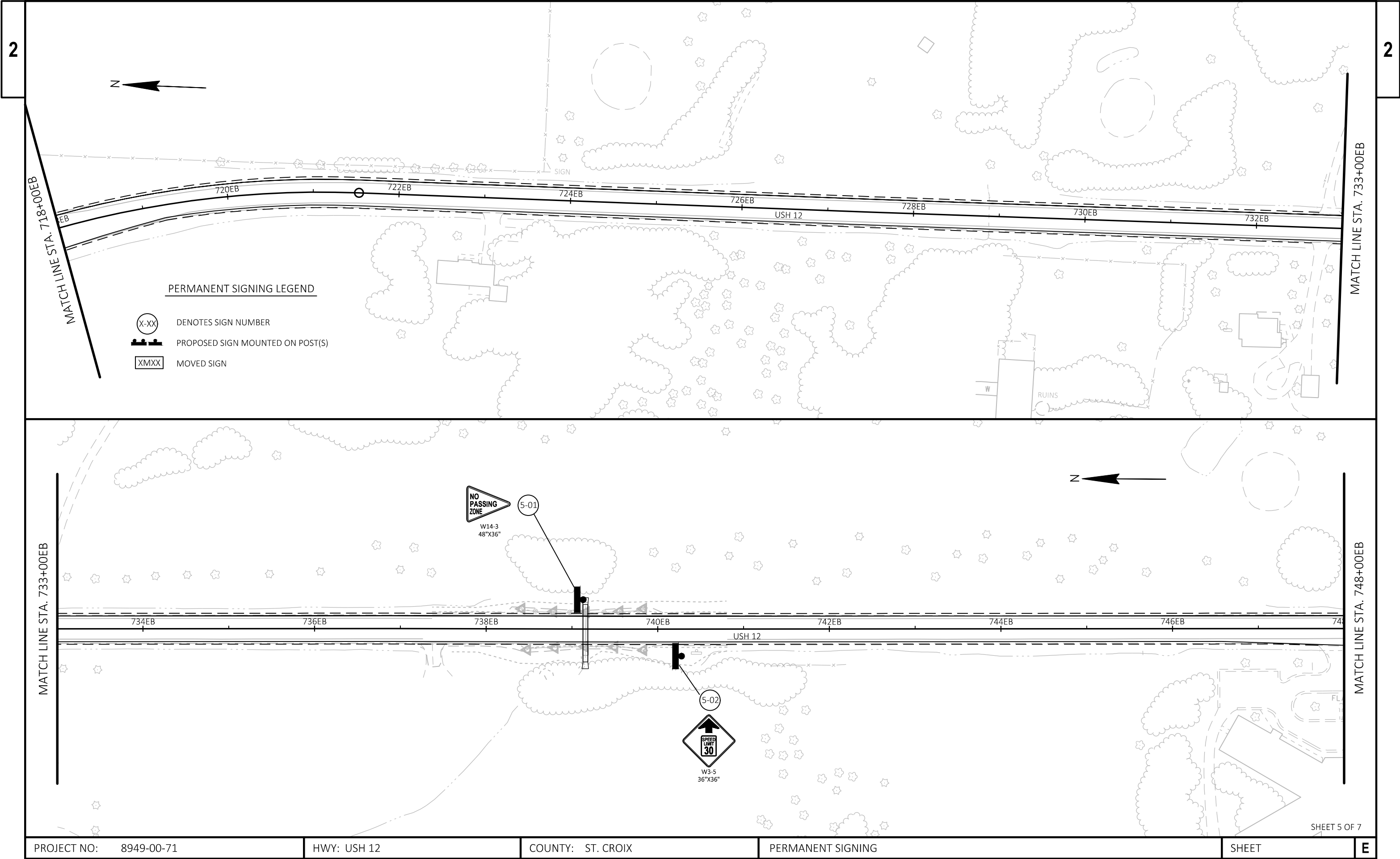


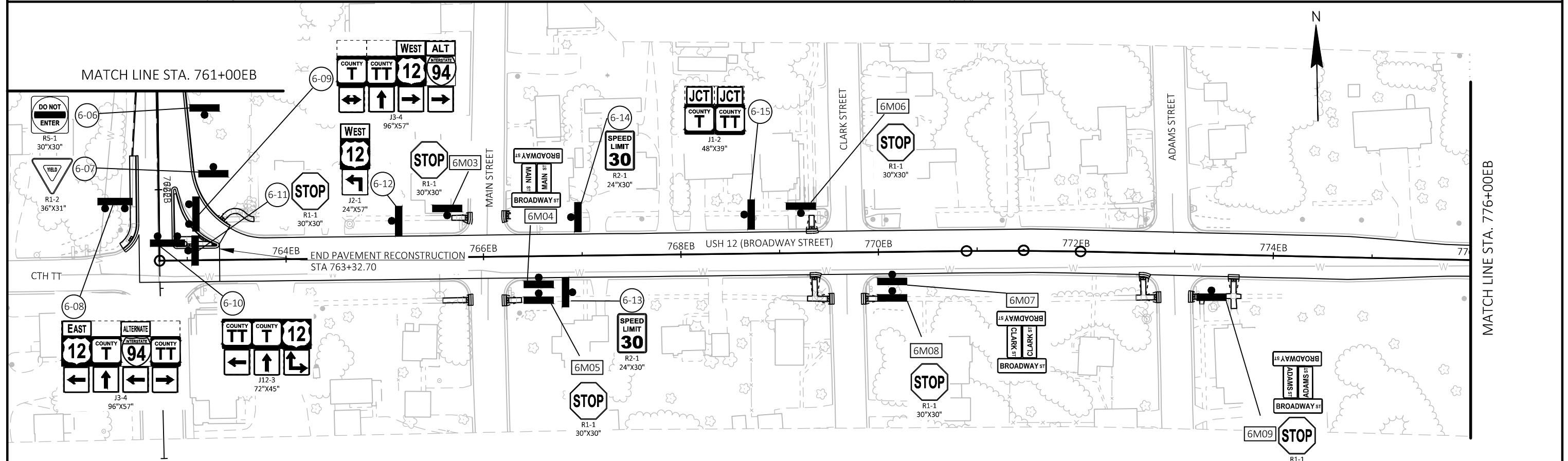
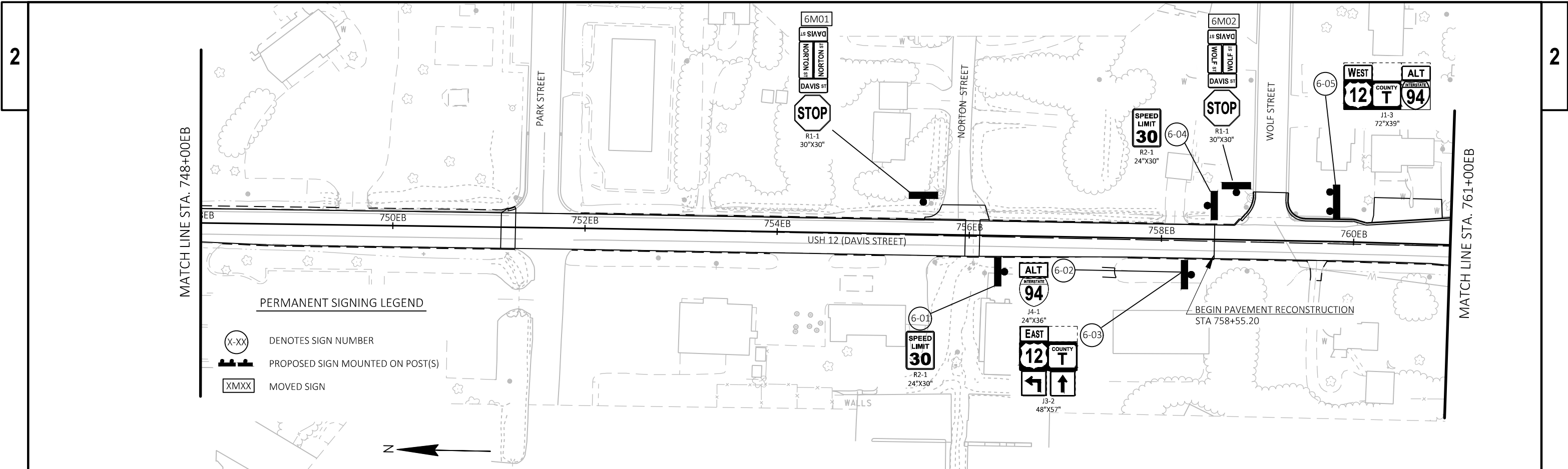




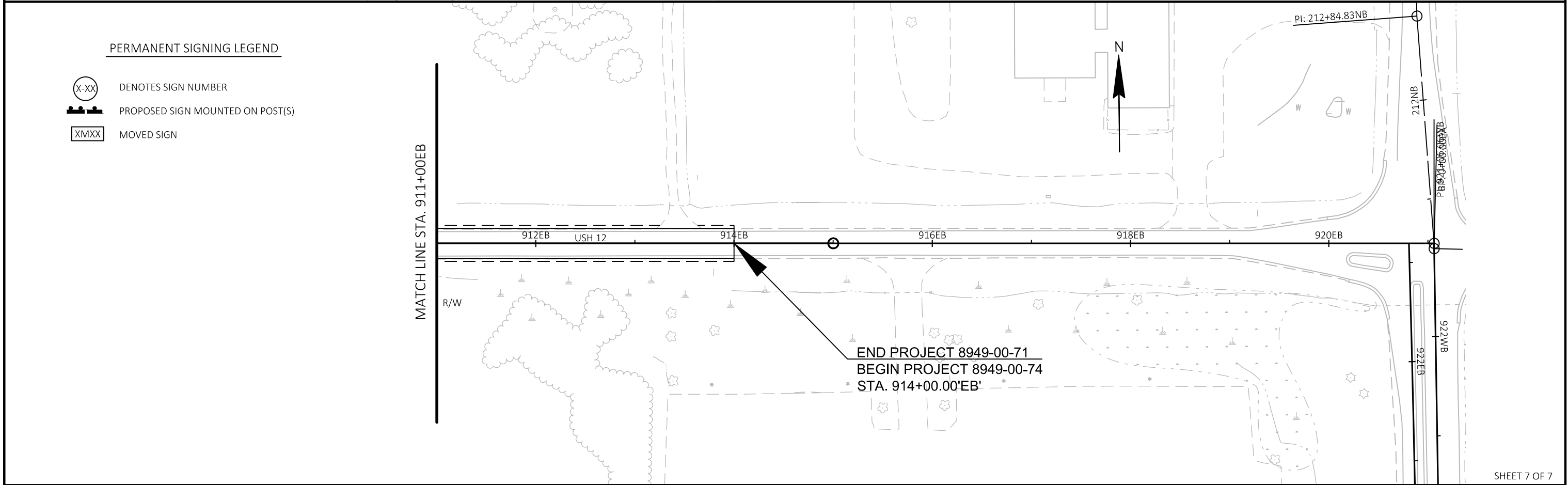
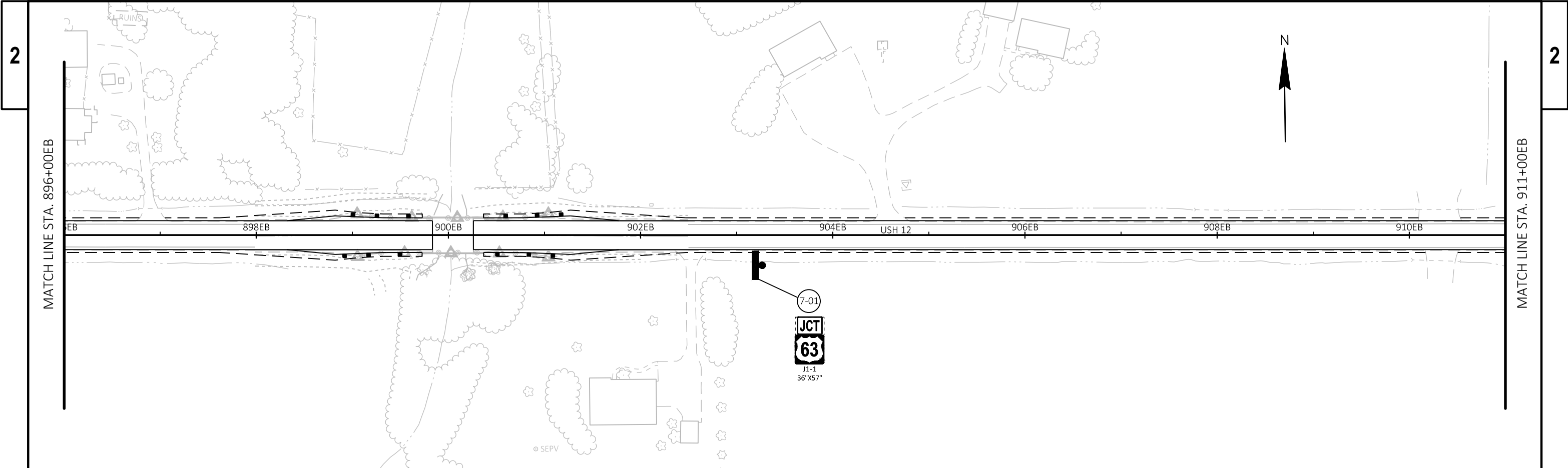
PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	PERMANENT SIGNING	SHEET	E
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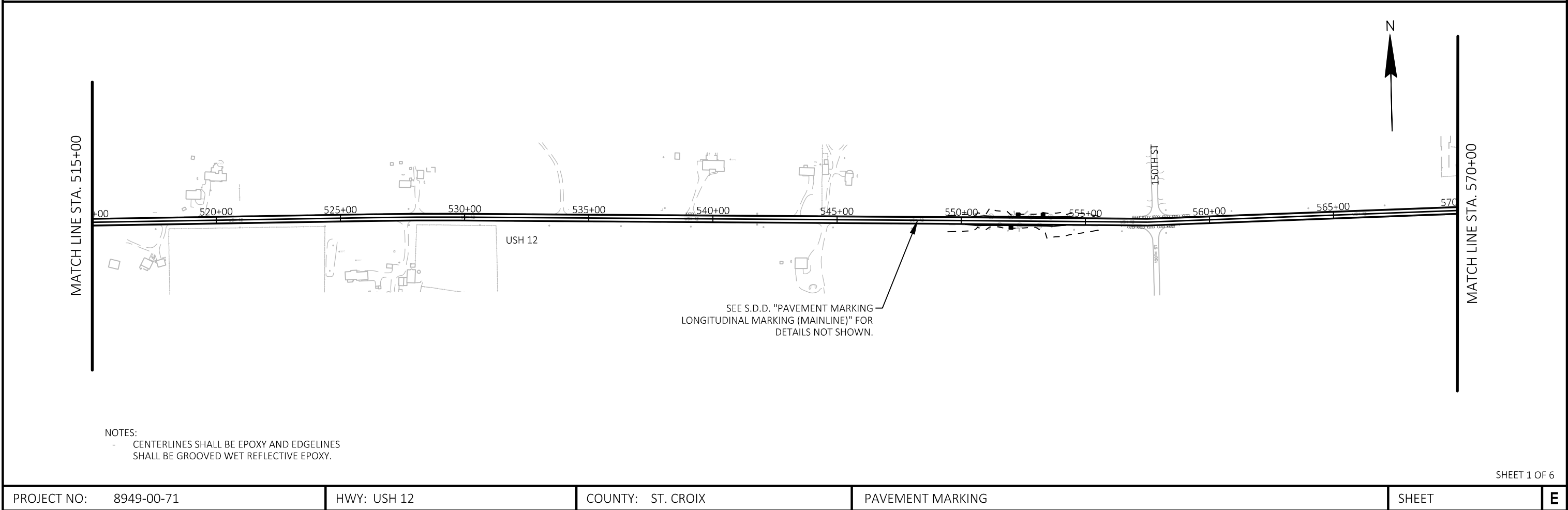
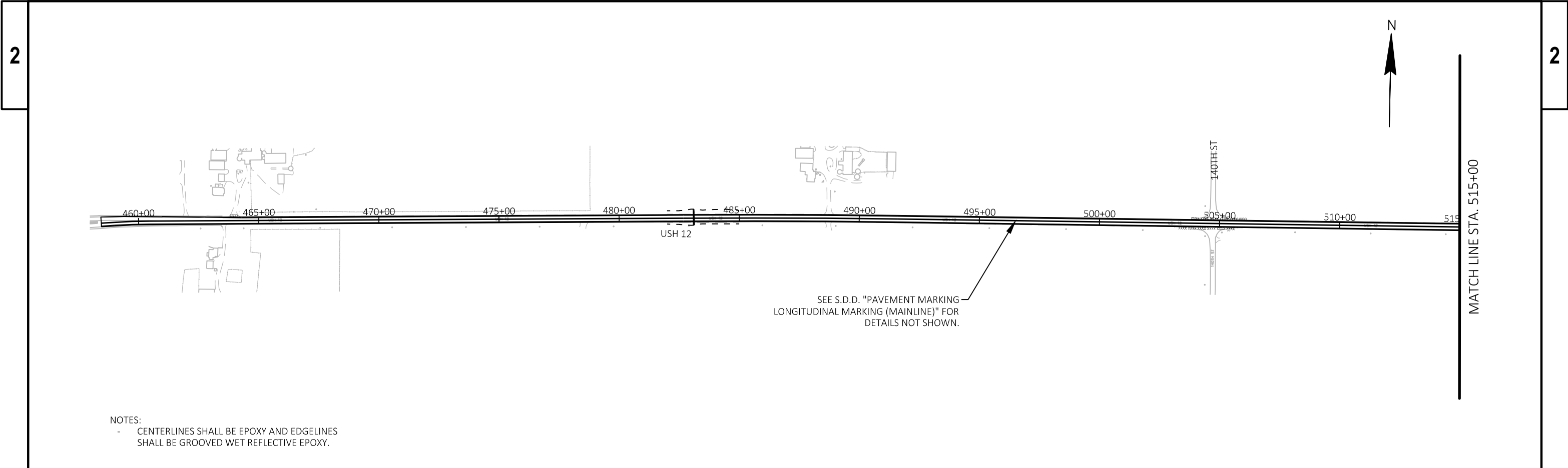
PROJECT NO: 8949-00-71		HWY: USH 12	COUNTY: ST. CROIX	PERMANENT SIGNING	SHEET	E
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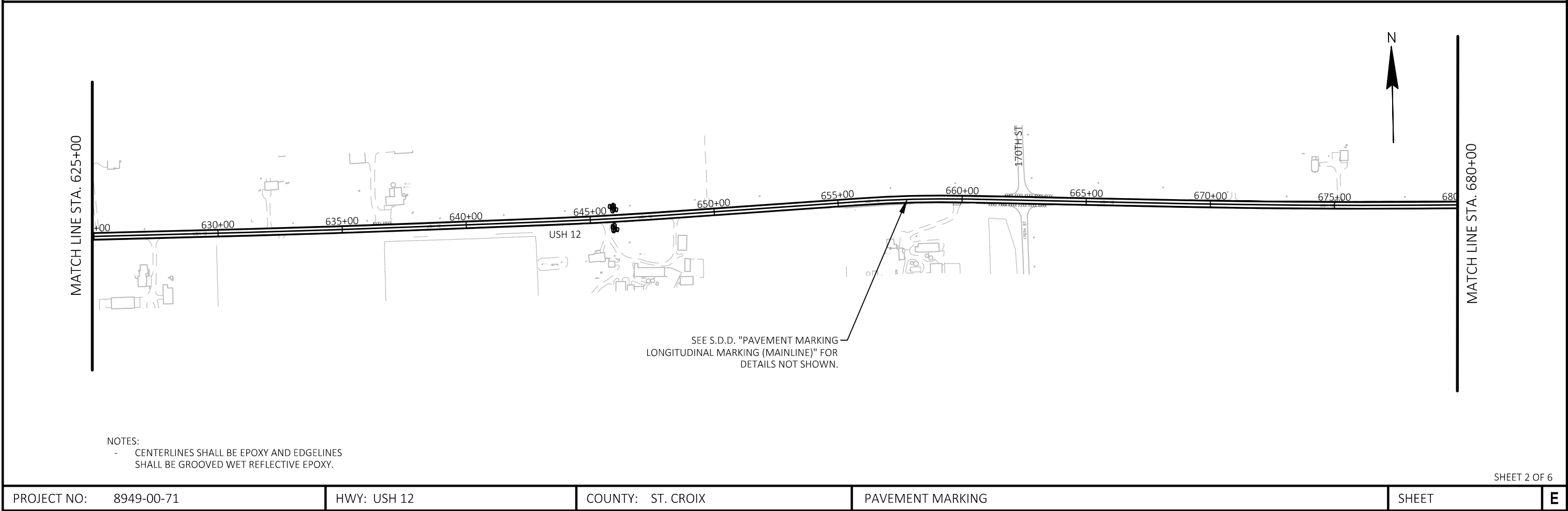
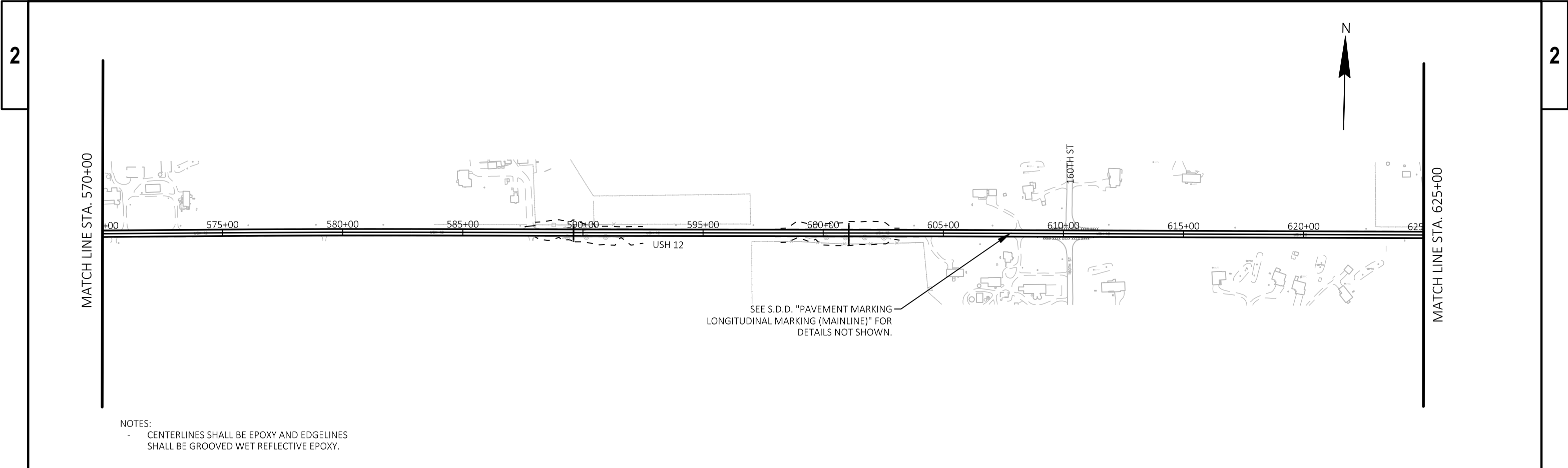


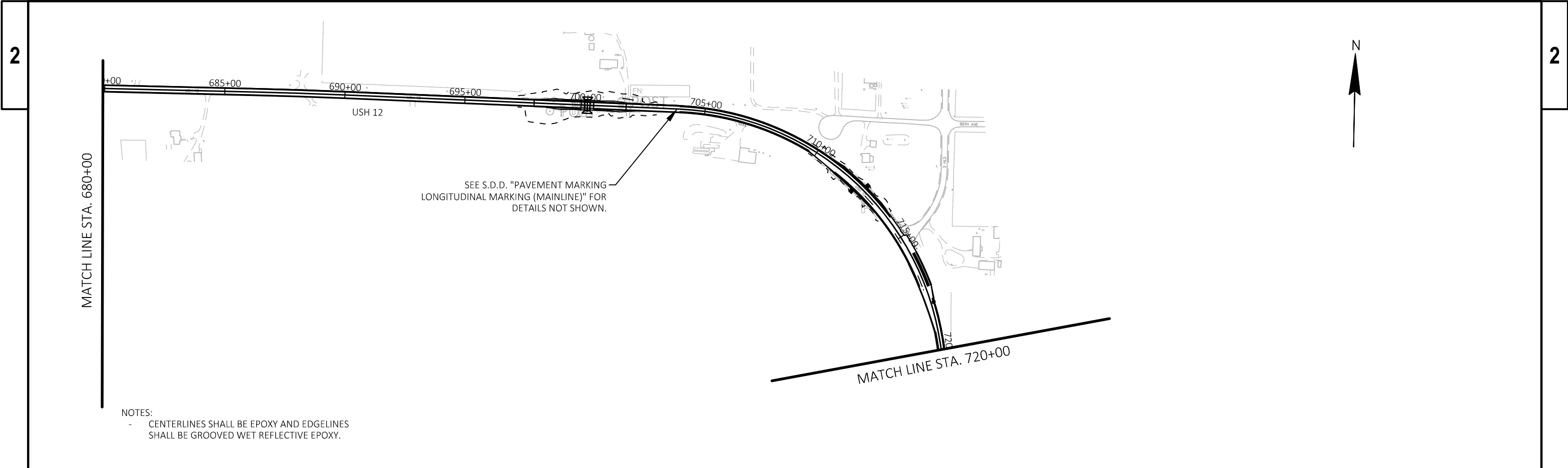
PERMANENT SIGNING LEGEND

- (X-XX) DENOTES SIGN NUMBER
- PROPOSED SIGN MOUNTED ON POST(S)
- MOVED SIGN

PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	PERMANENT SIGNING	SHEET 7 OF 7	E
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NOTES:

- CENTERLINES SHALL BE EPOXY AND EDGELINES SHALL BE GROOVED WET REFLECTIVE EPOXY.

SEE S.D.D. "PAVEMENT MARKING LONGITUDINAL MARKING (MAINLINE)" FOR DETAILS NOT SHOWN.



NOTES:

- CENTERLINES SHALL BE EPOXY AND EDGELINES SHALL BE GROOVED WET REFLECTIVE EPOXY.

MATCH LINE STA. 775+00

SEE S.D.D. "PAVEMENT MARKING LONGITUDINAL MARKING (MAINLINE)" FOR DETAILS NOT SHOWN.

ADAMS STREET

CLARK STREET

MAIN STREET

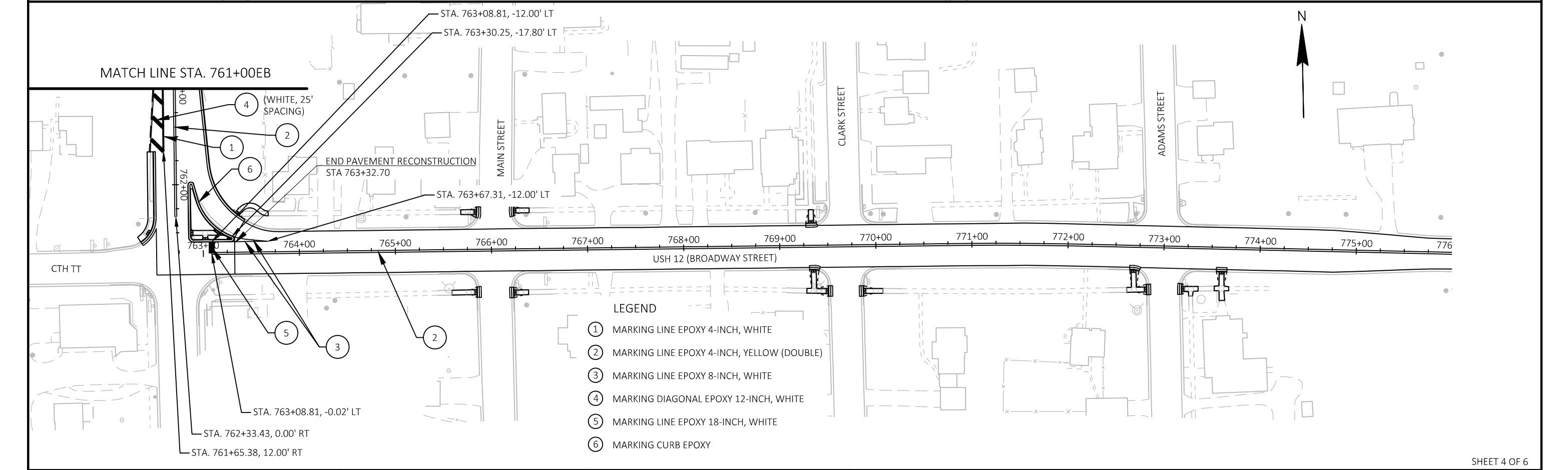
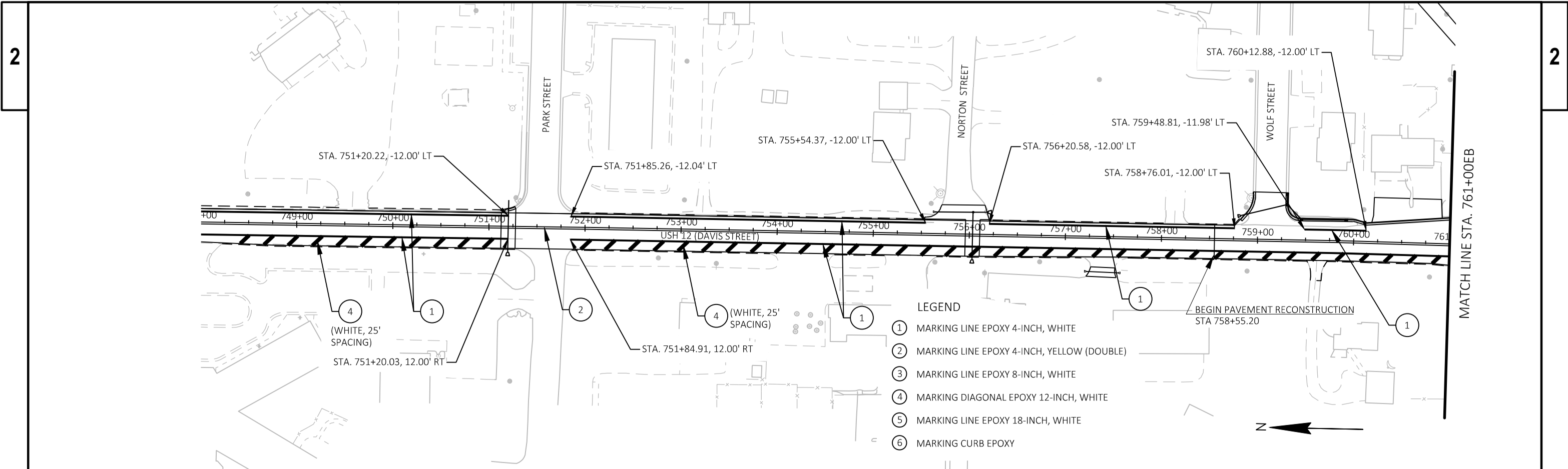
NORTON STREET

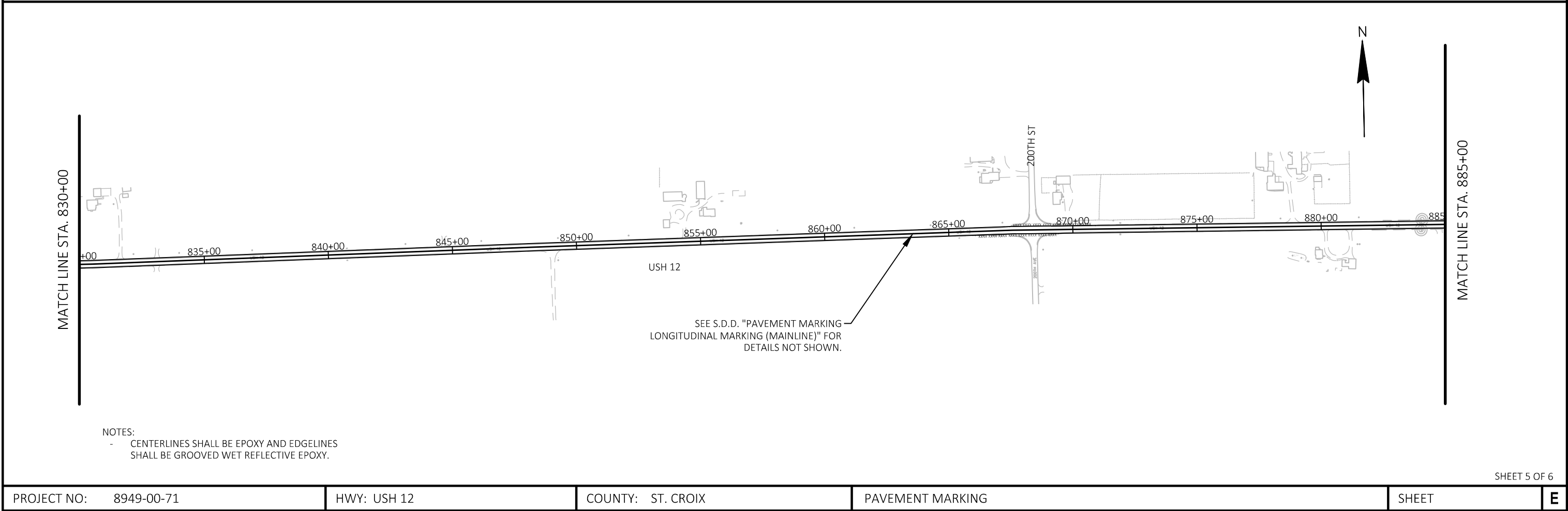
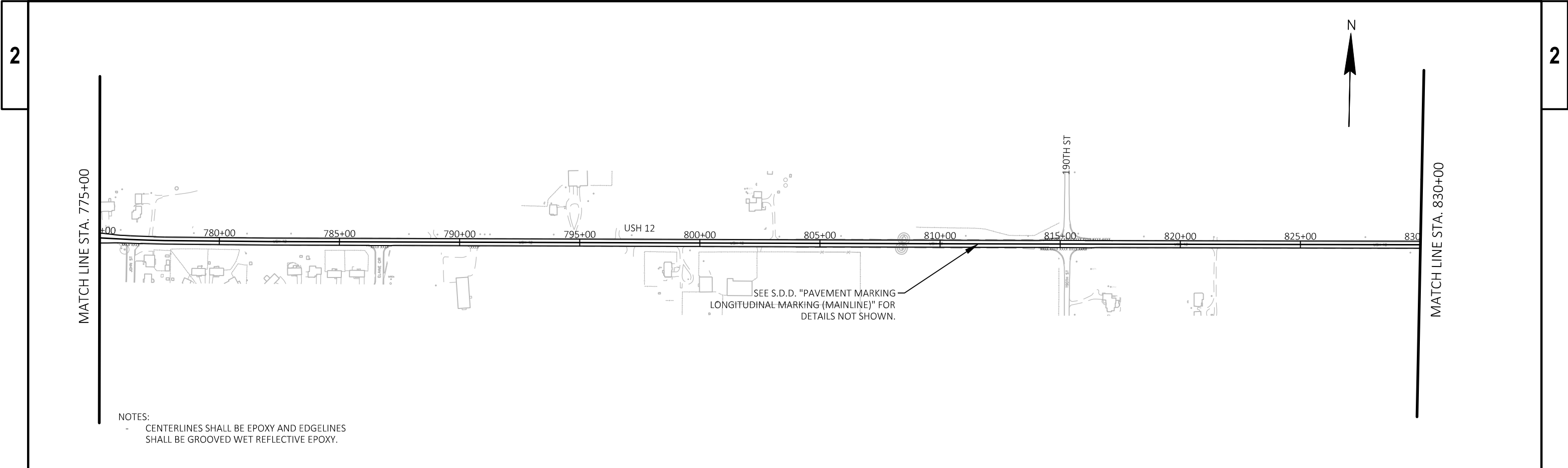
PARK STREET

WOLF STREET

USH 12

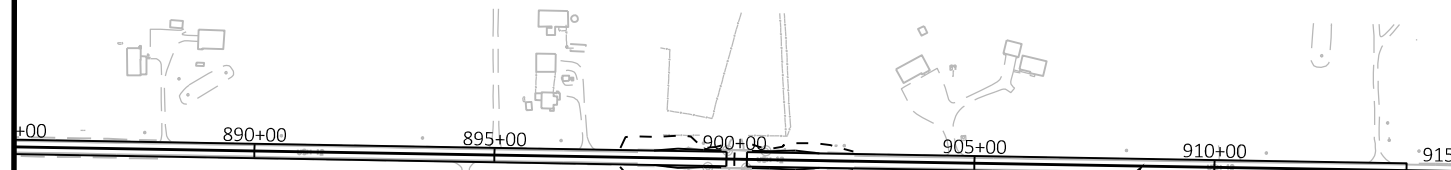
MATCH LINE STA. 720+00







MATCH LINE STA. 885+00



USH 12

SEE S.D.D. "PAVEMENT MARKING
LONGITUDINAL MARKING (MAINLINE)" FOR
DETAILS NOT SHOWN.

END PROJECT 8949-00-71
(MATCH PAVEMENT MARKINGS
COMPLETED UNDER PROJECT
8949-00-74)

- NOTES:
- CENTERLINES SHALL BE EPOXY AND EDGELINES
SHALL BE GROOVED WET REFLECTIVE EPOXY.

TRAFFIC CONTROL GENERAL NOTES:

- 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. REMOVING/REPLACING OR COVERING/UNCOVERING SIGNS WILL BE INCIDENTAL TO OTHER TRAFFIC CONTROL ITEMS.
- "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
- CONSIDER GEOMETRICS WHEN LOCATING SIGNS, ARROW BOARDS, AND SIGN MESSAGE BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE SIGNS, ARROW BOARDS, AND SIGN MESSAGE BOARDS.
- IF SIGNS ARE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS WITH A MINIMUM 5' MOUNTING HEIGHT.
- ALL TRAFFIC CONTROL SIGNING SHALL CONFIRM TO: PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE WISCONSIN SUPPLEMENT TO THE MUTCD, TRAFFIC ENGINEERING, OPERATIONS AND SAFETY MANUAL, AND OTHER CONTRACT DOCUMENTS.
- THE TURNING OF TRAFFIC CONTROL DEVICES WHEN NOT IN USE TO OBSCURE THE MESSAGE WILL NOT BE ALLOWED.
- MOVE, REMOVE OR INSTALL ROUTE MARKER SIGNS AS REQUIRED TO MAINTAIN NECESSARY ROUTE GUIDANCE THROUGHOUT CONSTRUCTION.
- CONTRACTORS EQUIPMENT AND MATERIAL STOCKPILES MAY NOT BE STORED WITHIN THE CONSTRUCTION CLEAR ZONE WHILE THE CONTRACTOR IS NOT WORKING, UNLESS THEY ARE PROTECTED BY CONCRETE BARRIER TEMPORARY PRECAST.

MAINTENANCE OF TRAFFIC:

USH 12

- USH 12 SHALL REMAIN OPEN TO ALL EXISTING LANES AT ALL TIMES EXCEPT FOR FLAGGING OPERATIONS AND ROAD CLOSURES AS NOTED IN THE CONTRACT SPECIAL PROVISIONS.

LOCAL ROADS AND DRIVEWAYS

- PROTECT WORK ZONE WITH DRUMS AND MAINTAIN ACCESS TO LOCAL TRAFFIC AND PRIVATE DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.

PEDESTRIANS

- CONTRACTOR SHALL MAINTAIN MINIMUM OF ONE PEDESTRIAN CROSSING ON NORTH SIDE OR SOUTH SIDE AT AN INTERSECTION, AT ALL TIMES DURING CURB RAMP CONSTRUCTION IN VILLAGE OF HAMMOND.

CONSTRUCTION ACTIVITIES:

USH 12

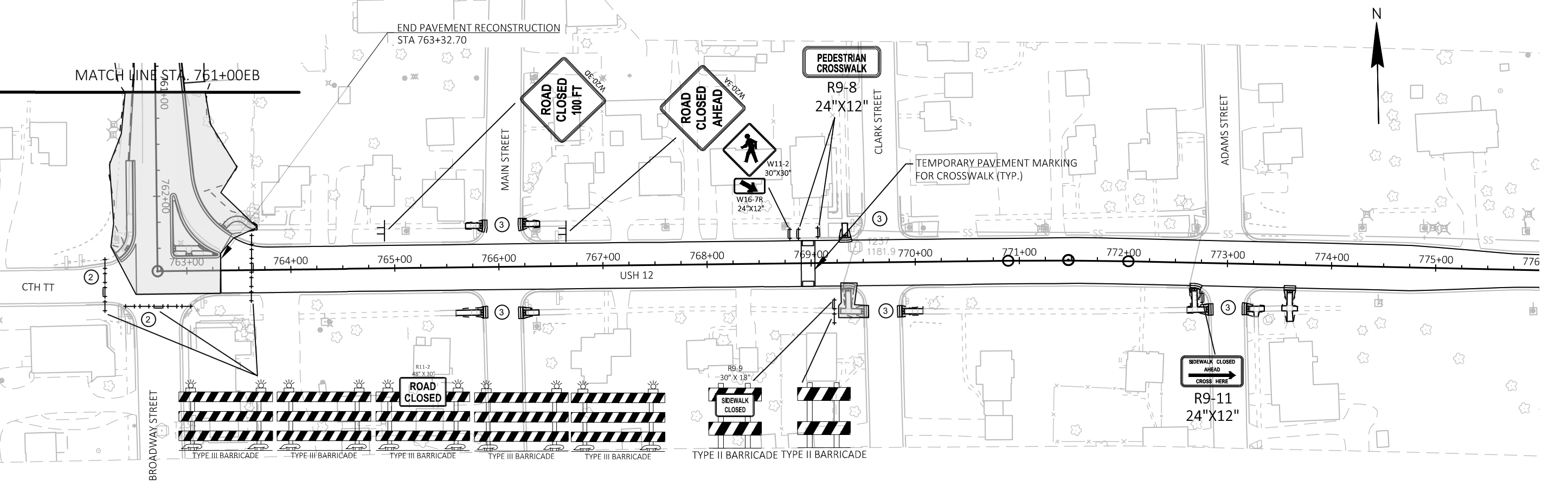
- MILL AND OVERLAY
- BRIDGE STRUCTURE
- ROADWAY RECONSTRUCTION AND ADA RAMPS IN VILLAGE OF HAMMOND

NOTES:

REFER TO THE FOLLOWING TRAFFIC CONTROL DETAILS, AS WELL AS STANDARD DETAIL DRAWINGS FOR TRAFFIC CONTROL DEVICES AS NECESSARY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER:

- SEE S.D.D. "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC"
- SEE S.D.D. "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION"
- SEE S.D.D. "TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES"
- SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- SEE S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"

PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	TRAFFIC CONTROL OVERVIEW	SHEET	E
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SIGN LEGEND

12

M1-4
24"x24"

DETOUR

M4-8
24"x12"

EAST

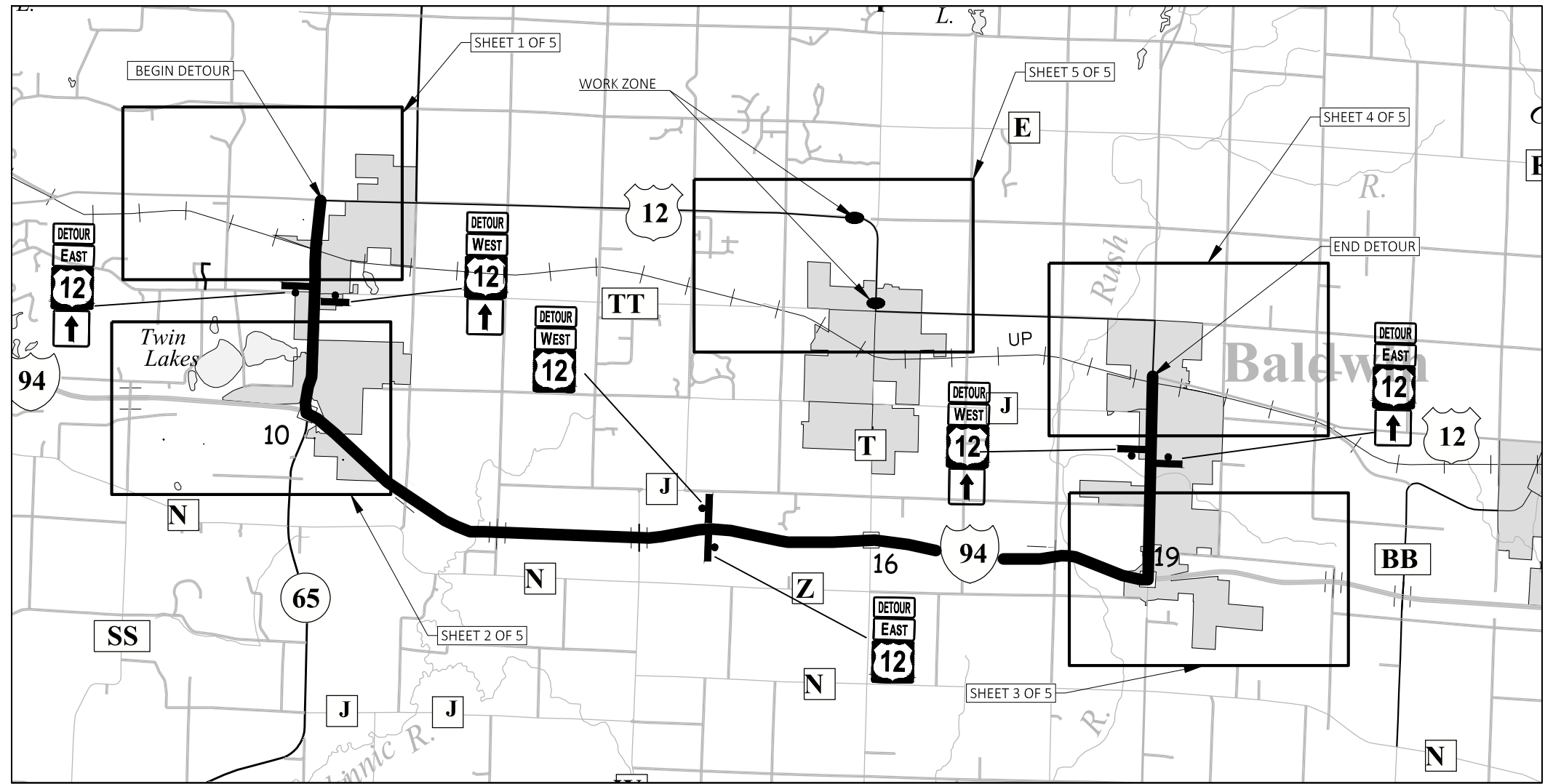
M3-2
24"x12"

WEST

M3-4
24"x12"

↑

MO6-1
21"x21"



LEGEND

EB & WB USH 12 DETOUR ROUTE

EXISTING SIGN MOUNTED ON POST(S)

SIGN MOUNTED ON POST(S)

EXISTING SIGN COVERED

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.

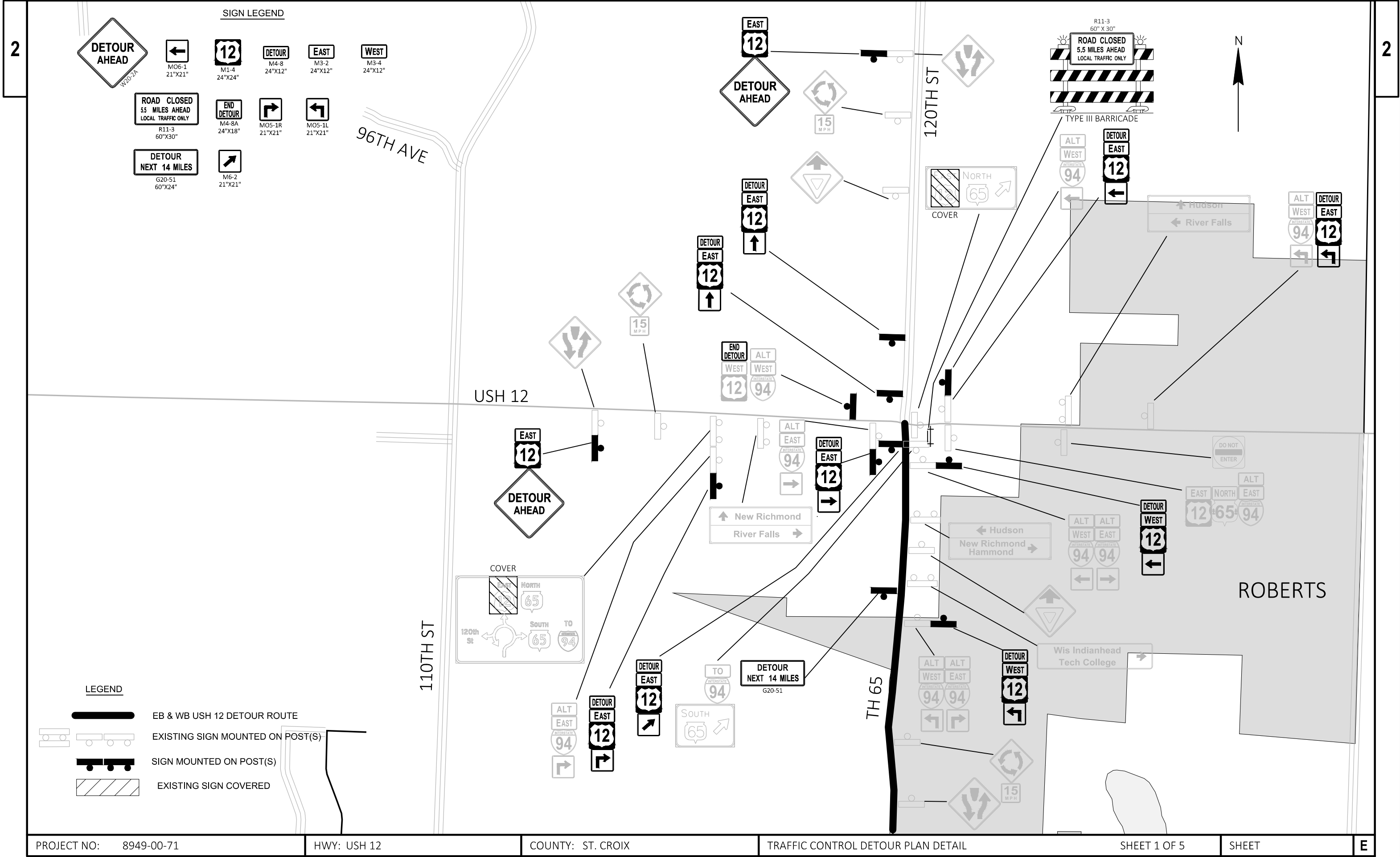
IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

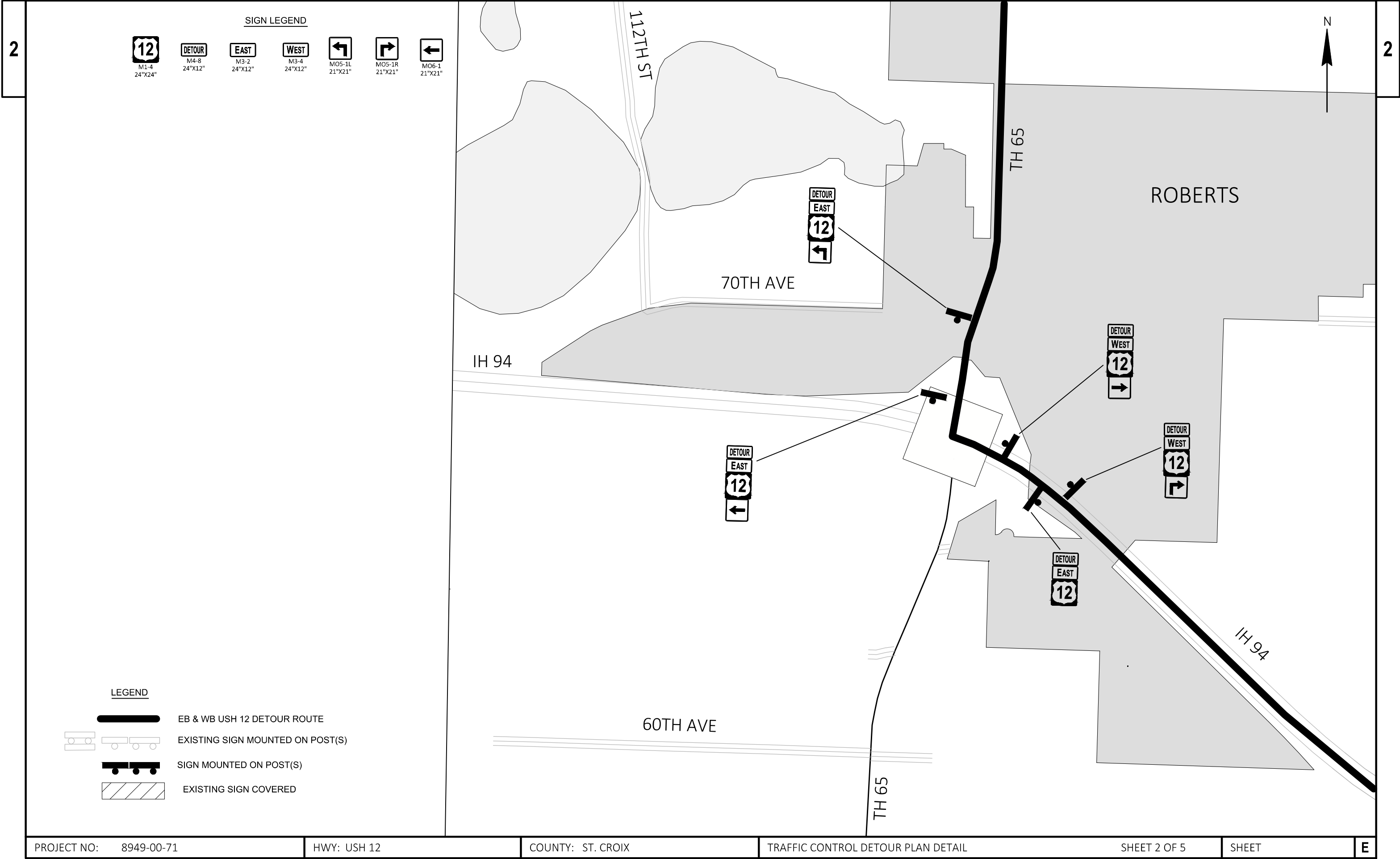
THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.

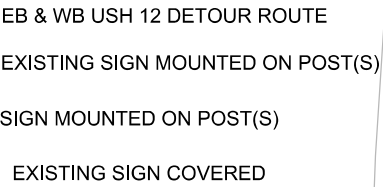
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

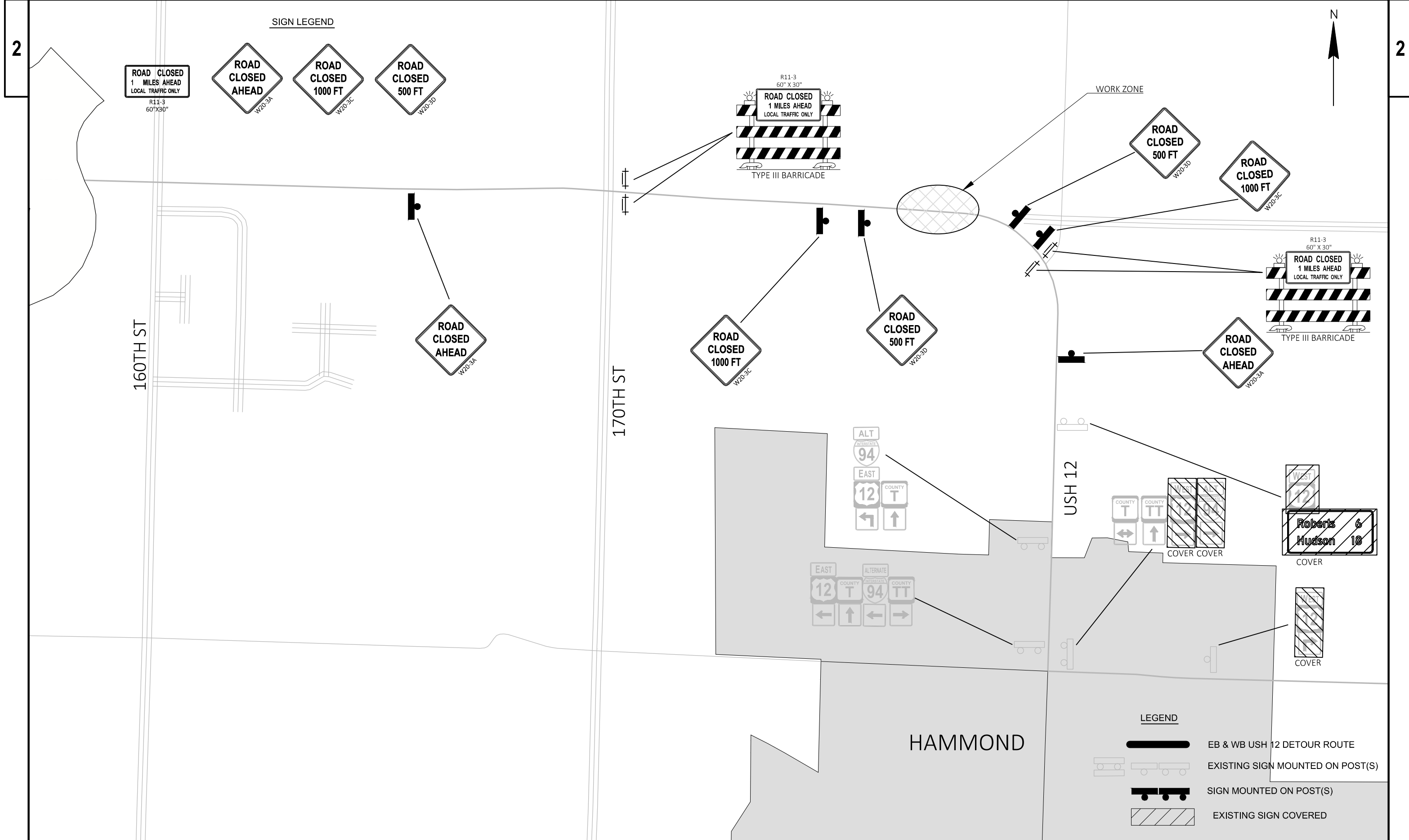
NOTE:
FOR DETAILS NOT SHOWN SEE SDD 'DETOUR SIGNING FOR MAINLINE CLOSURES' AND SDD 'BARRICADES AND SIGNS FOR MAINLINE CLOSURES.'



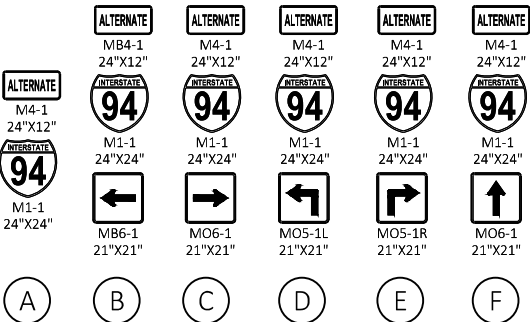


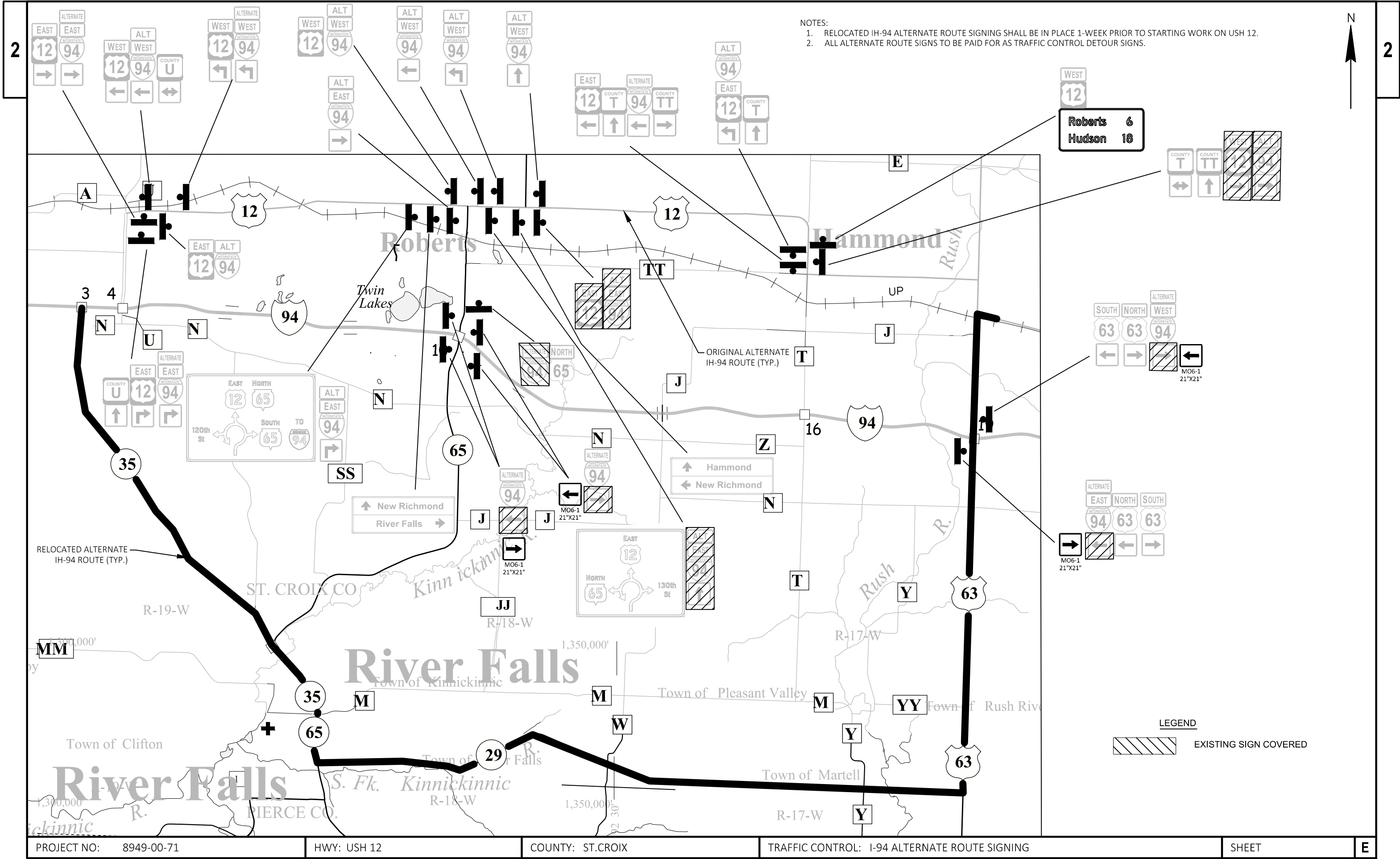






1. RELOCATED IH-94 ALTERNATE ROUTE SIGNING SHALL BE IN PLACE 1-WEEK PRIOR TO STARTING WORK ON USH 12.
2. ALL ALTERNATE ROUTE SIGNS TO BE PAID FOR AS TRAFFIC CONTROL DETOUR SIGNS.





REMOVING SMALL PIPE CULVERTS				
				203.0100
				REMOVING SMALL PIPE CULVERTS (EACH)
PROJECT	CATEGORY	LOCATION	STATION	
8949-00-71				
	0010	USH 12	483+11 EB	-
		USH 12	587+80 EB	1
		USH 12	589+61 EB	-
		USH 12	601+07 EB	-
		USH 12	701+78 EB	1
		USH 12	739+16 EB	-
		USH 12	756+00 EB	3
		USH 12	757+50 EB	1
	CATEGORY 0010 SUBTOTAL			
PROJECT 8949-00-71 TOTAL				6

REMOVING CONCRETE PAVEMENT				
				204.0100
				REMOVING CONCRETE PAVEMENT (SY)
PROJECT	CATEGORY	LOCATION	STATION - STATION	
8949-00-71				
	0010	USH 12	458+44 EB - 699+84 EB	826
		USH 12	700+36 EB - 746+57 EB	515
		USH 12	746+57 EB - 758+55 EB	249
		USH 12	763+33 EB - 775+74 EB	-
		USH 12	775+74 EB - 899+83 EB	-
		USH 12	900+26 EB - 914+00 EB	-
	CATEGORY 0010 SUBTOTAL			
	0030	USH 12	758+55 EB - 763+33 EB	2,420
	CATEGORY 0030 SUBTOTAL			
PROJECT 8949-00-71 TOTAL				4,010

REMOVING ASPHALTIC SURFACE				
				204.0110
				REMOVING ASPHALTIC SURFACE (SY)
PROJECT	CATEGORY	LOCATION	STATION - STATION	
8949-00-71				
	0030	USH 12	758+55 EB - 763+33 EB	210
	CATEGORY 0030 SUBTOTAL			210
PROJECT 8949-00-71 TOTAL				210

REMOVING ASPHALTIC SURFACE BUTT JOINTS				
				204.0115
				REMOVING ASPHALTIC SURFACE BUTT JOINTS (SY)
PROJECT	CATEGORY	LOCATION	STATION - STATION	
8949-00-71				
	0010	USH 12	458+44 EB - 699+84 EB	440
		USH 12	700+36 EB - 746+57 EB	-
		USH 12	746+57 EB - 758+55 EB	-
		USH 12	763+33 EB - 775+74 EB	-
		USH 12	775+74 EB - 899+83 EB	-
		USH 12	900+26 EB - 914+00 EB	-
	CATEGORY 0010 SUBTOTAL			440
PROJECT 8949-00-71 TOTAL				440

REMOVING ASPHALTIC SURFACE MILLING				
				204.0120
				REMOVING ASPHALTIC SURFACE MILLING (SY)
PROJECT	CATEGORY	LOCATION	STATION - STATION	
8949-00-71				
	0010	USH 12	458+44 EB - 699+84 EB	71,679
		USH 12	700+36 EB - 746+57 EB	17,639
		USH 12	746+57 EB - 758+55 EB	3,677
		USH 12	763+33 EB - 775+74 EB	3,431
		USH 12	775+74 EB - 899+83 EB	41,625
		USH 12	900+26 EB - 914+00 EB	4,608
	CATEGORY 0010 SUBTOTAL			142,660
	0040	USH 12	746+57 EB - 758+55 EB	1,189
		USH 12	763+33 EB - 775+74 EB	2,551
	CATEGORY 0040 SUBTOTAL			3,740
PROJECT 8949-00-71 TOTAL				146,400

REMOVING CURB & GUTTER				
				204.0150
				REMOVING CURB & GUTTER (LF)
PROJECT	CATEGORY	LOCATION	STATION - STATION	
8949-00-71				
	0010	USH 12	458+44 EB - 699+84 EB	-
		USH 12	700+36 EB - 746+57 EB	-
		USH 12	746+57 EB - 758+55 EB	8
		USH 12	763+33 EB - 775+74 EB	131
		USH 12	775+74 EB - 899+83 EB	-
		USH 12	900+26 EB - 914+00 EB	-
	CATEGORY 0010 SUBTOTAL			
	0030	USH 12	758+55 EB - 763+33 EB	161
	CATEGORY 0030 SUBTOTAL			
PROJECT 8949-00-71 TOTAL				300

REMOVING CONCRETE SIDEWALK				
				204.0155
				REMOVING CONCRETE SIDEWALK (SY)
PROJECT	CATEGORY	LOCATION	STATION - STATION	
8949-00-71				
	0010	USH 12	458+44 EB - 699+84 EB	-
		USH 12	700+36 EB - 746+57 EB	-
		USH 12	746+57 EB - 758+55 EB	-
		USH 12	763+33 EB - 775+74 EB	162
		USH 12	775+74 EB - 899+83 EB	-
		USH 12	900+26 EB - 914+00 EB	-
	CATEGORY 0010 SUBTOTAL			162
	0030	USH 12	758+55 EB - 763+33 EB	58
				58
	PROJECT 8949-00-71 TOTAL			

REMOVING GUARDRAIL				
				204.0165
				REMOVING GUARDRAIL (LF)
PROJECT	CATEGORY	LOCATION	STATION - STATION	
8949-00-71				
	0010	USH 12	458+44 EB - 699+84 EB	1,670
		USH 12	700+36 EB - 746+57 EB	814
		USH 12	746+57 EB - 758+55 EB	-
		USH 12	763+33 EB - 775+74 EB	-
		USH 12	775+74 EB - 899+83 EB	138
		USH 12	900+26 EB - 914+00 EB	138
CATEGORY 0010 SUBTOTAL				2,760
PROJECT 8949-00-71 TOTAL				2,760

REMOVING OLD STRUCTURE				
				203.0200.01
				204.0200.02
				205.0200.03
				206.0200.04
				207.0200.05
				REMOVING OLD STRUCTURE STA 700+10
				REMOVING OLD STRUCTURE STA 438+11
				REMOVING OLD STRUCTURE STA 589+61
				REMOVING OLD STRUCTURE STA 601+07
				REMOVING OLD STRUCTURE STA 739+16
PROJECT	CATEGORY	LOCATION	STATION - STATION	(LS)
8949-00-71				
	0010	USH 12	710+100	1
	0010	USH 12	438+11	-
	0010	USH 12	589.61	-
	0010	USH 12	601+07	-
	0010	USH 12	739+16	-
	CATEGORY 0010 SUBTOTAL			
PROPOSAL TOTAL				1

REMOVING STORM SEWER						
				204.0245.01	204.0245.02	204.0245.03
				REMOVING STORM SEWER (12-INCH) (LF)	REMOVING STORM SEWER (18-INCH) (LF)	REMOVING STORM SEWER (24-INCH) (LF)
PROJECT	CATEGORY	LOCATION	STATION - STATION			
8949-00-71						
	0010	USH 12	458+44 EB - 699+84 EB	-	-	-
		USH 12	700+36 EB - 746+57 EB	-	-	-
		USH 12	746+57 EB - 758+55 EB	-	0	54
		USH 12	763+33 EB - 775+74 EB	-	-	-
		USH 12	775+74 EB - 899+83 EB	-	-	-
		USH 12	900+26 EB - 914+00 EB	-	-	-
CATEGORY 0010 SUBTOTAL				0	0	54
	0030	USH 12	758+55 EB - 763+33 EB	86	48	-
CATEGORY 0030 SUBTOTAL				86	48	0
PROJECT 8949-00-71 TOTAL				86	48	54

FINISHING ROADWAY				
				213.0100
				FINISHING ROADWAY (8949-00-71/74) (EACH)
PROJECT	CATEGORY	LOCATION	STATION - STATION	
8949-00-71				
UNDISTRIBUTED				1
PROJECT 8949-00-71 TOTAL				1

BASE AGGREGATE DENSE					
				305.0110	305.0120*
				BASE AGGREGATE DENSE 3/4-INCH (TON)	BASE AGGREGATE DENSE 1 1/4-INCH (TON)
PROJECT	CATEGORY	LOCATION	STATION - STATION		
8949-00-71					
	0010	USH 12	458+44 EB - 699+84 EB	383	1,465
		USH 12	700+36 EB - 746+57 EB	293	1,066
		USH 12	746+57 EB - 758+55 EB	7	166
		USH 12	763+33 EB - 775+74 EB	38	100
		USH 12	775+74 EB - 899+83 EB	98	232
		USH 12	900+26 EB - 914+00 EB	99	232
CATEGORY 0010 SUBTOTAL				919	3,262
	0030	USH 12	758+55 EB - 763+33 EB	124	2,127
CATEGORY 0030 SUBTOTAL				124	2,127
UNDISTRIBUTED				1,609	-
PROJECT 8949-00-71 TOTAL				2,660	5,390
* ADDITIONAL QUANTITY FOUND IN STRUCTURES QUANTITIES					

3

				305.0500
				SHAPING
				SHOULDERS
PROJECT	CATEGORY	LOCATION	STATION - STATION	(STA)
8949-00-71				
	0010	USH 12	458+44 EB - 699+84 EB	482
		USH 12	700+36 EB - 746+57 EB	94
		USH 12	746+57 EB - 758+55 EB	24
		USH 12	763+33 EB - 775+74 EB	-
		USH 12	775+74 EB - 899+83 EB	248
		USH 12	900+26 EB - 914+00 EB	28
	CATEGORY 0010 SUBTOTAL			876

CONCRETE		
PAVEMENT	CONCRETE	CONCRETE
APPROACH	PAVEMENT	SURFACE
SLAB	7-INCH	DRAINS

8949-00-71						
0010	USH 12	458+44 EB - 699+84 EB	50	10	3	
	USH 12	700+36 EB - 746+57 EB	50	17	-	
	USH 12	746+57 EB - 758+55 EB	-	-	-	
	USH 12	763+33 EB - 775+74 EB	-	-	-	
	USH 12	775+74 EB - 899+83 EB	-	-	-	
	USH 12	900+26 EB - 914+00 EB	-	-	-	
CATEGORY 0010 SUBTOTAL			100	27	3	

CLEANING
CULVERT
PIPES
(EACH)

8949-00-71				
0010	USH 12	458+44 EB - 699+84 EB	1	
	USH 12	700+36 EB - 746+57 EB	-	
	USH 12	746+57 EB - 758+55 EB	-	
	USH 12	763+33 EB - 775+74 EB	-	
	USH 12	775+74 EB - 899+83 EB	-	
	USH 12	900+26 EB - 914+00 EB	-	
CATEGORY 0010 SUBTOTAL				1

3

MILLING
& REMOVING
TEMPORARY
JOINT
(I F)

8949-00-71			
0010	USH 12	458+44 EB - 699+84 EB	47,926
	USH 12	700+36 EB - 746+57 EB	8,970
	USH 12	746+57 EB - 758+55 EB	2,396
	USH 12	763+33 EB - 775+74 EB	2,482
	USH 12	775+74 EB - 899+83 EB	24,820
	USH 12	900+26 EB - 914+00 EB	2,750
CATEGORY 0010 SUBTOTAL			89,344
0030	USH 12	758+55 EB - 763+33 EB	956
CATEGORY 0030 SUBTOTAL			956
0040	USH 12	746+57 EB - 758+55 EB	-
	USH 12	763+33 EB - 775+74 EB	-
CATEGORY 0040 SUBTOTAL			0
UNDISTRIBUTED			-

CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE
CURB & GUTTER	CURB & GUTTER	CURB & GUTTER	MEDIAN	MEDIAN
GUTTER	4-INCH SLOPED	4-INCH SLOPED	BLUNT	SLOPE
30-INCH TYPE D (LF)	36-INCH TYPE TBT (LF)	36-INCH TYPE TBT (LF)	NOSE (SF)	NOSE (SF)

8949-00-71								
0010	USH 12	458+44 EB - 699+84 EB	-	50	30	-	-	
	USH 12	700+36 EB - 746+57 EB	-	-	-	-	-	
	USH 12	746+57 EB - 758+55 EB	8	-	-	-	-	
	USH 12	763+33 EB - 775+74 EB	132	-	-	-	-	
	USH 12	775+74 EB - 899+83 EB	-	-	-	-	-	
	USH 12	900+26 EB - 914+00 EB	-	-	-	-	-	
CATEGORY 0010 SUBTOTAL			140	50	30	0	0	
0030	USH 12	758+55 EB - 763+33 EB	650	-	-	15	13	
CATEGORY 0030 SUBTOTAL			650	0	0	15	13	

E

EARTHWORK																				
CATEGORY	STAGE	DIVISION	LOCATION	STATION TO STATION	205.0100 Common Excavation (1)		Salvaged/ Unusable Pavement Material (4)	Available Material (5)	Marsh Excavation (6) (CY)	Reduced Marsh in Fill (7) Factor 0.60	Reduced EBS in Fill (8) Factor 0.80	Expanded Marsh Backfill (9) Factor 1.50	Unexpanded Fill	Expanded Fill (10) Factor 1.25	Mass Ordinate +/- (11)	Waste	208.0100 Borrow (CY)	Comment:		
					Cut (2) (CY)	EBS Excavation (3) (CY)														
0010	1	1	USH 12	588+50 - 592+00	281	0	0	281	0	0	0	0	393	491	-210	0	210			
		2		599+00 - 603+00	210	0	0	210	0	0	0	468	585	-376	0	376				
		3		697+50 - 701+72	3,149	0	0	3,149	0	0	0	655	819	2,330	2,330	0				
		4		738+00 - 740+00	61	0	0	61	0	0	0	221	276	-216	0	216				
		5		758+55 - 763+33	1,145	0	44	1,101	0	0	0	205	256	845	845	0				
	TOTAL				4,847														801	

- 1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS
- 2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT
- 3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL
- 4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
- 5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
- 6) MARSH EXCAVATION - TO BE BACKFILLED WITH BORROW MATERIAL
- 7) REDUCED MARSH IN FILL - EXCAVATED MARSH MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. MARSH IN FILL REDUCTION FACTOR = 0.6
- 8) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USUABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.8
- 9) EXPANDED MARSH BACKFILL - THIS IS TO BE FILLED WITH BORROW MATERIAL. MARSH BACKFILL FACTOR = 1.5
- 10) EXPANDED FILL/SELECT FILL FACTOR = 1.25
- 11) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

HMA ITEMS											
				455.0605	460.6645	465.0120	465.0425	465.0475	465.0110	SPV.0090.05	
				TACK COAT	HMA PAVEMENT 5 MT 58-34 V	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL (TYPE 1)	ASPHALTIC CENTER LINE RUMBLE STRIP 2 LANE RURAL	ASPHALTIC SURFACE PATCHING	LANE REPAIR	
PROJECT	CATEGORY	LOCATION	STATION - STATION	(GAL)	(TON)	(TON)	(LF)	(LF)	(TON)	(LF)	REMARKS
8949-00-71											
	0010	USH 12	458+44 EB - 699+84 EB	11,390	14,906	-	43,600	23,034	-	-	
		USH 12	700+36 EB - 746+57 EB	2,385	3,171	-	8,729	4,390	-	-	
		USH 12	746+57 EB - 758+55 EB	547	726	7	-	-	-	-	
		USH 12	763+33 EB - 775+74 EB	480	625	-	-	-	-	-	
		USH 12	775+74 EB - 899+83 EB	5,792	7,529	-	22,739	11,485	-	-	
		USH 12	900+26 EB - 914+00 EB	641	834	-	2,532	1,391	-	-	
		UNDISTRIBUTED		-	-	-	-	-	88	4,500	INTENDED FOR MINOR REPAIRS
	CATEGORY 0010 SUBTOTAL			21,235	27,790	7	77,600	40,300	88	4,500	
	0030	USH 12	758+55 EB - 763+33 EB	527	950	3	-	-	-	-	
		UNDISTRIBUTED		-	-	-	-	-	3	-	INTENDED FOR MINOR REPAIRS
	CATEGORY 0030 SUBTOTAL			527	950	3	0	0	3	0	
	0040	USH 12	746+57 EB - 758+55 EB	162	211	-	-	-	-	-	
		USH 12	763+33 EB - 775+74 EB	357	470	-	-	-	-	-	
		UNDISTRIBUTED		-	-	-	-	-	2	-	INTENDED FOR MINOR REPAIRS
	CATEGORY 0040 SUBTOTAL			519	680	0	0	0	2	0	
PROJECT 8949-00-71 TOTAL				22,280	29,420	10	77,600	40,300	93	4,500	

PWL MIXTURE USE TABLE								
LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED FOR:	
							MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
12 FOOT DRIVING LANES, LT AND RT	458+44.40'EB' - 483+04'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	1204	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
3 FOOT PAVED SHOULDERS, LT AND RT	458+44.40'EB' - 483+04'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	326	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
CULVERT REPLACEMENT 12 FOOT DRIVING LANES, LT AND RT	VARIOUS	UPPER AND LOWER LAYERS	BASE AGGREGATE	HMA PAVEMENT 5 MT 58-34V	91	6.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
CULVERT REPLACEMENT 3 FOOT PAVED SHOULDERS, LT AND RT	VARIOUS	UPPER AND LOWER LAYERS	BASE AGGREGATE	HMA PAVEMENT 5 MT 58-34V	68	6.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
12 FOOT DRIVING LANES, LT AND RT	483+18'EB' - 589+54'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	5162	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
3 FOOT PAVED SHOULDERS, LT AND RT	483+18'EB' - 589+54'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	1291	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
12 FOOT DRIVING LANES, LT AND RT	589+69'EB' - 601+00'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	549	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
3 FOOT PAVED SHOULDERS, LT AND RT	589+69'EB' - 601+00'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	138	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
12 FOOT DRIVING LANES, LT AND RT	601+15'EB' - 697+88'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	4696	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
3 FOOT PAVED SHOULDERS, LT AND RT	601+15'EB' - 697+88'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	1173	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
RECONSTRUCTED AREA 12 FOOT DRIVING LANES, LT AND RT	697+88'EB' - 701+72'EB'	UPPER AND LOWER LAYERS	BASE AGGREGATE	HMA PAVEMENT 5 MT 58-34V	334	6.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
RECONSTRUCTED AREA VARIES 3-6 FOOT PAVED SHOULDERS, LT AND RT	697+88'EB' - 701+72'EB'	UPPER AND LOWER LAYERS	BASE AGGREGATE	HMA PAVEMENT 5 MT 58-34V	217	6.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
12 FOOT DRIVING LANES, LT AND RT	701+72'EB' - 739+08'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	1814	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
3 FOOT PAVED SHOULDERS, LT AND RT	701+72'EB' - 739+08'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	657	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
12 FOOT DRIVING LANES, LT AND RT	739+23'EB' - 751+12'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	579	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
VARIES 3 FOOT PAVED SHOULDERS - 10 FOOT PARKING LANE RT, VARIES 1-3 FOOT PAVED SHOULDER LEFT	739+23'EB' - 751+12'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	192	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
12 FOOT DRIVING LANES, LT AND RT	751+27'EB' - 755+95'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	228	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
10 FOOT PARKING LANE RT, VARIES 1-3 FOOT PAVED SHOULDER LEFT	751+27'EB' - 755+95'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	123	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
12 FOOT DRIVING LANES, LT AND RT	756+10'EB' - 758+55.20'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	119	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
10 FOOT PARKING LANE RT, VARIES 1-3 FOOT PAVED SHOULDER LEFT	756+10'EB' - 758+55.20'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	61	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
PAVEMENT REPLACEMENT 12 FOOT DRIVING LANES, LT AND RT	758+55.20'EB' - 763+32.70'EB'	UPPER AND LOWER LAYERS	BASE AGGREGATE	HMA PAVEMENT 5 MT 58-34V	650	6.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
PAVEMENT REPLACEMENT VARIES PAVED SHOULDERS, LT AND RT	758+55.20'EB' - 763+32.70'EB'	UPPER AND LOWER LAYERS	BASE AGGREGATE	HMA PAVEMENT 5 MT 58-34V	299	6.75"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
12 FOOT DRIVING LANES, LT AND RT	763.32+70'EB' - 775+75'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	622	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
VARIES 3-10 FOOT PARKING LANE LT AND RT	763.32+70'EB' - 775+75'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	464	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
12 FOOT DRIVING LANES, LT AND RT	775+75'EB' - 899+80'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	6022	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
3 FOOT PAVED SHOULDERS, LT AND RT	775+75'EB' - 899+80'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	1507	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000
12 FOOT DRIVING LANES, LT AND RT	900+25'EB' - 914+00'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	667	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
3 FOOT PAVED SHOULDERS, LT AND RT	900+25'EB' - 914+00'EB'	UPPER AND LOWER LAYERS	EXISTING MILLED SURFACE	HMA PAVEMENT 5 MT 58-34V	167	3.25"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY HMA PAVEMENT 460.2000

CULVERT PIPES												
PROJECT	CATEGORY	LOCATION	STATION - STATION	521.1012	521.1018	521.1024	521.3112	521.3118	521.3124	522.2424	522.2624	
											CULVERT PIPE REINFORCED	
				APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH	APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH	APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH	CULVERT PIPE CORRUGATED STEEL 12-INCH	CULVERT PIPE CORRUGATED STEEL 18-INCH	CULVERT PIPE CORRUGATED STEEL 24-INCH	CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24x38-INCH	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24x38-INCH	
				(EACH)	(EACH)	(EACH)	(LF)	(LF)	(LF)	(LF)	(EACH)	
8949-00-71												
	0010	USH 12	458+44 EB - 699+84 EB	-	2	-	-	38	-	59	2	
		USH 12	700+36 EB - 746+57 EB	-	-	2	-	-	38	-	-	
		USH 12	746+57 EB - 758+55 EB	2	-	-	34	-	-	-	-	
		USH 12	763+33 EB - 775+74 EB	-	-	-	-	-	-	-	-	
		USH 12	775+74 EB - 899+83 EB	-	-	-	-	-	-	-	-	
		USH 12	900+26 EB - 914+00 EB	-	-	-	-	-	-	-	-	
	CATEGORY 0010 SUBTOTAL			2	2	2	34	38	38	59	2	
	0030	USH 12	758+55 EB - 763+33 EB	-	-	-	-	-	-	-	-	
	CATEGORY 0030 SUBTOTAL			0	0	0	0	0	0	0	0	
PROJECT 8949-00-71 TOTAL				2	2	2	34	38	38	59	2	

CULVERT PIPES											
PROJECT	CATEGORY	LOCATION	STATION - STATION	SPV.0090.01	SPV.0060.01	SPV.0090.02	SPV.0060.02	SPV.0090.03	SPV.0060.03	633.5200	
				CULVERT PIPE REINFORCED	APRON ENDWALLS FOR	CULVERT PIPE REINFORCED	APRON ENDWALLS FOR	CULVERT PIPE REINFORCED	APRON ENDWALLS FOR	CULVERT PIPE REINFORCED	MARKERS
				CONCRETE HORIZONTAL	CULVERT PIPE REINFORCED	CONCRETE HORIZONTAL	CULVERT PIPE REINFORCED	CONCRETE HORIZONTAL	CONCRETE HORIZONTAL	CONCRETE HORIZONTAL	CULVERT END
				ELLIPTICAL CLASS HE-IV	CONCRETE HORIZONTAL	ELLIPTICAL CLASS HE-IV	CONCRETE HORIZONTAL	ELLIPTICAL CLASS HE-IV	CONCRETE HORIZONTAL	ELLIPTICAL CLASS HE-IV	ELLIPTICAL CLASS HE-IV
				27X42-INCH	ELLIPTICAL 27x42-INCH	22X34-INCH	ELLIPTICAL 22x34-INCH	43X68-INCH	ELLIPTICAL 43x68-INCH	(EACH)	
				(LF)	(EACH)	(LF)	(EACH)	(LF)	(EACH)	(EACH)	
8949-00-71											
	0010	USH 12	458+44 EB - 699+84 EB	51	2	77	2	-	-	2	
		USH 12	700+36 EB - 746+57 EB	-	-	-	-	54	2	2	
		USH 12	746+57 EB - 758+55 EB	-	-	-	-	-	-	-	
		USH 12	763+33 EB - 775+74 EB	-	-	-	-	-	-	-	
		USH 12	775+74 EB - 899+83 EB	-	-	-	-	-	-	2	
		USH 12	900+26 EB - 914+00 EB	-	-	-	-	-	-	-	
	CATEGORY 0010 SUBTOTAL			51	2	77	2	54	2	6	
	0030	USH 12	758+55 EB - 763+33 EB	-	-	-	-	-	-	-	
	CATEGORY 0030 SUBTOTAL			0	0	0	0	0	0	0	
PROJECT 8949-00-71 TOTAL				51	2	77	2	54	2	6	

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STORM SEWER PIPE SCHEDULE								
						608.0412	608.0418	608.0424
						STORM SEWER PIPE REINFORCED CONCRETE		
						CLASS IV		
FROM STRUCT.	TO STRUCT.	INLET ELEV	OUTLET ELEV	SLOPE %	12-INCH (LF)	18-INCH (LF)	24-INCH (LF)	
8949-00-71								
1.0	2.0	1142.90	1141.31	2.92	-	-	55	
3.0	5.0	1148.81	1147.32	3.75	40	-	-	
4.0	5.0	1147.02	1146.32	4.46	-	-	16	
5.0	6.0	1146.32	1145.80	1.05	-	-	49	
7.0	8.0	1158.46	1155.06	7.29	47	-	-	
8.0	11.0	1155.06	1153.96	7.29	15	-	-	
9.0	10.0	1154.22	1154.11	1.00	11	-	-	
10.0	11.0	1154.11	1153.96	1.00	15	-	-	
11.0	12.0	1153.46	1153.10	0.75	-	48	-	
PROJECT 8949-00-71 TOTAL					128	48	120	

STORM SEWER STRUCTURE SCHEDULE - INLETS, MANHOLES, AND ENDWALLS																		
										522.1012	522.1018	522.1024	611.0530	611.0624	611.0639	611.3230	611.2044	633.5200
STRUCT. NO.	STA	ALI	OFFSET	TOP STRUCT. ELEV	LOW STRUC. INV.	FLANGE ELEV	BOTTOM STRUCT. ELEV	DEPTH (FT)	ADJUST. RING HEIGHT (INCHES)	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE			MANHOLE COVERS	INLET COVERS	INLET COVERS	INLET 2X3-FT (EACH)	MANHOLES 4x4-FT (EACH)	MARKERS CULVERT END (EACH)
										12-INCH (EACH)	18-INCH (EACH)	24-INCH (EACH)	TYPE J (EACH)	TYPE H (EACH)	TYPE H-S (EACH)			
8949-00-71																		
1.0	751+20	EB	28.3' LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.0	751+20	EB	26.2' RT	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
3.0	755+64	EB	23.5' LT	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
4.0	756+19	EB	24.1' LT	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
5.0	756+03	EB	23.8' LT	1148.94	1146.32	1150.52	1146.07	2.87	2	-	-	-	1	-	-	-	1	-
6.0	756+03	EB	25.7' RT	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
7.0	759+92	EB	22.5' LT	1160.45	1158.46	1161.45	1158.29	2.16	6	-	-	-	-	1	-	1	-	-
8.0	759+45	EB	22.5' LT	1157.31	1155.06	1158.31	1154.89	2.42	6	-	-	-	-	1	-	1	-	-
9.0	759+30	EB	48.4' LT	1156.17	1154.22	1157.17	1154.05	2.12	6	-	-	-	-	-	1	1	-	-
10.0	759+30	EB	37.6' LT	1156.49	1154.11	1157.49	1153.94	2.55	6	-	-	-	-	1	-	1	-	-
11.0	759+30	EB	22.5' LT	1155.84	1153.46	1157.76	1153.25	2.59	6	-	-	-	1	-	-	-	1	-
12.0	758+82	EB	25.3' LT	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
PROJECT 8949-00-71 TOTAL										1	1	3	2	3	1	4	2	5

PROJECT NO:	8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	MISCELLANEOUS QUANTITIES	SHEET	E
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CONCRETE SIDEWALK						
				602.0410	602.0505	602.0605
				CONCRETE SIDEWALK 5-INCH (SF)	CURB RAMP DETECTABLE WARNING FIELD YELLOW (SF)	CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW (SF)
PROJECT	CATEGORY	LOCATION	STATION - STATION			
8949-00-71						
	0010	USH 12	458+44 EB - 699+84 EB	-	-	-
		USH 12	700+36 EB - 746+57 EB	-	-	-
		USH 12	746+57 EB - 758+55 EB	-	-	-
		USH 12	763+33 EB - 775+74 EB	1,250	120	-
		USH 12	775+74 EB - 899+83 EB	-	-	-
		USH 12	900+26 EB - 914+00 EB	-	-	-
	CATEGORY 0010 SUBTOTAL			1,250	120	0
	0030	USH 12	758+55 EB - 763+33 EB	1,540	40	18
	CATEGORY 0030 SUBTOTAL			1,540	40	18
PROJECT 8949-00-71 TOTAL				2,790	160	18

EROSION CONTROL MOBILIZATIONS					
PROJECT	CATEGORY	LOCATION	STATION - STATION	628.1905	628.1910
				MOBILIZATIONS	MOBILIZATIONS
				EROSION	EMERGENCY
				CONTROL	EROSION
				(EACH)	CONTROL
8949-00-71					
UNDISTRIBUTED				6	3
PROJECT 8949-00-71 TOTAL				6	3

EROSION CONTROL																	
				606.0200	606.0300*	624.0100	628.1104	628.1504	628.1520	628.2004	628.2008	628.2023	628.7020	628.7504	628.7555	645.0120*	645.0130
				RIPRAP MEDIUM (CY)	RIPRAP HEAVY (CY)	WATER (MGAL)	EROSION BALES (EACH)	SILT FENCE (LF)	SILT FENCE MAINTENANCE (LF)	EROSION MAT CLASS I TYPE B (SY)	EROSION MAT URBAN CLASS I TYPE B (SY)	EROSION MAT CLASS II TYPE B (SY)	INLET PROTECTION TYPE D (EACH)	TEMPORARY DITCH CHECKS (LF)	CULVERT PIPE CHECKS (EACH)	GEOTEXTILE TYPE HR (SY)	GEOTEXTILE TYPE R (SY)
PROJECT	CATEGORY	LOCATION	STATION - STATION														
8949-00-71																	
	0010	USH 12	458+44 EB - 699+84 EB	47	28	225	12	2,628	7,884	8,998	-	-	-	150	9	40	40
		USH 12	700+36 EB - 746+57 EB	-	-	176	5	1,077	3,230	2,584	-	-	-	80	5	-	-
		USH 12	746+57 EB - 758+55 EB	113	-	17	-	144	433	1,032	150	-	-	50	6	-	260
		USH 12	763+33 EB - 775+74 EB	-	-	10	-	-	-	-	68	-	6	-	-	-	-
		USH 12	775+74 EB - 899+83 EB	-	-	73	1	243	728	637	-	-	2	20	-	-	-
		USH 12	900+26 EB - 914+00 EB	-	-	74	2	450	1,349	318	-	-	-	0	-	-	-
			UNDISTRIBUTED	-	-	-	-	1,139	3,407	3,400	62	-	-	-	-	-	-
	CATEGORY 0010 SUBTOTAL			160	28	575	20	5,680	17,030	16,970	280	0	8	300	20	40	300
	0030	USH 12	758+55 EB - 763+33 EB	-	-	225	-	274	821	187	824	290	5	40	1	-	-
			UNDISTRIBUTED	-	-	-	-	76	208	54	206	80	-	-	-	-	-
	CATEGORY 0030 SUBTOTAL			0	0	225	0	350	1,030	240	1,030	370	5	40	1	0	0
	0040	USH 12	746+57 EB - 758+55 EB	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		USH 12	763+33 EB - 775+74 EB	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	CATEGORY 0040 SUBTOTAL			0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROJECT 8949-00-71 TOTAL				160	28	800	20	6,030	18,060	17,210	1,310	370	13	340	21	40	300

* ADDITIONAL QUANTITY FOUND IN STRUCTURES QUANTITIES

MGS GUARDRAIL									
				614.001	614.2300	614.2340	614.2500	614.2610	614.2620
				BARRIER SYSTEM					
				GRADING SHAPING	MGS	MGS	MGS THRIE BEAM	MGS GUARDRAIL	
PROJECT	CATEGORY	LOCATION	STATION - STATION	FINISHING	GUARDRAIL 3	GUARDRAIL 3 L	TRANSITION	TERMINAL EAT	TERMINAL TYPE 2
				(EACH)	(LF)	(LF)	(LF)	(EACH)	(EACH)
8949-00-71									
	0010	USH 12	458+44 EB - 699+84 EB	4	537.5	-	158	8	-
		USH 12	700+36 EB - 746+57 EB	4	-	250	-	3	1
		USH 12	746+57 EB - 758+55 EB	-	-	-	-	-	-
		USH 12	763+33 EB - 775+74 EB	-	-	-	-	-	-
		USH 12	775+74 EB - 899+83 EB	2	-	-	79	2	-
		USH 12	900+26 EB - 914+00 EB	2	-	-	79	2	-
CATEGORY 0010 SUBTOTAL				12	537.5	250	316	15	1
PROJECT 8949-00-71 TOTAL				12	537.5	250	316	15	1

FIELD OFFICE 642.5001 PROJECTCATEGORYLOCATIONSTATION - STATIONFIELD OFFICE TYPE B (EACH) 8949-00-71 UNDISTRIBUTED1 PROJECT 8949-00-71 TOTAL1					SAWING 690.0150690.0250 PROJECTCATEGORYLOCATIONSTATION - STATIONSAWING ASPHALT (LF)SAWING CONCRETE (LF) 8949-00-71 0010USH 12458+44 EB - 699+84 EB2,245210 USH 12700+36 EB - 746+57 EB268158 USH 12746+57 EB - 758+55 EB547150 USH 12763+33 EB - 775+74 EB594124 USH 12775+74 EB - 899+83 EB1,455- USH 12900+26 EB - 914+00 EB-- CATEGORY 0010 SUBTOTAL5,109642 0030USH 12758+55 EB - 763+33 EB121238 CATEGORY 0030 SUBTOTAL121238 PROJECT 8949-00-71 TOTAL5,230880					INCENTIVE IRI RIDE 740.0440 PROJECTCATEGORYLOCATIONSTATION - STATIONINCENTIVE IRI RIDE (DOL) 8949-00-71 UNDISTRIBUTED37,760 PROJECT 8949-00-71 TOTAL37,760				
--	--	--	--	--	---	--	--	--	--	--	--	--	--	--

CONSTRUCTION STAKING 650.4000650.4500650.5000650.5500650.6000650.6500650.8000650.9000650.9910650.9920 PROJECTCATEGORYLOCATIONSTATION - STATIONCONSTRUCTION STAKING STORM SEWER (EACH)CONSTRUCTION STAKING SUBGRADE (LF)CONSTRUCTION STAKING BASE (LF)CONSTRUCTION STAKING CURB & GUTTER (LF)CONSTRUCTION STAKING PIPE CULVERTS (EACH)CONSTRUCTION STAKING STRUCTURE LAYOUT (B-55-0288) (LS)CONSTRUCTION STAKING RESURFACING REFERENCE (LF)CONSTRUCTION STAKING CURB RAMPS (EACH)CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (8949-00-71/74) (LS)CONSTRUCTION STAKING SLOPE STAKES (LF) 8949-00-71 0010USH 12458+44 EB - 699+84 EB8-245-4-23,517-2,172 USH 12700+36 EB - 746+57 EB4-151-2-4,470-1,116 USH 12746+57 EB - 758+55 EB7-6385-1,168-303 USH 12763+33 EB - 775+74 EB-301132--1,24112293 USH 12775+74 EB - 899+83 EB--12,410-215 USH 12900+26 EB - 914+00 EB--1,374-213 CATEGORY 0010 SUBTOTAL19076014011044,1801204,312 0030USH 12758+55 EB - 763+33 EB6480480650-0-05-478 CATEGORY 0030 SUBTOTAL648048065000050478 0040USH 12746+57 EB - 758+55 EB--0-0-0-0- USH 12763+33 EB - 775+74 EB--0-0-0-0- CATEGORY 0040 SUBTOTAL00000000000 UNDISTRIBUTED--1-1- PROJECT 8949-00-71 TOTAL254801,24079011144,1801714,790												
--	--	--	--	--	--	--	--	--	--	--	--	--

PAVEMENT MARKING											
		646.1020				646.3020		646.6120	646.7120	646.8120	648.0100
		MARKING LINE				MARKING LANE		MARKING	DIAGONAL	MARKING	LOCATING
		EPOXY 4-INCH		GROOVED WET REFLECTIVE EPOXY 4-INCH		EPOXY		STOP LINE	EPOXY	CURB	NO-PASSING
		YELLOW		WHITE		8-INCH WHITE		EPOXY	12-INCH	EPOXY	ZONES
CATEGORY		SOLID (LF)	12.5 SEG, 37.5 GAP (LF)	SOLID (LF)	12.5' SEG, 37.5' GAP (LF)	SOLID (LF)	3' SEG, 9' GAP (LF)	18-INCH (LF)	WHITE (LF)	(LF)	(MI)
0010	USH 12										
		20600	7663	92862	155.75		22				8
	CITY OF HAMMOND										
				2800		255		12	750	220	
	PROJECT TOTAL	20600	7663	95662	156	255	22	12	750	220	8

TRAFFIC CONTROL DEVICES											
		643.0300	643.0410	643.0420	643.0705	643.0900	643.0910	643.0920	643.1050	644.1601	649.0105
			TRAFFIC	TRAFFIC	TRAFFIC		TRAFFIC	TRAFFIC	TRAFFIC		TEMPORARY
		TRAFFIC	CONTROL	CONTROL	WARNING	TRAFFIC	COVERING	COVERING	CONTROL	TEMPORARY	MARKING
		CONTROL	BARRICADES	BARRICADES	LIGHTS	CONTROL	SIGNS	SIGNS	SIGNS	PEDESTRIAN	LINE
		DRUMS	TYPE II	TYPE III	TYPE A	SIGNS	TYPE I	TYPE II	PCMS	CURB RAMP	PAINT
CATEGORY	LOCATION	(DAYS)	(DAYS)	(DAYS)	(DAYS)	(DAYS)	(EACH)	(EACH)	(DAYS)	(DAYS)	(LF)
0010											
	USH 12										
	VILLAGE OF HAMMOND	70	70	175	350	168				14	264
	BRIDGE CULVERT			84	168	630	1	3			
	MILL AND OVERLAY USH 12					966					
	USH 12 SUBTOTAL	70	70	259	518	1766	1	3		14	264
DETOURS											
	USH 12 DETOUR			84	168	2100	2	2	20		
	USH 12 ALTERNATE ROUTE					1428		8			
	DETOURS SUBTOTAL			84	168	3532	2	10	20		
	PROJECT TOTAL	70	70	345	690	5300	3	13	20	14	264

SIGNING REMOVALS							
				638.2602	638.3000		
				REMOVING SIGNS	REMOVING SMALL SIGN	SIGN MOUNTED ON SAME POST	
CATEGORY	SIGN #	LOCATION	SIGN CODE	TYPE II EACH	SUPPORTS EACH	AS	REMARKS
0010	1R01	US12	W14-3	1	1	--	NO PASSING ZONE
	2R01	US12	W14 3	1	1		NO PASSING ZONE
	3R01	US12	W2-1	1	1	--	CROSS ROAD
	4R01	US12	W5-60R	1	1	--	BEAM GUARD REFLECTIVE END MARKER (RIGHT)
	4R02	US12	W5-60L	1	1	--	BEAM GUARD REFLECTIVE END MARKER (LEFT)
	4R03	US12	W5-60L	1	1	--	BEAM GUARD REFLECTIVE END MARKER (LEFT)
	4R04	US12	W5-60R	1	1	--	BEAM GUARD REFLECTIVE END MARKER (RIGHT)
	4R05	US12	JV	1	1	--	JUNCTION OR END ASSEMBLY
	5R01	US12	W14-3	1	1	--	NO PASSING ZONE
	5R02	US12	W3-5	1	1	--	SPEED LIMIT 30 MPH AHEAD [ARROW]
	6R01	US12	R2-1	1	1	--	SPEED LIMIT 30 MPH
	6R02	US12	J4-1	1	1	--	REASSURANCE ASSEMBLY (1 HEADED ROOUTE PANEL)
	6R03	US12	J3-2	1	--	6R03	DIRECTIONAL ASSEMBLY (2 HEADED ROUTE PANEL)
	6R04	US12	R2-1	1	1	--	SPEED LIMIT 30 MPH
	6R05	US12	J1-3	1	1	--	JUNCTION OR END ASSEMBLY (3 HEADED PANEL)
	6R06	US12	R5-1	1	1	--	DO NOT ENTER
	6R07	US12	R1-2	1	1	--	YIELD
	6R08	US12	J3-4	1	1	--	DIRECTIONAL ASSEMBLY (4 HEADED ROUTE PANEL)
	6R09	US12	J3-4	1	1	--	DIRECTIONAL ASSEMBLY (4 HEADED ROUTE PANEL)
	6R10	US12	J12-3	1	1	--	ROUTE TURN WITHOUT CARDINAL (3 HEADED ROUTE PANEL)
	6R11	US12	R1-1	1	1	--	STOP
	6R12	US12	J2-1	1	1	--	ROUTE TURN ASSEMBLY (1 HEAD PANEL)
	6R13	US12	R2-1	1	1	--	SPEED LIMIT 30 MPH
	6R14	US12	R2-1	1	1	--	SPEED LIMIT 30 MPH
	6R15	US12	J1-2	1	1	--	JUNCTION OR END ASSEMBLY (2 HEADED PANEL)
	7R01	US12	J1-1	1	1	--	JUNCTION OR END ASSEMBLY
PROJECT 8949-00-71 TOTAL				26	25		

3

3

PERMANENT SIGNING TYPE II														
				637.2210	637.2215	637.2230	634.0614	634.0616	634.0622	634.0814	634.0816			
					SIGNS TYPE II		POSTS WOOD 4X6-INCH			POSTS TUBULAR STEEL 2X2-INCH				
				SIGN SIZE WXH	SIGNS TYPE II	REFLECTIVE H	SIGNS TYPE II						SIGN MOUNTED	
CATEGORY	SIGN #	SIGN CODE	SIGN SIZE	IN	REFLECTIVE H	FOLDING	REFLECTIVE F	14 FT	16 FT	18 FT	14 FT	16 FT	ON/SAME POST AS	REMARKS
0010													--	
	1-01	W14-3	3	48X36	--	--	12	1	--	--	--	--	--	NO PASSING ZONE
	2-01	W14-3	3	48X36	--	--	12	1	--	--	--	--	--	NO PASSING ZONE
	3-01	W2-1	3	36X36	--	--	9	--	--	--	1	--	--	CROSS ROAD
	4-01	W5-60R	3	13X27.5	--	--	2.48	--	--	--	1	--	--	BEAM GUARD REFLECTIVE END MARKER (RIGHT)
	4-02	W5-60L	3	13X27.5	--	--	2.48	--	--	--	1	--	--	BEAM GUARD REFLECTIVE END MARKER (LEFT)
	4-03	W5-60L	3	13X27.5	--	--	2.48	--	--	--	1	--	--	BEAM GUARD REFLECTIVE END MARKER (LEFT)
	4-04	W5-60R	3	13X27.5	--	--	2.48	--	--	--	1	--	--	BEAM GUARD REFLECTIVE END MARKER (RIGHT)
	4-05	JV	3	36X108	--	27	--	--	--	--	--	1	--	JUNCTION OR END ASSEMBLY
	5-01	W14-3	3	48X36	--	--	12	1	--	--	--	--	--	NO PASSING ZONE
	5-02	W3-5	3	36X36	--	--	9	1	--	--	--	--	--	SPEED LIMIT 30 MPH AHEAD [ARROW]
	6-01	R2-1	2S	24X30	5	--	--	--	1	--	--	--	--	SPEED LIMIT 30 MPH
	6-02	J4-1	2S	24X36	--	6	--	--	1	--	--	--	--	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)
	6-03	J3-2	2S	48X57	--	19	--	--	--	--	--	--	6R03	DIRECTIONAL ASSEMBLY (2 HEADED ROUTE PANEL)
	6-04	R2-1	2S	24X30	5	--	--	--	1	--	--	--	--	SPEED LIMIT 30 MPH
	6-05	J1-3	2S	72X39	--	19.5	--	--	2	--	--	--	--	JUNCTION OR END ASSEMBLY (3 HEADED PANEL)
	6-06	R5-1	2S	30X30	6.25	--	--	--	1	--	--	--	--	DO NOT ENTER
	6-07	R1-2	2S	36X30	7.5	--	--	--	--	--	--	1	--	YIELD
	6-08	J3-4	2S	96X57	--	38	--	--	--	2	--	--	--	DIRECTIONAL ASSEMBLY (4 HEADED ROUTE PANEL)
	6-09	J3-4	2S	96X57	--	38	--	--	--	2	--	--	--	DIRECTIONAL ASSEMBLY (4 HEADED ROUTE PANEL)
	6-10	J12-3	2S	72X45	--	22.5	--	--	2	--	--	--	--	ROUTE TURN WITHOUT CARDINAL (3 HEADED ROUTE PANEL)
	6-11	R1-1	2S	30X30	6.25	--	--	--	1	--	--	--	--	STOP
	6-12	J2-1	2S	24X57	9.5	--	--	--	--	1	--	--	--	ROUTE TURN ASSEMBLY (1 HEAD PANEL)
	6-13	R2-1	2S	24X30	5	--	--	--	1	--	--	--	--	SPEED LIMIT 30 MPH
	6-14	R2-1	2S	24X30	5	--	--	--	1	--	--	--	--	SPEED LIMIT 30 MPH
	6-15	J1-2	2S	48X39	--	13	--	--	--	--	--	1	--	JUNCTION OR END ASSEMBLY (2 HEADED PANEL)
	7-01	J1-1	3	36X57	--	14.25	--	--	1	--	--	--	--	JUNCTION OR END ASSEMBLY
8949-00-71 TOTAL					49.5	197.25	63.93	4	12	5	5	3		

MOVING SIGNS TYPE II & MOVING SMALL SIGN SUPPORTS							
CATEGORY	SIGN #	LOCATION	SIGN CODE	638.2102	638.4000	SIGN MOUNTED ON SAME POST AS	REMARKS
				MOVING SIGNS TYPE II EACH	MOVING SMALL SIGN SUPPORTS EACH		
0010	1M01	US12	I55-56	1	1	--	ADOPT A HIGHWAY, ST.CROIX CENTRAL SCHOOLS
	4M01	US12	I55-56	1	1	--	ADOPT A HIGHWAY SPONSOR
	4M02	US12	I55-56	1	1	--	ADOPT A HIGHWAY SPONSOR
	6M01	US12	R1-1	1	1	--	STOP, DAVIS ST, NORTON ST
	6M02	US12	R1-1	1	1	--	STOP, DAVIS ST, WOLF ST
	6M03	US12	R1-1	1	1	--	STOP
	6M04	US12		1	1	--	MAIN ST, BROADWAY ST
	6M05	US12	R1-1	1	1	--	STOP
	6M06	US12	R1-1	1	1	--	STOP
	6M07	US12		1	1	--	CLARK ST, BROADWAY ST
	6M08	US12	R1-1	1	1	--	STOP
	6M09	US12	R1-1	1	1	--	STOP, ADAMS ST, BROADWAY ST
PROJECT 8949-00-71 TOTAL				12	12		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
8949-00-21
HUDSON TO BALDWIN
(STH 65 NORTH - USH 63 NORTH)
USH 12
ST. CROIX COUNTY



CONVENTIONAL SYMBOLS

SECTION LINE	---	SECTION CORNER SYMBOL		R/W MONUMENT (TO BE SET)	•
QUARTER LINE	---	SECTION CORNER MONUMENT		NON-MONUMENTED R/W POINT	o
SIXTEENTH LINE	---	GEODETIC SURVEY MONUMENT		FOUND IRON PIN (1-INCH UNLESS NOTED)	IP
NEW REFERENCE LINE	---	SIXTEENTH CORNER MONUMENT		OFF-PREMISE SIGN	
NEW R/W LINE	---	SIGN			
EXISTING R/W OR HE LINE	---				
PROPERTY LINE	---				
LOT, TIE & OTHER MINOR LINES	---				
SLOPE INTERCEPT	---				
CORPORATE LIMITS	---				
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)	---				
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)	---				
TEMPORARY LIMITED EASEMENT AREA	---				
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)	---				
TRANSMISSION STRUCTURES	---				
BUILDING	---				
BRIDGE	---				

CONVENTIONAL ABBREVIATIONS

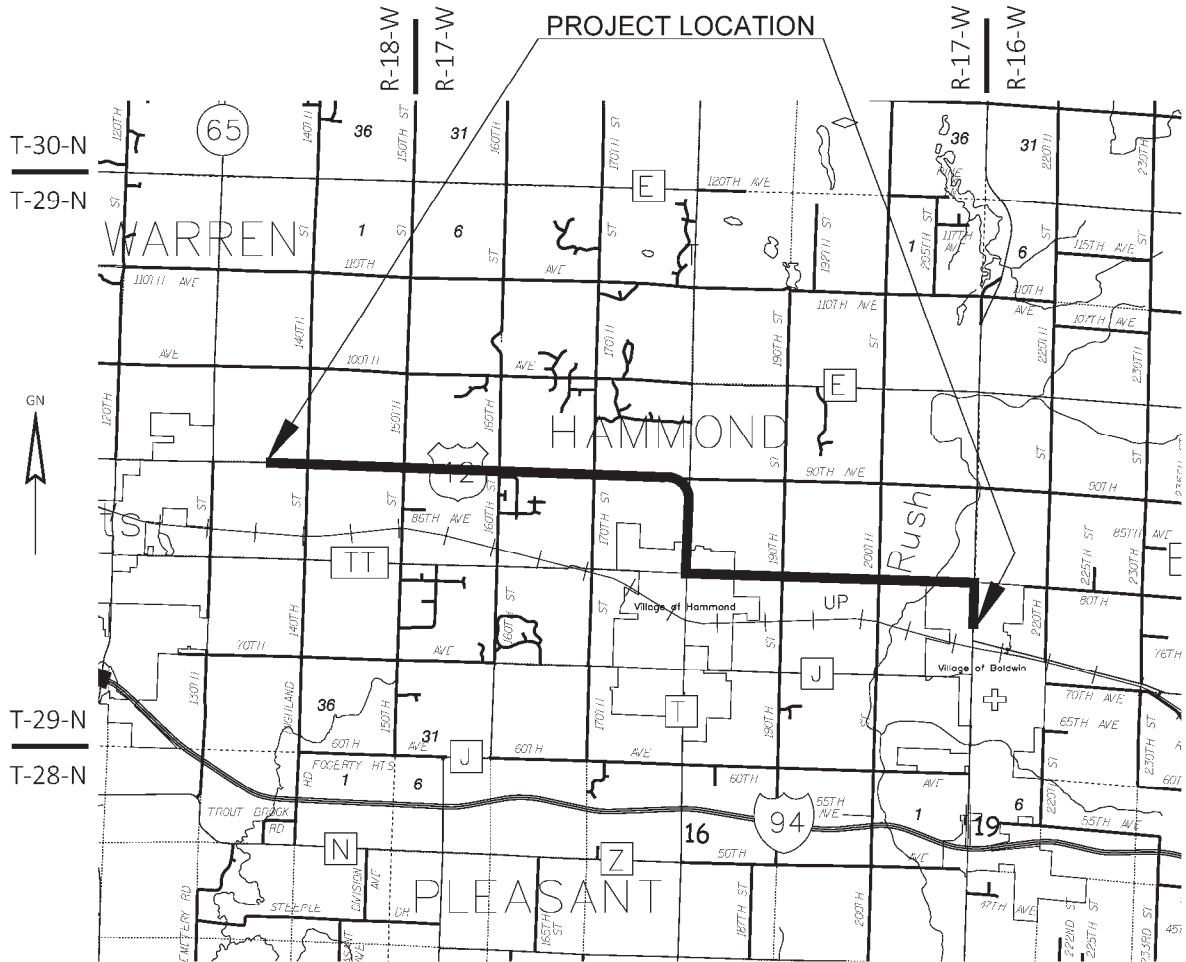
ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT	RDE
CENTERLINE	C/L	EASEMENT	
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT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

CURVE DATA

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

CONVENTIONAL UTILITY SYMBOLS

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



LAYOUT
SCALE 0 1.0 MI.

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 8949-00-21.

NOTES:

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

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

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

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

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

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

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN THE NW REGION, EAU CLAIRE OFFICE.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

TRANSPORTATION PROJECT PLAT NO: 8949-00-21 - 4.01

THAT PART OF THE SW 1/4 OF THE SE 1/4 OF SECTION 14, T29N, R18W, TOWN OF WARREN, ST. CROIX COUNTY, WISCONSIN

RELOCATION ORDER USH 12, HUDSON TO BALDWIN, STH 65 NORTH - USH 63 NORTH, ST. CROIX COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

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

ALL NEW RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY 3/4" X 24" REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHWEST REGION EAU CLAIRE OFFICE.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ST. CROIX COUNTY AS SHEET 2 OF 2.

1110221
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
08/26/2020 02:47 PM
EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 191
PAGES: 2
**The above recording information
verifies that this document has
been electronically recorded
& returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8949-00-21 - 4.01
SHEET 1 OF 2
AMENDMENT NO: __

R/W COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
100	101	N00° 42' 33"W	10.00'
101	102	N89° 17' 27"E	216.16'
102	103	S00° 42' 33"E	10.00'

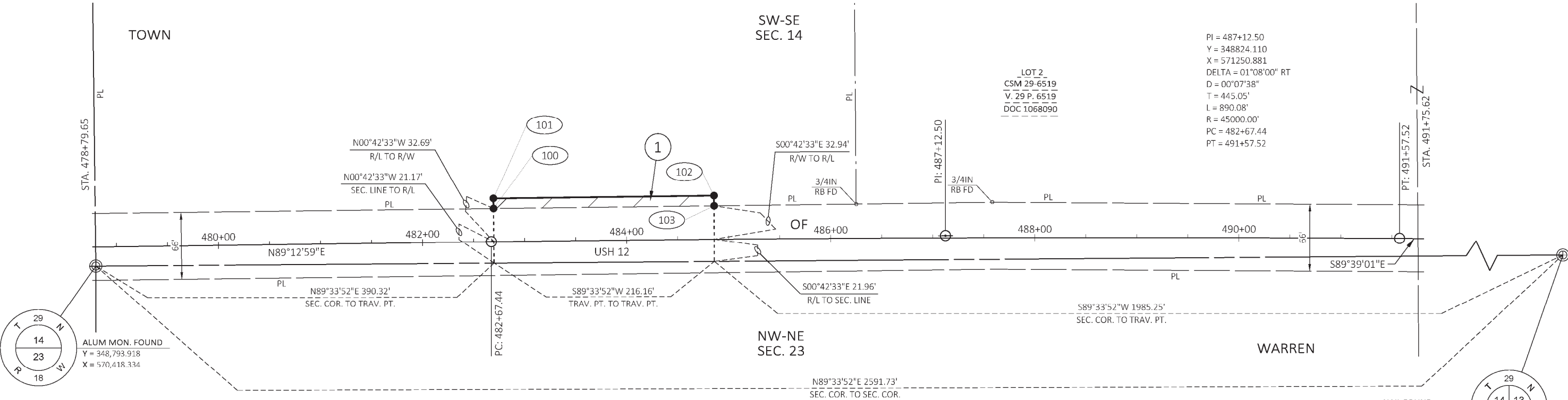
R/W Station & Offset Table		
Point No.	Station	Offset
100	482+70.00	32.69'
101	482+70.01	42.69'
102	484+85.96	42.94'
103	484+86.00	32.94'

UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	ST. CROIX ELECTRIC COOPERATIVE	RELEASE OF RIGHTS

EASEMENT TABLE		
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
100 ST. CROIX ELECTRIC COOPERATIVE	BLANKET EASEMENT V. 251, P. 452, DOC. NO. 190342A	1



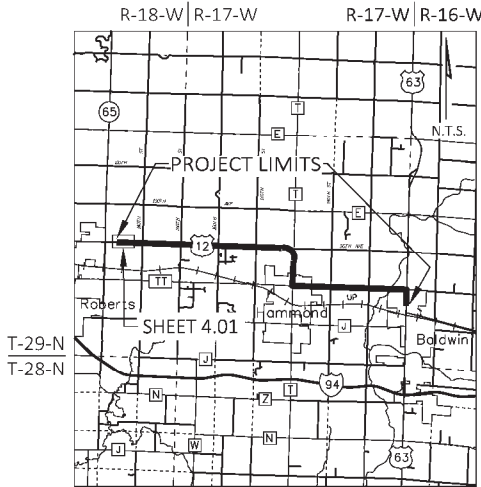
GN



SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO THE STATE OF WISCONSIN. ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED				
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
1	THE JERRY L. EMMERT AND NICOLLE L. EMMERT LIVING TRUST, AND JAMES A. EMMERT LIVING TRUST	FEE	2162	----	2162	----

HIGHWAY	BASIS
USH 12	R/W PROJECTS 6674, 6990, 8949-03-22, CSM 29-6519

LOCATION SKETCH



I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 8949-00-21-4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



TIMOTHY M. HELD
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
DEBRA B. STENSLAND
DATE 8/25/2020

4

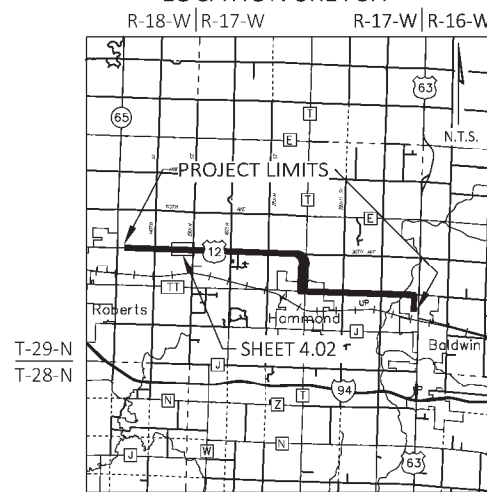
OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED		
		NEW	EXISTING	TOTAL
	FEE	1066	5359	6425
	FEE	7385	5367	12752

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

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE
WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHWEST REGION EAU CLAIRE OFFICE.

FOUND PROPERTY PIPES ARE 1" IRON PIN, UNLESS OTHERWISE NOTED

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8949-00-21 - 4.02
AMENDMENT NO: _____



I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 8949-00-21-4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

 09/25/2020
TIMOTHY M. HELD
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED
FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
 9-25-2020
DEBRA B. STENSLAND
DATE

TRANSPORTATION PROJECT PLAT NO: 8949-00-21 - 4.03

THAT PART OF THE SW 1/4 OF THE SE 1/4 OF SECTION 18 AND THAT PART OF THE NW 1/4 OF THE NE 1/4 OF SECTION 19, ALL IN T29N, R17W, TOWN OF HAMMOND, ST. CROIX COUNTY, WISCONSIN

RELOCATION ORDER USH 12, HUDSON TO BALDWIN, STH 65 NORTH - USH 63 NORTH, ST. CROIX COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

EASEMENT TABLE		
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
101 CENTURYLINK	NO EASEMENT OF RECORD FOUND	6

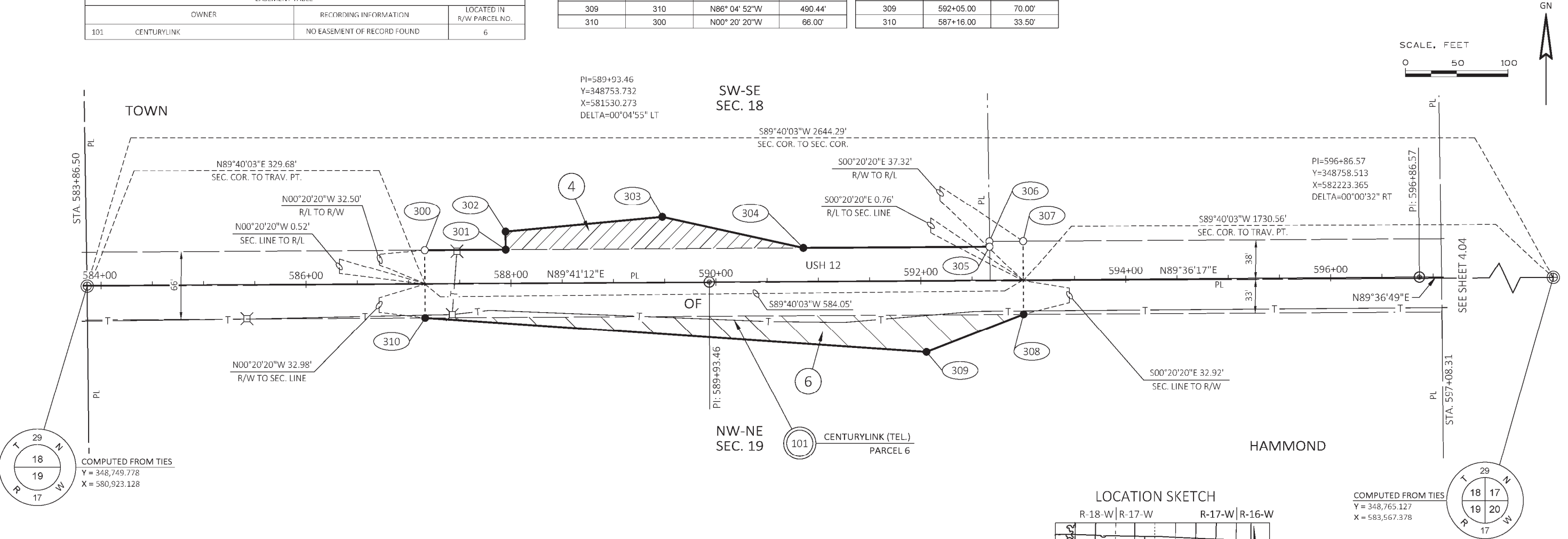
R/W COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
300	301	N89° 39' 40"E	79.03'
301	302	N00° 20' 20"W	17.00'
302	303	N84° 48' 18"E	153.56'
303	304	S78° 01' 32"E	140.68'
304	305	N89° 39' 40"E	181.95'
305	306	N00° 53' 15"W	5.00'
306	307	N89° 39' 40"E	32.66'
307	308	S00° 20' 20"E	71.00'
308	309	S68° 41' 00"W	101.71'
309	310	N86° 04' 52"W	490.44'
310	300	N00° 20' 20"W	66.00'

R/W Station & Offset Table		
Point No.	Station	Offset
300	587+15.97	32.50'
301	587+95.00	32.53'
302	587+94.99	49.53'
303	589+48.00	62.60'
304	590+85.50	32.53'
305	592+67.45	32.35'
306	592+67.41	37.35'
307	593+00.07	37.32'
308	593+00.00	33.68'
309	592+05.00	70.00'
310	587+16.00	33.50'

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (W/SCRS), ST. CROIX COUNTY, NAD 83(2011) IN U.S.SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
ALL NEW RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY 3/4" X 24" REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.
FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHWEST REGION EAU CLAIRE OFFICE.
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ST. CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1110221.

1112589
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
09/25/2020 08:04 AM
EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 192
PAGES: 1
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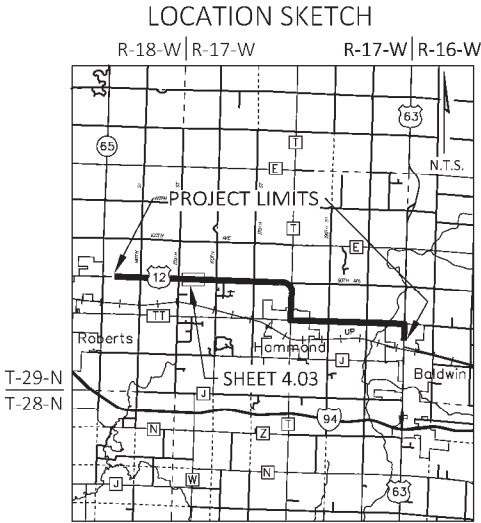
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8949-00-21 - 4.03
AMENDMENT NO:___



UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
101	CENTURYLINK	RELEASE OF RIGHTS

HIGHWAY	BASIS
USH 12	R/W PROJECTS 6674, 6990

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO THE STATE OF WISCONSIN. ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED				
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	NEW	EXISTING	TOTAL	TLE S.F.
4	THOMAS R. ROUGHTON AND BARBARA. ROUGHTON (DECEASED)	FEE	5657	18230	23887	----
6	JOHN E. SEE	FEE	10633	19245	29878	----



I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 8949-00-21-4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

TIMOTHY M. HELD
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DEBRA B. STENSLAND

TRANSPORTATION PROJECT PLAT NO: 8949-00-21 - 4.04

THAT PART OF OUTLOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 25 OF CERTIFIED SURVEY MAPS, PAGE 5857 AS DOCUMENT NUMBER 957353 LOCATED IN THE THE SE 1/4 OF THE SE 1/4 OF SECTION 18 AND THAT PART OF THE NE 1/4 OF THE NE 1/4 OF SECTION 19, ALL IN T29N, R17W, TOWN OF HAMMOND, ST. CROIX COUNTY, WISCONSIN

RELOCATION ORDER USH 12, HUDSON TO BALDWIN, STH 65 NORTH - USH 63 NORTH, ST. CROIX COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

EASEMENT TABLE		
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
101 CENTURYLINK	NO EASEMENT OF RECORD FOUND	8

RAW COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
400	401	N89° 37' 19" E	158.51'
401	402	N00° 22' 24" W	17.00'
402	403	N89° 34' 28" E	410.00'
403	404	S00° 22' 41" E	22.00'
404	405	N89° 37' 19" E	133.51'
405	406	S00° 22' 41" E	66.01'
406	407	S00° 22' 41" E	25.00'
407	408	S89° 35' 45" W	701.53'
408	409	N00° 31' 46" W	24.98'

R/W Station & Offset Table		
Point No.	Station	Offset
400	597+07.99	36.90'
401	598+66.50	36.88'
402	598+66.50	53.88'
403	602+76.50	54.16'
404	602+76.50	32.16'
405	604+10.01	32.14'
406	604+10.00	33.86'
407	604+09.99	58.86'
408	597+08.47	59.08'
409	597+08.41	34.10'

NOTES:

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

ALL NEW RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY 3/4" X 24" REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTH-WEST REGION EAU CLAIRE OFFICE.

EXISTING ACCESS CONTROL ALONG USH 12 ESTABLISHED FROM PREVIOUS PROJECT 8949-06-21.

FOUND PROPERTY PIPES ARE 1" IRON PIN, UNLESS OTHERWISE NOTED.

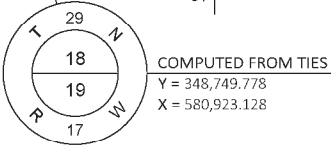
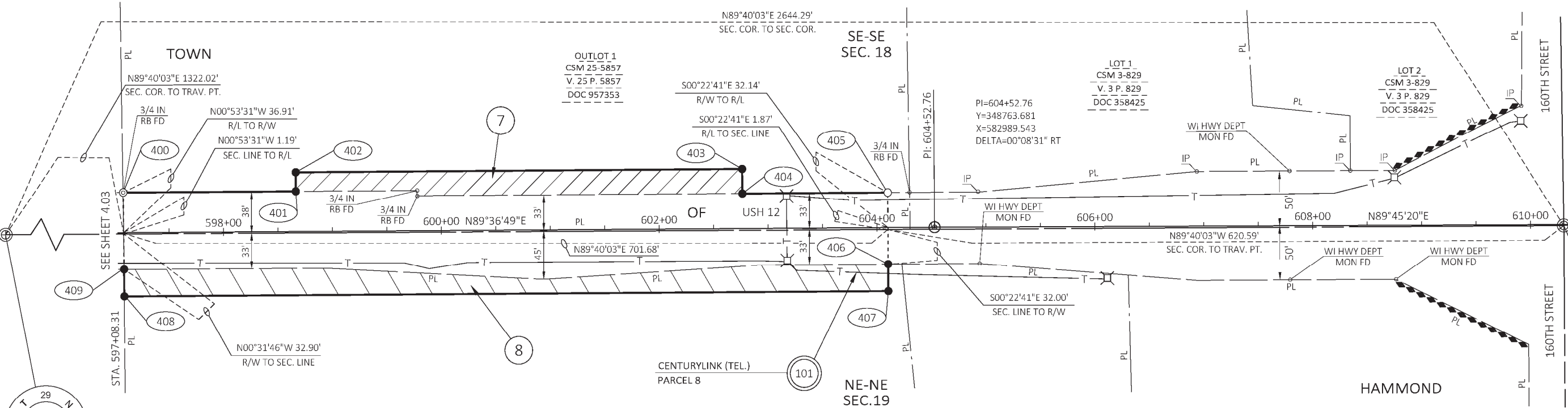
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ST. CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1110221.

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BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
09/25/2020 08:04 AM
EXEMPT #
PLAT FEE 25.00
VOLUME: TPP1
PAGES: 193
**The above recording information
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been electronically recorded
& returned to the submitter

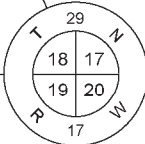
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PROJECT NUMBER 8949-00-21 - 4.04
AMENDMENT NO:___

GN

SCALE, FEET
0 50 100



COMPUTED FROM TIES
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X = 583,567.378



UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
101	CENTURYLINK	RELEASE OF RIGHTS

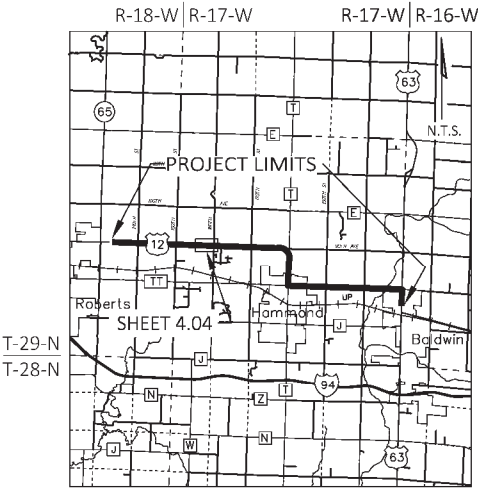
HIGHWAY	BASIS
USH 12	R/W PROJECT 8949-06-21, CSM 3-829, CSM 25-5857

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO THE STATE OF WISCONSIN
ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED			TLE S.F.
			NEW	EXISTING	TOTAL	
7	RICHARD KUEBKER AND ROSEMARIE KUEBKER	FEE	8432	24933	33365	----
8	DONALD H. RODE AND SHIRLEY M. RODE AS TRUSTEES AND SUCCESSOR TRUSTEES OF THE DONALD H. RODE AND SHIRLEY M. RODE REVOCABLE LIVING TRUST DATED MARCH 28, 2006 1/2 INTEREST AND WARREN A. RODE AND DIANE L. RODE REVOCABLE LIVING TRUST DATED MAY 20, 2013, 1/2 INTEREST	FEE	15159	----	15159	----

LOCATION SKETCH



KL Engineering
[A] Better Experience



I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 8949-00-21-4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

TIMOTHY M. HELD
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
DEBRA B. STENSLAND
DATE 09/23/2020
DATE 9-23-2020

TRANSPORTATION PROJECT PLAT NO: 8949-00-21 - 4.05

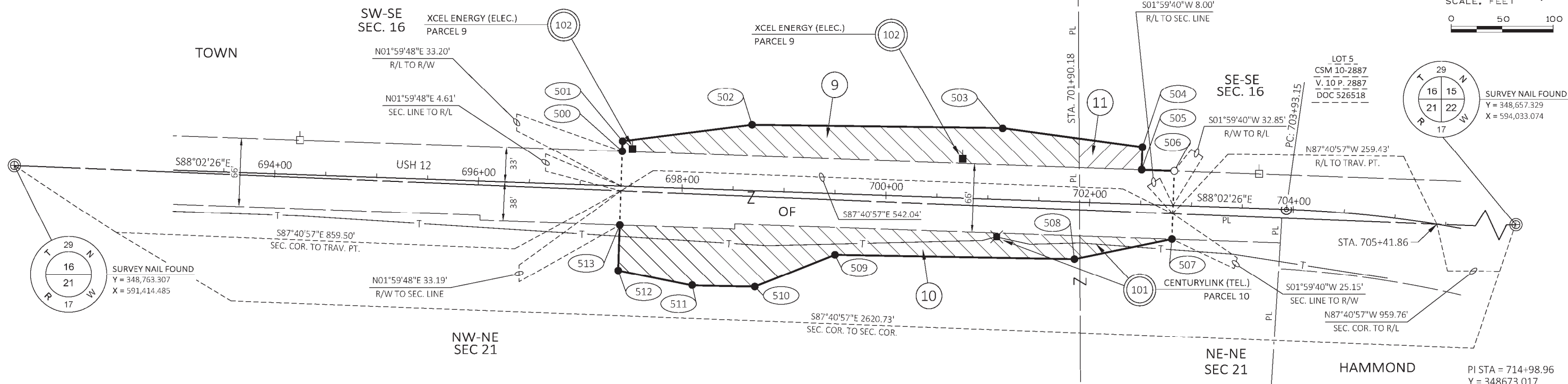
THAT PART OF LOT 5 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 10 OF CERTIFIED SURVEY MAPS, PAGE 2887 AS DOCUMENT NUMBER 526518 LOCATED IN THE SE 1/4 OF THE SE 1/4 AND PART OF THE SW 1/4 OF THE SE 1/4 ALL IN SECTION 16 AND THAT PART OF THE NW 1/4 OF THE NE 1/4 AND THE NE 1/4 OF THE NE 1/4 OF SECTION 21, ALL IN T29N, R17W, TOWN OF HAMMOND, ST. CROIX COUNTY, WISCONSIN

RELOCATION ORDER USH 12, HUDSON TO BALDWIN, STH 65 NORTH - USH 63 NORTH, ST. CROIX COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

EASEMENT TABLE		
OWNER	RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
101 CENTURYLINK	10' WIDE EASEMENT V. 1149, P. 219, DOC. 536333	10
102 XCEL ENERGY	NO EASEMENT OF RECORD FOUND	9



R/W COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
500	501	N01° 59' 48"E	10.00'
501	502	N82° 44' 20"E	128.05'
502	503	S89° 15' 46"E	245.66'
503	504	S82° 12' 42"E	138.71'
504	505	S01° 59' 40"W	22.00'
505	506	S88° 00' 20"E	32.04'
506	507	S01° 59' 40"W	66.00'
507	508	S78° 20' 10"W	97.75'
508	509	N88° 57' 29"W	235.03'
509	510	S68° 13' 55"W	84.65'
510	511	N88° 58' 20"W	61.51'
511	512	N78° 33' 28"W	74.08'
512	513	N01° 59' 48"E	45.00'
513	500	N01° 59' 48"E	71.00'

R/W Station & Offset Table		
Point No.	Station	Offset
500	697+40.01	33.20'
501	697+40.01	43.20'
502	698+66.41	63.72'
503	701+12.01	68.96'
504	702+50.01	54.87'
505	702+50.00	32.87'
506	702+82.04	32.85'
507	702+82.00	33.15'
508	701+87.00	56.17'
509	699+52.00	59.94'
510	698+74.50	94.00'
511	698+13.00	95.00'
512	697+39.93	82.80'
513	697+39.96	37.80'

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED			TLE S.F.
			NEW	EXISTING	TOTAL	
9	EVAN LEWIS	FEE	13195	17570	30765	----
10	JOHNSON DAIRY ENTERPRISES LLC	FEE	17718	15020	32738	----
11	SCOTT A. MADSEN AND WANDA M. MADSEN, AS TRUSTEES OF THE TRUST AGREEMENT OF SCOTT AND WANDA MADSEN	FEE	1552	3750	5302	----

UTILITY INTERESTS REQUIRED

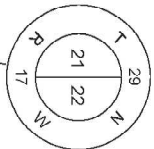
UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
101	CENTURYLINK	RELEASE OF RIGHTS
102	XCEL ENERGY	RELEASE OF RIGHTS



I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 8949-00-21-4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



TIMOTHY M. HELD
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
DEBRA B. STENSLAND
DATE 09/23/2020



COMPUTED FROM TIES

Y = 346,043.460
X = 594,042.194

S00°19'56"E 57.12'
SEC. COR. TO TRAV. PT.

TOWN

N89°43'19"E 0.69'
R/L TO SEC. LINE
N89°43'19"E 33.93'
R/W TO R/L
N89°43'19"E 31.38'
SEC. LINE TO R/W

CENTURYLINK (TEL.)
PARCEL 12

608

607

605

604

603

602

S89°43'19"W 42.08'
R/L TO R/W
S89°43'19"W 0.52'
SEC. LINE TO R/L

NE-SE
SEC. 21

NW-SW
SEC. 22

PCS A-1997

USH 12

VILLAGE

LOT 1
CSM 8-2310
V. 8 P. 2310
DOC 465421

OF

HAMMOND

HAMMOND

SEE SHEET 4.07

STA. 749+84.08

N00°12'08"W 2166.23'
SEC. COR. TO TRAV. PT.

N00°12'08"W 2614.24'
SEC. COR. TO SEC. COR.

NOTES

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ST. CROIX COUNTY, T40N R17W, S10E. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS ARE TYPE 2, TYPICALLY 3/4" X 24" REBAR. UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHWEST REGION EAU CLAIRE OFFICE.

FOUND PROPERTY PILES ARE 1" IRON PIN, UNLESS OTHERWISE NOTED.

FOR ADDITIONAL INFORMATION REFER TO THE TITLESHEET RECORDED IN THE OFFICE OF THE REG. ST. OF DEEDS IN ST. CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1112592.

1112592

BETH PABST

REGISTER OF DEEDS

ST. CROIX CO., WI

RECEIVED FOR RECORD

09/23/2020 08:04 AM

EXEMPT #

PLAT FEE 25.00

VOLUME: TPT1

PAGES: 1

**The above recording information

verifies that this document has

been returned to the submitter

RESERVED FOR REGISTER OF DEEDS

PROJECT NUMBER 8949-00-21 - 4.06

AMENDMENT NO. _____

TRANSPORTATION PROJECT PLAT NO: 8949-00-21 - 4.06

THAT PART OF THE NE 1/4 OF THE SE 1/4 OF SECTION 21 AND THAT PART OF THE NW 1/4 OF THE SW 1/4 OF SECTION 22, ALL IN T29N, R17W, TOWN OF HAMMOND, ST. CROIX COUNTY, WISCONSIN

RELOCATION ORDER USH 12, HUDSON TO BALDWIN, 5TH 65 NORTH - USH 63 NORTH, ST. CROIX COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAY OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (3) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO THE STATE OF WISCONSIN. ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED.

PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W S.F. REQUIRED	NEW	EXISTING	TOTAL	TITLE S.F.
12	JORDAN RIVER LAND, LLC	FEE	3278	13634	16912	---	---
13	HAMMOND GOLF CLUB, INC.	FEE	3938	12369	16307	---	---

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
101	CENTURYLINK	RELEASE OF RIGHTS

EASEMENT TABLE

OWNER	RECORDING INFORMATION	LOCATED IN
101	CENTURYLINK	R/W PARCEL NO. 12

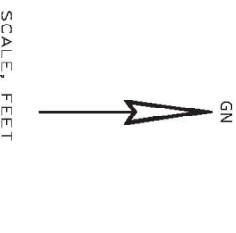
HIGHWAY	BASE
DAVIS STREET/USH 12	R/W PROJECT 0990, PLAT OF SURVEY A-1997

R/W/COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
600	601	S04°48'11"E	190.13'
601	602	S01°06'40"W	201.40'
602	603	S89°39'38"W	10.00'
603	604	S89°43'19"W	74.50'
604	605	N00°16'41"W	23.92'
605	606	N89°42'44"E	8.50'
606	607	N00°16'41"W	103.01'
607	608	N15°38'11"W	101.82'
608	609	N10°15'42"E	147.42'
609	610	N00°16'41"W	20.94'
610	600	N89°43'19"E	66.00'

R/W Station & Offset Table

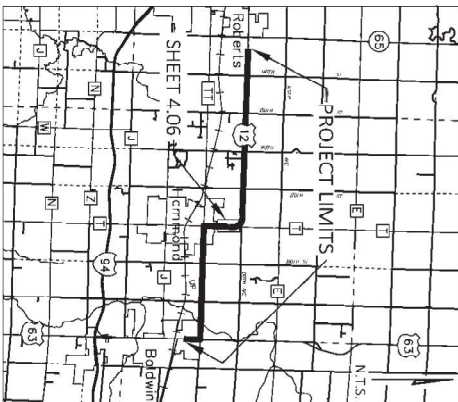
Point No.	Station	Offset
600	737+34.00	32.07'
601	739+23.50	47.52'
602	741+25.00	42.42'
603	741+25.00	32.42'
604	741+24.92	42.08'
605	741+01.00	42.05'
606	741+01.01	33.55'
607	739+98.00	33.44'
608	739+00.00	60.50'
609	737+55.00	33.88'
610	737+34.16	33.93'



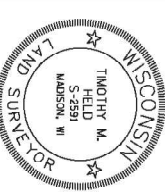
SCALE, FEET

LOCATION SKETCH

R-18-W | R-17-W | R-16-W



I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 8949-00-21-4.06 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



TIMOTHY M. HELD
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
DEBRA B. STENS AND
DATE 9-23-2020

1112814

1112814
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
RECEIVED FOR RECORD
09/28/2020 03:12 PM

PLAT FEE 25.00
VOLUME: TPP1

PAGES: 2

CONCLUSION FOR REVISION OF NEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8949-03-21 - 4.07
SHEET 1 OF 2
AMENDMENT NO: _____

07

VILLAGE OF

' AND ACQUIR

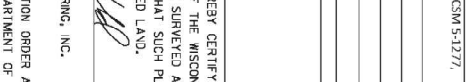
E DEPARTMENT

ECT AND SHA
UTES.

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	560
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1000



HAT SUCH PL
ED LAND.

RING, INC.

SECTION ORDER A
DEPARTMENT OF

2

TRANSPORTATION PROJECT PLAT NO: 8949-00-21 - 4.07
EXTENSION SHEET

RELOCATION ORDER USH 12, HUDSON TO BALDWIN, STH 65 NORTH - USH 63 NORTH, ST. CROIX COUNTY

NOTES:
PORTIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM
COORDINATES (NAD83), ST. CROIX COUNTY, T40S R32E11N IN U.S. SURVEY FEET. VALUES SHOWN
ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED
AS GROUND DISTANCES.
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET. RECORDED IN THE OFFICE
OF THE REGISTER OF DEEDS IN ST. CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT
NUMBER 1110221.

SHEET 2 OF 2 COURSE TABLES AND OFFSET TABLES

RW COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
700	701	S00° 09' 36"E	47.02'
701	702	S00° 09' 36"E	86.01'
702	703	S00° 09' 36"E	245.94'
703	704	S00° 14' 02"E	118.10'
704	705	S00° 14' 02"E	86.00'
705	706	S00° 14' 02"E	264.00'
706	707	S00° 14' 02"E	86.00'
707	708	S00° 14' 02"E	135.23'
708	709	SEE CURVE NOTE	
709	710	N89° 26' 47"W	118.09'
710	711	N08° 28' 23"E	94.87'
711	712	S89° 45' 58"W	9.82'
712	713	N00° 14' 02"W	150.77'
713	714	S89° 09' 32"E	12.00'
714	715	N00° 14' 02"W	174.00'
715	716	N89° 09' 32"W	10.00'
716	717	N00° 14' 02"W	55.90'
717	718	N89° 45' 58"E	10.00'
718	719	N00° 14' 02"W	283.38'
719	720	N00° 09' 36"W	235.57'
720	721	N09° 31' 28"W	67.06'
721	722	N52° 53' 57"E	13.65'
722	723	N00° 09' 36"W	49.07'
723	700	N89° 50' 24"E	86.00'

RW Station & Offset Table		
Point No.	Station	Offset
700	750+68.25	31.17'
701	751+15.27	31.02'
702	751+81.28	30.82'
703	754+27.10	30.94'
704	755+45.19	31.20'
705	756+11.19	31.34'
706	758+75.19	31.92'
707	759+41.19	32.06'
708	760+76.05	33.39'
709	761+85.60	47.35'
710	760+91.63	34.78'
711	760+91.76	44.40'
712	759+40.47	45.94'
713	757+66.67	34.32'
714	757+66.50	44.32'
715	757+10.60	44.44'
716	757+05.82	48.45'
717	757+05.60	42.45'
718	756+17.39	42.65'
719	756+12.56	105.41'
720	755+62.56	105.53'
721	751+24.92	63.33'
722	751+08.22	48.96'
723	751+08.27	34.96'

TLE Station & Offset Table		
Point No.	Station	Offset
T750	750+68.27	36.17'
T751	751+15.37	36.02'
T752	756+11.27	72.34'
T753	756+61.27	72.45'
T754	756+61.20	36.45'
T755	757+43.18	36.63'
T756	757+43.19	31.63'
T757	759+41.13	61.06'
T758	760+20.14	61.63'
T759	760+20.31	48.63'
T760	760+90.15	49.59'
T761	760+90.09	54.06'
T762	761+73.30	87.01'
T763	759+40.59	36.94'
T764	758+63.58	38.11'
T765	758+63.67	34.11'
T766	757+64.67	34.26'
T767	757+04.42	48.26'
T768	757+05.82	48.45'
T769	757+05.60	42.45'
T770	756+17.39	42.65'
T771	756+17.56	105.41'
T772	755+62.56	105.53'
T773	751+24.92	63.33'
T774	751+08.22	48.96'
T775	751+08.27	34.96'
T776		

TRANSPORTATION PROJECT PLAT NO: 8949-00-21 - 4.08

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 2 OF CERTIFIED SURVEY MAPS, PAGE 545 AS DOCUMENT NUMBER 346360; LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 3 OF CERTIFIED SURVEY MAPS, PAGE 854 AS DOCUMENT NUMBER 359281 LOCATED IN THE SW 1/4 OF THE SE 1/4 OF SECTION 24, TOWN OF HAMMOND AND ALSO PART OF LOT 1 OF CERTIFIED SURVEY MAP RECORDED IN VOLUME 15 OF CERTIFIED SURVEY MAPS, PAGE 4210 AS DOCUMENT NUMBER 663196 LOCATED IN AND INCLUDING THE NW 1/4 OF THE NE 1/4 OF SECTION 25, VILLAGE OF BALDWIN, ALL IN T29N, R17W, ST. CROIX COUNTY, WISCONSIN

RELOCATION ORDER USH 12, HUDSON TO BALDWIN, STH 65 NORTH - USH 63 NORTH, ST. CROIX COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

R/W COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
800	801	N00° 28' 36"E	8.00'
801	802	N88° 42' 22"E	129.57'
802	803	S82° 59' 55"E	35.22'
803	804	S00° 28' 36"W	15.00'
804	805	S89° 31' 24"E	97.50'
805	806	N00° 28' 36"E	7.00'
806	807	S89° 31' 24"E	200.00'
807	808	S00° 28' 36"W	7.00'
808	809	S00° 28' 36"W	66.00'
809	810	N89° 31' 24"W	250.05'
810	811	S00° 28' 36"W	6.00'
811	812	S86° 42' 17"W	91.21'
812	813	N89° 31' 24"W	109.00'
813	814	N00° 28' 36"E	5.00'
814	815	N89° 31' 24"W	11.95'
815	800	N00° 28' 36"E	80.00'

R/W Station & Offset Table		
Point No.	Station	Offset
800	897+63.00	38.83'
801	897+63.00	46.83'
802	898+92.50	50.92'
803	899+27.49	46.94'
804	899+27.50	31.94'
805	900+25.01	32.01'
806	900+25.00	39.01'
807	902+25.00	39.14'
808	902+25.00	32.14'
809	902+25.04	33.86'
810	899+75.00	34.03'
811	899+75.00	40.03'
812	898+84.00	46.09'
813	897+75.00	46.16'
814	897+75.00	41.16'
815	897+63.05	41.17'

NOTES:

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

ALL NEW RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICALLY 3/4" X 24" REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHWEST REGION EAU CLAIRE OFFICE.

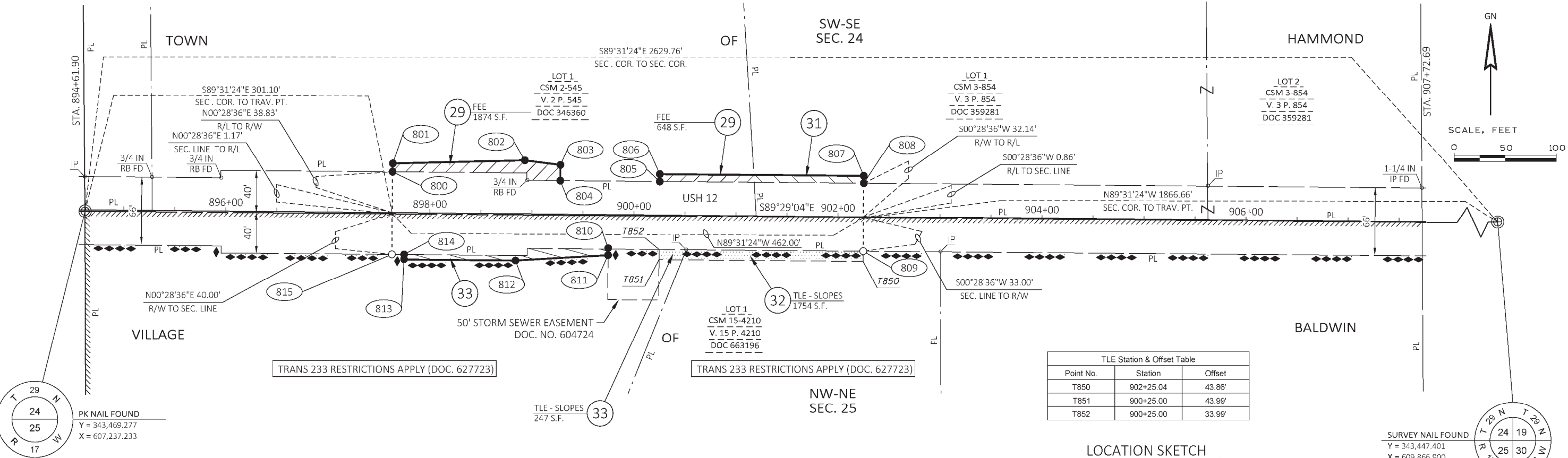
FOUND PROPERTY PIPES ARE 1" IRON PIN, UNLESS OTHERWISE NOTED.

EXISTING ACCESS CONTROL ALONG USH 12 ESTABLISHED FROM PREVIOUS PROJECT DOC. 627723.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN ST. CROIX COUNTY AS SHEET 2 OF 2 OF DOCUMENT NUMBER 1110221.

1112593
BETH PABST
REGISTER OF DEEDS
ST. CROIX CO., WI
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EXEMPT #
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VOLUME: TPP1
PAGES: 196
PAGES: 1
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& returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 8949-00-21 - 4.08
AMENDMENT NO:___



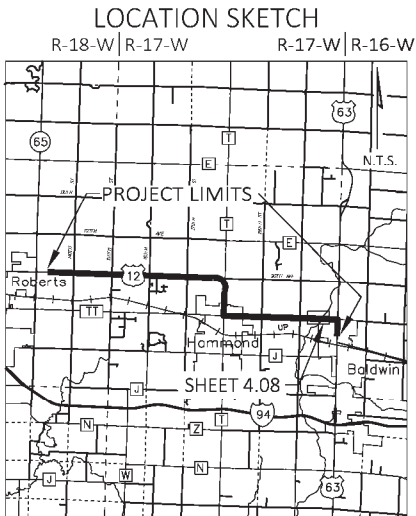
UTILITY INTERESTS REQUIRED		
UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
104	BALDWIN LIGHTSTREAM	RELEASE OF RIGHTS

EASEMENT TABLE			
OWNER		RECORDING INFORMATION	LOCATED IN R/W PARCEL NO.
104	BALDWIN LIGHTSTREAM	BLANKET EASEMENT V. 525, P. 546, DOC. NO. 328000	32, 33

SCHEDULE OF LANDS & INTERESTS REQUIRED			OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND INTEREST TO THE STATE OF WISCONSIN ALL AREAS SHOWN IN SQUARE FEET UNLESS OTHERWISE NOTED			
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED			TLE S.F.
			NEW	EXISTING	TOTAL	
29	PEDER A. PARIZEK AND TASHIA L. PARIZEK	FEE	2522	----	2522	----
31	FAITH BAPTIST CHURCH OF BALDWIN	FEE	753	3505	4258	----
32	MICHAEL W. JOHNSON AND DEBORAH J. JOHNSON	TIF	----	----	----	1754
33	JAMES EMMERT AND JERRY EMMERT	FEE/TLE	1282	----	1282	247

HIGHWAY	BASIS
USH 12	R/W PROJECT 6934, CSM 2-545, CSM 3-854, CSM 15-4210

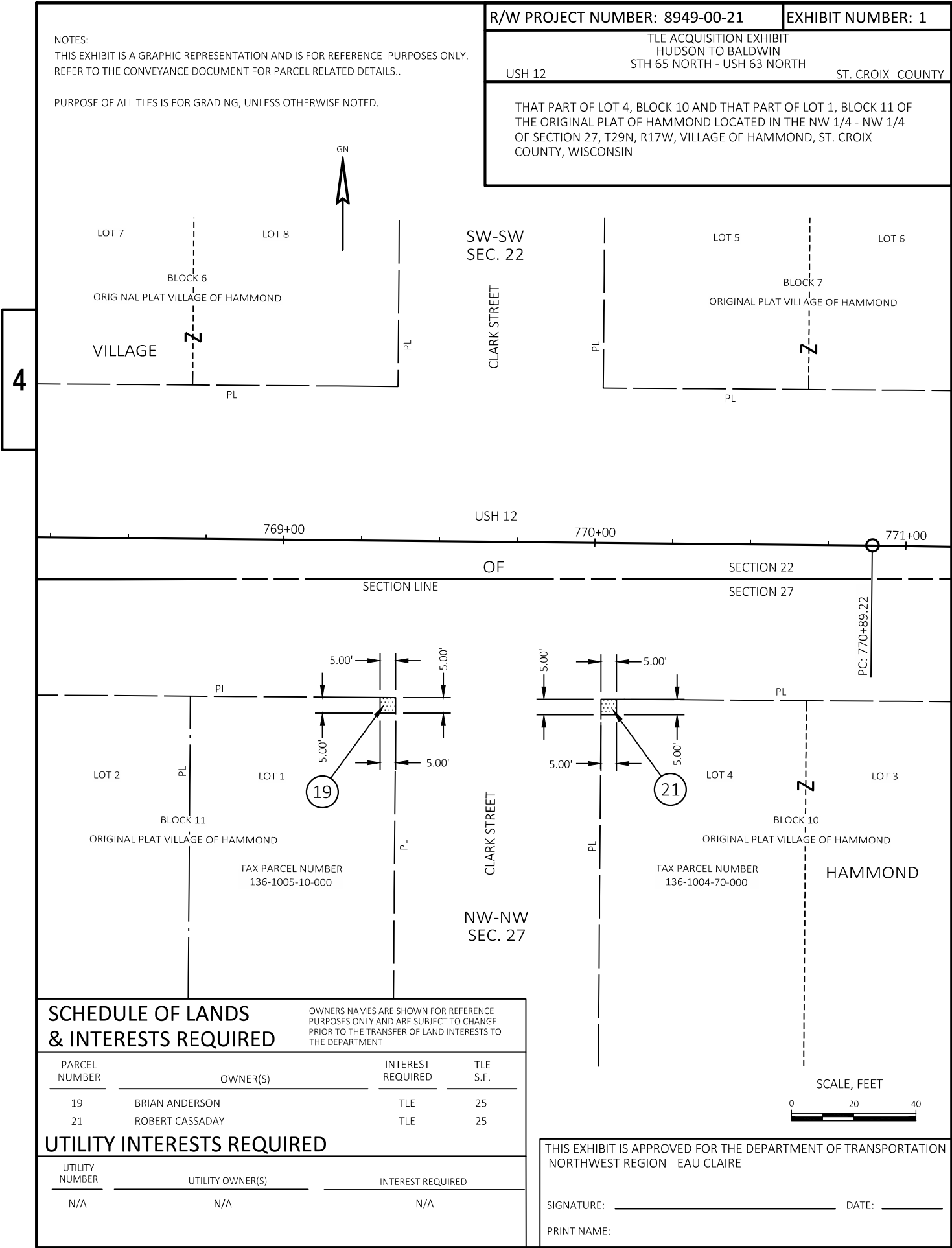
TLE Station & Offset Table		
Point No.	Station	Offset
T850	902+25.04	43.86'
T851	900+25.00	43.99'
T852	900+25.00	33.99'

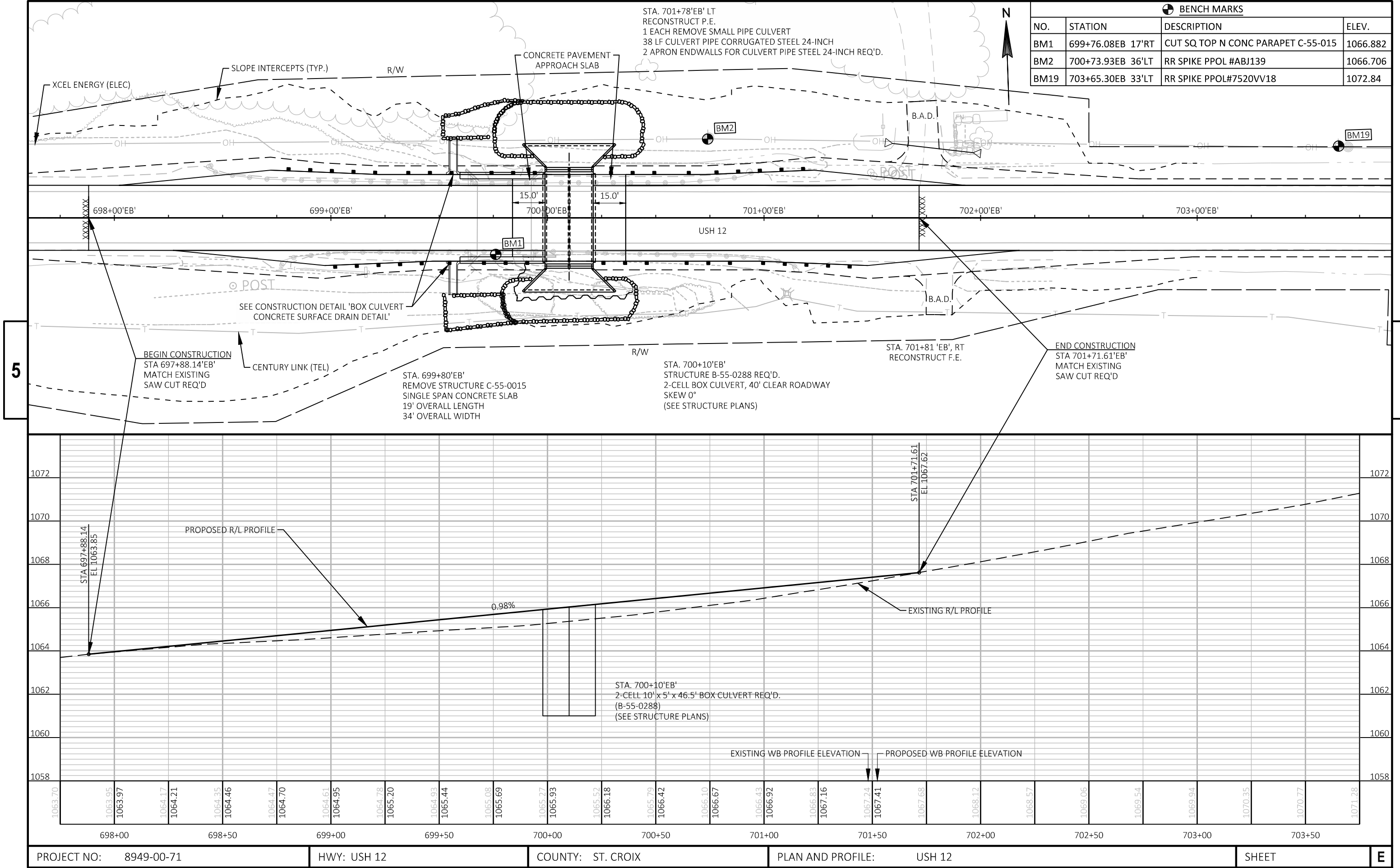


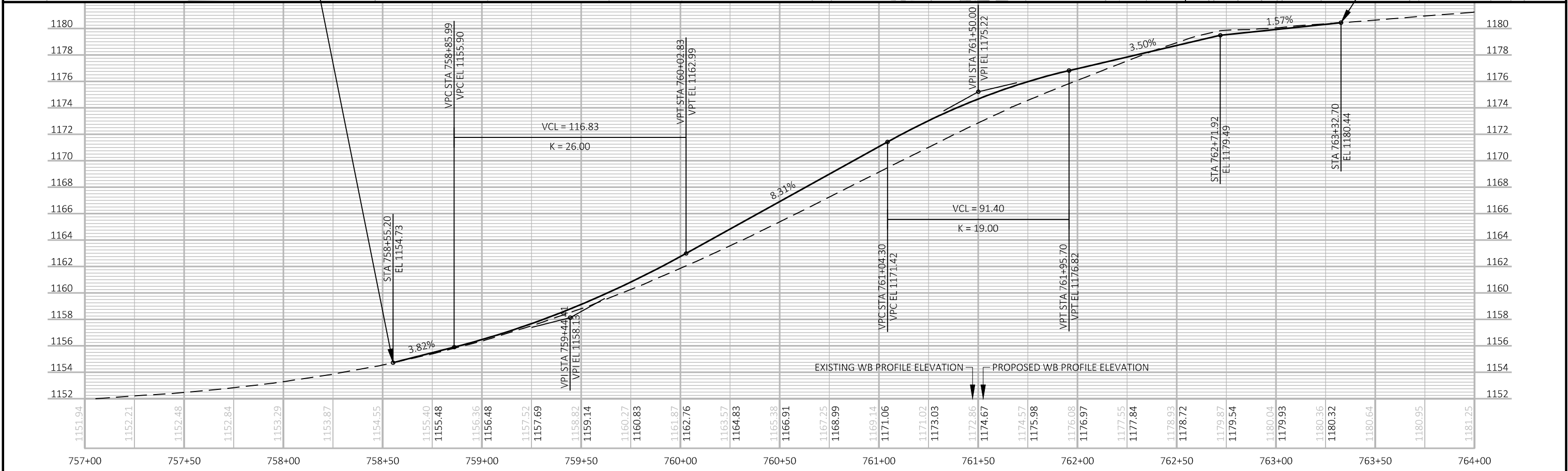
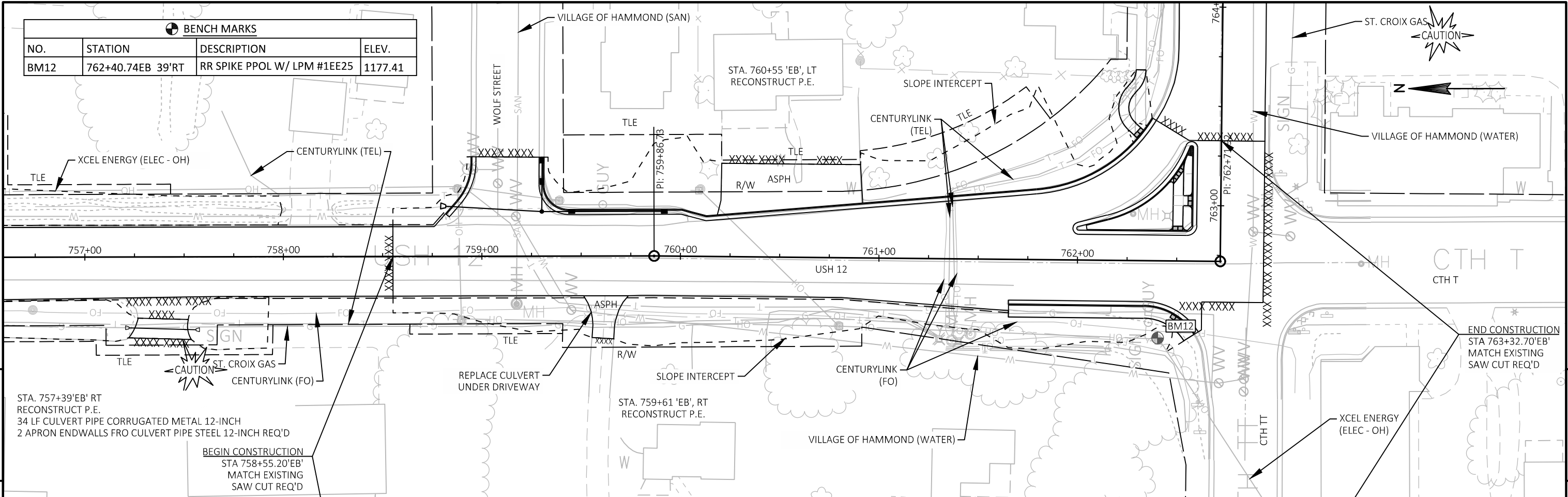
I, TIMOTHY M. HELD, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 8949-00-21-4.08 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



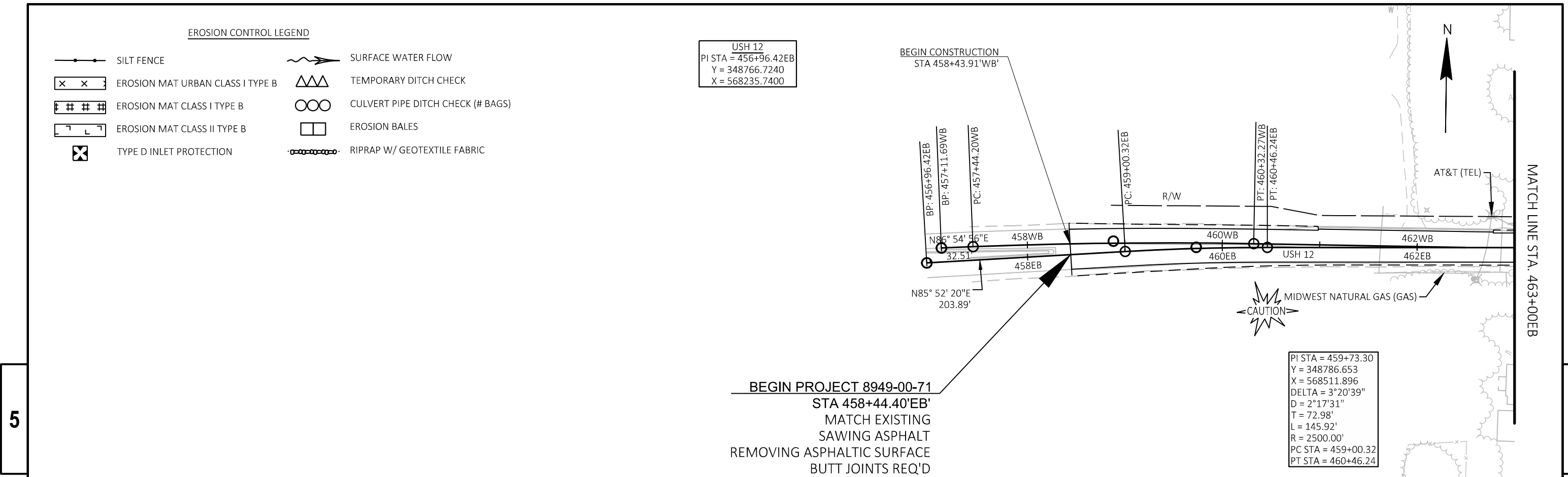
TIMOTHY M. HELD
AGENT FOR KL ENGINEERING, INC.
P.L.S. NUMBER 2591
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
DEBRA B. STENSLAND
DATE 09/23/2020
DATE 9-23-2020

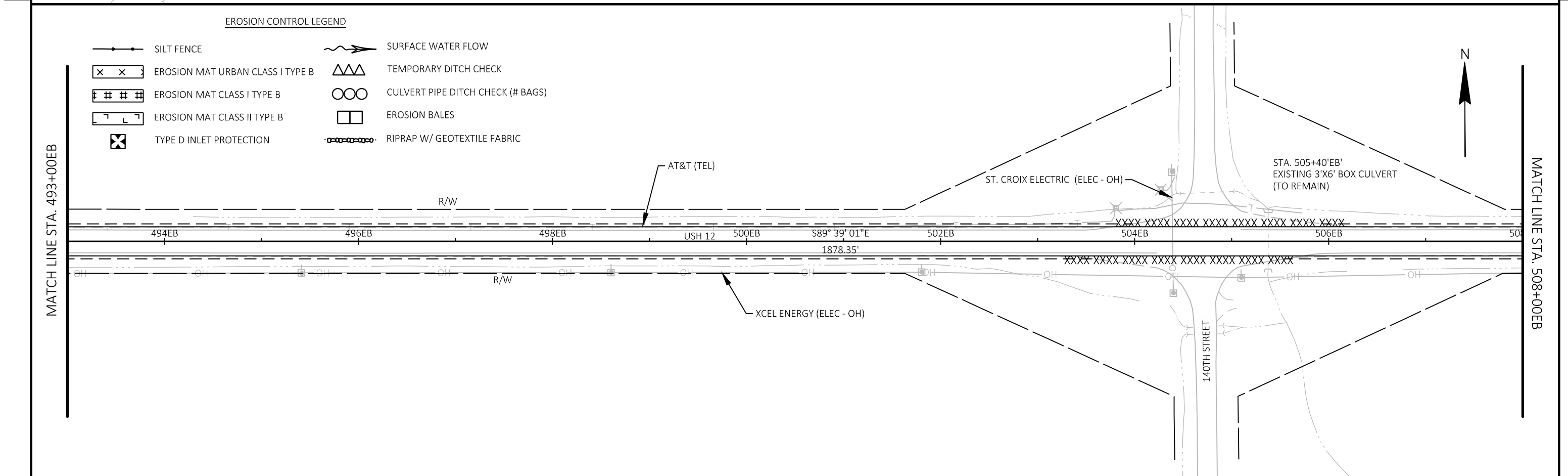
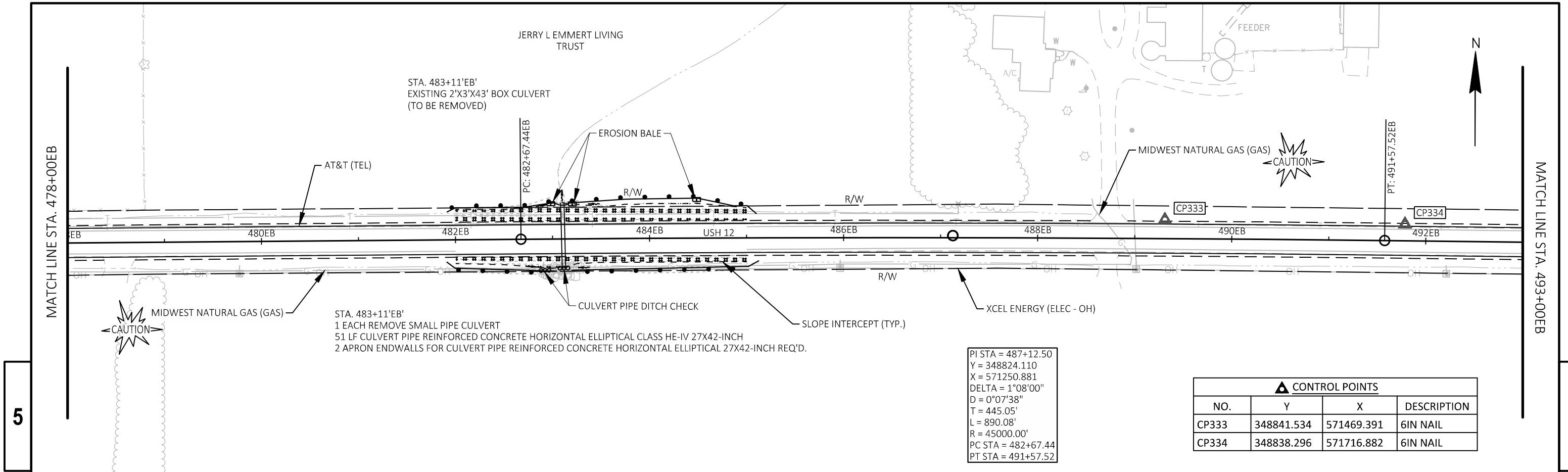


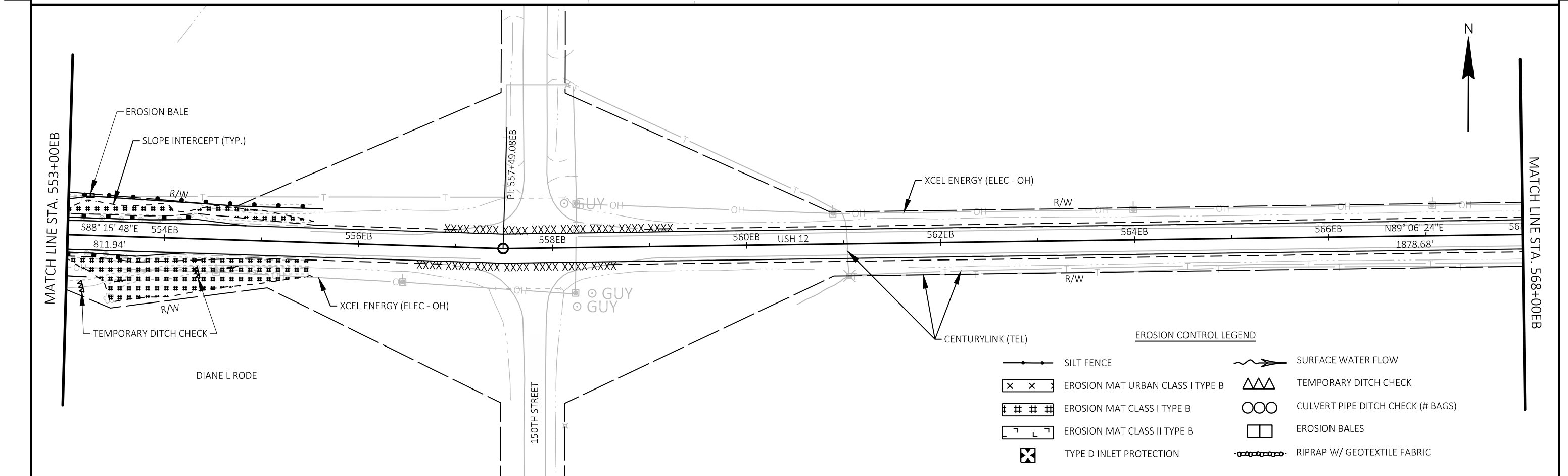
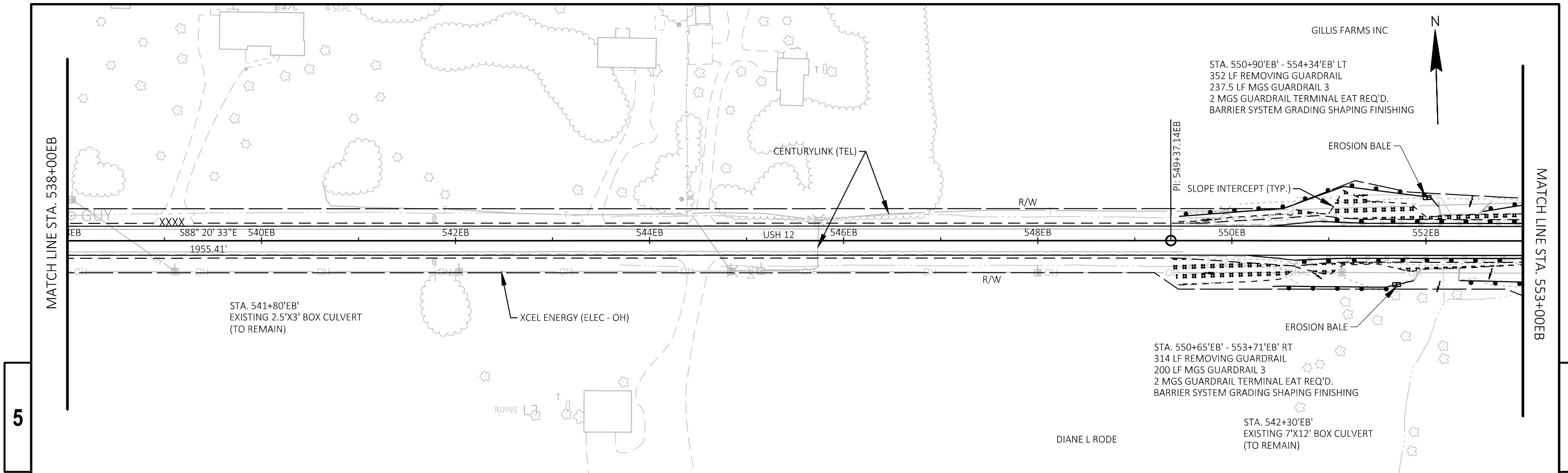




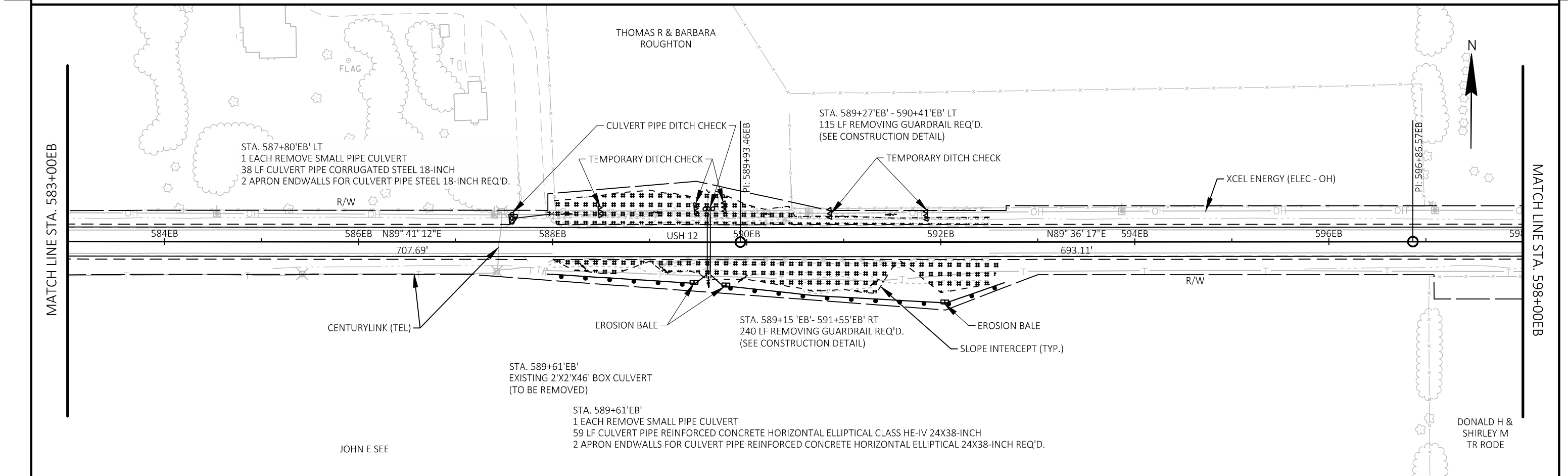
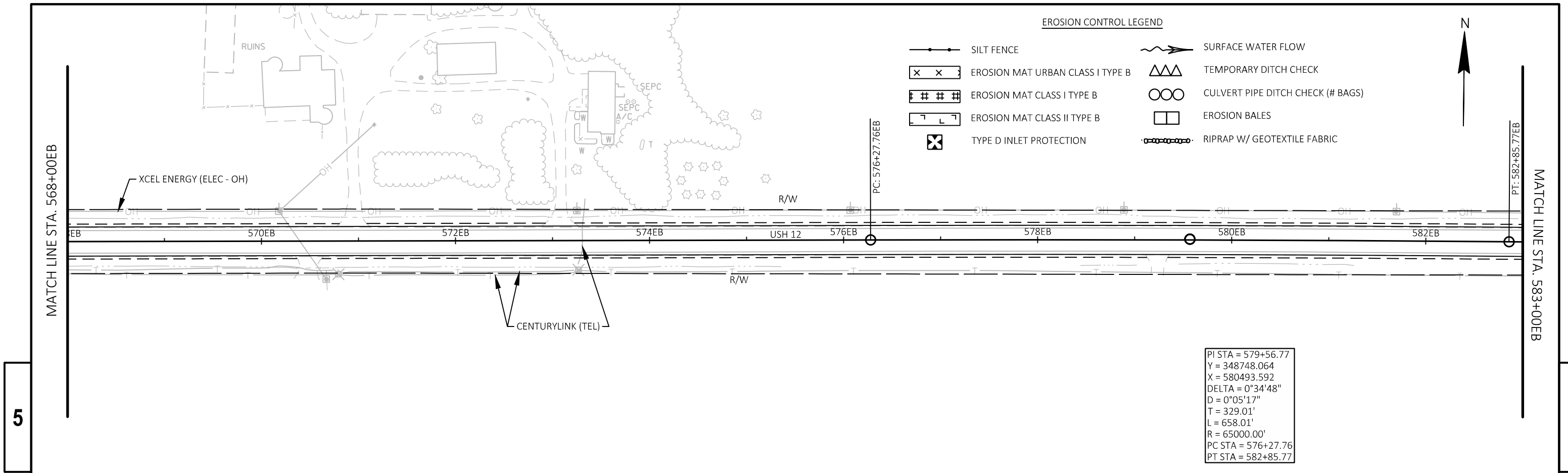
PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	PLAN AND PROFILE: USH 12	SHEET E
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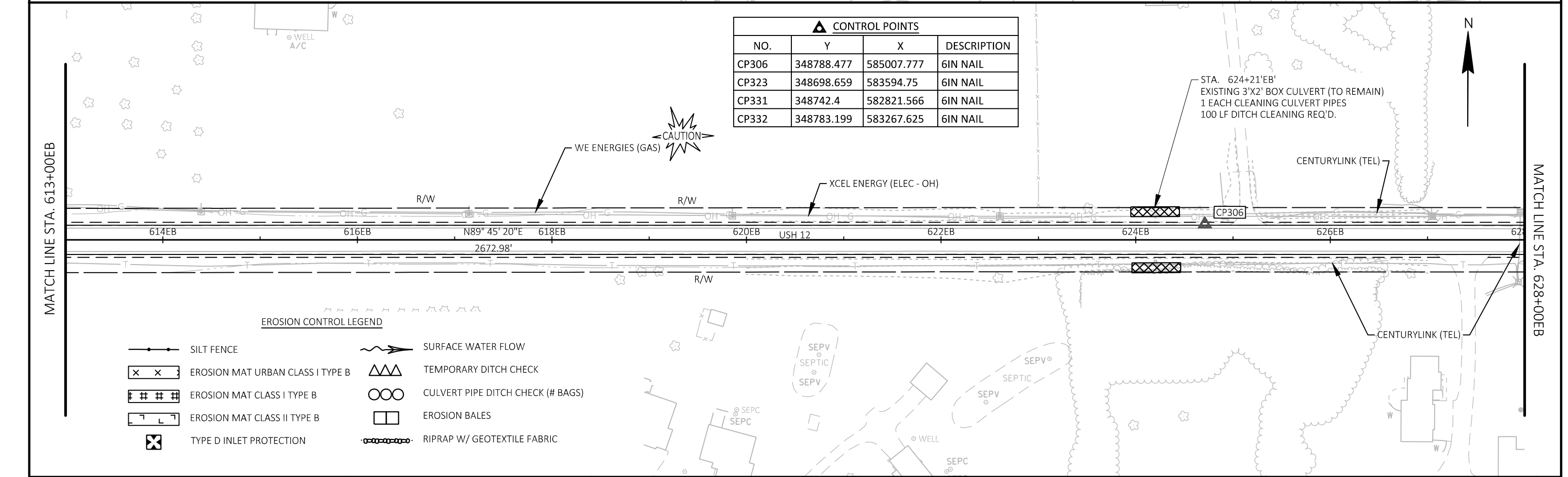
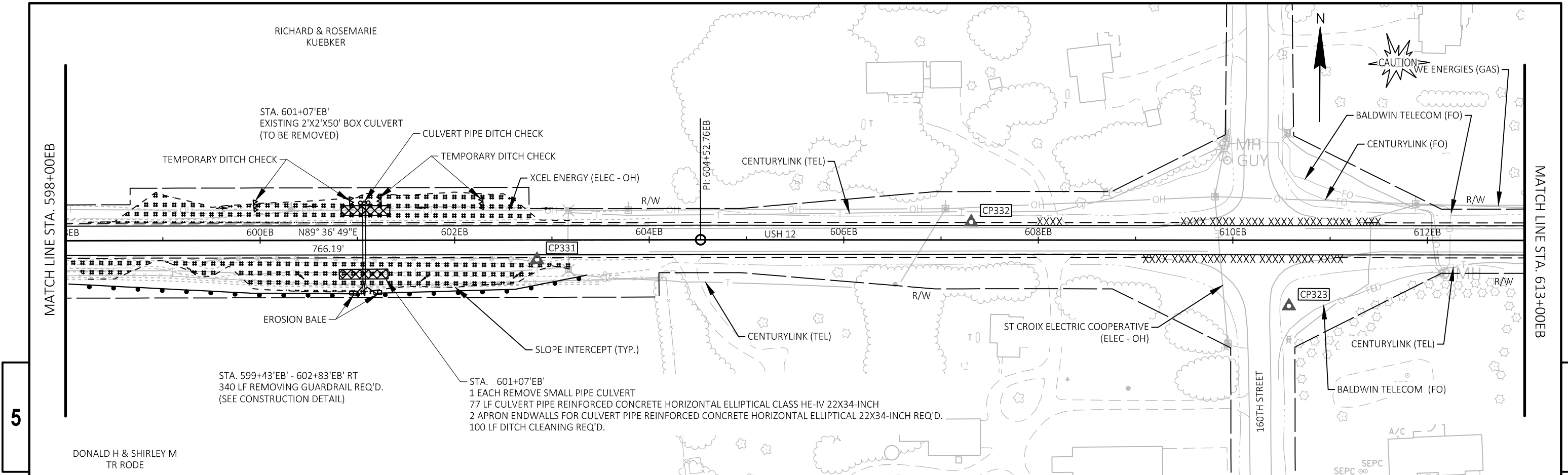


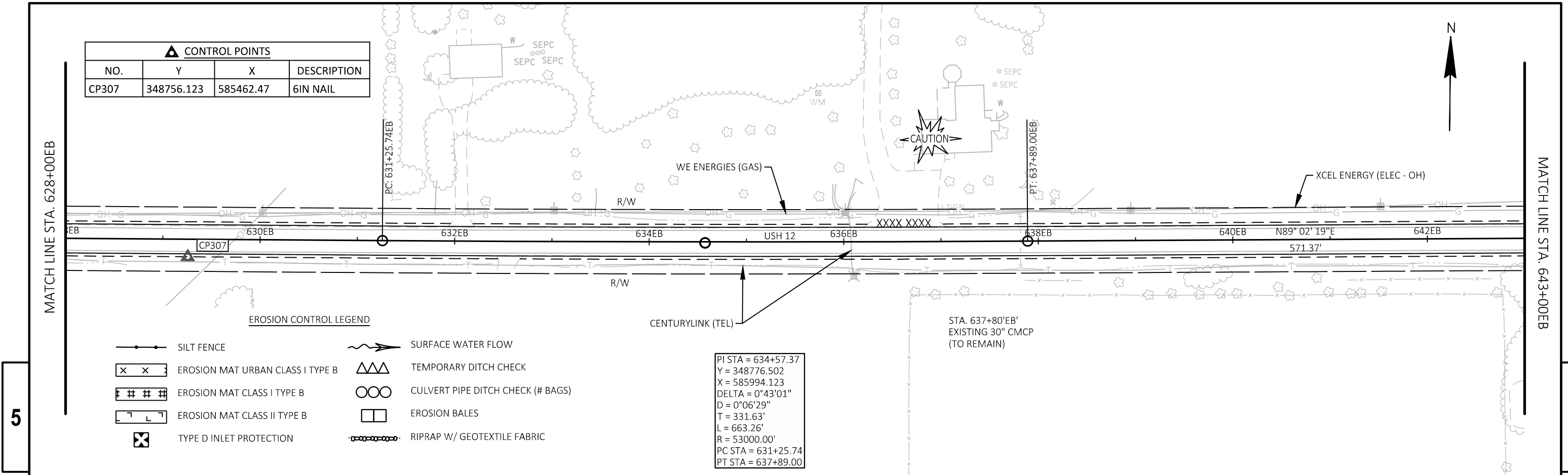


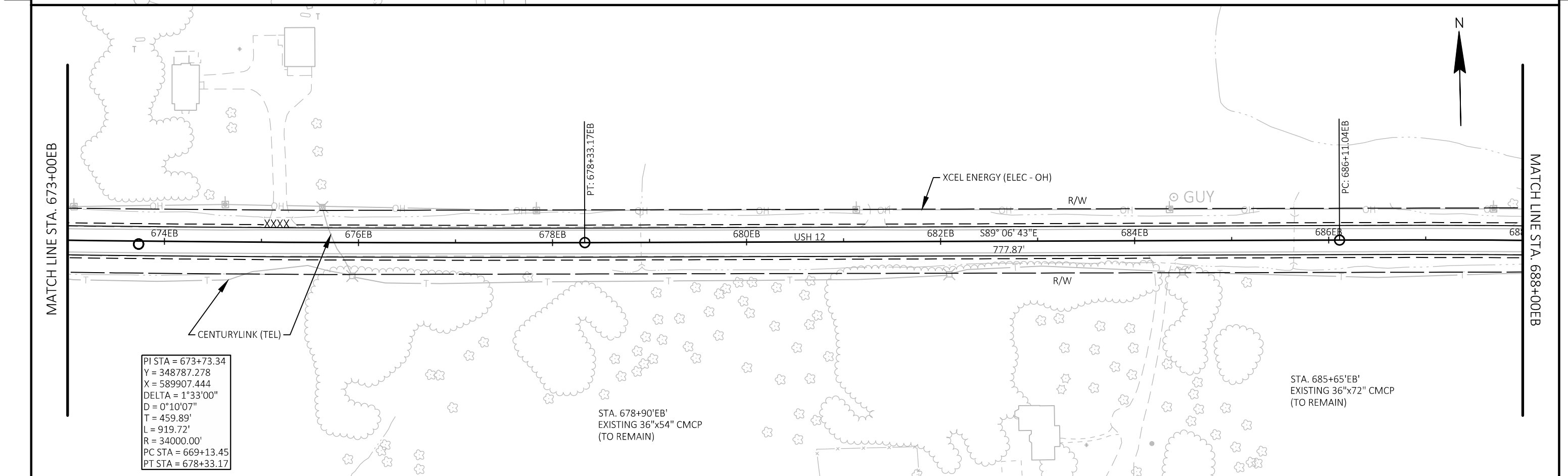
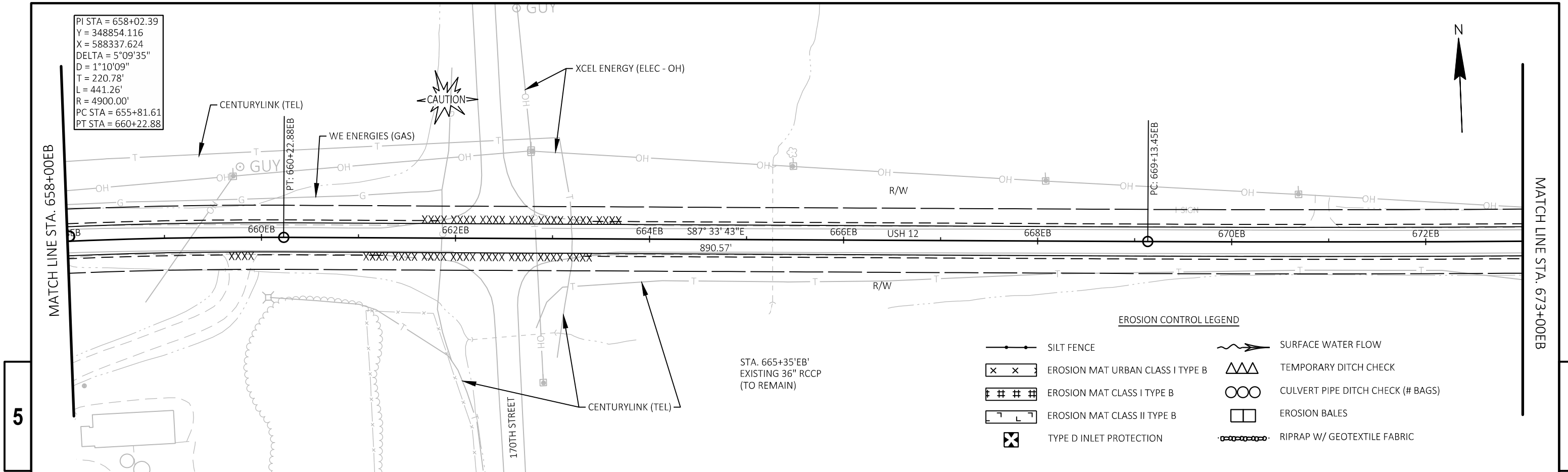
PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	PLAN SHEETS / EROSION CONTROL	SHEET	E
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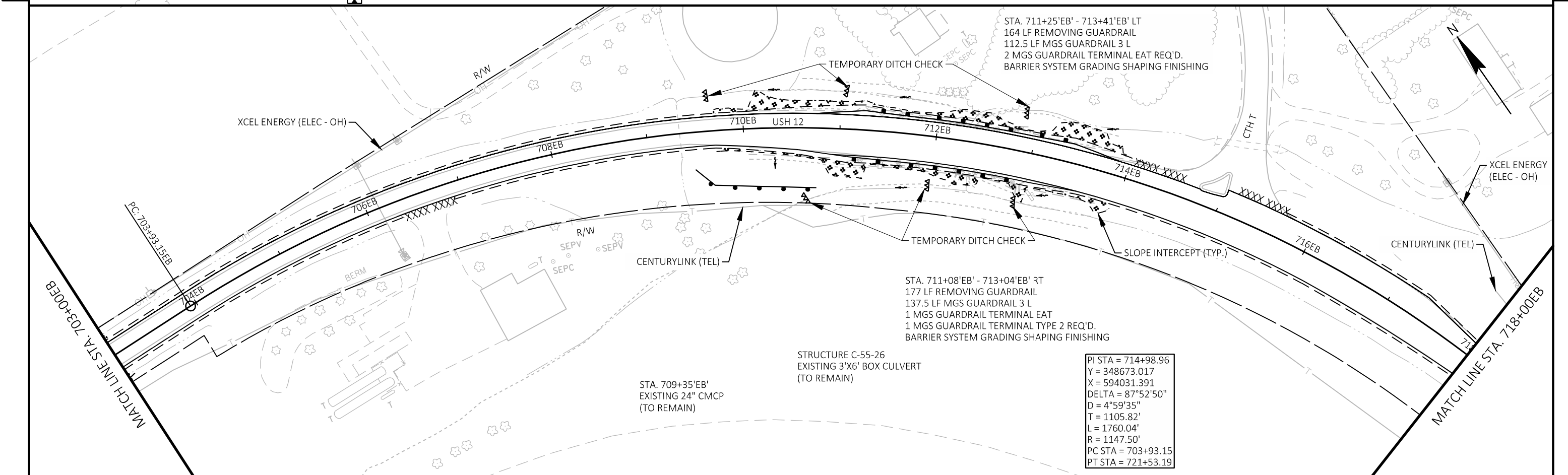
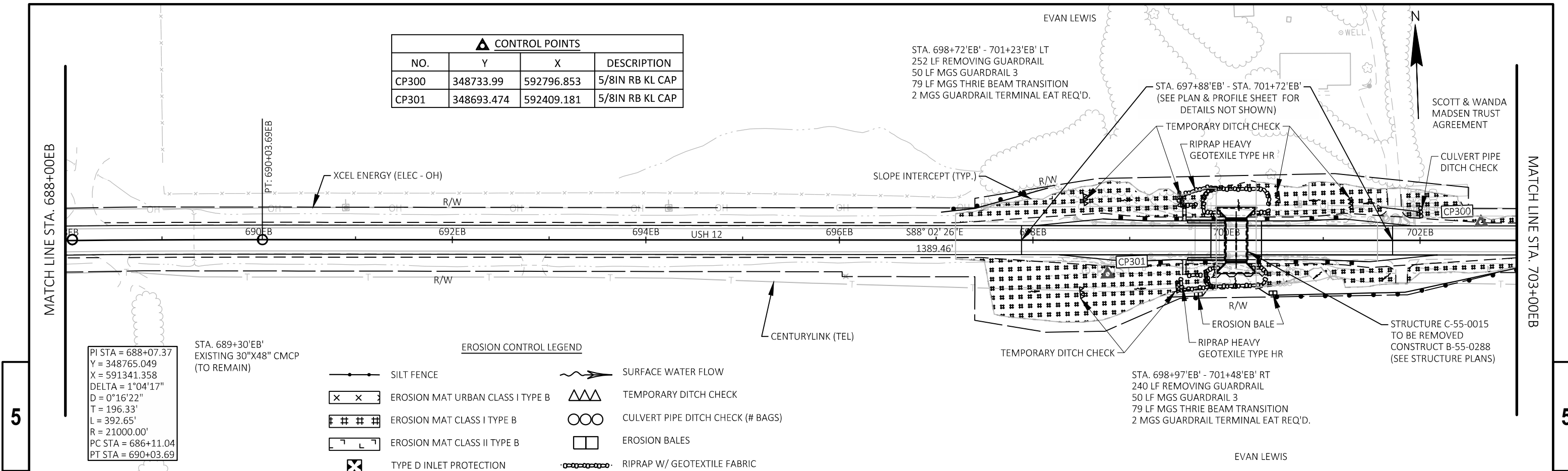
PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	PLAN SHEETS / EROSION CONTROL	SHEET	E
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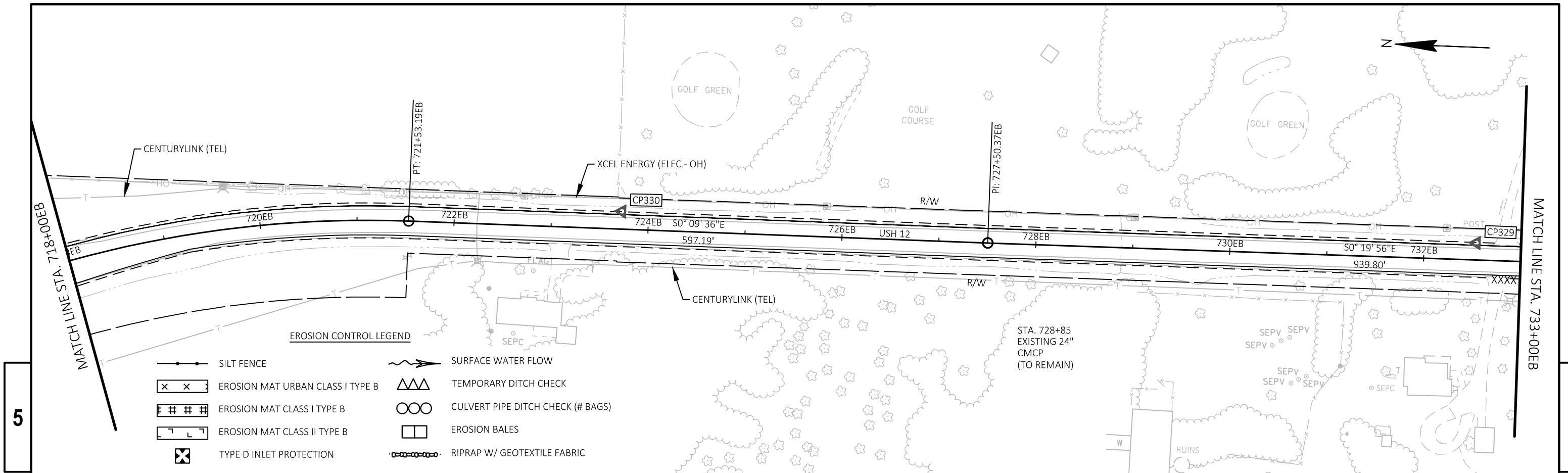




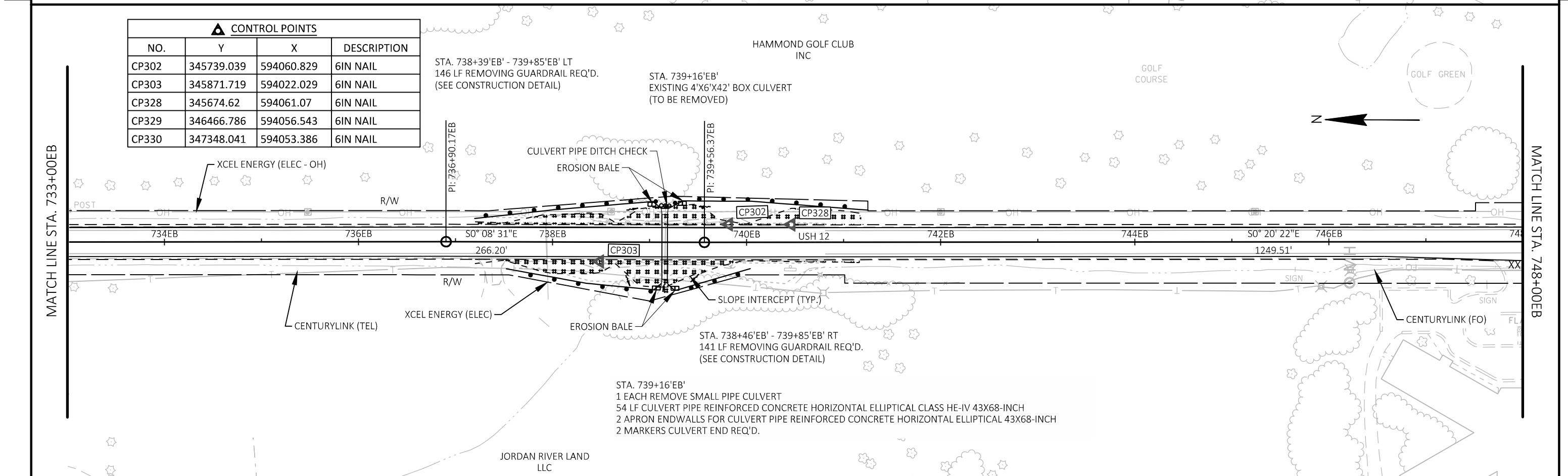


CONTROL POINTS			
NO.	Y	X	DESCRIPTION
CP300	348733.99	592796.853	5/8IN RB KL CAP
CP301	348693.474	592409.181	5/8IN RB KL CAP





- EROSION CONTROL LEGEND**
- SILT FENCE
 - EROSION MAT URBAN CLASS I TYPE B
 - EROSION MAT CLASS I TYPE B
 - EROSION MAT CLASS II TYPE B
 - TYPE D INLET PROTECTION
 - SURFACE WATER FLOW
 - TEMPORARY DITCH CHECK
 - CULVERT PIPE DITCH CHECK (# BAGS)
 - EROSION BALES
 - RIPRAP W/ GEOTEXTILE FABRIC



△ CONTROL POINTS			
NO.	Y	X	DESCRIPTION
CP302	345739.039	594060.829	6IN NAIL
CP303	345871.719	594022.029	6IN NAIL
CP328	345674.62	594061.07	6IN NAIL
CP329	346466.786	594056.543	6IN NAIL
CP330	347348.041	594053.386	6IN NAIL

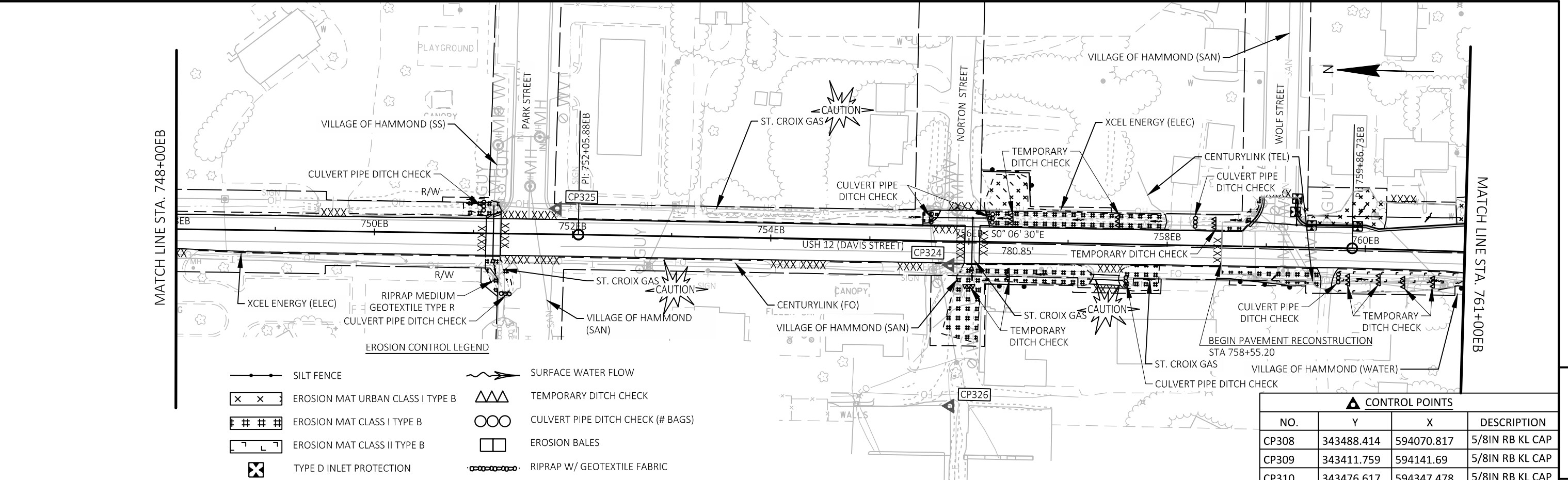
STA. 738+39'EB' - 739+85'EB' LT
146 LF REMOVING GUARDRAIL REQ'D.
(SEE CONSTRUCTION DETAIL)

STA. 739+16'EB'
EXISTING 4'X6'X42' BOX CULVERT
(TO BE REMOVED)

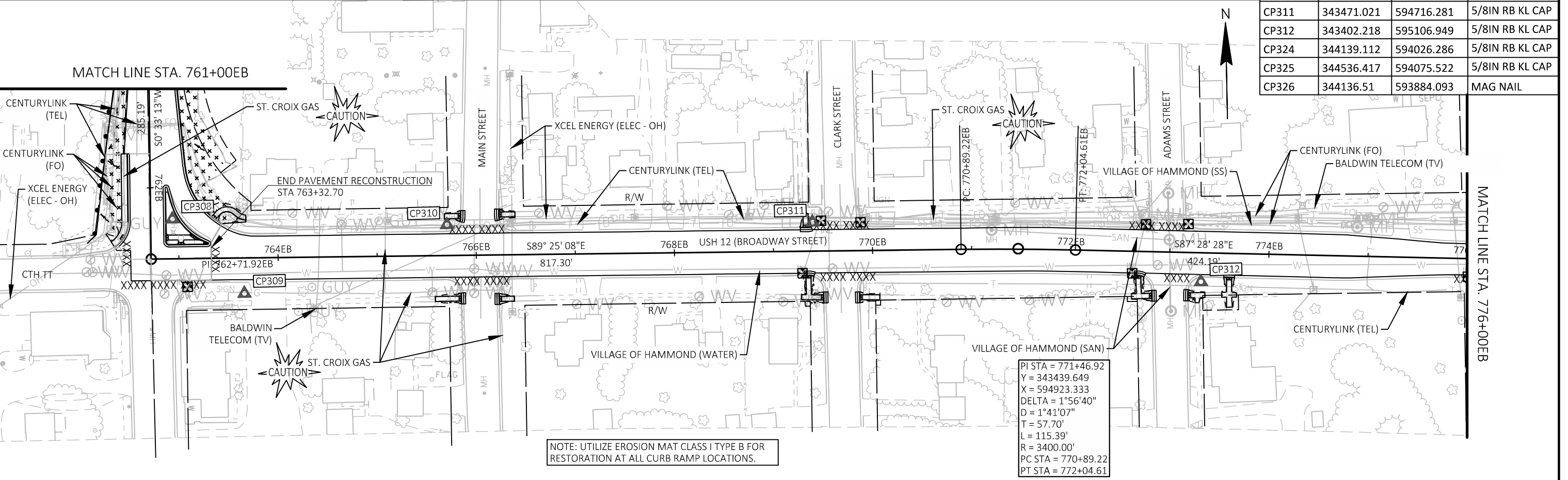
STA. 738+46'EB' - 739+85'EB' RT
141 LF REMOVING GUARDRAIL REQ'D.
(SEE CONSTRUCTION DETAIL)

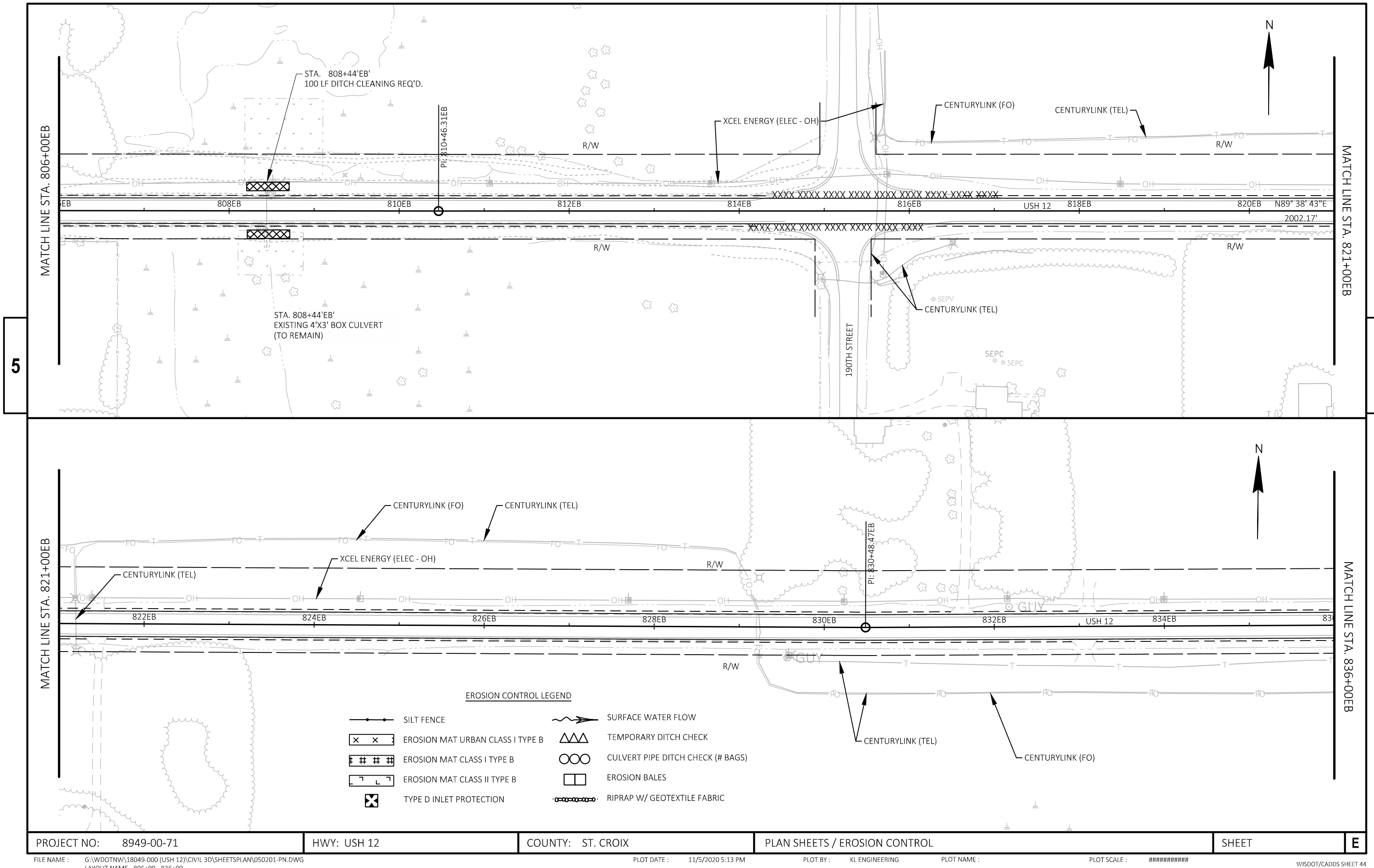
STA. 739+16'EB'
1 EACH REMOVE SMALL PIPE CULVERT
54 LF CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 43X68-INCH
2 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 43X68-INCH
2 MARKERS CULVERT END REQ'D.

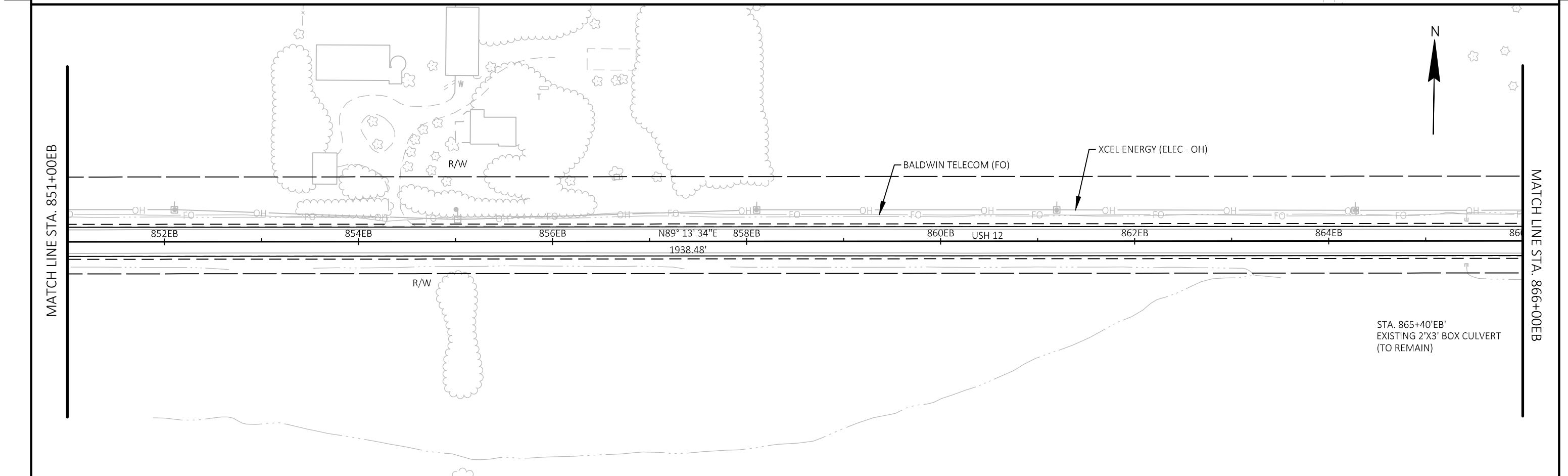
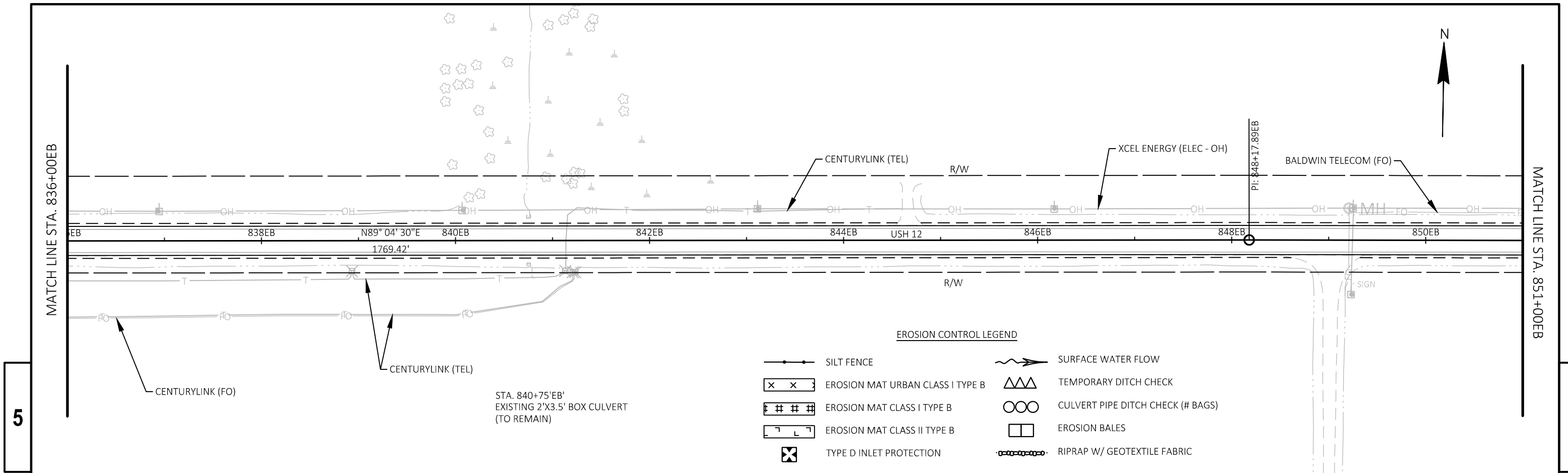
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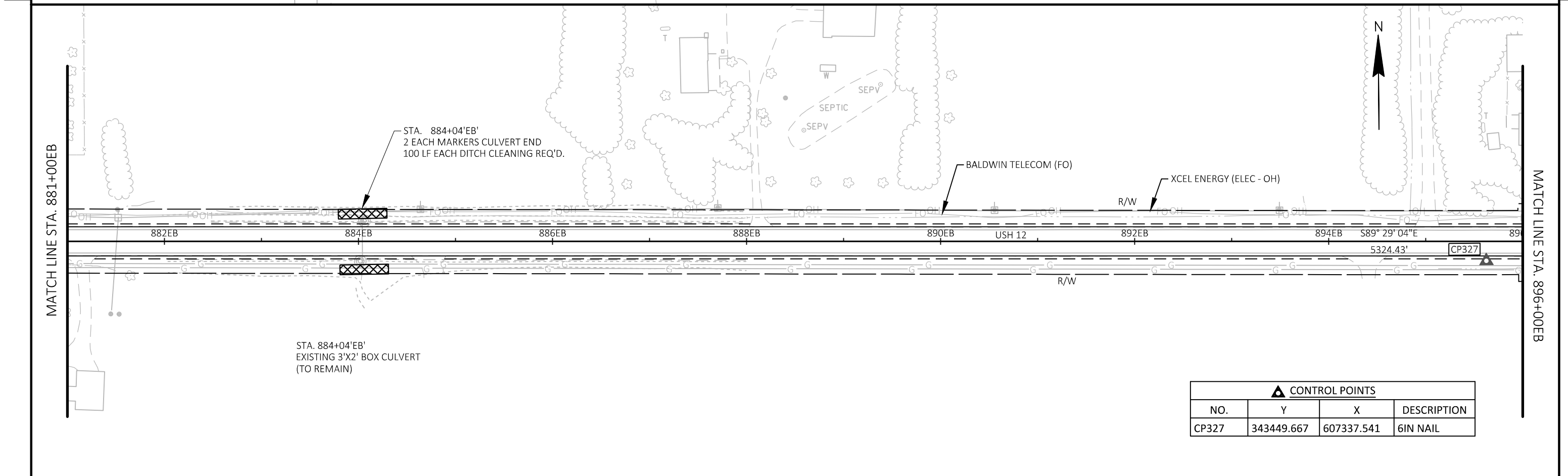
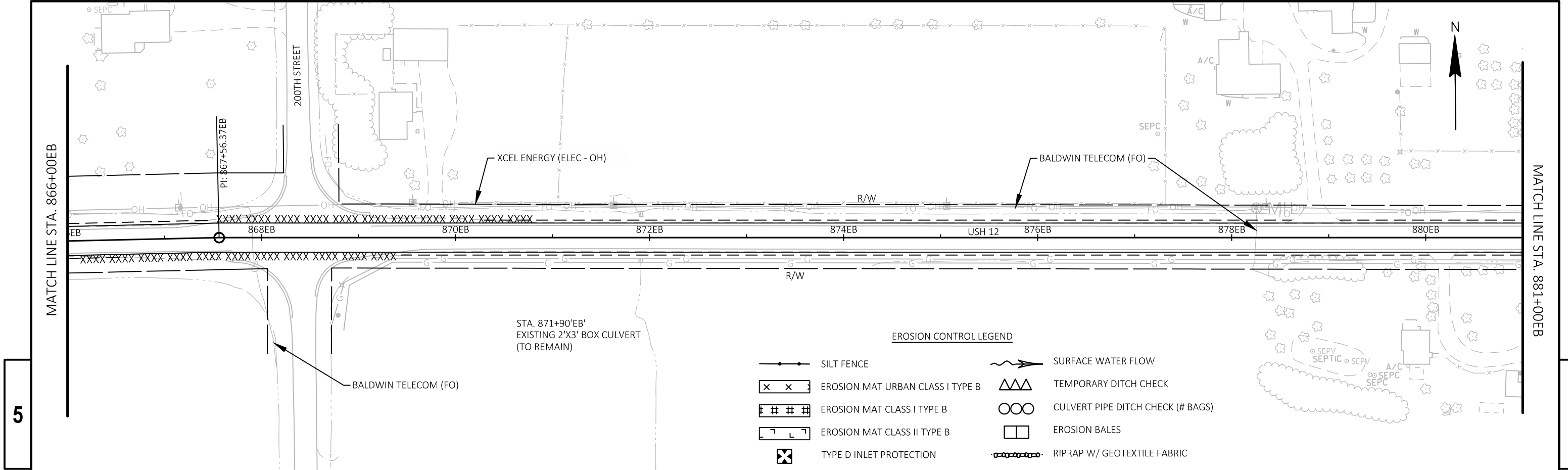


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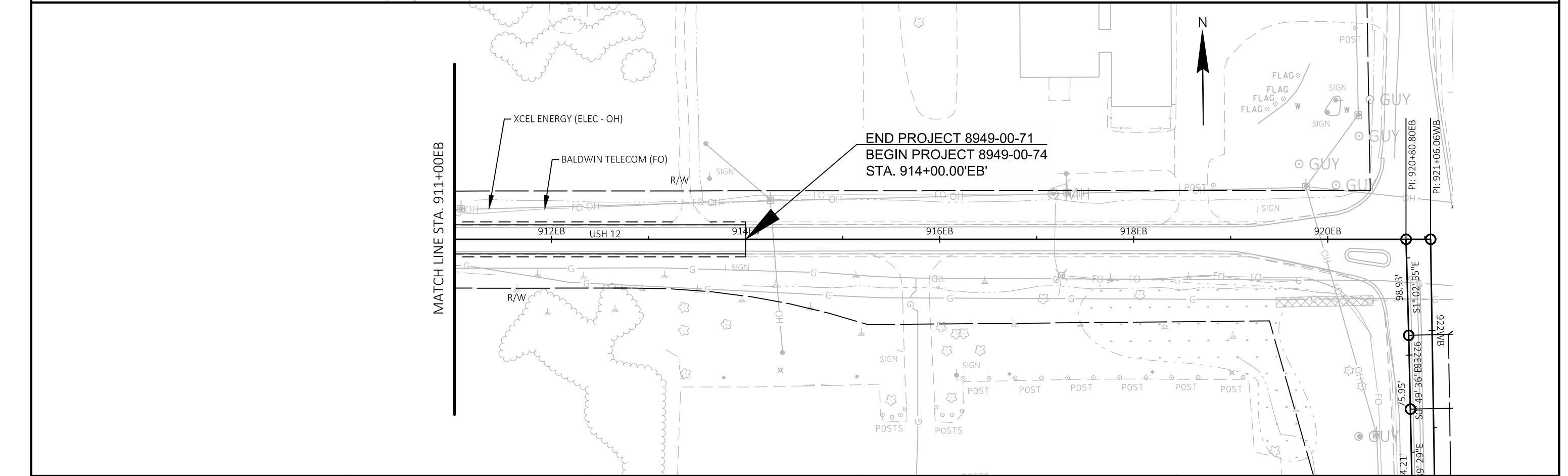
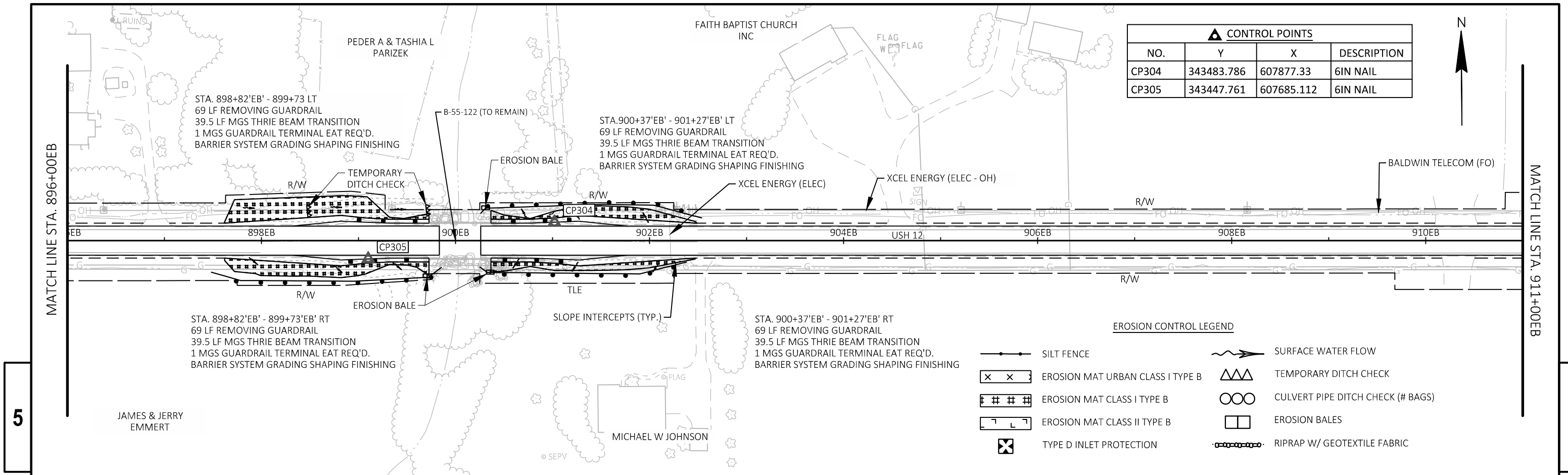








CONTROL POINTS			
NO.	Y	X	DESCRIPTION
CP327	343449.667	607337.541	6IN NAIL



Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Salvaged/Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume or Select Fill
4 - Expanded Marsh Backfill	Will be backfilled with Cut or Borrow
5 - Reduced Marsh in Fill	Reduced Marsh Excavation that can be used in Fill
6 - Reduced EBS in Fill	Reduced EBS Excavation that can be used in Fill
7 - Mass Ordinate	If Marsh and EBS to be backfilled with Cut or Borrow: [(Cut) - ((Fill - Expanded Rock) * Fill Factor)]
8 - Select Fill	Area under inside 1:1's extended down from subgrade shoulder points

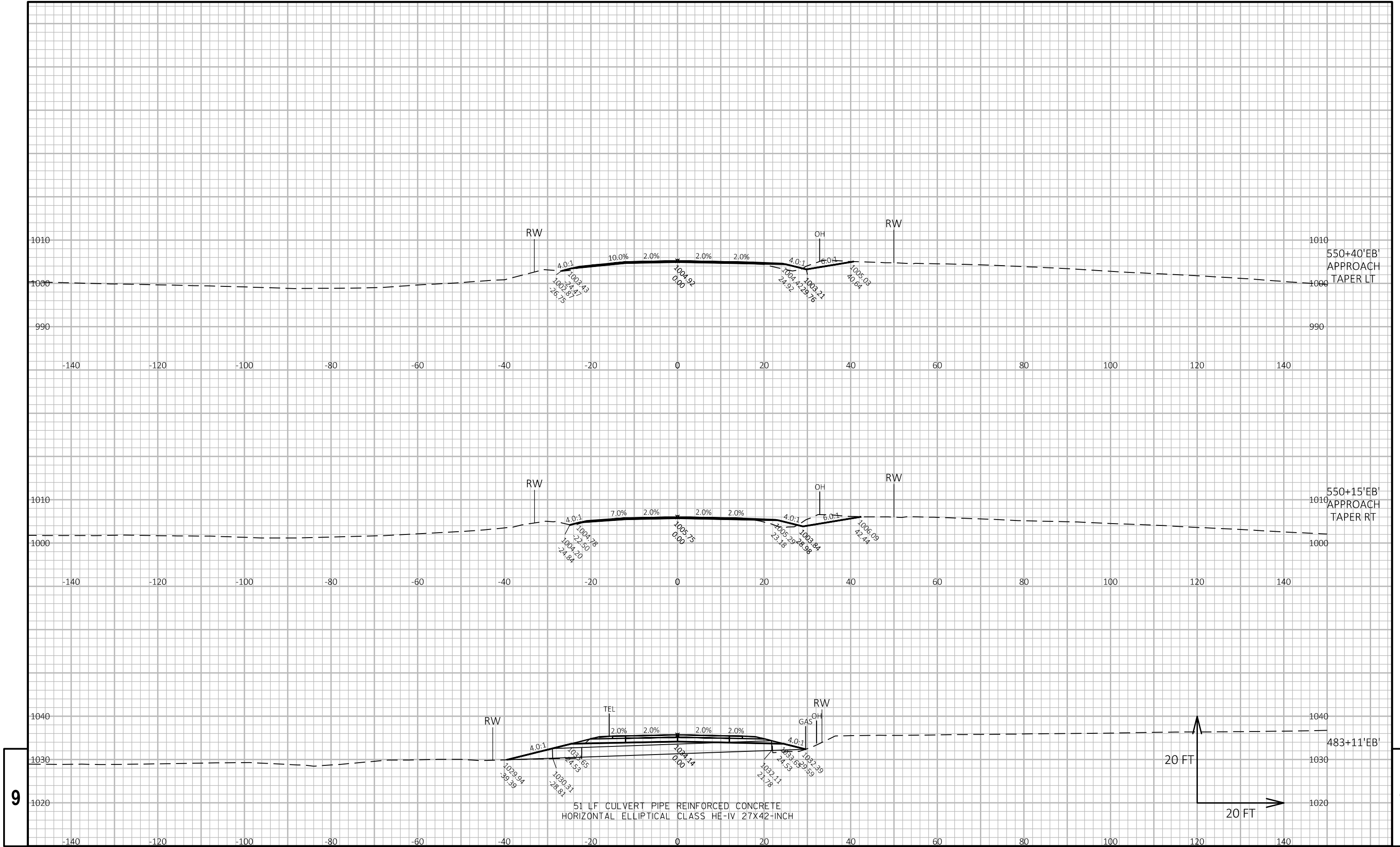
STAGE 1 (STA 588+50 - STA 592+00): USH 12																				
STATION	Distance	Area					Incremental Volume (Unadjusted)					Cumulative Vol (CY)						Mass Ordinate		
		Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	EBS	Salvaged/Unusable					Expanded		Expanded Marsh		Reduced Marsh			Reduced EBS	
							Cut Note 1 (CY)	Pavement Material Note 2 (CY)	Fill Note 3 (CY)	Marsh Exc (CY)	EBS (CY)	Cut 1.00 Note 1	Fill 1.25	Backfill 1.50 Note 4	in Fill 0.60 Note 5	In Fill 0.80 Note 6				
588+50		32.6	0.0	7.2	0.0	0.0														
589+00	50	50.1	0.0	10.1	0.0	0.0	77	0	16	0	0	77	20	0	0	0	0	57		
589+50	50	23.6	0.0	14.5	0.0	0.0	68	0	23	0	0	145	48	0	0	0	0	96		
589+61	11	55.7	0.0	41.3	0.0	0.0	16	0	11	0	0	161	63	0	0	0	0	98		
590+00	39	16.7	0.0	16.6	0.0	0.0	52	0	42	0	0	213	115	0	0	0	0	98		
590+50	50	8.3	0.0	48.4	0.0	0.0	23	0	60	0	0	236	190	0	0	0	0	46		
591+00	50	7.3	0.0	77.7	0.0	0.0	14	0	117	0	0	251	336	0	0	0	0	-85		
591+50	50	10.0	0.0	0.1	0.0	0.0	16	0	72	0	0	267	426	0	0	0	0	-159		
592+00	50	5.9	0.0	56.3	0.0	0.0	15	0	52	0	0	281	491	0	0	0	0	-210		
							281	0	393	0	0									

STAGE 1 (STA 599+00 - STA 603+00): USH 12																		
STATION	Distance	Area					Incremental Volume (Unadjusted)					Cumulative Vol (CY)						Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	EBS	Salvaged/Unusable					Expanded		Expanded Marsh	Reduced Marsh	Reduced EBS		
							Cut Note 1 (CY)	Pavement Material Note 2 (CY)	Fill Note 3 (CY)	Marsh Exc (CY)	EBS (CY)	Cut 1.00 Note 1	Fill 1.25	Backfill 1.50 Note 4	In Fill 0.60 Note 5	In Fill 0.80 Note 6		
599+00		46.4	0.0	13.3	0.0	0.0												
599+50	50	27.6	0.0	15.1	0.0	0.0	69	0	1	0	0	69	1	0	0	0	67	
600+00	50	10.1	0.0	8.3	0.0	0.0	35	0	3	0	0	103	6	0	0	0	98	
600+50	50	8.4	0.0	26.4	0.0	0.0	17	0	52	0	0	121	71	0	0	0	50	
601+00	50	11.2	0.0	28.4	0.0	0.0	18	0	71	0	0	139	159	0	0	0	-20	
601+07	7	14.7	0.0	27.0	0.0	0.0	3	0	67	0	0	142	243	0	0	0	-101	
601+50	43	7.8	0.0	21.3	0.0	0.0	18	0	90	0	0	160	355	0	0	0	-195	
602+00	50	8.9	0.0	35.1	0.0	0.0	15	0	69	0	0	175	442	0	0	0	-266	
602+50	50	8.6	0.0	188.7	0.0	0.0	16	0	65	0	0	192	523	0	0	0	-332	
603+00	50	11.2	0.0	197.9	0.0	0.0	18	0	50	0	0	210	585	0	0	0	-375	
							210	0	468	0	0							

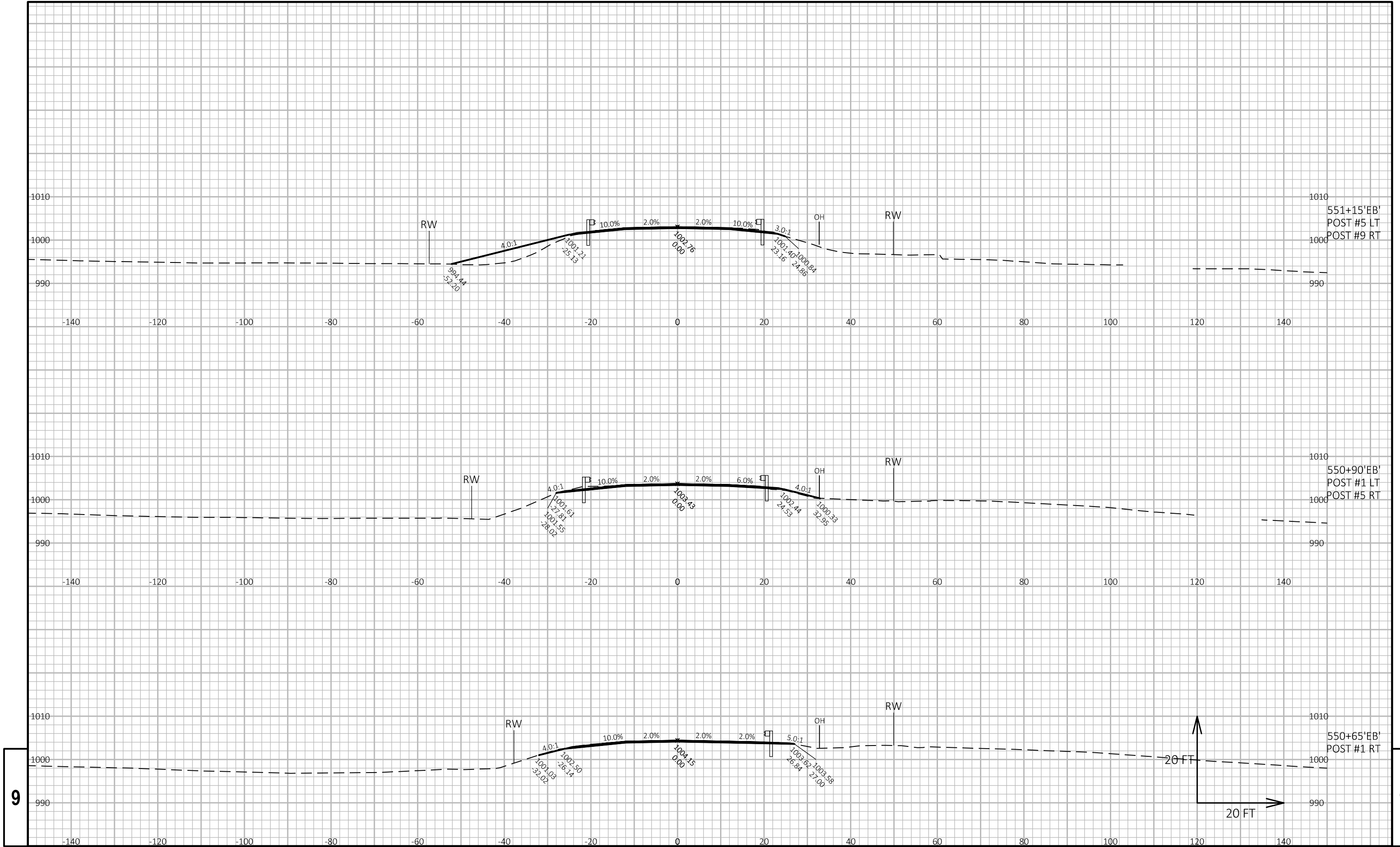
STAGE 1 (STA 697+50 - STA 701+62): USH 12																		
STATION	Distance	Area					Incremental Volume (Unadjusted)					Cumulative Vol (CY)						Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	EBS	Salvaged/Unusable					Expanded		Expanded Marsh	Reduced Marsh	Reduced EBS		
							Cut Note 1 (CY)	Pavement Material Note 2 (CY)	Fill Note 3 (CY)	Marsh Exc (CY)	EBS (CY)	Cut 1.00 Note 1	Fill 1.25	Backfill 1.50 Note 4	In Fill 0.60 Note 5	In Fill 0.80 Note 6		
697+50		5.6	0.0	8.0	0.0	0.0												
697+88	38	346.3	0.0	20.1	0.0	0.0	249	0	20	0	0	249	25	0	0	0	224	
697+88	0	404.2	0.0	13.3	0.0	0.0	0	0	0	0	0	249	25	0	0	0	224	
698+00	12	430.5	0.0	15.1	0.0	0.0	183	0	6	0	0	432	33	0	0	0	399	
698+50	50	468.5	0.0	8.3	0.0	0.0	832	0	22	0	0	1264	60	0	0	0	1205	
698+72	22	377.7	0.0	26.4	0.0	0.0	346	0	14	0	0	1611	77	0	0	0	1533	
698+97	25	240.6	0.0	28.4	0.0	0.0	286	0	25	0	0	1897	109	0	0	0	1788	
699+00	3	227.3	0.0	27.0	0.0	0.0	25	0	3	0	0	1922	113	0	0	0	1809	
699+22	22	143.1	0.0	21.3	0.0	0.0	152	0	20	0	0	2074	137	0	0	0	1936	
699+47	25	113.7	0.0	35.1	0.0	0.0	119	0	26	0	0	2193	170	0	0	0	2023	
699+50	3	103.6	0.0	188.7	0.0	0.0	12	0	12	0	0	2204	185	0	0	0	2019	
699+89	39	91.6	0.0	197.9	0.0	0.0	142	0	282	0	0	2346	537	0	0	0	1809	
700+31	41	125.3	0.0	24.6	0.0	0.0	166	0	170	0	0	2513	750	0	0	0	1763	
700+50	19	120.3	0.0	26.7	0.0	0.0	88	0	18	0	0	2600	773	0	0	0	1827	
700+73	23	95.9	0.0	16.9	0.0	0.0	92	0	18	0	0	2692	796	0	0	0	1896	
700+98	25	120.6	0.0	2.7	0.0	0.0	100	0	9	0	0	2792	807	0	0	0	1985	
701+00	2	120.1	0.0	2.7	0.0	0.0	9	0	0	0	0	2802	808	0	0	0	1994	
701+23	23	123.0	0.0	6.2	0.0	0.0	103	0	4	0	0	2905	812	0	0	0	2092	
701+48	25	149.4	0.0	2.9	0.0	0.0	126	0	4	0	0	3031	818	0	0	0	2213	
701+50	2	150.7	0.0	2.5	0.0	0.0	12	0	0	0	0	3043	818	0	0	0	2225	
701+72	22	115.2	0.0	0.0	0.0	0.0	106	0	1	0	0	3149	819	0	0	0	2330	
							3149	0	655	0	0							

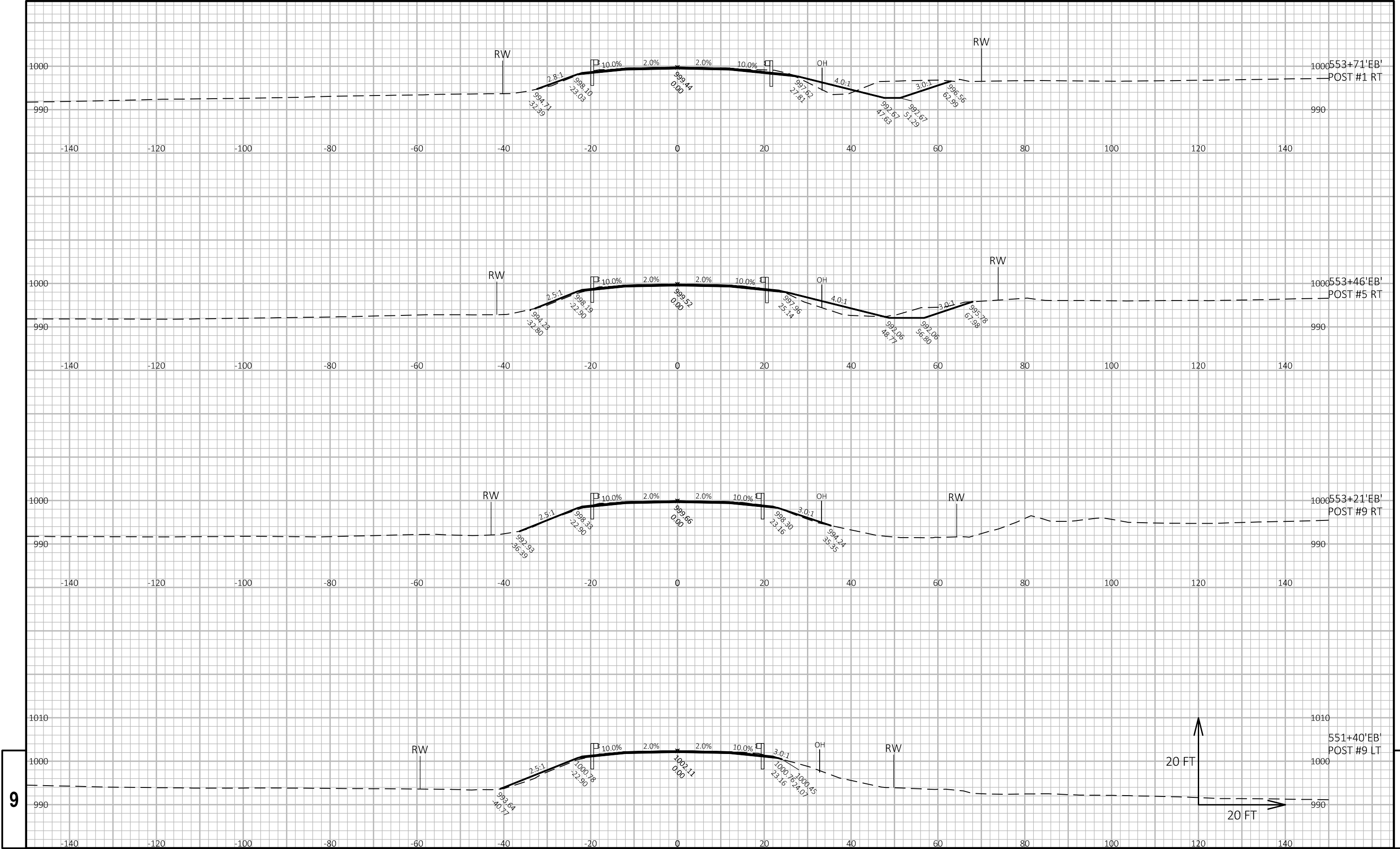
STAGE 1 (STA 738+00 - STA 740+00): USH 12																		
STATION	Distance	Area					Incremental Volume (Unadjusted)					Cumulative Vol (CY)						Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	EBS	Salvaged/Unusable					Expanded		Expanded Marsh	Reduced Marsh	Reduced EBS		
							Cut Note 1 (CY)	Pavement Material Note 2 (CY)	Fill Note 3 (CY)	Marsh Exc (CY)	EBS (CY)	Cut 1.00 Note 1	Fill 1.25	Backfill 1.50 Note 4	in Fill 0.60 Note 5	In Fill 0.80 Note 6		
738+00		7.6	0.0	10.7	0.0	0.0												
738+50	50	13.8	0.0	0.0	0.0	0.0	20	0	10	0	0	20	12	0	0	0	7	
739+00	50	5.5	0.0	50.2	0.0	0.0	18	0	47	0	0	38	70	0	0	0	-33	
739+16	16	5.0	0.0	113.6	0.0	0.0	3	0	47	0	0	41	130	0	0	0	-89	
739+50	34	6.3	0.0	28.9	0.0	0.0	7	0	91	0	0	48	243	0	0	0	-195	
740+00	50	7.7	0.0	0.0	0.0	0.0	13	0	27	0	0	61	276	0	0	0	-216	
							61	0	221	0	0							

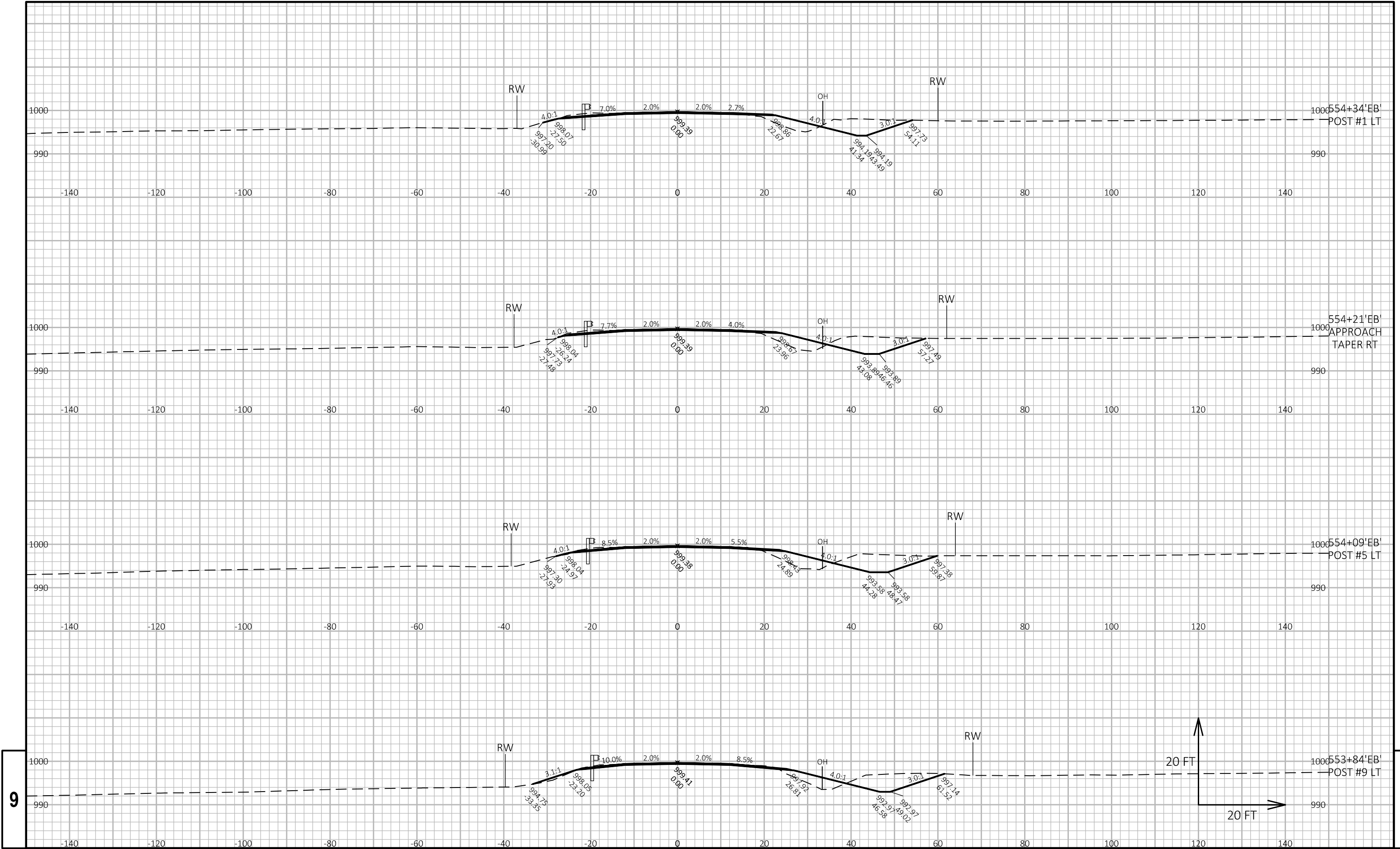
STAGE 1 (STA 758+55 - STA 763+33): USH 12																		
STATION	Distance	Area					Incremental Volume (Unadjusted)					Cumulative Vol (CY)					Mass Ordinate	
		Cut	Salvaged/Unusable Pavement Material	Fill	Marsh Exc	EBS	Salvaged/Unusable					Cut	Fill	Expanded Backfill	Expanded Marsh	Reduced Marsh in Fill		Reduced EBS In Fill
							Cut Note 1 (CY)	Pavement Material Note 2 (CY)	Fill Note 3 (CY)	Marsh Exc (CY)	EBS (CY)							
758+55		68.5	0.0	0.6	0.0	0.0	49	0	0	0	0	49	1	0		0	0	48
758+75	20	65.1	0.0	0.7	0.0	0.0	80	0	0	0	0	129	1	0	0	0	0	128
759+00	25	107.9	0.0	0.0	0.0	0.0	158	3	8	0	0	287	12	0	0	0	0	273
759+50	50	62.4	2.7	9.1	0.0	0.0	27	1	3	0	0	314	15	0	0	0	0	295
759+61	11	68.7	2.6	6.0	0.0	0.0	91	3	21	0	0	405	42	0	0	0	0	356
760+00	39	57.8	1.5	23.6	0.0	0.0	85	3	22	0	0	490	69	0	0	0	0	411
760+50	50	33.7	1.5	0.0	0.0	0.0	32	3	25	0	0	522	100	0	0	0	0	409
761+00	50	0.9	1.5	26.7	0.0	0.0	4	3	57	0	0	525	172	0	0	0	0	339
761+50	50	3.2	1.5	35.0	0.0	0.0	65	7	46	0	0	590	229	0	0	0	0	340
762+00	50	67.0	6.0	14.7	0.0	0.0	90	6	11	0	0	680	242	0	0	0	0	411
762+25	25	127.1	6.0	8.2	0.0	0.0	329	13	11	0	0	1009	256	0	0	0	0	713
763+00	75	110.0	3.0	0.0	0.0	0.0	136	5	0	0	0	1145	256	0	0	0	0	845
763+33	33	114.8	4.5	0.0	0.0	0.0												
							1145	44	205	0	0							

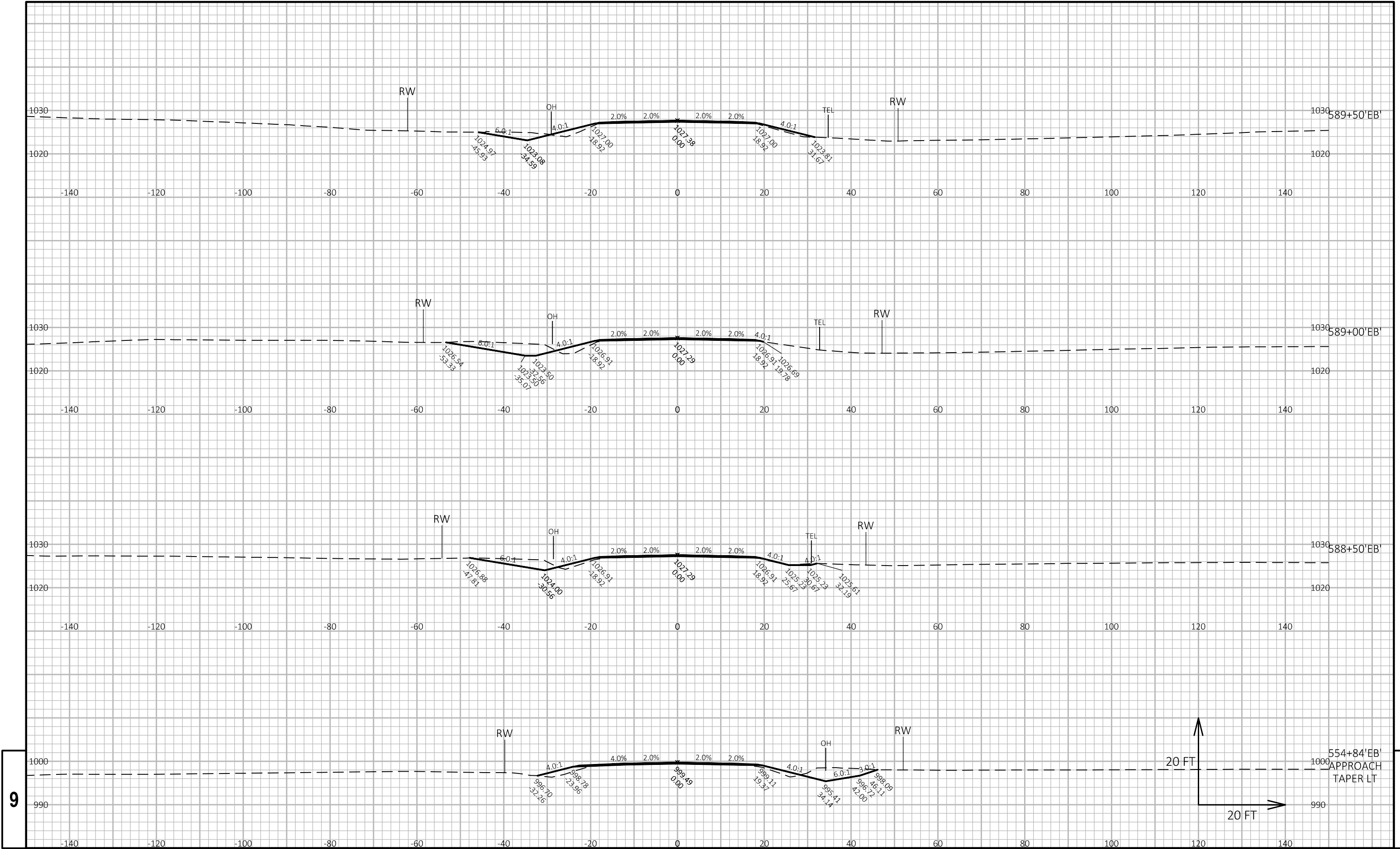


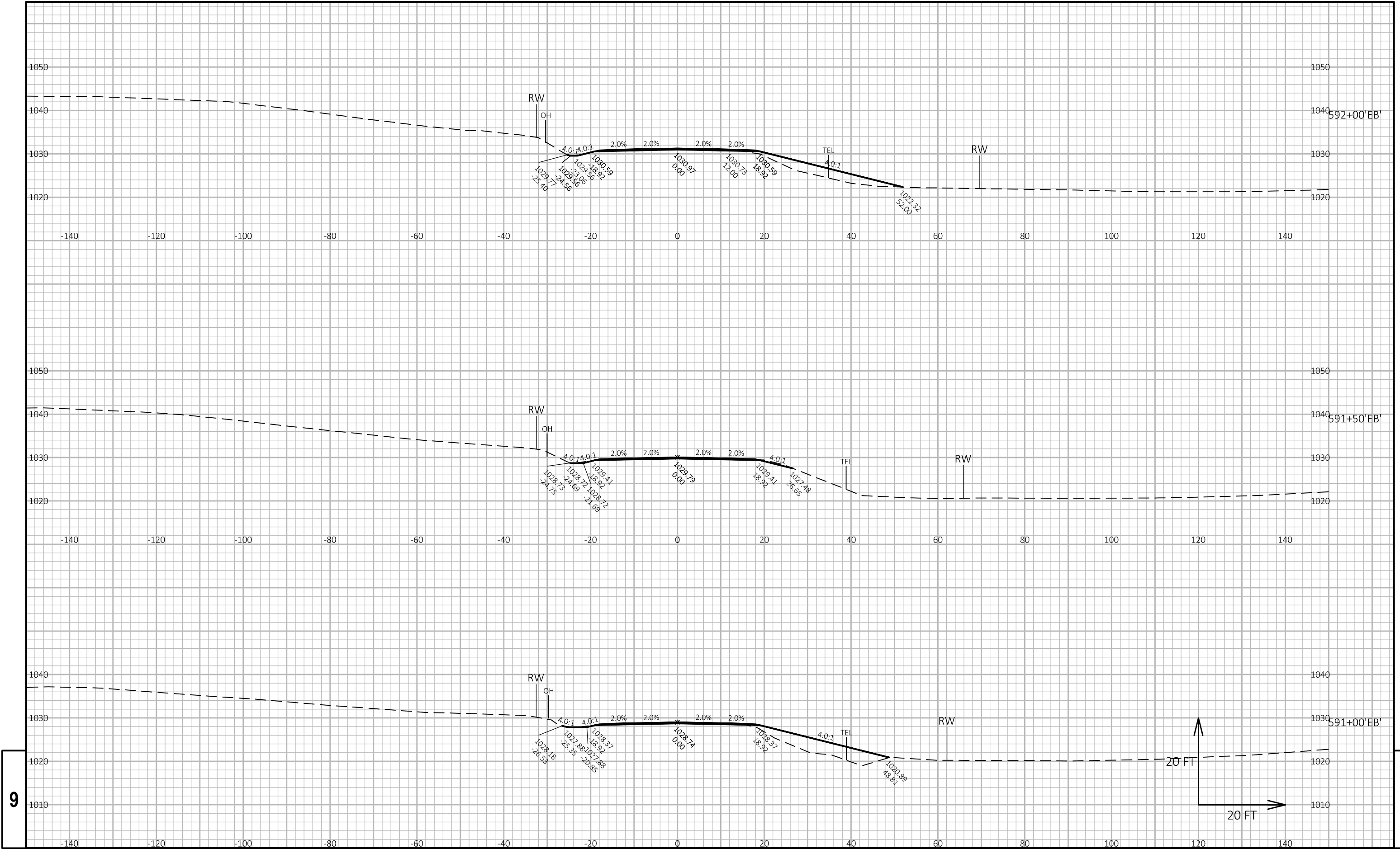
PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	CROSS SECTIONS: USH 12	SHEET	E
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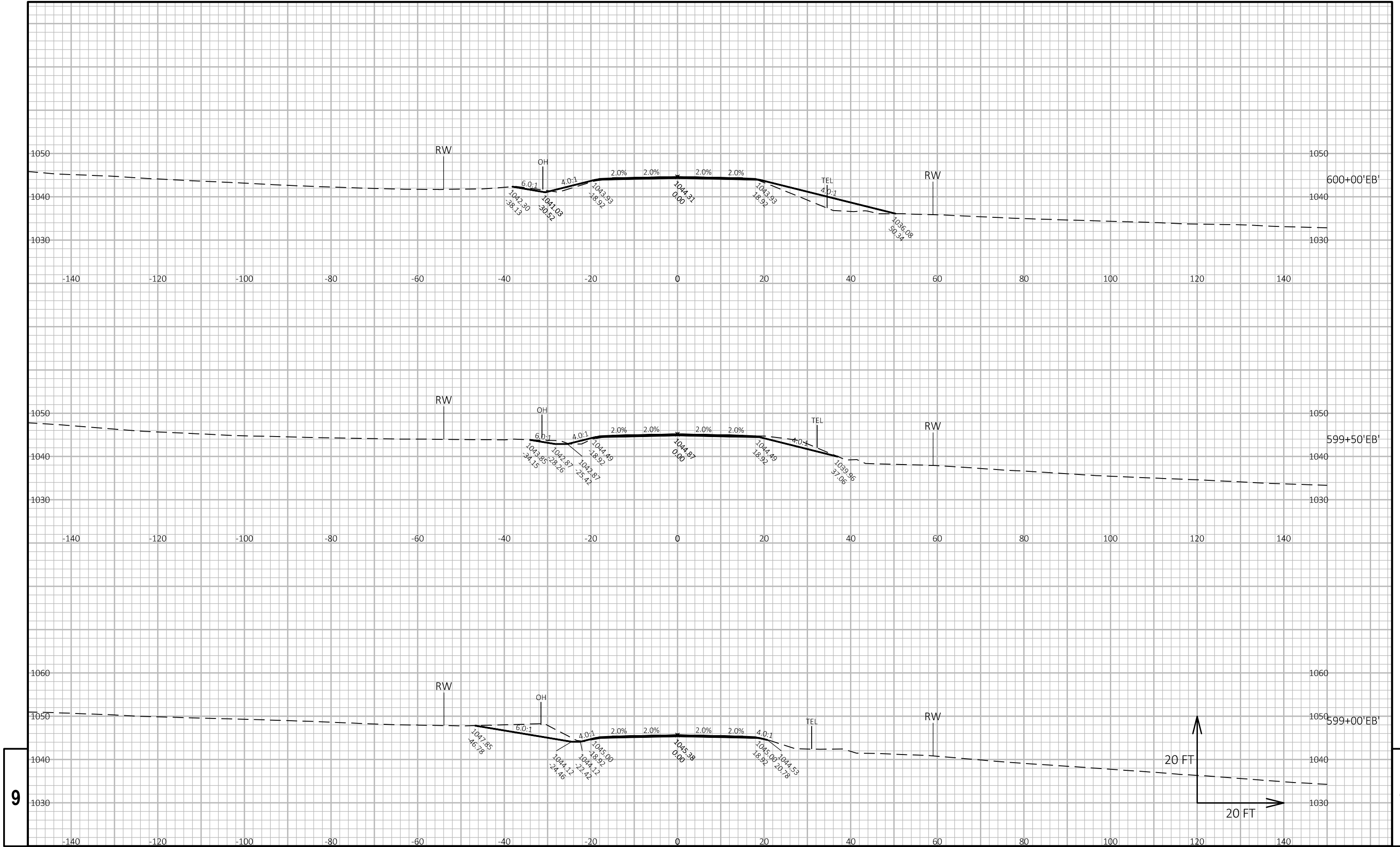


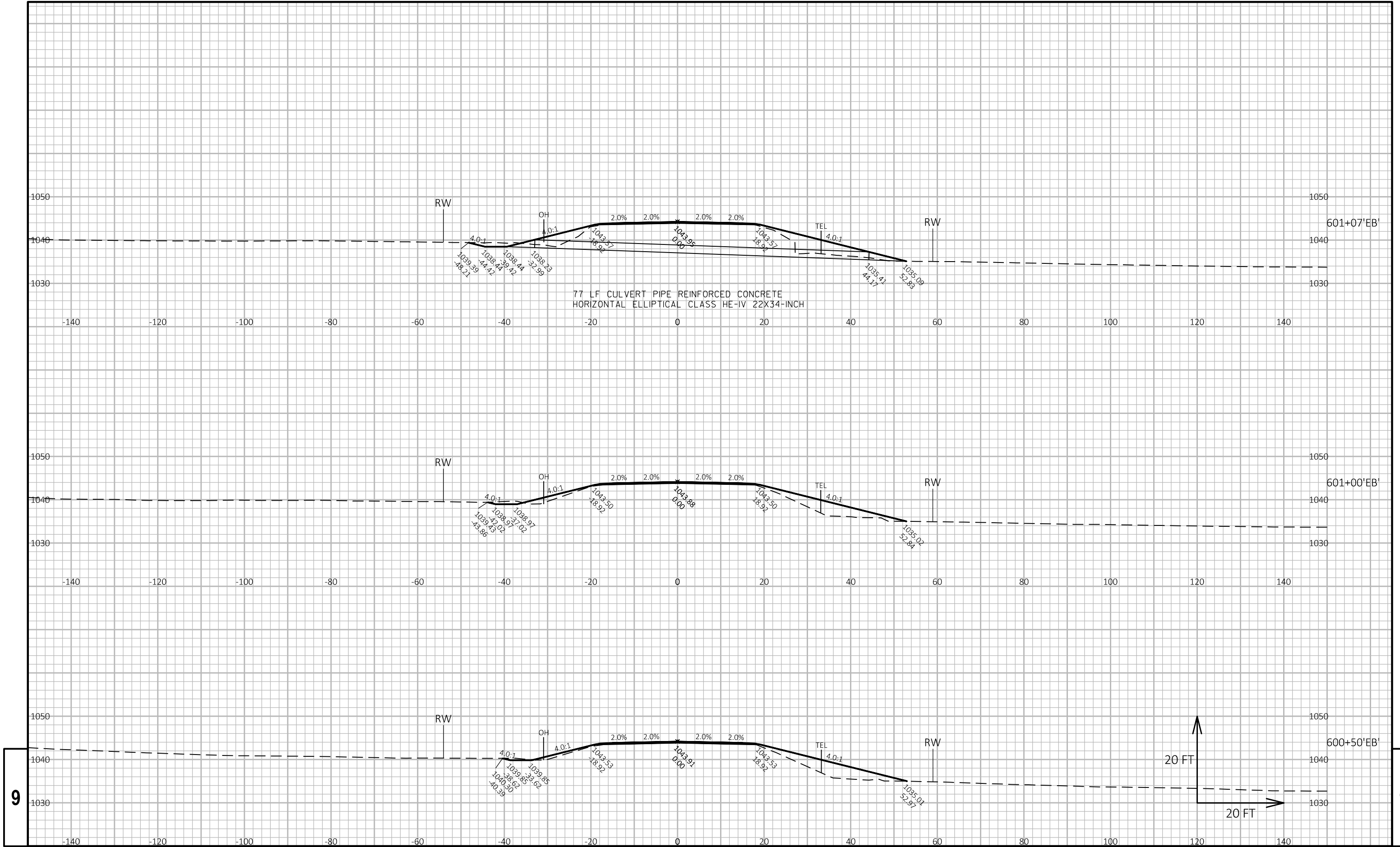


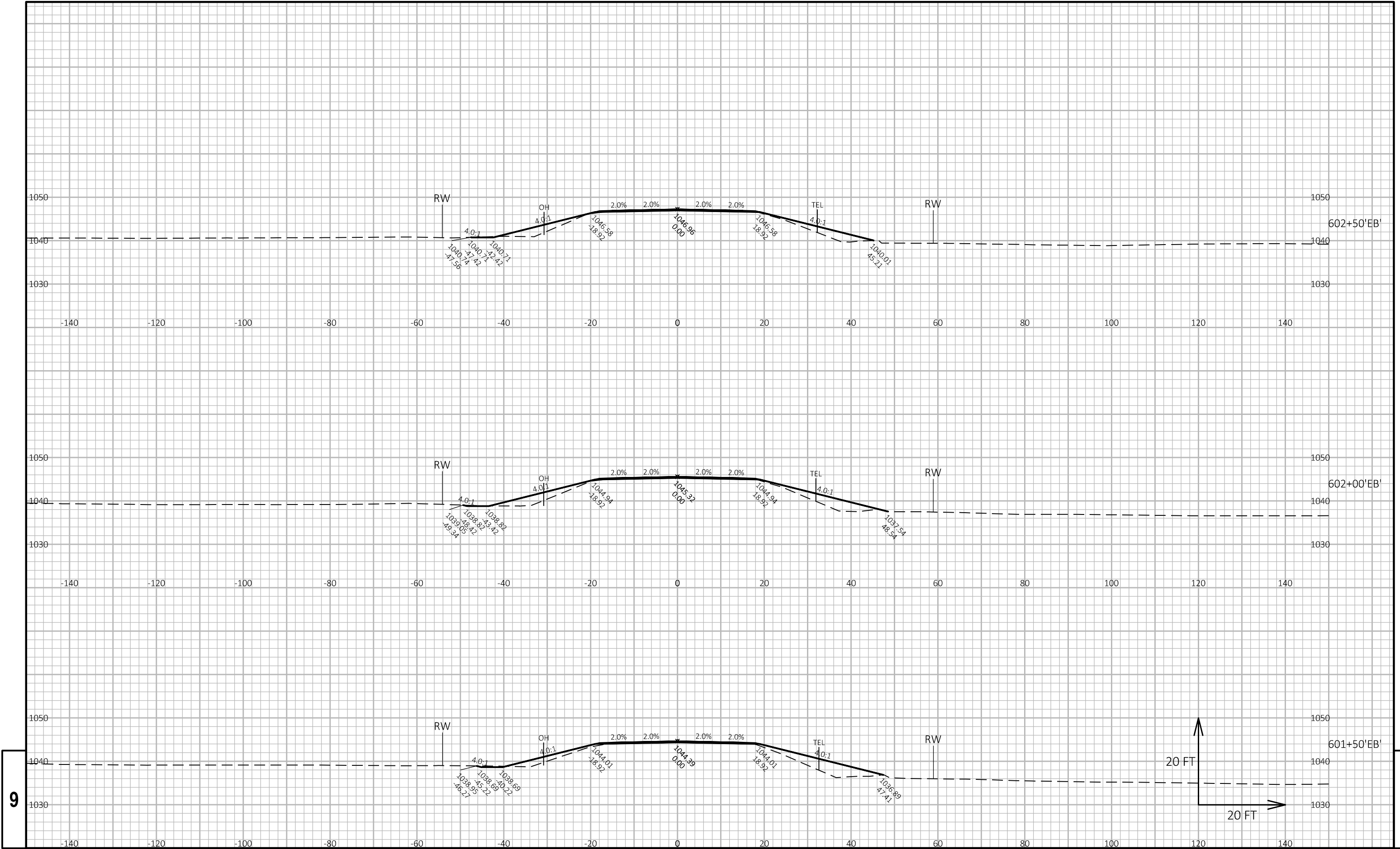


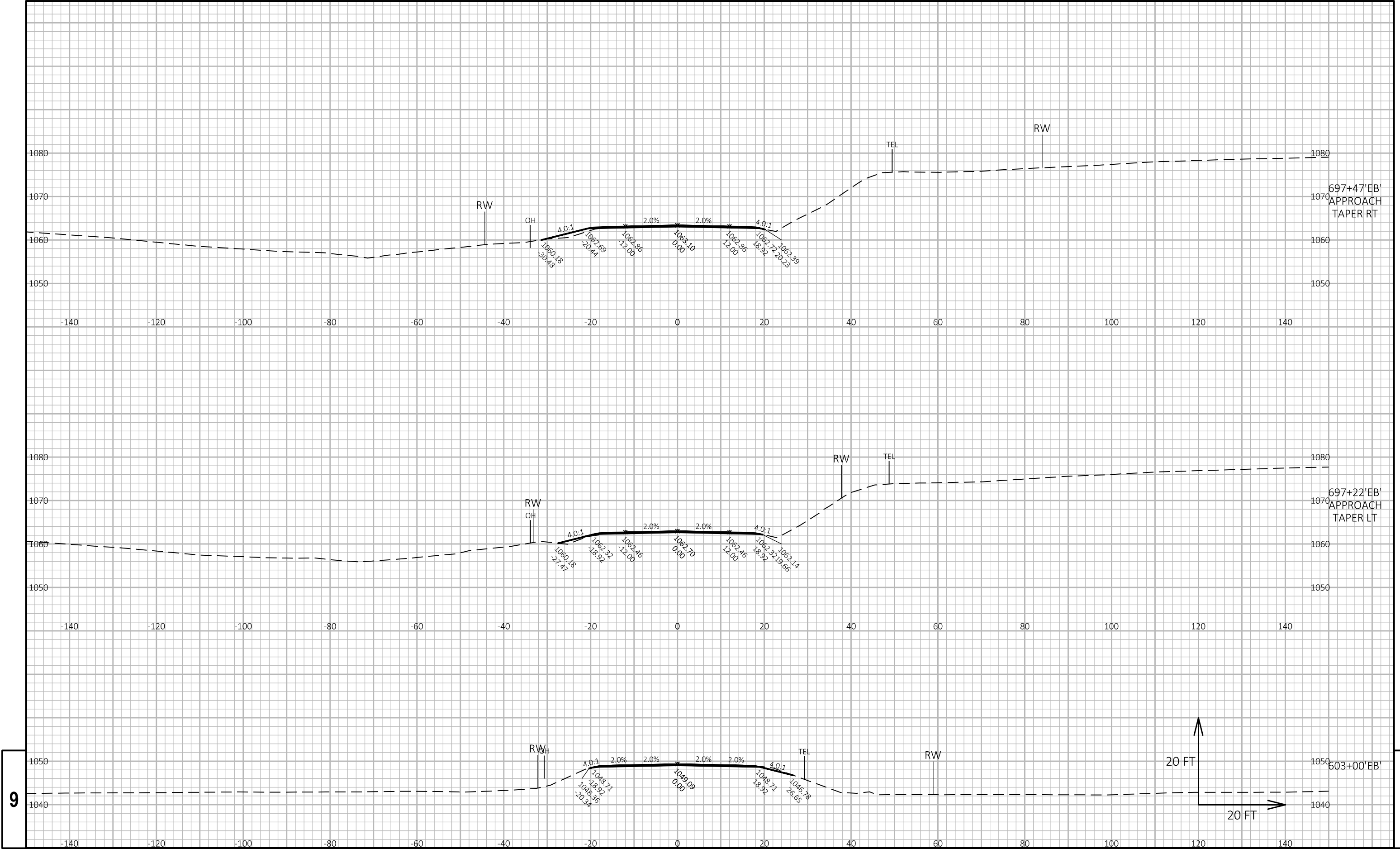


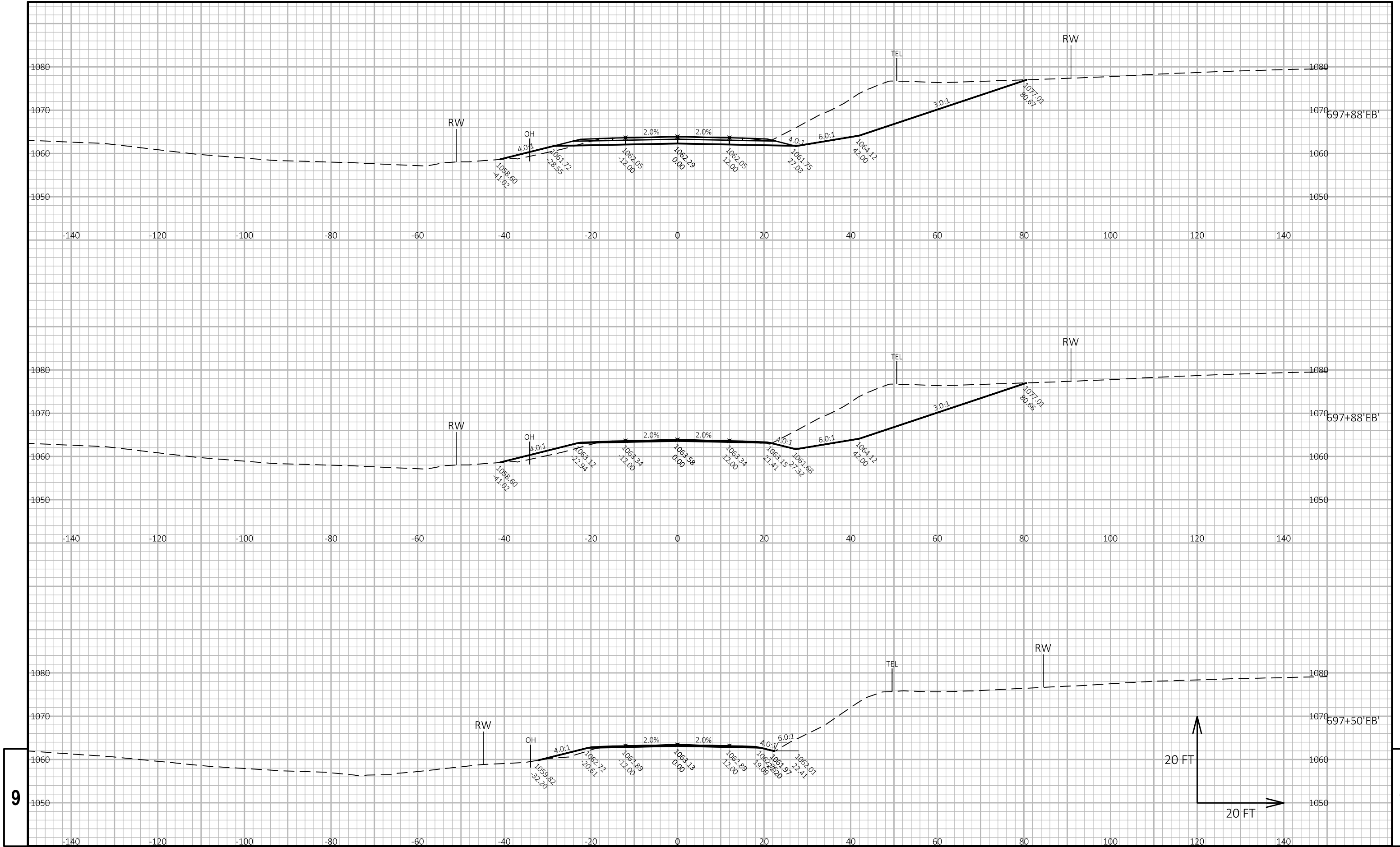




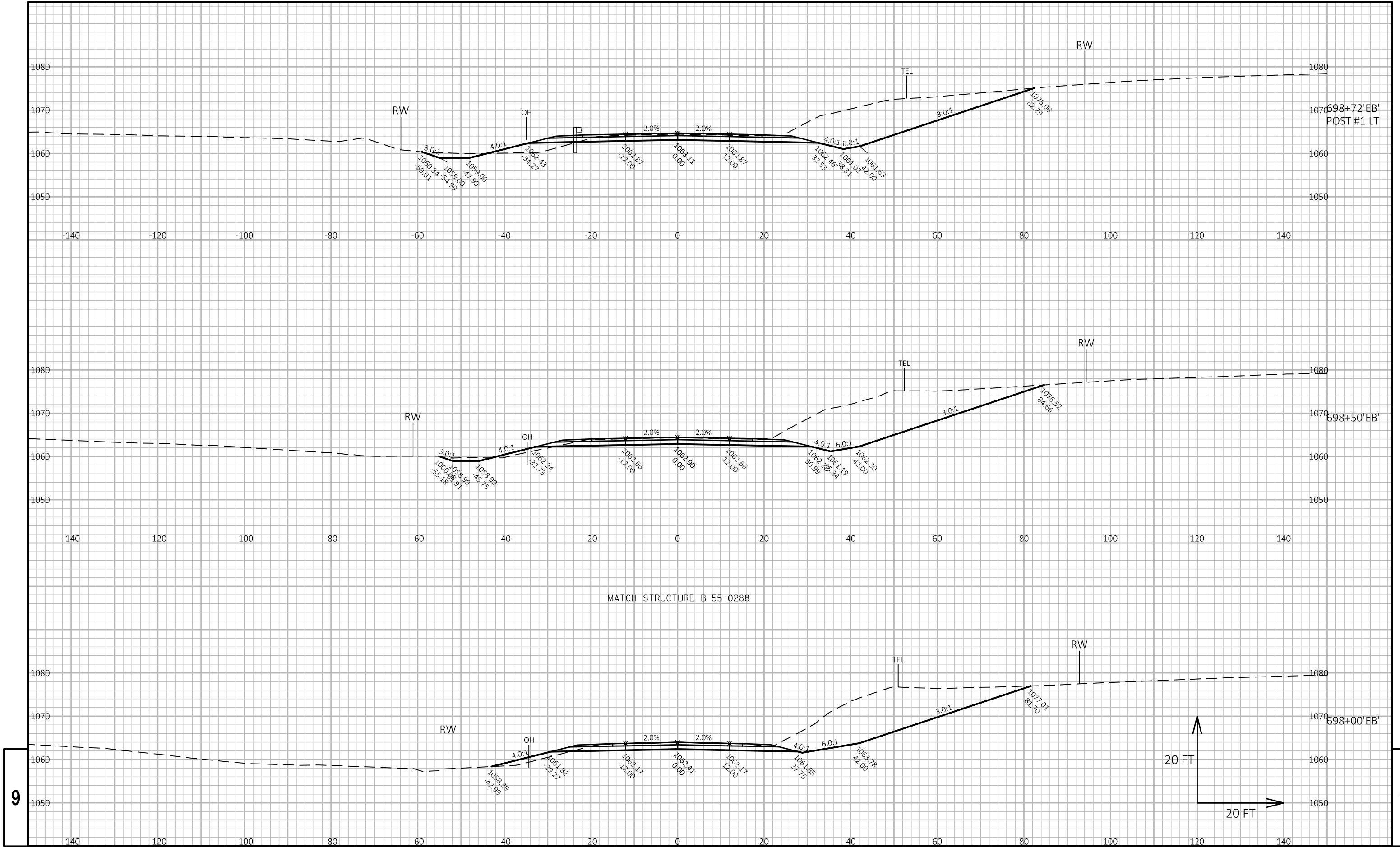


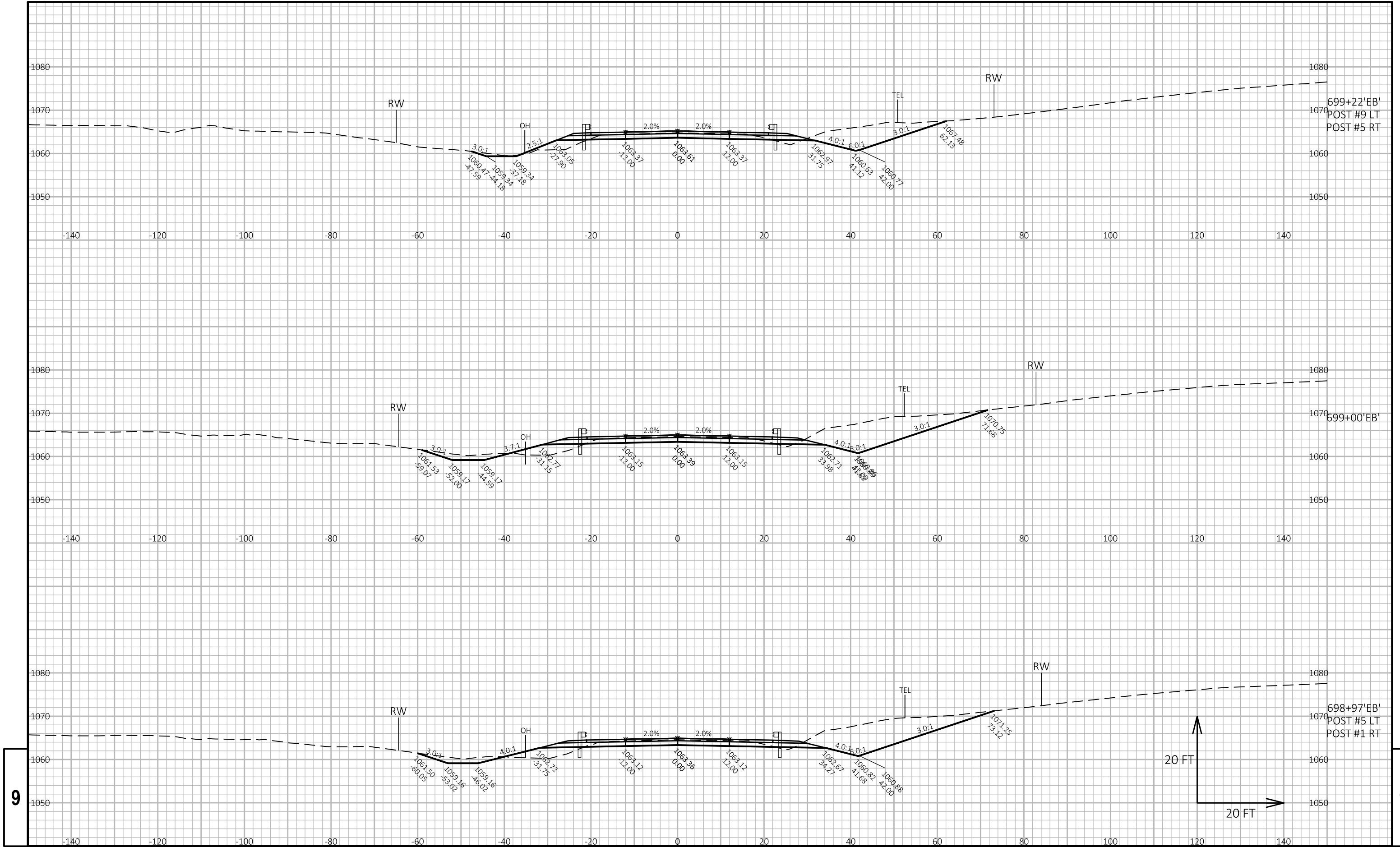


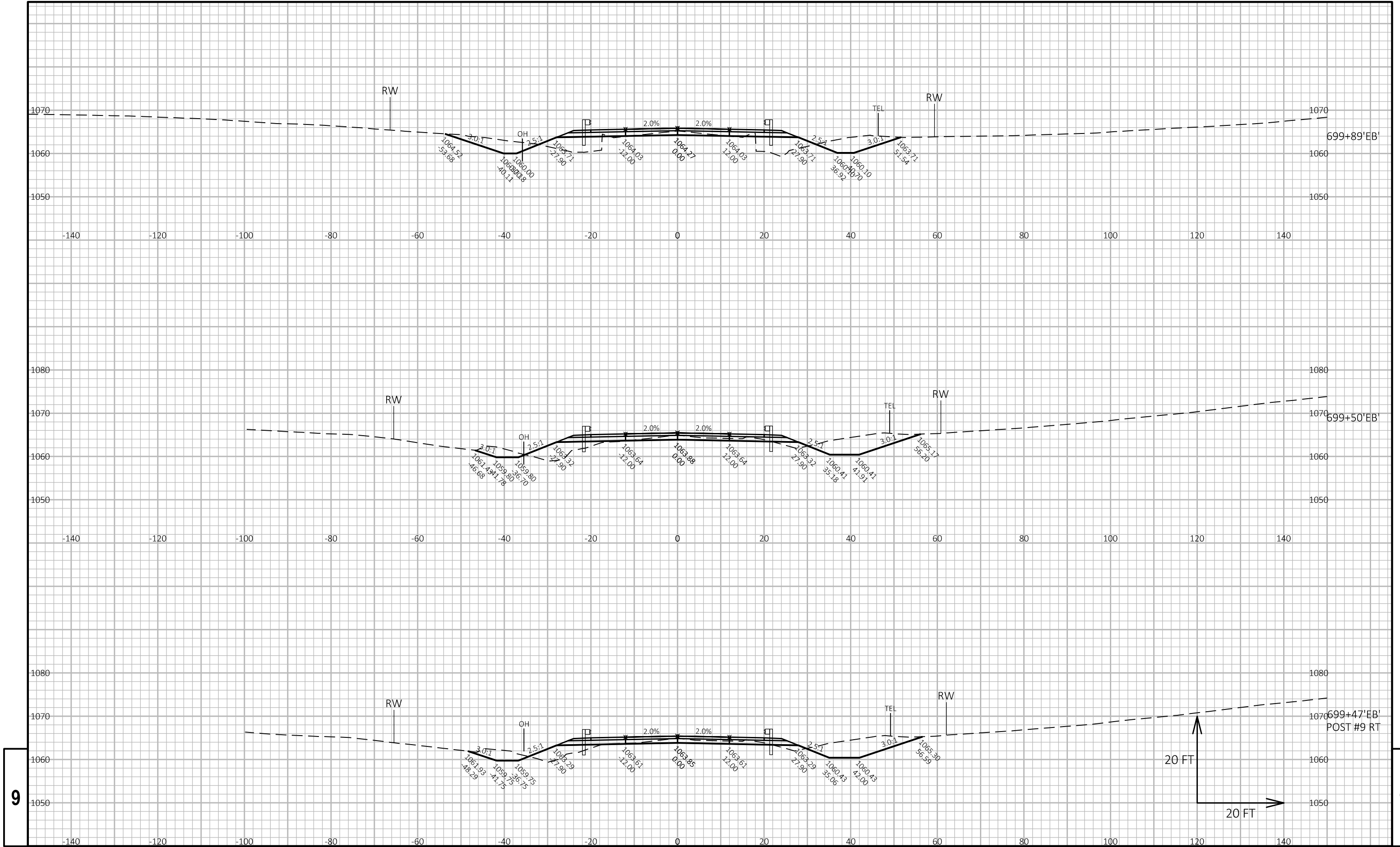


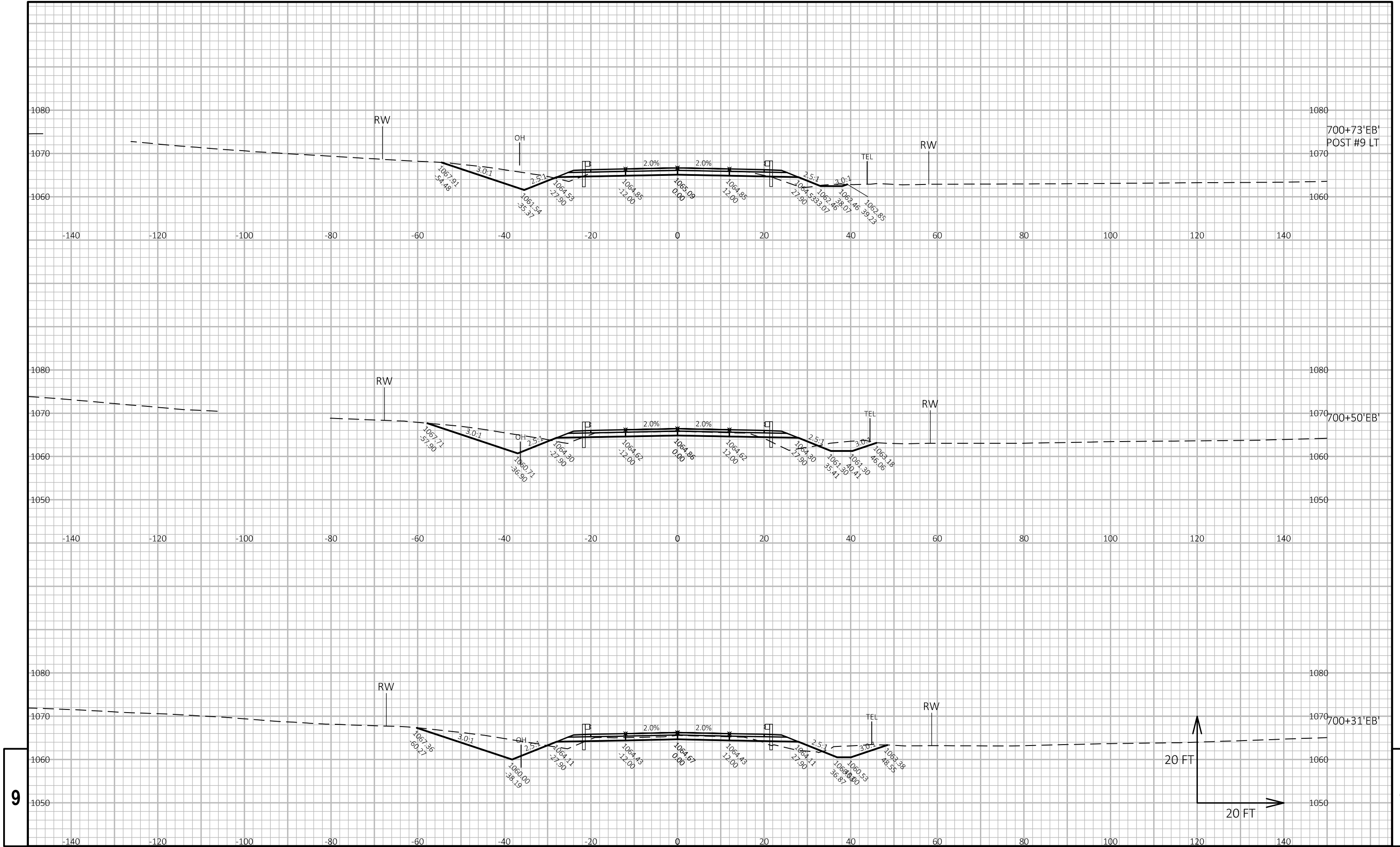


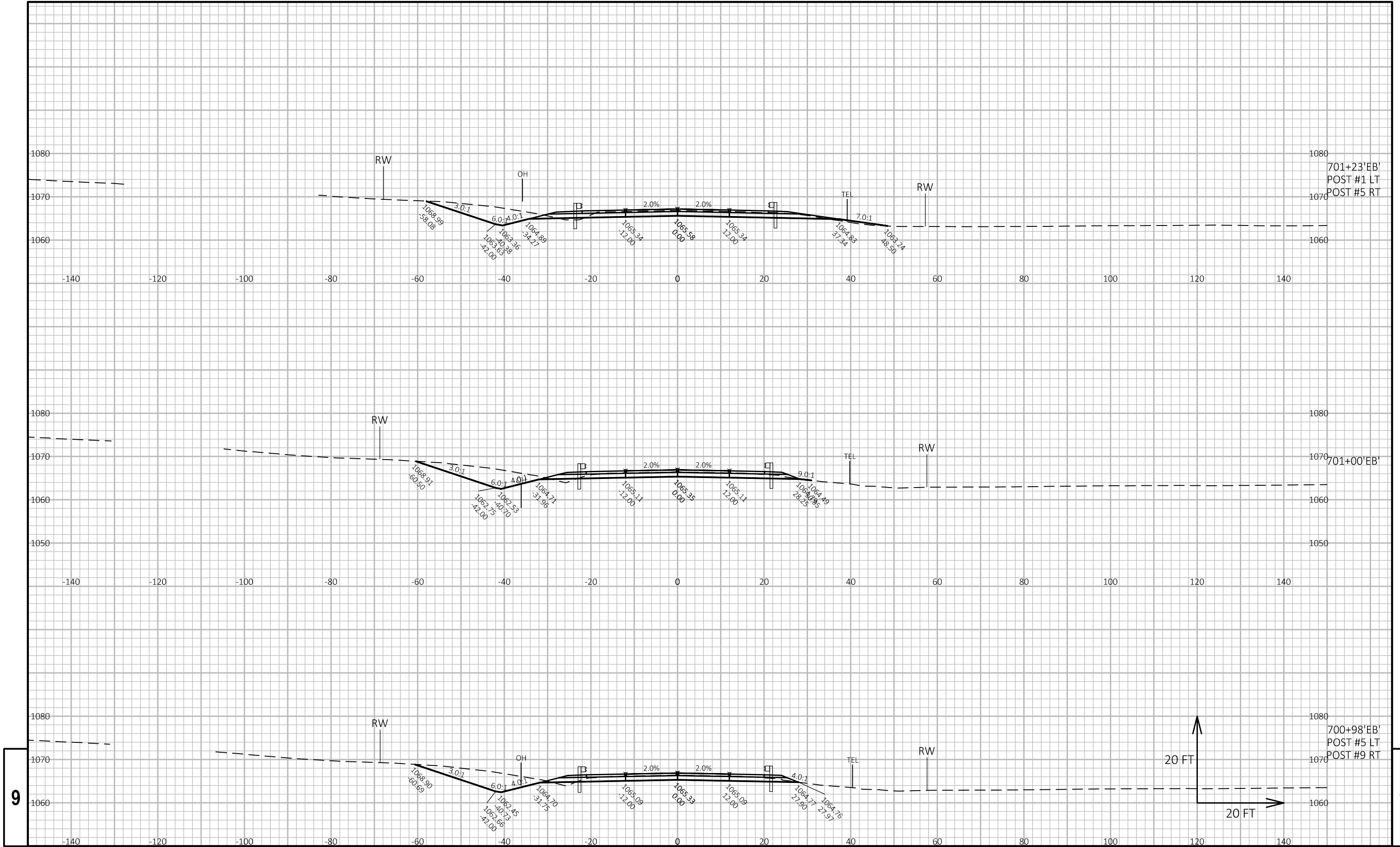
PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	CROSS SECTIONS: USH 12	SHEET	E
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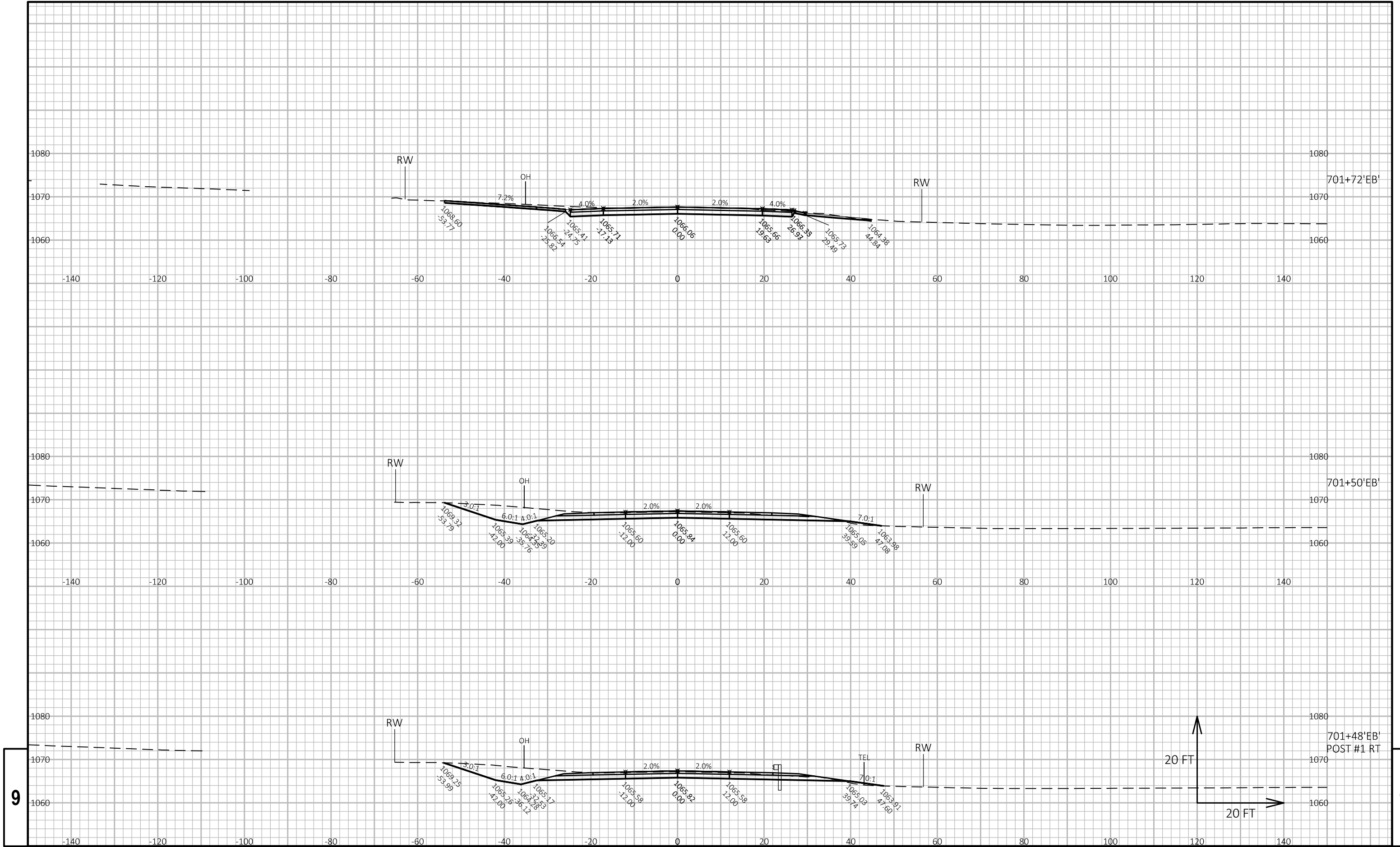


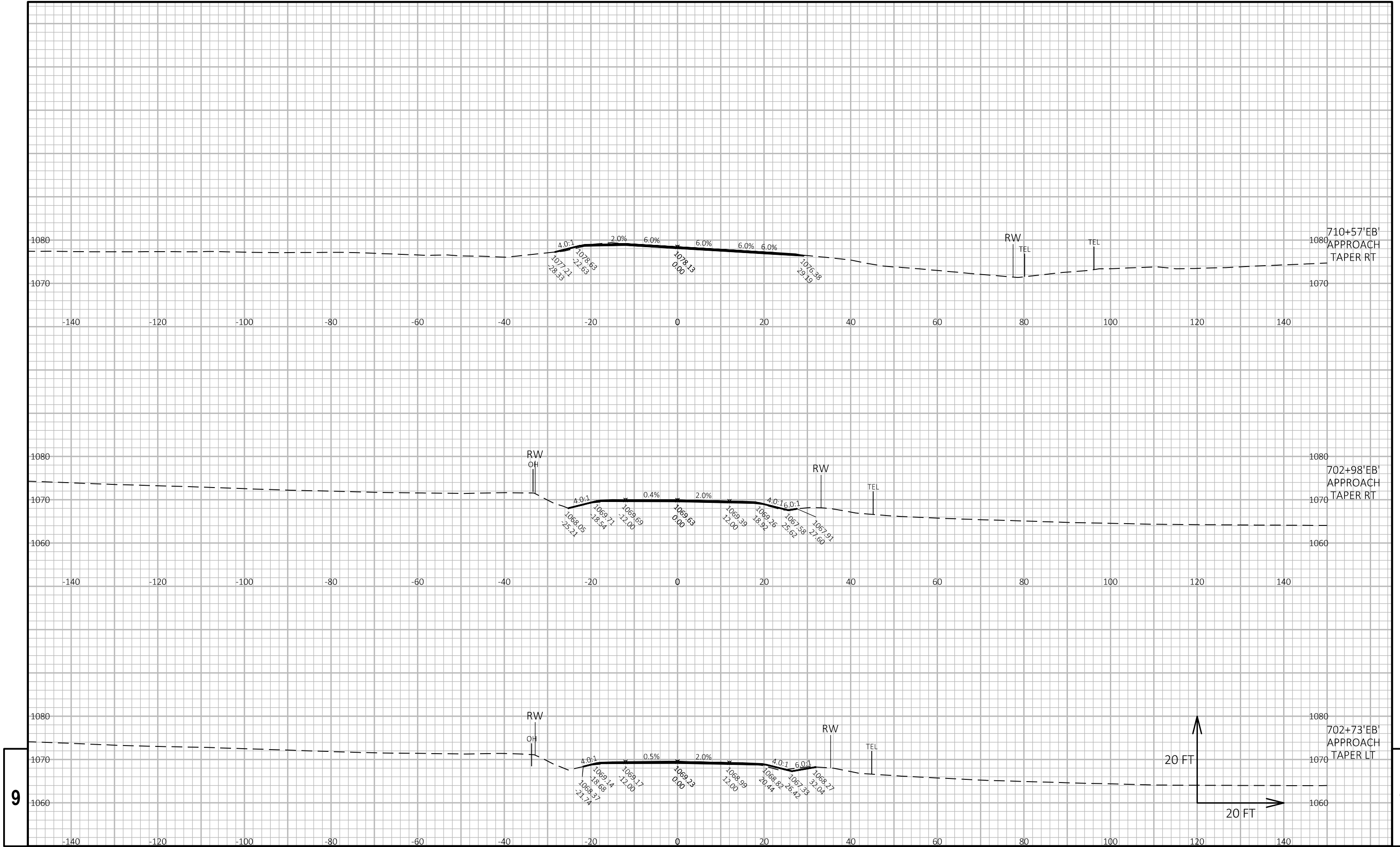




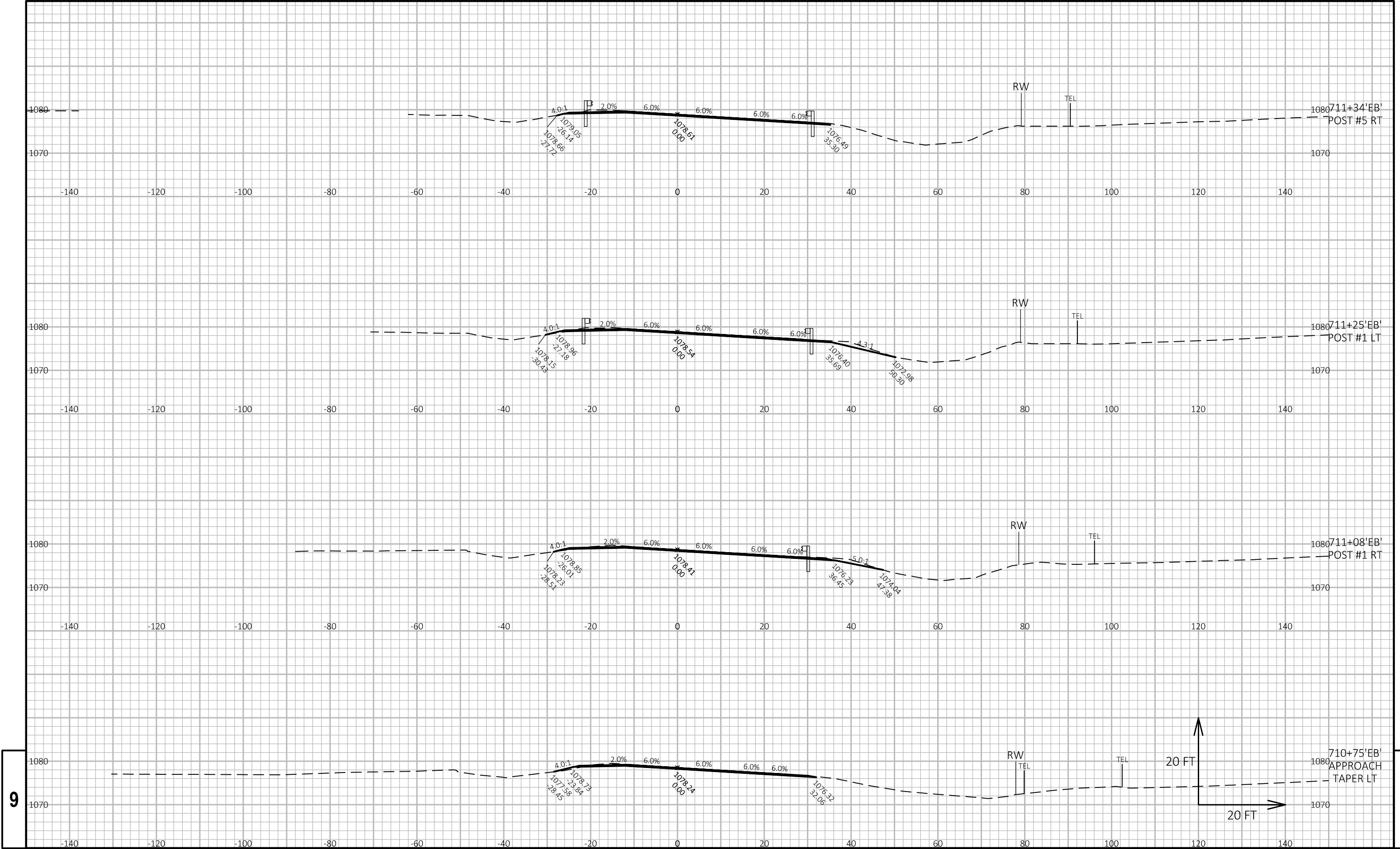


PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	CROSS SECTIONS: USH 12	SHEET	E
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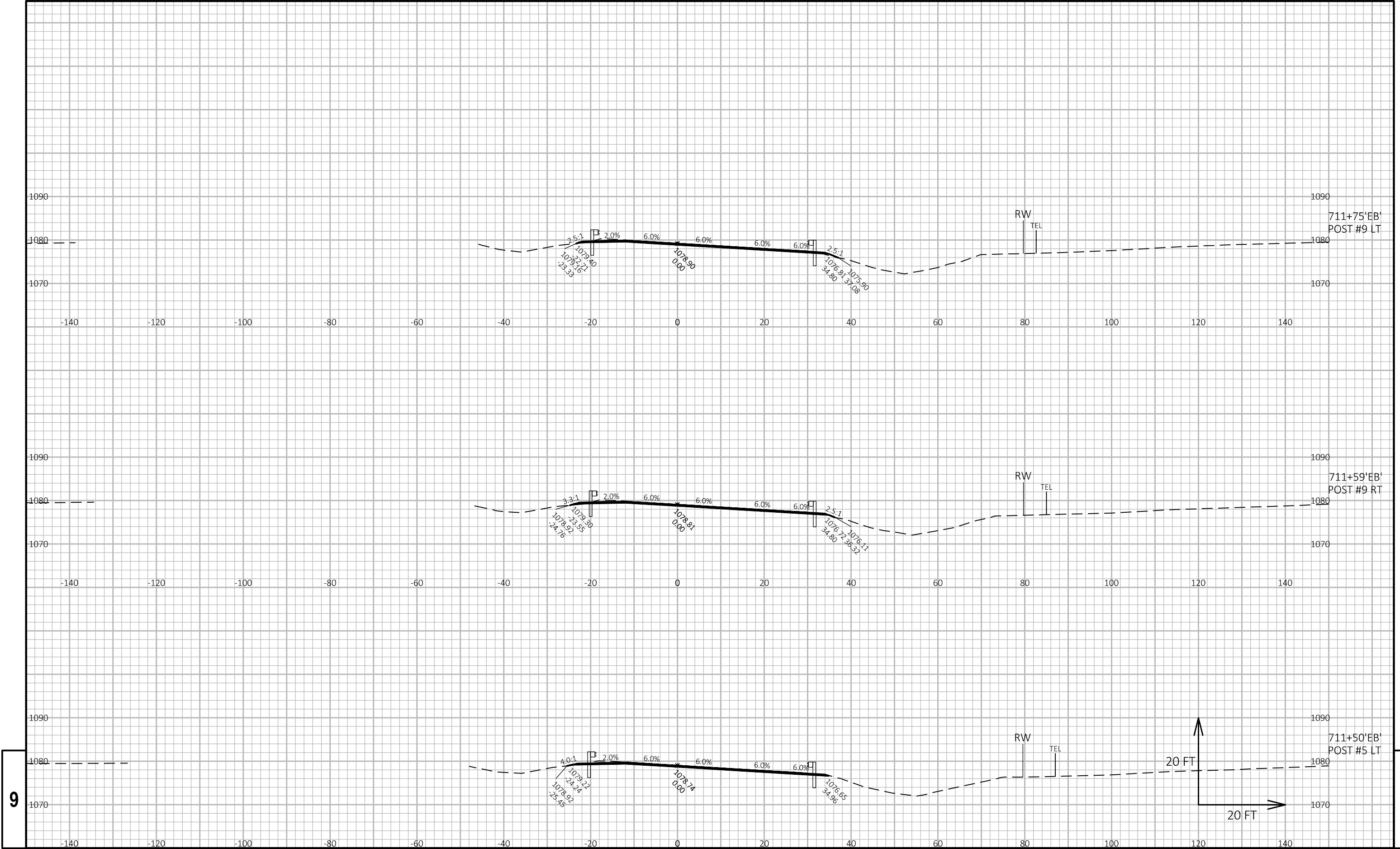


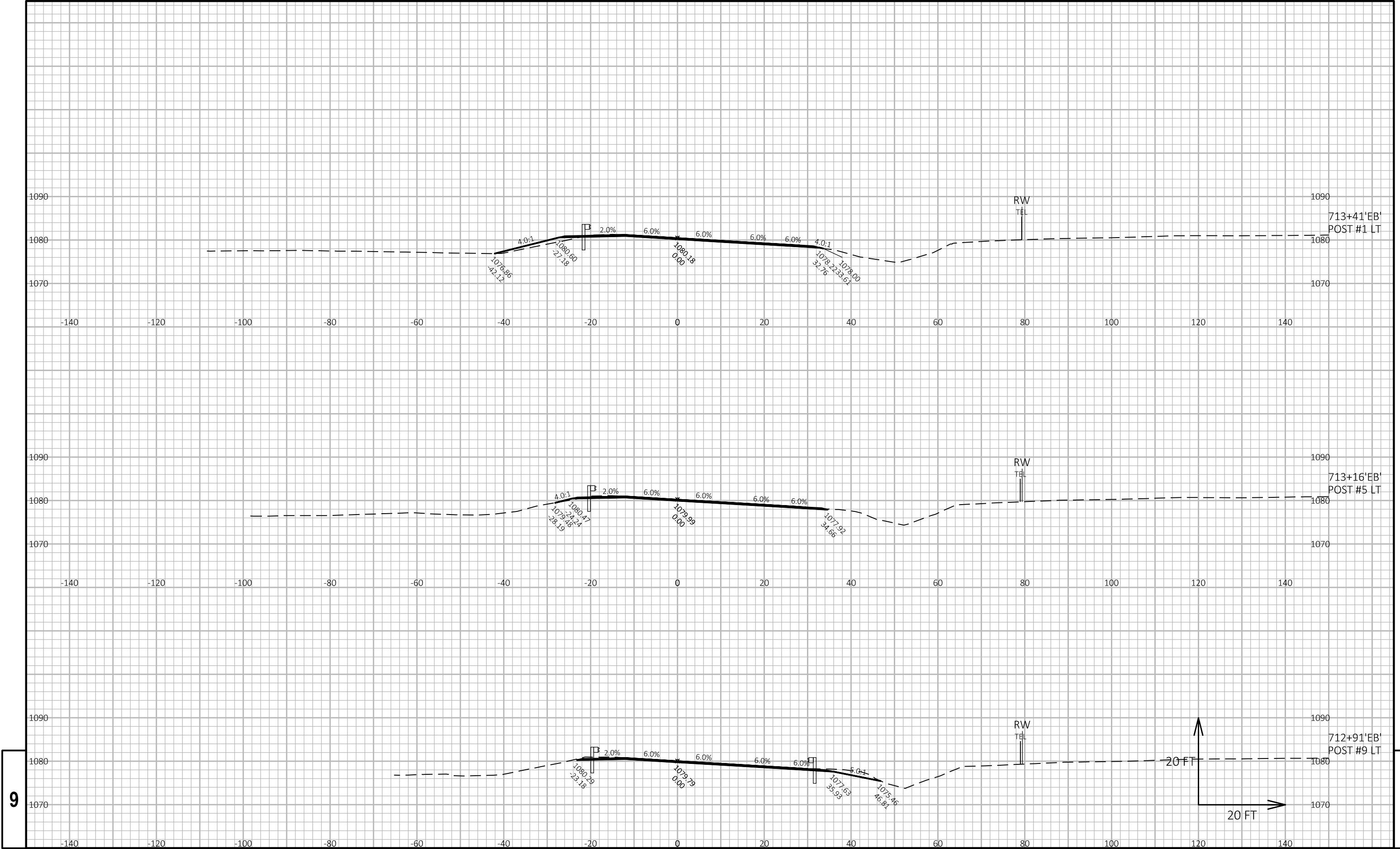


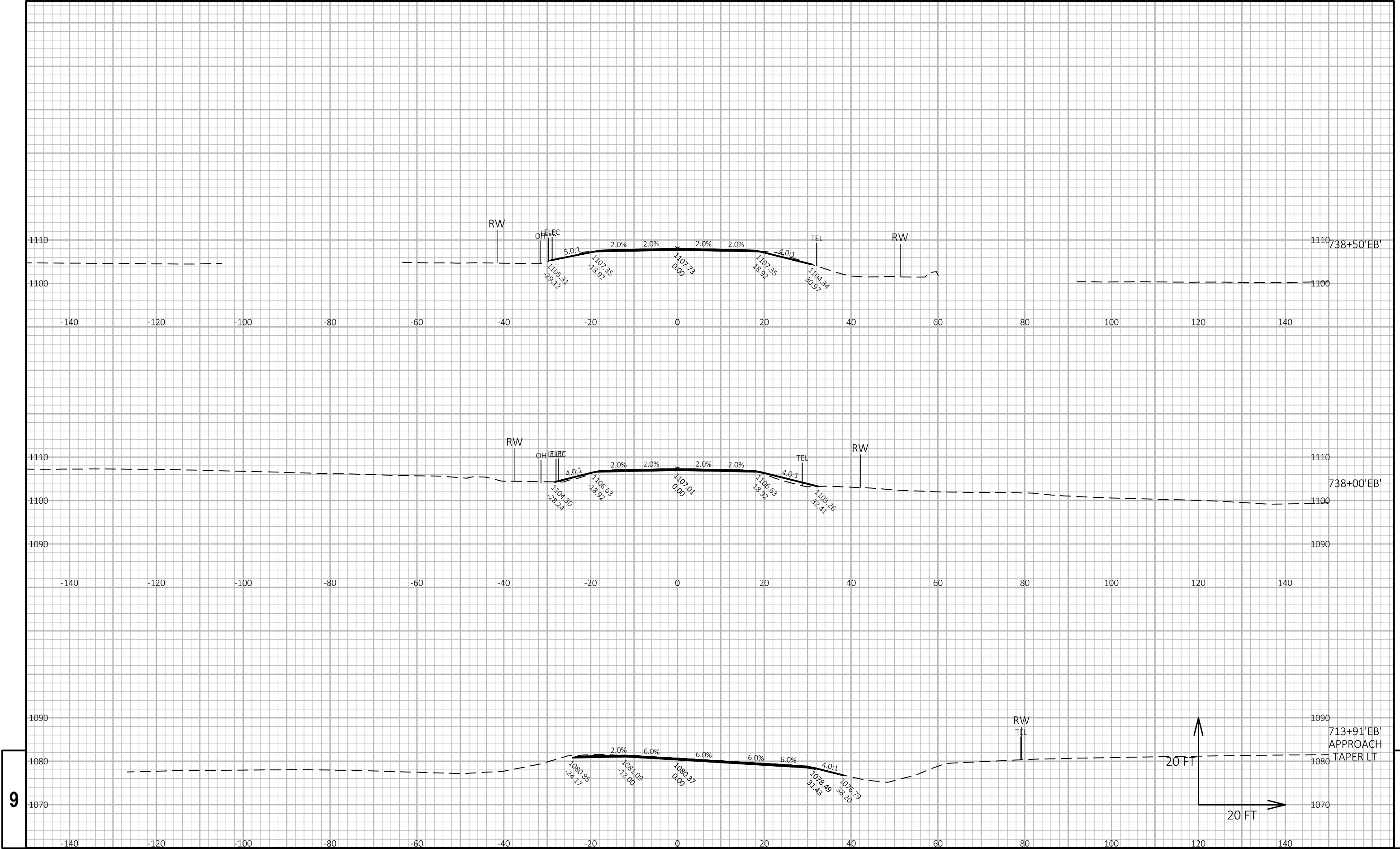
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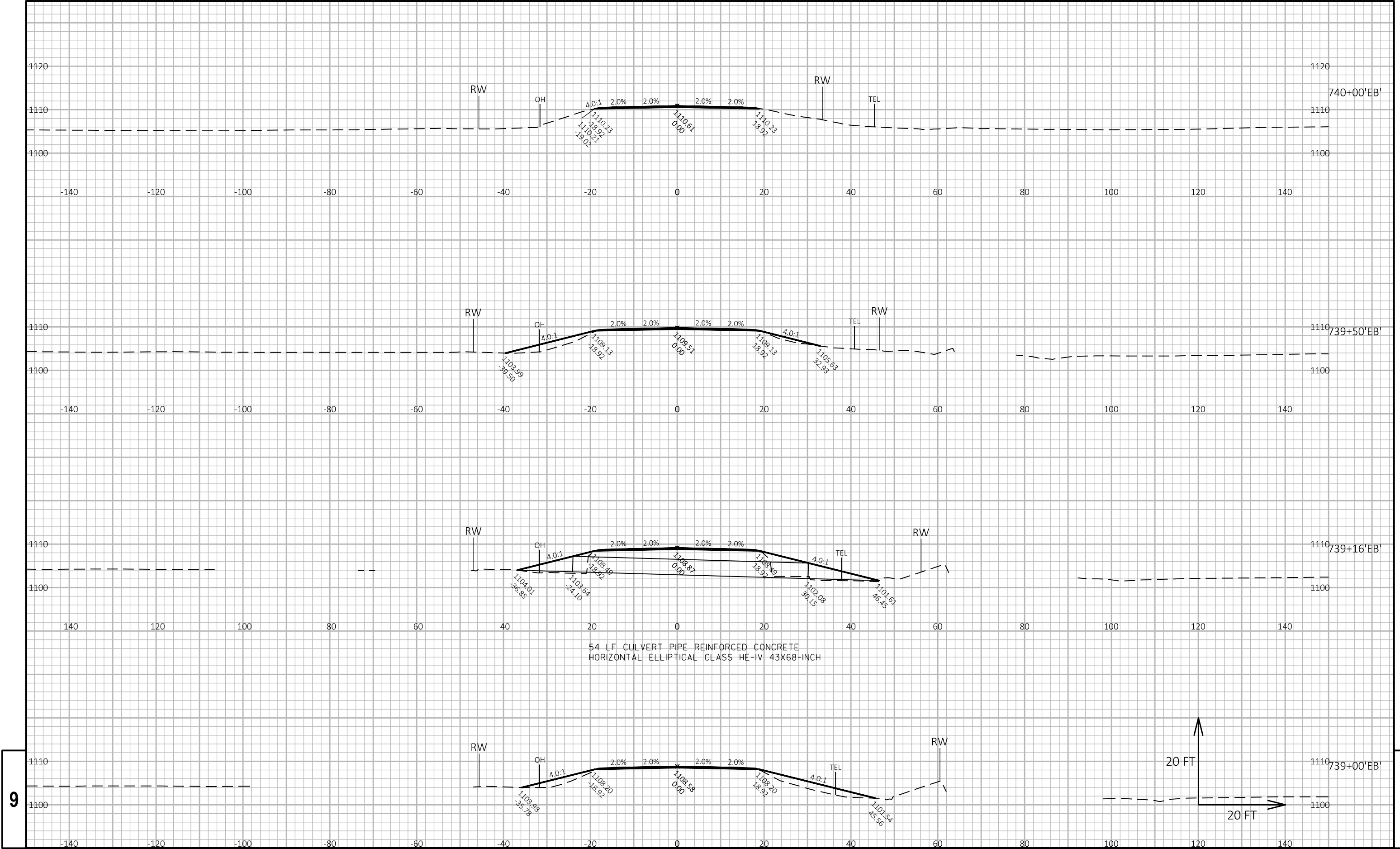


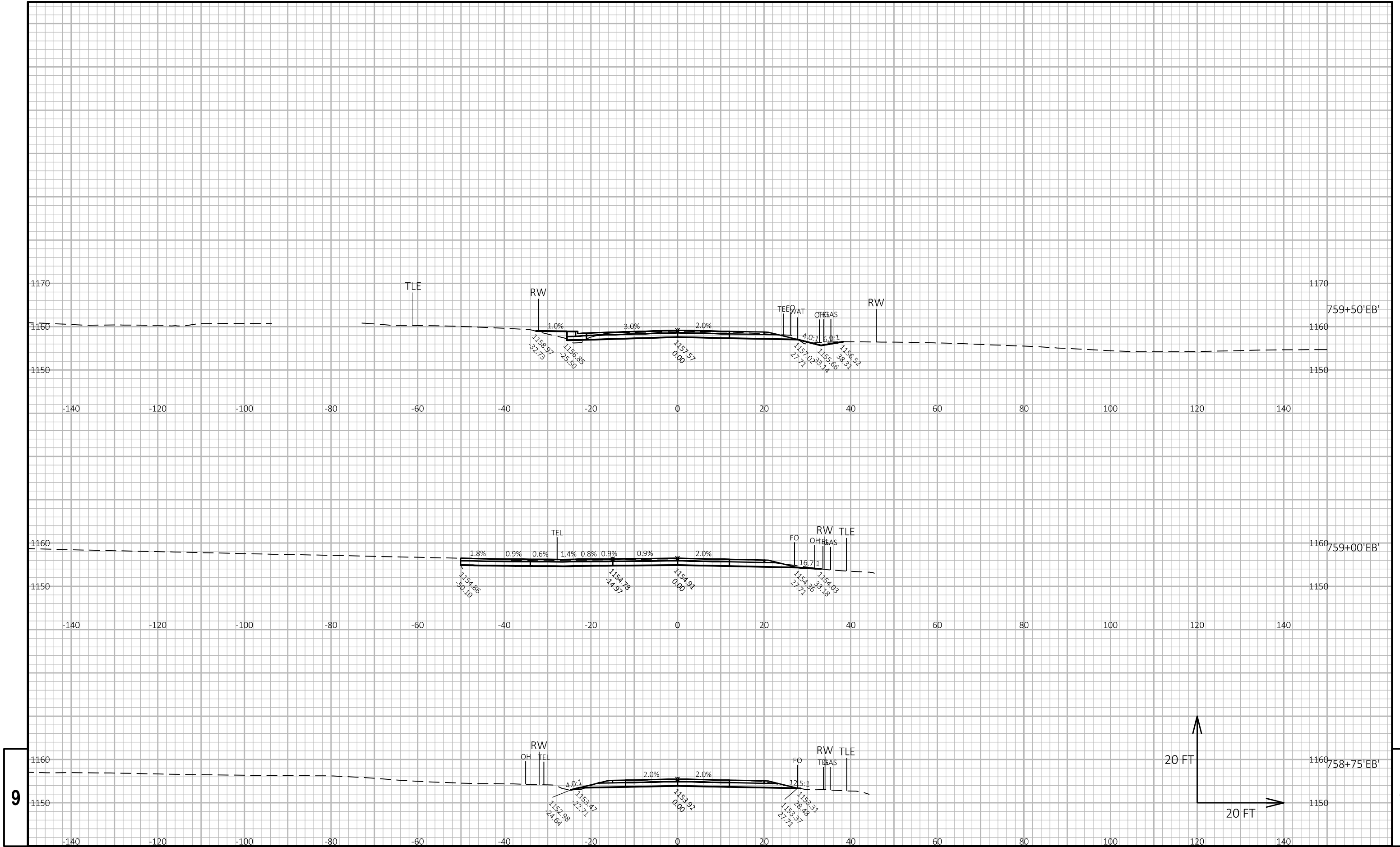
PROJECT NO: 8949-00-71		HWY: USH 12		COUNTY: ST. CROIX		CROSS SECTIONS: USH 12		SHEET		E	
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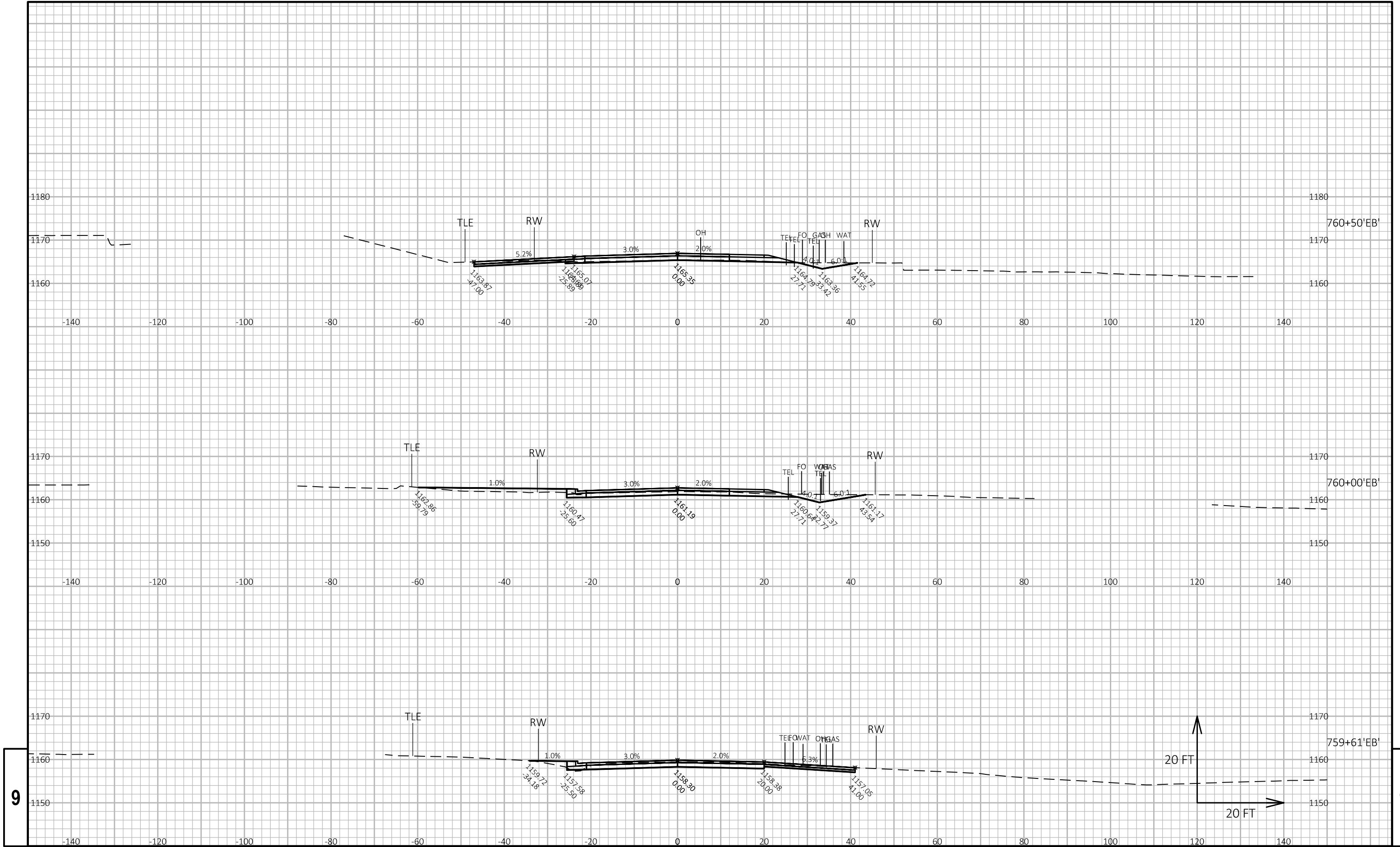


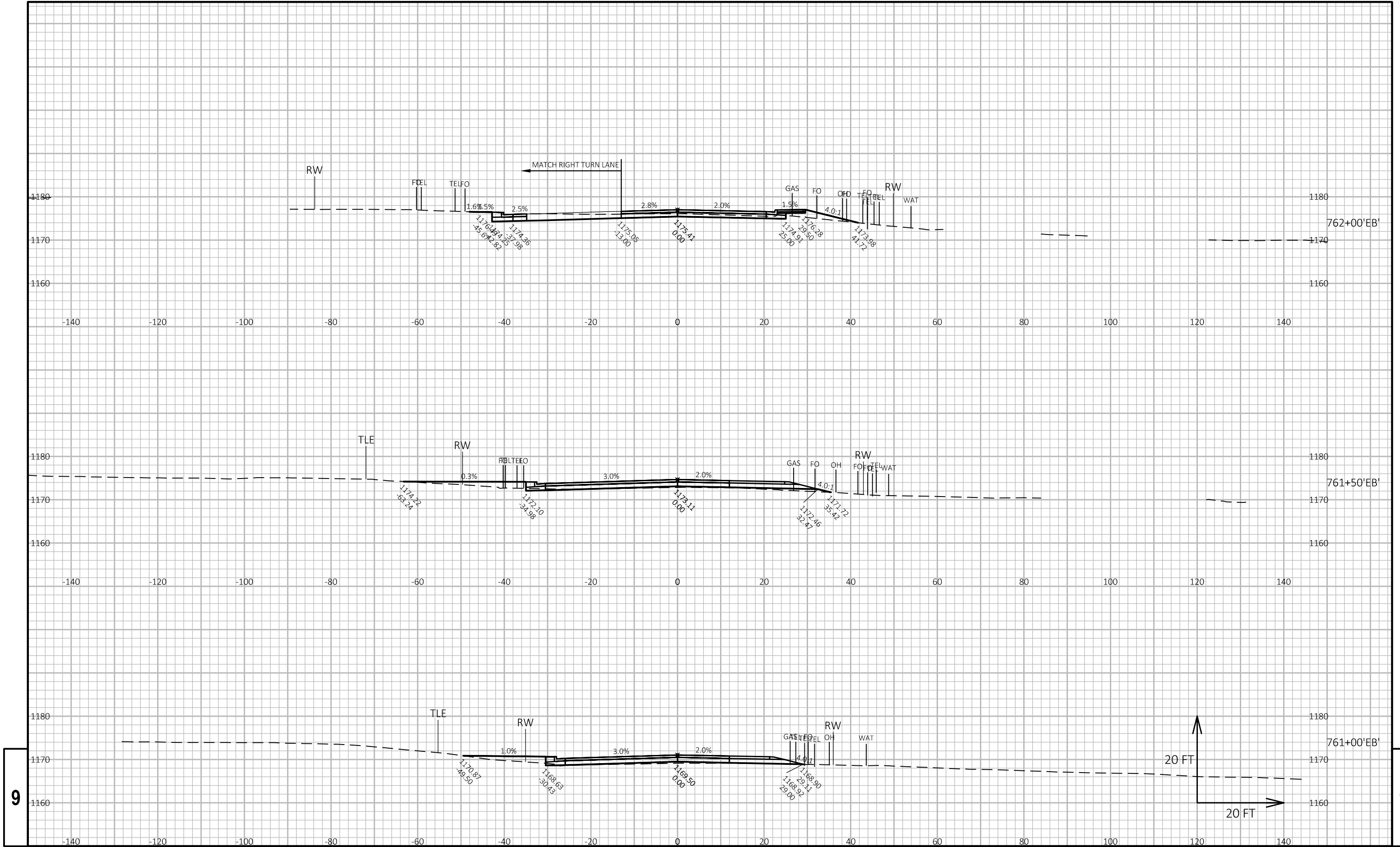


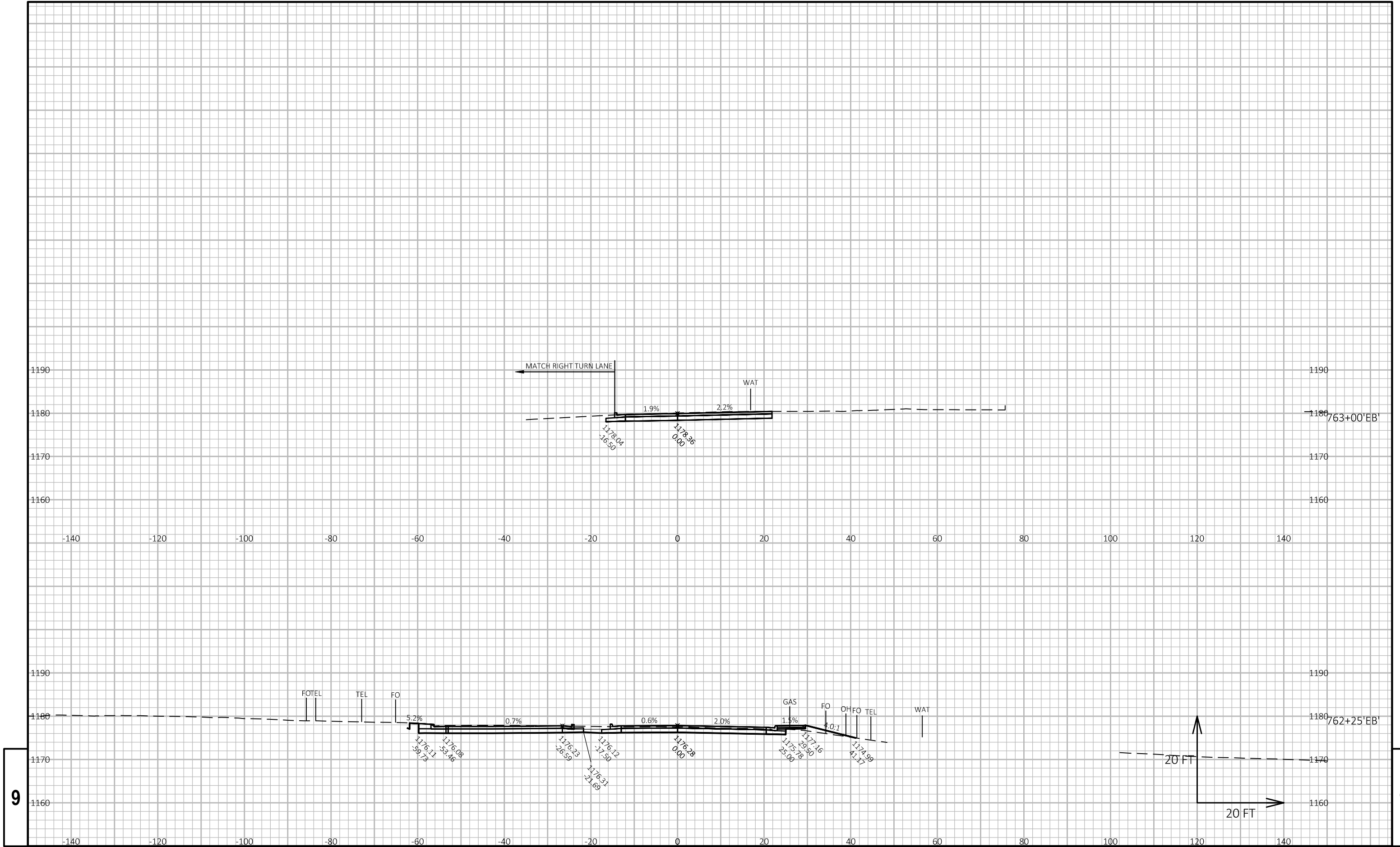




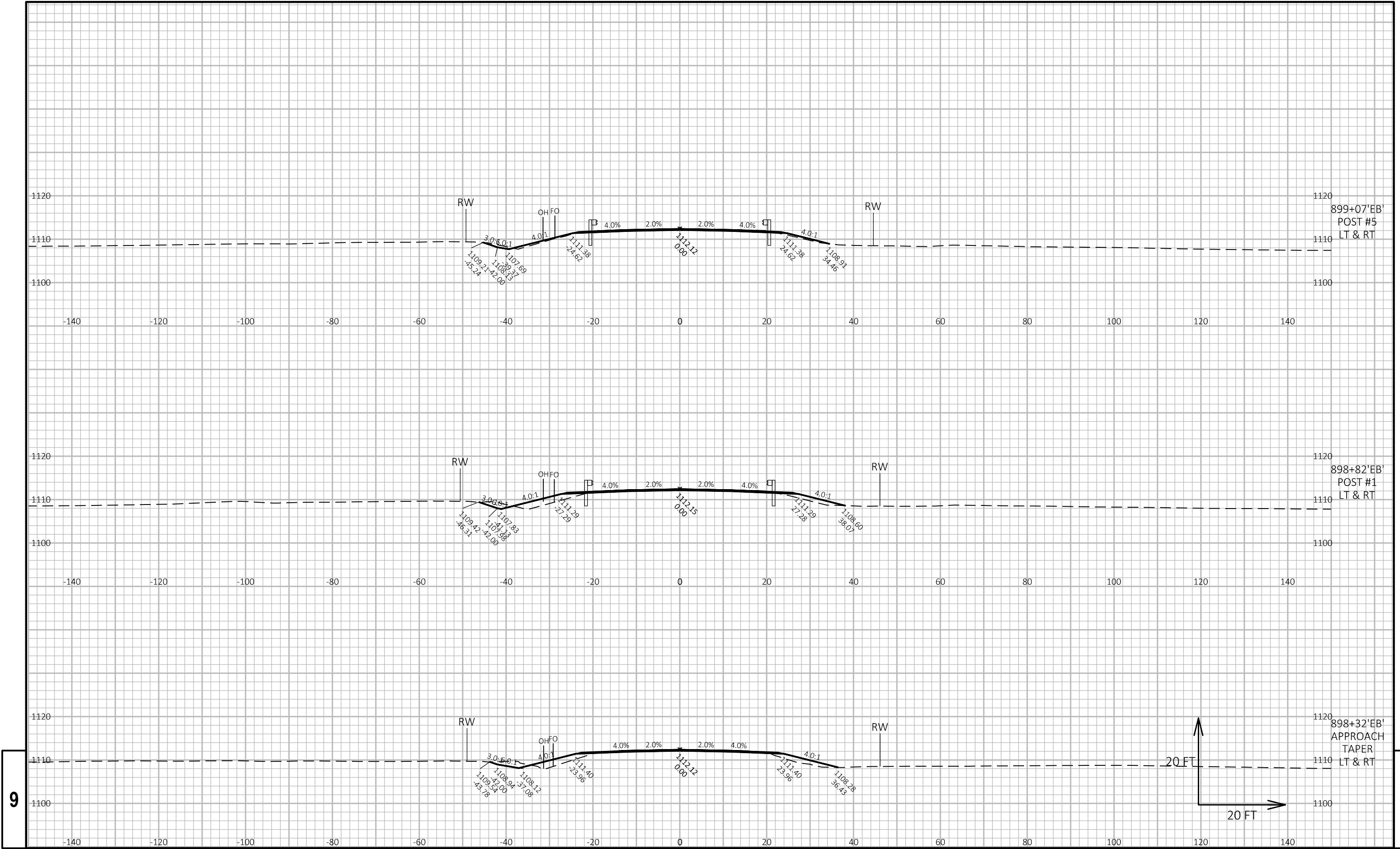


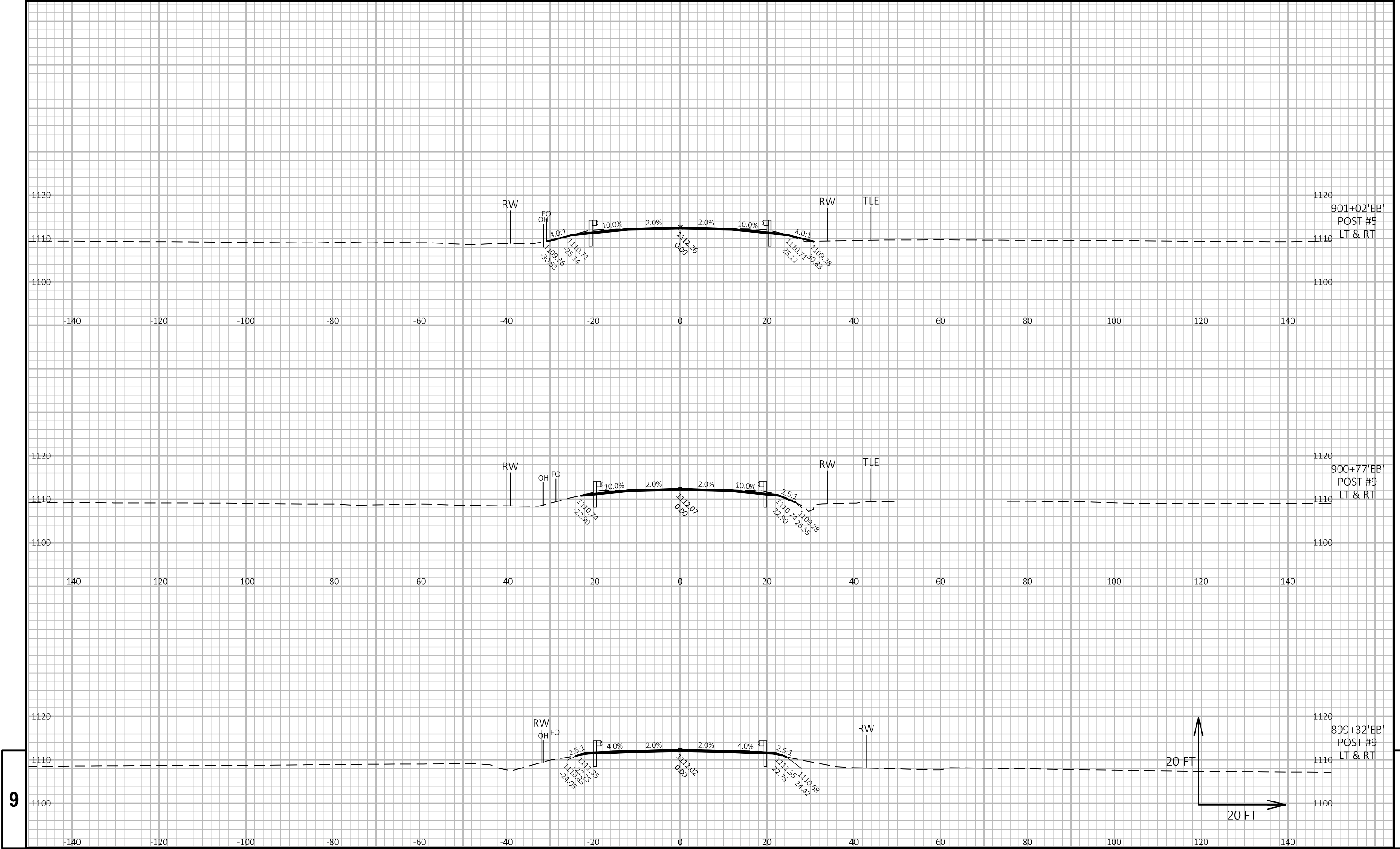




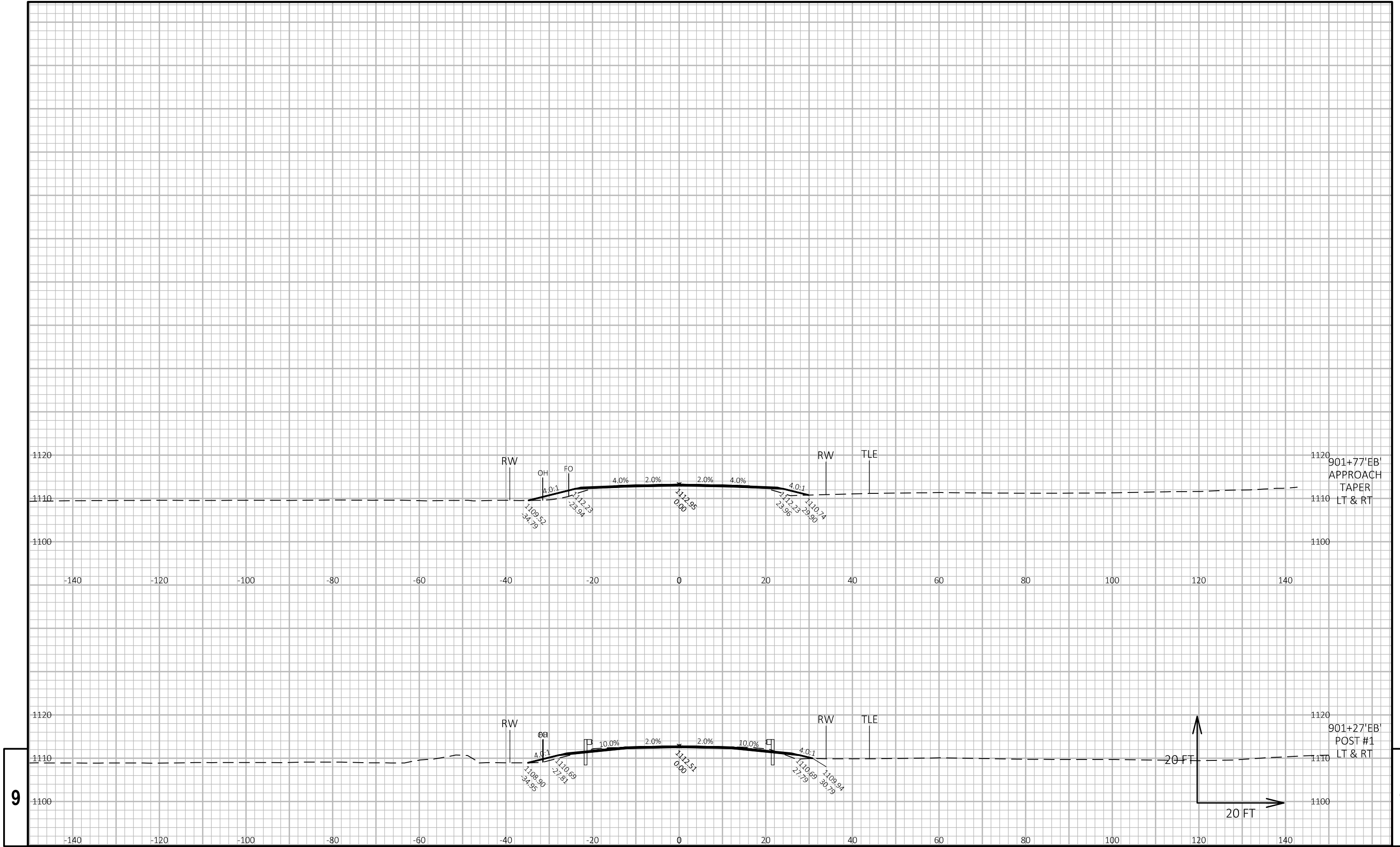


PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	CROSS SECTIONS: USH 12	SHEET E
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PROJECT NO: 8949-00-71		HWY: USH 12		COUNTY: ST. CROIX		CROSS SECTIONS: USH 12		SHEET		E
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PROJECT NO: 8949-00-71	HWY: USH 12	COUNTY: ST. CROIX	CROSS SECTIONS: USH 12	SHEET E
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