PROJECT ID: 1021-03-74

WITH:

COUNTY: EAU CLAIRE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

EAU CLAIRE - OSSEO

2 BR/HOBBS RD B18-210/CTH I B18-232

IH 94

EAU CLAIRE COUNTY

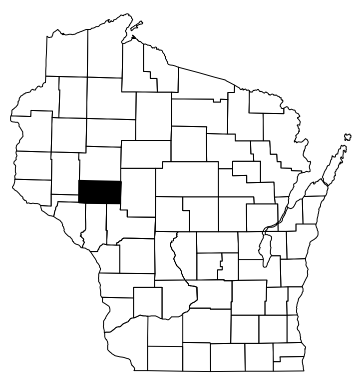
STATE PROJECT NUMBER
1021-03-74

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1021-03-74		

Wis. Admin. Code § Trans 220
PROJECT PLAN
APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS
Date: March 28, 2017

ORDER OF SHEETS

TOTAL SHEETS =



N

DESIGN DESIGNATION 1021-03-04

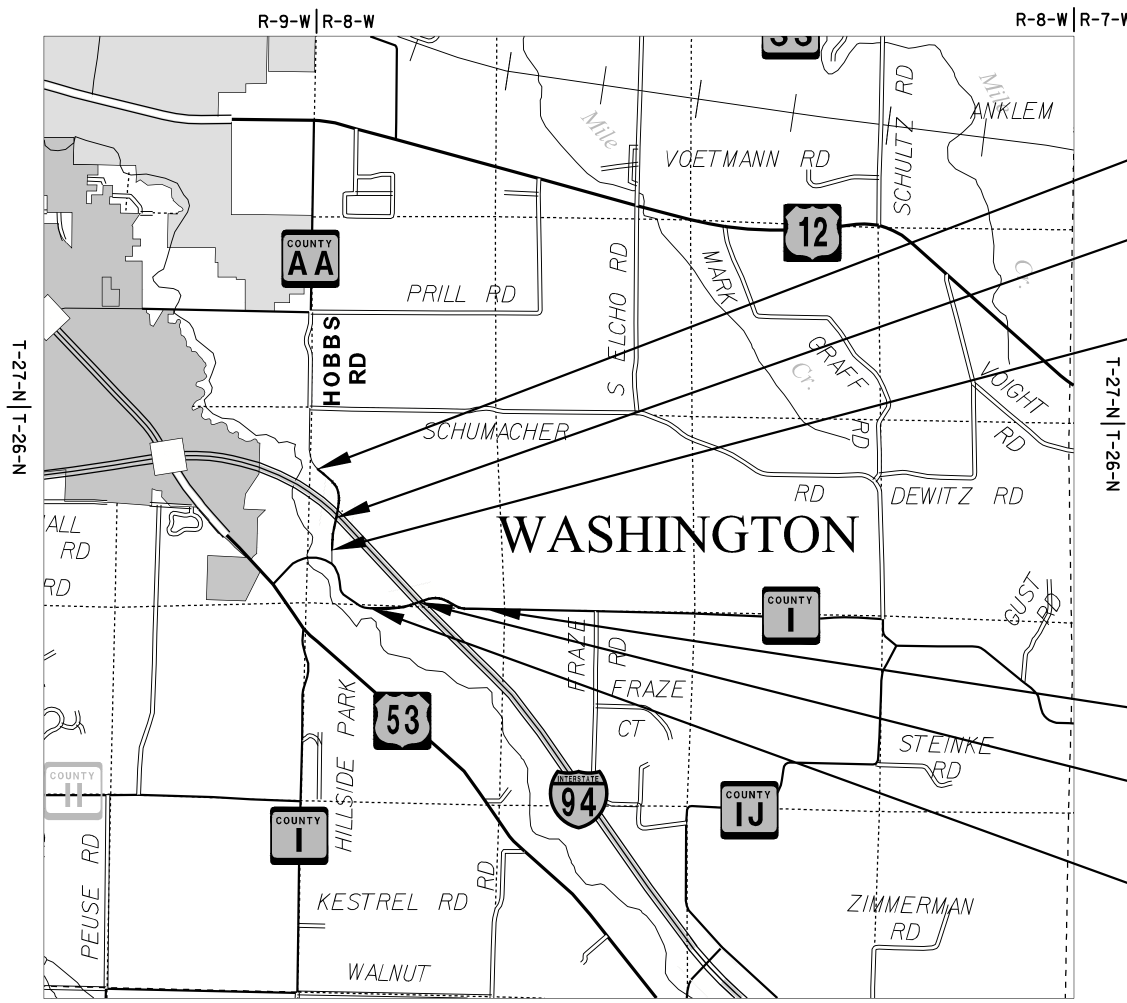
			Hobbs Rd	CTH I	IH 94
A.A.D.T.	2018	=	430	335	26,800
A.A.D.T.	2042	=	530	410	29,900
D.H.V.		=	N/A	N/A	7,270
D.D.		=	N/A	N/A	58/42
T.		=	6.0%	6.0%	32.2%
DESIGN SPEED		=	45 MPH	45 MPH	70 MPH
ESALS		=	52,000	52,000	N/A

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 (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

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

UTILITIES
- ELECTRIC — E
- OVERHEAD UTILITY — OH
- FIBER OPTIC — FO
- GAS — G
- SANITARY SEWER — SAN
- STORM SEWER — SS
- TELEPHONE — T
- WATER — W
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE



LAYOUT

SCALE 0 — 2 MILES

TOTAL NET LENGTH OF CENTERLINE = 0.672 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, EAU CLAIRE 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.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	NW REGION
Designer	LUCAS BUDDEN
Project Manager	MATTHEW THORNSEN
Regional Examiner	CHRIS KOSKI
Regional Supervisor	RICHARD SHERMO

APPROVED FOR THE DEPARTMENT

DATE: ________ ________ (Signature)

E

UTILITIES

COMMUNICATIONS LINE

AT&T LEGACY
MR. WILLIAM KOENIG
110 N. MAIN ST.
CULVER, IN 46511
PHONE: (608) 628-0575
jmc140@myfrontiermail.com

WINDSTREAM KDL, INC.
MR. JIM KOSTUCH
13935 BISHOPS DR.
BROOKFIELD, WI 53005
PHONE: (262) 792-7938
UTILITY REPRESENTATIVE
DENNIS RUESS
PHONE: (608) 512-5587
dennis.ruess@windstream.com

ELECTRICITY - DISTRIBUTION

EAU CLAIRE ENERGY COOPERATIVE
MR. GARY BRECKA
8214 U.S. HWY 12
FALL CREEK, WI 54742-0368
PHONE: (715) 832-1603

DNR

DNR WEST CENTRAL REGION HEADQUARTERS
CHRIS WILLGER
1300 W. CLAIREMONT AVE.
EAU CLAIRE, WI 54701
PHONE: (715) 839-1609
christopherj.willger@wisconsin.gov

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

GENERAL NOTES

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

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED AND MULCHED. ALL OTHER DISTURBED AREAS ARE TO BE SEEDED, FERTILIZED AND MULCHED AT THE CONTRACTORS EXPENSE.

THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES.

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

LOCATIONS FOR PERMANENT SIGNS SHOWN ON THE PLAN ARE APPROXIMATE. ACTUAL LOCATIONS OF PERMANENT SIGNS ARE TO BE COORDINATED IN THE FIELD BY THE ENGINEER.

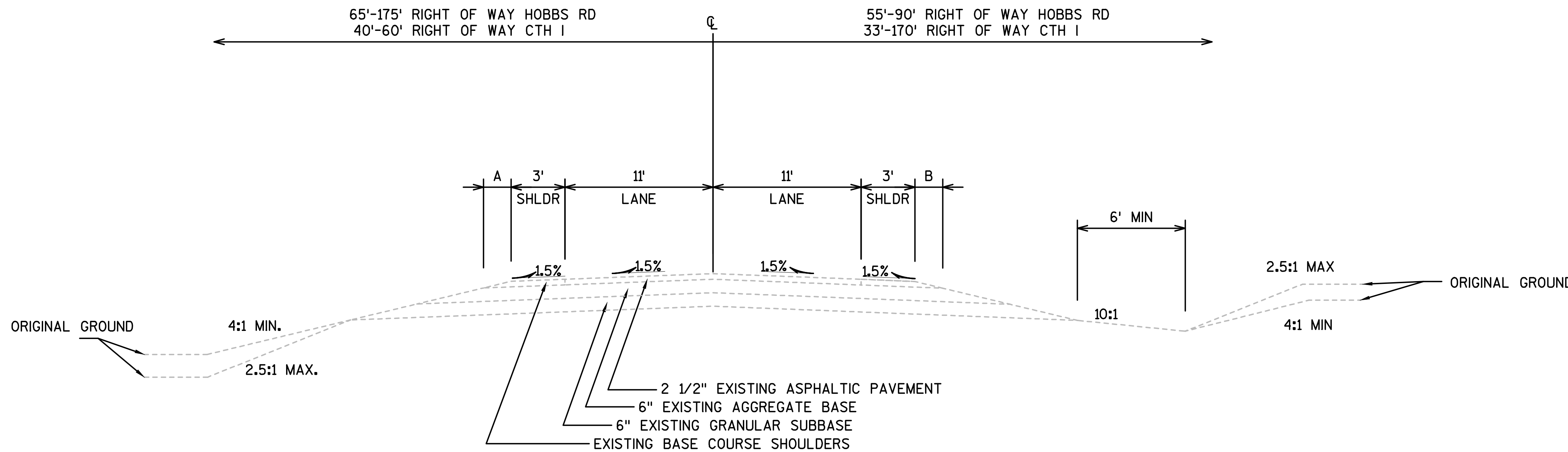
DETAILS OF INSTALLATION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS PLAN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, STANDARD DETAILS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

TYPICAL FINISHED SECTION SHOWS THE GENERAL ROADWAY FEATURES THROUGHOUT THE PROJECT. PAVEMENT, SLOPES, BORDER SLOPES, ETC., MAY VARY WITHIN THE STATION LIMITS OF THE STATION SECTION.

ASPHALTIC SURFACE SHALL BE CONSTRUCTED WITH A 2.5" LOWER LAYER AND A 2.0" UPPER LAYER.

LIST OF STANDARD ABBREVIATIONS

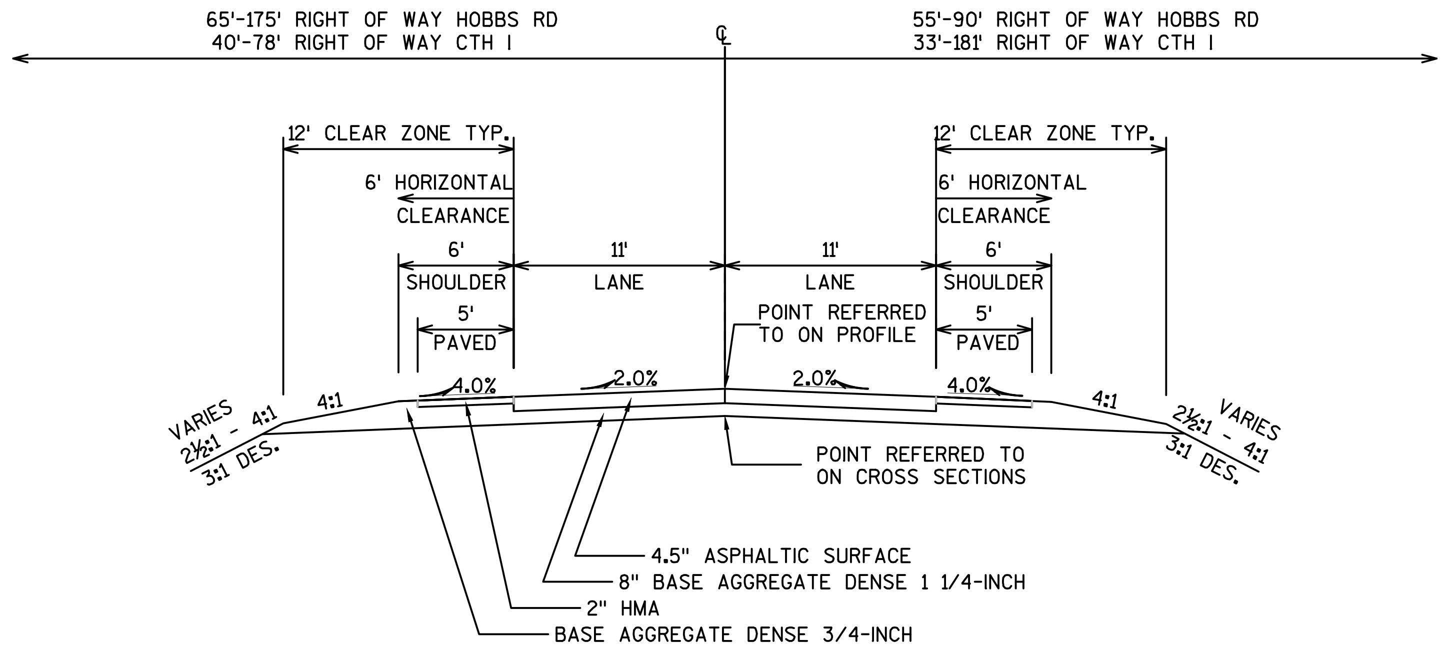
ABUT.	ABUTMENT
AGG.	AGGREGATE
AH.	AHEAD
APPROX.	APPROXIMATE
A.E.W.	APRON ENDWALL
ASPH.	ASPHALTIC
A.D.T.	AVERAGE DAILY TRAFFIC
AZ.	AZIMUTH
BK.	BACK
BEG.	BEGIN
B.M.	BENCH MARK
C/L	CENTER LINE
CONC.	CONCRETE
CONST.	CONSTRUCTION
CO.	COUNTY
C.T.H.	COUNTY TRUNK HIGHWAY
X-SEC.	CROSS SECTION
CR.	CRUSHED
CFS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



TYPICAL EXISTING SECTION

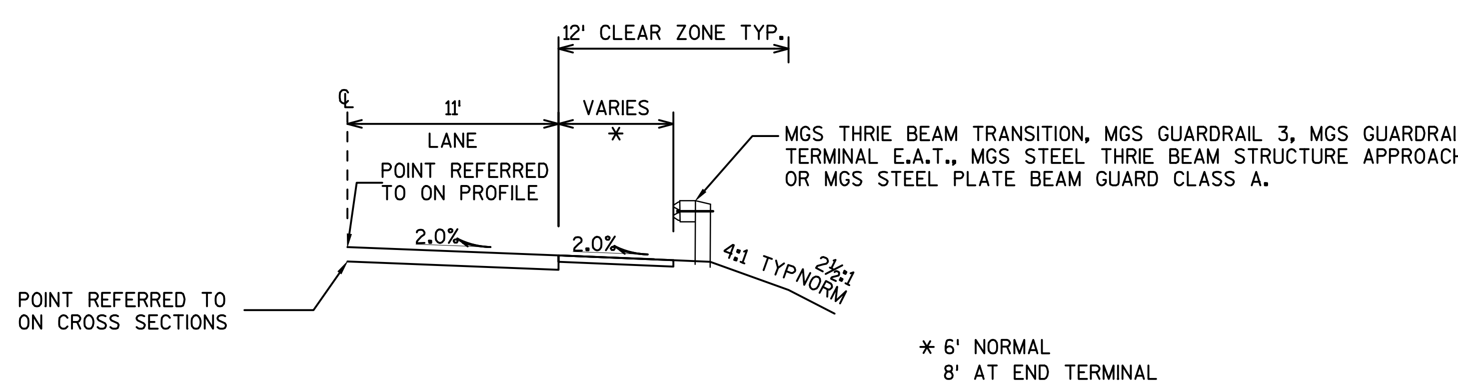
HOBBS ROAD STA 11'H+00 - STA 14'H+28.02
HOBBS ROAD STA 16'H+50.63 - STA 23'H+75.00
CTH I STA 13'I+66.37 - STA 19'I+29.38
CTH I STA 21'I+32.85 - STA 36'I+39.33

DEG. OF CURVE	SUPER.	A	B
TAN.	.015 '/, NC	0.55	0.55
5°00' LT	.06 '/, FT	1.10	0.67
7°00' RT	.06 '/, FT	0.67	11.10
7°00' LT	.06 '/, FT	1.10	0.67
8°00' RT	.06 '/, FT	0.67	1.10



TYPICAL FINISHED SECTION

HOBBS ROAD STA 11'H+00 - STA 14'H+21.31
HOBBS ROAD STA 16'H+52.31 - STA 23'H+75.00
CTH I STA 13'I+66.17 - STA 19'I+15.63
CTH I STA 21'I+28.38 - STA 36'I+39.33



TYPICAL FINISHED HALF SECTION WITH BEAM GUARD

PROJECT NO: 1021-03-74	HWY: IH 94	COUNTY: EAU CLAIRE	TYPICAL SECTIONS HOBBS ROAD & CTH I	SHEET _____	E

TRANSPORTATION PROJECT PLAT NO: 1021-03-24 - 4.01

LOCATED IN PART OF LOT 1 OF CSM NO. 761, VOL. 4, PAGE 79 & 80, LOCATED IN AND INCLUDING THE SW 1/4 - SE 1/4, AND LOCATED IN PART OF THE SE 1/4 - SE 1/4 AND PART OF THE SE 1/4 - SW 1/4; ALL LOCATED IN SECTION 6, AND PART THE NW 1/4 OF THE NE 1/4 AND PART OF LOT 1 OF CSM NO. 1051, VOL. 5, PAGE 305, LOCATED IN AND INCLUDING THE NE 1/4 - NW 1/4 OF SECTION 7; ALL LOCATED IN TOWNSHIP 26 NORTH, RANGE 8 WEST, TOWN OF WASHINGTON, EAU CLAIRE COUNTY, WISCONSIN

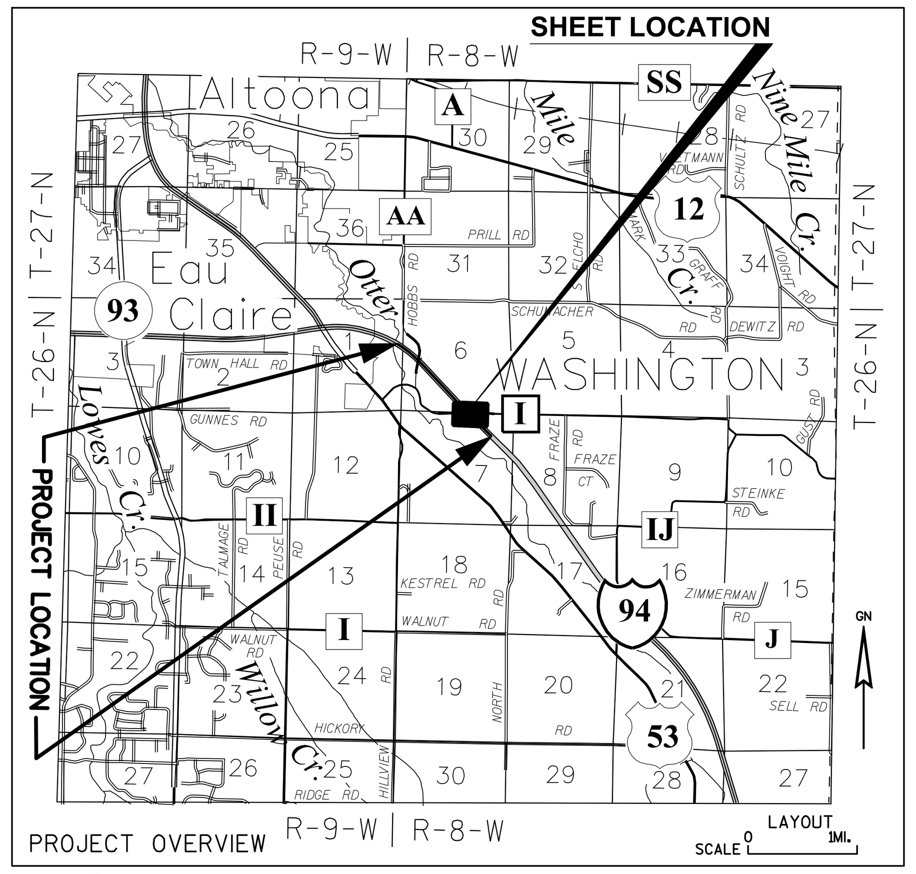
RELOCATION ORDER IH 94 EAU CLAIRE - OSSEO (HOBBS RD B-18-0210/CTH I B-18-0232) EAU CLAIRE COUNTY

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.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1021-03-24 - 4.01
SHEET 1 OF 2
AMENDMENT NO:___

SHEET LOCATION



SCHEDULE OF LANDS AND INTERESTS REQUIRED		OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT				
PARCEL NUMBER	OWNERS	INTEREST REQUIRED	R/W S.F. REQUIRED			TLE S.F. REQUIRED
			NEW	EXISTING	TOTAL	
1	Marion Brown	TLE	-	-	-	452
2	Mary Dehnke	FEE, TLE	11,918	-	11,918	9,539
3	Susan White	FEE, TLE	8,262	-	8,262	1,262
4	Diane K. & Donald L. Brott	TLE	-	-	-	1,888
5	Patrick L. & Michelle E. Lindner	TLE	-	-	-	2,401

SECTION COURSE TABLE		
COURSE	BEARING	DISTANCE
2-1	N 00°49'19" E	2864.34'
1-6	N 89°58'25" E	2391.00'
6-4	S 03°02'04" E	5467.32'
4-3	S 89°06'30" W	2760.34'
4-8	S 00°04'21" W	2655.77'
3-2	N 00°50'09" E	2637.75'
2-7	N 89°03'16" E	5217.14'
7-5	S 02°59'57" E	2651.42'
5-4	S 89°17'10" W	2633.84'
4-201	N 03°02'04" W	110.68'
4-222	N 03°02'04" W	56.13'

UTILITY EASEMENT INFORMATION			
UTILITY #	PARCEL #	COMPANY NAME	RECORDING DATA
100	1	EAU CLAIRE ENERGY COOPERATIVE	DOC. #776037 DOC. #842424
100	3	EAU CLAIRE ENERGY COOPERATIVE	DOC. #1030765
100	4	EAU CLAIRE ENERGY COOPERATIVE	DOC. #842426
100	5	EAU CLAIRE ENERGY COOPERATIVE	DOC. #464573 DOC. #842427 DOC. #968725

UTILITY INTERESTS REQUIRED		
UTILITY #	OWNER(S)	INTEREST REQUIRED
100	EAU CLAIRE ENERGY COOPERATIVE	RELEASE OF RIGHTS

BASIS OF EXISTING R/W TABLE				
ROAD NAME	PROJECT / SURVEY	P=PARCEL L=LOT NO.	VOL./PAGE	YEAR
IH-94 & CTH I	I94-2(3)71	3	277/126	1965
IH-94 & CTH I	I94-2(3)71	4	273/563	1965
IH-94 & CTH I	I94-2(3)71	5	273/561	1965
IH-94 & CTH I	I94-2(3)71	8	258/300	1963
IH-94 & CTH I	I94-2(3)71	9	260/547	1963

EXISTING MONUMENTS			
Point #	Y	X	DESCRIPTION
430	258477.063	365982.278	1" IRON PIPE
434	258805.424	366624.414	1" IRON PIPE
435	258784.412	366558.359	1" IRON PIPE
436	258831.322	366937.880	1" IRON PIPE

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
201-202	N 62°50'53" E	201.94'
202-203	N 72°58'44" E	313.59'
203-204	N 70°25'12" E	101.60'
204-205	N 82°05'58" E	60.33'
205-206	CURVE	
206-207	S 74°07'55" E	108.21'
207-208	CURVE	
208-209	S 70°54'56" E	66.33'
209-210	S 62°14'05" E	157.19'
210-211	CURVE	
211-212	S 71°35'42" E	32.94'
212-213	S 11°12'36" E	46.84'
216-217	S 70°25'12" W	256.52'
217-218	S 4°01'58" W	168.70'
218-219	S 88°17'34" W	553.47'
219-220	N 3°03'56" E	83.29'
220-221	N 1°42'26" W	10.00'
221-201	CURVE	
222-201	N 03°02'04" W	54.55'

STATION & OFFSET TABLE TO CTH "I" ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
201	16+25.64	53.47' LT	258591.573	365976.343
202	18+30.48	84.00' LT	258683.727	366156.025
203	21+43.76	70.00' LT	258775.522	366455.878
204	22+45.36	70.00' LT	258809.569	366551.600
205	23+00.00	60.00' LT	258817.862	366611.356
206	25+50.00	60.00' LT	258843.562	366879.358
207	26+50.10	45.65' LT	258813.975	366983.443
208	28+35.24	45.12' LT	258748.138	367168.194
209	29+00.00	55.00' LT	258726.450	367230.883
210	30+57.19	55.00' LT	258653.224	367369.972
211	33+99.79	55.00' LT	258567.960	367675.160
212	34+33.54	45.84' LT	258557.559	367706.418
213	34+43.50	0.00'	258511.609	367715.525
214	30+57.19	0.00'	258604.556	367344.350
215	28+48.47	0.00'	258701.787	367159.664
216	22+45.36	0.00'	258743.617	366575.059
217	19+88.84	0.00'	258657.652	366333.375
218	19+21.27	154.57' RT	258489.375	366321.511
219	13+99.08	31.77' RT	258472.884	365768.284
220	14+08.65	50.98' LT	258556.054	365772.739
221	14+09.02	60.97' LT	258566.050	365772.441
222	16+14.61	0.00'	258537.104	365979.231
TLE250	16+00.97	54.35' LT	258586.708	365953.343

STATION & OFFSET TABLE TO CTH "I" ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
TLE251	16+37.54	95.07' LT	258634.630	365976.323
TLE252	16+58.09	92.73' LT	258637.518	365995.086
TLE253	16+81.16	63.76' LT	258616.052	366024.072
TLE254	22+59.51	66.96' LT	258811.738	366567.228
TLE255	22+94.84	156.33' LT	258909.105	366579.914
TLE256	23+10.47	156.42' LT	258914.134	366598.215
TLE257	23+40.81	60.00' LT	258828.312	366654.264
TLE258	24+34.60	60.00' LT	258843.138	366754.603
TLE259	24+60.34	123.98' LT	258908.851	366779.379
TLE260	24+77.82	123.59' LT	258909.179	366799.819
TLE261	25+05.01	60.00' LT	258845.744	366830.725
TLE262	27+79.94	45.30' LT	258772.703	367114.870
TLE263	28+05.74	84.49' LT	258797.511	367156.213
TLE264	28+24.31	77.45' LT	258782.371	367171.898
TLE265	28+24.62	45.15' LT	258753.171	367158.097
TLE266	16+47.86	67.58' RT	258480.679	366029.766
TLE267	16+07.50	116.75' RT	258421.995	366000.134
TLE268	15+86.47	111.64' RT	258421.670	365976.421
TLE269	15+81.35	52.14' RT	258478.543	365958.104
TLE270	14+57.09	34.89' RT	258474.666	365828.044
TLE271	14+52.79	60.23' RT	258448.997	365826.266
TLE272	14+01.72	60.53' RT	258444.335	365772.676

CTH "I" R/L CURVE DATA
CURVE 4
PI = 15+45.74
Y = 258508.171
X = 365913.116
Δ = 18°00'10"
D = 5°03'36"
T = 179.37'
L = 355.79'
R = 1132.34'
LCH = 354.32'
LCB = N79°25'17"E
PC = 13+66.37
Y=258503.234
X=365733.813
PT = 17+22.16
Y=258568.282
X=366082.115

CURVE 221-201
L = 205.80'
LC = 205.49'
LCB = N82° 51' 55"E
R = 1086.28'

CURVE 205-206
L = 270.55'
LC = 269.23'
LCB = N84° 31' 20"E
R = 789.87'

CURVE 207-208
L = 196.66'
LC = 196.13'
LCB = S70° 23' 10"E
R = 771.78'

CURVE 210-211
L = 319.26'
LC = 316.87'
LCB = S74° 23' 26"E
R = 752.41'

BEGIN TPP PROJECT 1021-03-24
STA. 13+00.00"I", 0.00' RT. (CTH "I")
Y = 258501.407
X = 365667.464
=STA 13+00.00 (PROJECT I94-2(3)71)

END TPP PROJECT 1021-03-24
STA. 35+05.14"I", 0.00' RT. (CTH "I")
Y = 258511.231
X = 367777.165

STATION & OFFSET TABLE TO EB IH-94 ALIGNMENT				
POINT	STATION	OFFSET	Y COORDS	X COORDS
202	647+63.40	110.00' RT	258683.727	366156.025
203	649+04.61	170.00' LT	258775.522	366455.878
216	650+10.10	233.97' LT	258743.617	366575.059
217	649+04.94	0.00'	258657.652	366333.375
218	650+18.22	125.00' RT	258489.375	366321.511

IH-94 "WB" R/L CURVE DATA
CURVE 7
PI = 653+95.69
Y = 258344.859
X = 366716.253
Δ = 5°41'00"
D = 0°30'00"
T = 568.80'
L = 1136.67'
R = 11459.19'
LCH = 1136.20'
LCB = S46°37'26"E
PC = 648+26.89
Y=258755.519
X=366322.688
PT = 659+63.56
Y=257975.193
X=367148.552

CTH "I" R/L CURVE DATA
CURVE 5
PI = 25+65.33
Y = 258850.847
X = 366876.530
Δ = 47°20'43"
D = 7°51'00"
T = 319.97'
L = 603.11'
R = 729.87'
LCH = 586.10'
LCB = S85°54'26"E
PC = 22+45.36
Y=258743.617
X=366575.059
PT = 28+48.47
Y=258701.787
X=367159.664

CTH "I" R/L CURVE DATA
CURVE 6
PI = 32+54.11
Y = 258512.818
X = 367518.603
Δ = 27°24'48"
D = 7°05'46"
T = 196.93'
L = 386.31'
R = 807.41'
LCH = 382.64'
LCB = S75°56'29"E
PC = 30+57.19
Y=258604.556
X=367344.350
PT = 34+43.50
Y=258511.609
X=367715.525

QUEST
Civil Engineers, LLC
320 West Grand Avenue, Suite 302
Wisconsin Rapids, WI 54495
Office: 715-423-3525
Fax: 715-423-3597

I, KOLBY F. SCHERTZ PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

U:\Schertz,_PLS_WI_Seymour.png

SIGNATURE: ______________ DATE:3/27/2017
PRINT NAME: KOLBY F. SCHERTZ
REGISTRATION NUMBER: S-2862

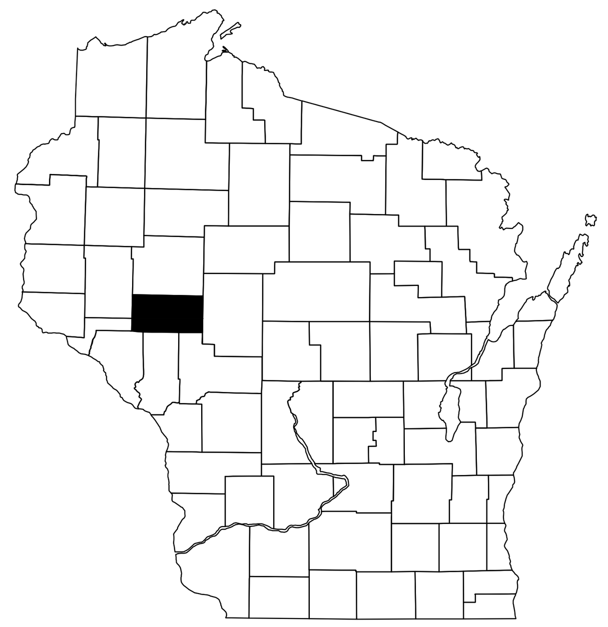
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION NORTHWEST REGION

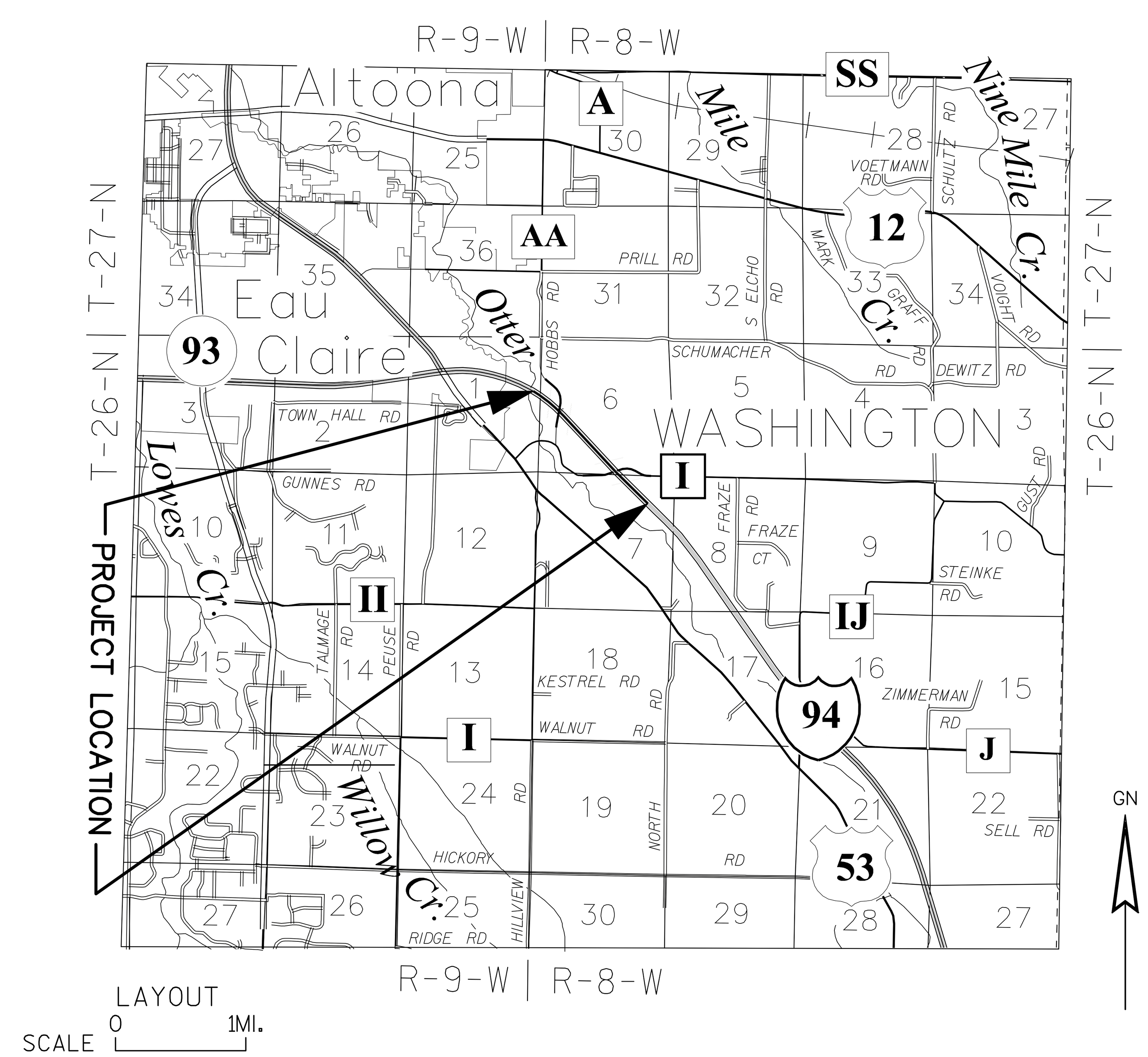
SIGNATURE: ______________ DATE:3/27/2017
PRINT NAME: MICHAEL PILLER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT NO. 1021-03-24
TOWN OF WASHINGTON
EAU CLAIRE - OSSEO

IH 94

EAU CLAIRE COUNTY





CONVENTIONAL SYMBOLS

SECTION LINE	SECTION CORNER	R/W MONUMENT
QUARTER LINE	NOTATION FOR COMBUSTIBLE FLUIDS (CAUTION)	NON-MONUMENTED R/W POINT
SIXTEENTH LINE	NOTATION FOR HIGH VOLTAGE TRANSMISSION LINES (CAUTION)	FOUND IRON MON.
NEW REFERENCE LINE	ELECTRIC POLE	VALVE (GAS, WATER, ETC.) (TYPE)
NEW R/W LINE	TELEPHONE POLE	SIGN
EXISTING R/W LINE	PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	OFF-PREMISE SIGN
PROPERTY LINE (P/L)	ACCESS CONTROLLED BY ACQUISITION	COMPENSABLE / NON-COMPENSABLE
LOT, TIE & OTHER MINOR LINES	NO ACCESS (BY STATUTORY AUTHORITY)	PARCEL NUMBER (25)
CORPORATE LIMITS	ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)	UTILITY NUMBER (40)
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) (TYPE)	BRIDGE	
FEE ACQUISITION AREA (HATCHING VARIES BY OWNER)	EXISTING MONUMENT NUMBER	
TEMPORARY LIMITED EASEMENT AREA	R/W BOUNDARY POINT NUMBER	
EASEMENT AREA (HIGHWAY, PERMANENT LIMITED, OR RESTRICTED DEVELOPMENT)		
TRANSMISSION STRUCTURES		
BUILDING		
NATIONAL GEODETIC SURVEY MONUMENT		
SIXTEENTH CORNER MONUMENT		
RIGHT OF WAY GUARD POST		

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RIGHT	RT
CENTERLINE	C/L	RIGHT OF WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC
CONCRETE	CONC	SEPTIC VENT	SEPV
COUNTY	CO	SQUARE FEET	SF
COUNTY TRUNK HIGHWAY	CTH	STATE TRUNK HIGHWAY	STH
DISTANCE	DIST	STATION	STA
CORNER	COR	SUBDIVISION	SUBD
DOCUMENT NUMBER	DOC	TANGENT	TAN
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV		
GRID NORTH	GN	TRANSPORTATION PROJECT PLAT	TPP
HIGHWAY EASEMENT	HE		
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		

CURVE DATA

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

CONVENTIONAL UTILITY SYMBOLS

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

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, EAU CLAIRE 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 1" X 24" IRON PIPES), 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.

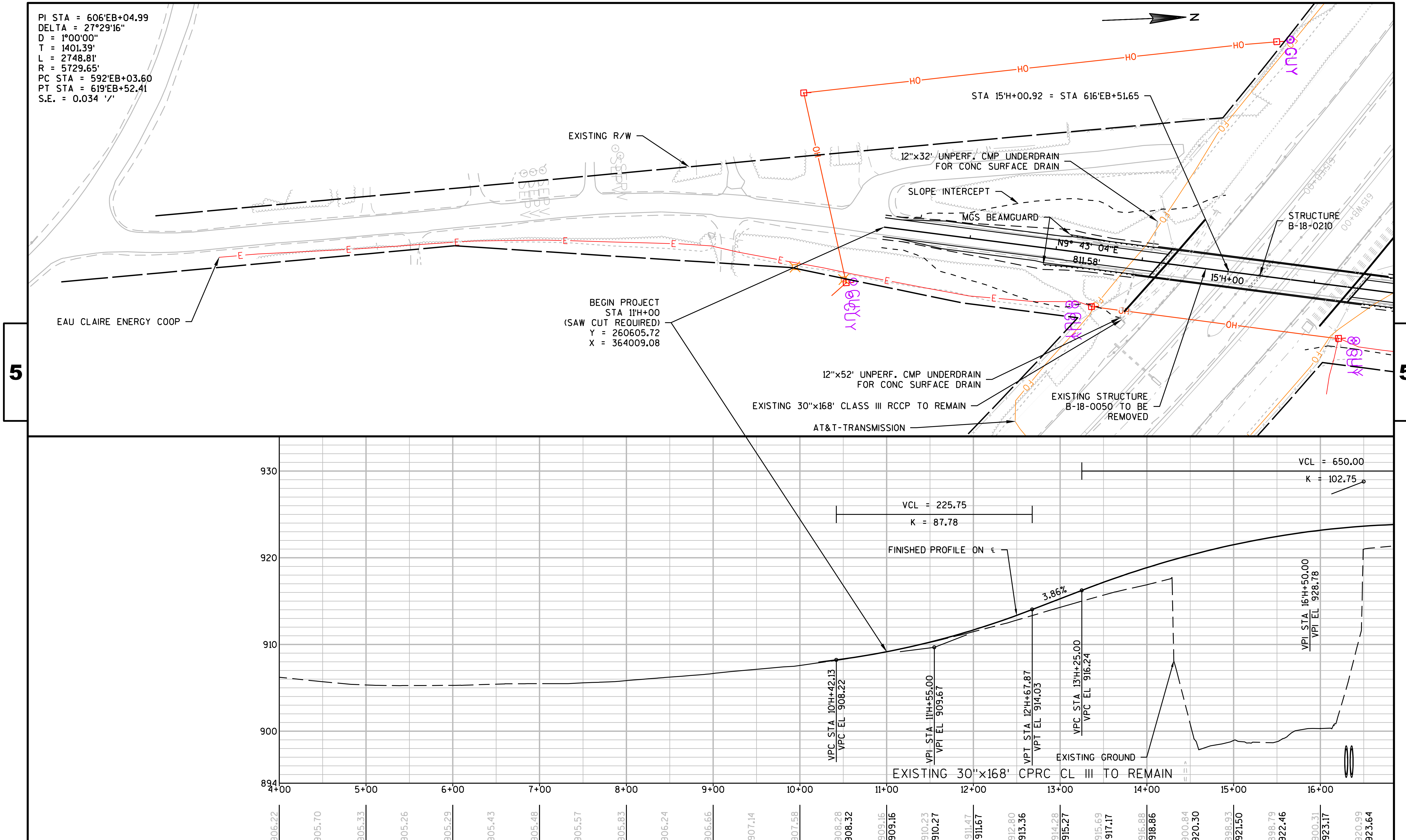
FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN EAU CLAIRE, WI.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE EAU CLAIRE COUNTY HIGHWAY DEPARTMENT FOR DRIVEWAYS ON C.T.H. "I".

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

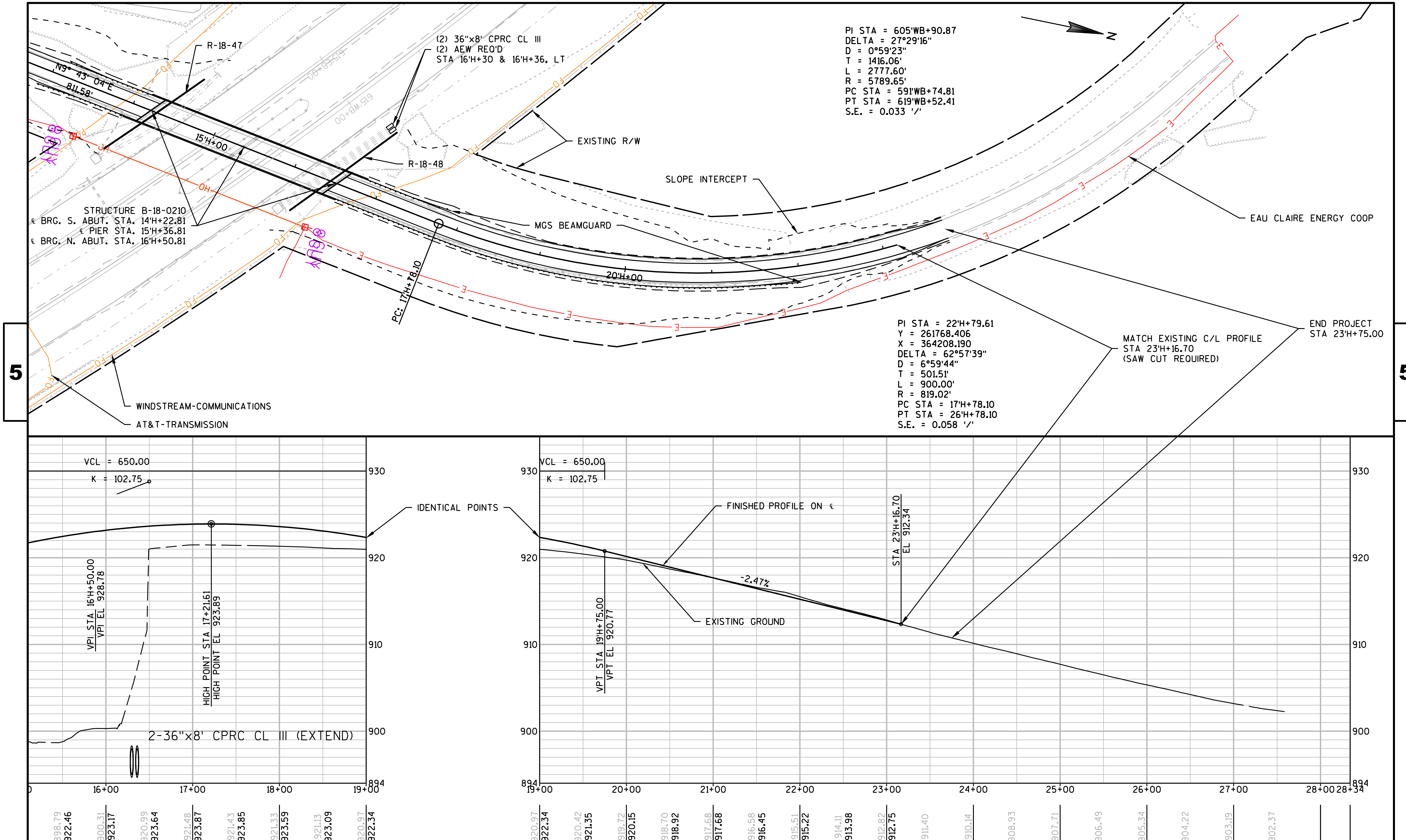
EXISTING ACCESS CONTROL ALONG IH-94 AND C.T.H. "I" HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT I-94-2(3)71
EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR IH-94 AND C.T.H. "I" ESTABLISHED FROM PREVIOUS PROJECT I-94-2(3)71

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1021-03-24 - 4.01
SHEET 2 OF 2
AMENDMENT NO:



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	PLAN AND PROFILE: HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\050101_PP12.13.2016.DWG
LAYOUT NAME - 0501011
PLOT DATE : 1/9/2017 4:27 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

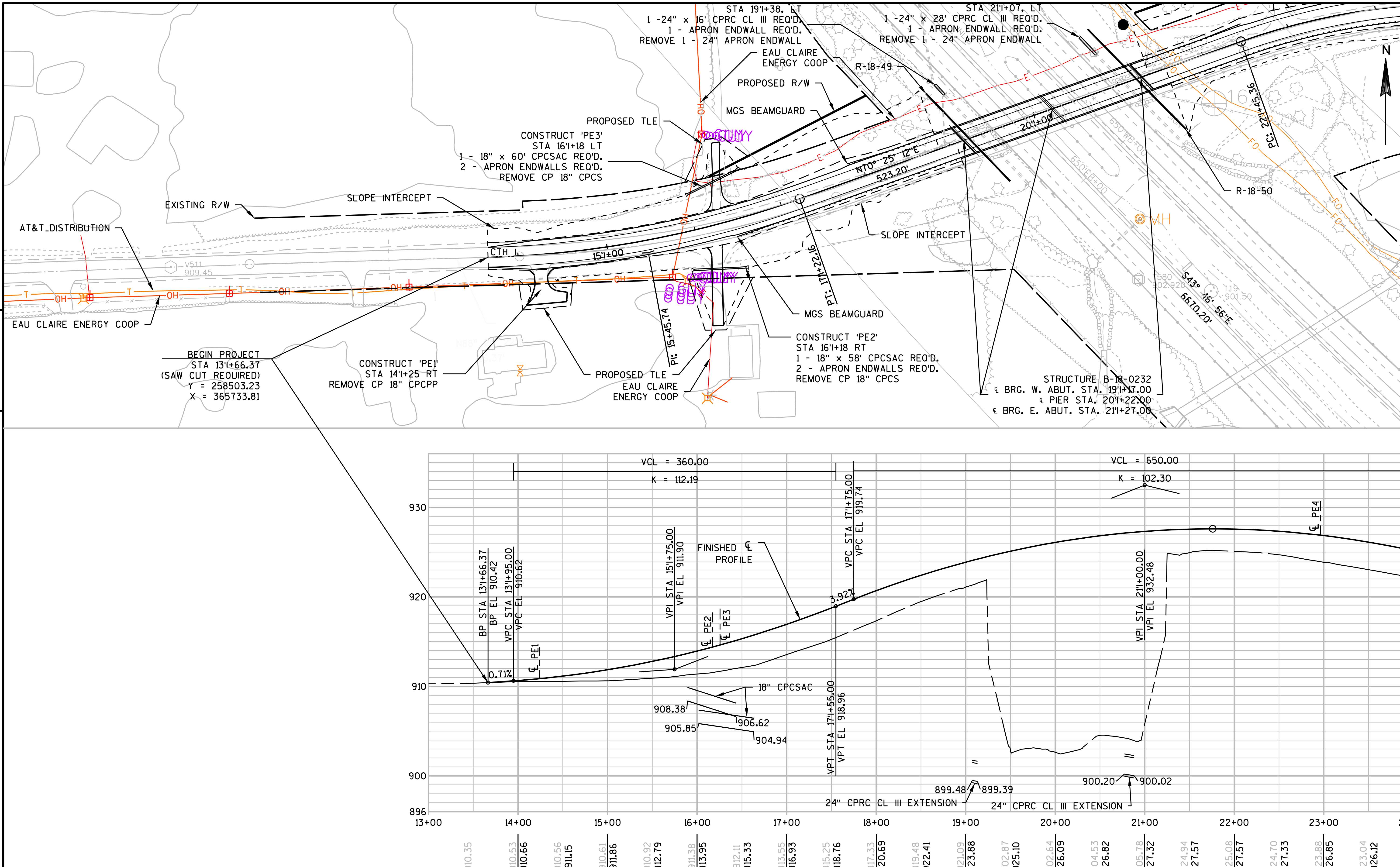


PROJECT NO:1021-03-74	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILE: HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\050101_PP12.13.2016.DWG
LAYOUT NAME - 0501012

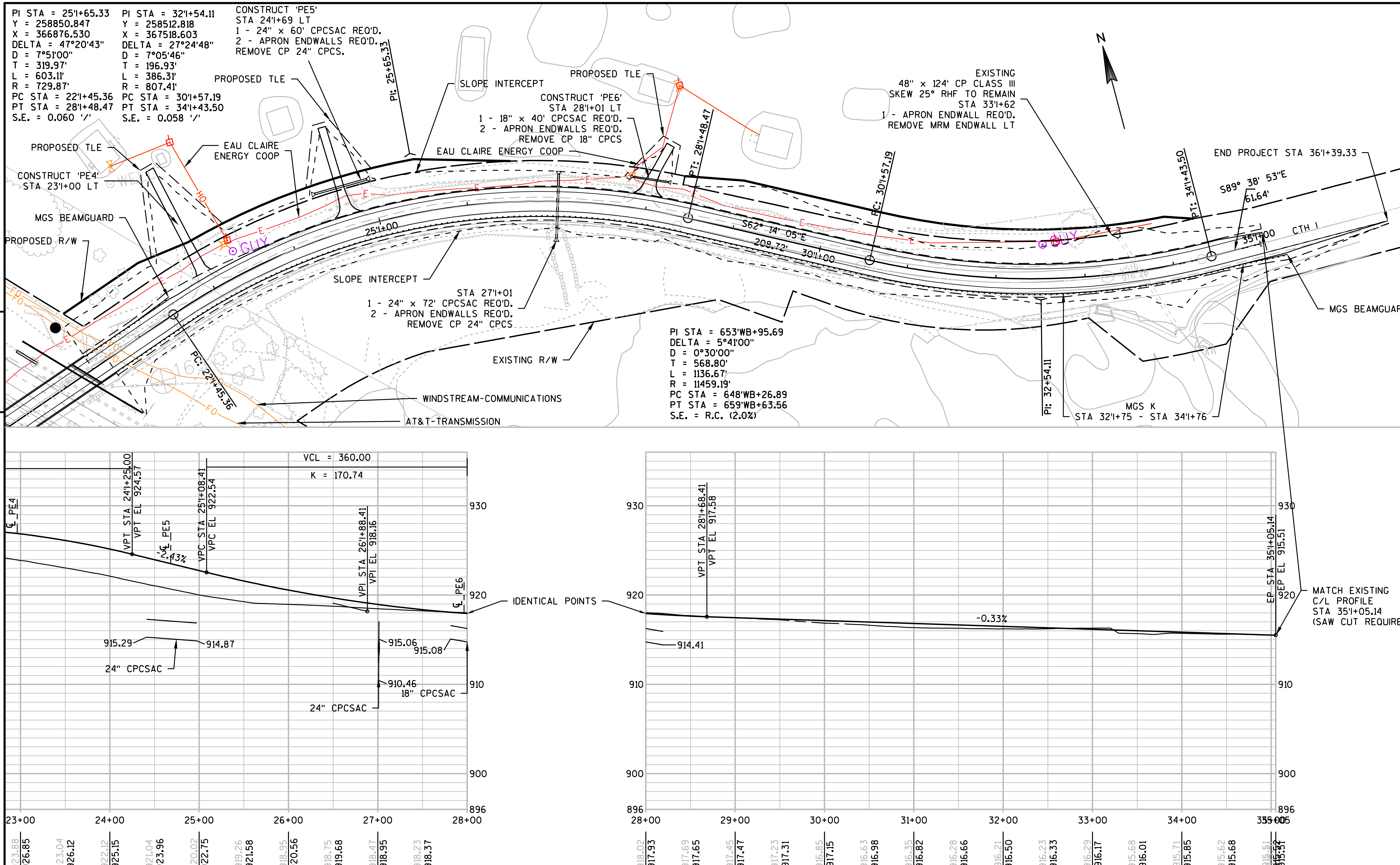
PLOT DATE : 1/9/2017 4:28 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO:1021-03-74	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILE: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\050201_PP12.16.2016 WITH NO PIPE NETWORKS.DWG
LAYOUT NAME - 022501
PLOT DATE : 3/9/2017 5:39 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41

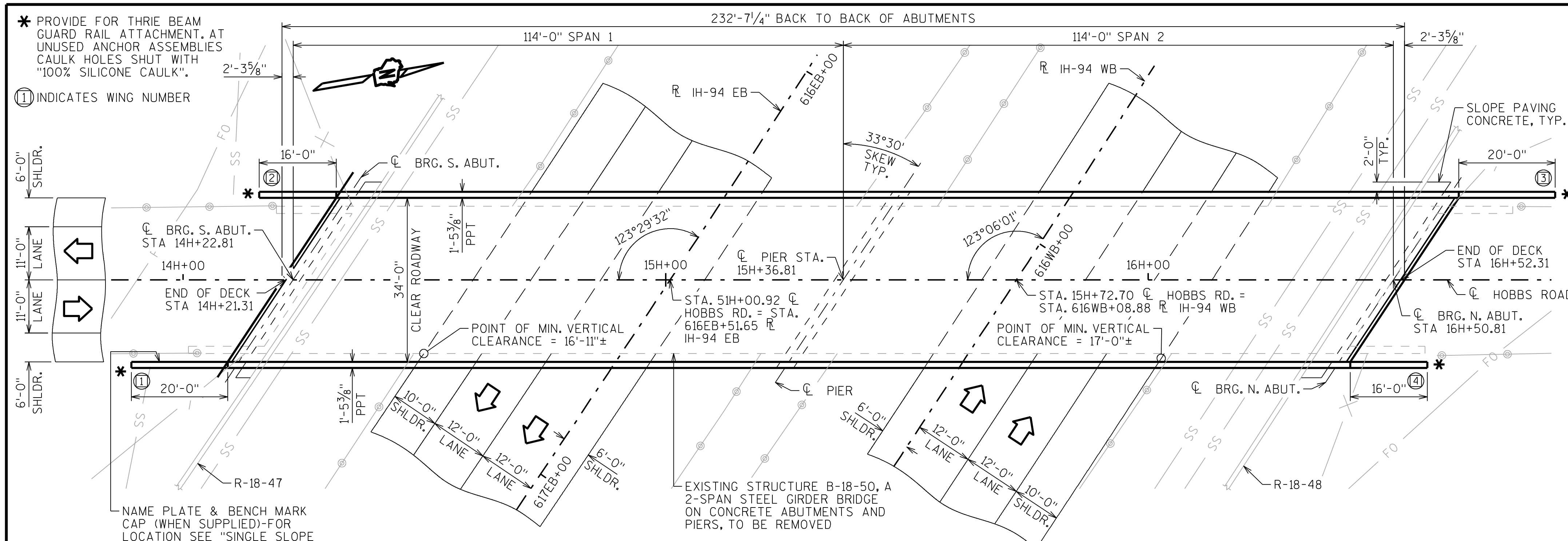


PROJECT NO:1021-03-74	HWY: IH 94	COUNTY: EAU CLAIRE	PLAN AND PROFILE: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\050201_PP12.16.2016 WITH NO PIPE NETWORKS.DWG
LAYOUT NAME - 022502
PLOT DATE : 3/9/2017 5:39 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 41

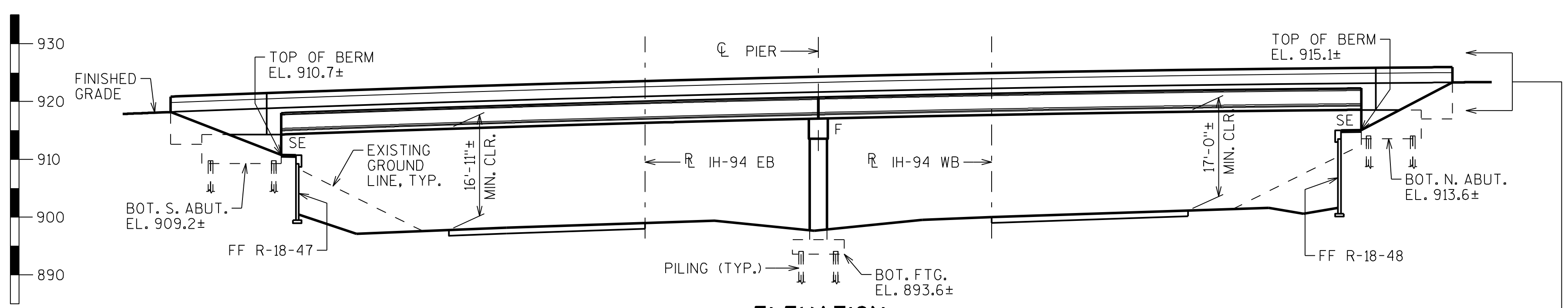
STATE PROJECT NUMBER

1021-03-74



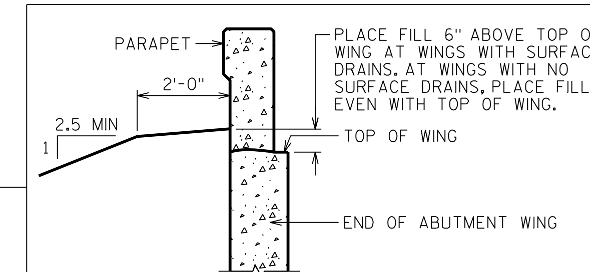
PLAN

2 SPAN - 45W" PRESTRESSED GIRDERS

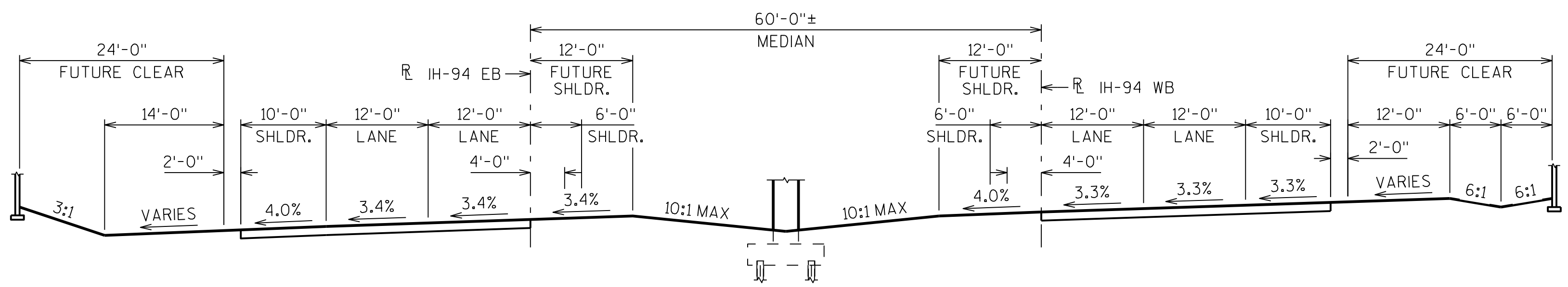


ELEVATION

NORMAL TO IH-94

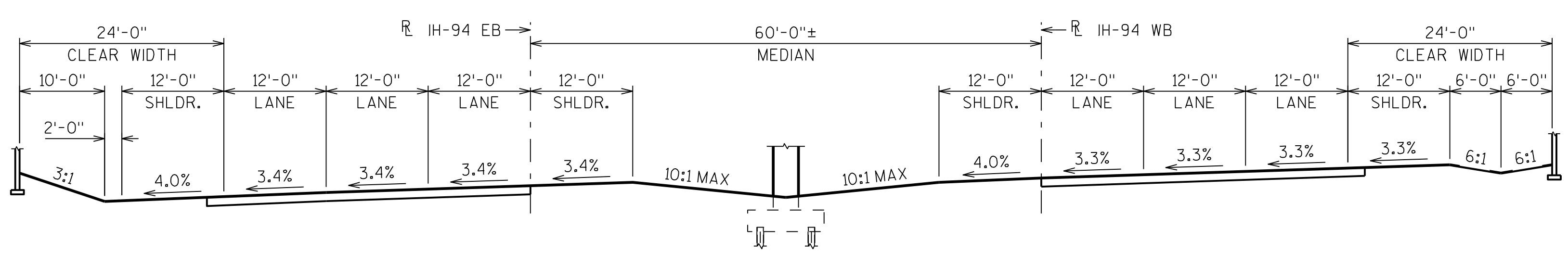


TYPICAL FILL SECTION AT WING TIPS



TYP. FINISHED SECTION THRU IH-94

(LOOKING WEST)



TYP. FUTURE SECTION THRU IH-94

(LOOKING WEST)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF =
OPERATING RATING FACTOR: RF =
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGN FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
DECK ——— f'c = 4,000 P.S.I.
ALL OTHER ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 ——— fy = 60,000 P.S.I.

45W" PRESTRESSED GIRDERS:
CONCRETE MASONRY ——— f'c = P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LONG.

PIER TO BE SUPPORTED ON PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LONG.

✱✱ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

HOBBS ROAD

ADT = 575 (2038)
R.D.S. = 50 M.P.H.

IH-94

ADT = 35,300 (2042)
R.D.S. = 70 M.P.H.

CURVE DATA

IH-94 EB

P.I. = 606EB+04.99
Δ = 27°29'16"
D = 1°00'00"
T = 1401.39'
L = 2748.81'
R = 5729.65'
S.E. = 3.40%
P.C. = 592EB+03.60
P.T. = 619EB+52.41

IH-94 WB

P.I. = 605WB+90.87
Δ = 27°29'16"
D = 0°59'23"
T = 1416.06'
L = 2777.60'
R = 5789.65'
S.E. = 3.30%
P.C. = 591WB+74.81
P.T. = 619WB+52.41

STRUCTURE DESIGN CONTACTS:

LAURA SHADEWALD (608) 267-9592
DANIELLE DE TENNIS (608) 266-8689

PRELIMINARY PLAN

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT**
BUREAU OF STRUCTURES

ACCEPTED
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-18-210

HOBBS ROAD OVER IH-94

COUNTY EAU CLAIRE | TOWN/~~CITY/VILLAGE~~ WASHINGTON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY DFD | DESIGN CK'D. JLR | DRAWN BY DFD | PLANS CK'D. JLR

GENERAL PLAN

SHEET 1 OF 2

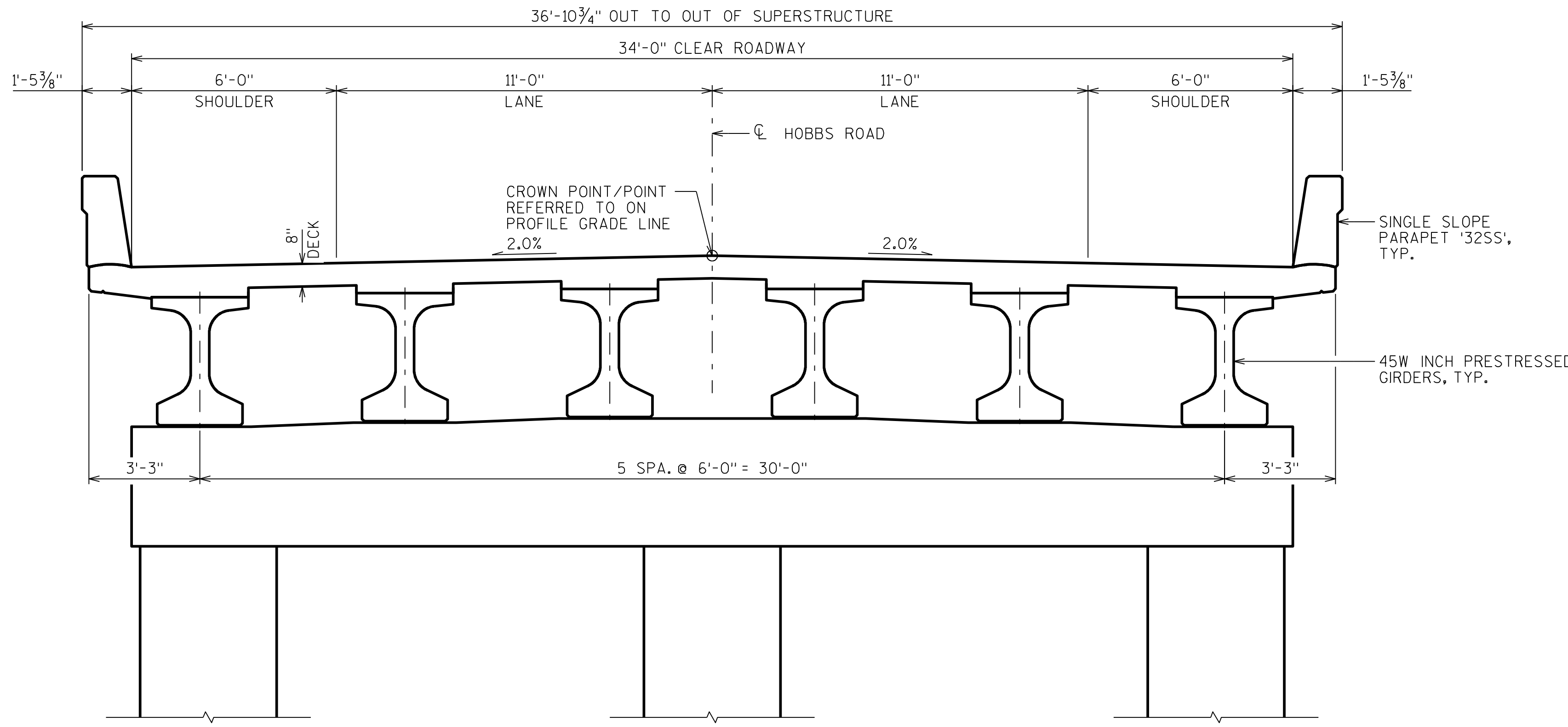
SCALE = 14

8

8

I.D. 1021-03-04A

DATE: JULY 2016



CROSS SECTION THRU ROADWAY

LOOKING NORTH

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE QUANTITY FOR BACKFILL STRUCTURE TYPE A, BID ITEM 210.1500, IS CALCULATED BASED ON THE APPLICABLE FIGURES 12.6-1 AND 12.6-2 IN THE WISCONSIN DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE.

PIGMENTED PROTECTIVE SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON WINGS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

AT ABUTMENTS, HP 12X53 STEEL PILING MAY BE USED IN LIEU OF HP 10X42 STEEL PILING. PAYMENT SHALL BE BASED ON BID PRICE FOR HP 10X42 STEEL PILING.

THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "45W PRESTRESSED GIRDER DETAILS 2" SHEET.

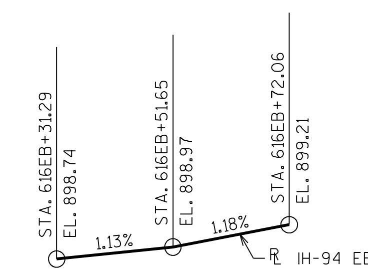
THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

STATE PROJECT NUMBER

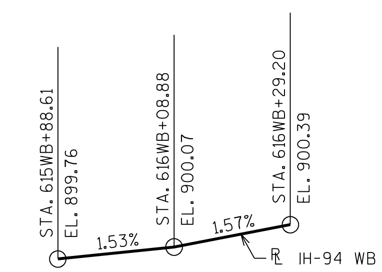
1021-03-74

TOTAL ESTIMATED QUANTITIES

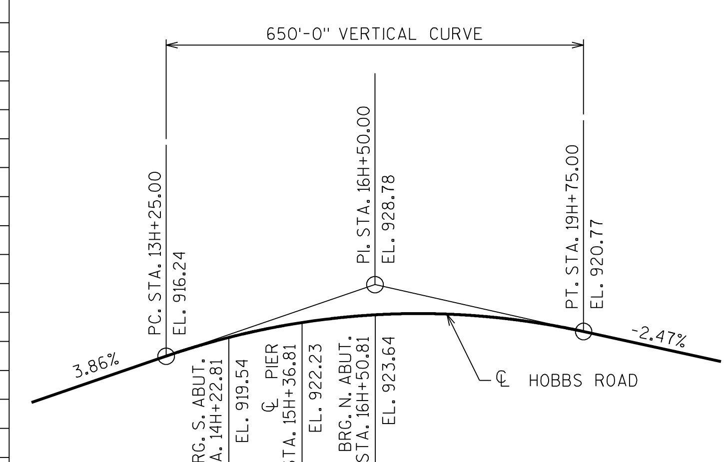
BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	SOUTH ABUT.	PIER 1	NORTH ABUT.	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 15H+37	LS	—	—	—	—	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-18-210	LS	—	—	—	—	1
210.1500	BACKFILL STRUCTURE TYPE A	TON					
502.0100	CONCRETE MASONRY BRIDGES	CY					
502.3200	PROTECTIVE SURFACE TREATMENT	SY					
502.3210	PIGMENTED SURFACE SEALER	SY					
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF					
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB					
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB					
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH					
506.4000	STEEL DIAPHRAGMS B-18-210	EACH					
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY					
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF					
604.0400	SLOPE PAVING CONCRETE	SY					
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF					
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH					
	NON-BID ITEMS						
	FILLER	SIZE	—	—	—	—	½", ¾", 1½"



PROFILE GRADE LINE - IH-94 EB



PROFILE GRADE LINE - IH-94 WB



PROFILE GRADE LINE - HOBBS ROAD

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-210

DRAWN BY DFD | PLANS CK'D. JLR

CROSS SECTION & QUANTITIES

SHEET 2

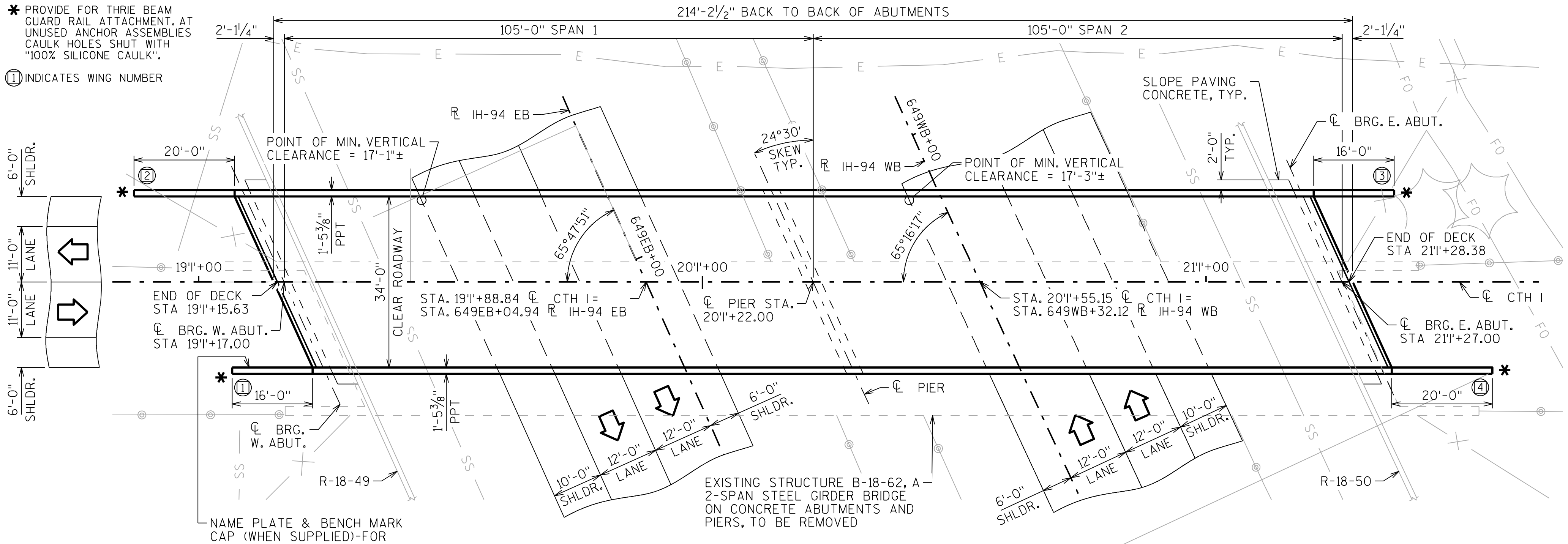
8

8

SCALE = 2.5

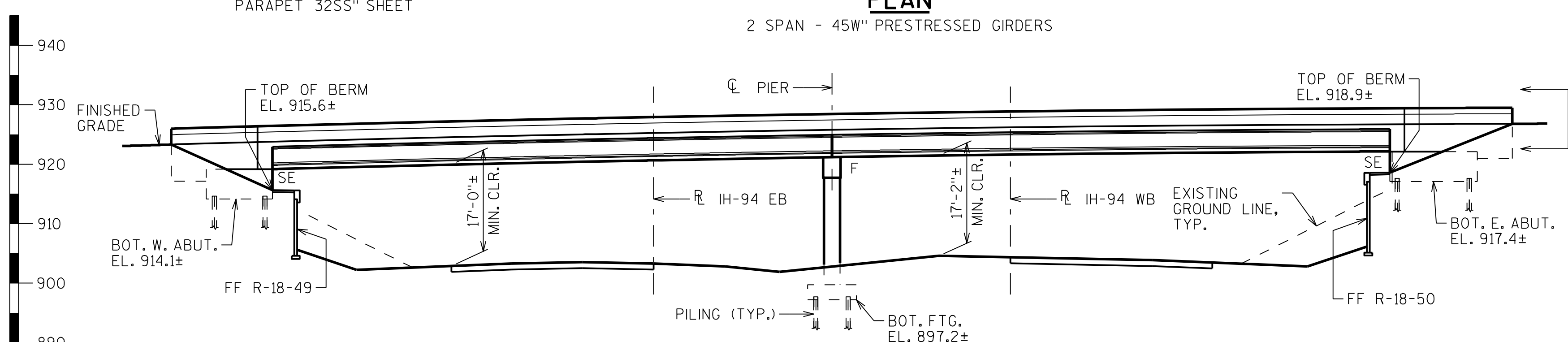
✱ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT. AT UNUSED ANCHOR ASSEMBLIES CAULK HOLES SHUT WITH "100% SILICONE CAULK".

(1) INDICATES WING NUMBER



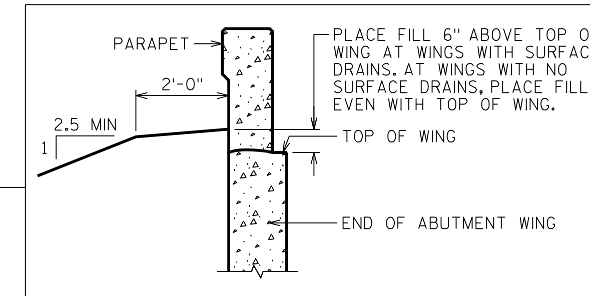
PLAN

2 SPAN - 45W" PRESTRESSED GIRDERS

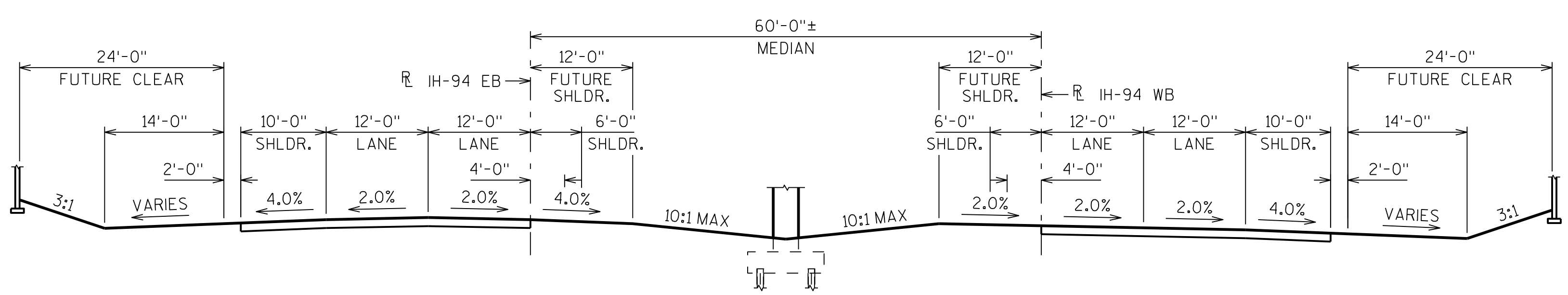


ELEVATION

NORMAL TO IH-94

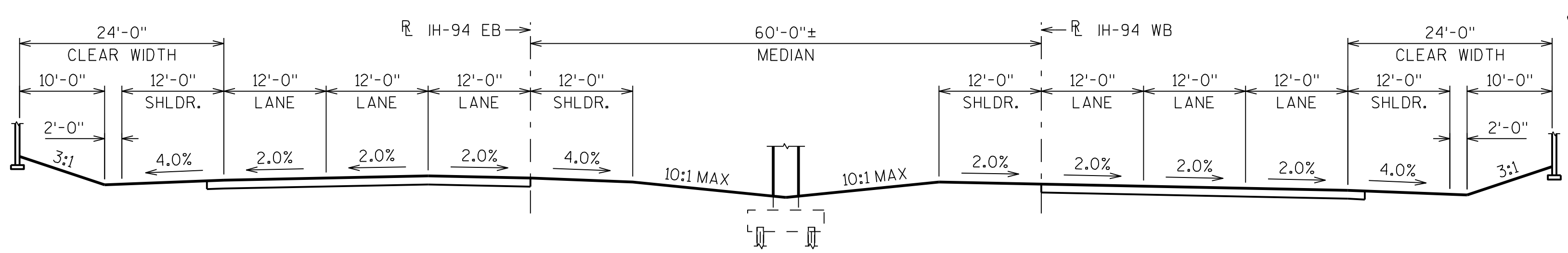


TYPICAL FILL SECTION AT WING TIPS



TYP. FINISHED SECTION THRU IH-94

(LOOKING NORTH)



TYP. FUTURE SECTION THRU IH-94

(LOOKING NORTH)

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF =
OPERATING RATING FACTOR: RF =
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): (KIPS)

STRUCTURE IS DESIGN FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
DECK — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.

45W" PRESTRESSED GIRDERS:
CONCRETE MASONRY — f'c = P.S.I.
STRANDS: 0.6" DIA. WITH ULTIMATE TENSILE STRENGTH OF 270,000 P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LONG.

PIER TO BE SUPPORTED ON PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF TONS ✱✱ PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED LONG.

✱✱ THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

CTH I

ADT = 450 (2038)
R.D.S. = 45 M.P.H.

IH-94

ADT = 35,300 (2042)
R.D.S. = 70 M.P.H.

CURVE DATA

IH-94 WB

P.I. = 653WB+95.69
Δ = 5°41'00"
D = 0°30'00"
T = 568.80'
L = 1136.67'
R = 11459.19'
S.E. = 2.00%
P.C. = 648WB+26.89
P.T. = 659WB+63.56

STRUCTURE DESIGN CONTACTS:

LAURA SHADEWALD (608) 267-9592
DANIELLE DE TENNIS (608) 266-8689

PRELIMINARY PLAN

LIST OF DRAWINGS

1. GENERAL PLAN
2. CROSS SECTION & QUANTITIES
3. SUBSURFACE EXPLORATION
4.
5.
6.
7.
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9.
10.
11.
12.
13.
14.
15.

STATE PROJECT NUMBER
1021-03-74

NO.	DATE	REVISION	BY

Plans Prepared By WISDOT BUREAU OF STRUCTURES

ACCEPTED
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE B-18-232

CTH I OVER IH-94

COUNTY EAU CLAIRE | TOWN/~~CITY/VILLAGE~~ WASHINGTON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY DFD | DESIGN CK'D. JLR | DRAWN BY DFD | PLANS CK'D. JLR

GENERAL PLAN

SHEET 1 OF 2

SCALE = 14

8

8

I.D. 1021-03-04B

DATE: JULY 2016

STATE PROJECT NUMBER

1021-03-74

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.

THE QUANTITY FOR BACKFILL STRUCTURE TYPE A, BID ITEM 210.1500, IS CALCULATED BASED ON THE APPLICABLE FIGURES 12.6-1 AND 12.6-2 IN THE WISCONSIN DEPARTMENT OF TRANSPORTATION BRIDGE MANUAL.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE ENTIRE TOP OF DECK SURFACE.

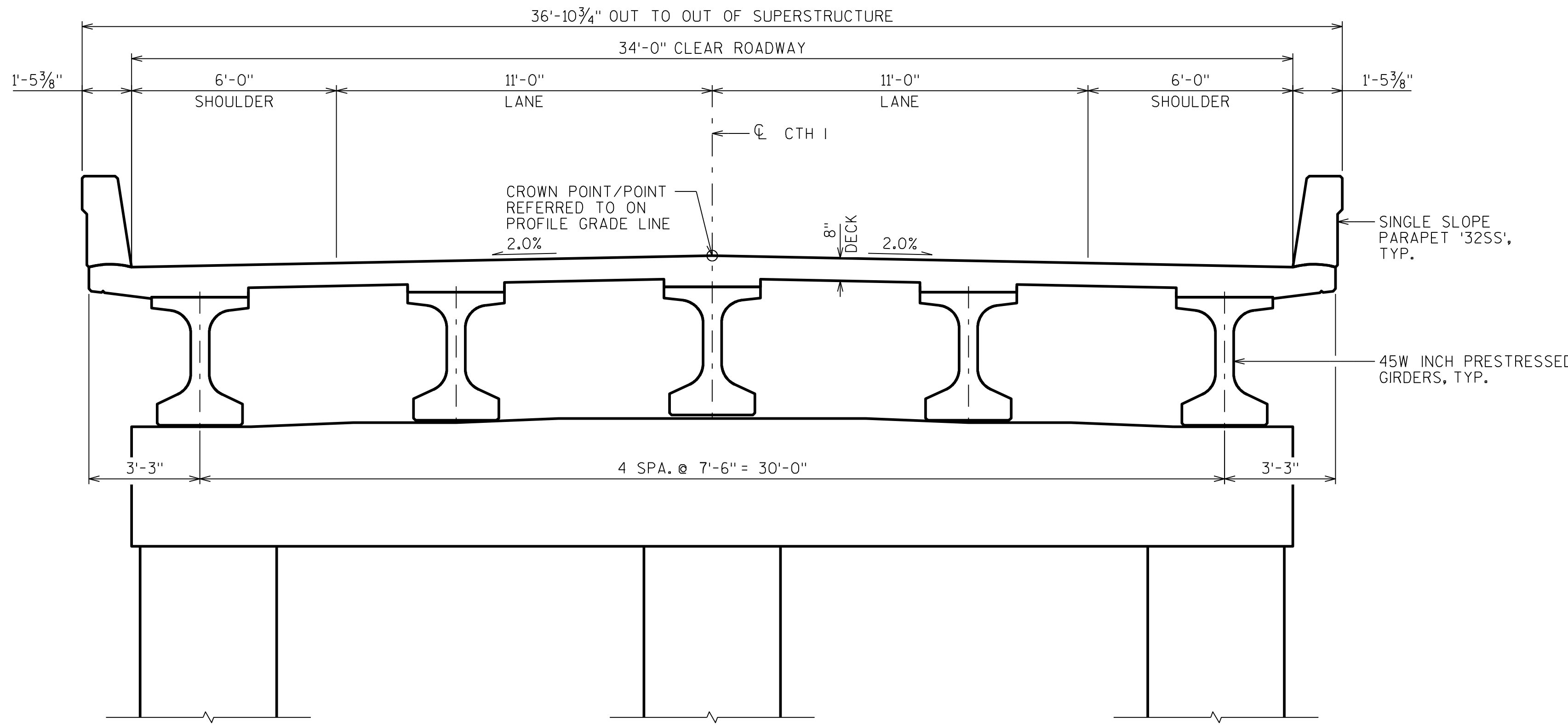
PIGMENTED PROTECTIVE SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND THE TOP OF THE PARAPETS, INCLUDING PARAPETS ON WINGS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING MATERIAL TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

AT ABUTMENTS, HP 12X53 STEEL PILING MAY BE USED IN LIEU OF HP 10X42 STEEL PILING. PAYMENT SHALL BE BASED ON BID PRICE FOR HP 10X42 STEEL PILING.

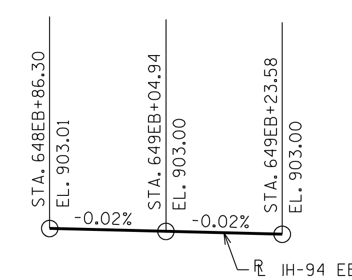
THE HAUNCH CONCRETE QUANTITY IS BASED ON THE AVERAGE HAUNCH SHOWN ON THE "45W PRESTRESSED GIRDER DETAILS 2" SHEET.

THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIERS.

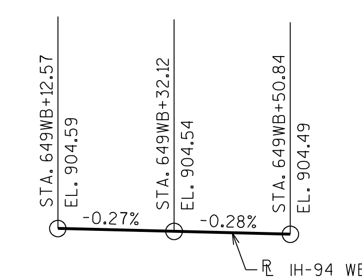


CROSS SECTION THRU ROADWAY

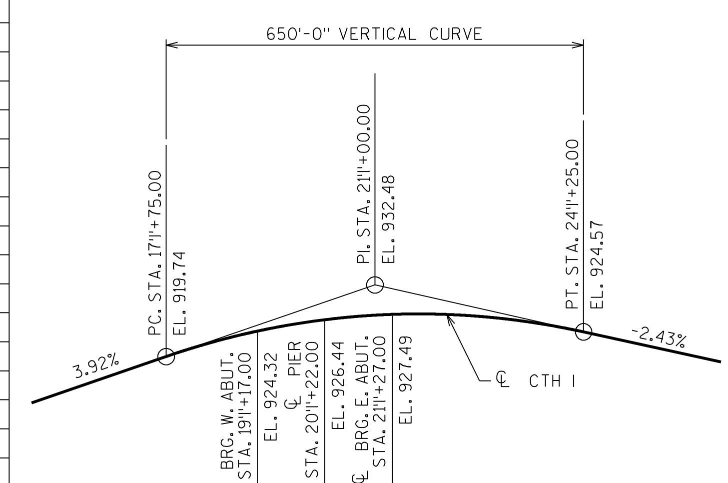
LOOKING EAST



PROFILE GRADE LINE - IH-94 EB



PROFILE GRADE LINE - IH-94 WB



PROFILE GRADE LINE - CTH I

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	WEST ABUT.	PIER 1	EAST ABUT.	TOTALS
203.0200	REMOVING OLD STRUCTURE STA. 21'I'+24	LS	—	—	—	—	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-18-232	LS	—	—	—	—	1
210.1500	BACKFILL STRUCTURE TYPE A	TON					
502.0100	CONCRETE MASONRY BRIDGES	CY					
502.3200	PROTECTIVE SURFACE TREATMENT	SY					
502.3210	PIGMENTED SURFACE SEALER	SY					
503.0146	PRESTRESSED GIRDER TYPE I 45W-INCH	LF					
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB					
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB					
506.2605	BEARING PADS ELASTOMERIC NON-LAMINATED	EACH					
506.4000	STEEL DIAPHRAGMS B-18-232	EACH					
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY					
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF					
604.0400	SLOPE PAVING CONCRETE	SY					
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF					
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH					
	NON-BID ITEMS						
	FILLER	SIZE	—	—	—	—	1/2", 3/4", 1 1/2"

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE B-18-232

DRAWN BY DFD PLANS CK'D. JLR

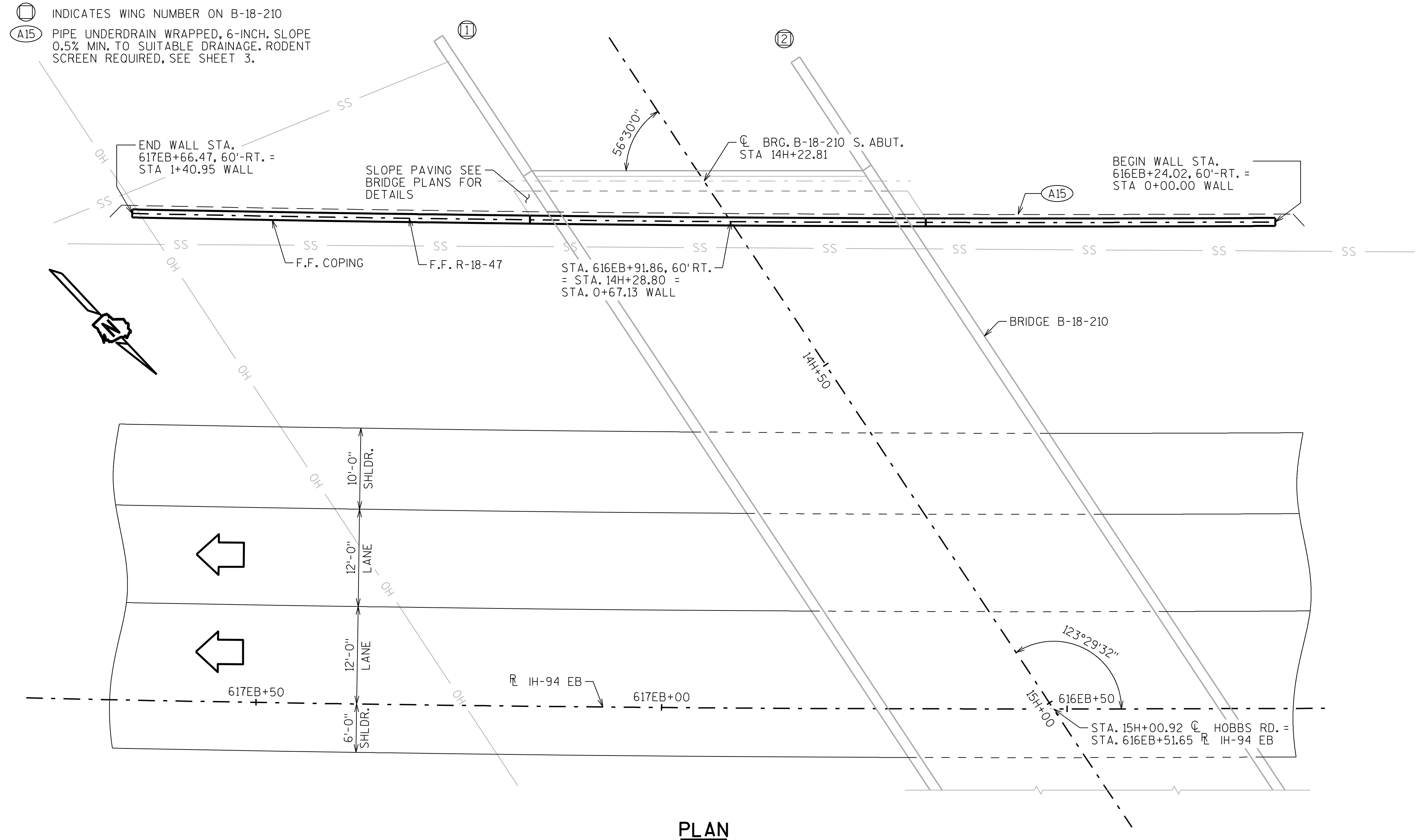
CROSS SECTION & QUANTITIES

SHEET 2

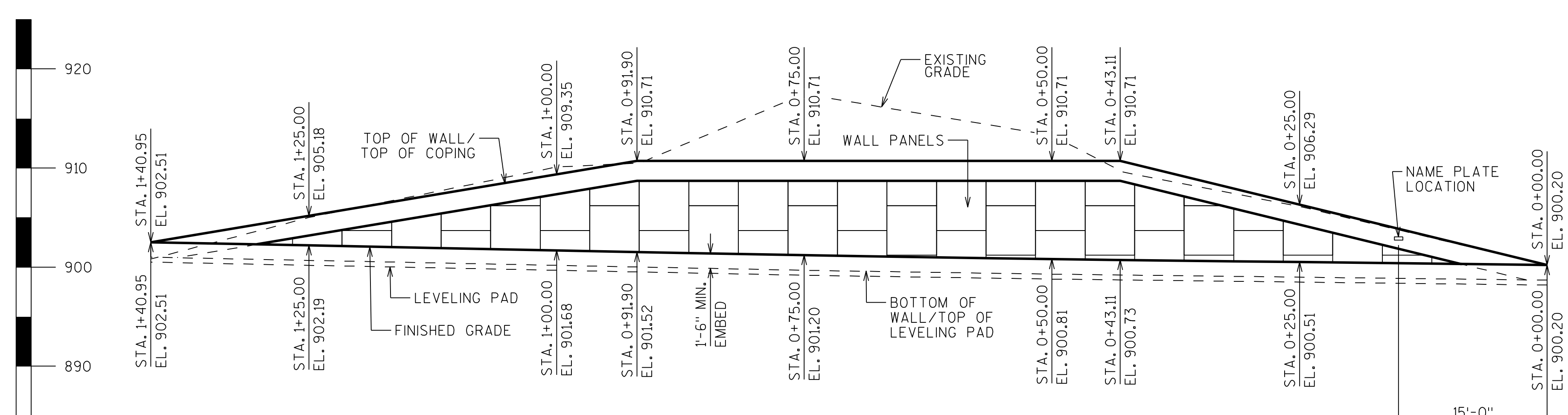
8

8

SCALE = 2.5



PLAN



ELEVATION

LOOKING SOUTH AT F.F. WALL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW THE SURFACE OF CONCRETE).

ALL WALL STATIONING AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALL R-18-47.

THE EXISTING GROUND LINE IS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

COORDINATE THE CONSTRUCTION OF RETAINING WALL R-18-47 WITH THE SOUTH ABUTMENT OF BRIDGE B-18-210.

THE REMOVAL OF THE EXISTING STRUCTURE IS INCLUDED IN A LUMP SUM PAY ITEM FOR BRIDGE B-18-210.

ALLOWABLE WALL SYSTEMS

WALL CONCRETE PANEL MSE LRFD/QMP

MATERIAL PROPERTIES

CONCRETE MASONRY (COPING) — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

LIST OF DRAWINGS

CURVE DATA

IH-94 EB

P.I. = 606EB+04.99
Δ = 27°29'16"
D = 1°00'00"
T = 1401.39'
L = 2748.81'
R = 5729.65'
S.E. = 3.40%
P.C. = 592EB+03.60
P.T. = 619EB+52.41

PRELIMINARY PLAN

STRUCTURE DESIGN CONTACTS:
LAURA SHADEWALD (608) 267-9592
DANIELLE DE TENNIS (608) 266-8689

NO.	DATE	REVISION	BY

Plans Prepared By WISDOT BUREAU OF STRUCTURES

ACCEPTED
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-18-47

MSE WALL ALONG S. ABUT B-18-210

COUNTY EAU CLAIRE TOWN/~~CITY/VILLAGE~~ WASHINGTON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY DFD DESIGN CK'D. DLM DRAWN BY DFD PLANS CK'D. DLM

GENERAL PLAN

SHEET 1 OF 3

STATE PROJECT NUMBER
1021-03-74

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL, GRANULAR BEHIND THE THE REINFORCING ZONE	30	0	120
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS					
WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
EXPOSED WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
MINIMUM LENGTH OF REINFORCEMENT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
LENGTH OF REINFORCEMENT TO HEIGHT RATIO	XX.X	XX.X	XX.X	XX.X	XX.X
BORING LOCATION USED	BOR - XX	BOR - XX	BOR - XX	BOR - XX	BOR - XX
APPROXIMATE WALL STATION	XX.X	XX.X	XX.X	XX.X	XX.X
BACK SLOPE ABOVE WALL	XX.X	XX.X	XX.X	XX.X	XX.X
CAPACITY TO DEMAND RATIO (CDR)					
SLIDING (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
ECCENTRICITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
OVERALL STABILITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
BEARING RESISTANCE (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
FACTORED BEARING RESISTANCE (PSF)	XXXX	XXXX	XXXX	XXXX	XXXX

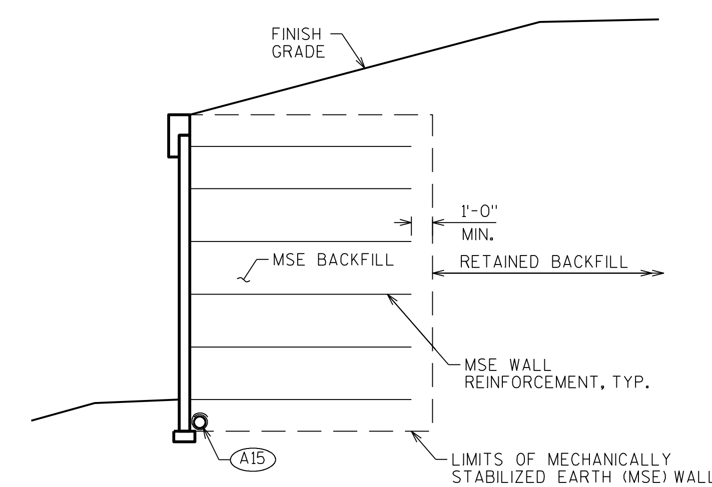
NOTES:
1.
2.
3.
4.
5.

GEOMETRY TABLE

WALL STATION	℄ IH-94 EB STATION	OFFSET TO F.F. WALL	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
0+00.00	616EB+24.02	60.0' RT.	900.20	900.20	900.20
0+25.00	616EB+49.29	60.0' RT.	906.29	900.51	906.14
0+43.11	616EB+67.59	60.0' RT.	910.71	900.72	909.58
0+50.00	616EB+74.55	60.0' RT.	910.71	900.81	913.32
0+75.00	616EB+99.82	60.0' RT.	910.71	901.20	917.48
0+91.90	617EB+16.90	60.0' RT.	910.71	901.52	910.53
1+00.00	617EB+25.08	60.0' RT.	909.35	901.68	910.11
1+25.00	617EB+50.34	60.0' RT.	905.18	902.19	905.01
1+40.95	617EB+66.47	60.0' RT.	902.51	902.51	900.81

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	
SPV.0165	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP	SF	
	NON-BID ITEMS		
	PREFORMED JOINT FILLER	SIZE	½" & ¾"
	NON-BITUMINOUS JOINT SEALER	SIZE	½" & ¾"
	EXPANDED POLYSTYRENE	SIZE	1"



TYPICAL SECTION
THRU MSE RETAINING WALL

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR THE RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN THE RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE DESIGN OF THE WALL IN FRONT OF THE ABUTMENT SHALL INCLUDE THE HORIZONTAL EARTH LOADS AND 240 PSF LIVE LOAD SURCHARGE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-18-47

DRAWN BY DFD | PLANS CK'D. DLM

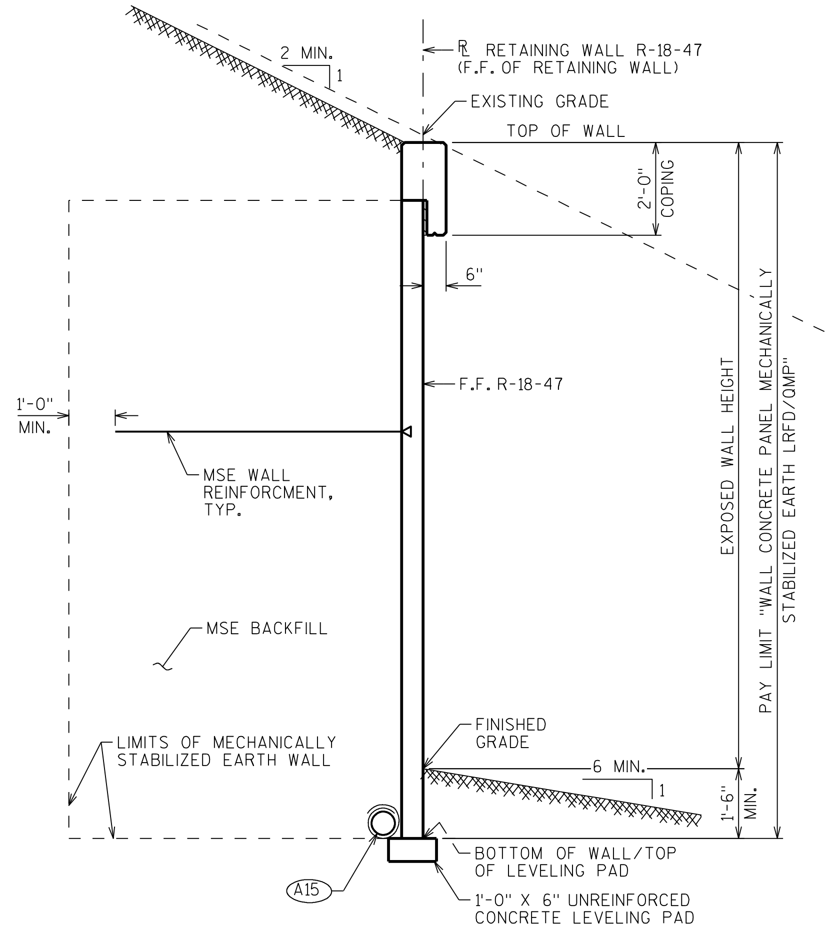
QUANTITIES & WALL DATA

SHEET 2

SCALE = 1.0

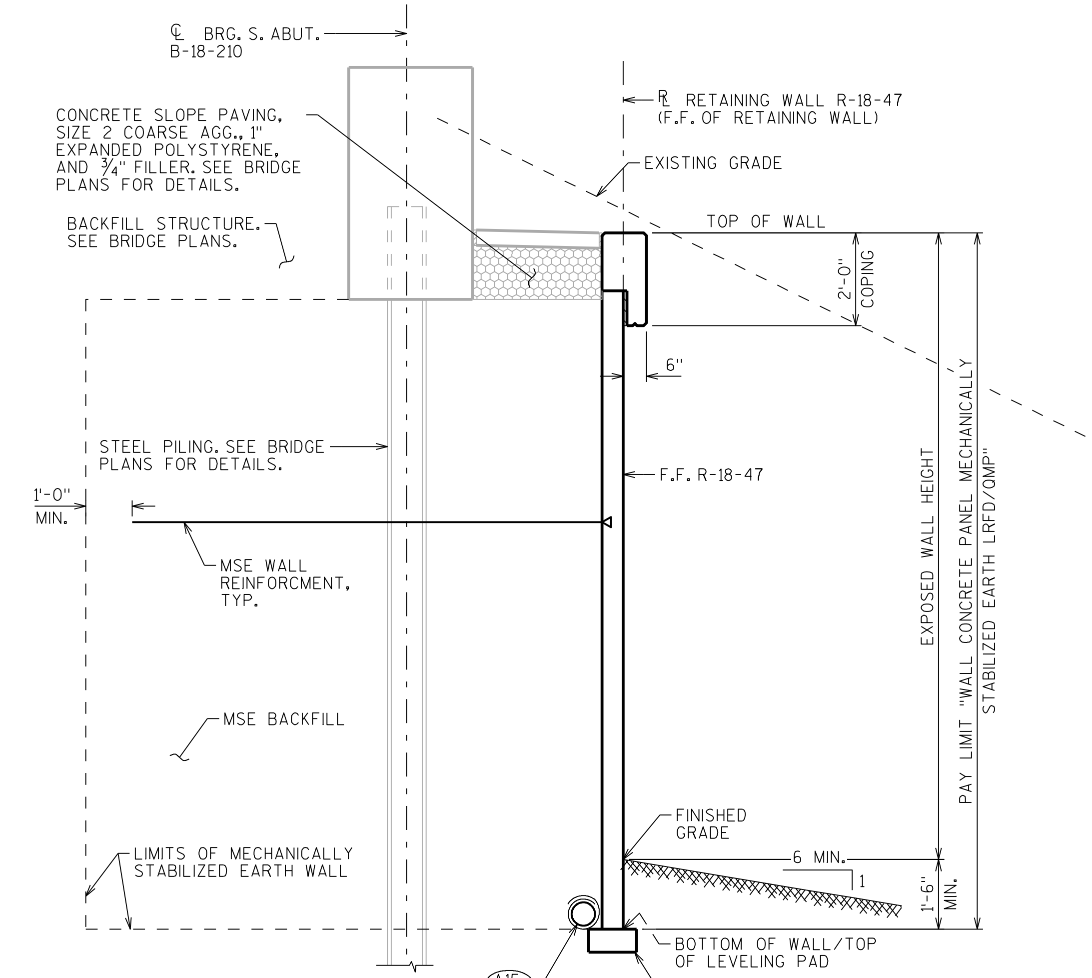
STATE PROJECT NUMBER

1021-03-74



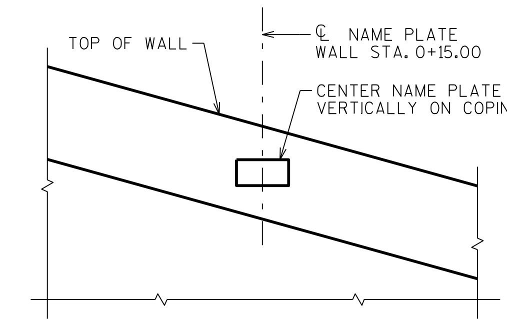
TYPICAL SECTION

LOOKING WEST
STA. 0+00.00 TO 0+43.11 &
STA. 0+91.90 TO 1+40.95

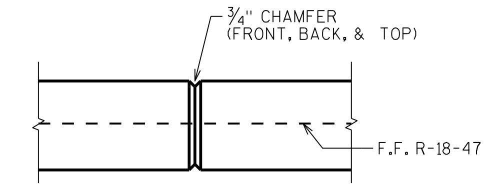


TYPICAL SECTION AT ABUTMENT

LOOKING WEST
0+43.11 TO 0+91.90

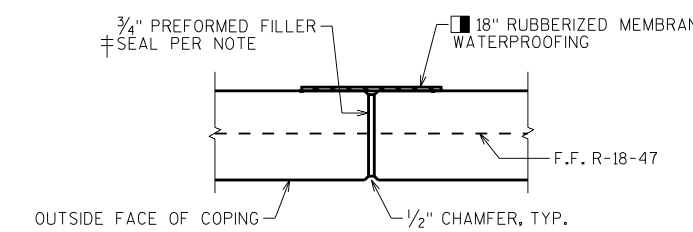


NAME PLATE DETAIL



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'

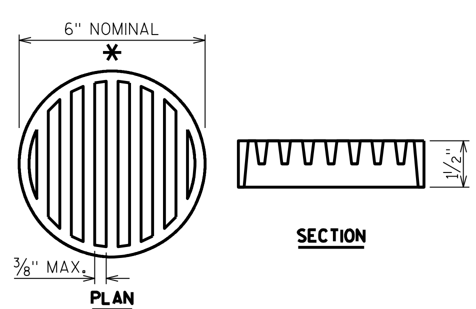


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLE ⅛" BELOW SURFACE OF CONC.)

■ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.

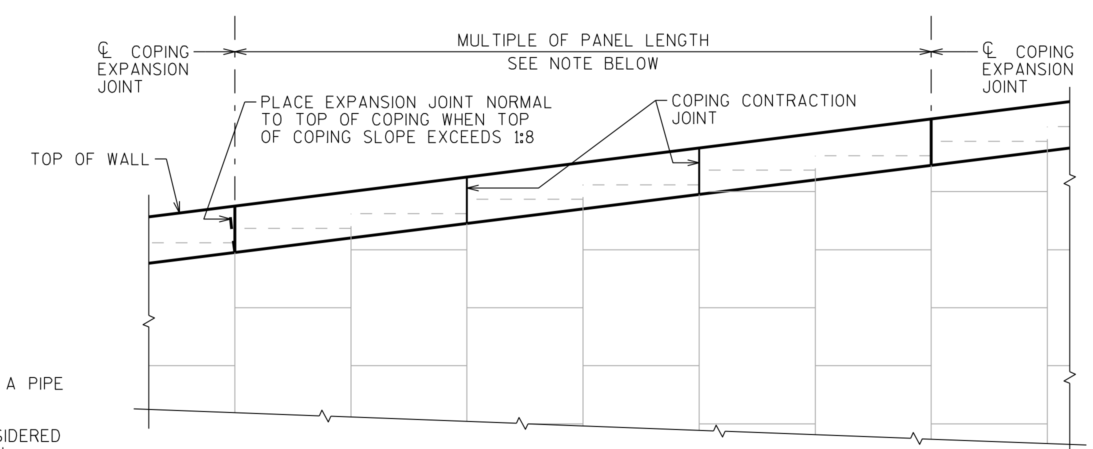


RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

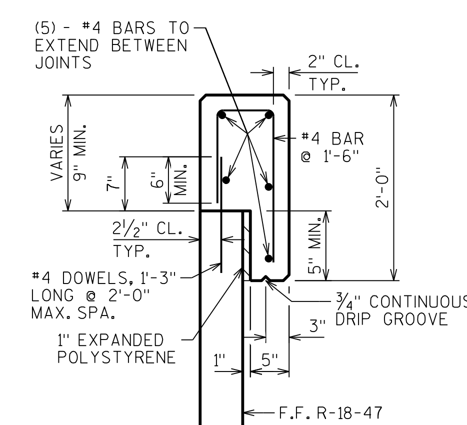
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHEMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



CAST-IN-PLACE COPING PARTIAL ELEVATION

LOOKING AT F.F. WALL

NOTE:
ALL JOINTS MUST COINCIDE WITH PANEL JOINT ON FRONT FACE.



CAST-IN-PLACE CONCRETE COPING DETAIL

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-18-47

DRAWN BY DFD | PLANS CK'D. DLM

WALL DETAILS

SHEET 3

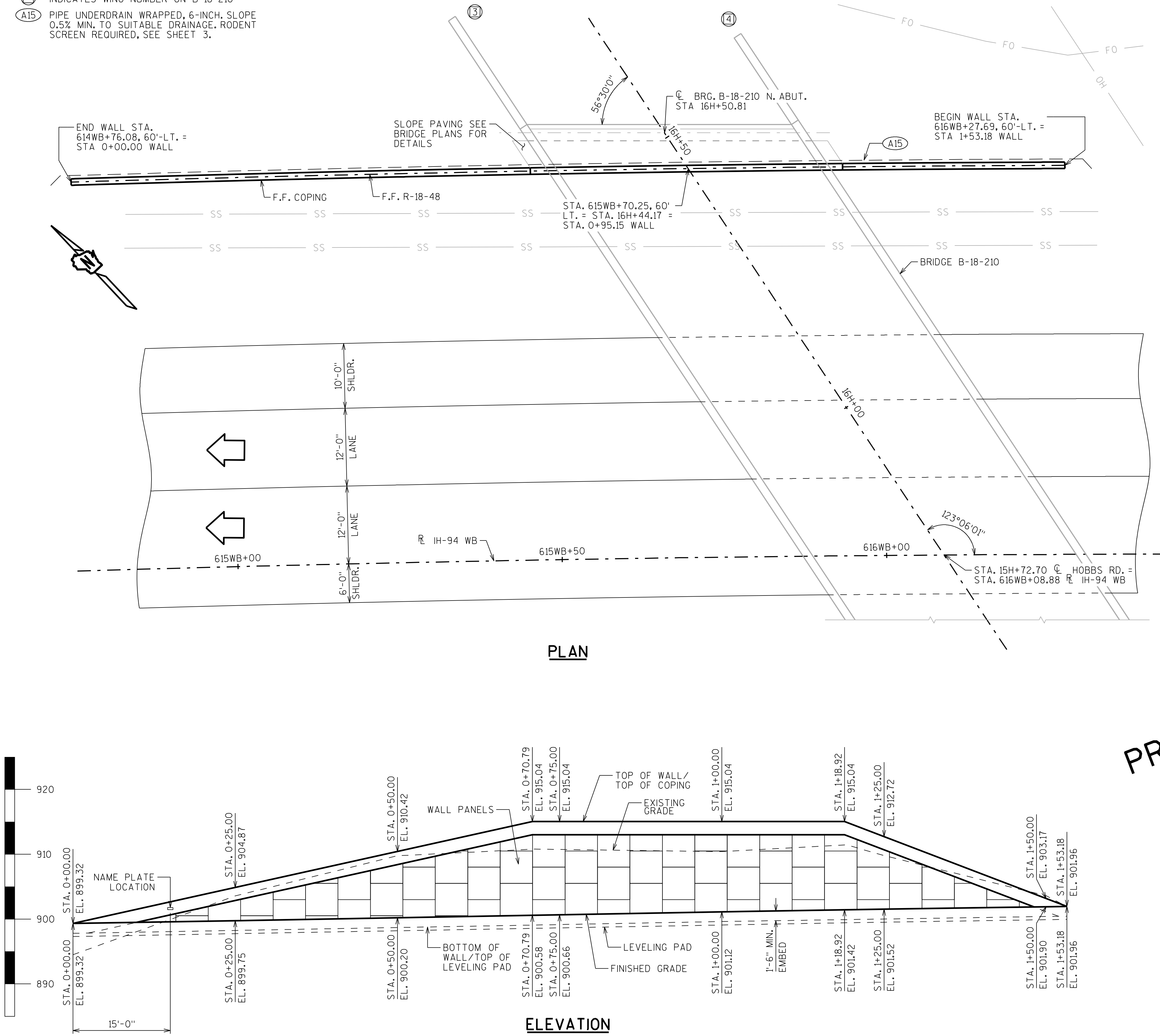
8

8

SCALE = 2.0

INDICATES WING NUMBER ON B-18-210

A15 PIPE UNDERDRAIN WRAPPED, 6-INCH, SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SCREEN REQUIRED, SEE SHEET 3.



ELEVATION

LOOKING NORTH AT F.F. WALL

STATE PROJECT NUMBER

1021-03-74

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW THE SURFACE OF CONCRETE).

ALL WALL STATIONING AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALL R-18-48.

THE EXISTING GROUND LINE IS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

COORDINATE THE CONSTRUCTION OF RETAINING WALL R-18-48 WITH THE NORTH ABUTMENT OF BRIDGE B-18-210.

THE REMOVAL OF THE EXISTING STRUCTURE IS INCLUDED IN A LUMP SUM PAY ITEM FOR BRIDGE B-18-210.

ALLOWABLE WALL SYSTEMS

WALL CONCRETE PANEL MSE LRFD/QMP

MATERIAL PROPERTIES

CONCRETE MASONRY (COPING) ——— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES & WALL DATA
3. WALL DETAILS

CURVE DATA

IH-94 WB

P.I. = 605WB+90.87
Δ = 27°29'16"
D = 0°59'23"
T = 1416.06'
L = 2777.60'
R = 5789.65'
S.E. = 3.30%
P.C. = 591WB+74.81
P.T. = 619WB+52.41

PRELIMINARY PLAN

STRUCTURE DESIGN CONTACTS:

LAURA SHADEWALD	(608) 267-9592
DANIELLE DE TENNIS	(608) 266-8689

NO.	DATE	REVISION	BY

Plans Prepared By WISDOT BUREAU OF STRUCTURES

ACCEPTED ____ CHIEF STRUCTURES DESIGN ENGINEER ____ DATE

STRUCTURE R-18-48

MSE WALL ALONG N. ABUT B-18-210

COUNTY EAU CLAIRE | TOWN/~~CITY/VILLAGE~~ WASHINGTON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY DFD | DESIGN CK'D. DLM | DRAWN BY DFD | PLANS CK'D. DLM

GENERAL PLAN

SHEET 1 OF 3

8

8

SCALE = 8.0

I.D. 1021-03-04D

DATE: SEPT. 2016

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL, GRANULAR BEHIND THE THE REINFORCING ZONE	30	0	120
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS					
WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
EXPOSED WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
MINIMUM LENGTH OF REINFORCEMENT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
LENGTH OF REINFORCEMENT TO HEIGHT RATIO	XX.X	XX.X	XX.X	XX.X	XX.X
BORING LOCATION USED	BOR - XX	BOR - XX	BOR - XX	BOR - XX	BOR - XX
APPROXIMATE WALL STATION	XX.X	XX.X	XX.X	XX.X	XX.X
BACK SLOPE ABOVE WALL	XX.X	XX.X	XX.X	XX.X	XX.X
CAPACITY TO DEMAND RATIO (CDR)					
SLIDING (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
ECCENTRICITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
OVERALL STABILITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
BEARING RESISTANCE (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
FACTORED BEARING RESISTANCE (PSF)	XXXX	XXXX	XXXX	XXXX	XXXX

NOTES:
1.
2.
3.
4.
5.

GEOMETRY TABLE

WALL STATION	℞ IH-94 WB STATION	OFFSET TO F.F. WALL	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
0+00.00	614WB+76.08	60.0' LT.	899.32	899.32	894.49
0+25.00	615WB+00.83	60.0' LT.	904.87	899.75	903.57
0+50.00	615WB+25.57	60.0' LT.	910.42	900.20	909.79
0+70.79	615WB+46.15	60.0' LT.	915.04	900.58	910.81
0+75.00	615WB+50.31	60.0' LT.	915.04	900.66	910.75
1+00.00	615WB+75.06	60.0' LT.	915.04	901.12	910.40
1+18.92	615WB+93.78	60.0' LT.	915.04	901.42	911.47
1+25.00	615WB+99.80	60.0' LT.	912.72	901.52	909.80
1+50.00	616WB+24.54	60.0' LT.	903.17	901.90	903.60
1+53.18	616WB+27.69	60.0' LT.	901.96	901.96	901.96

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	
SPV.0165	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP	SF	
	NON-BID ITEMS		
	PREFORMED JOINT FILLER	SIZE	½" & ¾"
	NON-BITUMINOUS JOINT SEALER	SIZE	½" & ¾"
	EXPANDED POLYSTYRENE	SIZE	1"

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

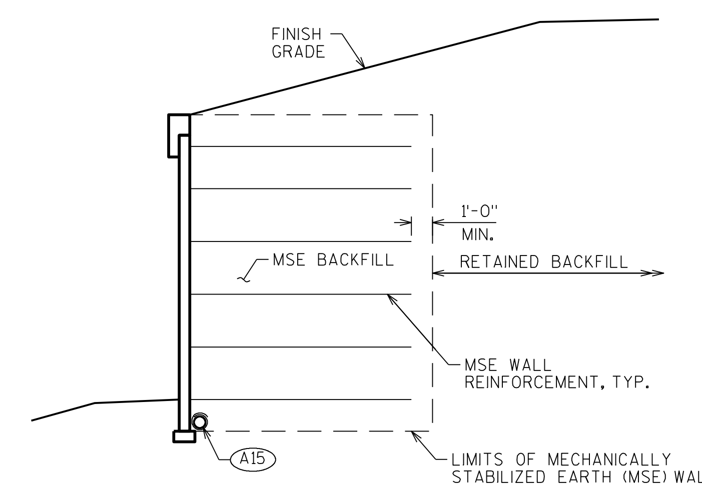
THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR THE RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN THE RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE DESIGN OF THE WALL IN FRONT OF THE ABUTMENT SHALL INCLUDE THE HORIZONTAL EARTH LOADS AND 240 PSF LIVE LOAD SURCHARGE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.



TYPICAL SECTION
THRU MSE RETAINING WALL

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-18-48

DRAWN BY DFD | PLANS CK'D. DLM

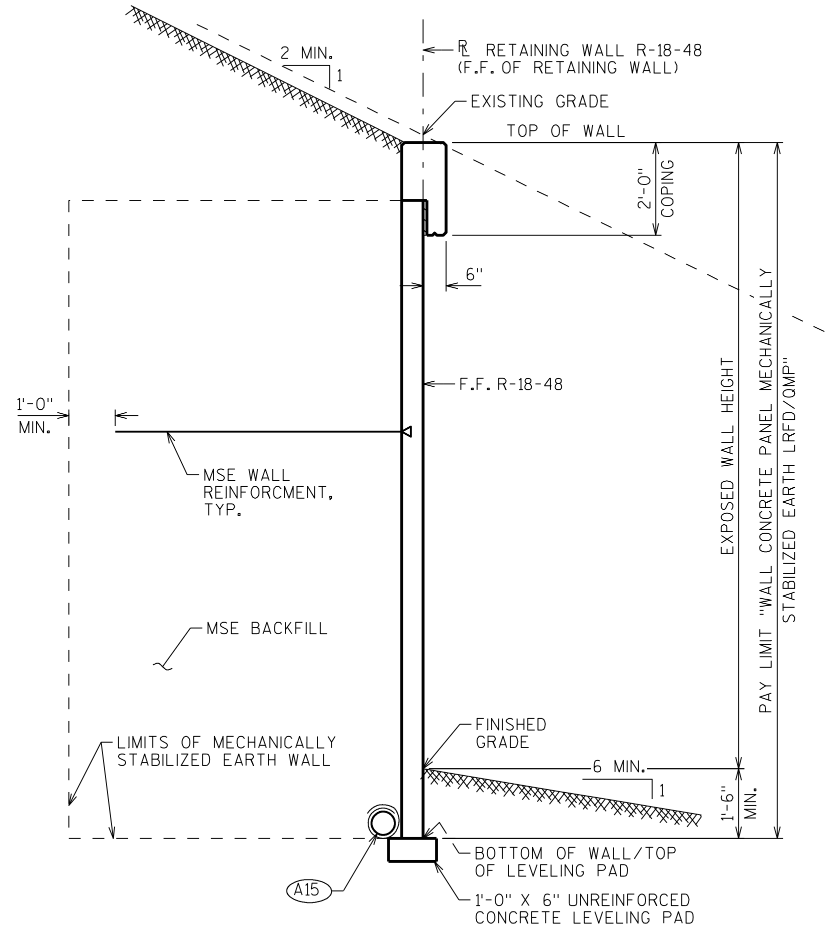
QUANTITIES & WALL DATA

SHEET 2

SCALE = 1.0

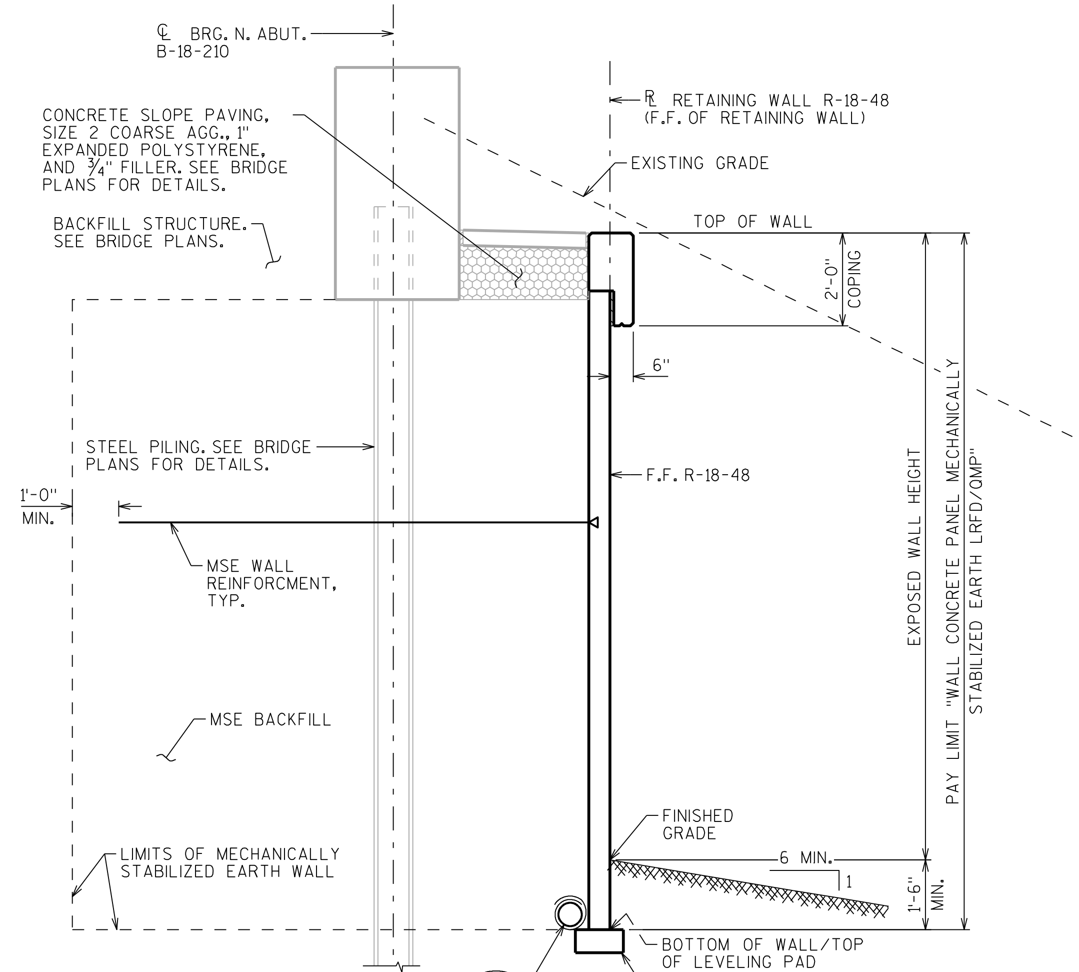
STATE PROJECT NUMBER

1021-03-74



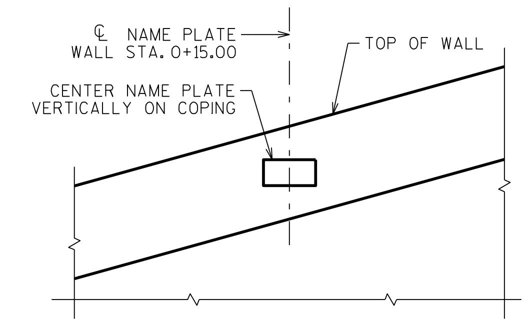
TYPICAL SECTION

LOOKING EAST
STA. 0+00.00 TO 0+70.79 &
STA. 1+18.92 TO 1+35.18

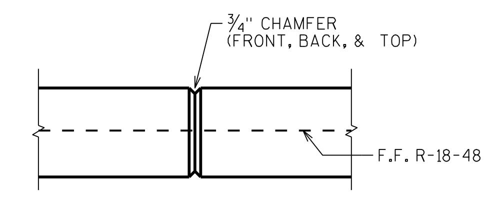


TYPICAL SECTION AT ABUTMENT

LOOKING EAST
0+70.79 TO 1+18.92

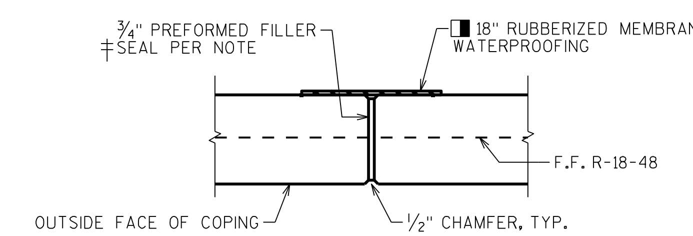


NAME PLATE DETAIL



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'

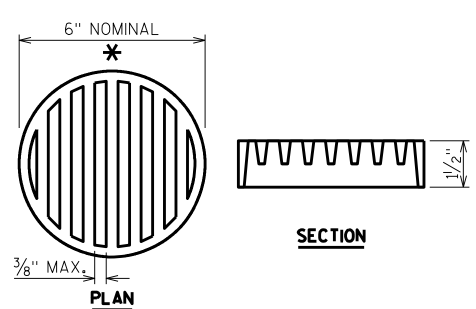


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLE ⅛" BELOW SURFACE OF CONC.)

■ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.

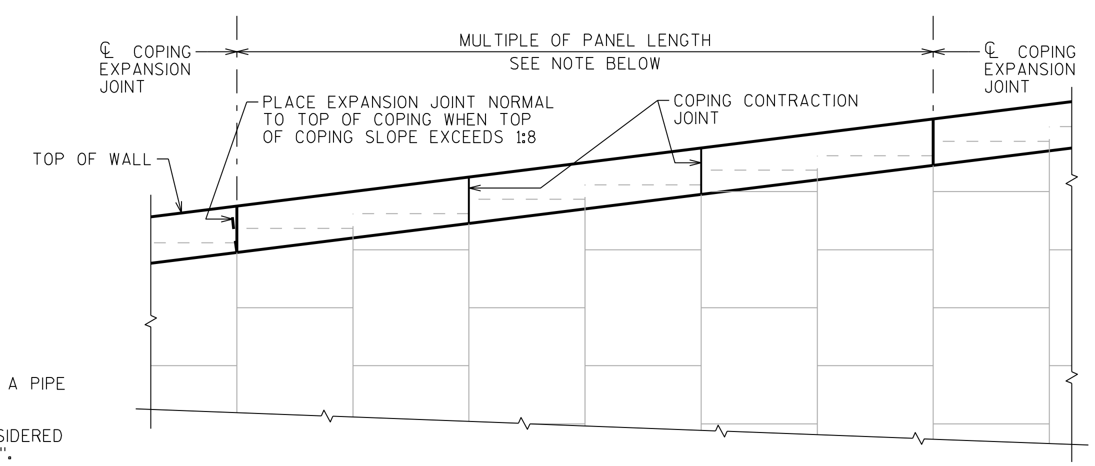


RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

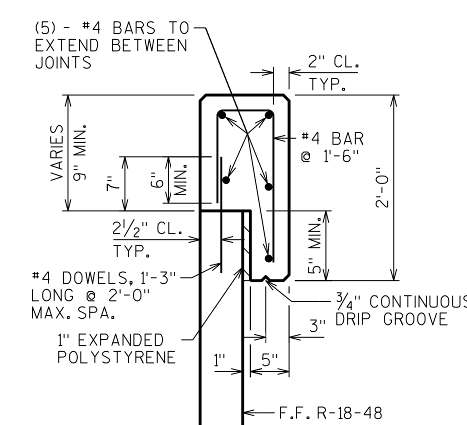
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHEMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



CAST-IN-PLACE COPING PARTIAL ELEVATION

LOOKING AT F.F. WALL

NOTE:
ALL JOINTS MUST COINCIDE WITH PANEL JOINT ON FRONT FACE.



CAST-IN-PLACE CONCRETE COPING DETAIL

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-18-48

DRAWN BY DFD | PLANS CK'D. DLM

WALL DETAILS | SHEET 3

8

8

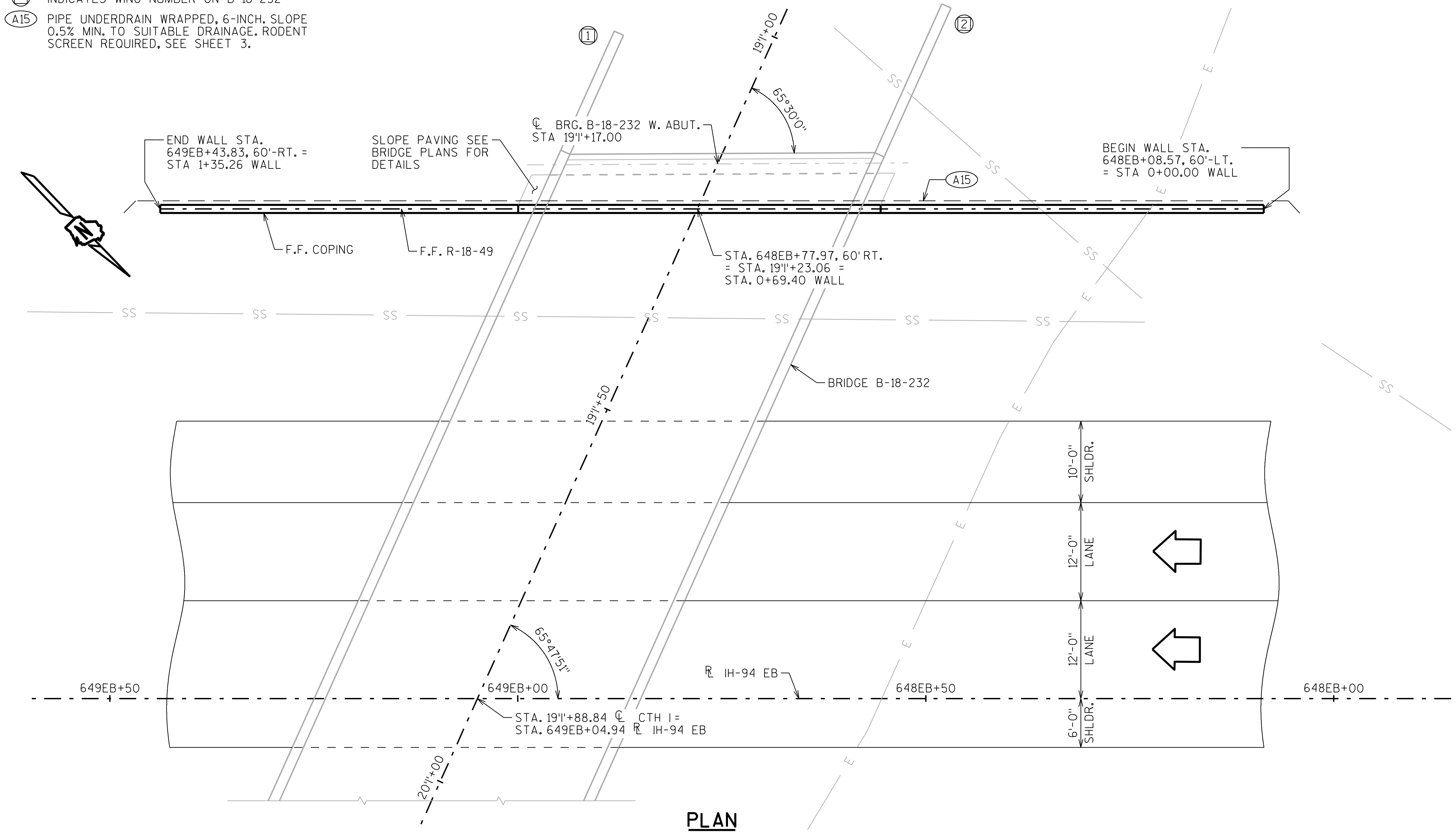
SCALE = 2.0

STATE PROJECT NUMBER

1021-03-74

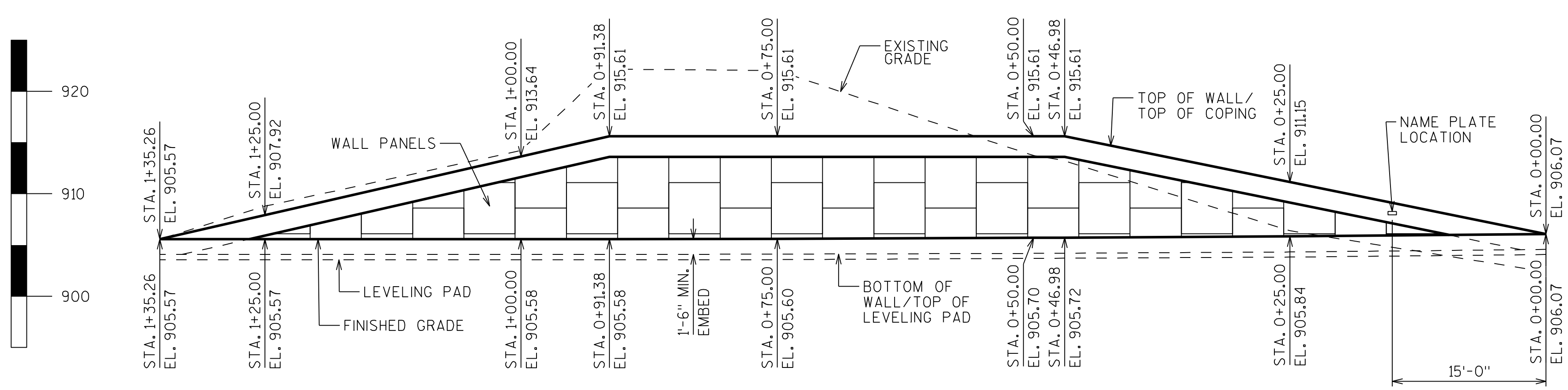
INDICATES WING NUMBER ON B-18-232

(A15) PIPE UNDERDRAIN WRAPPED, 6-INCH. SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SCREEN REQUIRED, SEE SHEET 3.



PLAN

PRELIMINARY PLAN



ELEVATION

LOOKING SOUTHWEST AT F.F. WALL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW THE SURFACE OF CONCRETE).

ALL WALL STATIONING AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALL R-18-49.

THE EXISTING GROUND LINE IS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

COORDINATE THE CONSTRUCTION OF RETAINING WALL R-18-49 WITH THE WEST ABUTMENT OF BRIDGE B-18-232.

THE REMOVAL OF THE EXISTING STRUCTURE IS INCLUDED IN A LUMP SUM PAY ITEM FOR BRIDGE B-18-232.

ALLOWABLE WALL SYSTEMS

WALL CONCRETE PANEL MSE LRFD/QMP

MATERIAL PROPERTIES

CONCRETE MASONRY (COPING) ———— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES & WALL DATA
3. WALL DETAILS

STRUCTURE DESIGN CONTACTS:

LAURA SHADEWALD (608) 267-9592

DANIELLE DE TENNIS (608) 266-8689

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT** BUREAU OF STRUCTURES

ACCEPTED ________ CHIEF STRUCTURES DESIGN ENGINEER ____ DATE

STRUCTURE R-18-49

MSE WALL ALONG W. ABUT B-18-232

COUNTY EAU CLAIRE — TOWN/~~CITY/VILLAGE~~ WASHINGTON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY DFD — DESIGN CK'D. DLM — DRAWN BY DFD — PLANS CK'D.

GENERAL PLAN

8

8

SCALE = 8.0

I.D. 1021-03-04E

DATE: SEPT. 2016

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL, GRANULAR BEHIND THE THE REINFORCING ZONE	30	0	120
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX

WALL EXTERNAL & OVERALL STABILITY EVALUATION

	DIMENSIONS				
WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
EXPOSED WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
MINIMUM LENGTH OF REINFORCEMENT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
LENGTH OF REINFORCEMENT TO HEIGHT RATIO	XX.X	XX.X	XX.X	XX.X	XX.X
BORING LOCATION USED	BOR - XX	BOR - XX	BOR - XX	BOR - XX	BOR - XX
APPROXIMATE WALL STATION	XX.X	XX.X	XX.X	XX.X	XX.X
BACK SLOPE ABOVE WALL	XX.X	XX.X	XX.X	XX.X	XX.X
	CAPACITY TO DEMAND RATIO (CDR)				
SLIDING (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
ECCENTRICITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
OVERALL STABILITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
BEARING RESISTANCE (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
FACTORED BEARING RESISTANCE (PSF)	XXXX	XXXX	XXXX	XXXX	XXXX

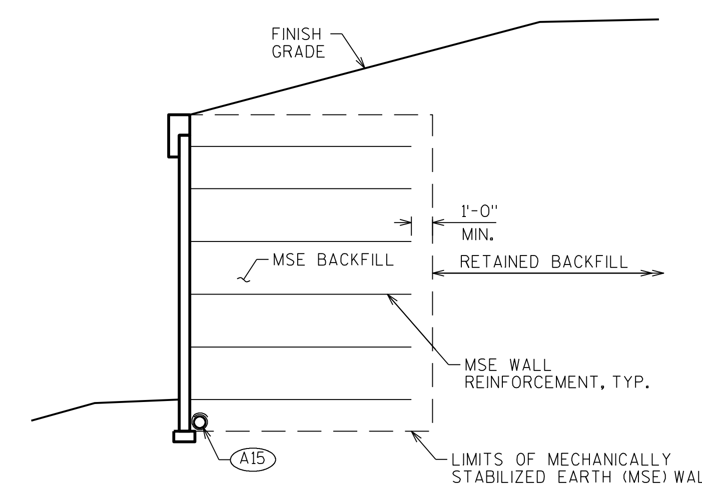
NOTES:
1.
2.
3.
4.
5.

GEOMETRY TABLE

WALL STATION	℞ IH-94 EB STATION	OFFSET TO F.F. WALL	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
0+00.00	648EB+08.57	60.0' RT.	906.07	906.07	902.41
0+25.00	648EB+33.57	60.0' RT.	911.15	905.84	906.41
0+46.98	648EB+55.55	60.0' RT.	915.61	905.72	913.28
0+50.00	648EB+58.57	60.0' RT.	915.61	905.70	913.73
0+75.00	648EB+83.57	60.0' RT.	915.61	905.60	922.02
0+91.38	648EB+99.95	60.0' RT.	915.61	905.58	922.17
1+00.00	649EB+08.57	60.0' RT.	913.64	905.57	914.23
1+25.00	649EB+33.57	60.0' RT.	907.92	905.57	908.81
1+35.26	649EB+43.83	60.0' RT.	905.57	905.57	905.57

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	
SPV.0165	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP	SF	
	NON-BID ITEMS		
	PREFORMED JOINT FILLER	SIZE	1/2" & 3/4"
	NON-BITUMINOUS JOINT SEALER	SIZE	1/2" & 3/4"
	EXPANDED POLYSTYRENE	SIZE	1"



TYPICAL SECTION
THRU MSE RETAINING WALL

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

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DESIGN FOR THE RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN THE RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE DESIGN OF THE WALL IN FRONT OF THE ABUTMENT SHALL INCLUDE THE HORIZONTAL EARTH LOADS AND 240 PSF LIVE LOAD SURCHARGE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-18-49

DRAWN BY DFD | PLANS CK'D.

QUANTITIES & WALL DATA

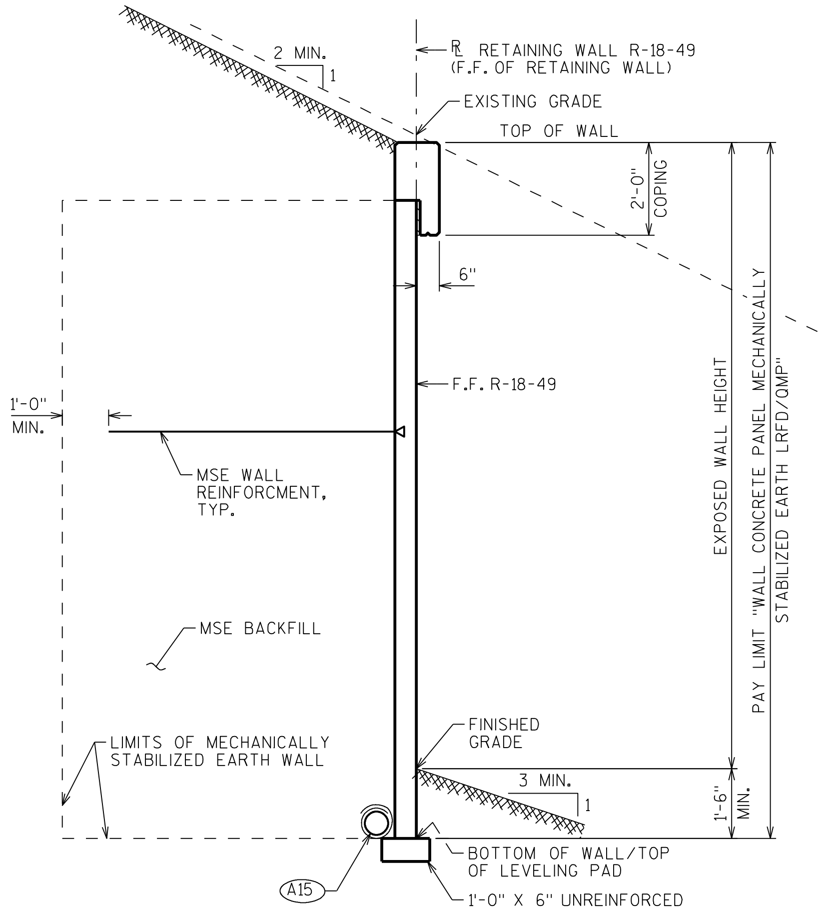
SHEET 2

8

8

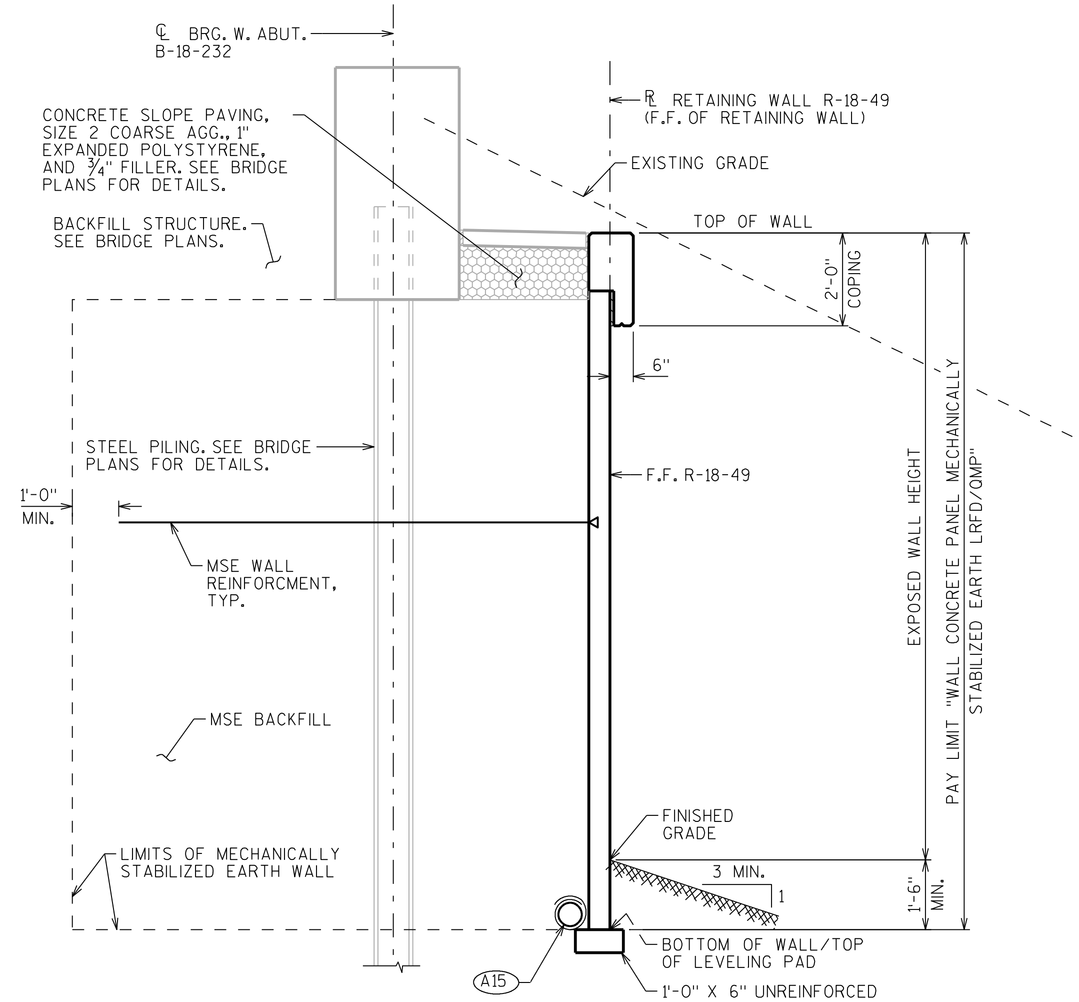
SCALE = 1.0

STATE PROJECT NUMBER
1021-03-74



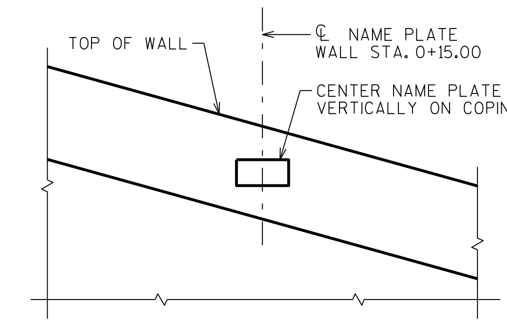
TYPICAL SECTION

LOOKING NORTHEAST
STA. 0+00.00 TO 0+46.98 &
STA. 0+91.38 TO 1+35.26

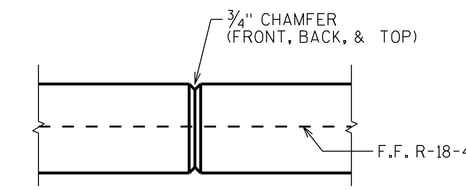


TYPICAL SECTION AT ABUTMENT

LOOKING NORTHEAST
STA. 0+46.98 TO 0+91.38

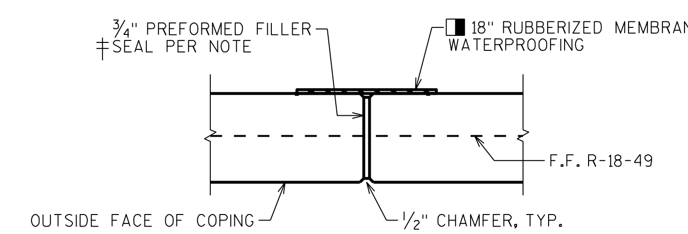


NAME PLATE DETAIL



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'



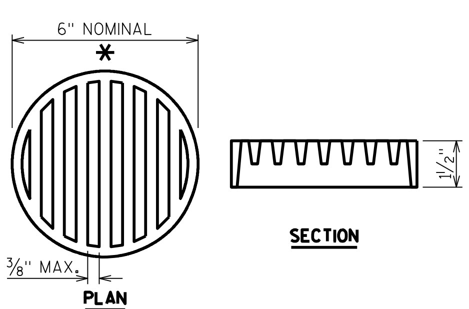
COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLE ⅛" BELOW SURFACE OF CONC.)

■ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.

(A15) PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

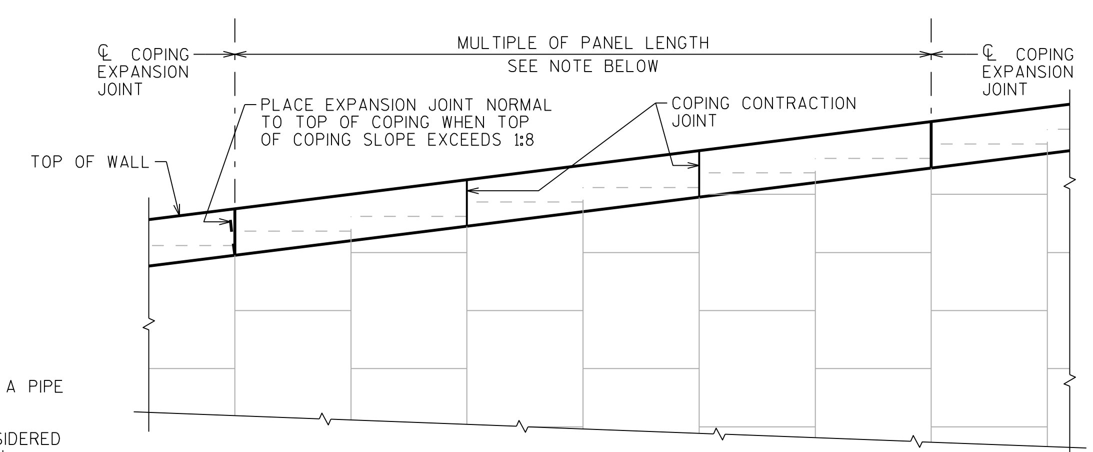


RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

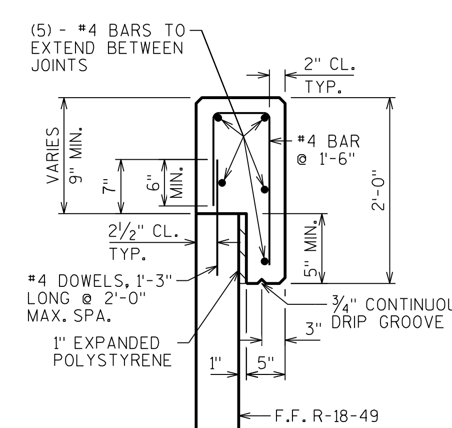
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHEMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



CAST-IN-PLACE COPING PARTIAL ELEVATION

LOOKING AT F.F. WALL

NOTE:
ALL JOINTS MUST COINCIDE WITH PANEL JOINT ON FRONT FACE.



CAST-IN-PLACE CONCRETE COPING DETAIL

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-18-49

DRAWN BY DFD | PLANS CK'D.

WALL DETAILS

SHEET 3

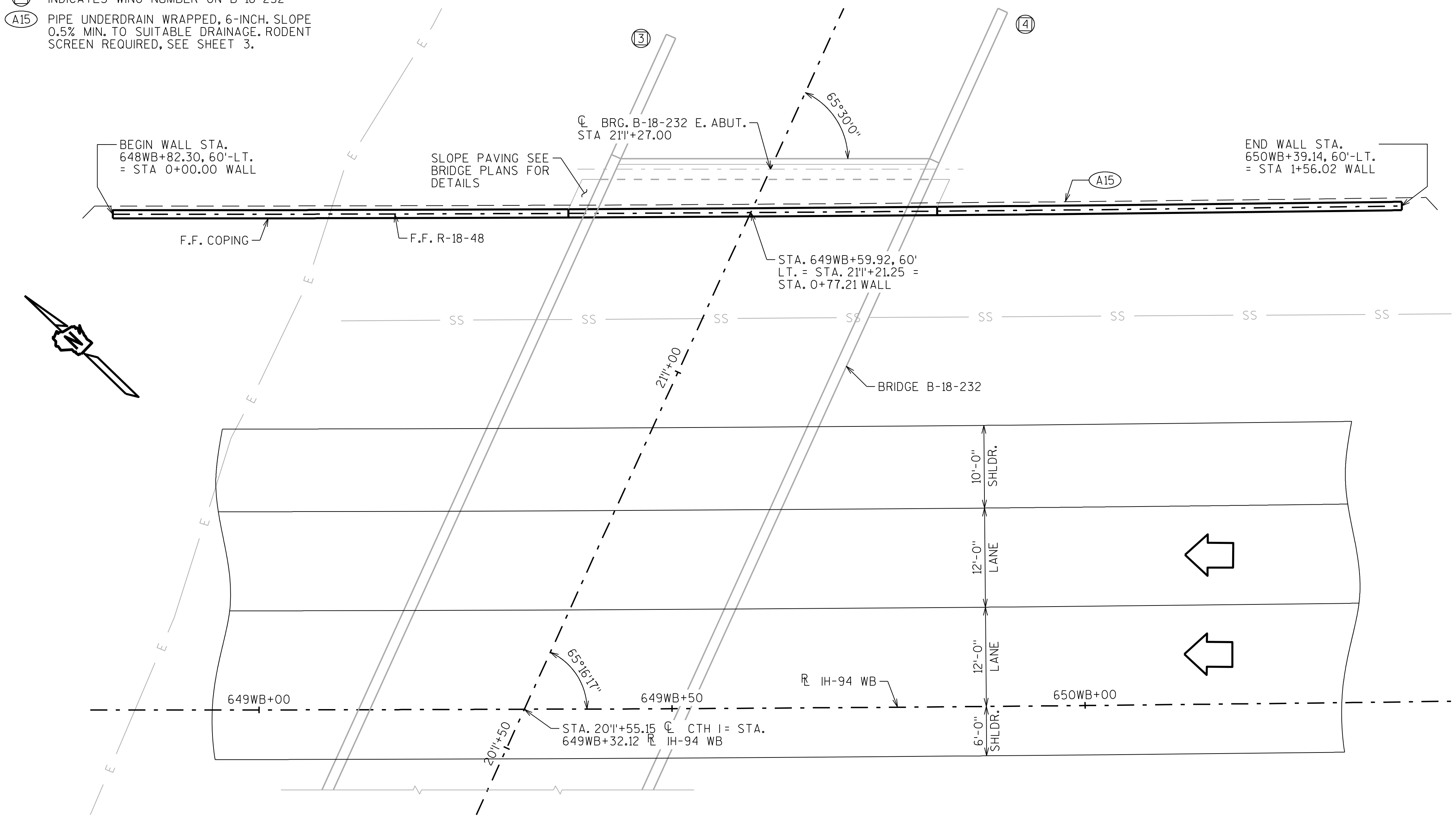
SCALE = 2.0

STATE PROJECT NUMBER

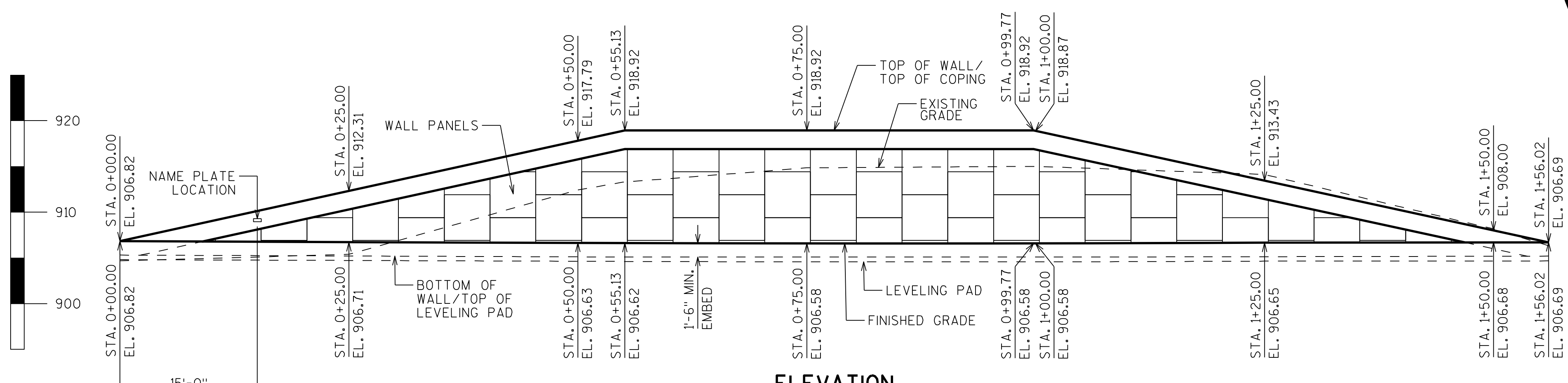
1021-03-74

INDICATES WING NUMBER ON B-18-232

A15 PIPE UNDERDRAIN WRAPPED, 6-INCH, SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SCREEN REQUIRED, SEE SHEET 3.



PLAN



ELEVATION

LOOKING NORTH AT F.F. WALL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED

BEVEL ALL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

BAR STEEL REINFORCEMENT SHALL HAVE 2" CLEAR COVER UNLESS OTHERWISE SHOWN OR NOTED.

ALL BAR STEEL REINFORCEMENT IN CAST-IN-PLACE CONCRETE IS TO BE EPOXY COATED.

SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF JOINT FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER (1" DEEP & HOLD 1/8" BELOW THE SURFACE OF CONCRETE).

ALL WALL STATIONING AND OFFSETS ARE GIVEN AT THE FRONT FACE OF WALL R-18-50.

THE EXISTING GROUND LINE IS THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

THE PLAN QUANTITY FOR THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE WALL TO A CONSTANT DEPTH OF 1'-6" BELOW FINISHED GRADE.

COORDINATE THE CONSTRUCTION OF RETAINING WALL R-18-50 WITH THE EAST ABUTMENT OF BRIDGE B-18-232.

THE REMOVAL OF THE EXISTING STRUCTURE IS INCLUDED IN A LUMP SUM PAY ITEM FOR BRIDGE B-18-232.

ALLOWABLE WALL SYSTEMS

WALL CONCRETE PANEL MSE LRFD/QMP

MATERIAL PROPERTIES

CONCRETE MASONRY (COPING) ———— f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT, GRADE 60 — fy = 60,000 P.S.I.

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. QUANTITIES & WALL DATA
3. WALL DETAILS

CURVE DATA

IH-94 WB

P.I. = 653WB+95.69
Δ = 5°41'00"
D = 0°30'00"
T = 568.80'
L = 1136.67'
R = 11459.19'
S.E. = 2.00%
P.C. = 648WB+26.89
P.T. = 659WB+63.56

PRELIMINARY PLAN

STRUCTURE DESIGN CONTACTS:

LAURA SHADEWALD	(608) 267-9592
DANIELLE DE TENNIS	(608) 266-8689

NO.	DATE	REVISION	BY

Plans Prepared By **WISDOT** BUREAU OF STRUCTURES

ACCEPTED ______ CHIEF STRUCTURES DESIGN ENGINEER ______ DATE

STRUCTURE R-18-50

MSE WALL ALONG E. ABUT B-18-232

COUNTY EAU CLAIRE | TOWN/~~CITY/VILLAGE~~ WASHINGTON

DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY DFD | DESIGN CK'D. DLM | DRAWN BY DFD | PLANS CK'D. DLM

GENERAL PLAN

SHEET 1 OF 3

8

SCALE = 8.0

I.D. 1021-03-04F

DATE: SEPT. 2016

SOIL PARAMETERS

SOIL DESCRIPTION	FRICTION ANGLE (DEGREES)	COHESION (PSF)	UNIT WEIGHT (PCF)
GRANULAR BACKFILL BEHIND THE WALL IN THE REINFORCING ZONE	30	0	120
FILL, GRANULAR BEHIND THE THE REINFORCING ZONE	30	0	120
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
BOR-__ - STA. XX+XX.XX - XX'LT/RT OF XXX			
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX
(INSERT SOIL DESCRIPTION) EL. ___.__ TO EL ___.__	XX	XX	XXX

WALL EXTERNAL & OVERALL STABILITY EVALUATION

DIMENSIONS					
WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
EXPOSED WALL HEIGHT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
MINIMUM LENGTH OF REINFORCEMENT (FEET)	XX.X	XX.X	XX.X	XX.X	XX.X
LENGTH OF REINFORCEMENT TO HEIGHT RATIO	XX.X	XX.X	XX.X	XX.X	XX.X
BORING LOCATION USED	BOR - XX	BOR - XX	BOR - XX	BOR - XX	BOR - XX
APPROXIMATE WALL STATION	XX.X	XX.X	XX.X	XX.X	XX.X
BACK SLOPE ABOVE WALL	XX.X	XX.X	XX.X	XX.X	XX.X
CAPACITY TO DEMAND RATIO (CDR)					
SLIDING (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
ECCENTRICITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
OVERALL STABILITY (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
BEARING RESISTANCE (CDR > 1.0)	X.X	X.X	X.X	X.X	X.X
FACTORED BEARING RESISTANCE (PSF)	XXXX	XXXX	XXXX	XXXX	XXXX

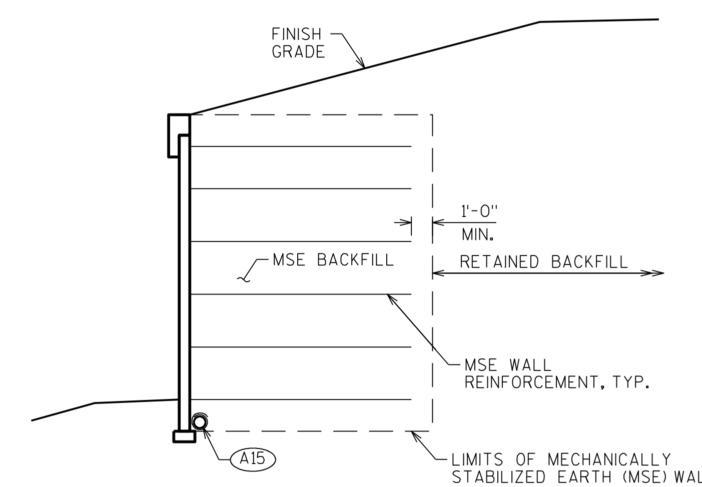
NOTES:
1.
2.
3.
4.
5.

GEOMETRY TABLE

WALL STATION	℄ IH-94 WB STATION	OFFSET TO F.F. WALL	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GRADE EL.
0+00.00	648WB+82.30	60.0' LT.	906.82	906.82	904.68
0+25.00	649WB+07.43	60.0' LT.	912.31	906.71	905.40
0+50.00	649WB+32.56	60.0' LT.	917.79	906.63	912.42
0+55.13	649WB+37.72	60.0' LT.	918.92	906.62	913.28
0+75.00	649WB+57.69	60.0' LT.	918.92	906.58	914.85
0+99.77	649WB+82.60	60.0' LT.	918.92	906.58	915.02
1+00.00	649WB+82.82	60.0' LT.	918.87	906.58	915.01
1+25.00	650WB+07.96	60.0' LT.	913.43	906.65	914.13
1+50.00	650WB+33.09	60.0' LT.	908.00	906.68	908.18
1+56.02	650WB+39.14	60.0' LT.	906.69	906.69	906.34

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	
SPV.0165	WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP	SF	
	NON-BID ITEMS		
	PREFORMED JOINT FILLER	SIZE	½" & ¾"
	NON-BITUMINOUS JOINT SEALER	SIZE	½" & ¾"
	EXPANDED POLYSTYRENE	SIZE	1"



TYPICAL SECTION
THRU MSE RETAINING WALL

DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALLS IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL CONCRETE PANEL MECHANICALLY STABILIZED EARTH LRFD/QMP".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE PLANS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE RETAINING WALL SHALL BE DESIGNED USING THE ELEVATIONS GIVEN ON THIS SHEET.

DESIGN FOR THE RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

DESIGN THE RETAINING WALL FOR A LIVE LOAD SURCHARGE OF 240 PSF.

THE DESIGN OF THE WALL IN FRONT OF THE ABUTMENT SHALL INCLUDE THE HORIZONTAL EARTH LOADS AND 240 PSF LIVE LOAD SURCHARGE ACTING ON THE BACK OF THE ABUTMENT BELOW THE BEAM SEATS.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST VALUES.

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-18-50

DRAWN BY DFD
PLANS CK'D. DLM

QUANTITIES & WALL DATA

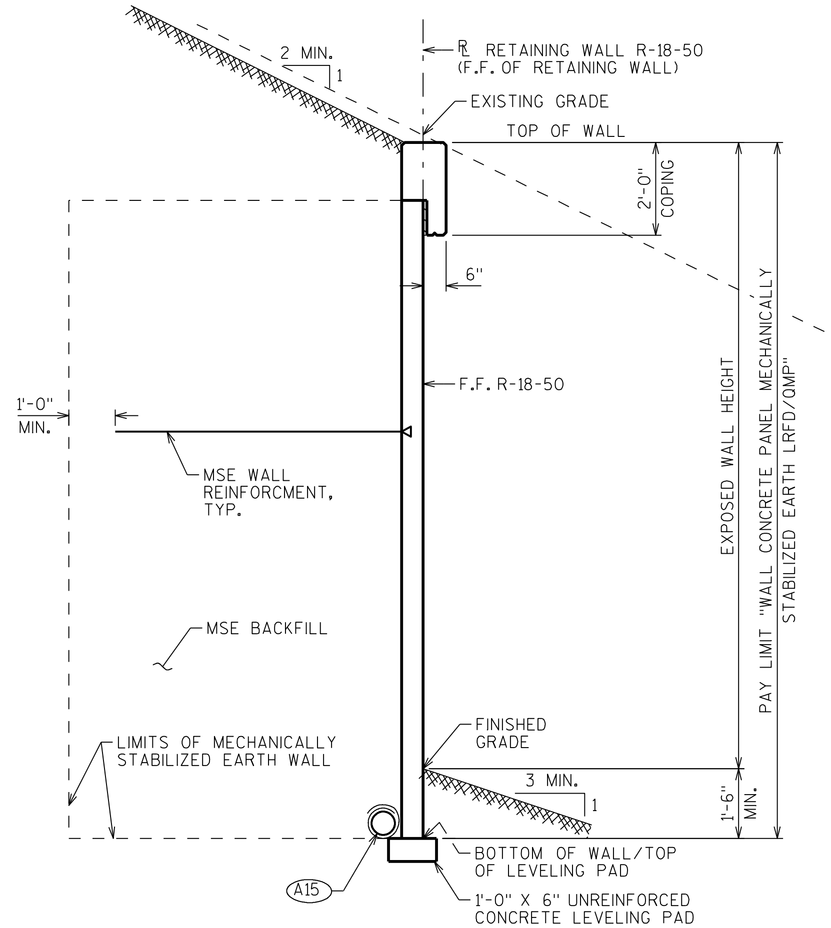
8

8

SCALE = 1.0

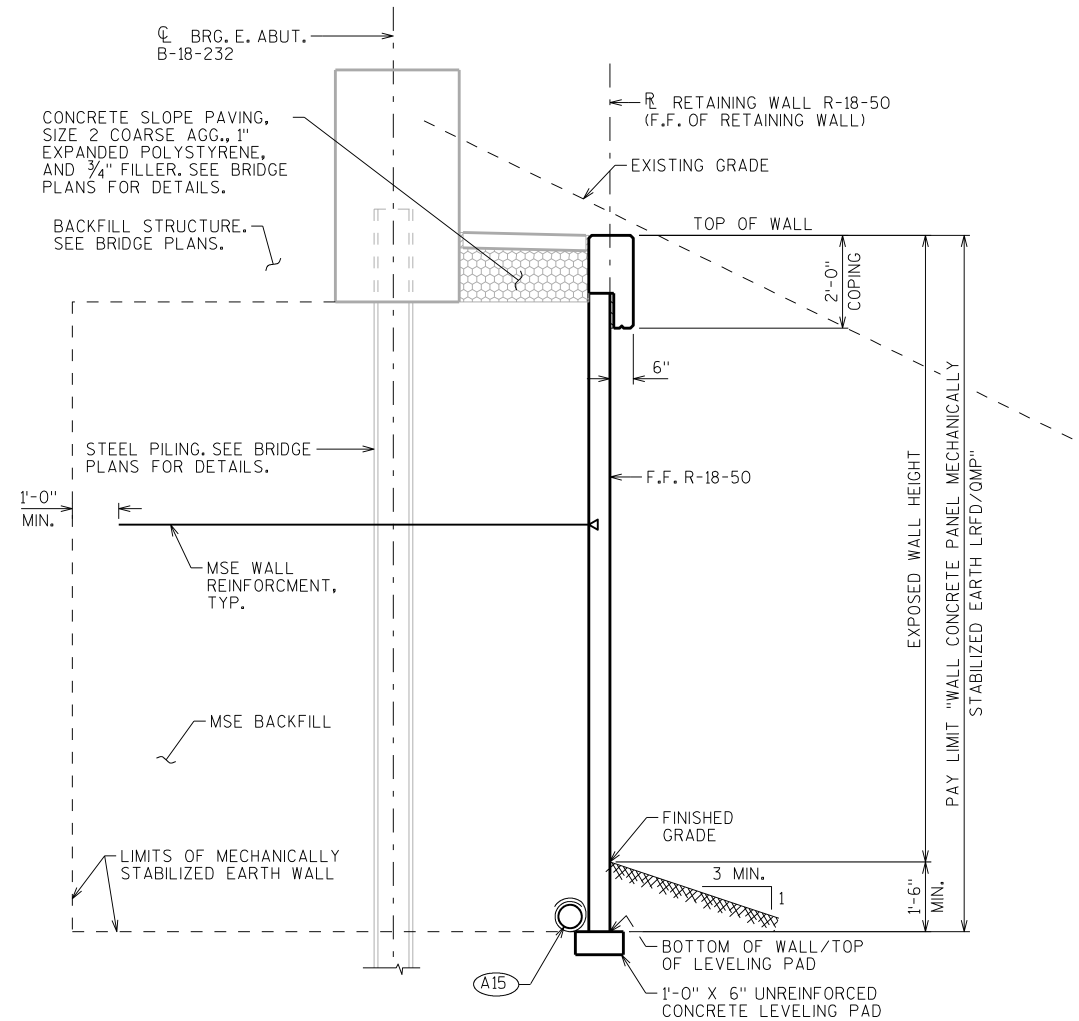
STATE PROJECT NUMBER

1021-03-74



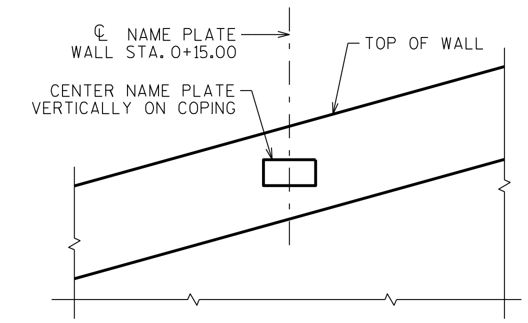
TYPICAL SECTION

LOOKING SOUTHEAST
STA. 0+00.00 TO 0+55.13 &
STA. 0+99.77 TO 1+56.02

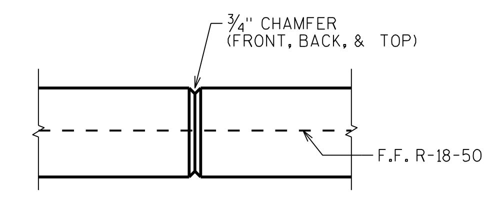


TYPICAL SECTION AT ABUTMENT

LOOKING SOUTHEAST
STA. 0+55.13 TO 0+99.77

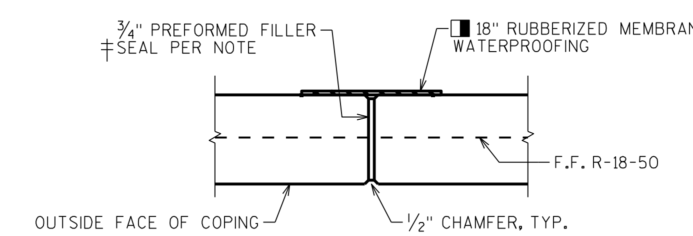


NAME PLATE DETAIL



COPING CONTRACTION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 12'

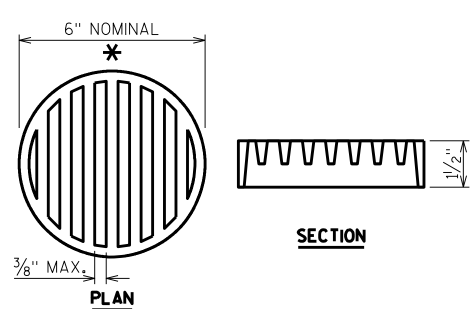


COPING EXPANSION JOINT

DO NOT RUN BAR STEEL THRU JOINT.
MAX. SPACING OF JOINT = 50'

‡ SEAL ALL EXPOSED HORIZ. & VERT. SURFACES OF FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLE ⅛" BELOW SURFACE OF CONC.)

■ MEMBRANE WATERPROOFING TO EXTEND FROM TOP OF COPING TO 6" BELOW TOP OF PANELS.

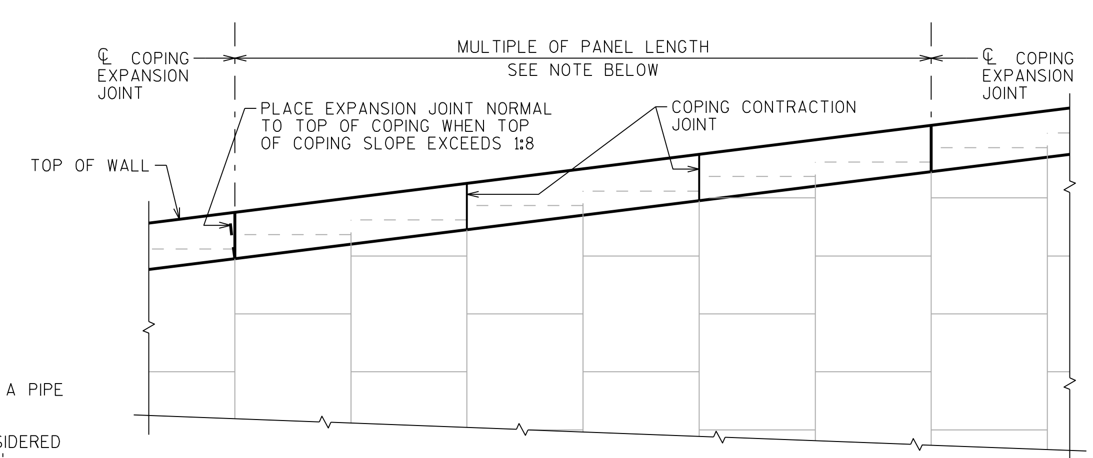


RODENT SHIELD DETAIL

* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

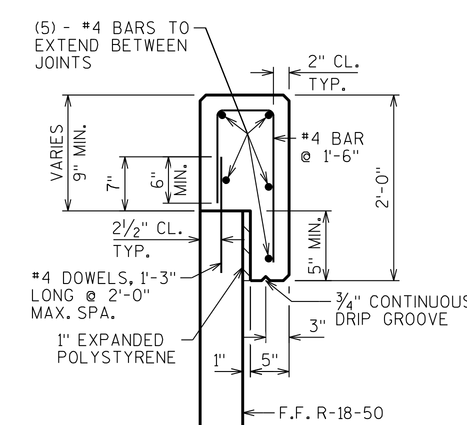
THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHEMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



CAST-IN-PLACE COPING PARTIAL ELEVATION

LOOKING AT F.F. WALL

NOTE:
ALL JOINTS MUST COINCIDE WITH PANEL JOINT ON FRONT FACE.



CAST-IN-PLACE CONCRETE COPING DETAIL

A15 PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. RODENT SHIELD REQUIRED.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE R-18-50

DRAWN BY DFD | PLANS CK'D. DLM

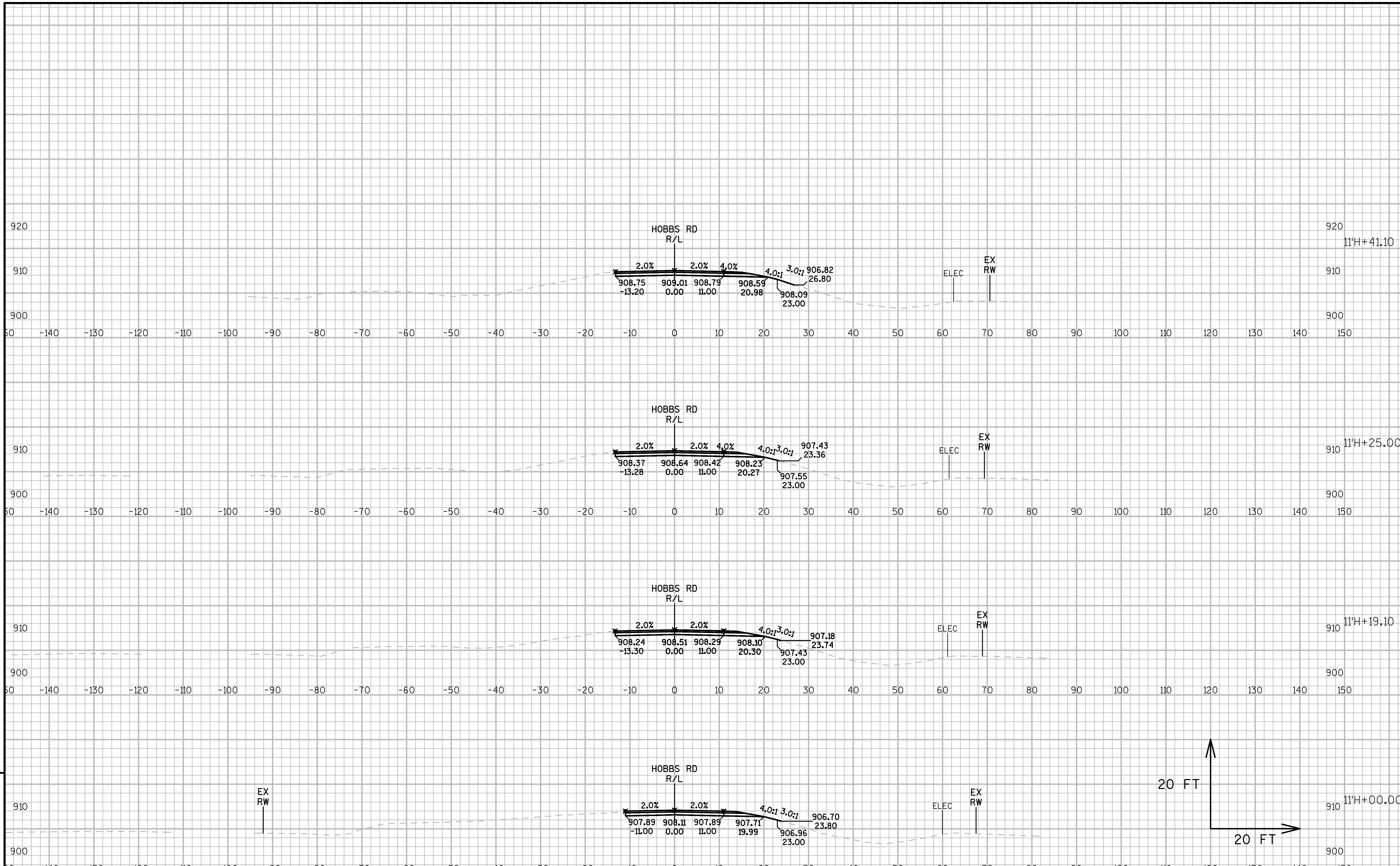
WALL DETAILS

SHEET 3

8

8

SCALE = 2.0



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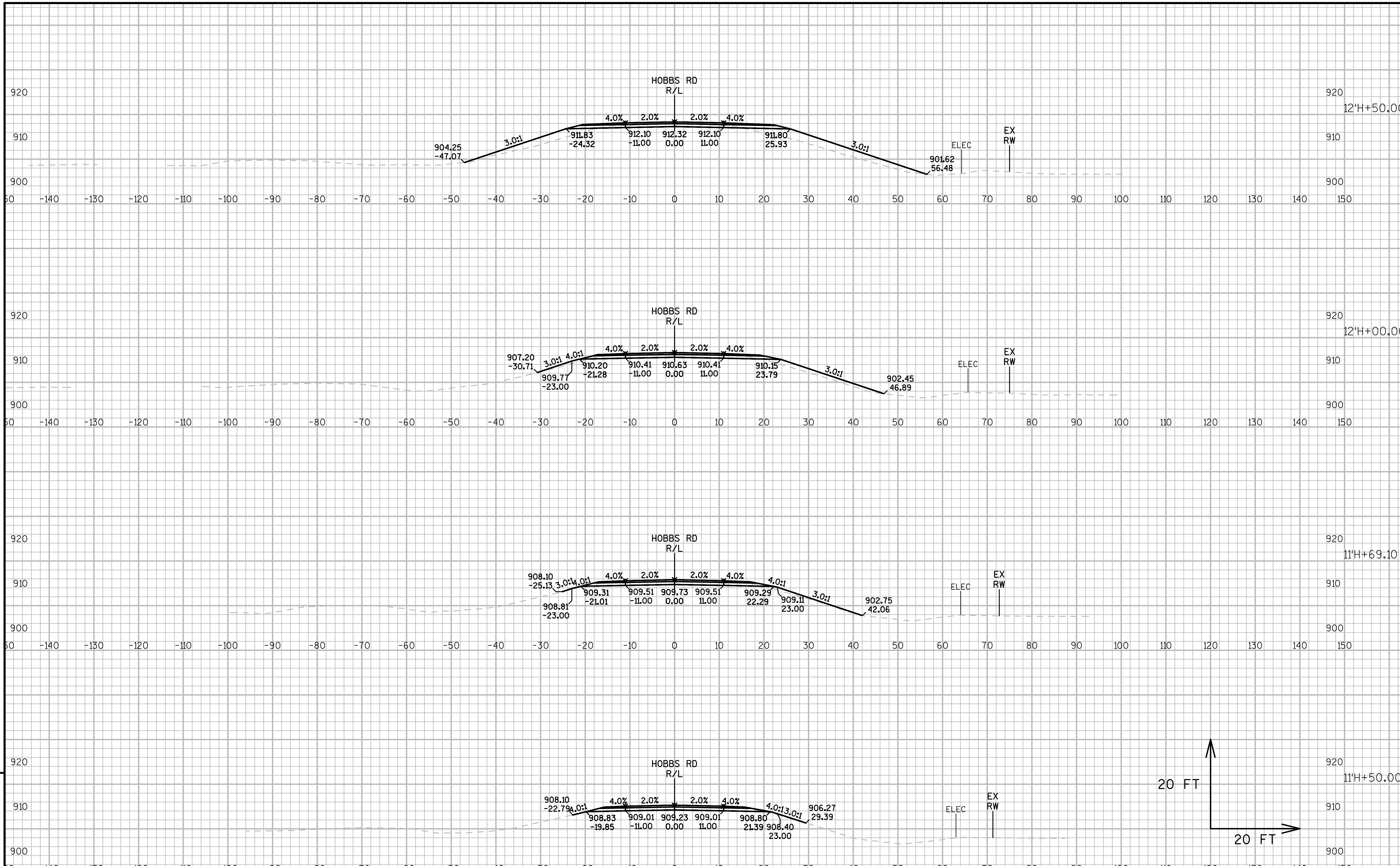
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: HOBBS RD	SHEET	E

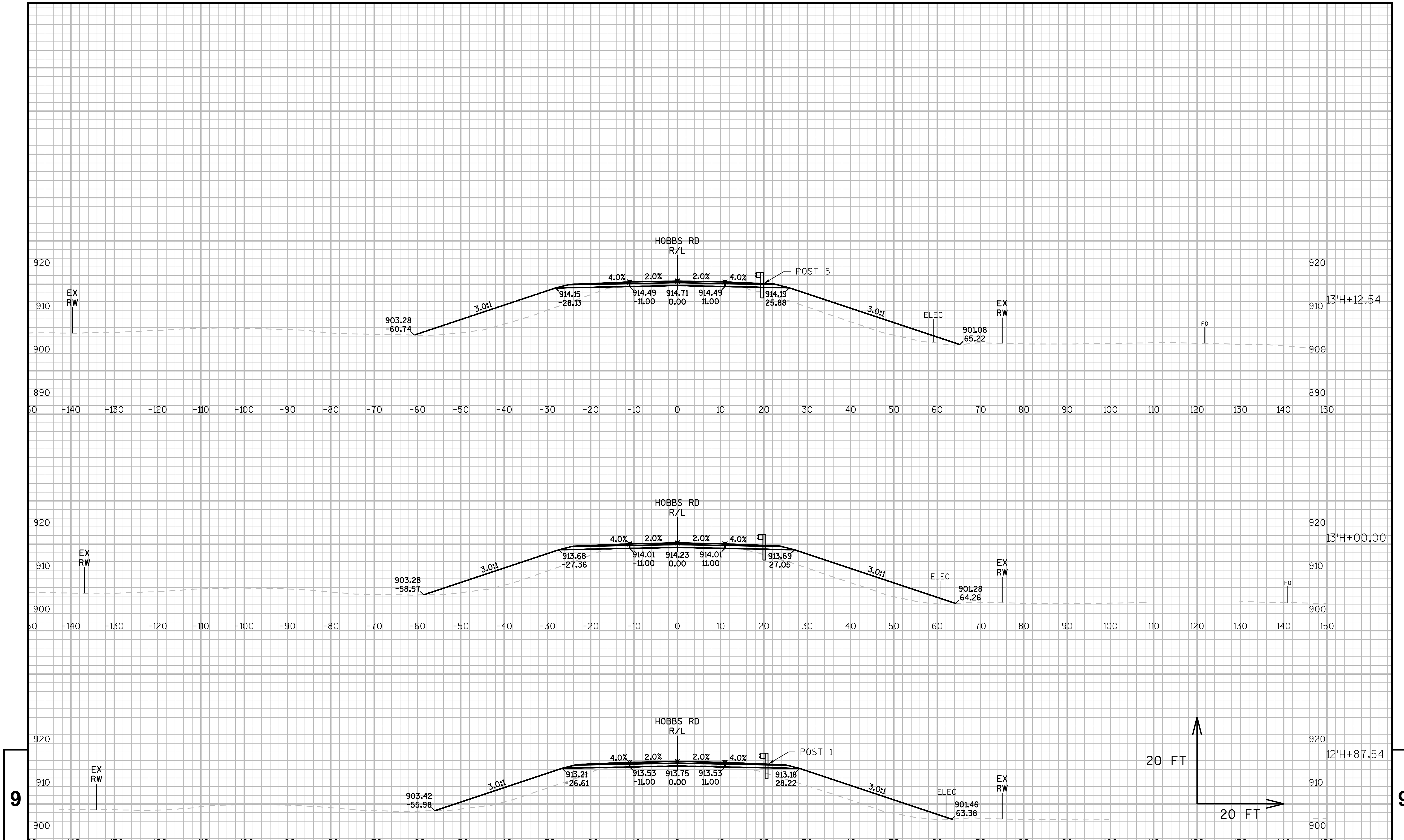
FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090101-XSNEW 11.18.2016BACKUPCOPY.DWG
LAYOUT NAME - HOBBS RD - (01)

PLOT DATE : 1/5/2017 10:29 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: HOBBS RD	SHEET	E



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: HOBBS RD	SHEET	E

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LAYOUT NAME - HOBBS RD - (03)
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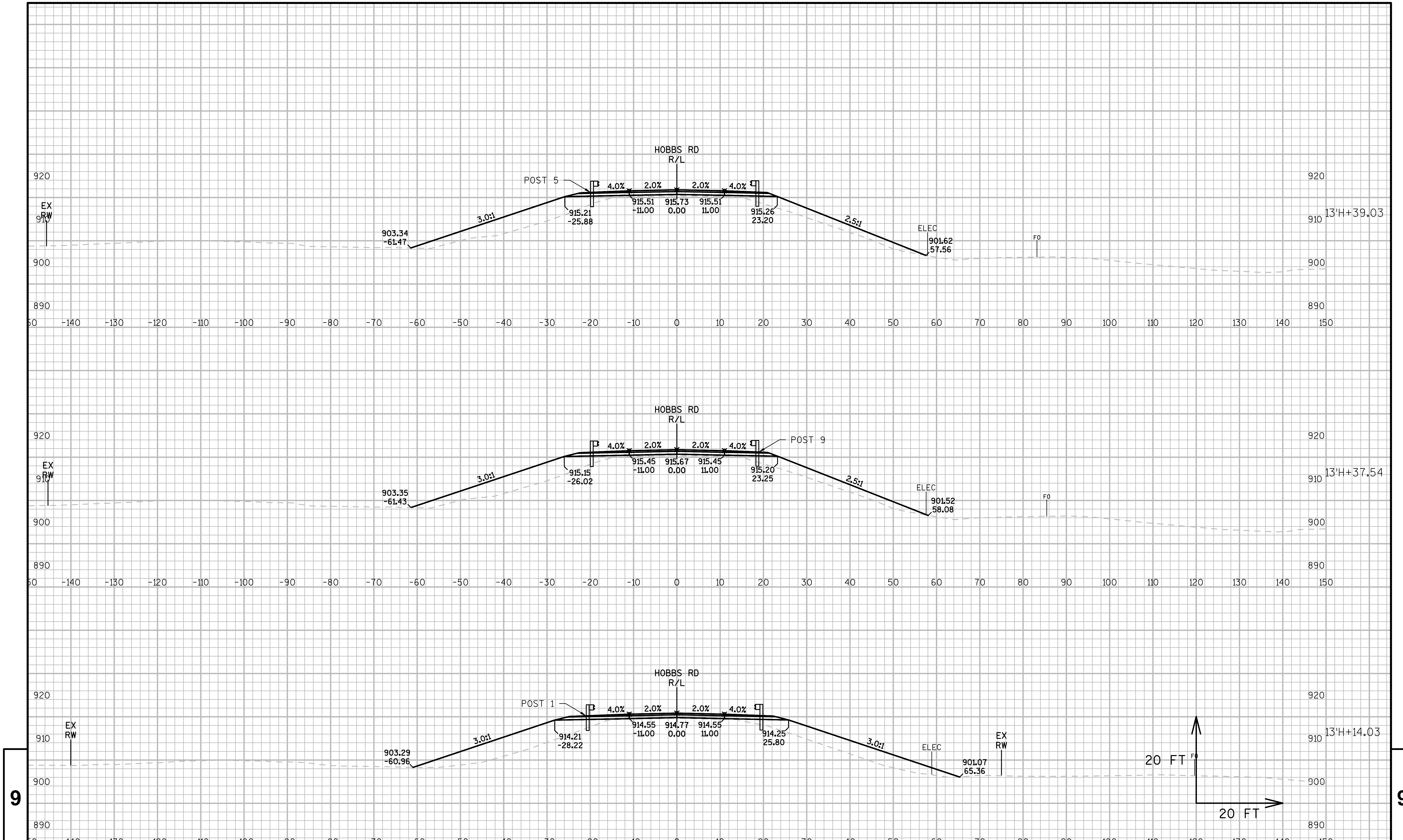
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49


HOBBS RD
R/L
POST 5
4.0%
2.0%
2.0%
4.0%
915.51
-11.00
915.73
0.00
915.51
11.00
915.21
-25.88
915.26
23.20
3.0:1
2.5:1
903.34
-61.47
ELEC
901.62
57.56
FO
EX
RW
13'H+39.03
HOBBS RD
R/L
POST 9
4.0%
2.0%
2.0%
4.0%
915.45
-11.00
915.67
0.00
915.45
11.00
915.15
-26.02
915.20
23.25
3.0:1
2.5:1
903.35
-61.43
ELEC
901.52
58.08
FO
EX
RW
13'H+37.54
HOBBS RD
R/L
POST 1
4.0%
2.0%
2.0%
4.0%
914.55
-11.00
914.77
0.00
914.55
11.00
914.21
-28.22
914.25
25.80
3.0:1
3.0:1
903.29
-60.96
ELEC
901.07
65.36
EX
RW
EX
RW
FO
13'H+14.03
20 FT
20 FT
920
910
900
890
-150
-140
-130
-120
-110
-100
-90
-80
-70
-60
-50
-40
-30
-20
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0
10
20
30
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100
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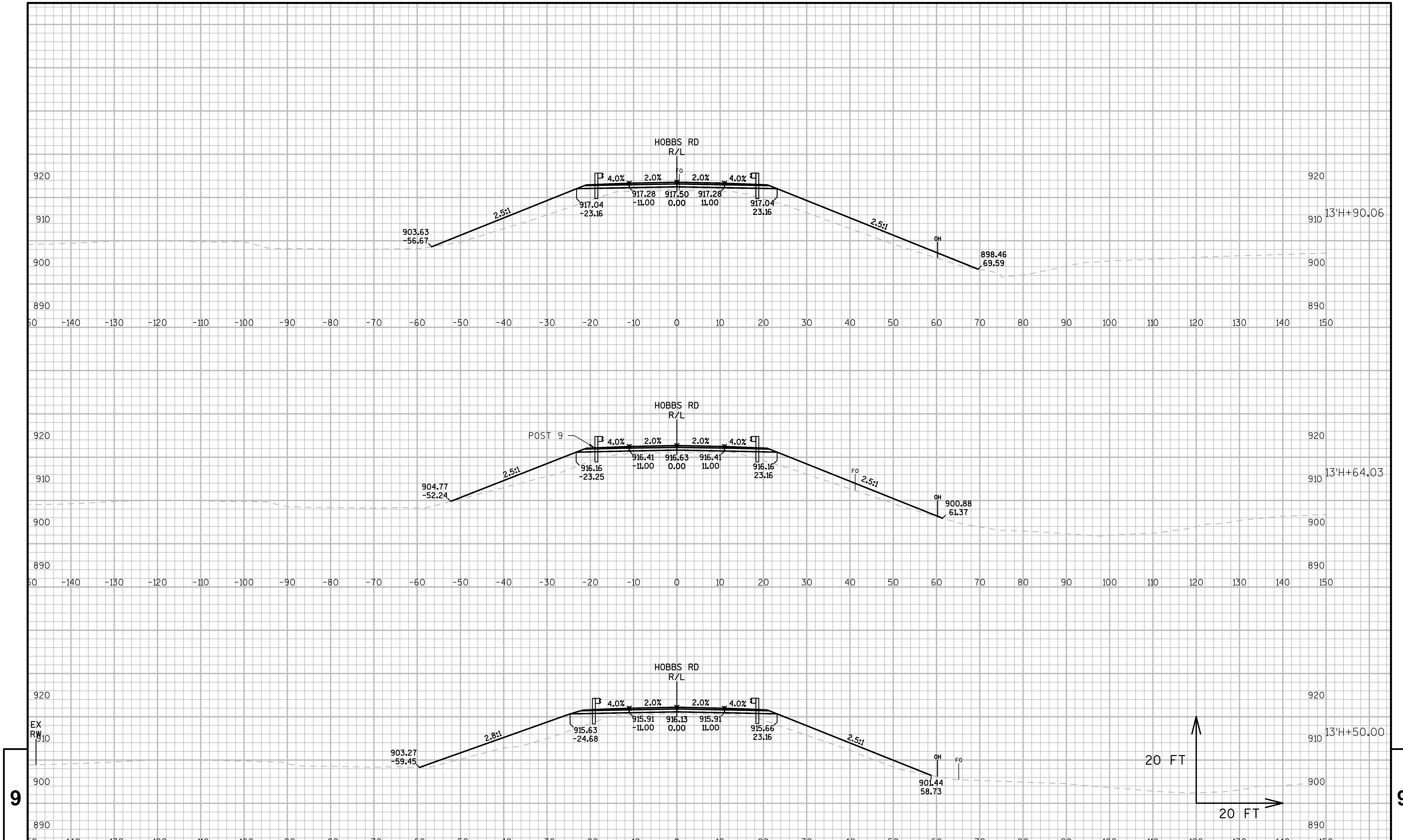
120
130
140
150
9
9



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090101-XSNEW 11.18.2016BACKUPCOPY.DWG
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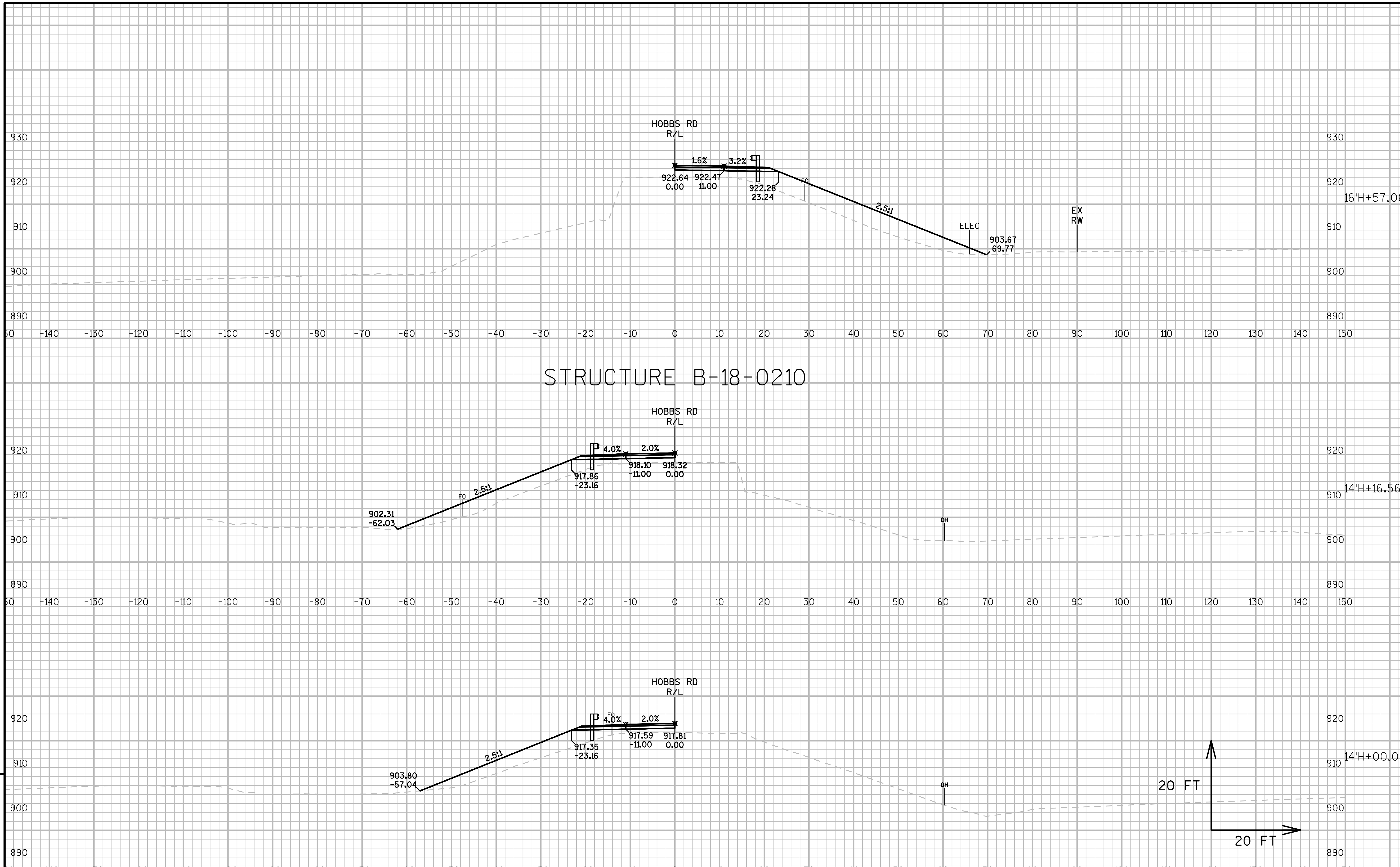
PLOT DATE : 1/5/2017 10:30 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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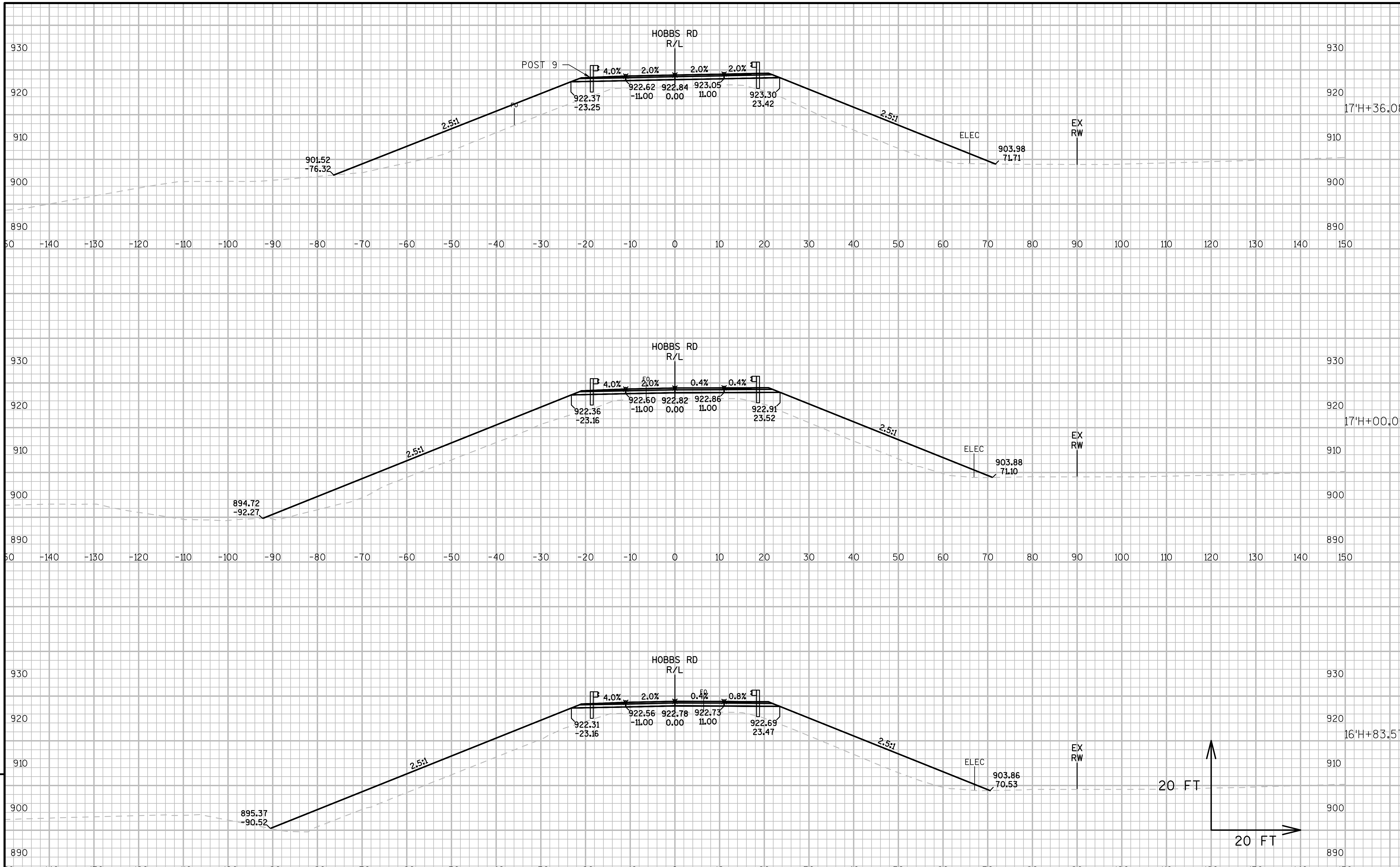
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090101-XSNEW 11.18.2016BACKUPCOPY.DWG
LAYOUT NAME - HOBBS RD - (06)

PLOT DATE : 1/5/2017 10:30 AM   PLOT BY : BUDDEN, LUCAS J   PLOT NAME :   PLOT SCALE : 1 IN:20 FT



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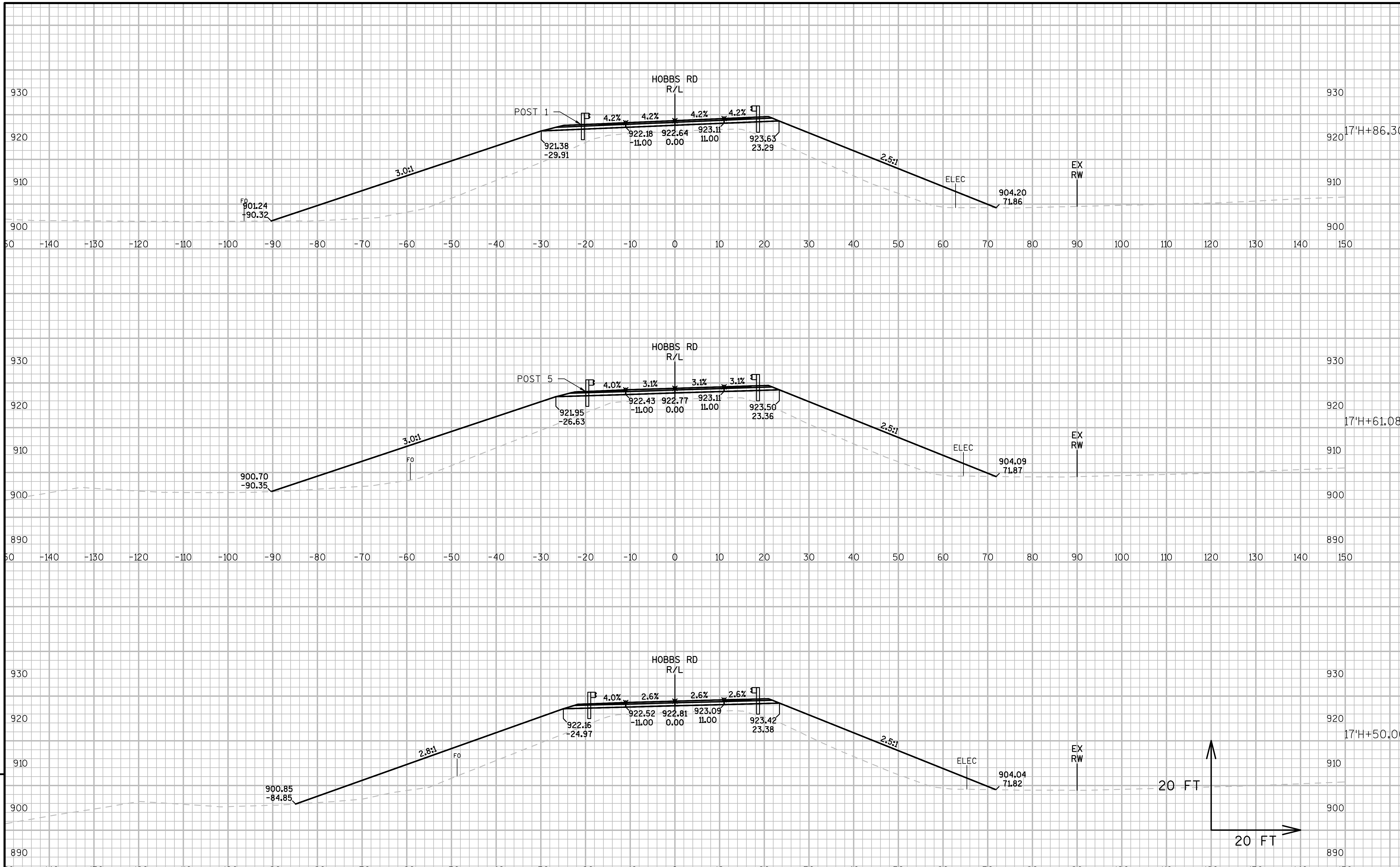
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: HOBBS RD	SHEET	E



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PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:HOBBS RD	SHEET	E

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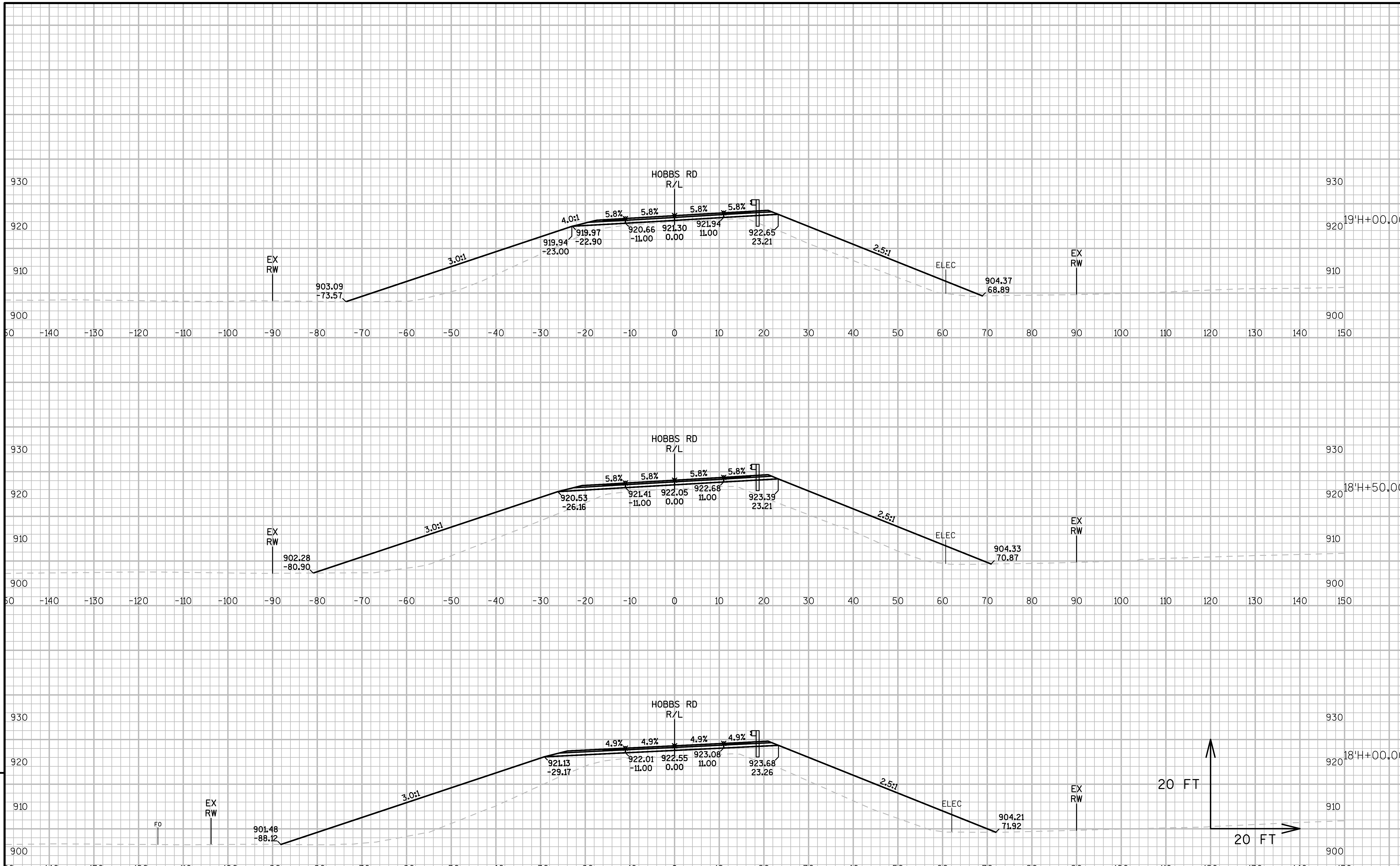

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PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090101-XSNEW 11.18.2016BACKUPCOPY.DWG
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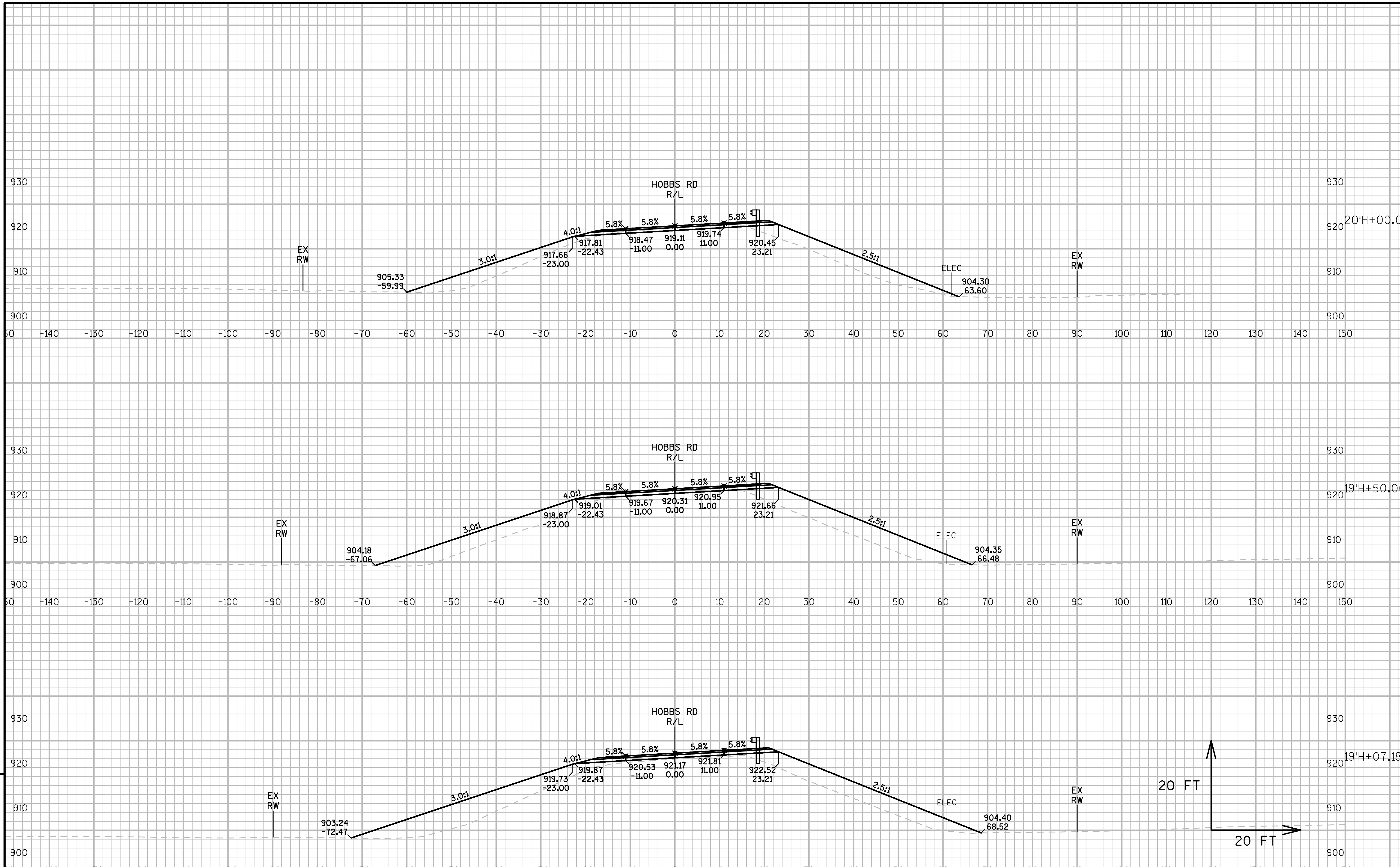
PLOT DATE : 1/5/2017 10:31 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:HOBBS RD	SHEET	E

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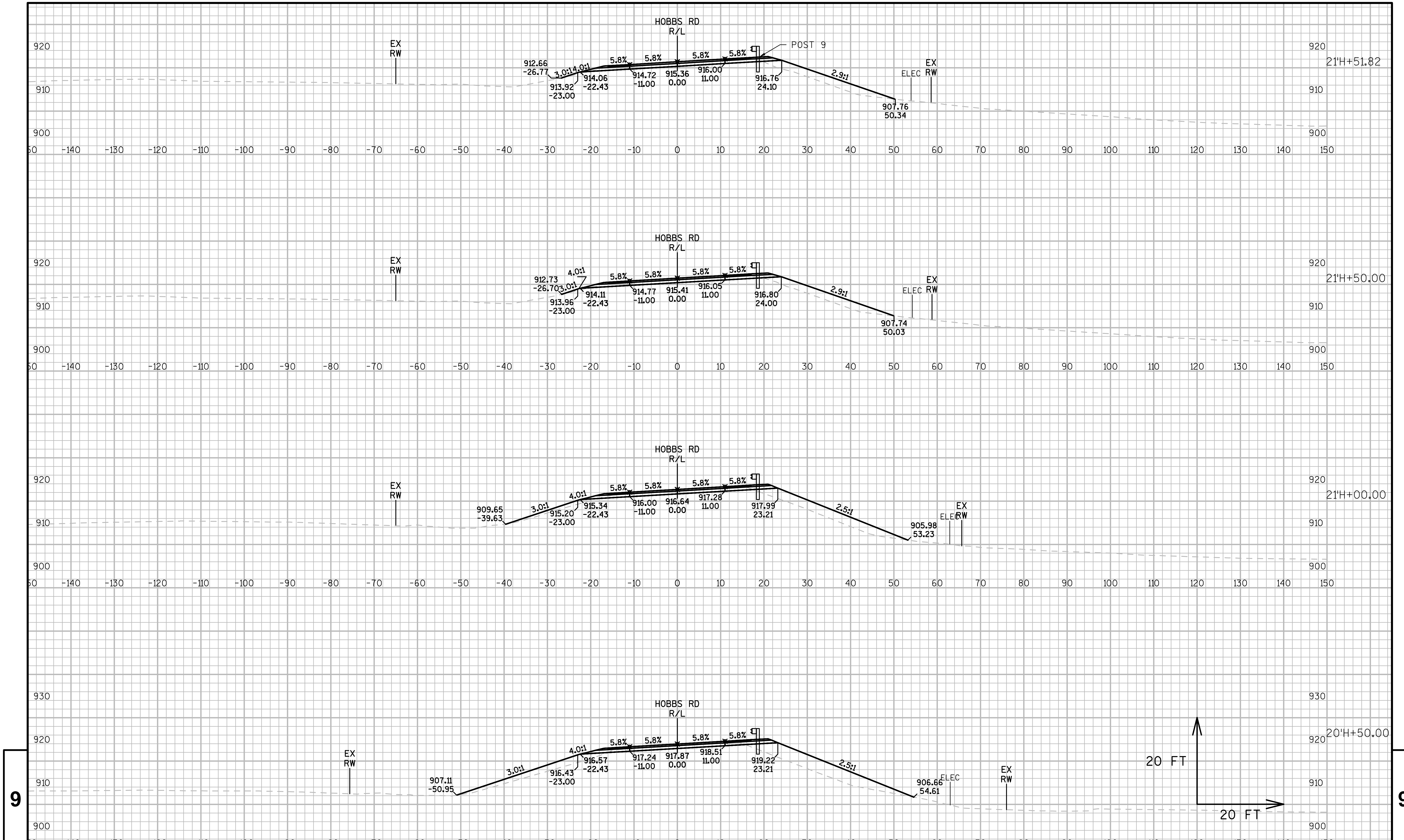
LAYOUT NAME - HOBBS RD - (10)
PLOT DATE : 1/5/2017 10:31 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: HOBBS RD	SHEET	E

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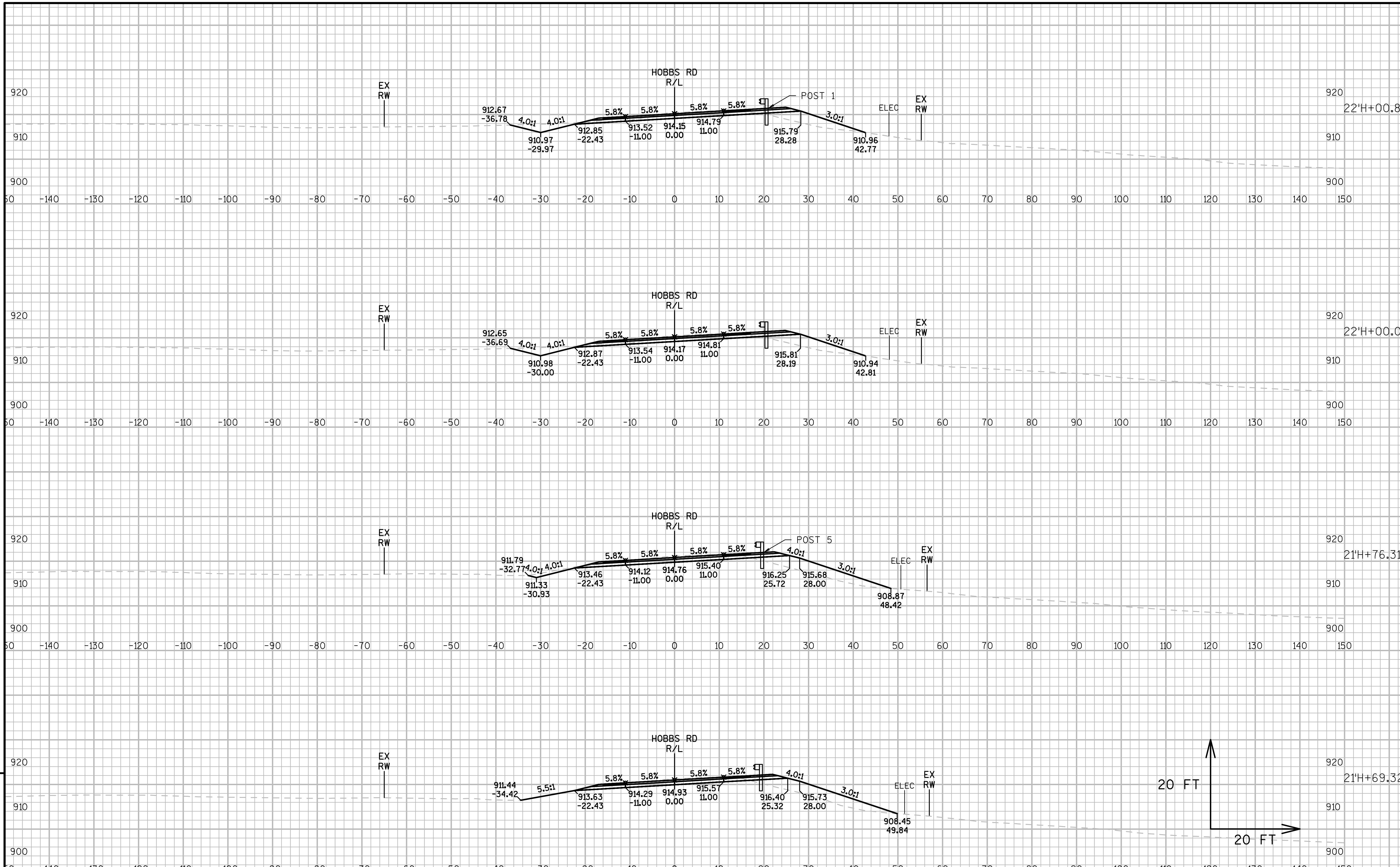

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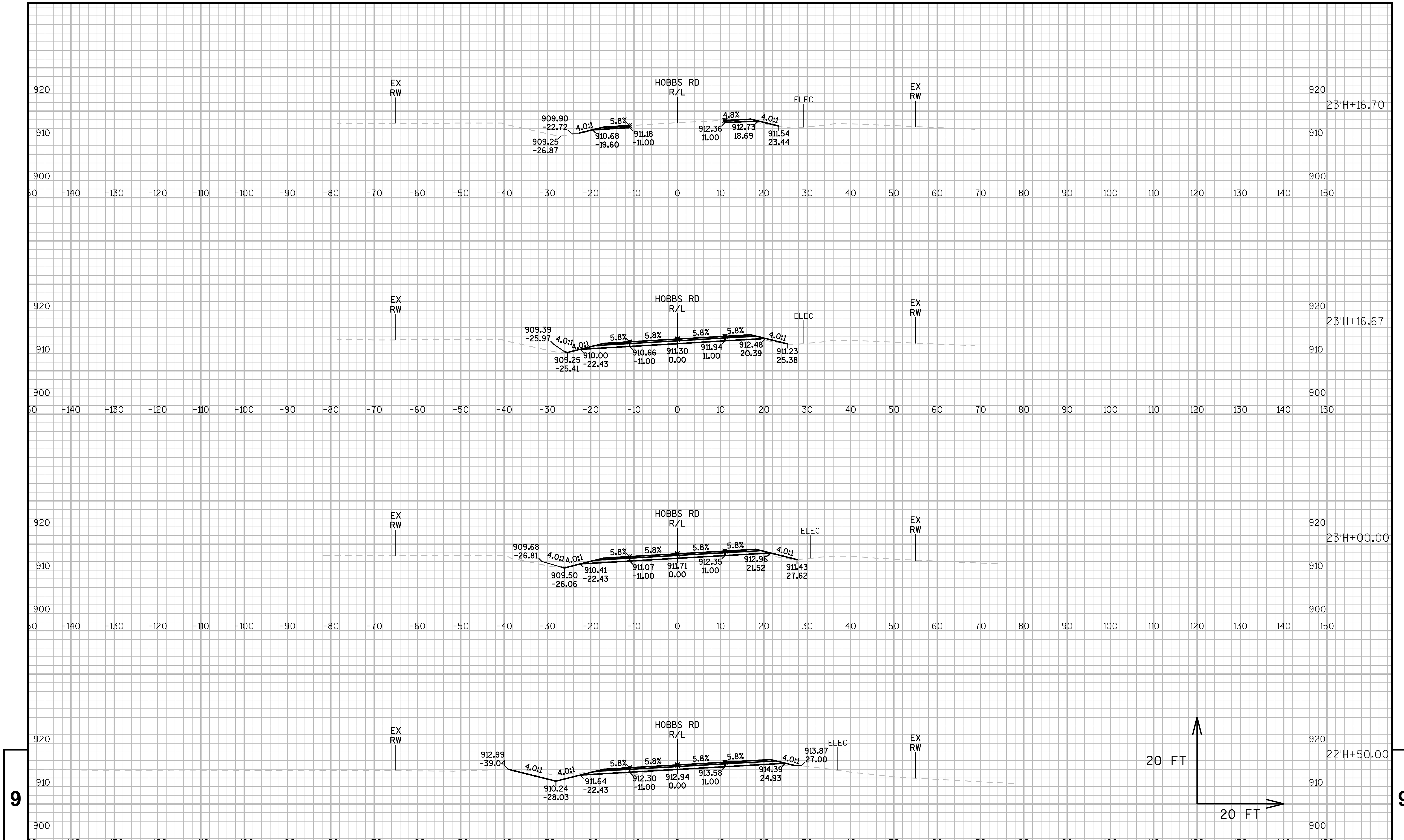
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: HOBBS RD	SHEET	E



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:HOBBS RD	SHEET	E

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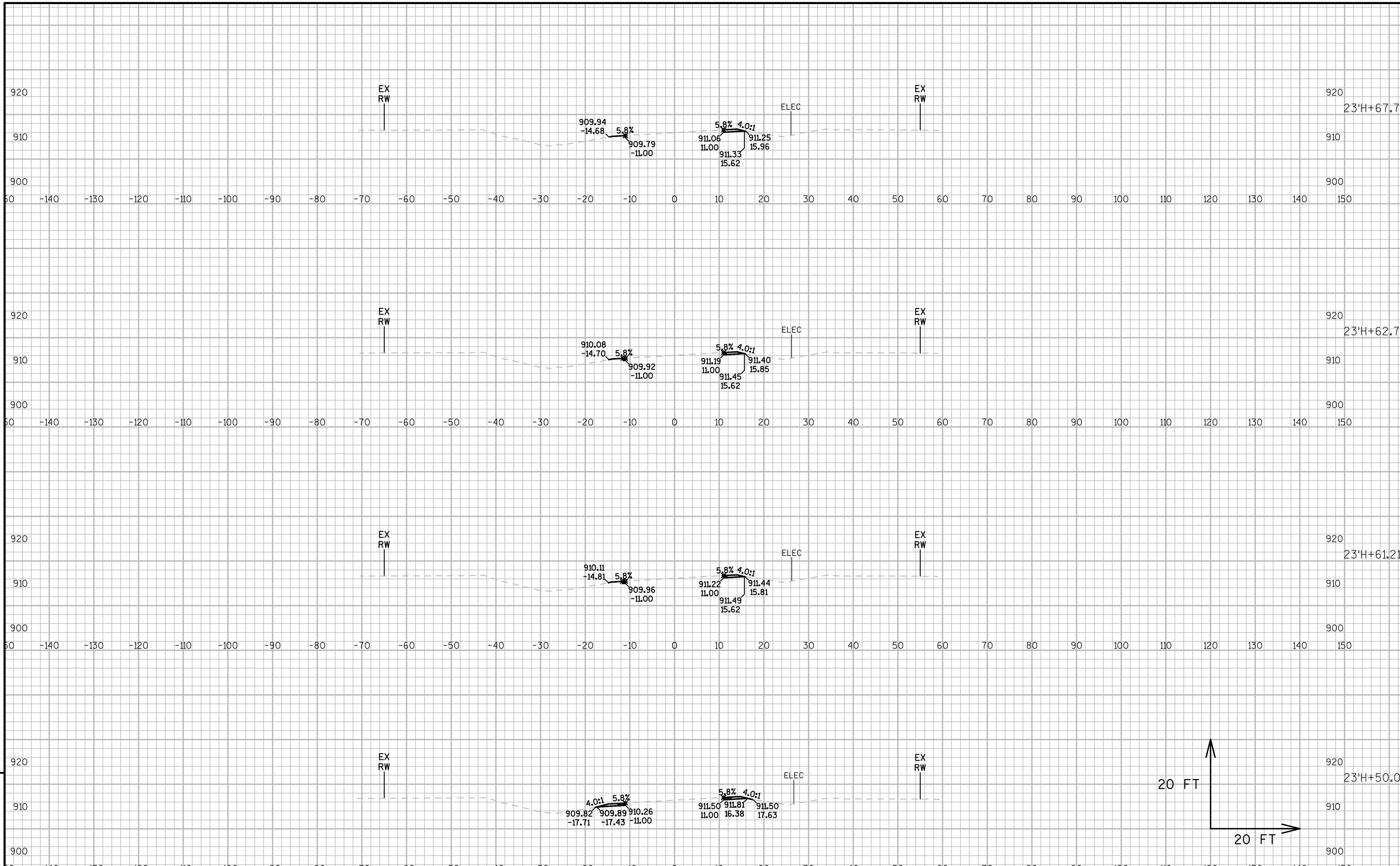
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



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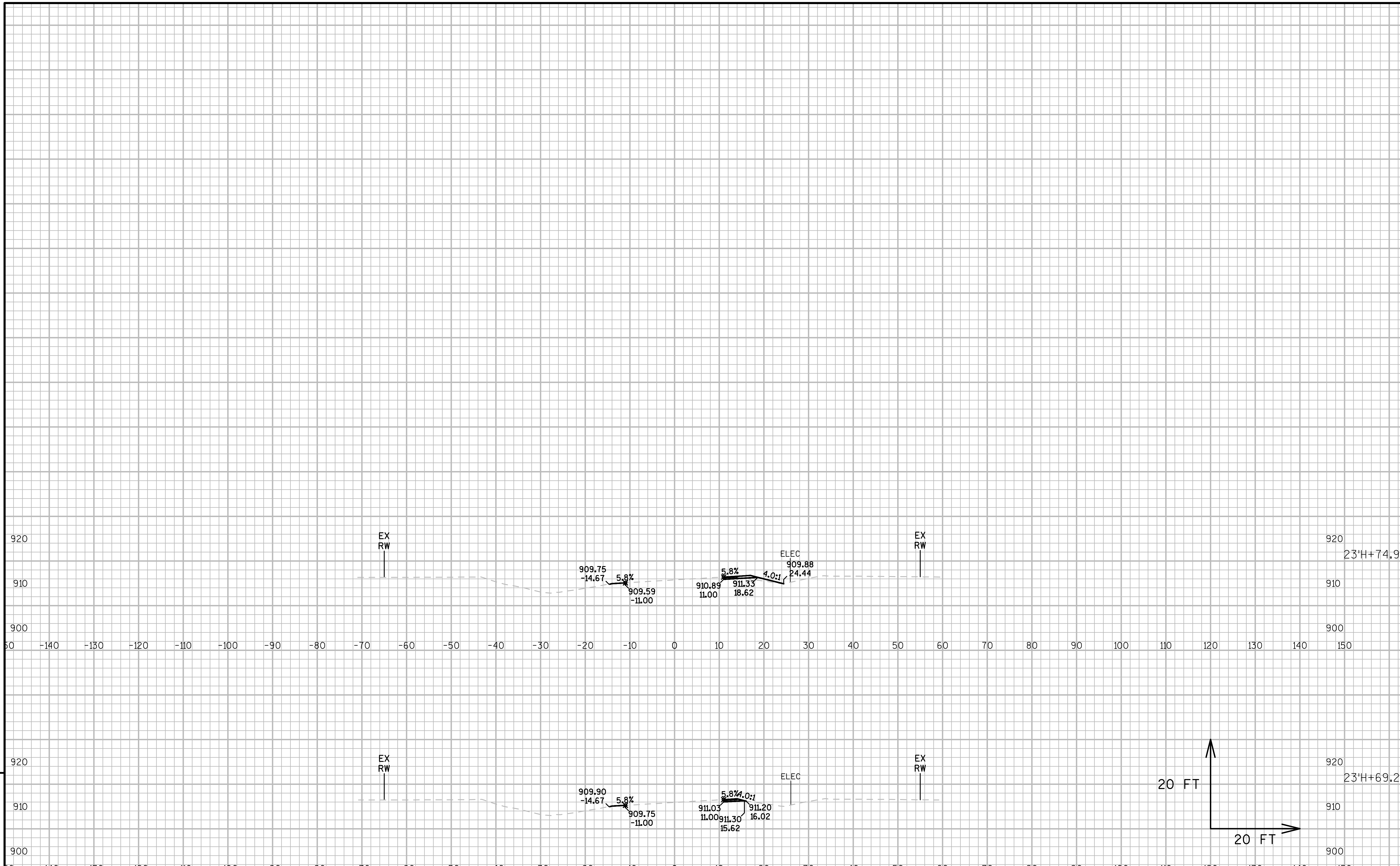
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: HOBBS RD	SHEET	E



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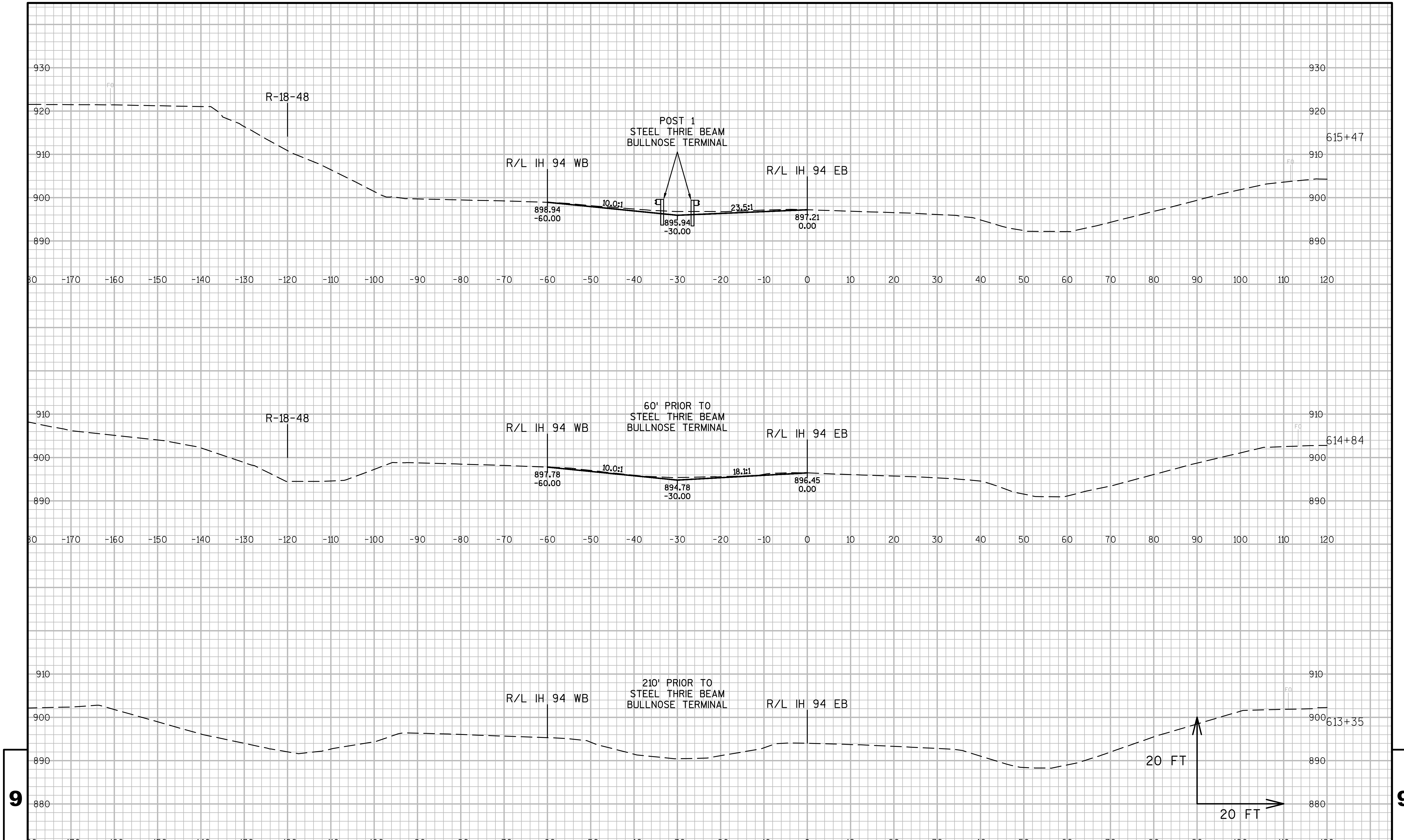
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090101-XSNEW 11.18.2016BACKUPCOPY.DWG
LAYOUT NAME - HOBBS RD - (15)

PLOT DATE : 1/5/2017 10:33 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49

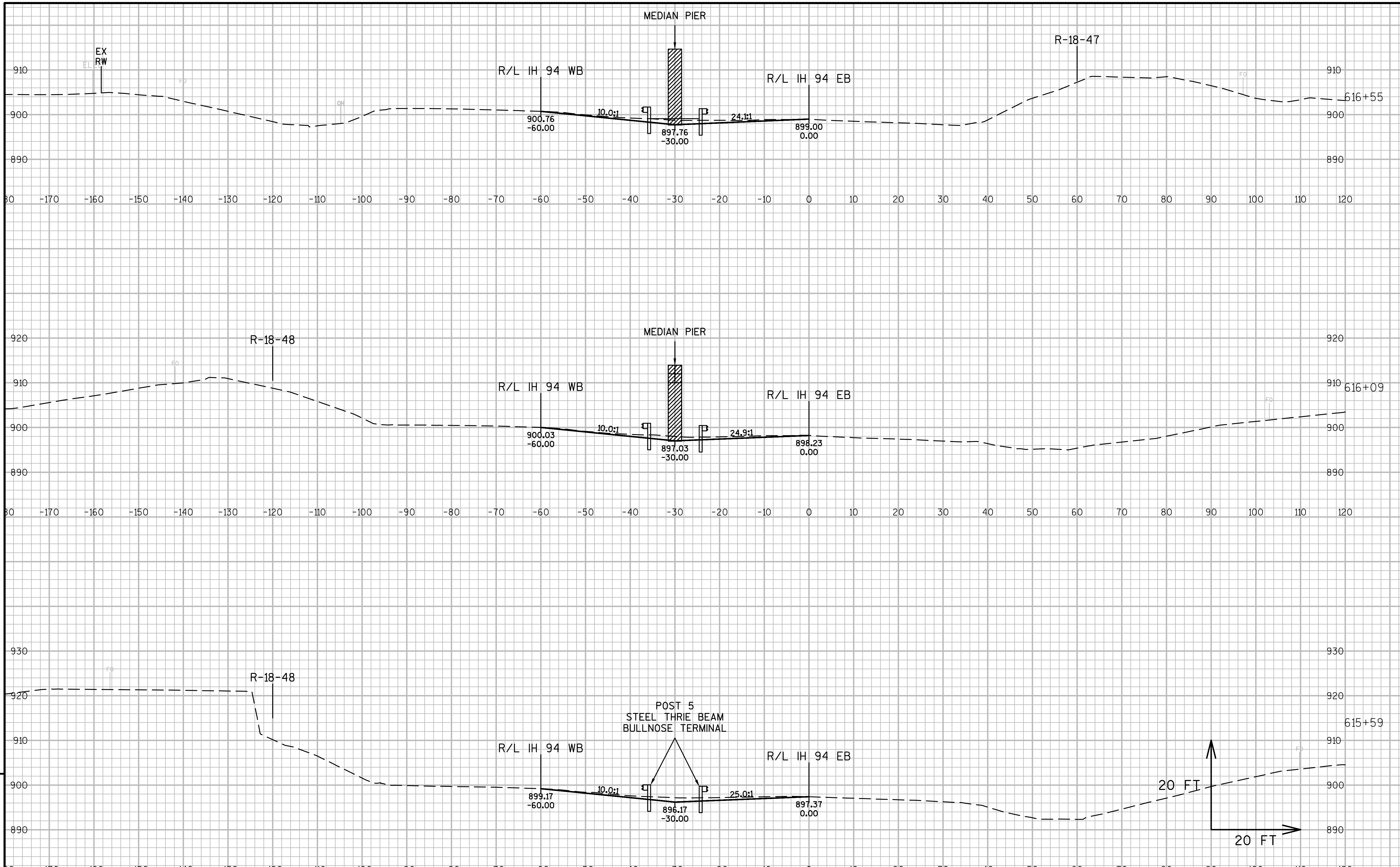


PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 MEDIAN AT HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\DESIGN\CORRIDORS\CRDR-CTHI-BEGIN-TO-END MEDIAN BG.DWG
LAYOUT NAME - HOBBS MEDIAN BG - (01)

PLOT DATE : 2/22/2017 2:16 PM   PLOT BY : BUDDEN, LUCAS J   PLOT NAME :   PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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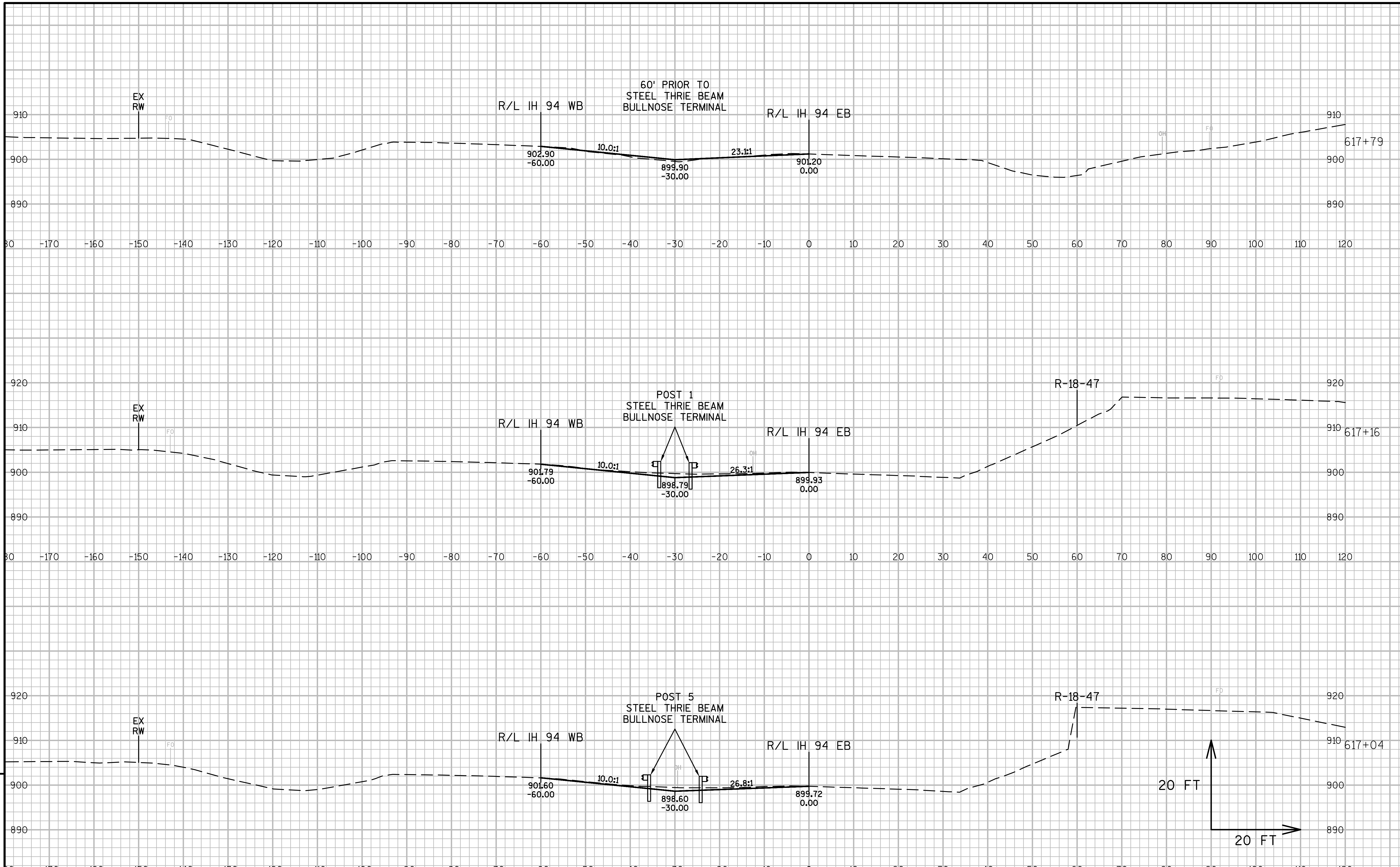
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:IH 94 MEDIAN AT HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\DESIGN\CORRIDORS\CRDR-CTHI-BEGIN-TO-END MEDIAN BG.DWG
LAYOUT NAME - HOBBS MEDIAN BG - (02)
PLOT DATE : 2/22/2017 2:17 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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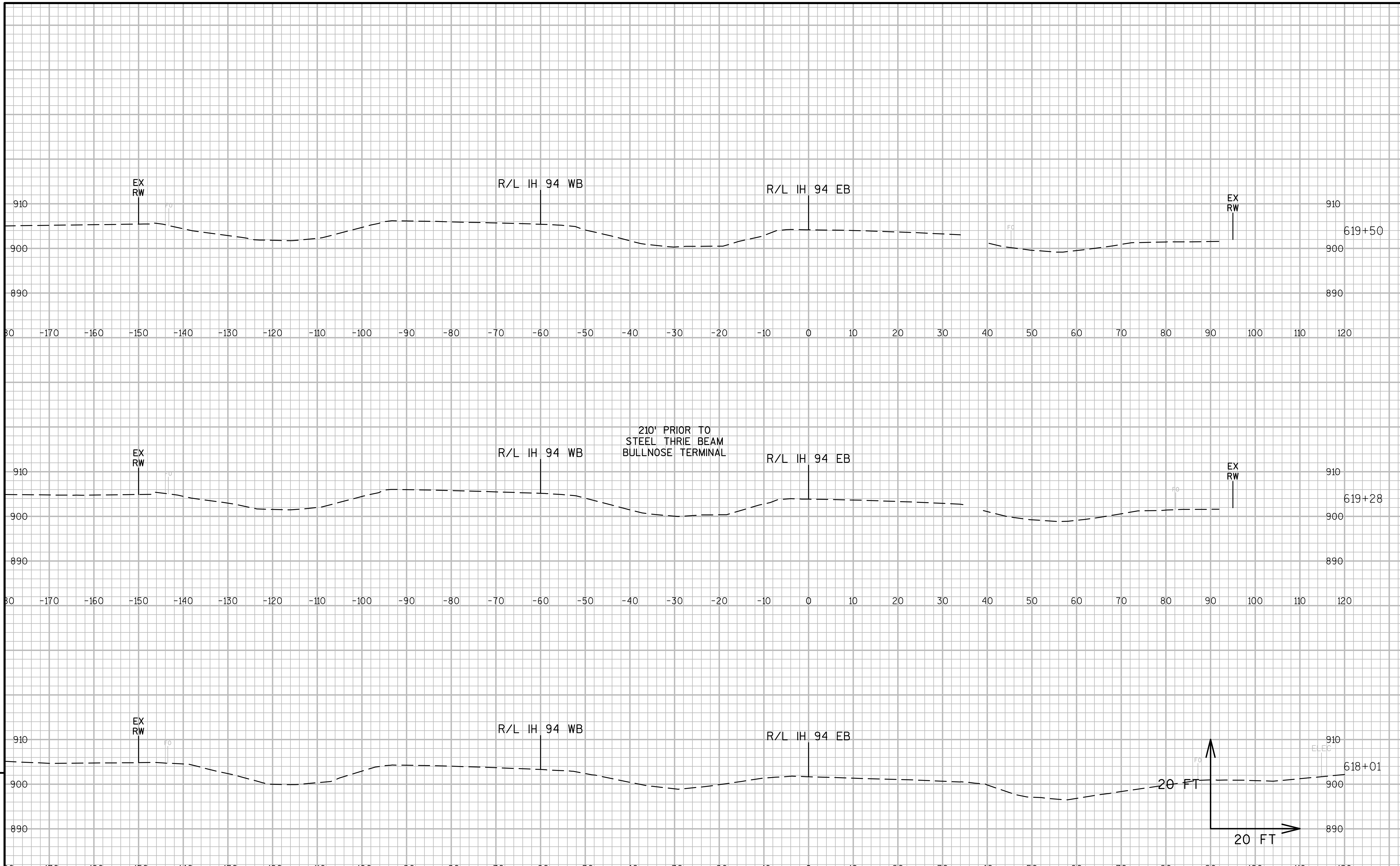
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 MEDIAN AT HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\DESIGN\CORRIDORS\CRDR-CTHI-BEGIN-TO-END MEDIAN BG.DWG
LAYOUT NAME - HOBBS MEDIAN BG - (03)
PLOT DATE : 2/22/2017 2:17 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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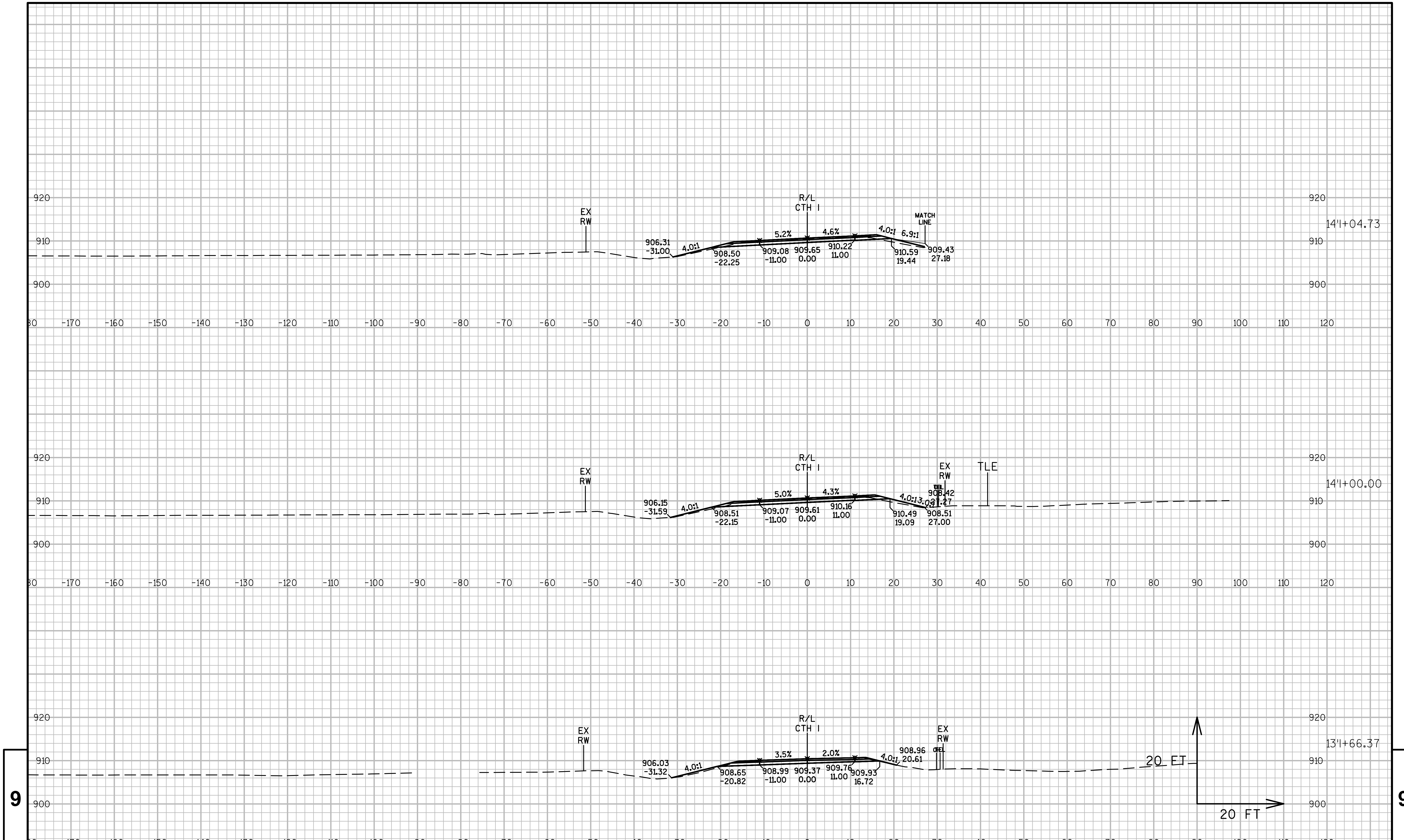
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 MEDIAN AT HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\DESIGN\CORRIDORS\CRDR-CTHI-BEGIN-TO-END MEDIAN BG.DWG
LAYOUT NAME - HOBBS MEDIAN BG - (04)

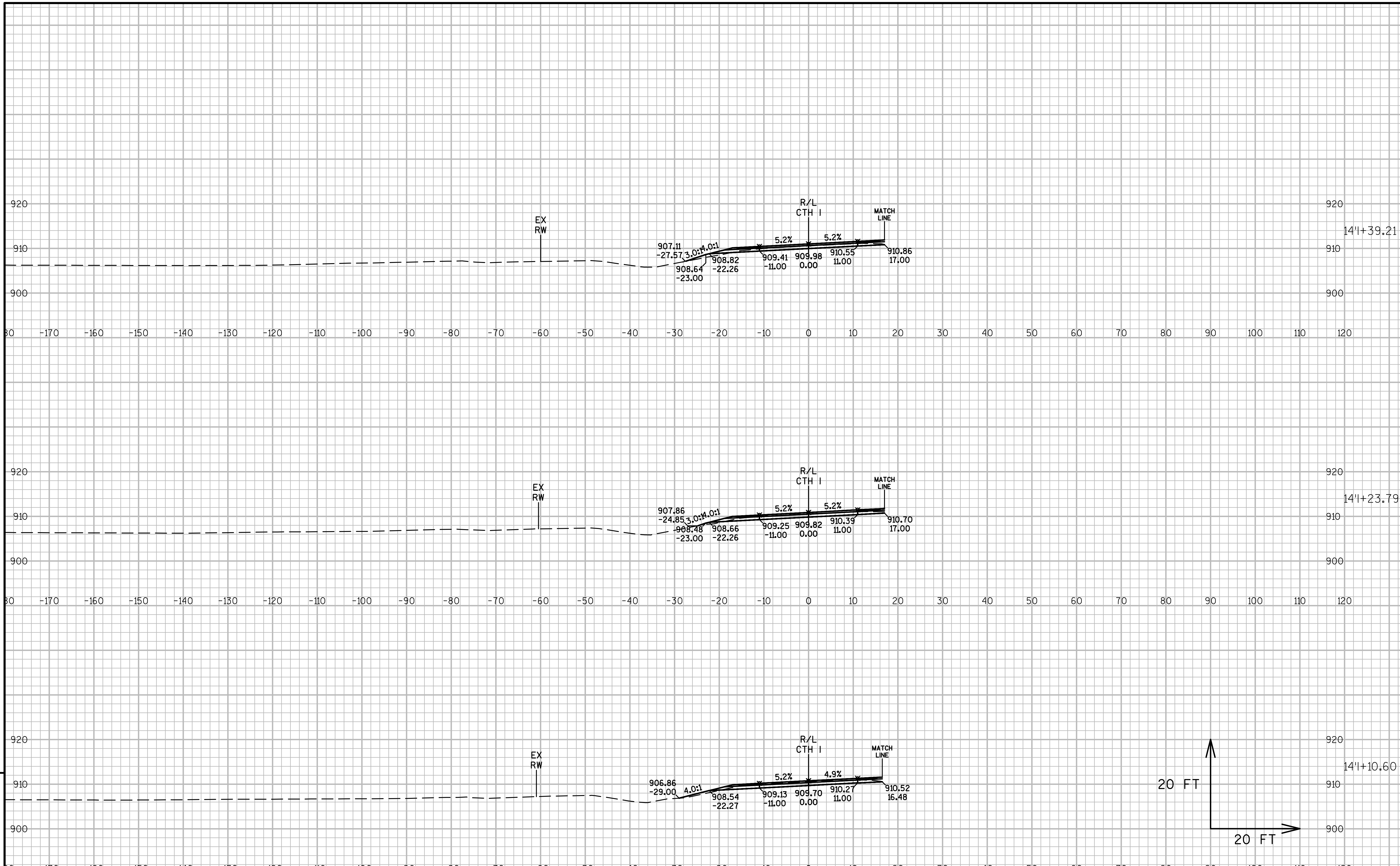
PLOT DATE : 2/22/2017 2:17 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (01)
PLOT DATE : 2/20/2017 8:39 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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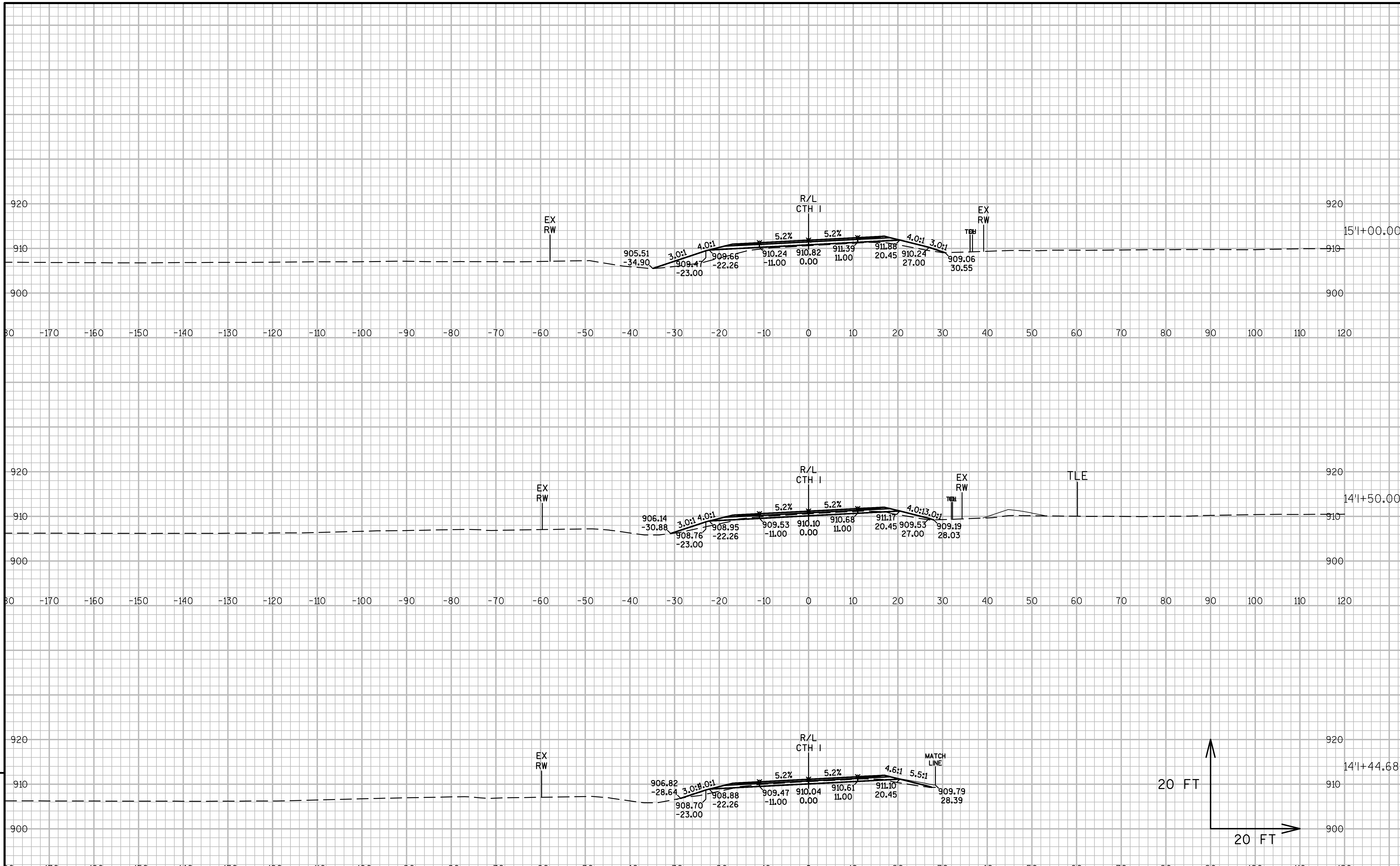
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (02)
PLOT DATE : 2/20/2017 8:39 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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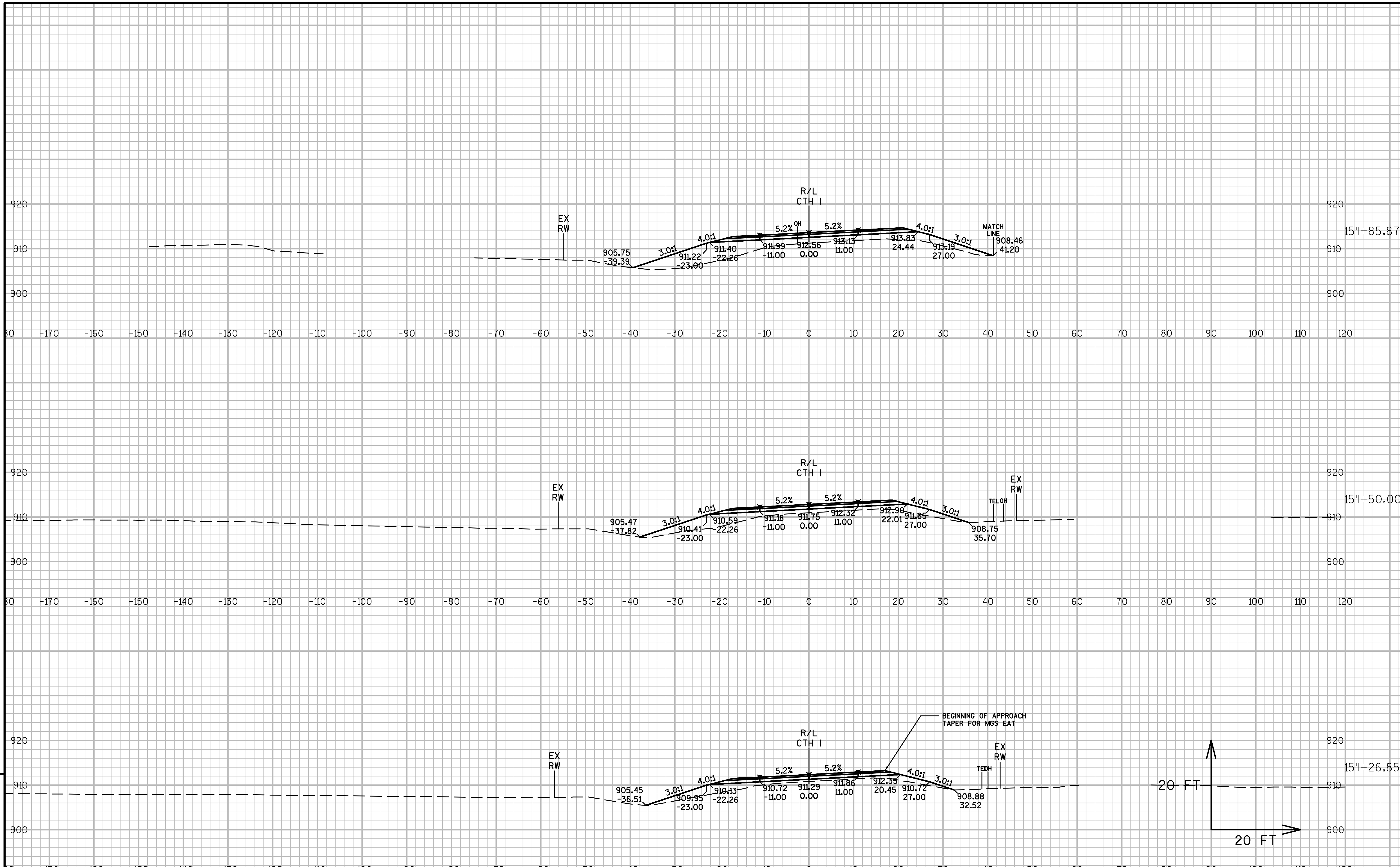
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (03)
PLOT DATE : 2/20/2017 8:39 AM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



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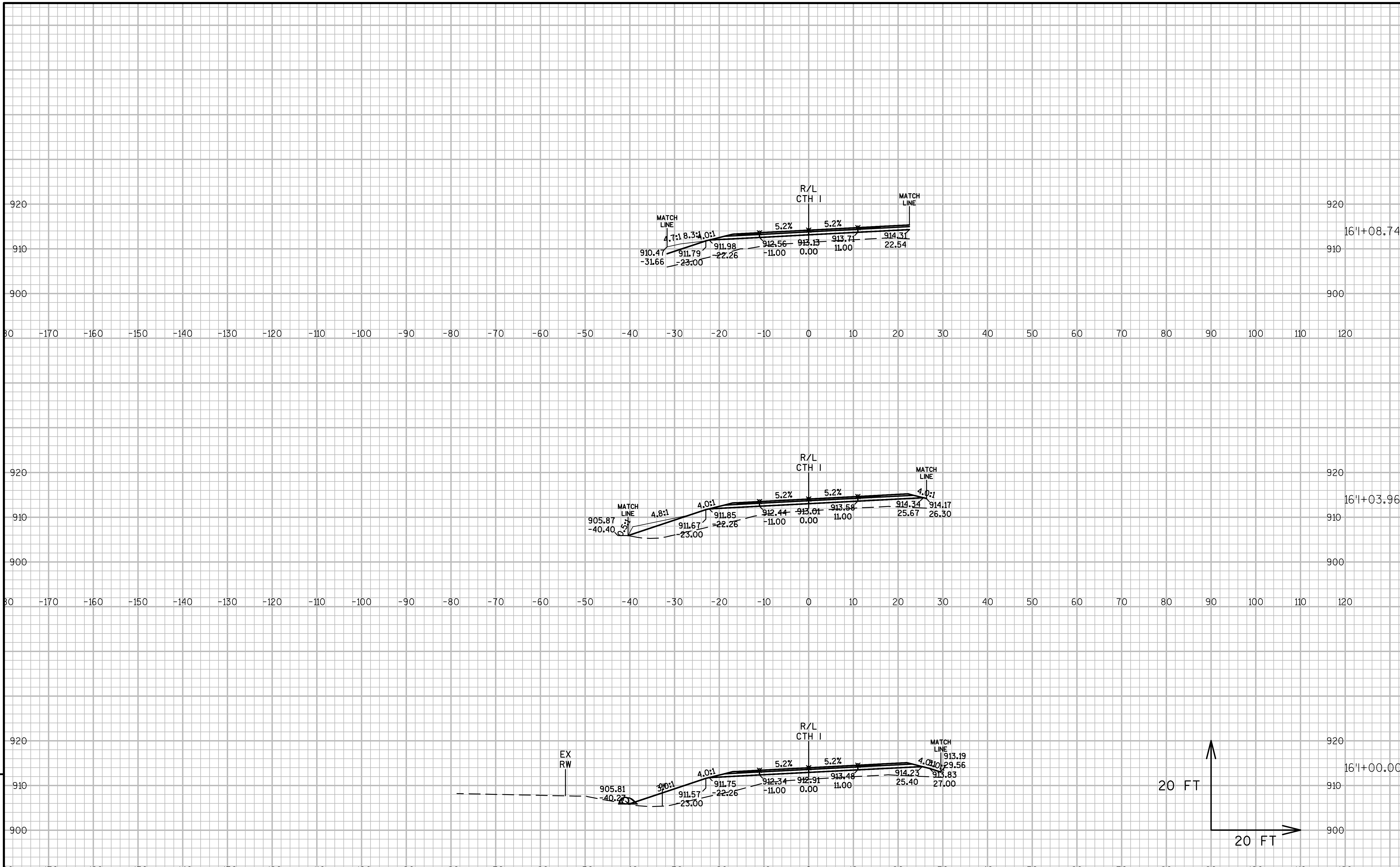
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (04)
PLOT DATE : 2/20/2017 8:40 AM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



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PROJECT NO:1021-03-74 | HWY:IH 94 | COUNTY:EAU CLAIRE | CROSS SECTIONS: CTH I | SHEET | E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (05)
PLOT DATE : 2/20/2017 8:40 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT

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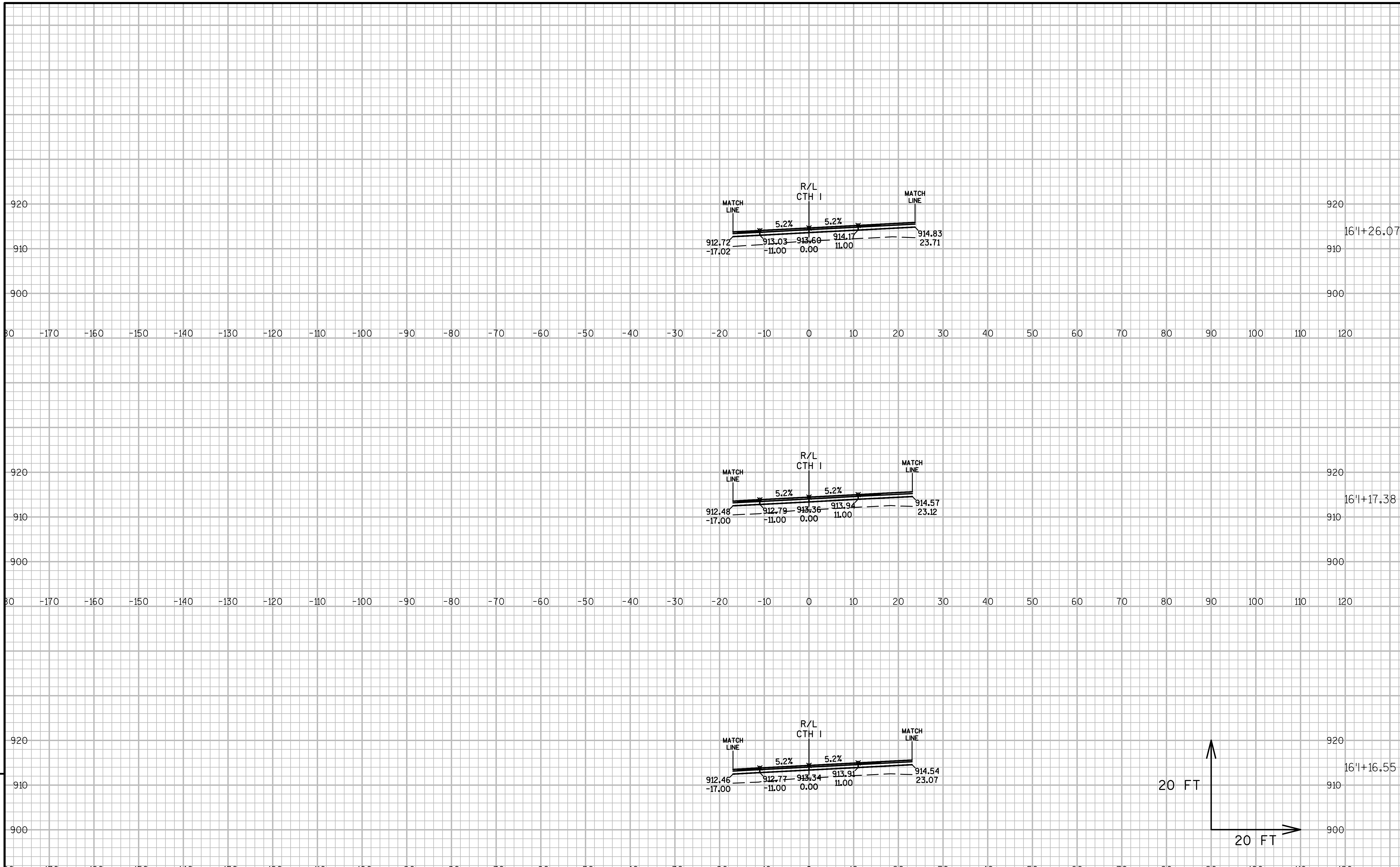

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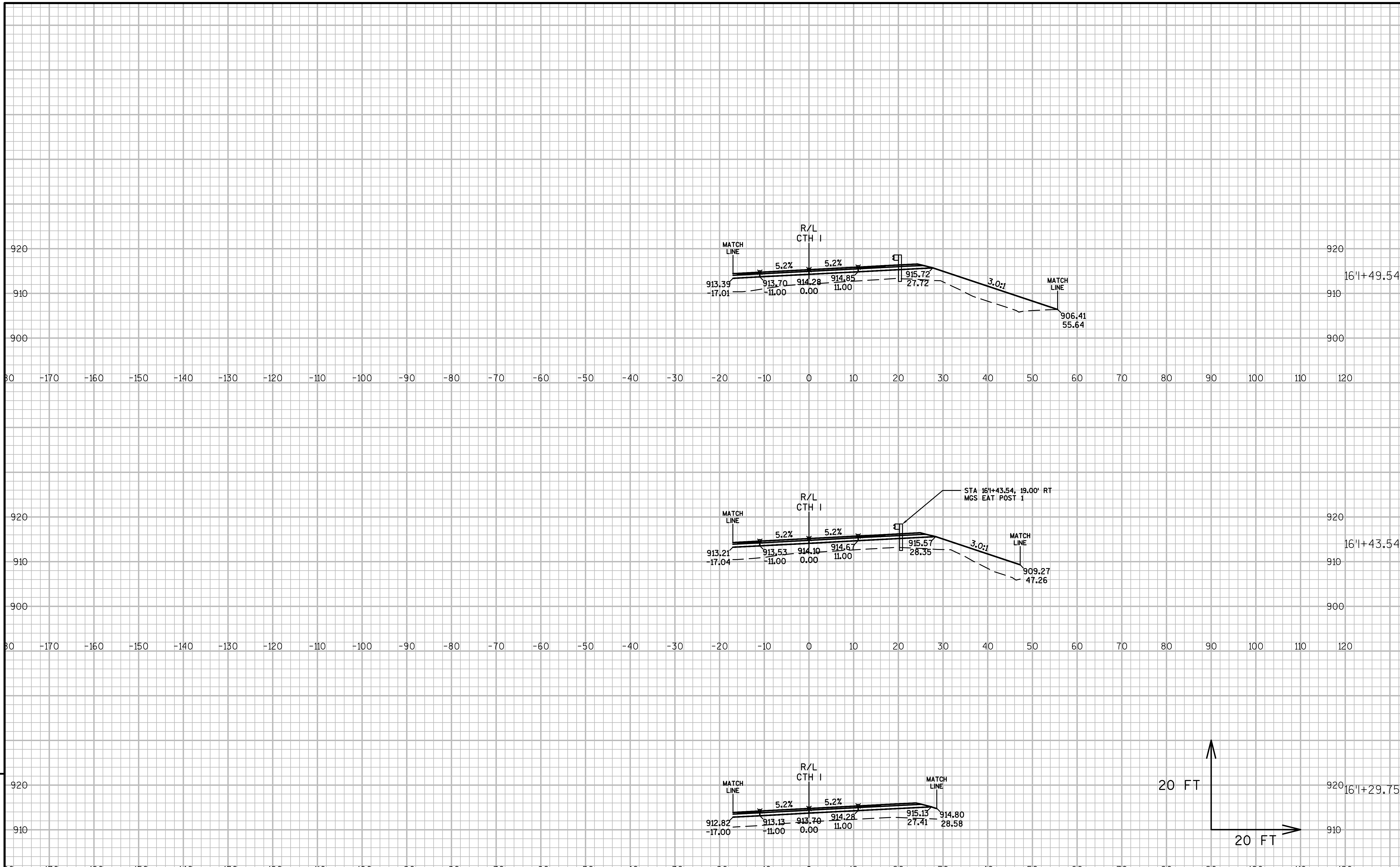
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (06)
PLOT DATE : 2/20/2017 8:40 AM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



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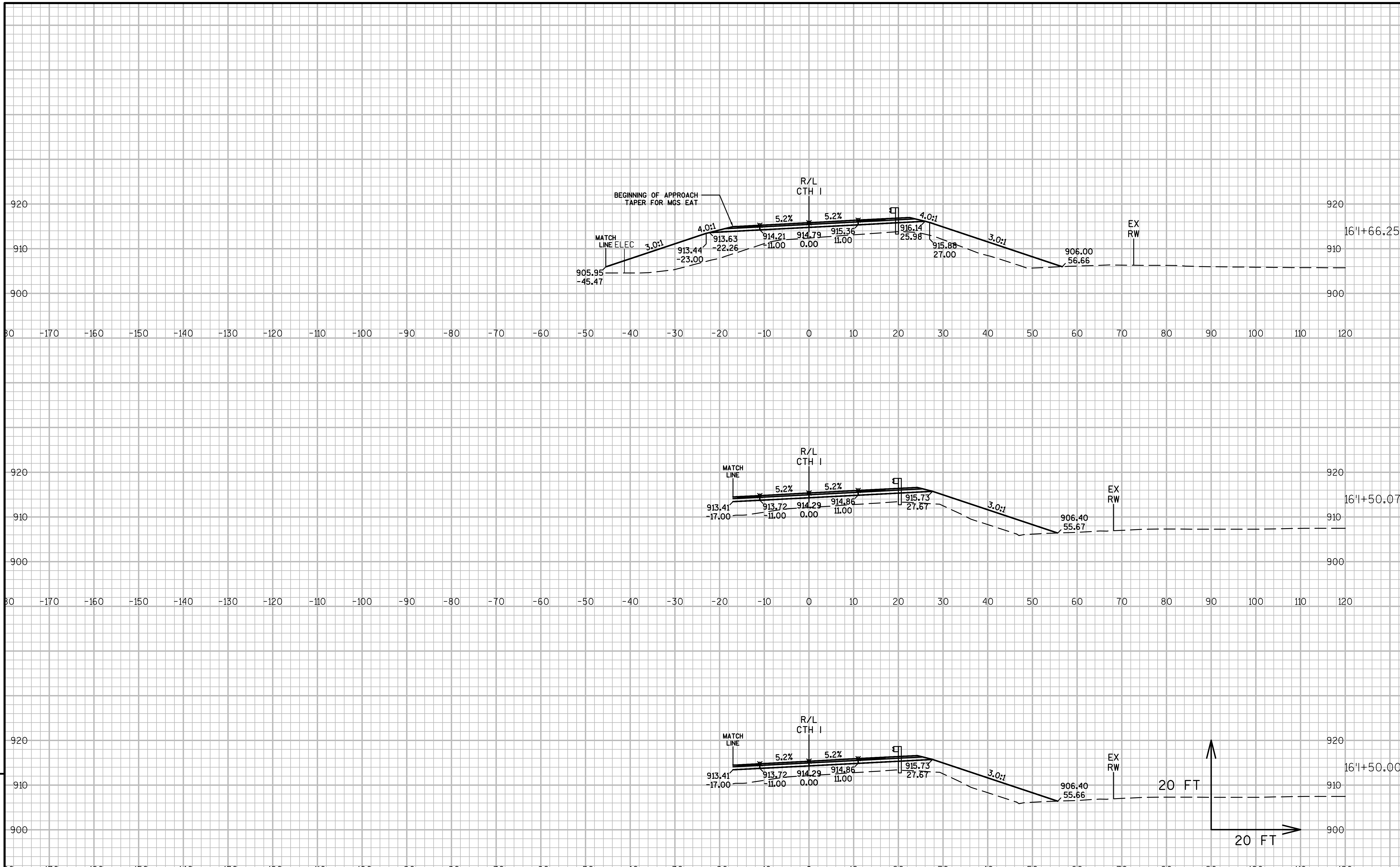
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (07)
PLOT DATE : 2/20/2017 8:40 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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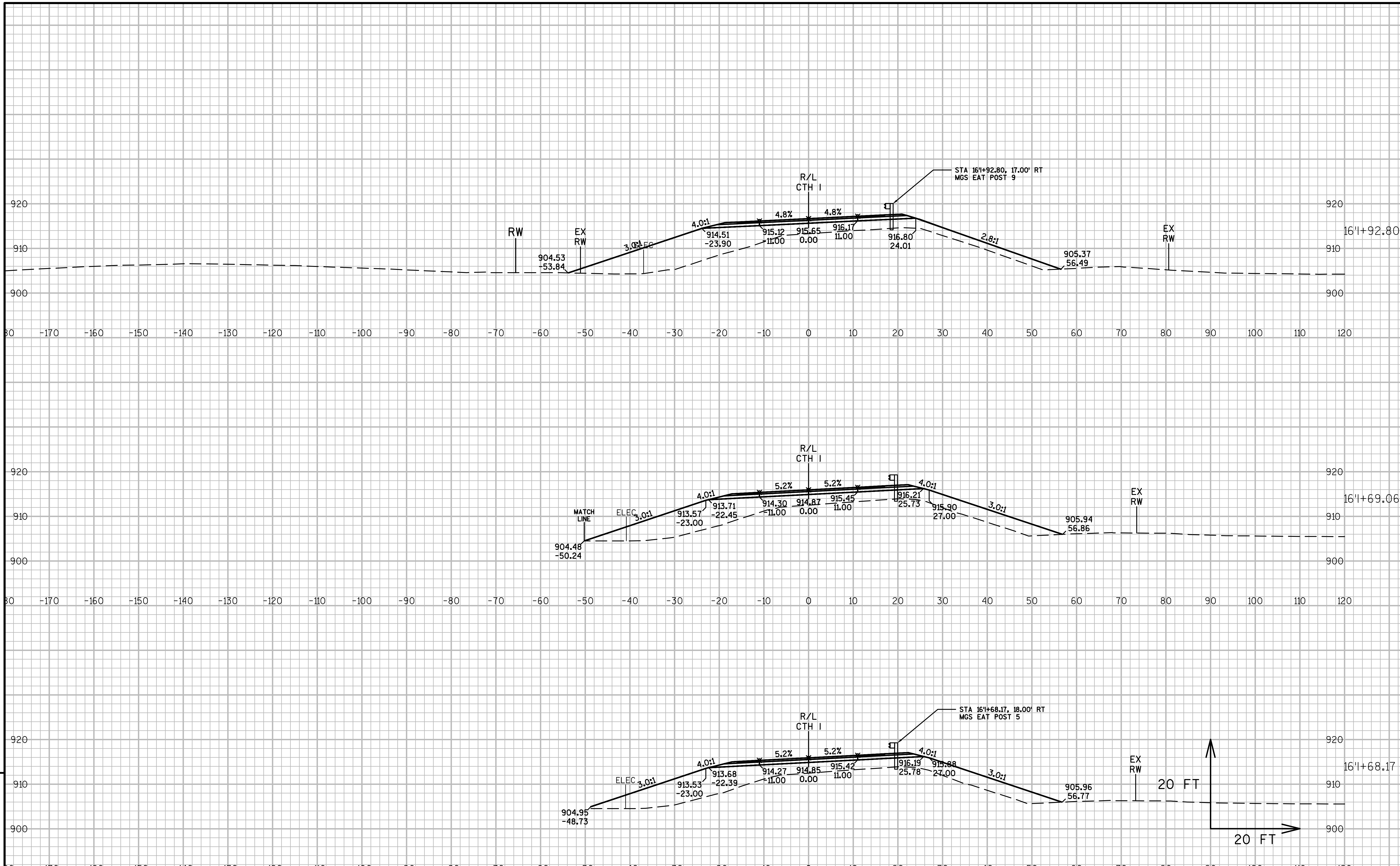
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



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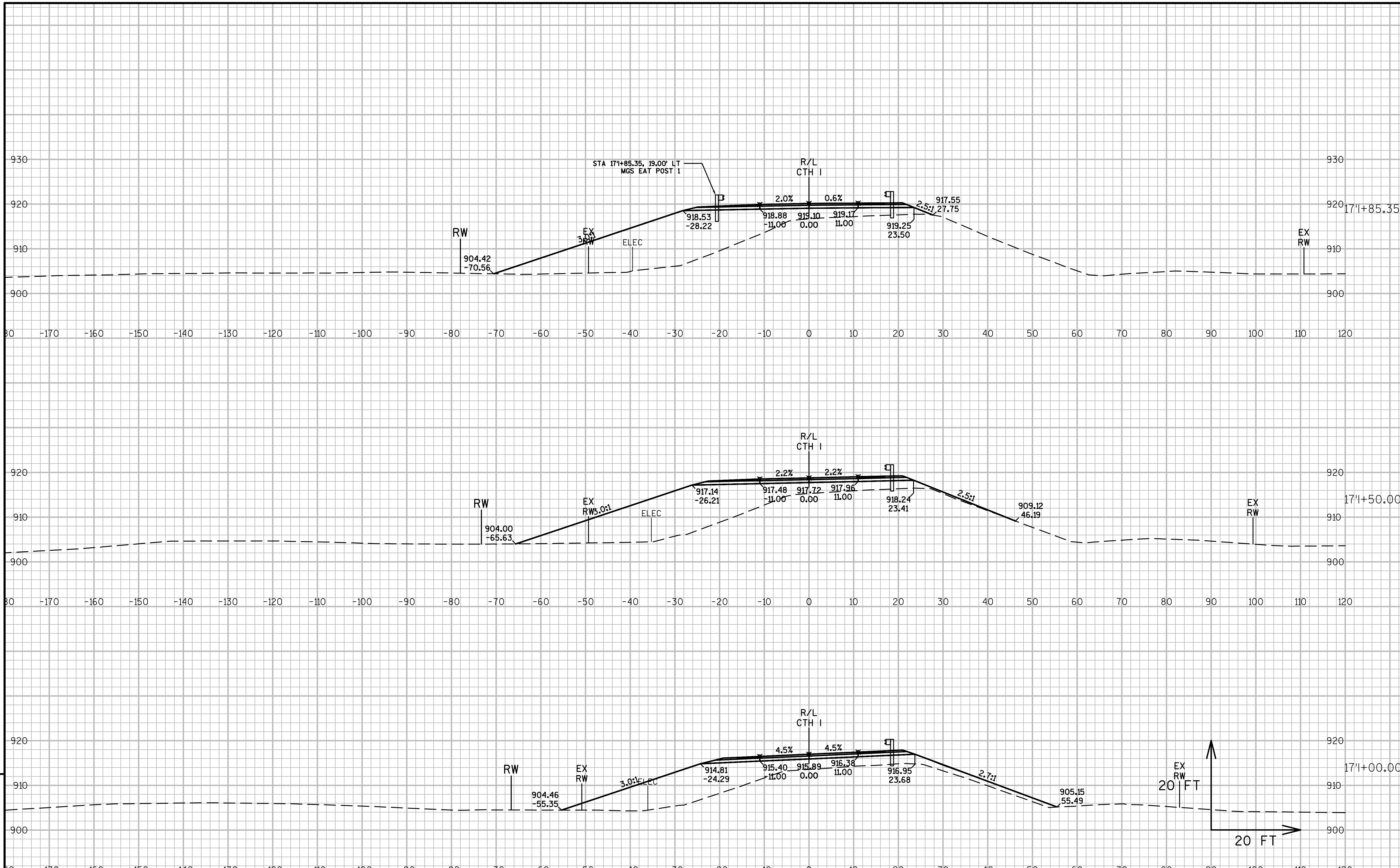
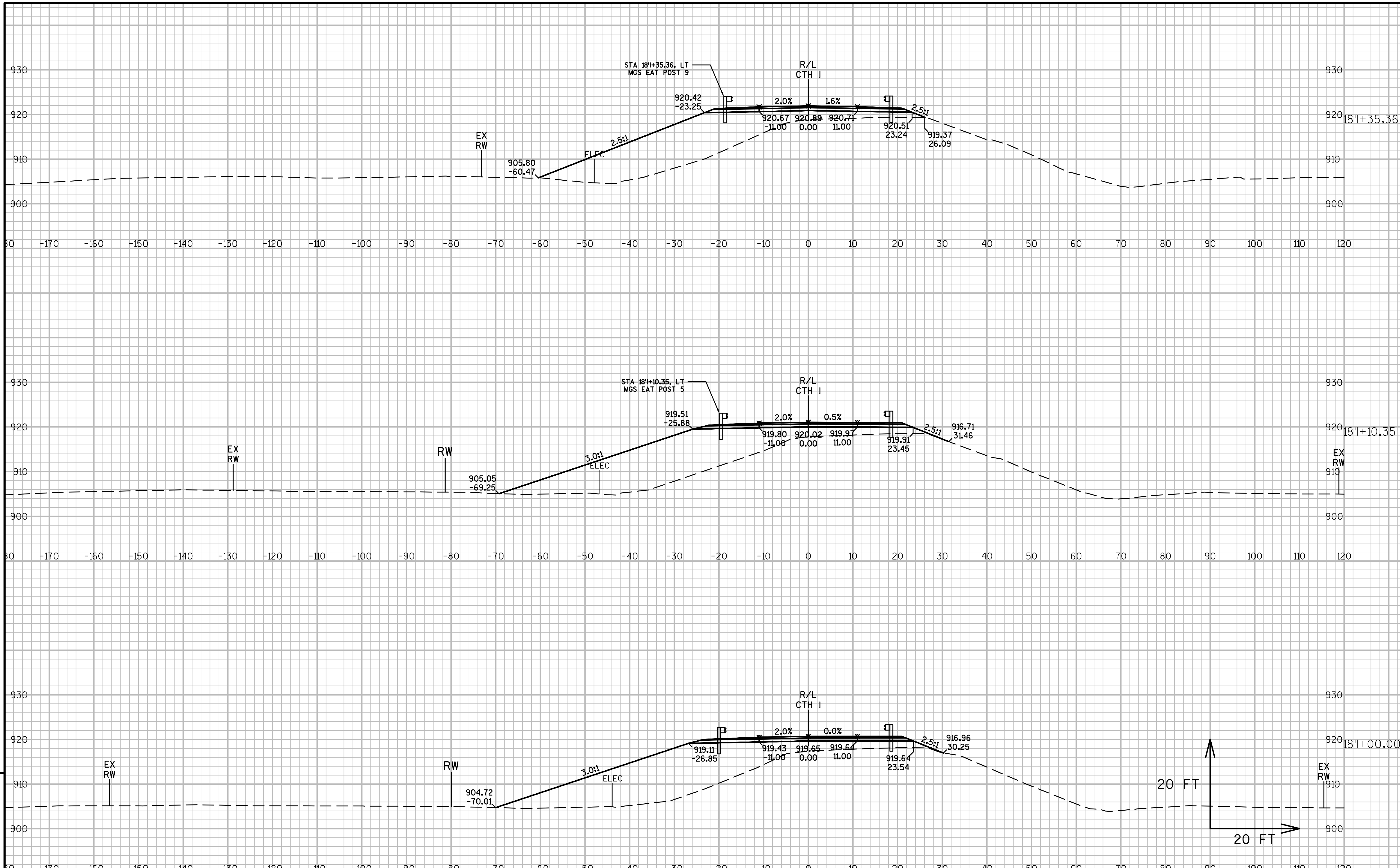
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (09)
PLOT DATE : 2/20/2017 8:41 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:CTH I	SHEET E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (10)
PLOT DATE : 2/20/2017 8:41 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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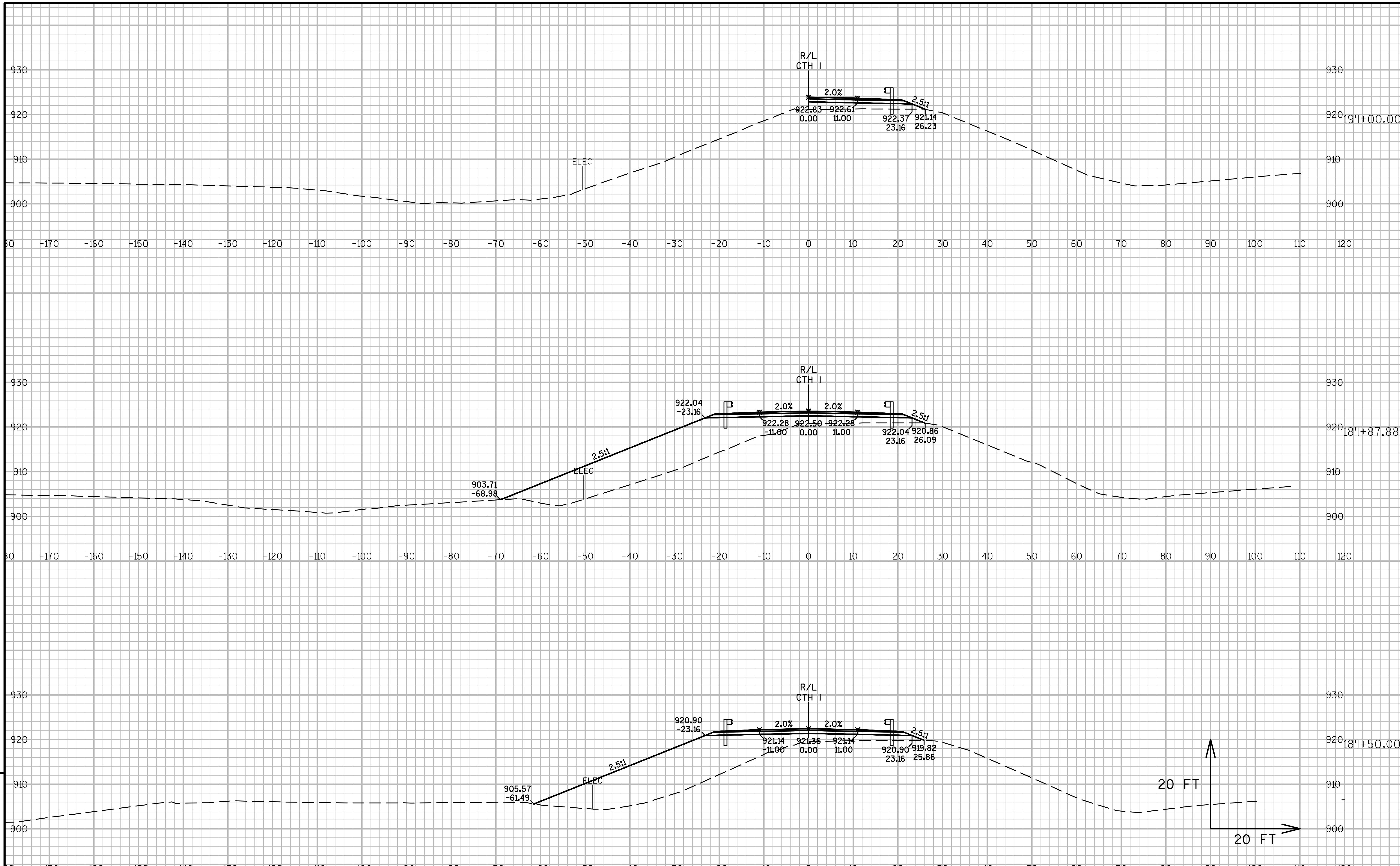
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



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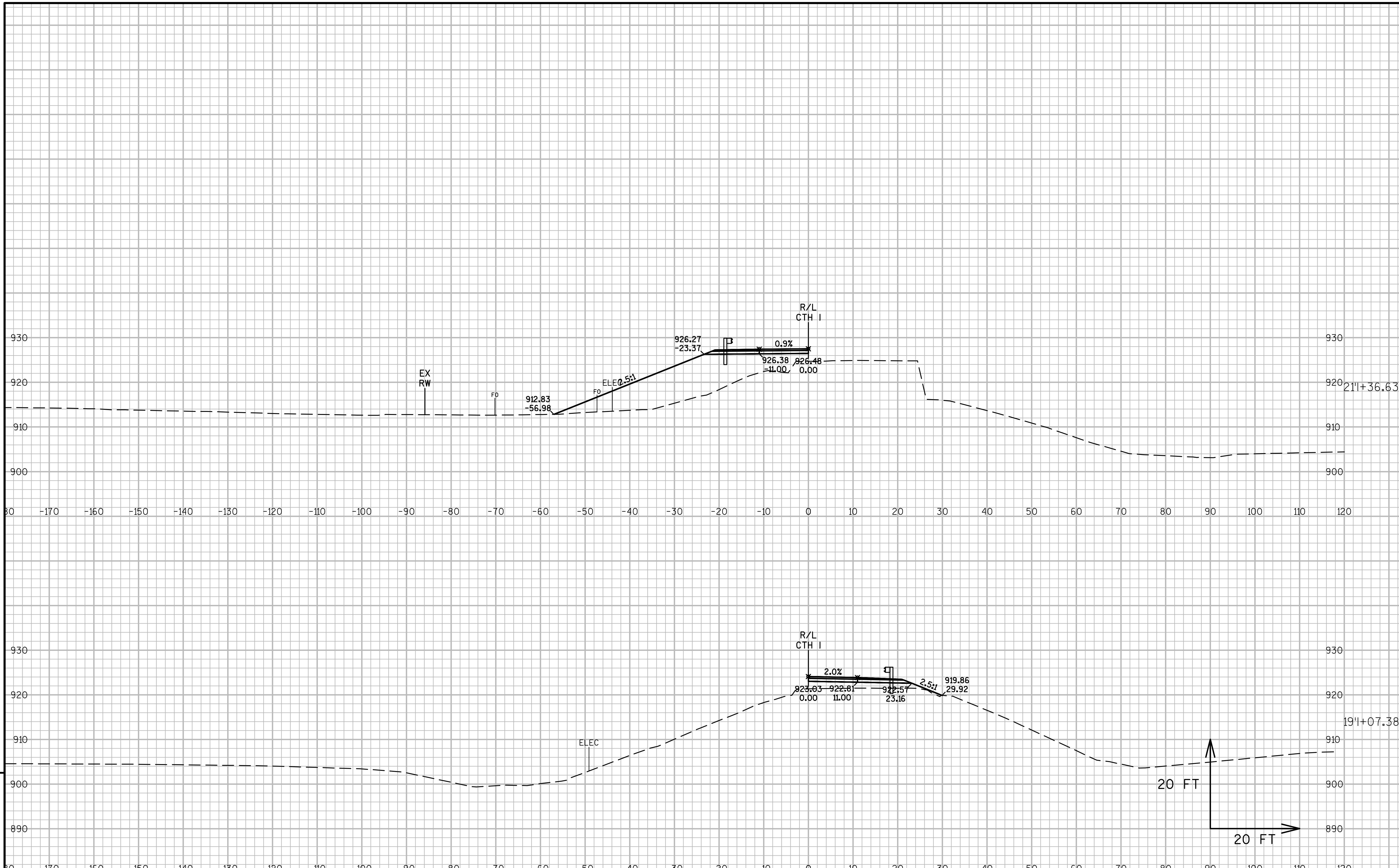
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (12)
PLOT DATE : 2/20/2017 8:41 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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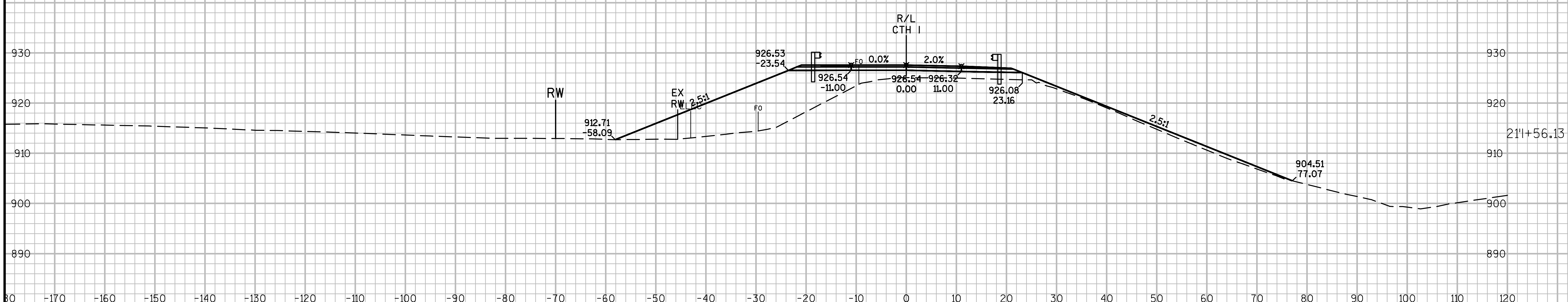
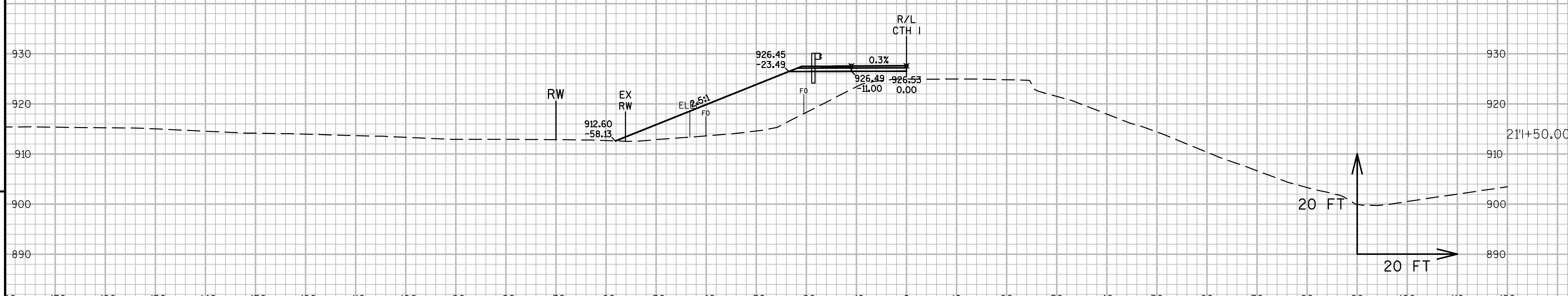
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E





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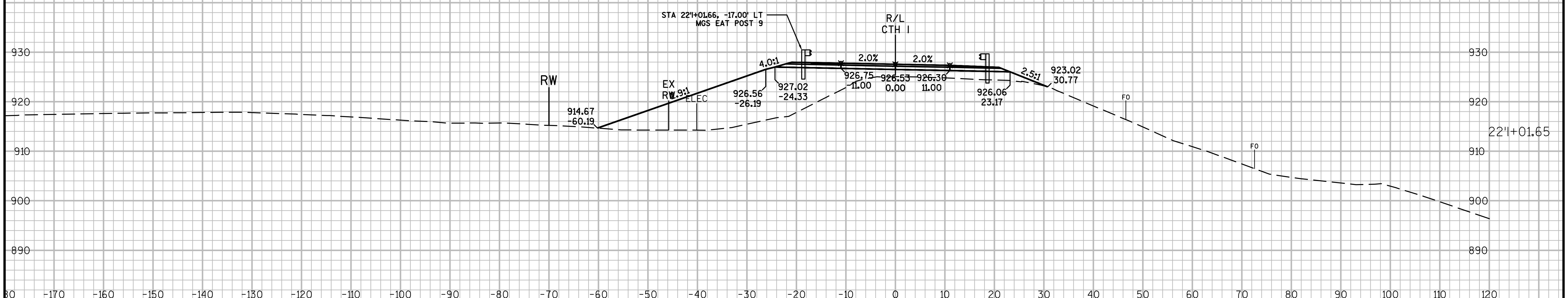
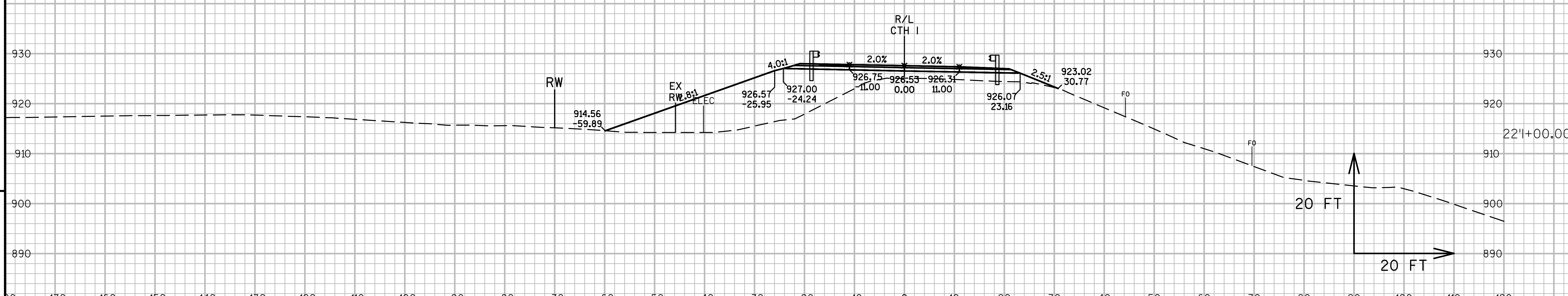
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

9

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (14)
PLOT DATE : 2/20/2017 8:42 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT





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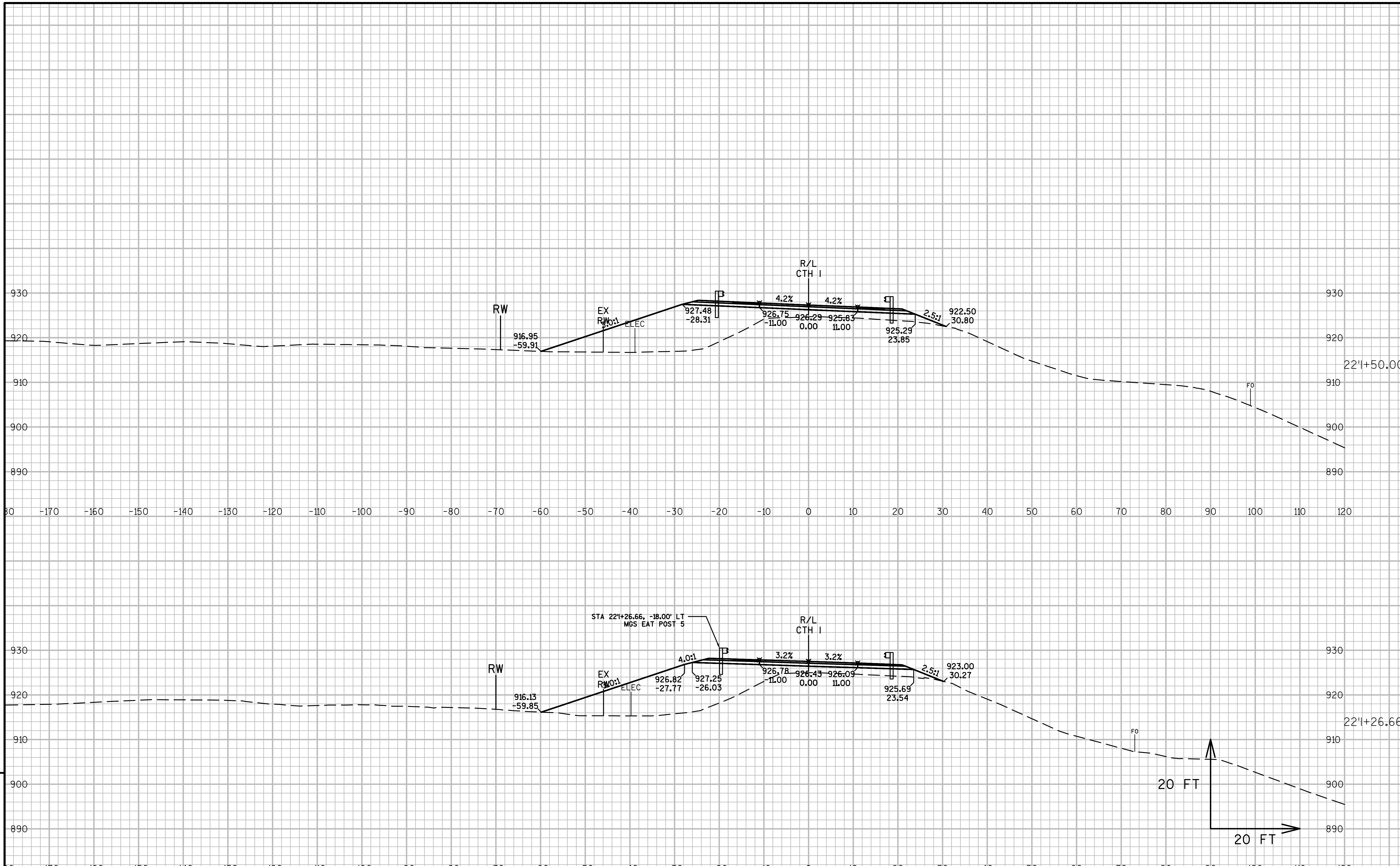
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

9



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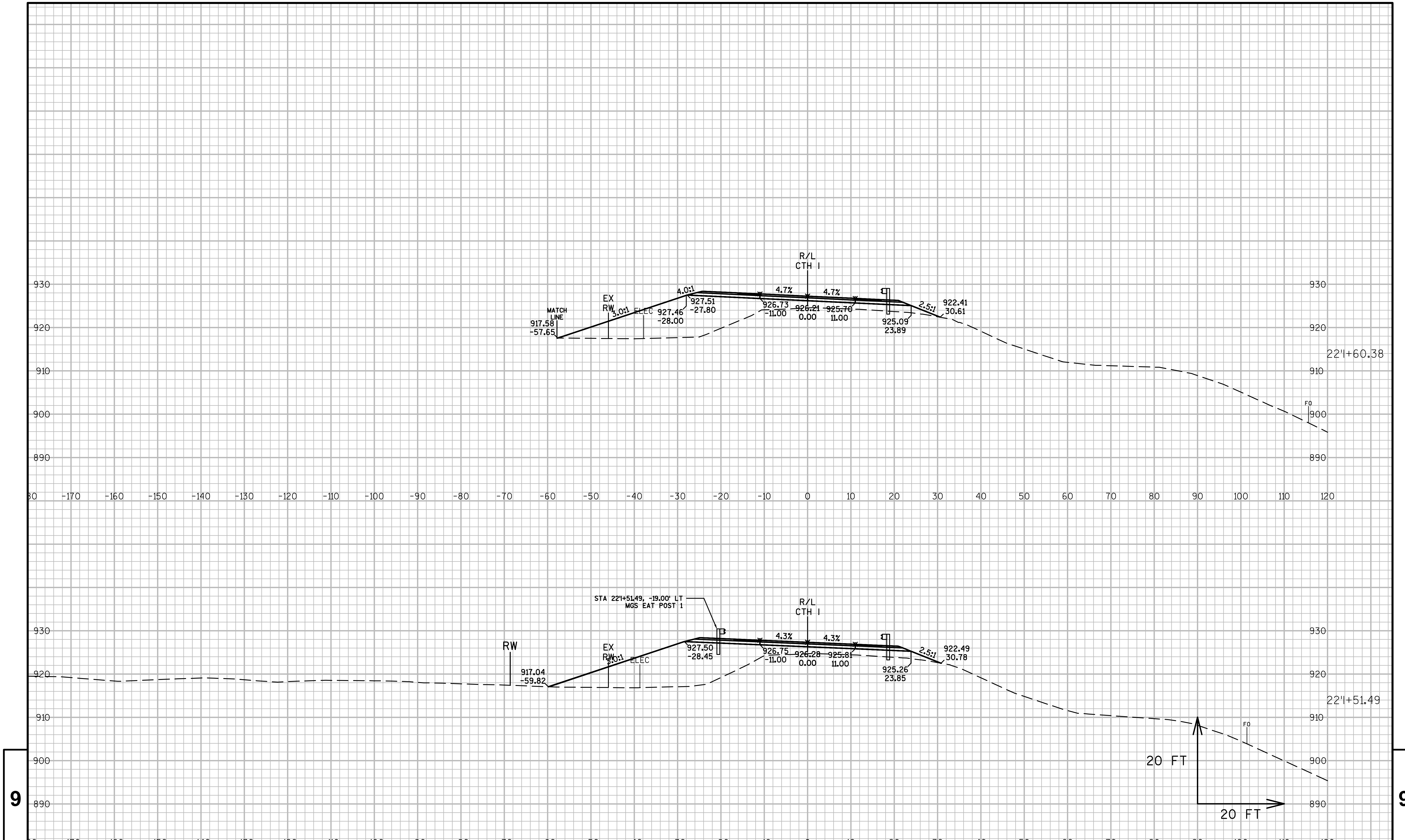
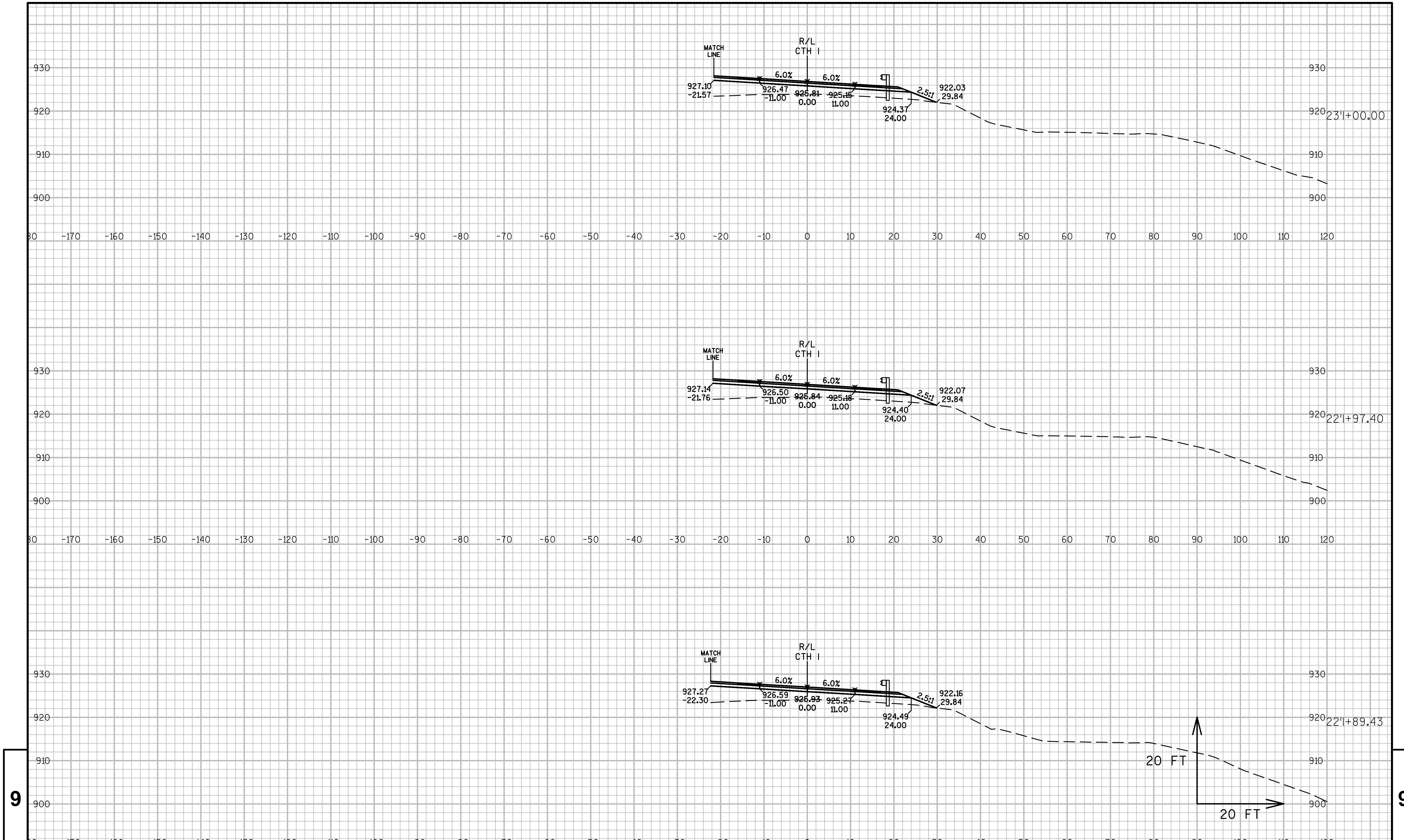
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

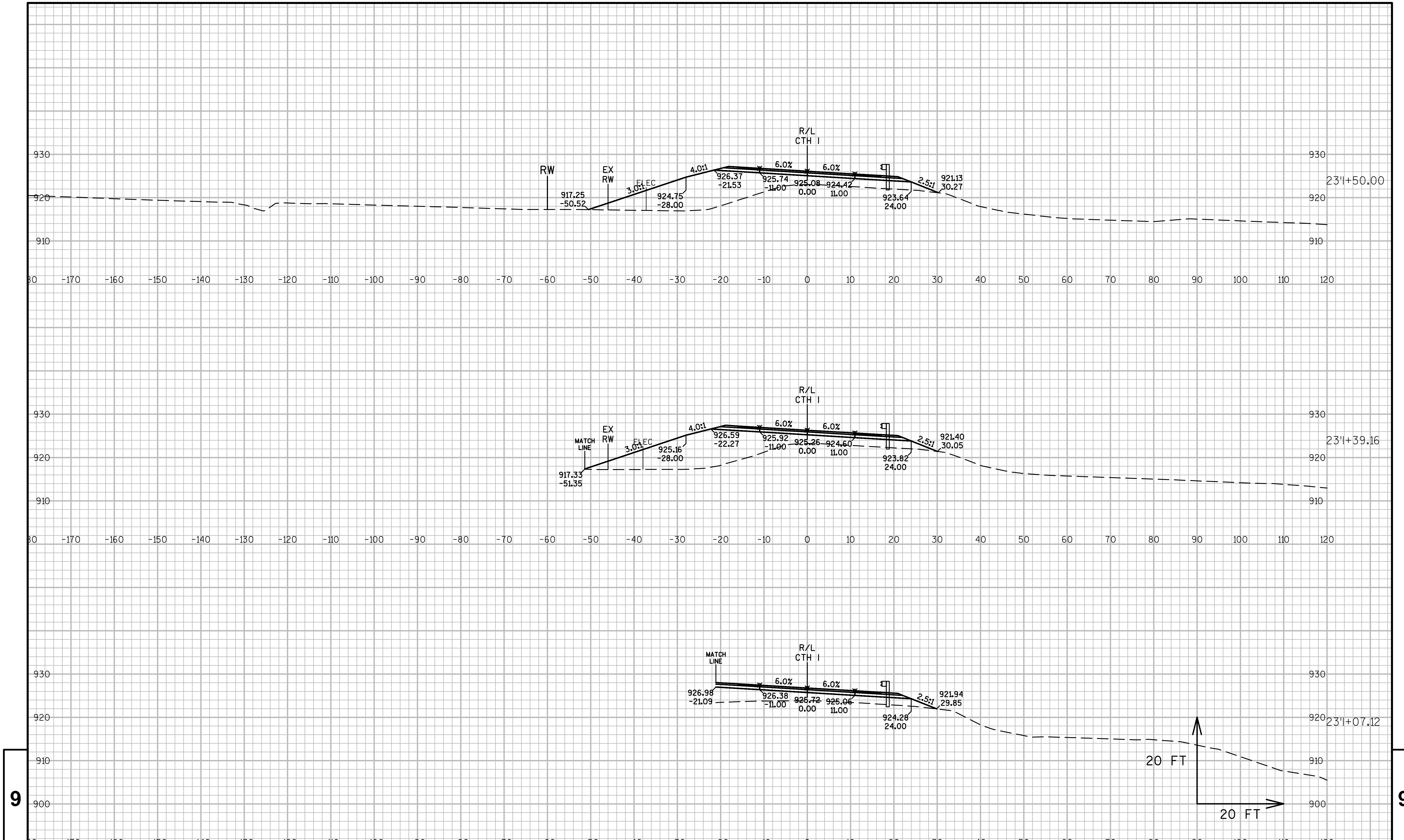
FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (17)
PLOT DATE : 2/20/2017 8:43 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (18)

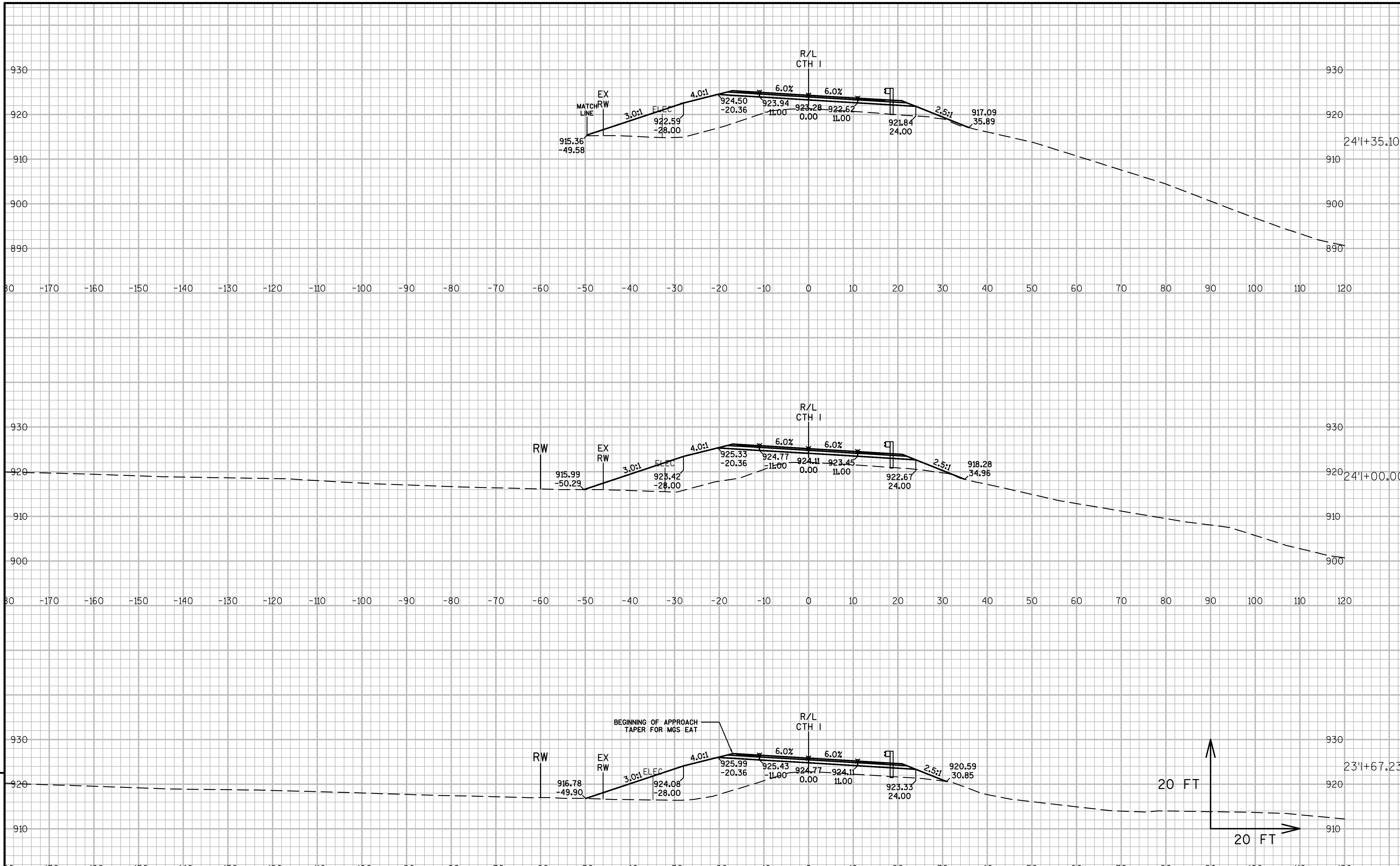
PLOT DATE : 2/20/2017 8:43 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

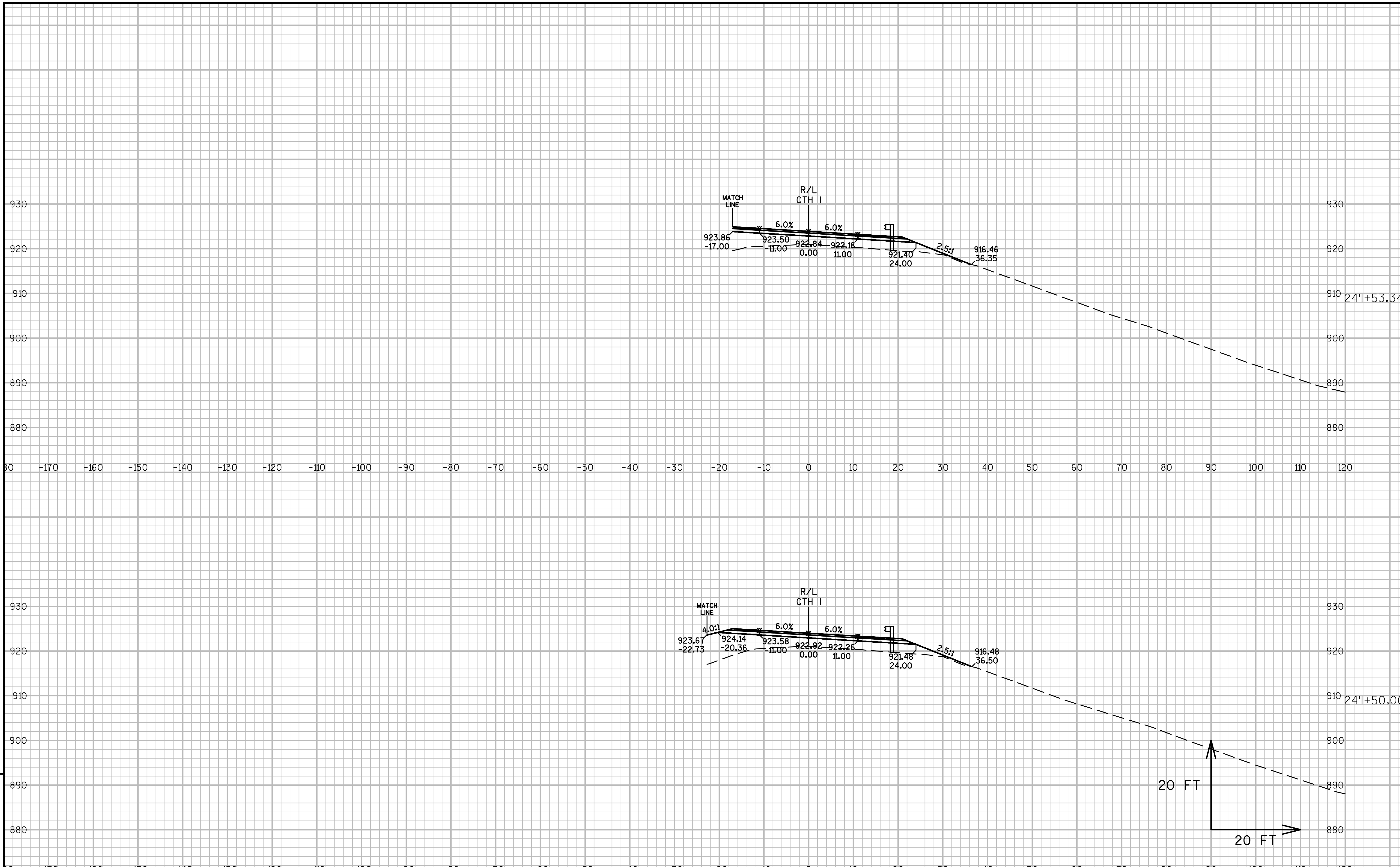
FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (19)

PLOT DATE : 2/20/2017 8:43 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (20)
PLOT DATE : 2/20/2017 8:43 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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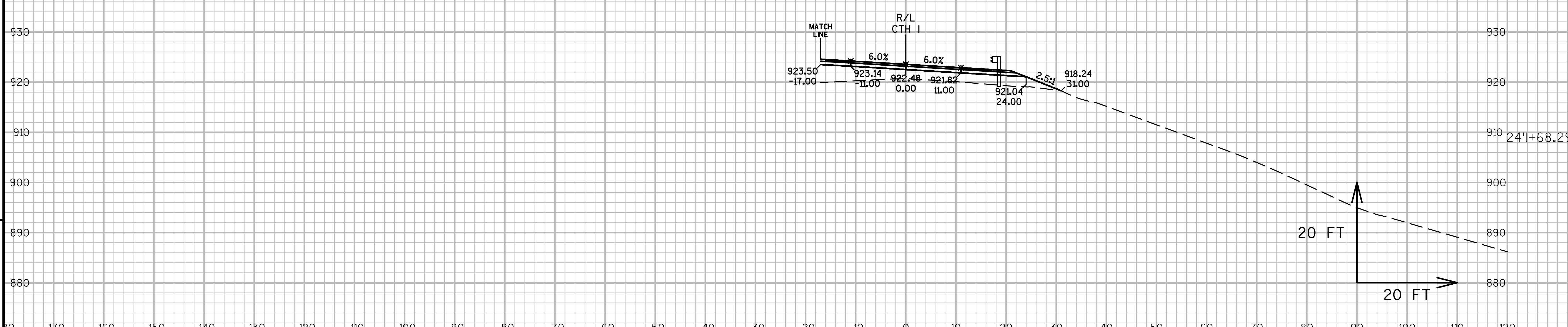
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (21)
PLOT DATE : 2/20/2017 8:44 AM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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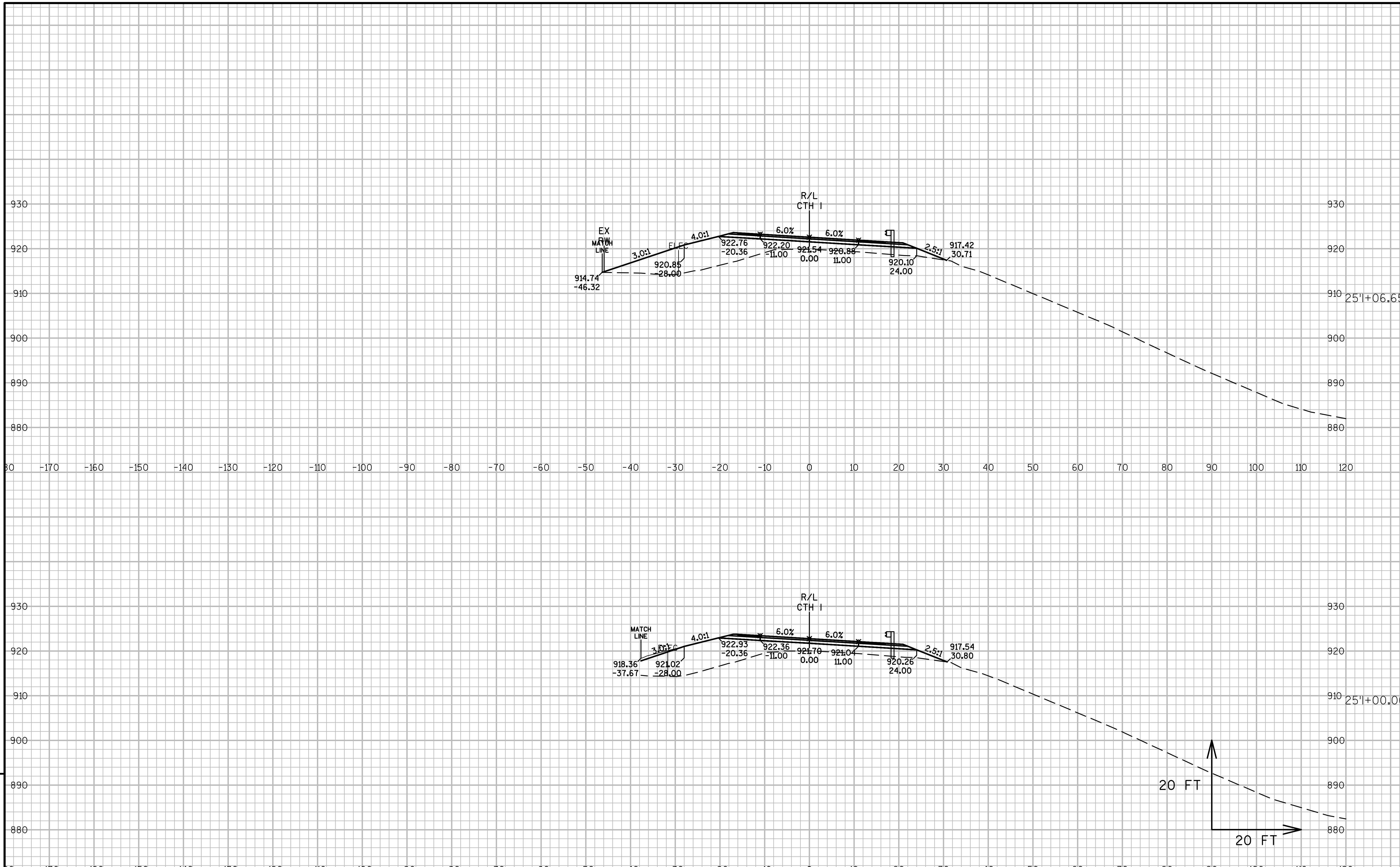
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (22)
PLOT DATE : 2/20/2017 8:44 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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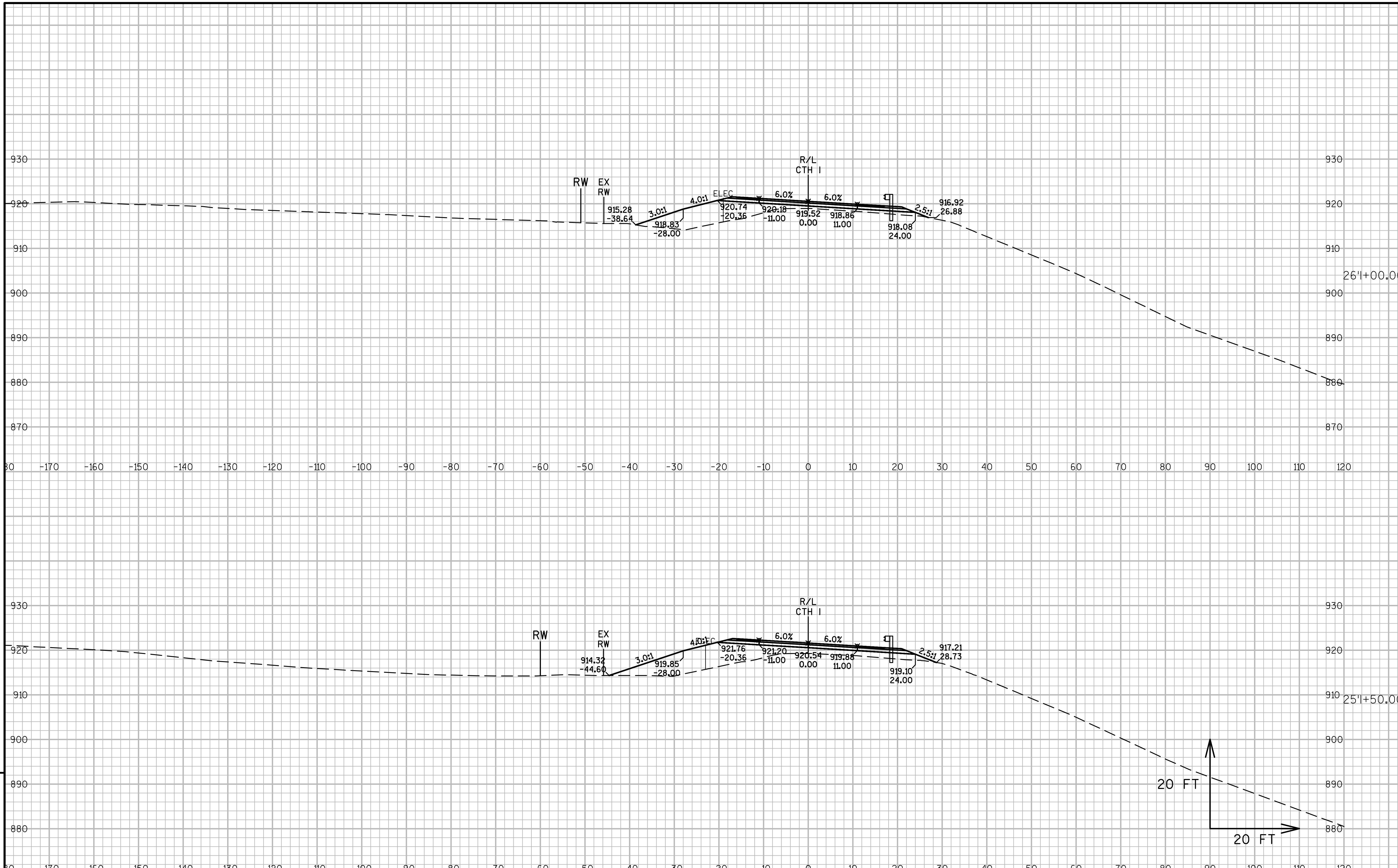
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (23)
PLOT DATE : 2/20/2017 8:44 AM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT



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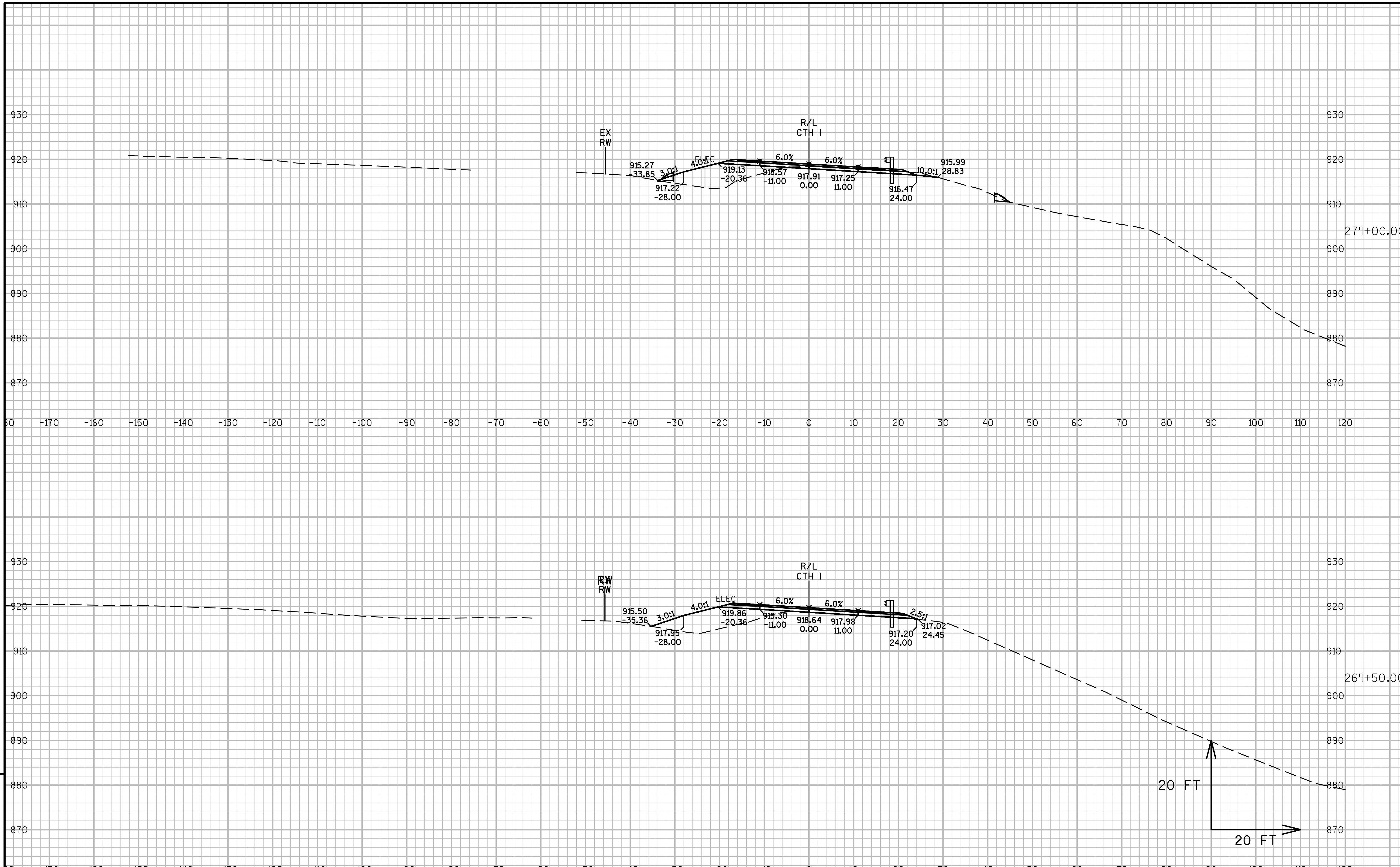
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (24)

PLOT DATE : 2/20/2017 8:44 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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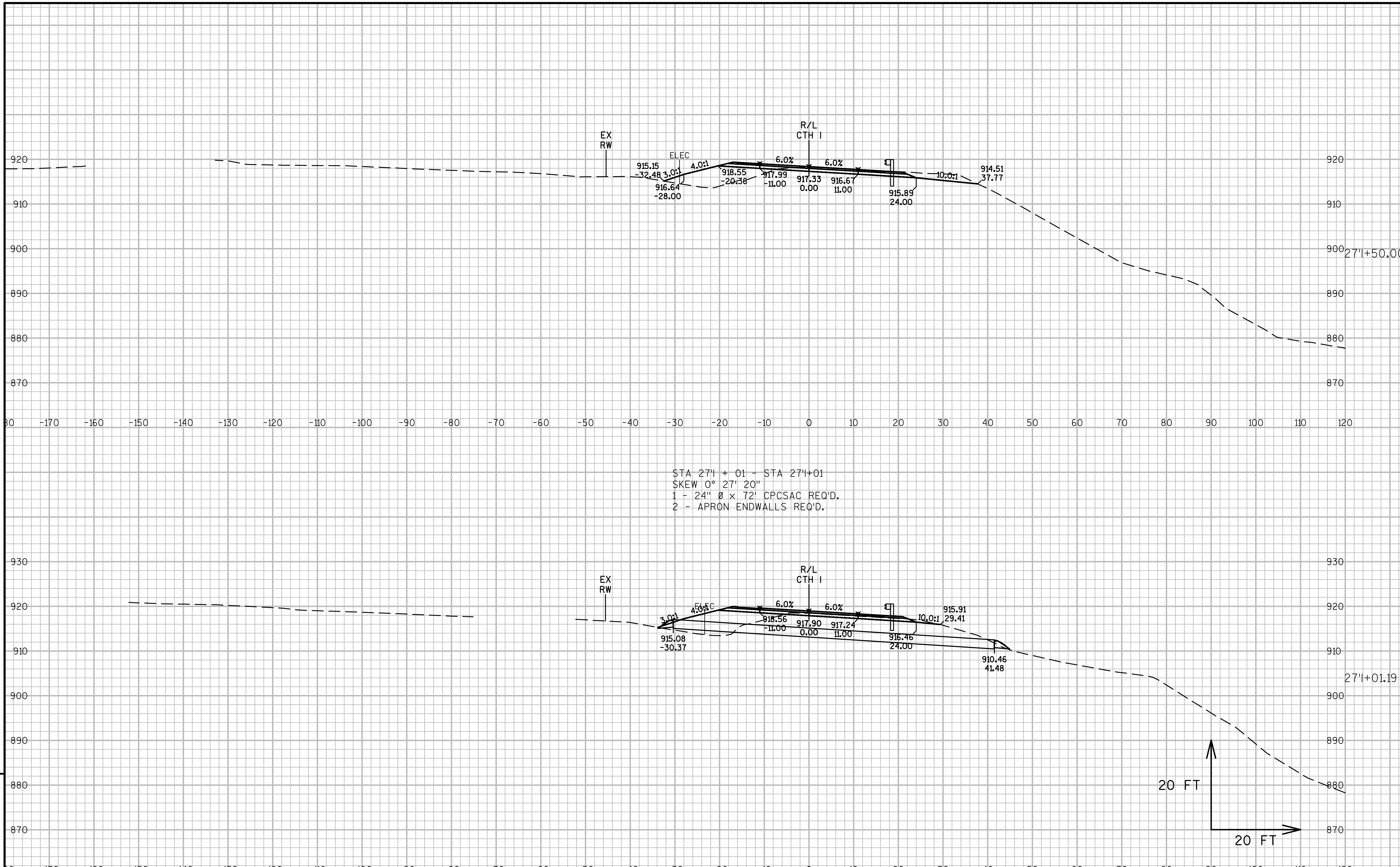
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (25)
PLOT DATE : 2/20/2017 8:45 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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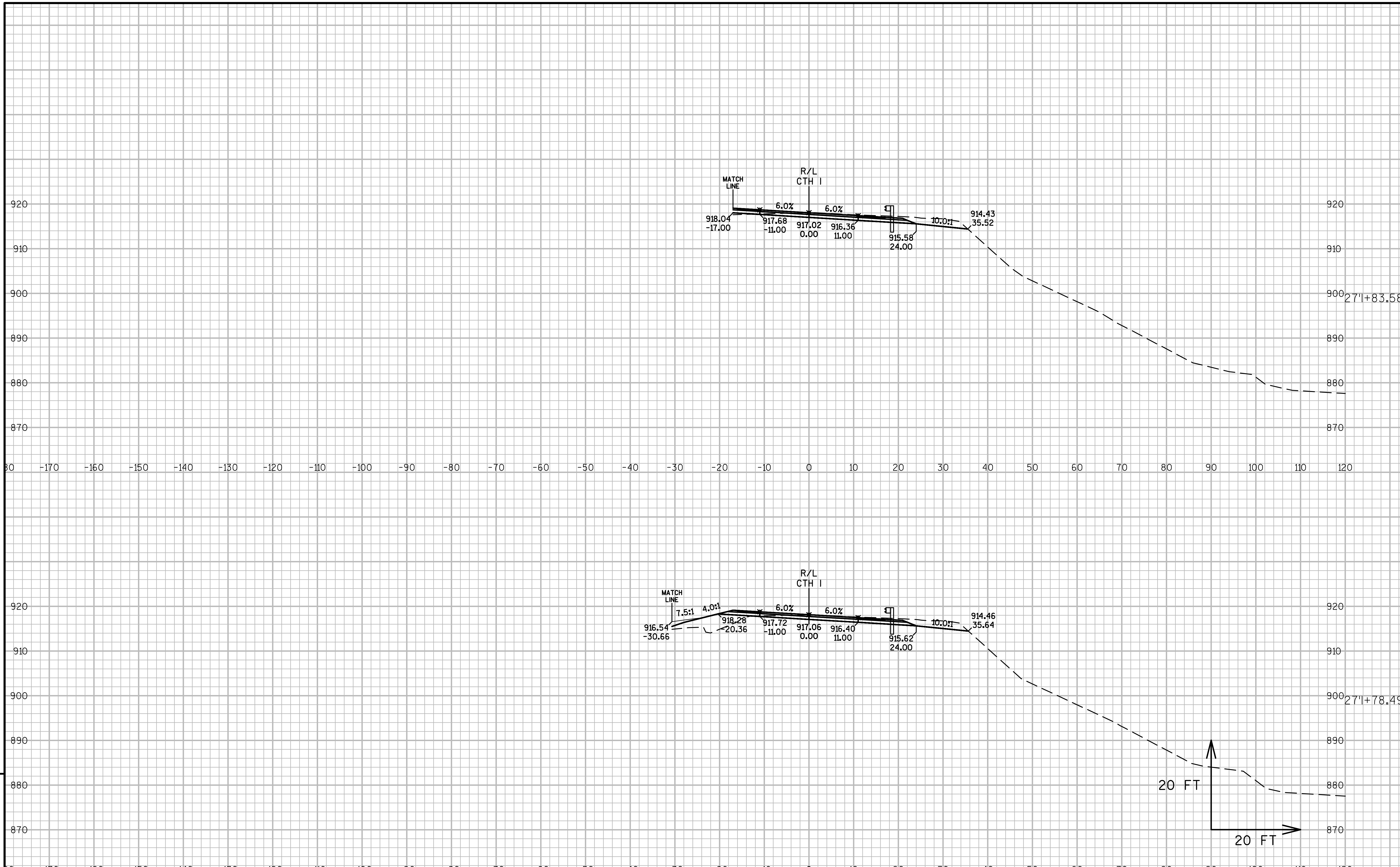
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (26)

PLOT DATE : 2/20/2017 8:45 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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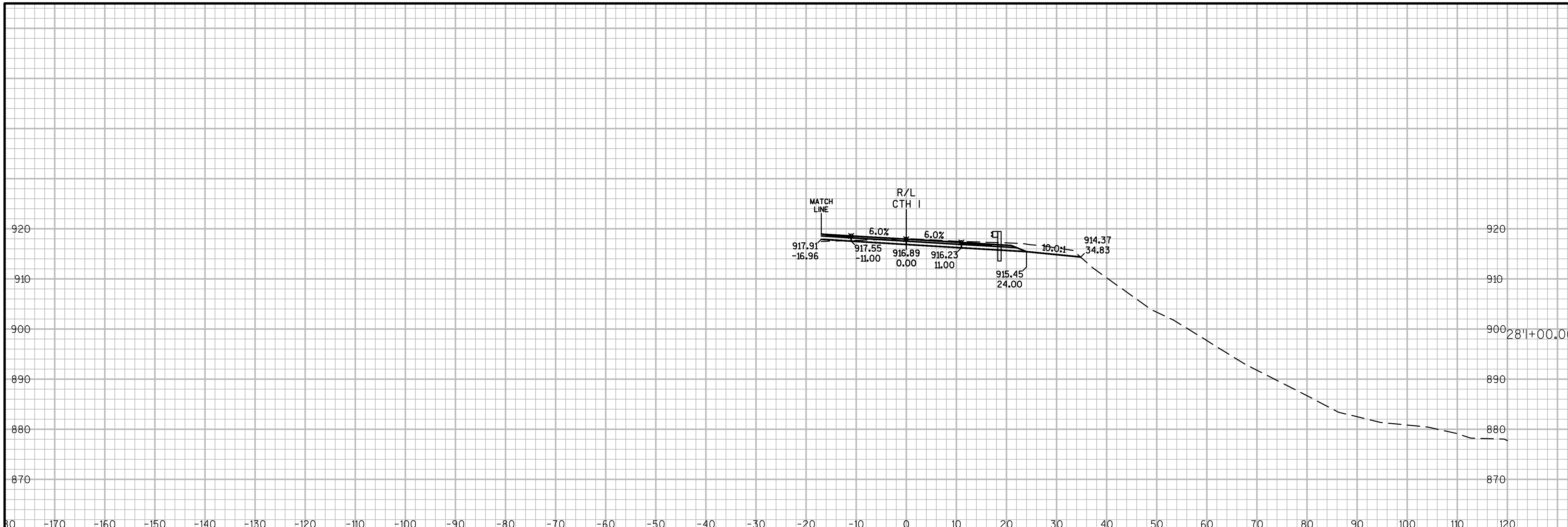
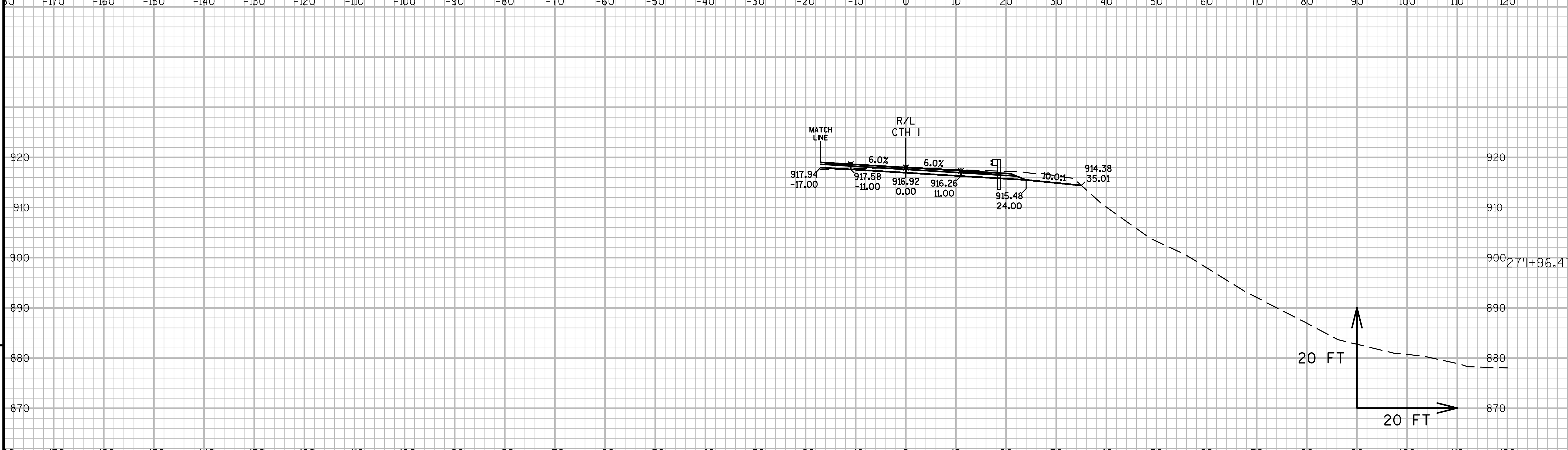
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (27)

PLOT DATE : 2/20/2017 8:45 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT





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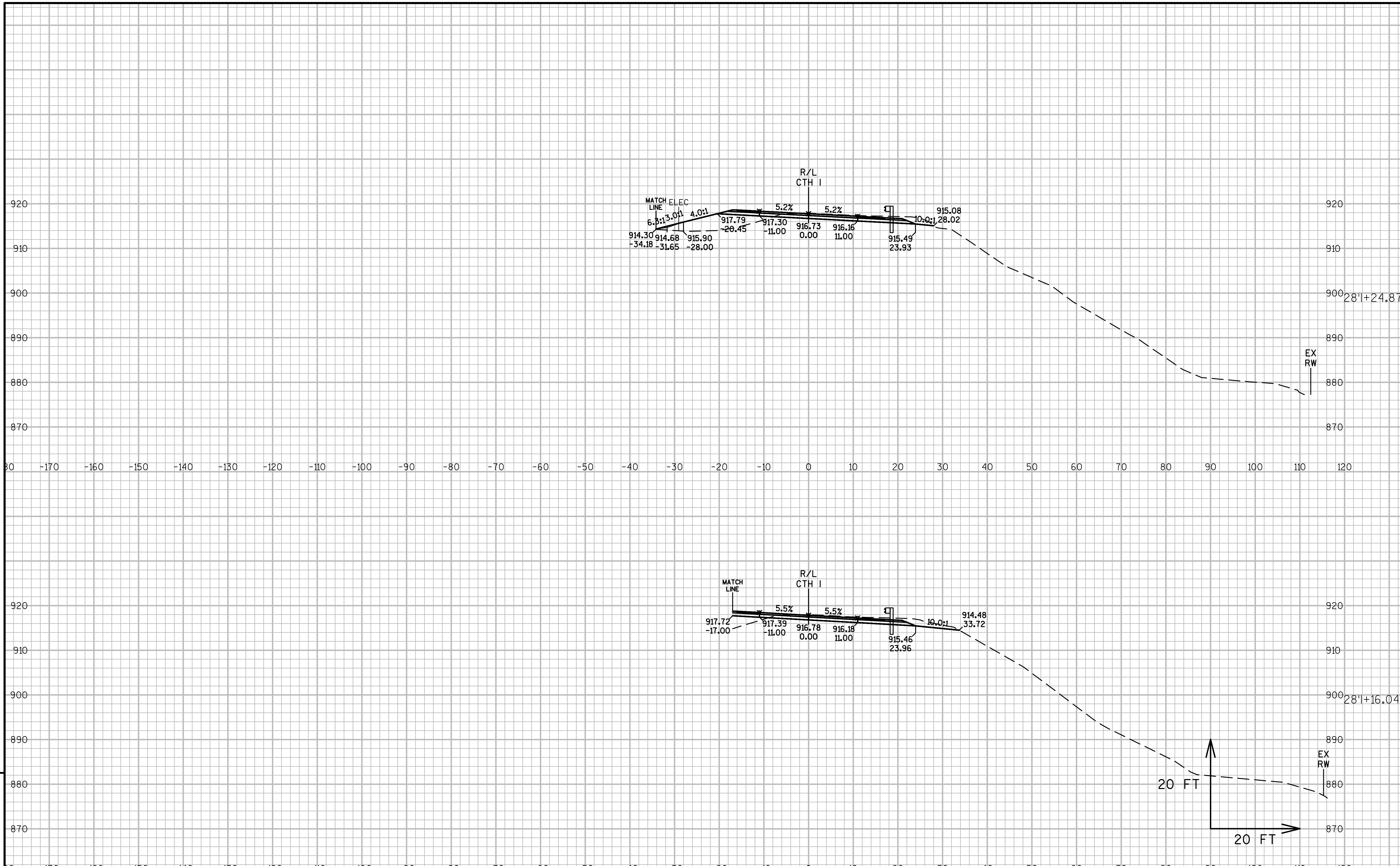
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



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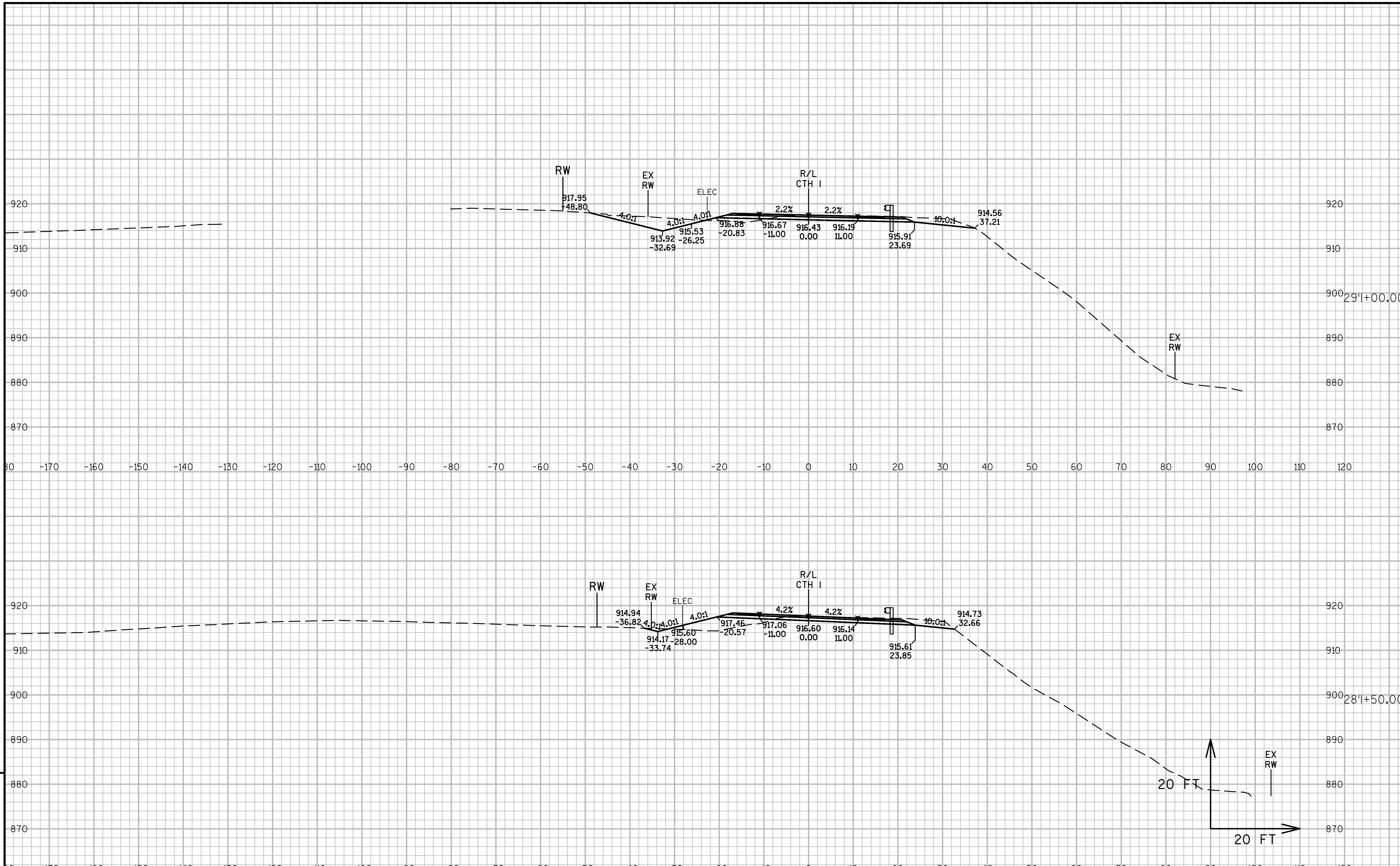
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



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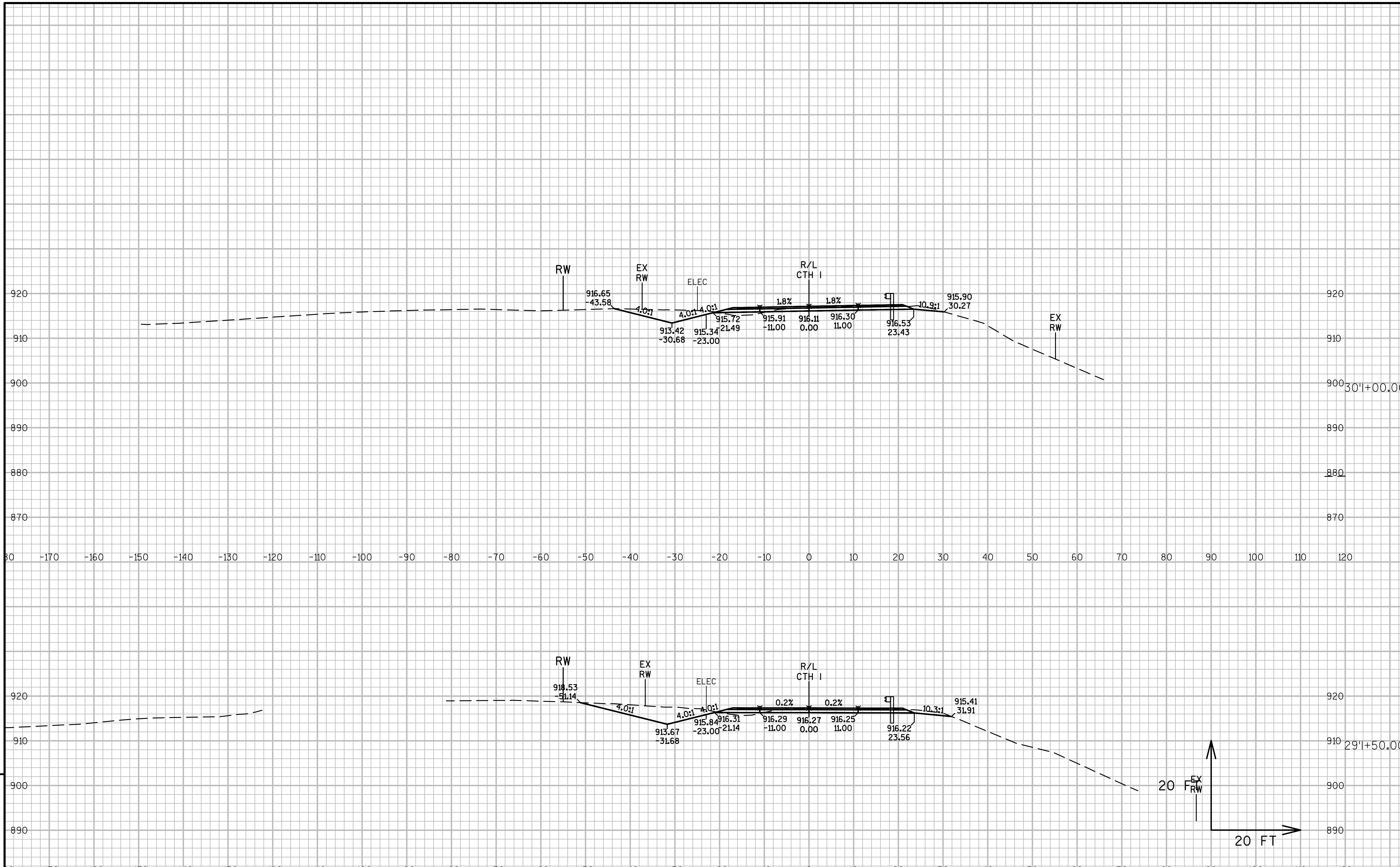
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (30)
PLOT DATE : 2/20/2017 8:46 AM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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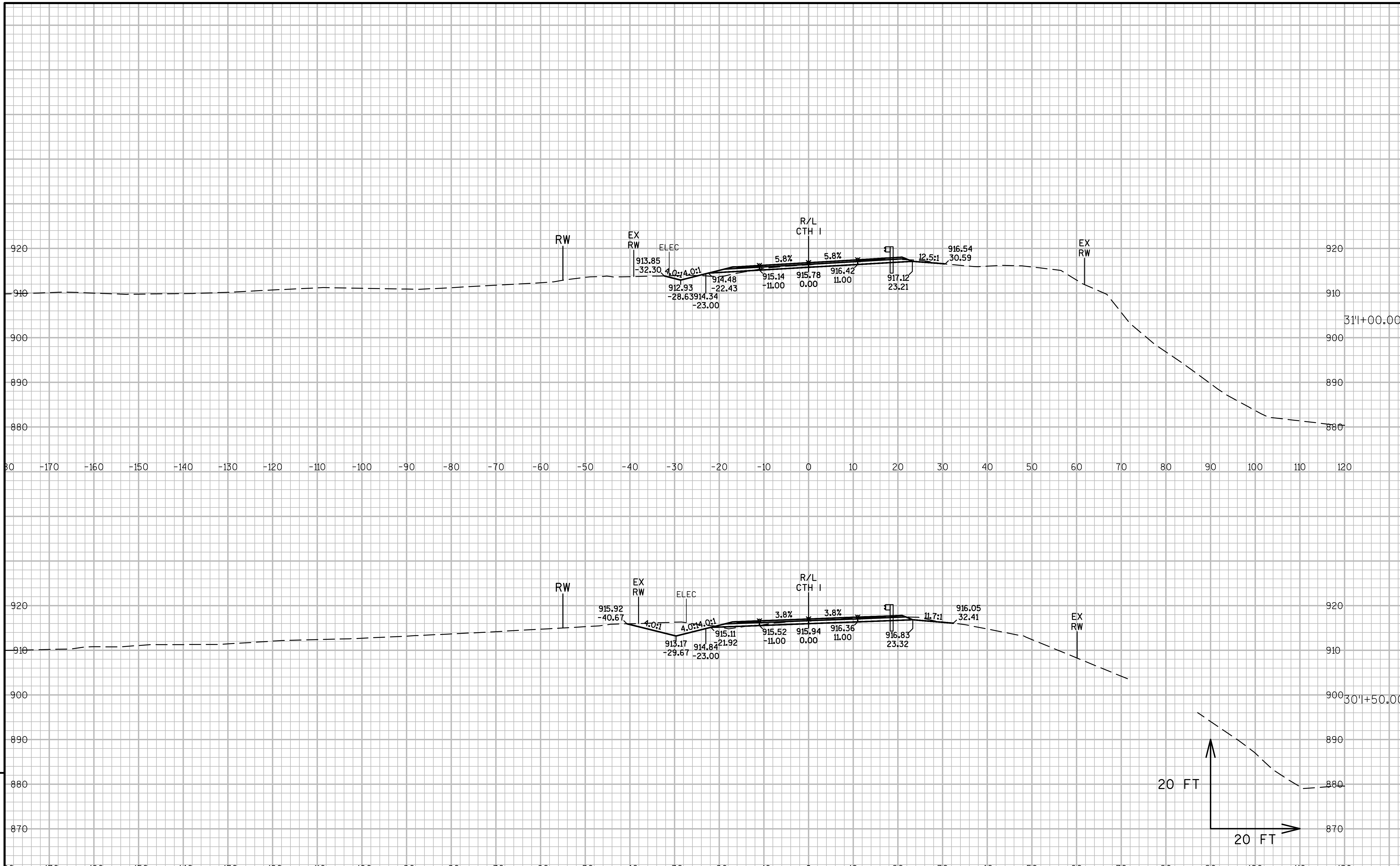
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (31)
PLOT DATE : 2/20/2017 8:46 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

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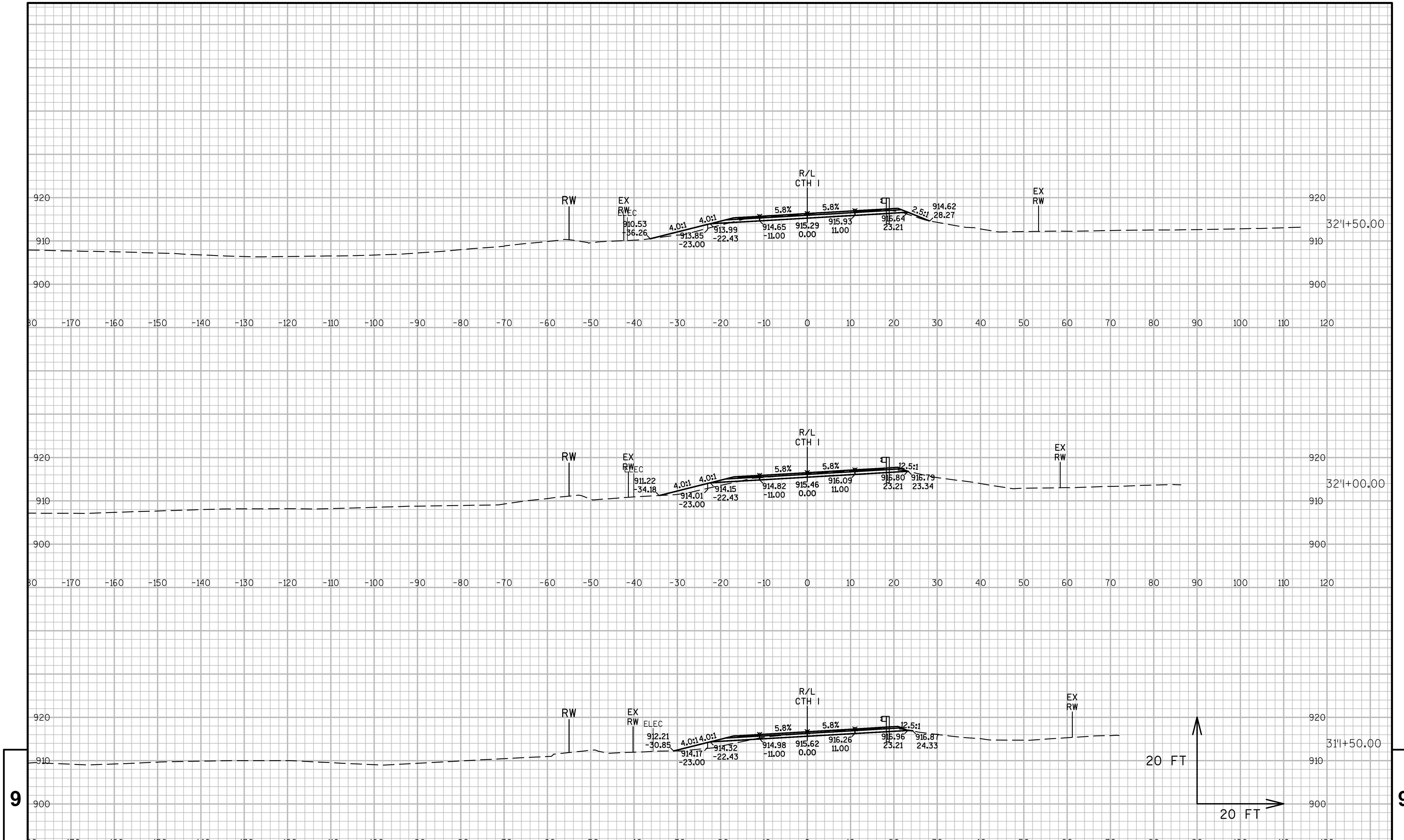
FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (32)

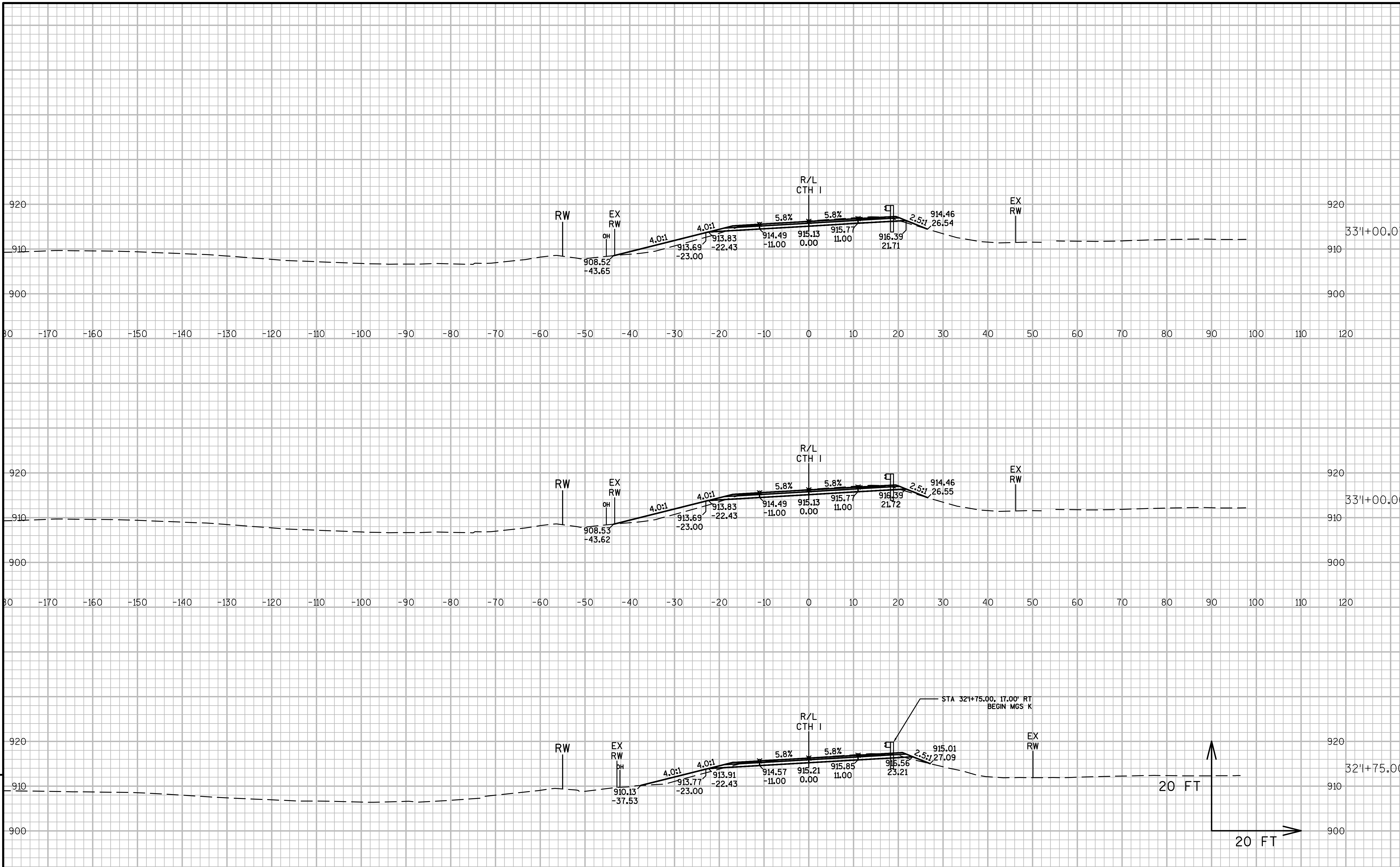
PLOT DATE : 2/20/2017 8:46 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (33)
PLOT DATE : 2/20/2017 8:47 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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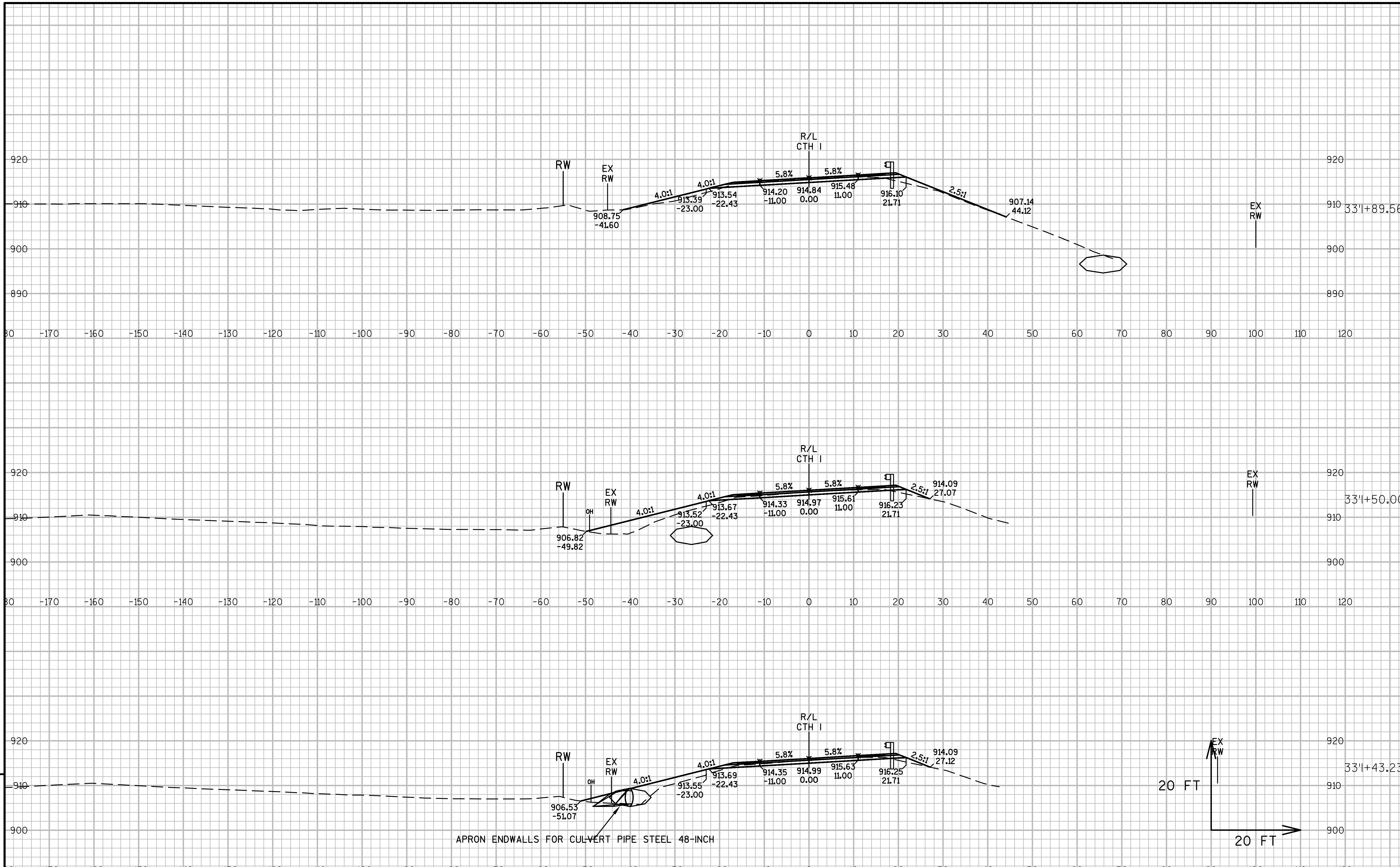
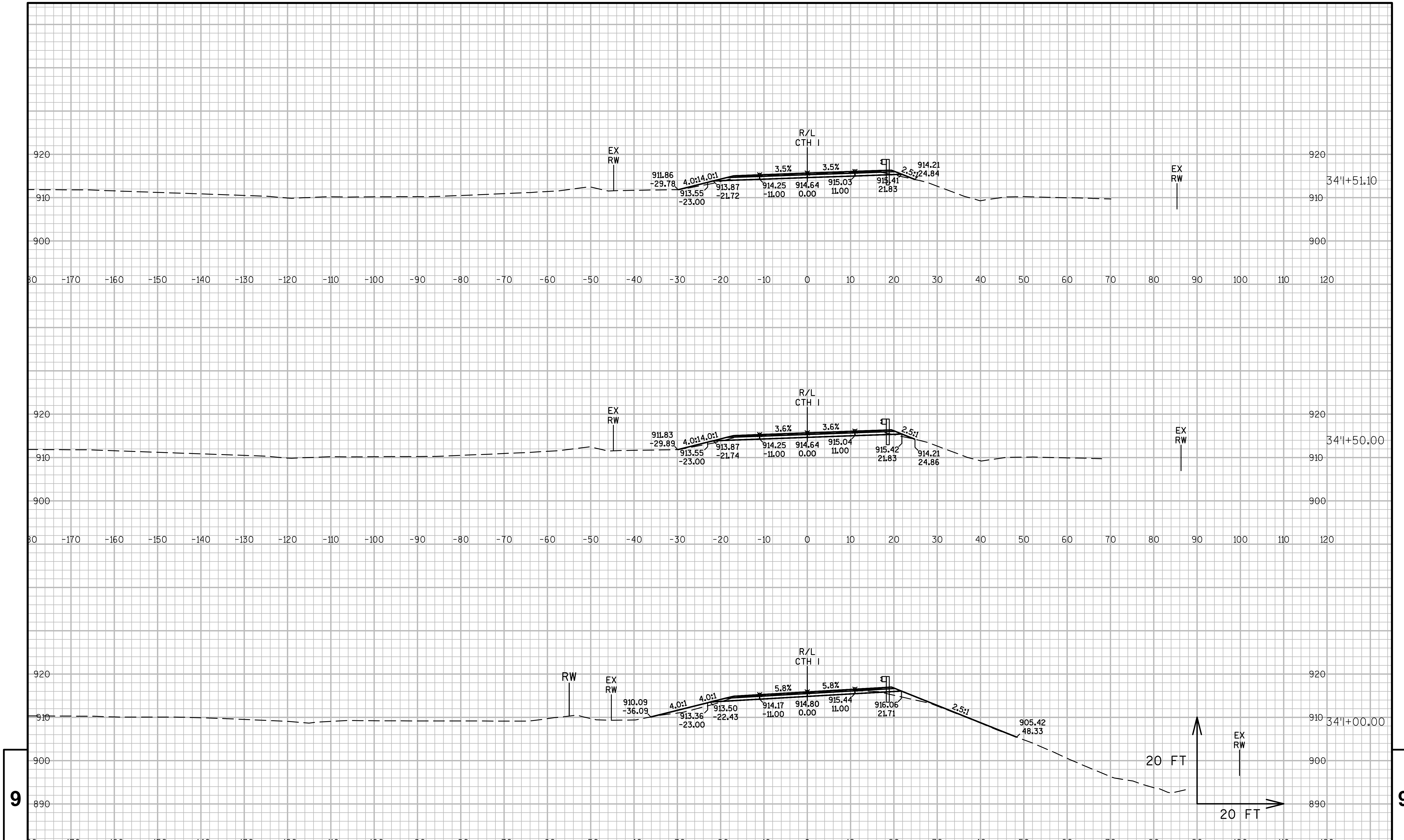
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (34)

PLOT DATE : 2/20/2017 8:47 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT

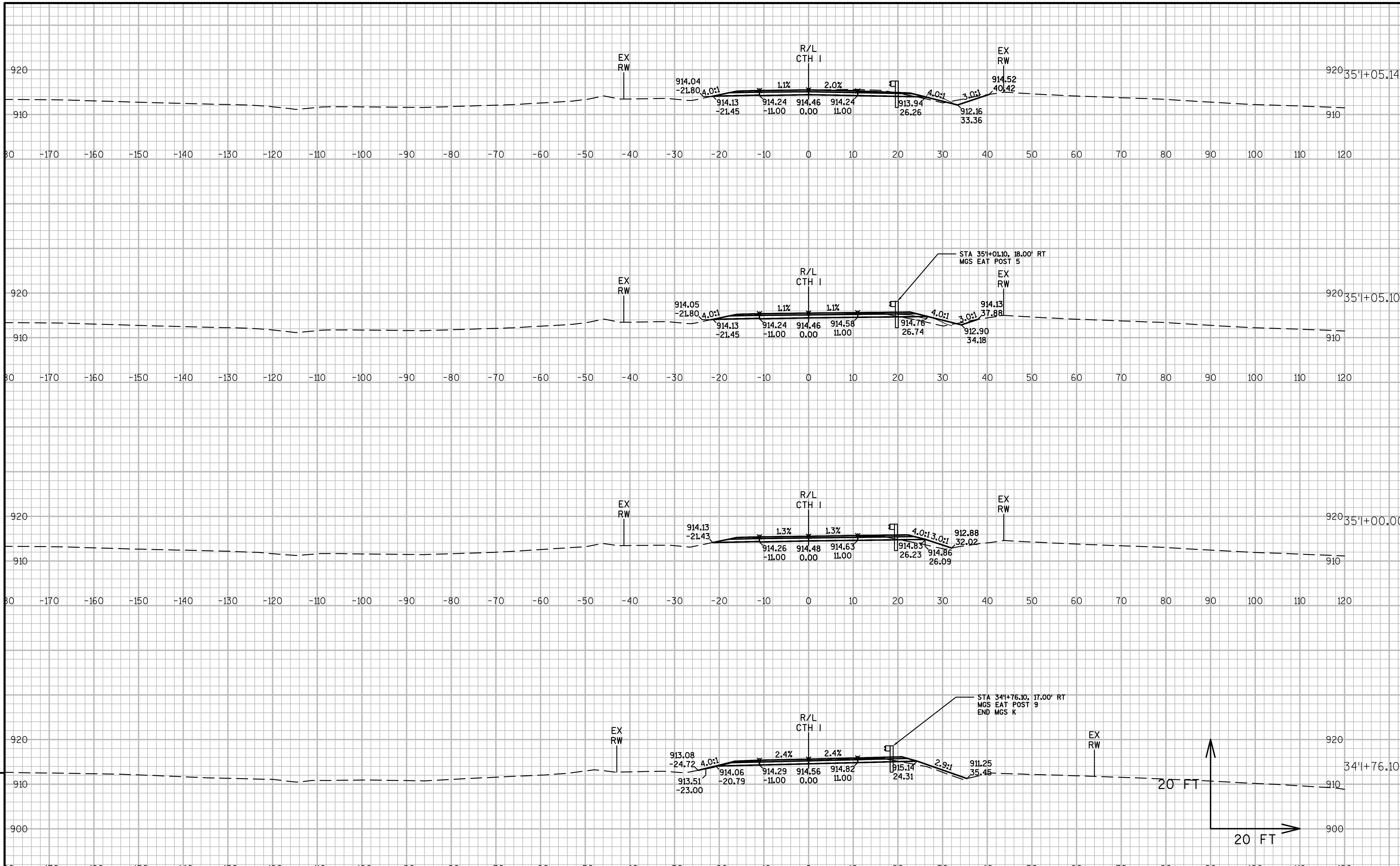


PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (36)
PLOT DATE : 2/20/2017 8:47 AM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



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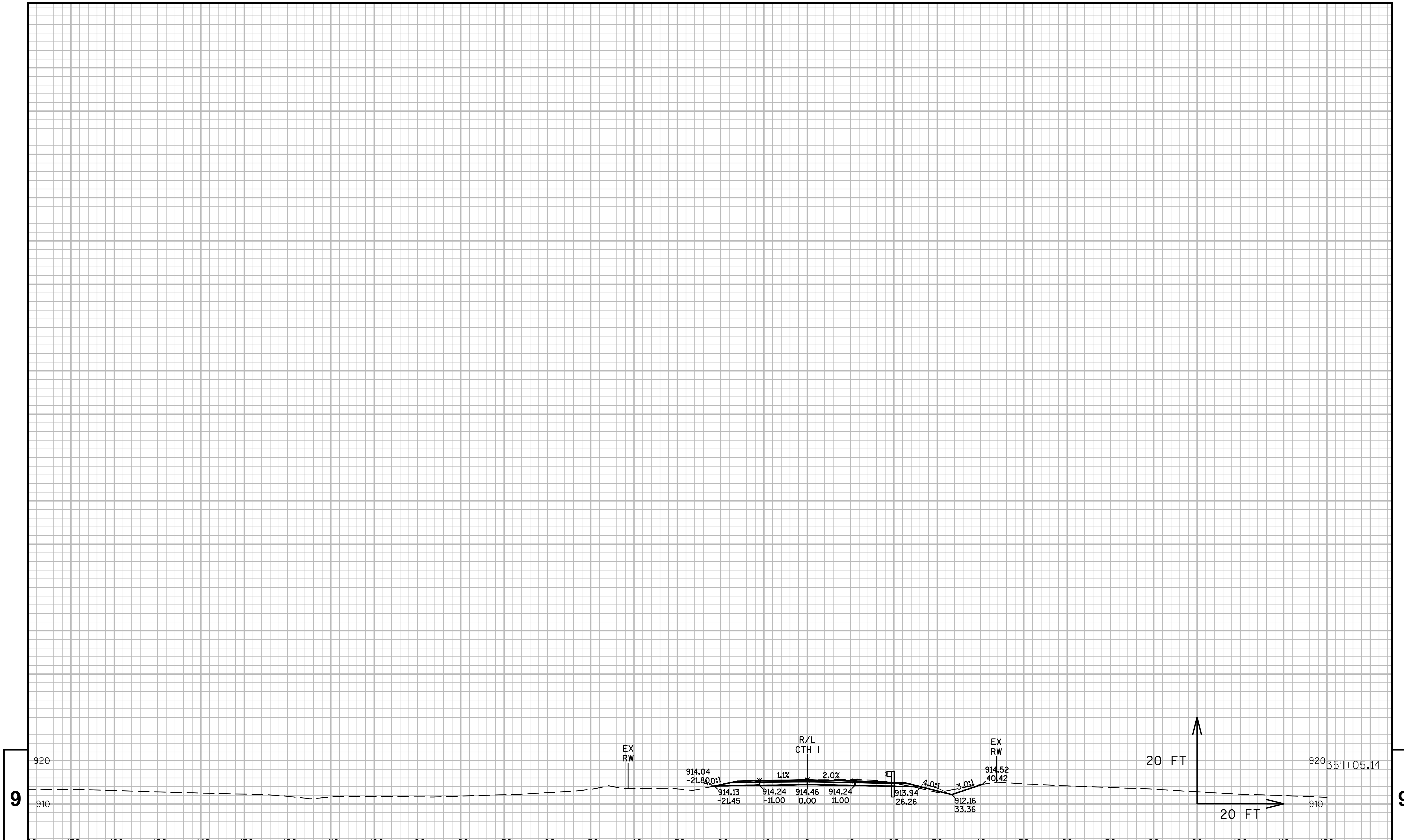
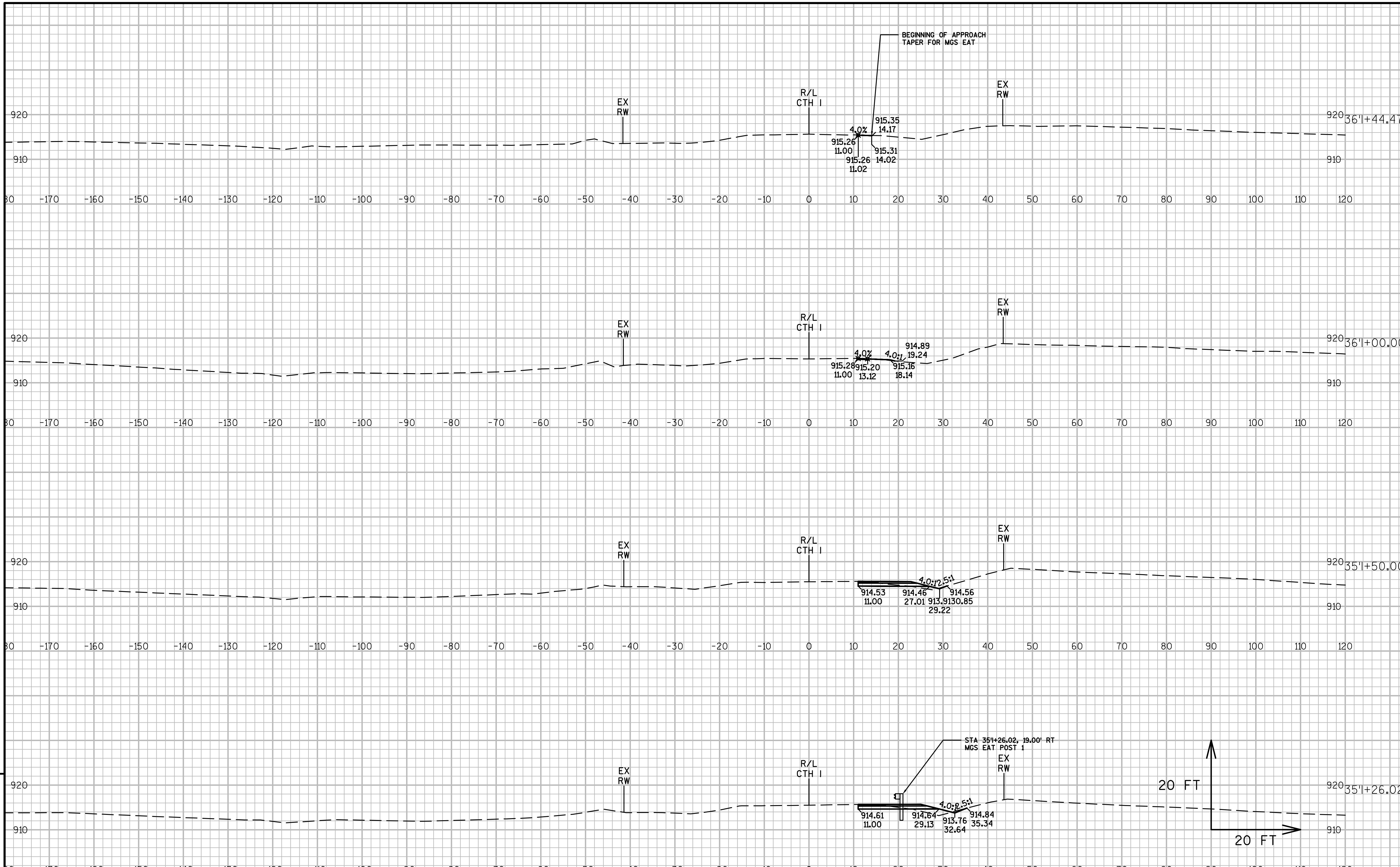
PROJECT NO:1021-03-74	HWY: IH 94	COUNTY: EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS 02.03.2017.DWG
LAYOUT NAME - CTH I - (38)
PLOT DATE : 2/20/2017 8:48 AM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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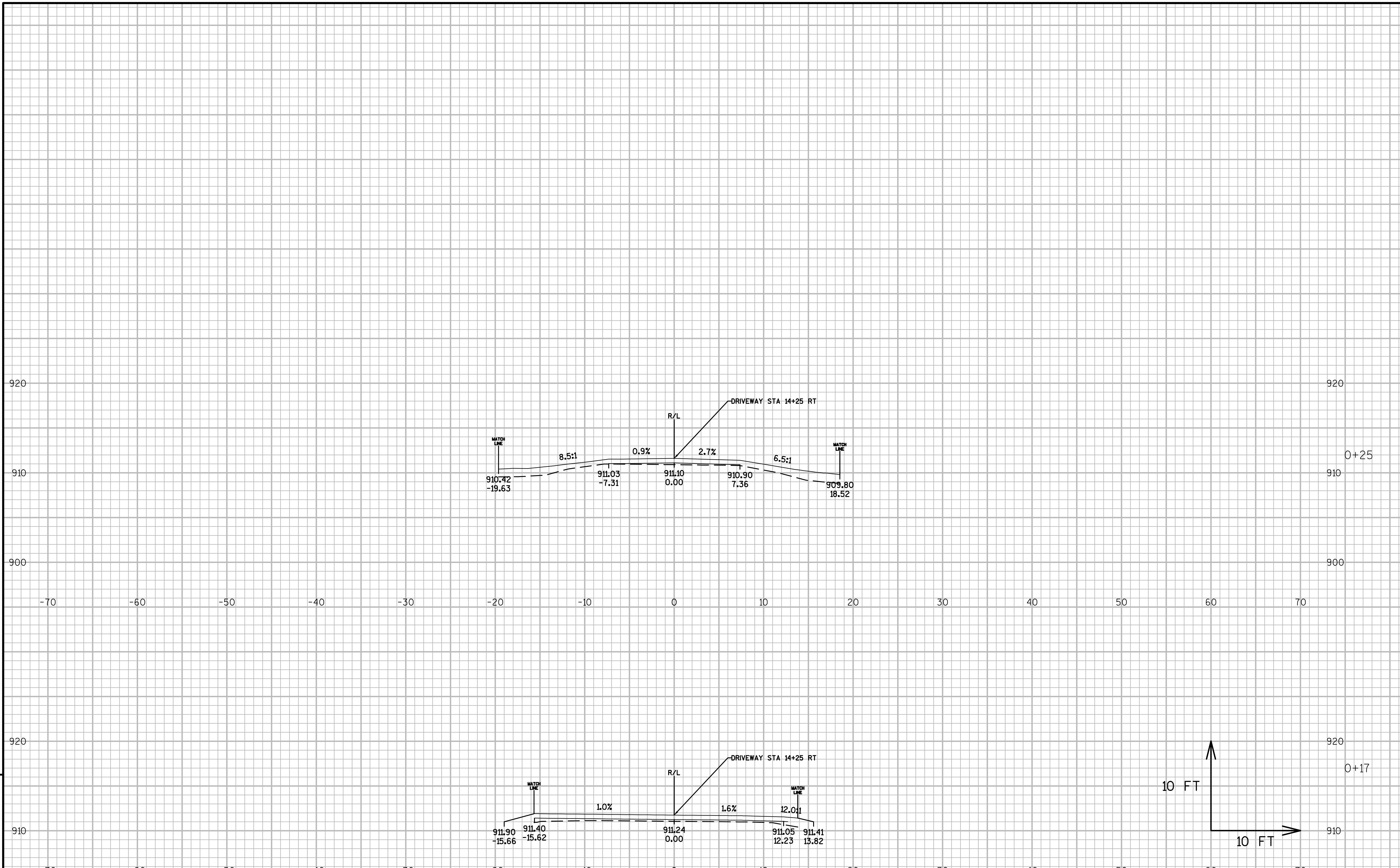
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

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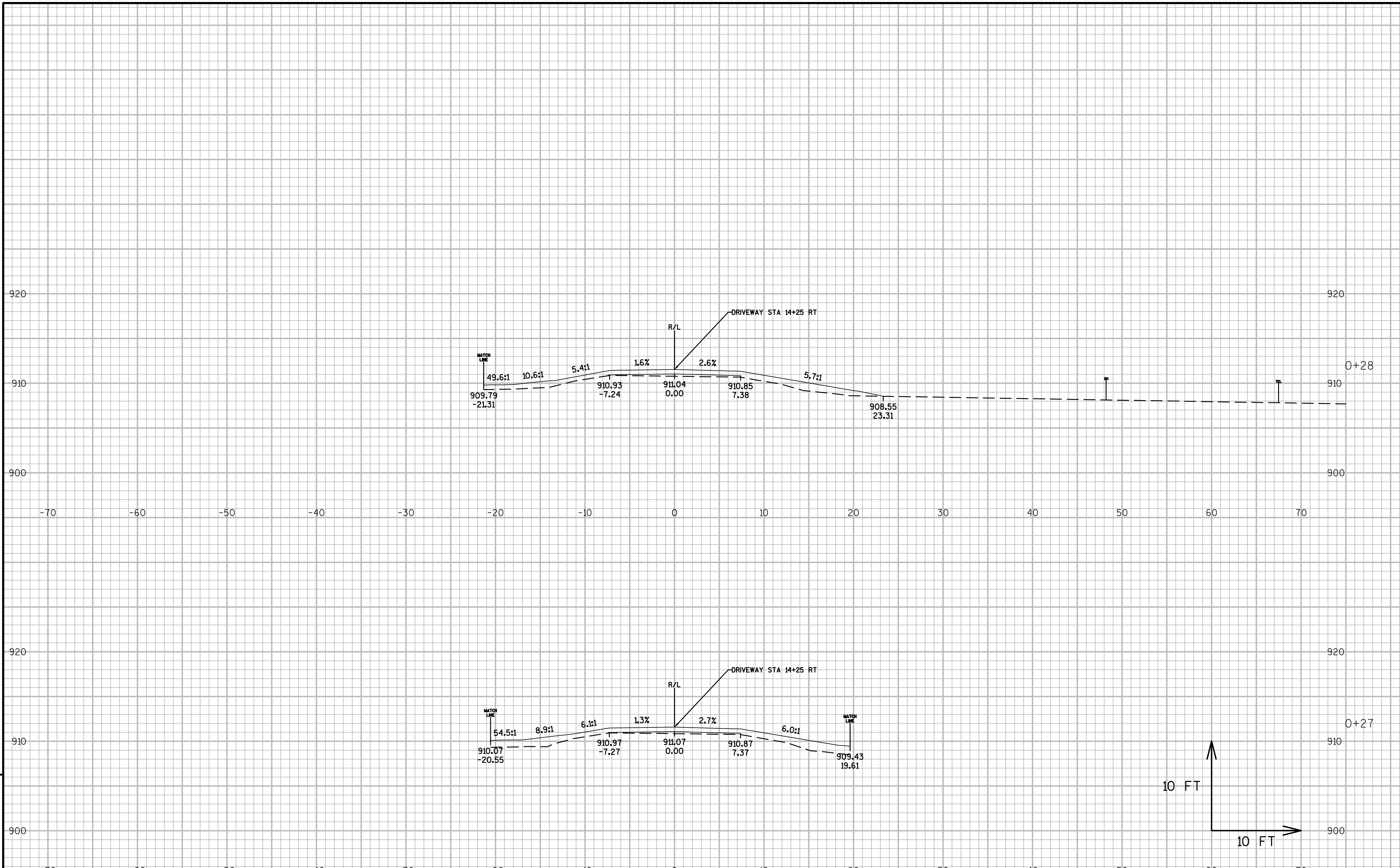

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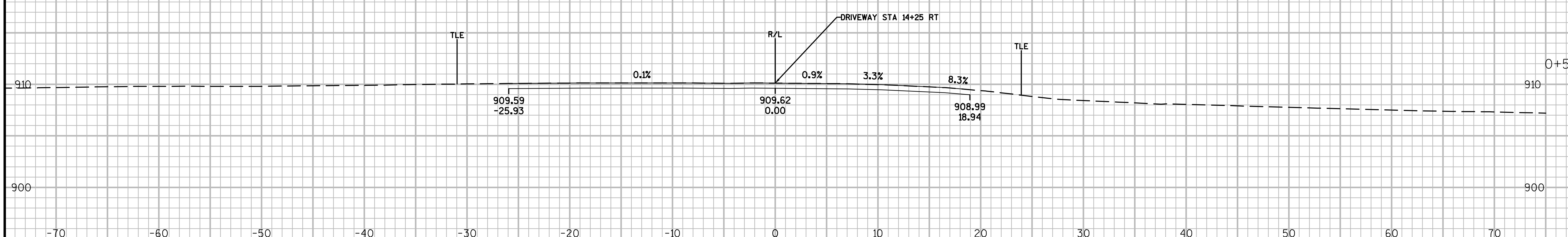
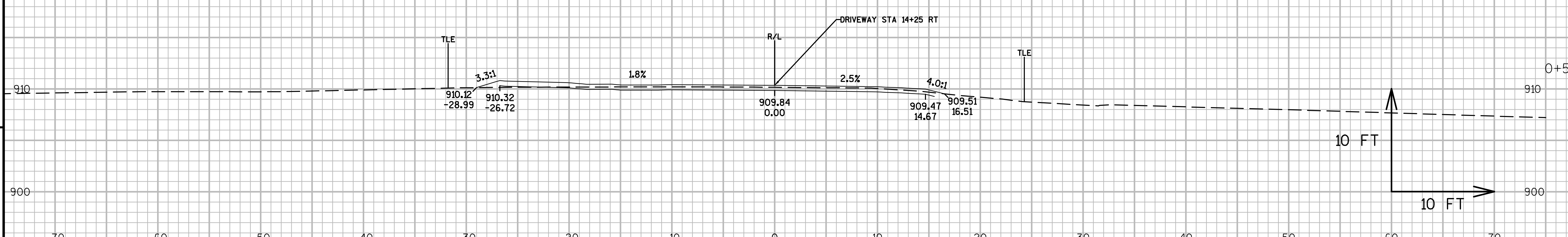
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E





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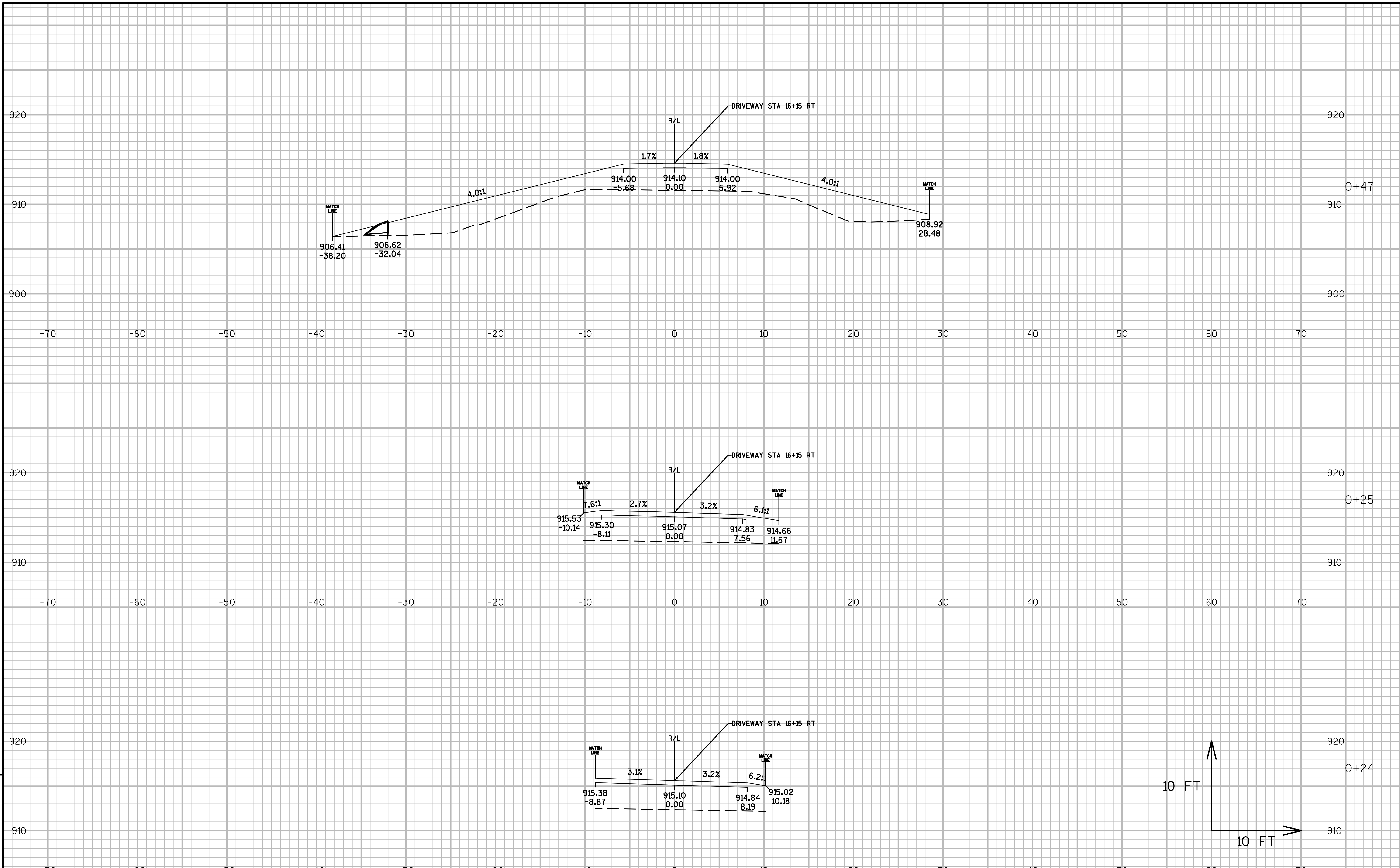
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



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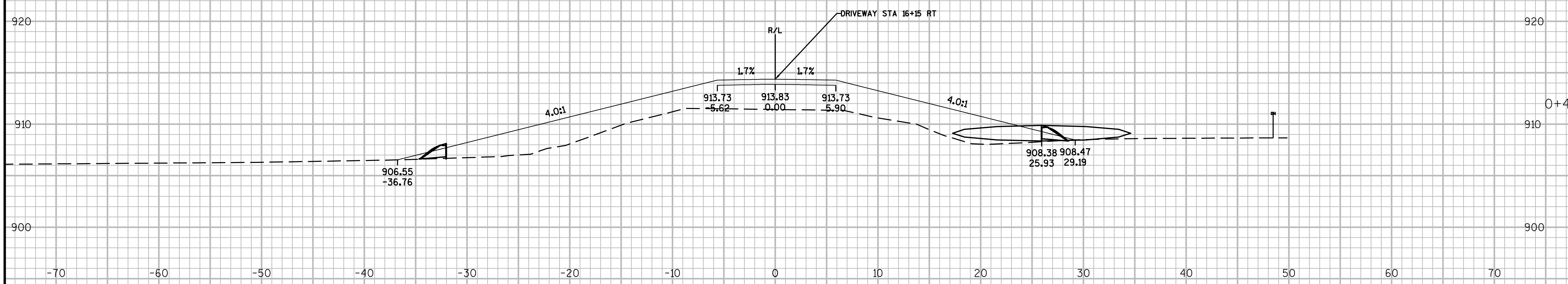
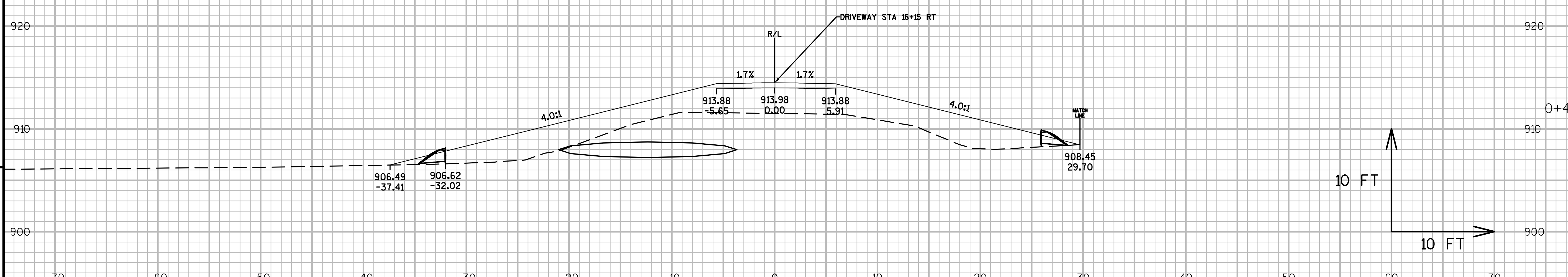
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 16+15 RT - (1)
PLOT DATE : 2/17/2017 1:08 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



STA 0+47 - 0+49
SKEW 2° RHF
1 - 18" Ø x 58' CPCSAC REQ'D.
2 - APRON ENDWALLS REQ'D.



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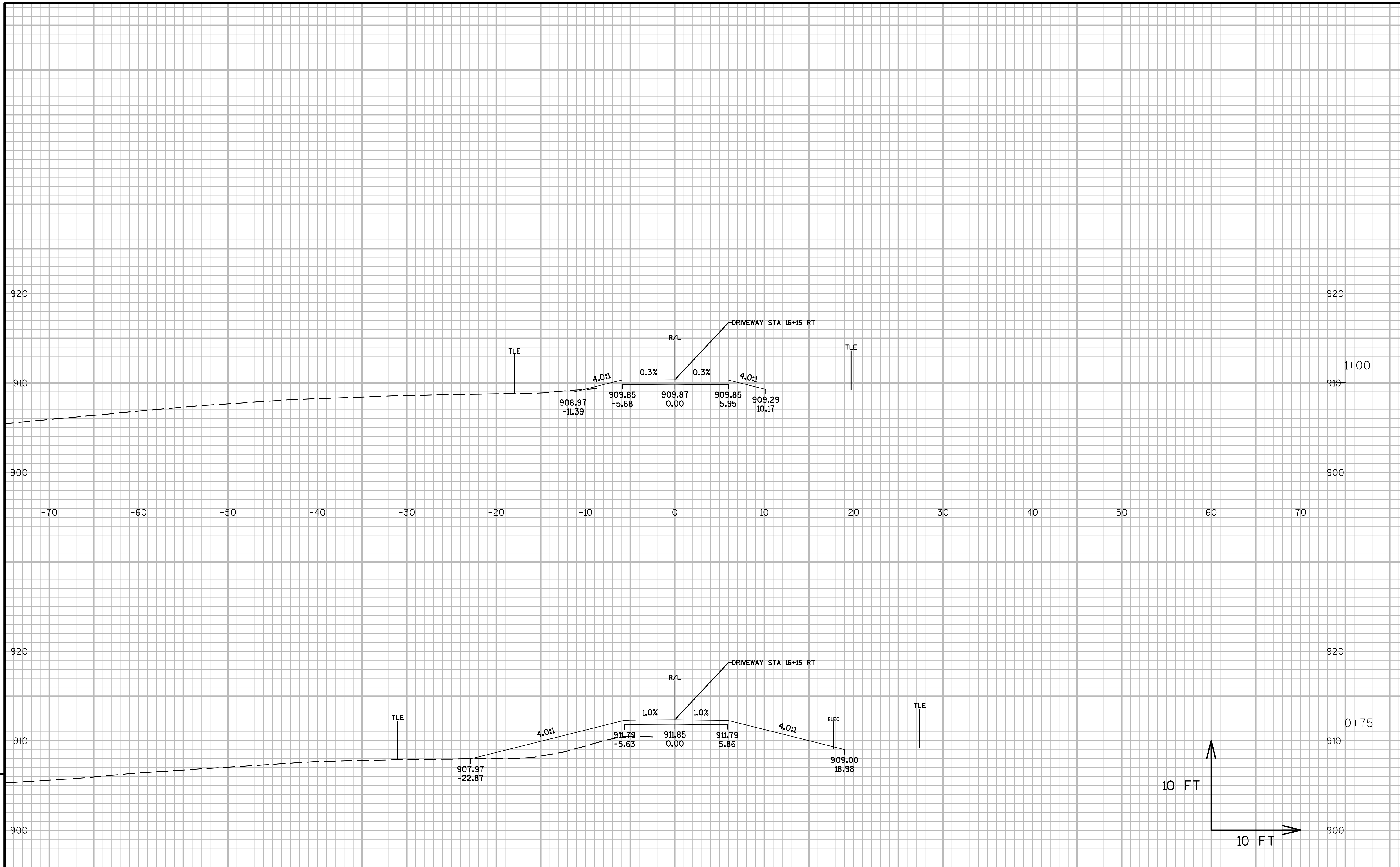
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



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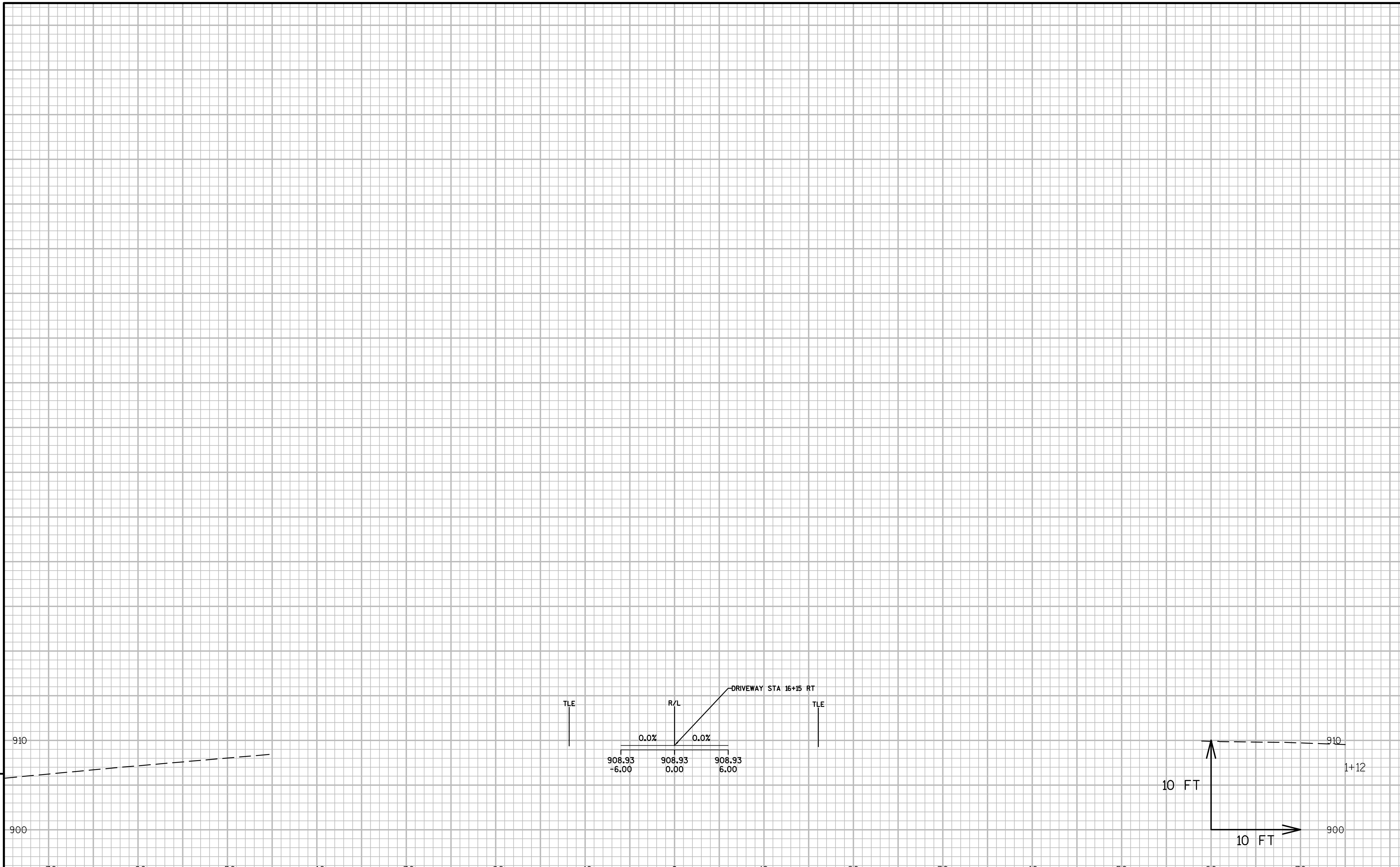
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 16+15 RT - (3)

PLOT DATE : 2/17/2017 1:08 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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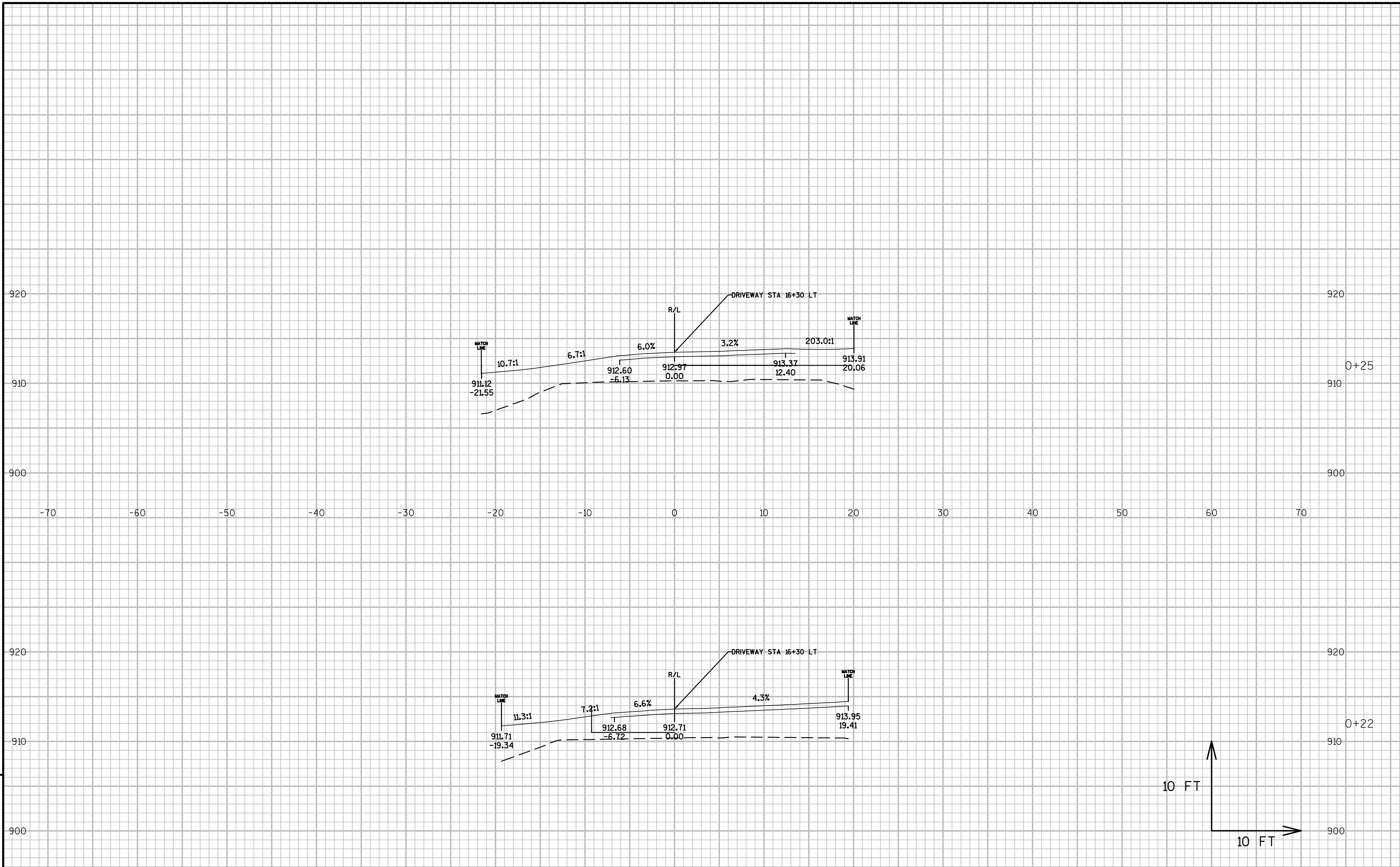
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



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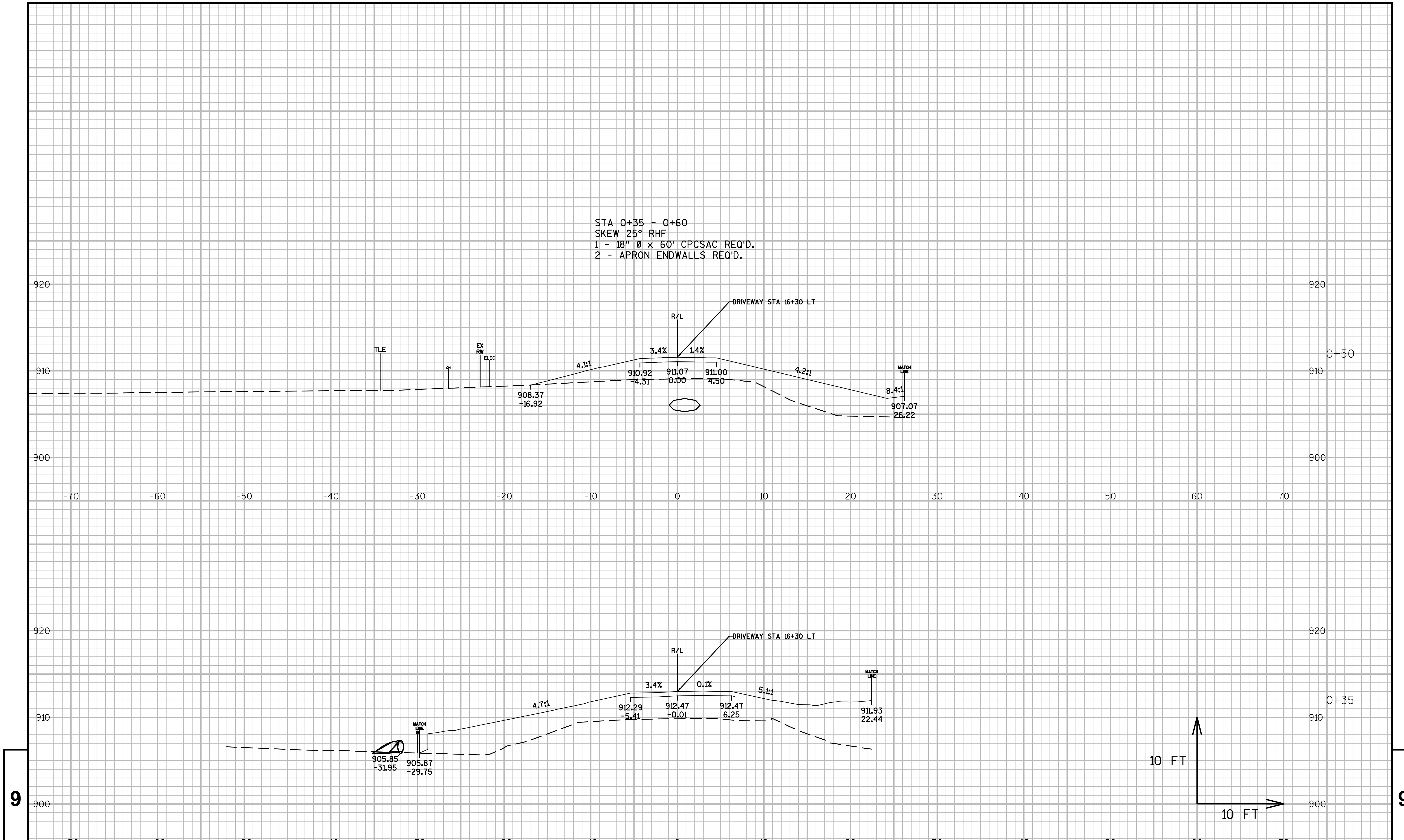
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 16+30 LT - (1)

PLOT DATE : 2/17/2017 1:08 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

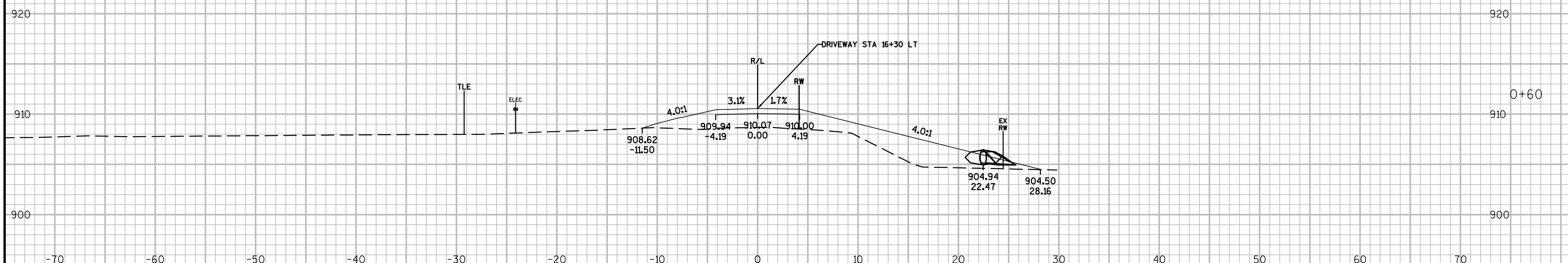


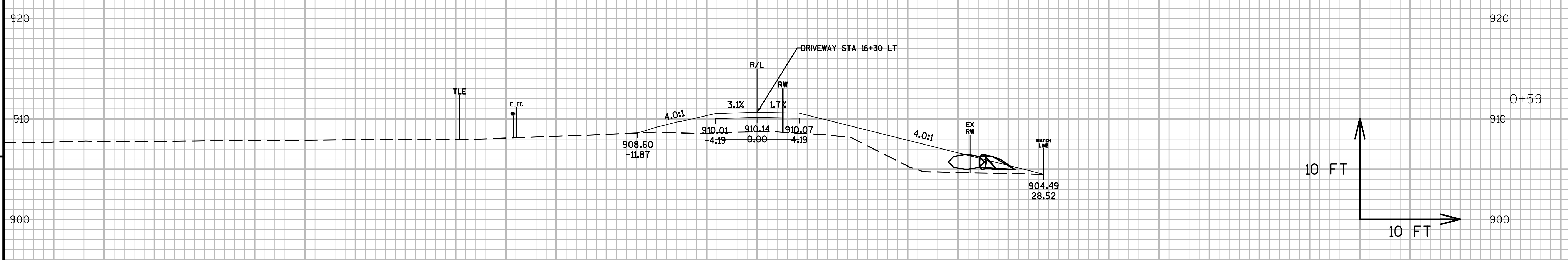
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 16+30 LT - (2)

PLOT DATE : 2/17/2017 1:08 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49





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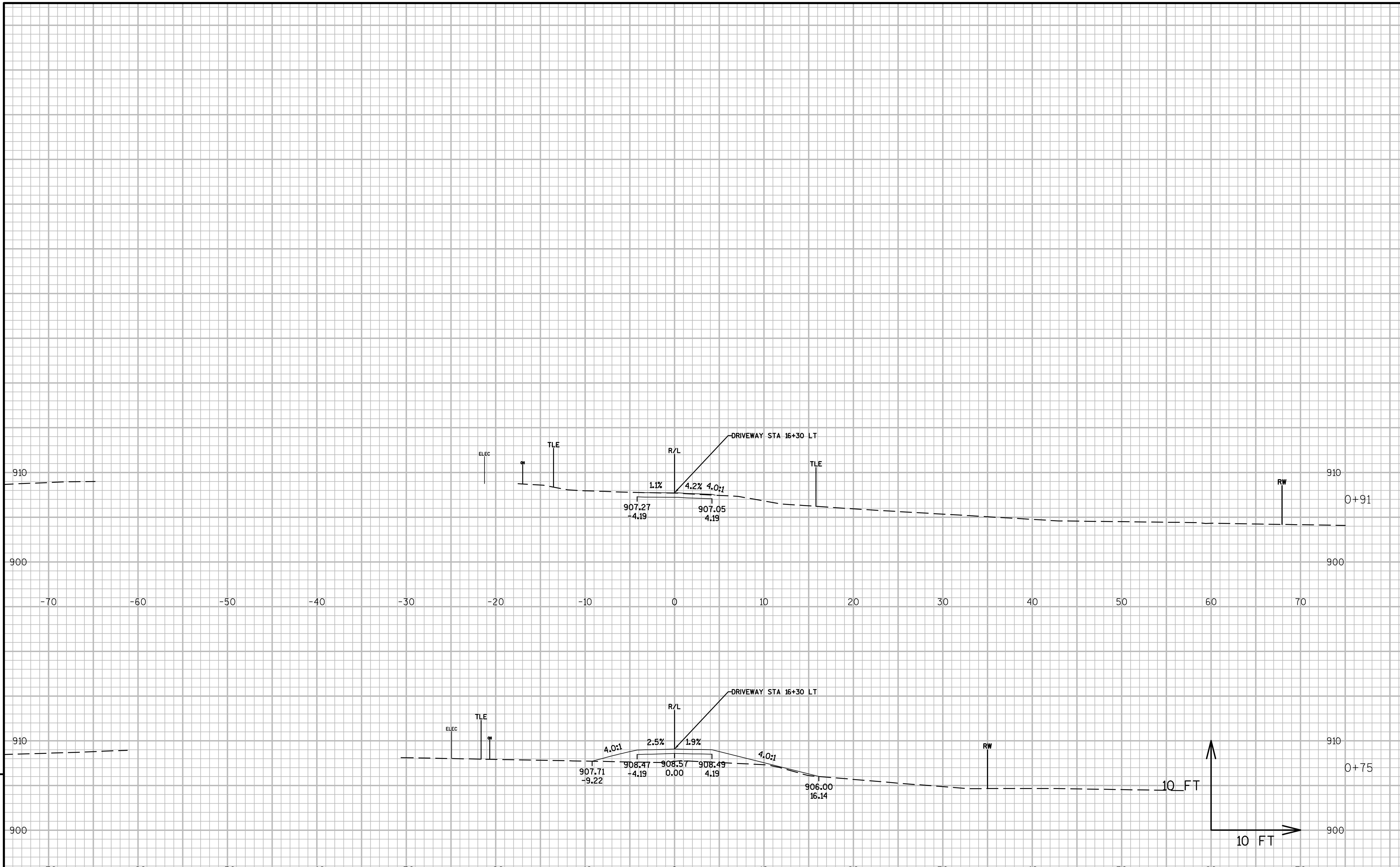
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 16+30 LT - (3)

PLOT DATE : 2/17/2017 1:08 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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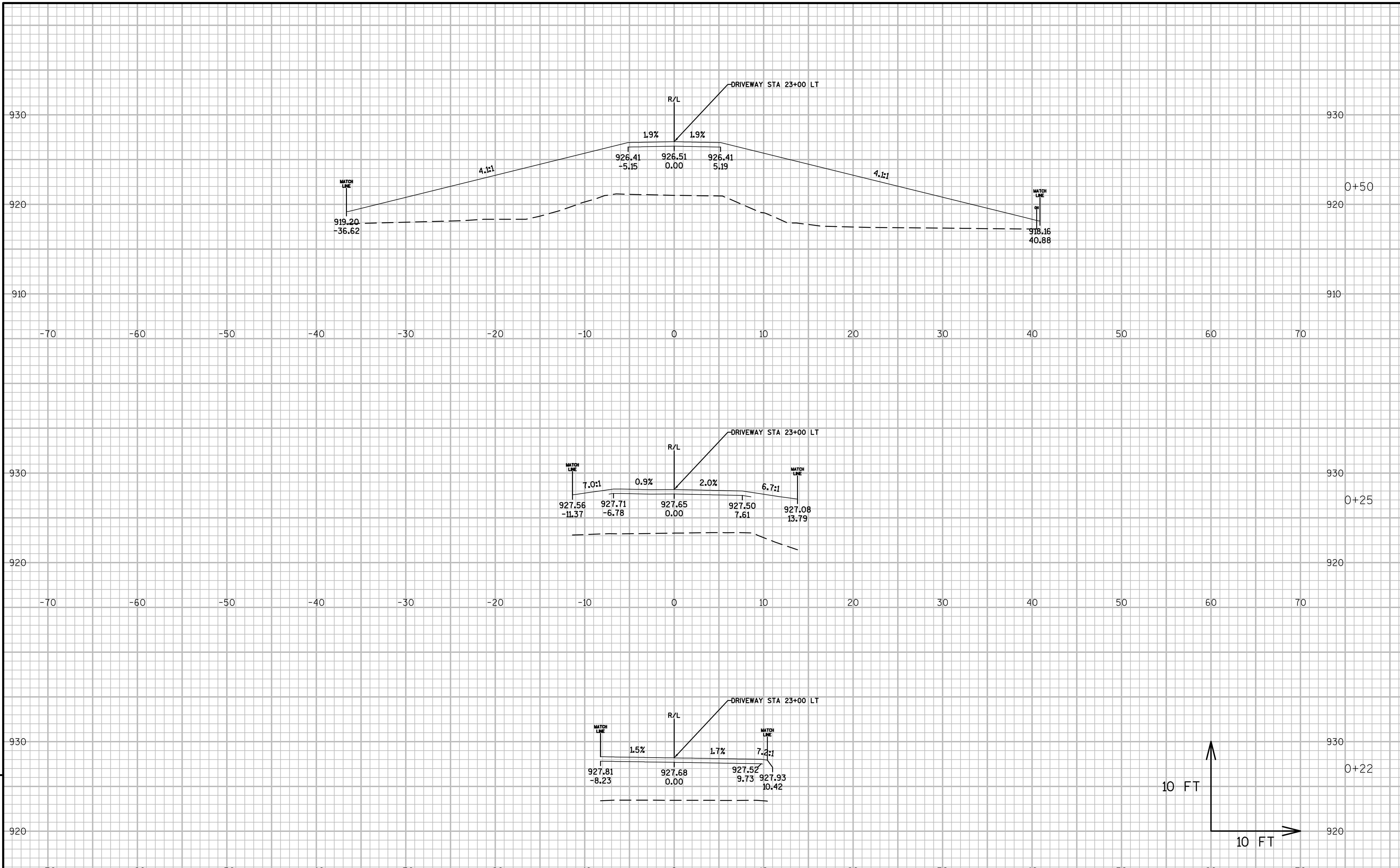
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 16+30 LT - (4)

PLOT DATE : 2/17/2017 1:08 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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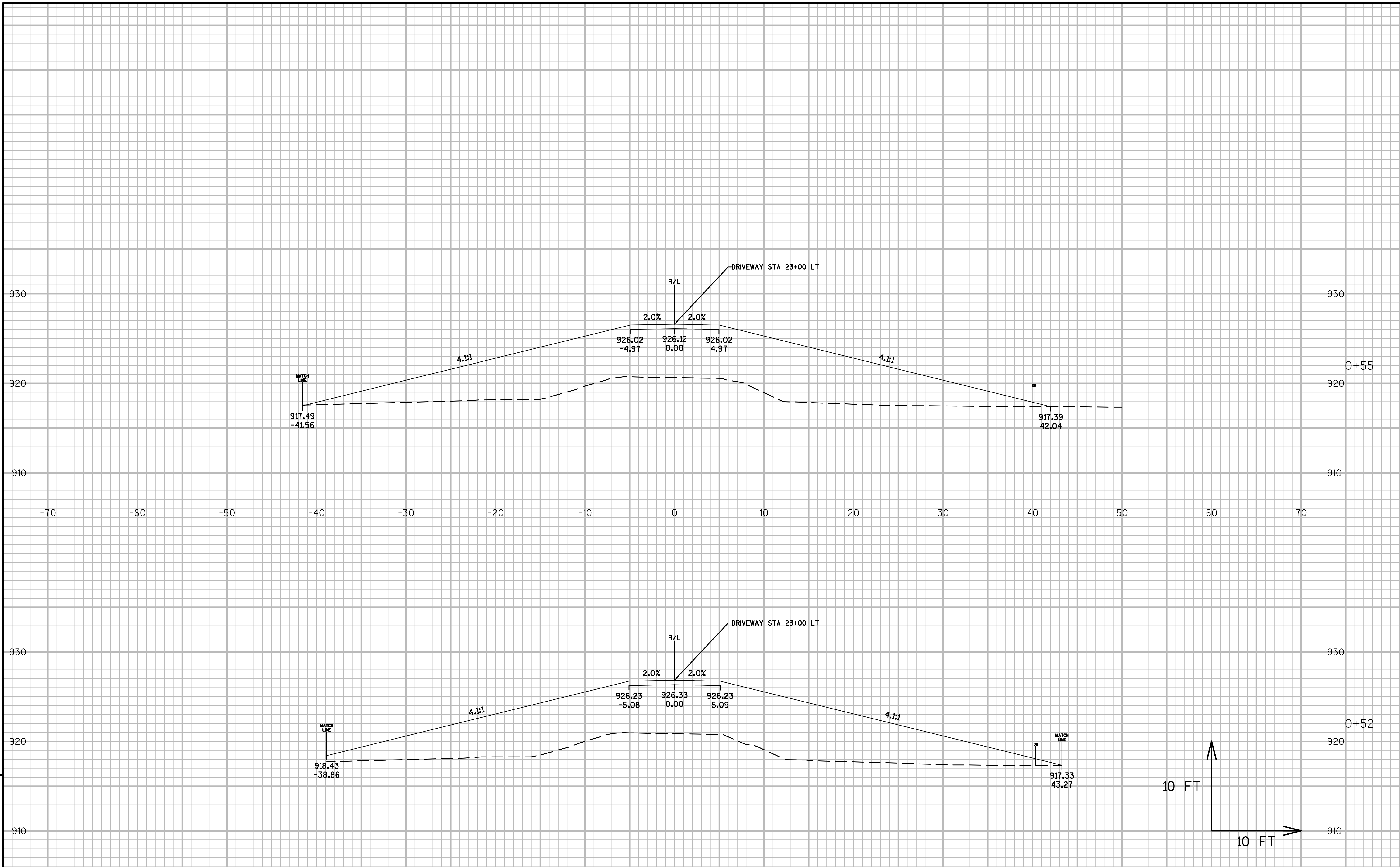
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



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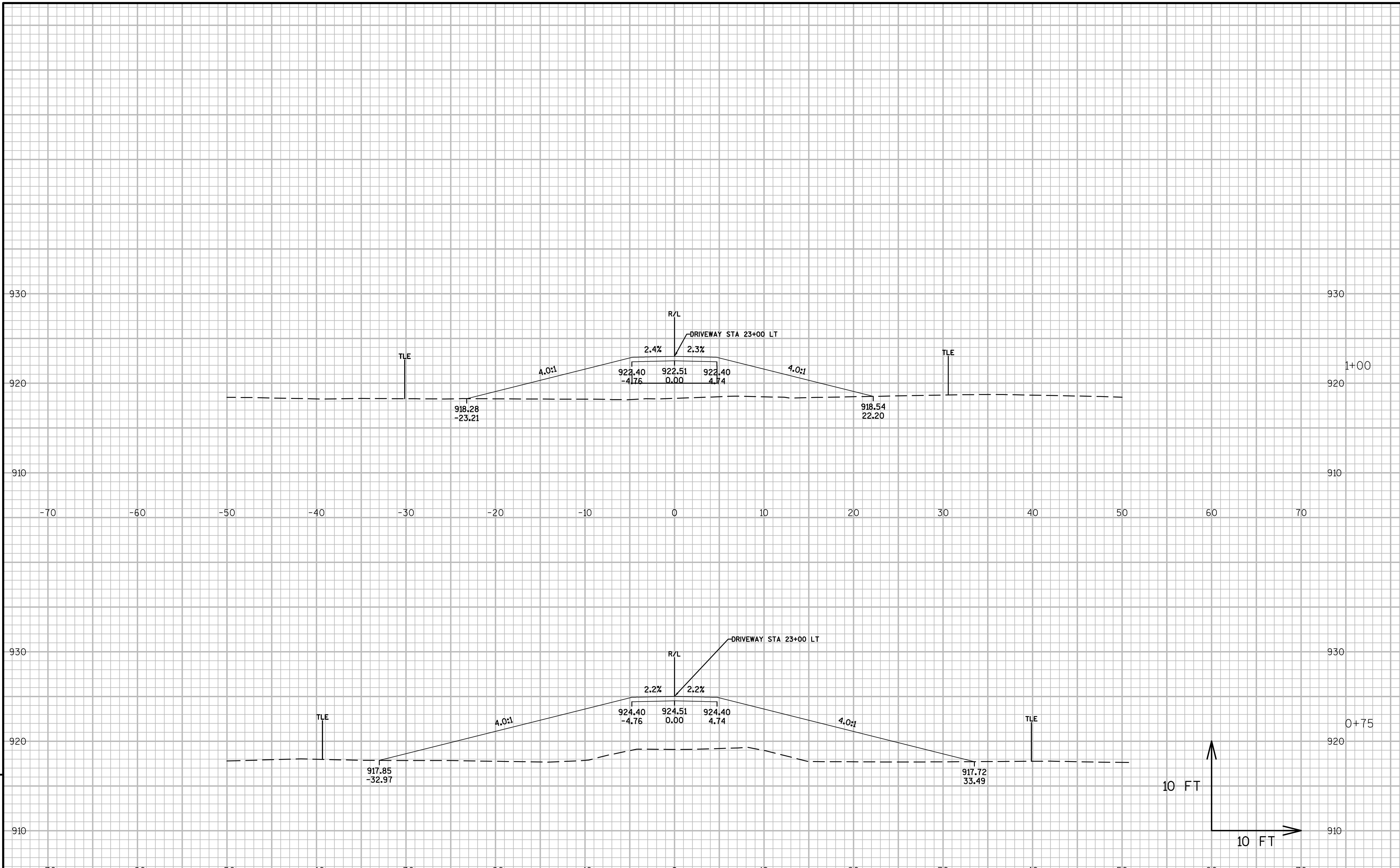
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 23+00 LT - (2)
PLOT DATE : 2/17/2017 1:09 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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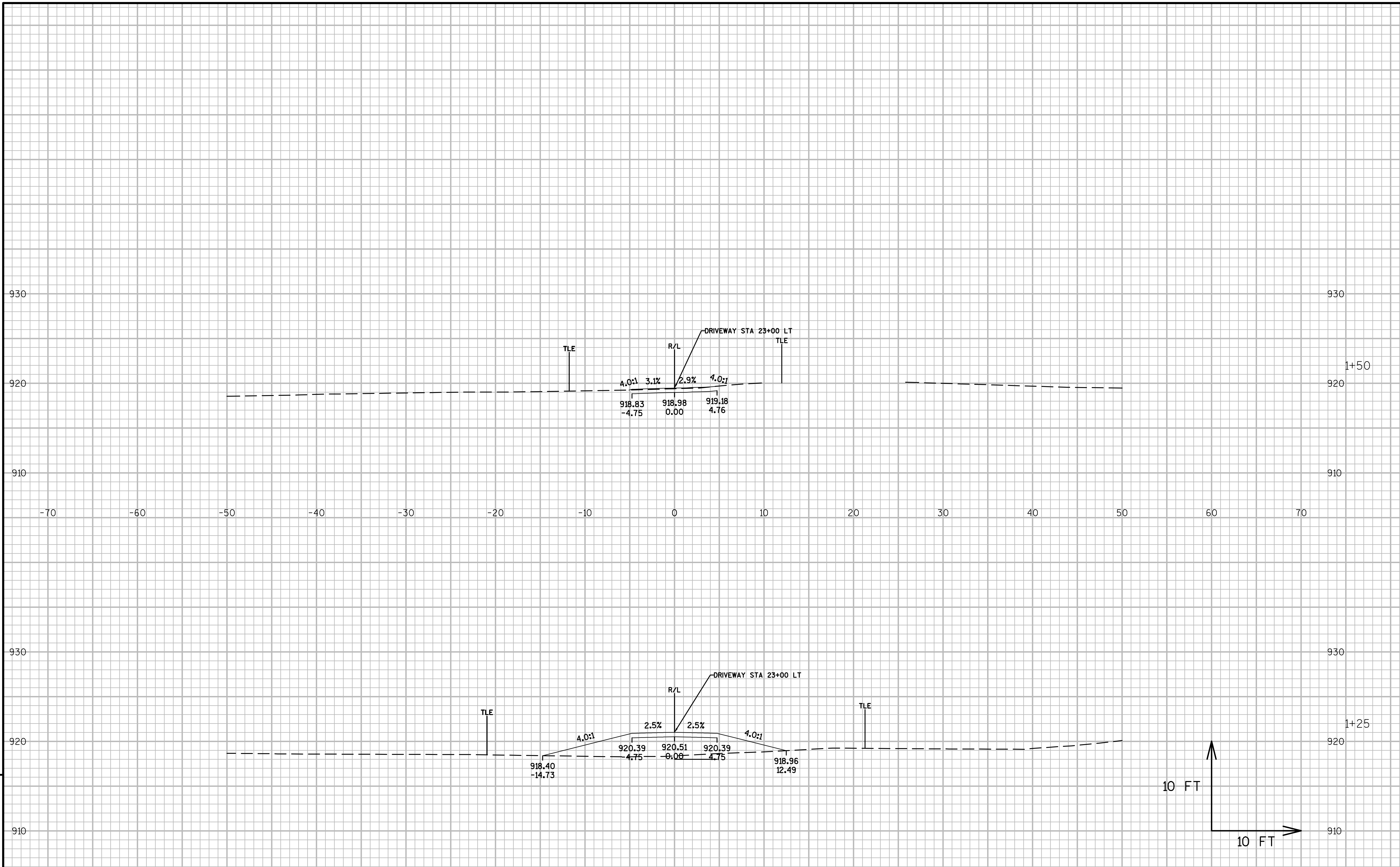
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 23+00 LT - (3)
PLOT DATE : 2/17/2017 1:09 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



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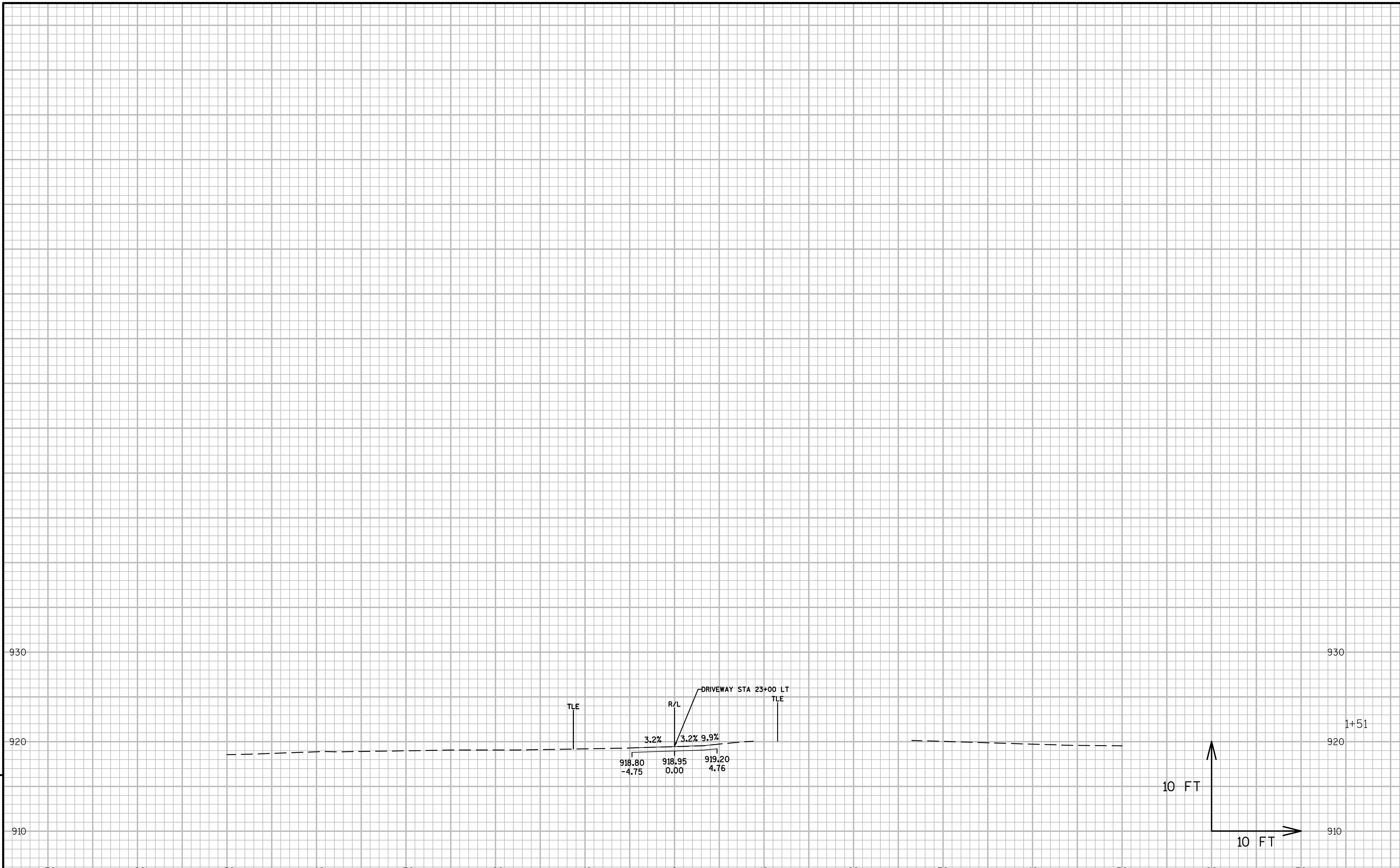
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 23+00 LT - (4)
PLOT DATE : 2/17/2017 1:09 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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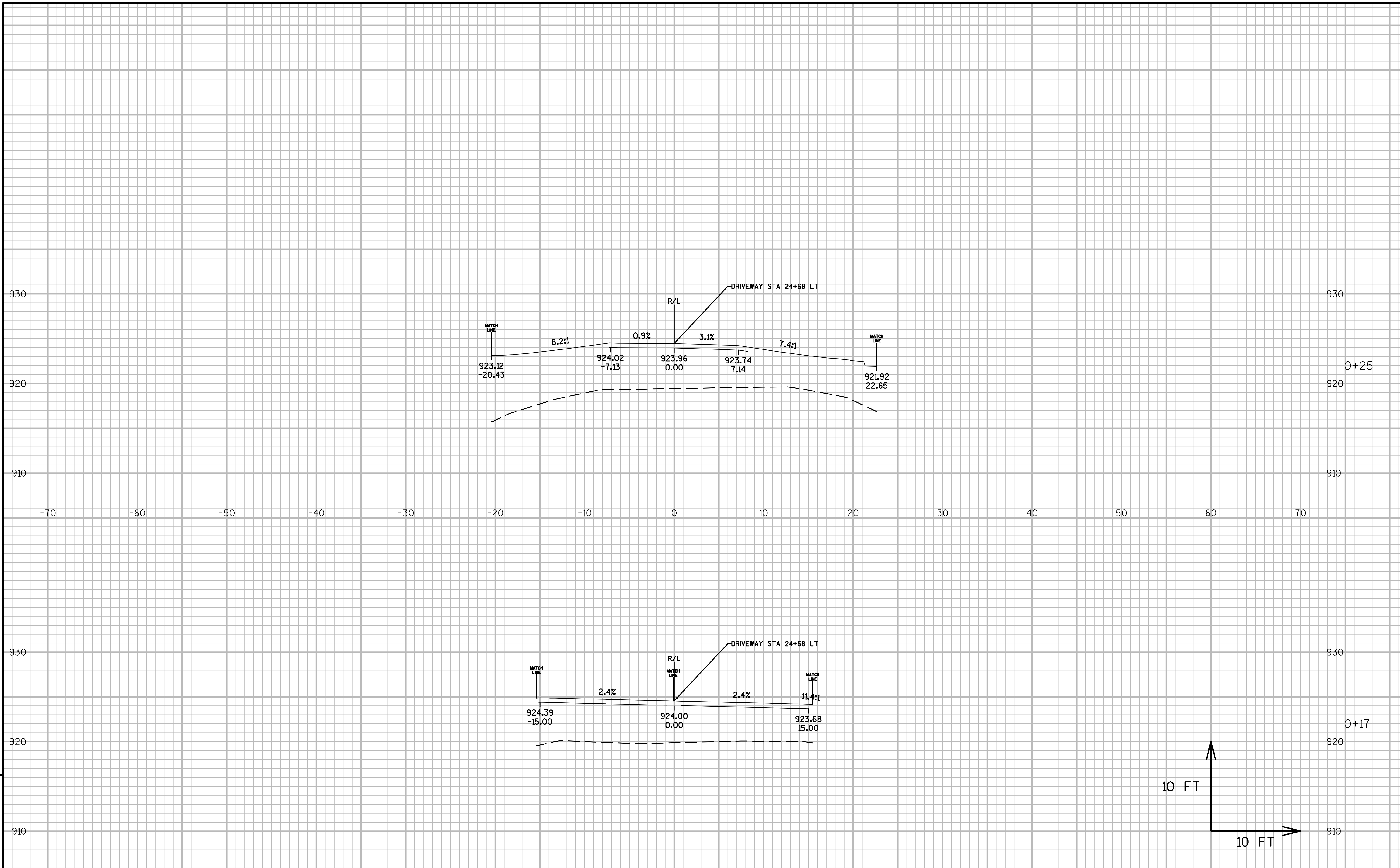
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 23+00 LT - (5)
PLOT DATE : 2/17/2017 1:09 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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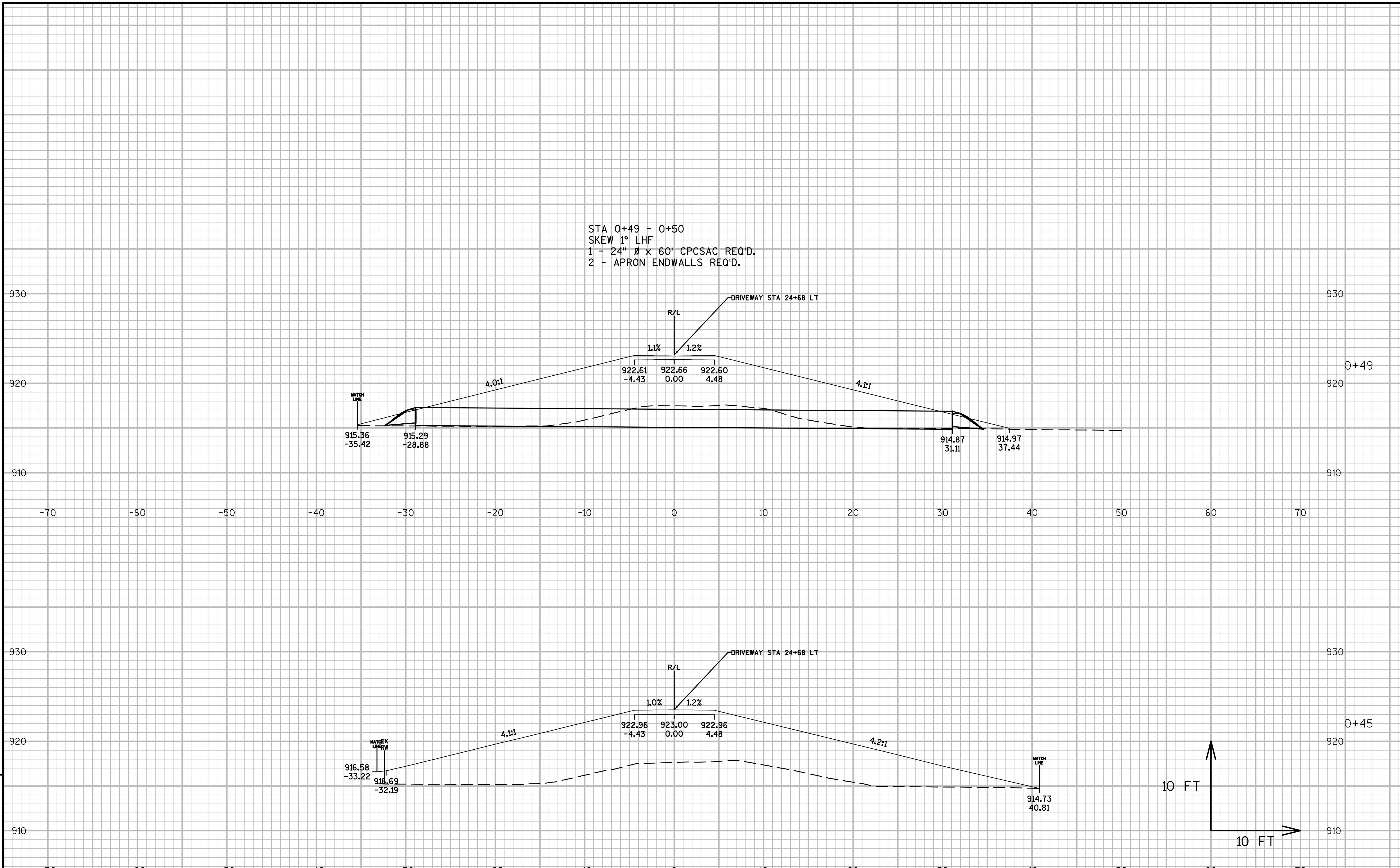
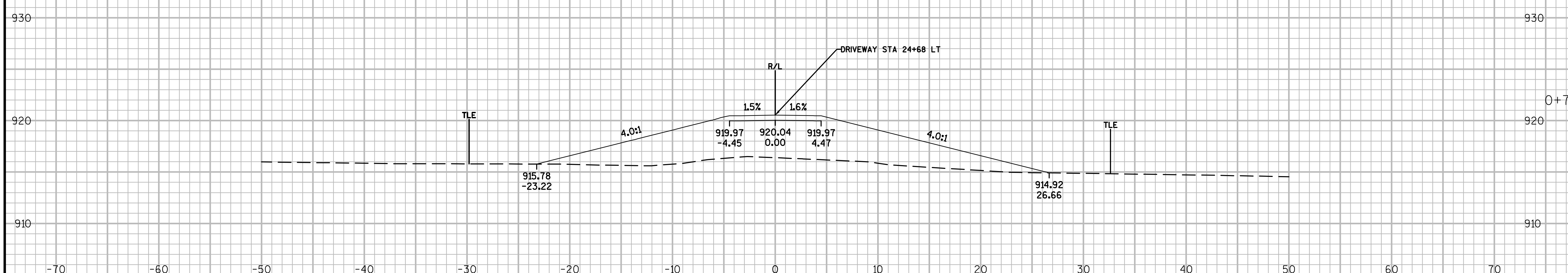
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

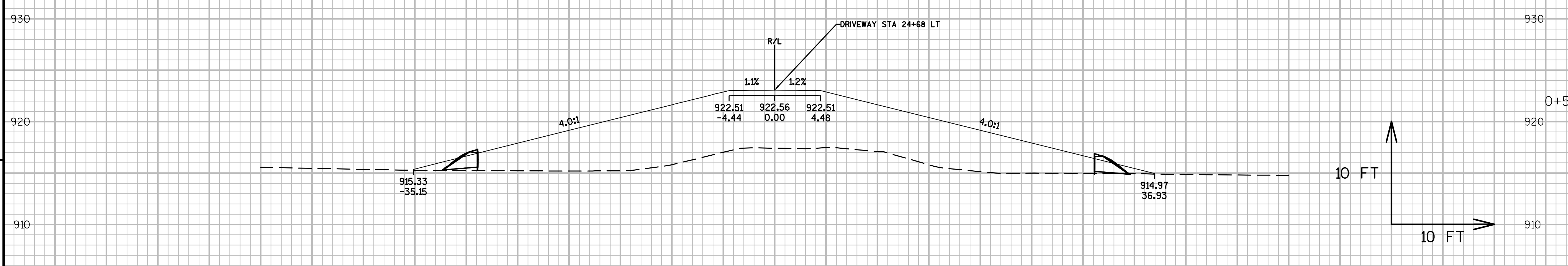


PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

9

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 24+68 LT - (2)
PLOT DATE : 2/17/2017 1:09 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1





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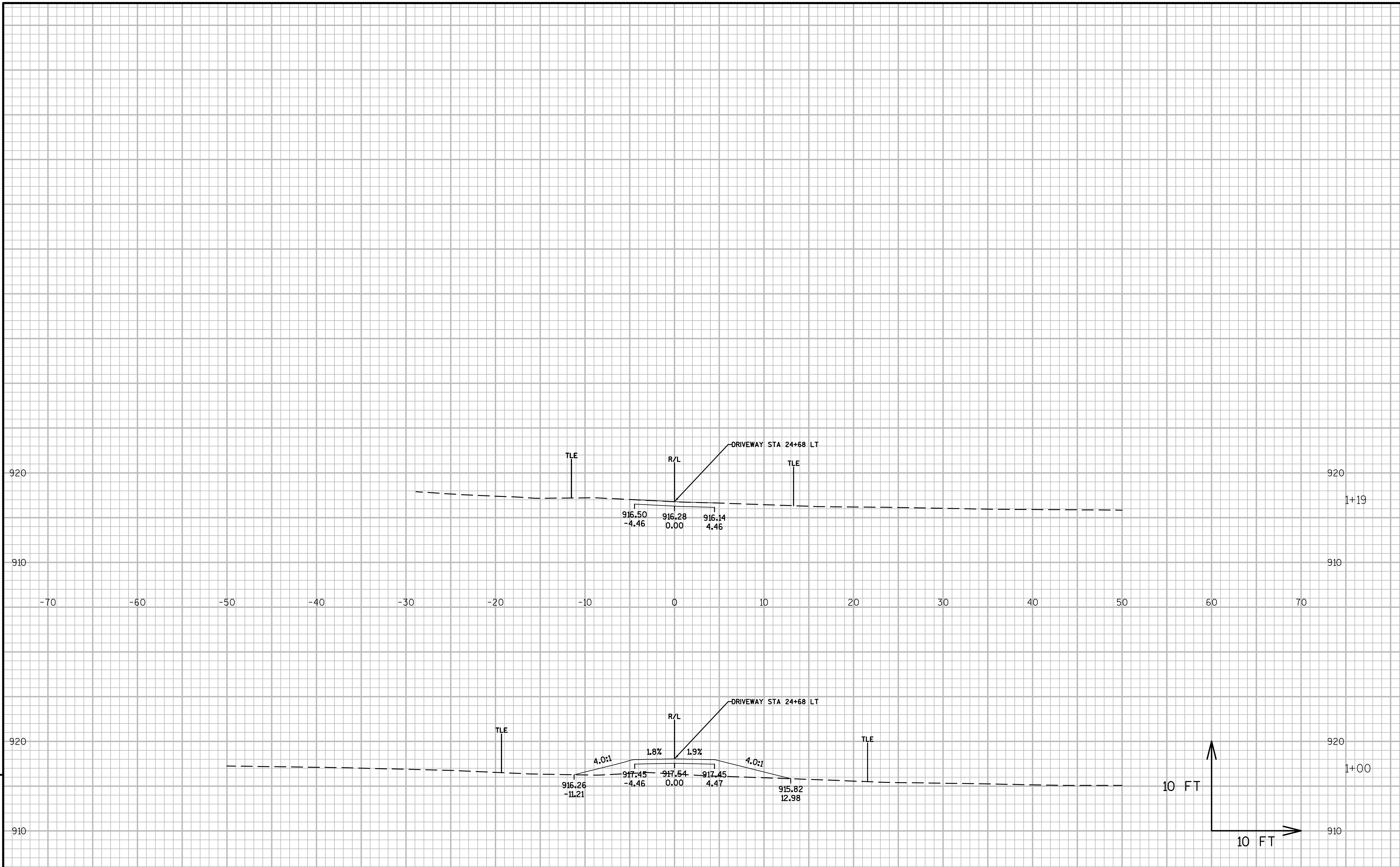
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E



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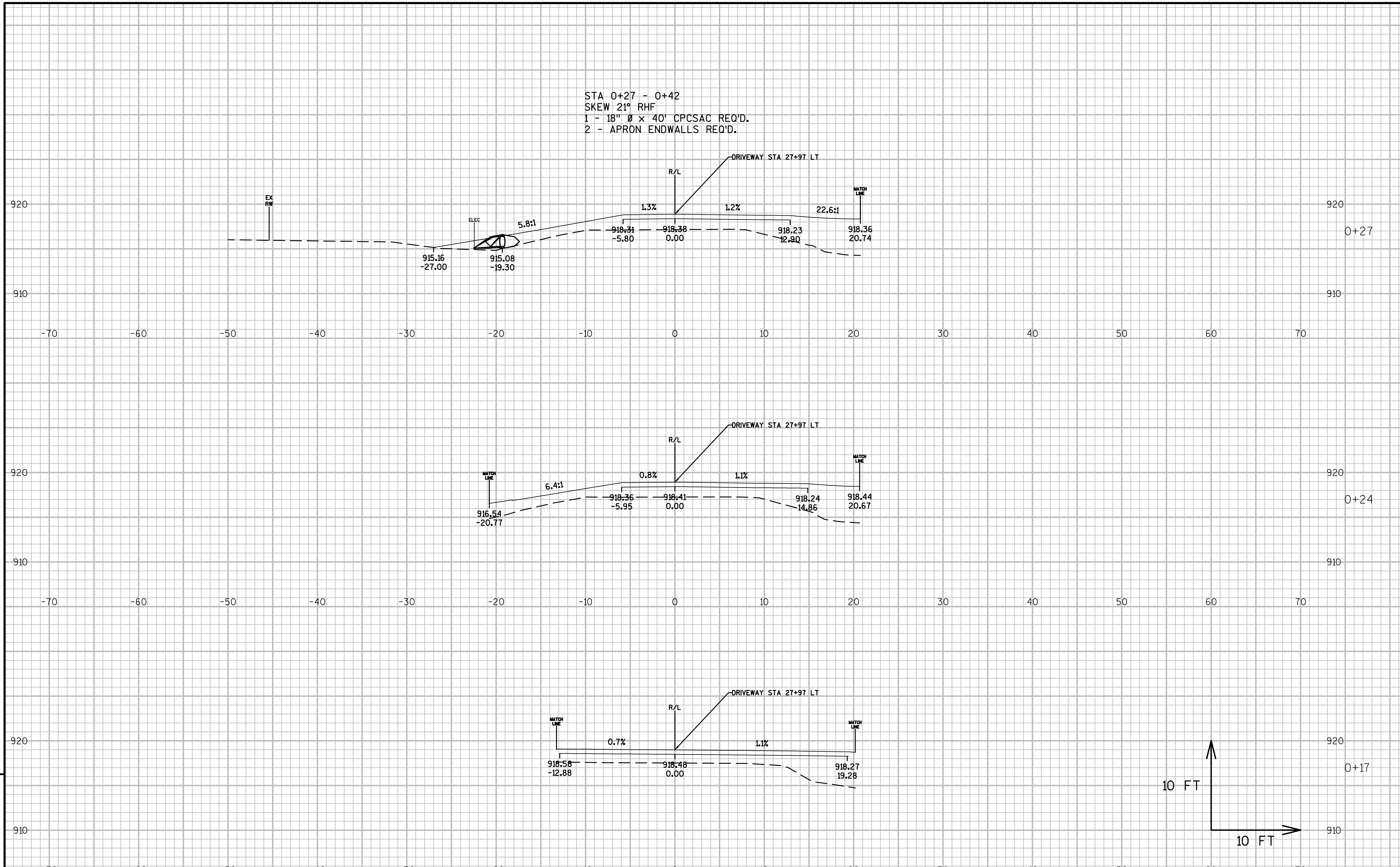
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 24+68 LT - (4)
PLOT DATE : 2/17/2017 1:10 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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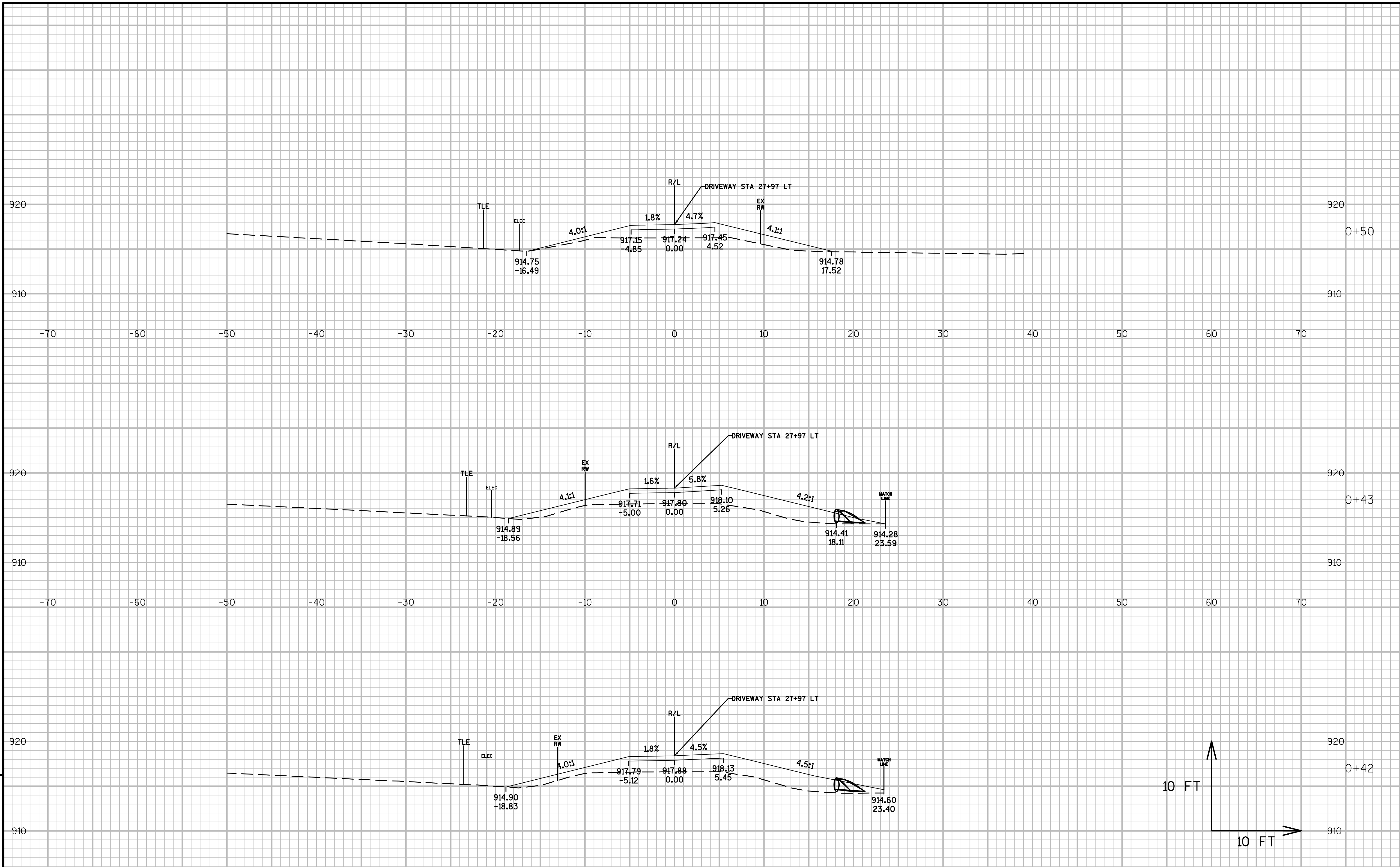
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 27+97 LT - (1)
PLOT DATE : 2/17/2017 1:10 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



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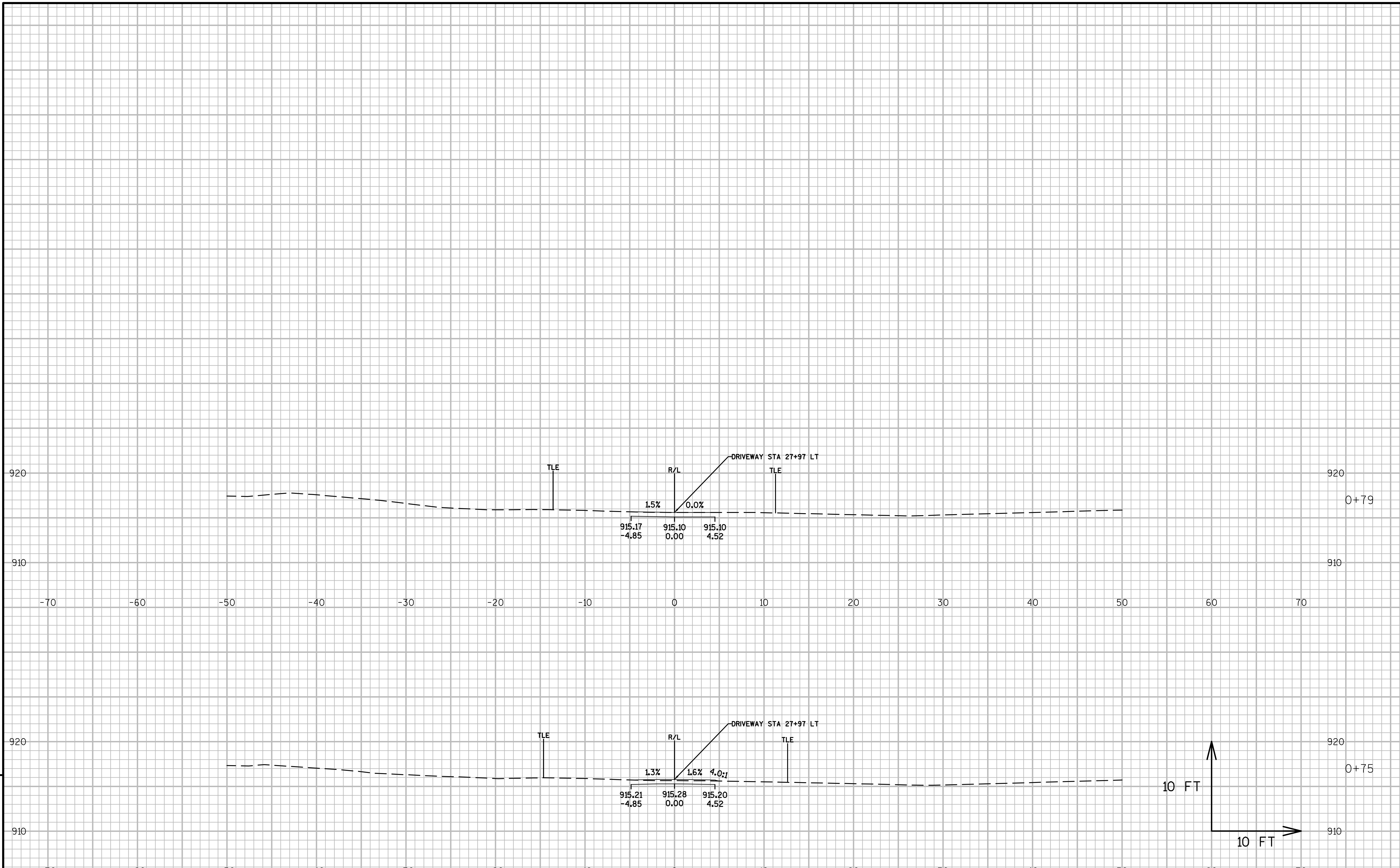
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS.DWG
LAYOUT NAME - DWY STA 27+97 LT - (2)

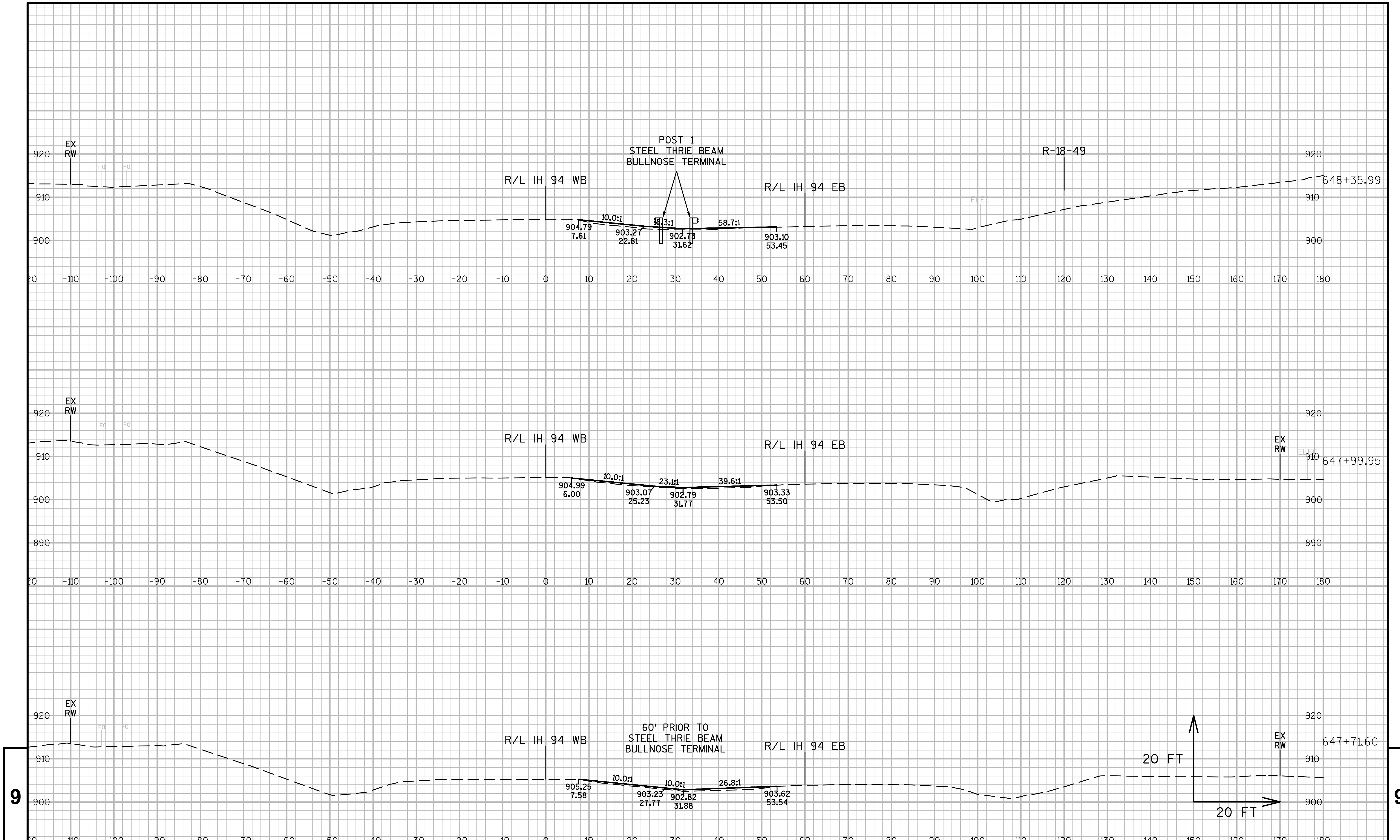
PLOT DATE : 2/17/2017 1:10 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49


TLE
R/L
DRIVEWAY STA 27+97 LT
TLE
1.5%
0.0%
915.17
-4.85
915.10
0.00
915.10
4.52
0+79
TLE
R/L
DRIVEWAY STA 27+97 LT
TLE
1.3%
1.6%
4.0:1
915.21
-4.85
915.28
0.00
915.20
4.52
0+75
10 FT
10 FT
920
910
-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70

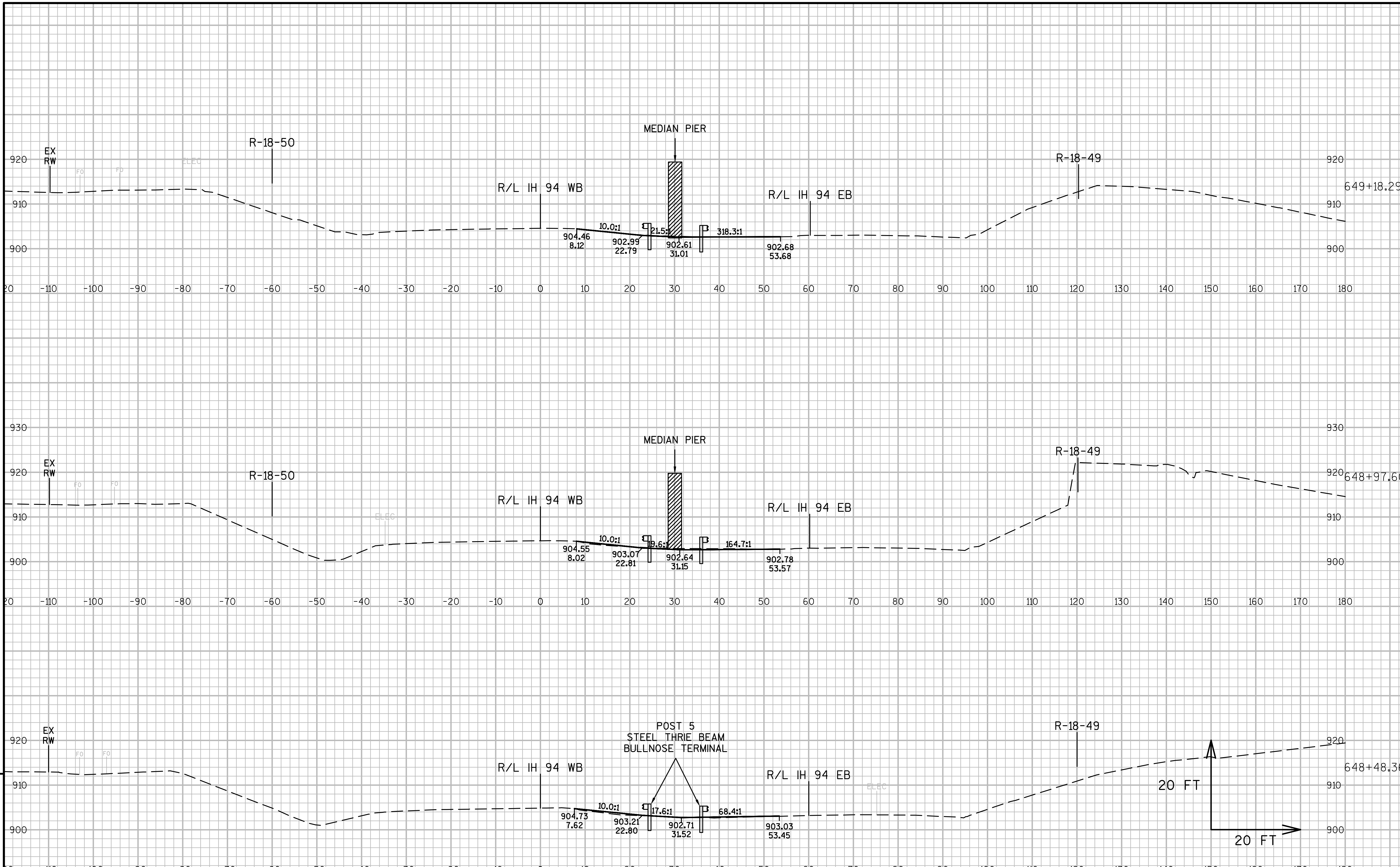
9

PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 MEDIAN AT CTH I	SHEET	E



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 MEDIAN AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\DESIGN\CORRIDORS\CRDR-CTHI-BEGIN-TO-END MEDIAN BG_02.21.2017.DWG
LAYOUT NAME - CTH I MEDIAN BG - (2)
PLOT DATE : 2/22/2017 1:58 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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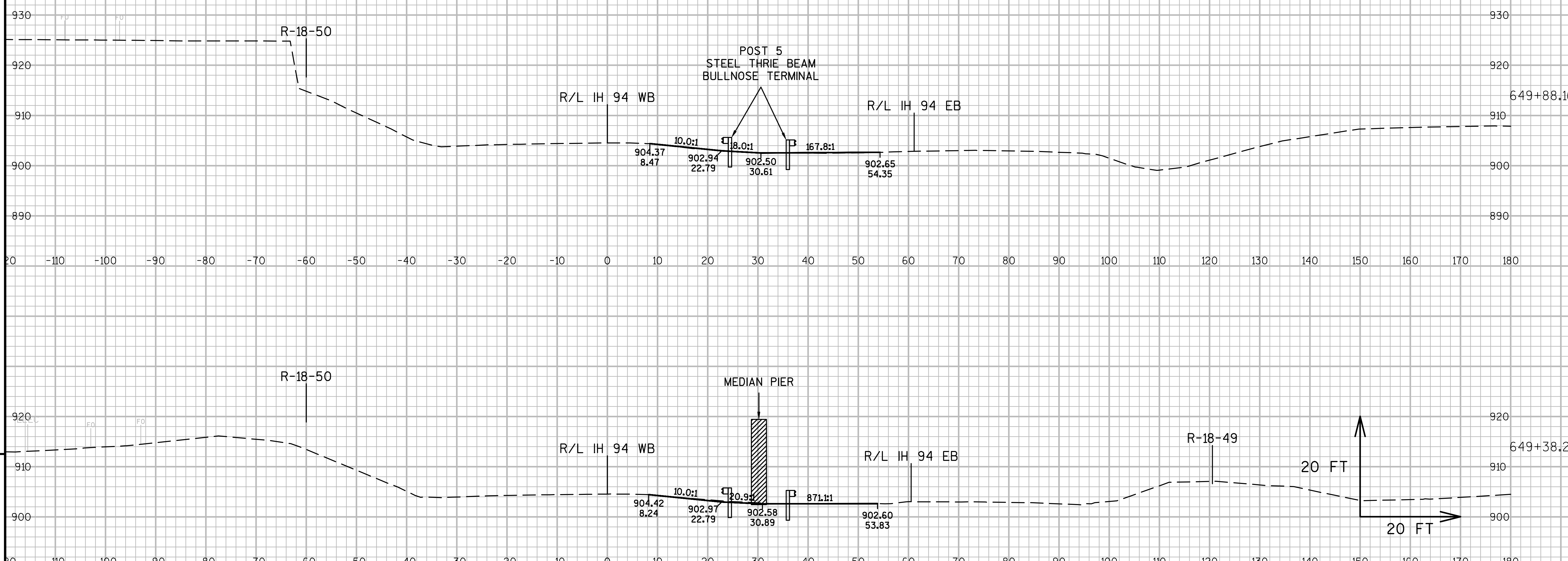
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:IH 94 MEDIAN AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\DESIGN\CORRIDORS\CRDR-CTHI-BEGIN-TO-END MEDIAN BG_02.21.2017.DWG
LAYOUT NAME - CTH I MEDIAN BG - (3)
PLOT DATE : 2/22/2017 1:58 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 49



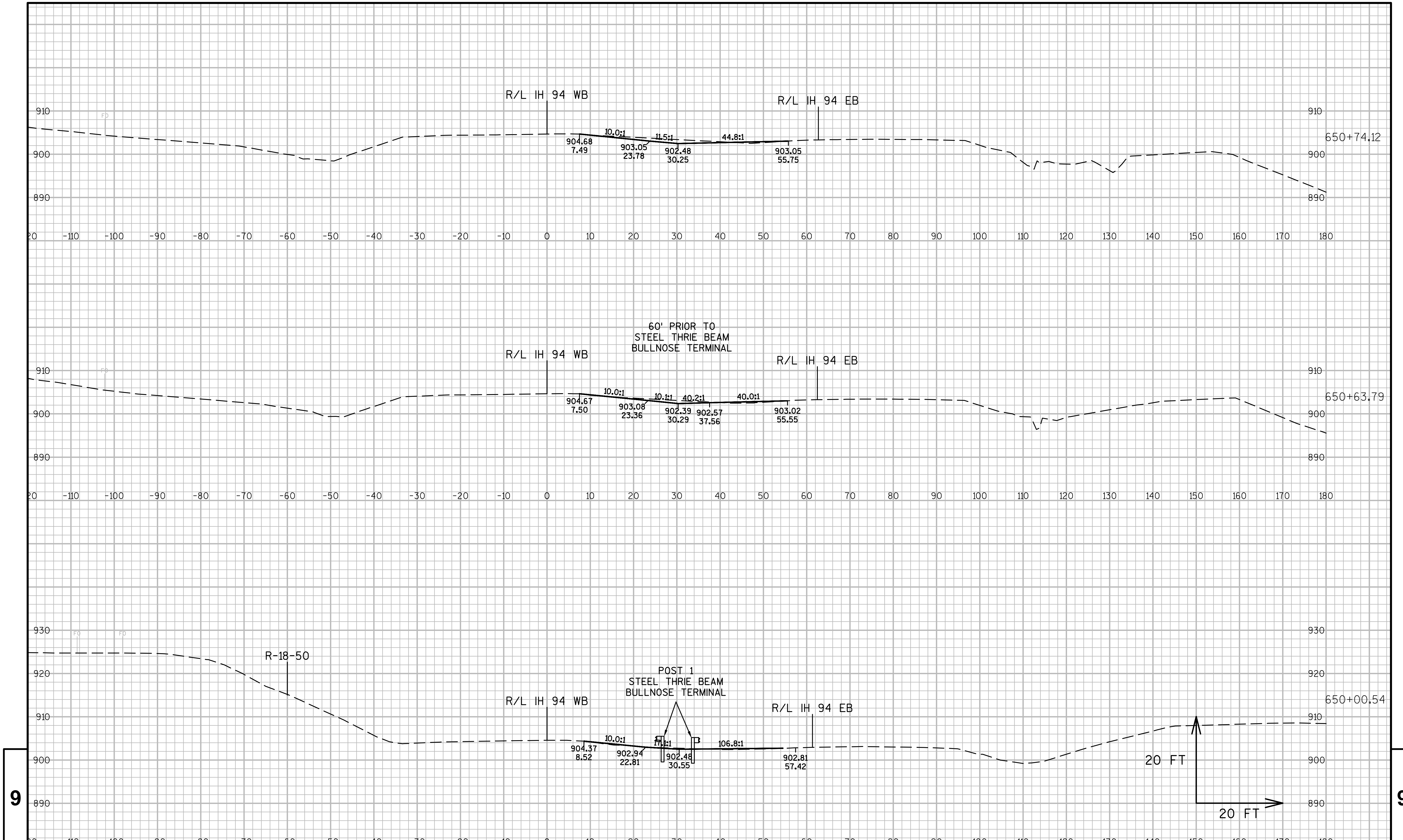
9

PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:IH 94 MEDIAN AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\DESIGN\CORRIDORS\CRDR-CTHI-BEGIN-TO-END MEDIAN BG_02.21.2017.DWG
LAYOUT NAME - CTH I MEDIAN BG - (4)

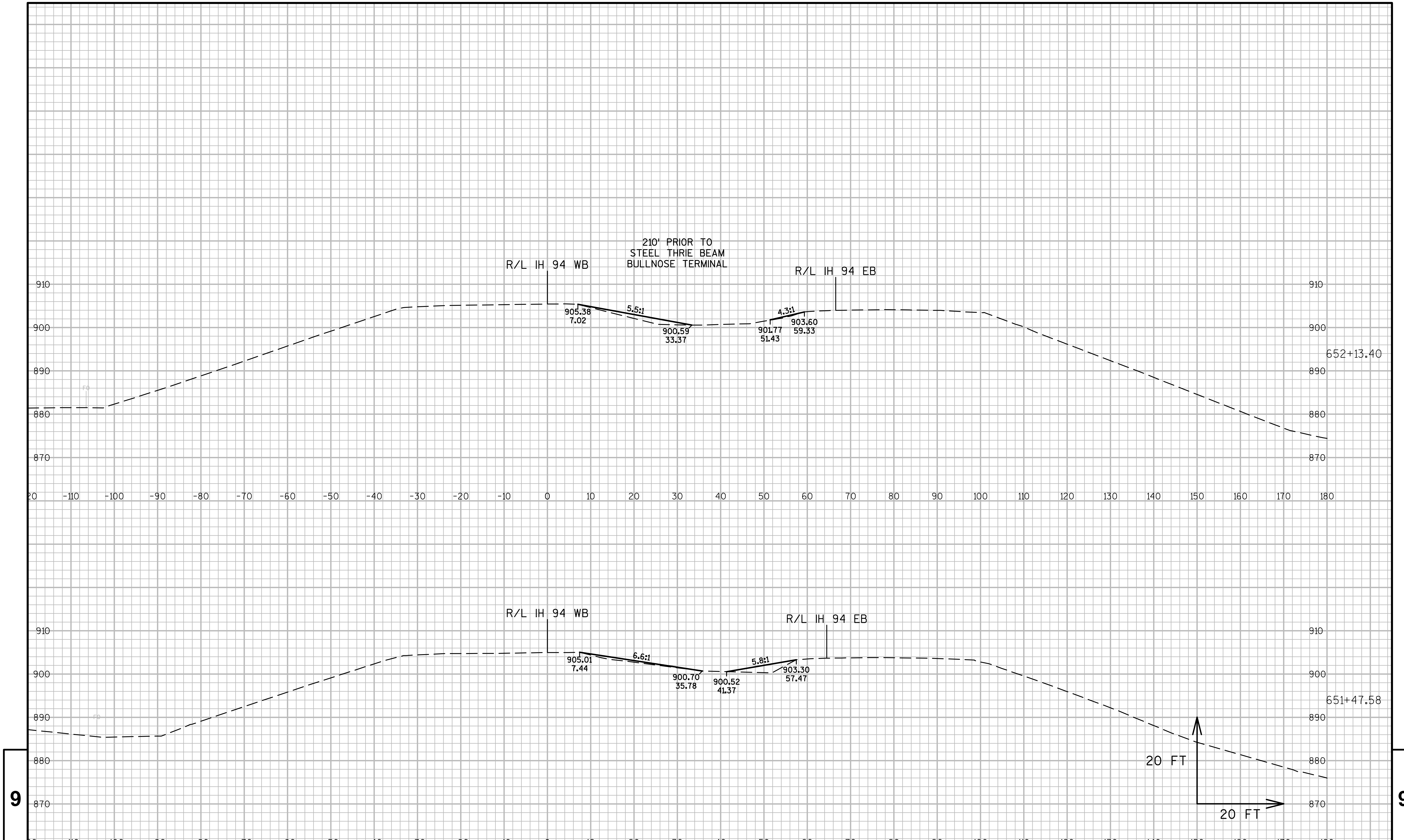
PLOT DATE : 2/22/2017 1:58 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



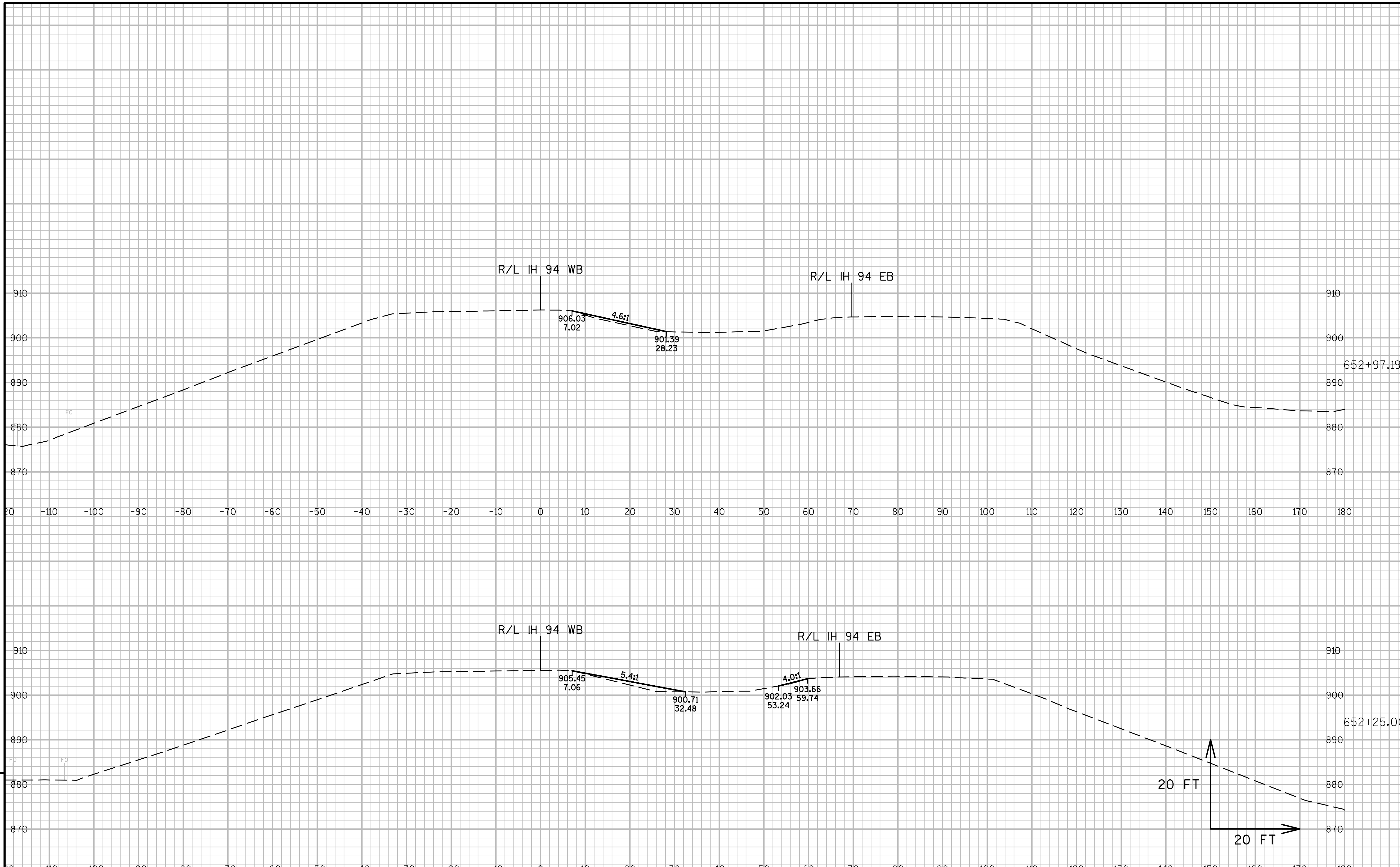
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 MEDIAN AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\DESIGN\CORRIDORS\CRDR-CTHI-BEGIN-TO-END MEDIAN BG_02.21.2017.DWG
LAYOUT NAME - CTH I MEDIAN BG - (5)
PLOT DATE : 2/22/2017 1:59 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 MEDIAN AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\DESIGN\CORRIDORS\CRDR-CTHI-BEGIN-TO-END MEDIAN BG_02.21.2017.DWG
LAYOUT NAME - CTH I MEDIAN BG - (6)
PLOT DATE : 2/22/2017 1:59 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT



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PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 MEDIAN AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\DESIGN\CORRIDORS\CRDR-CTHI-BEGIN-TO-END MEDIAN BG_02.21.2017.DWG
LAYOUT NAME - CTH I MEDIAN BG - (7)
PLOT DATE : 2/22/2017 1:59 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:20 FT

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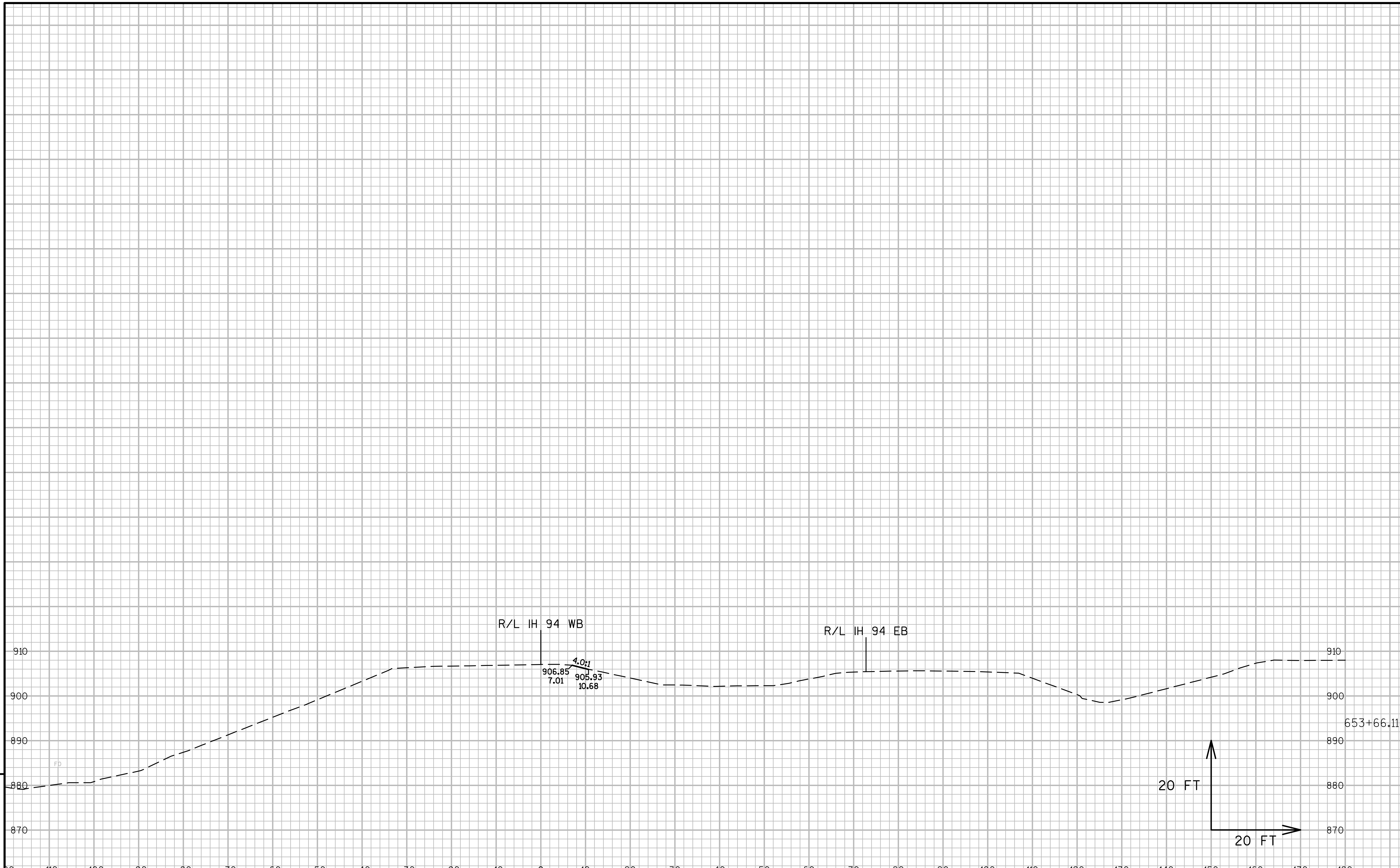

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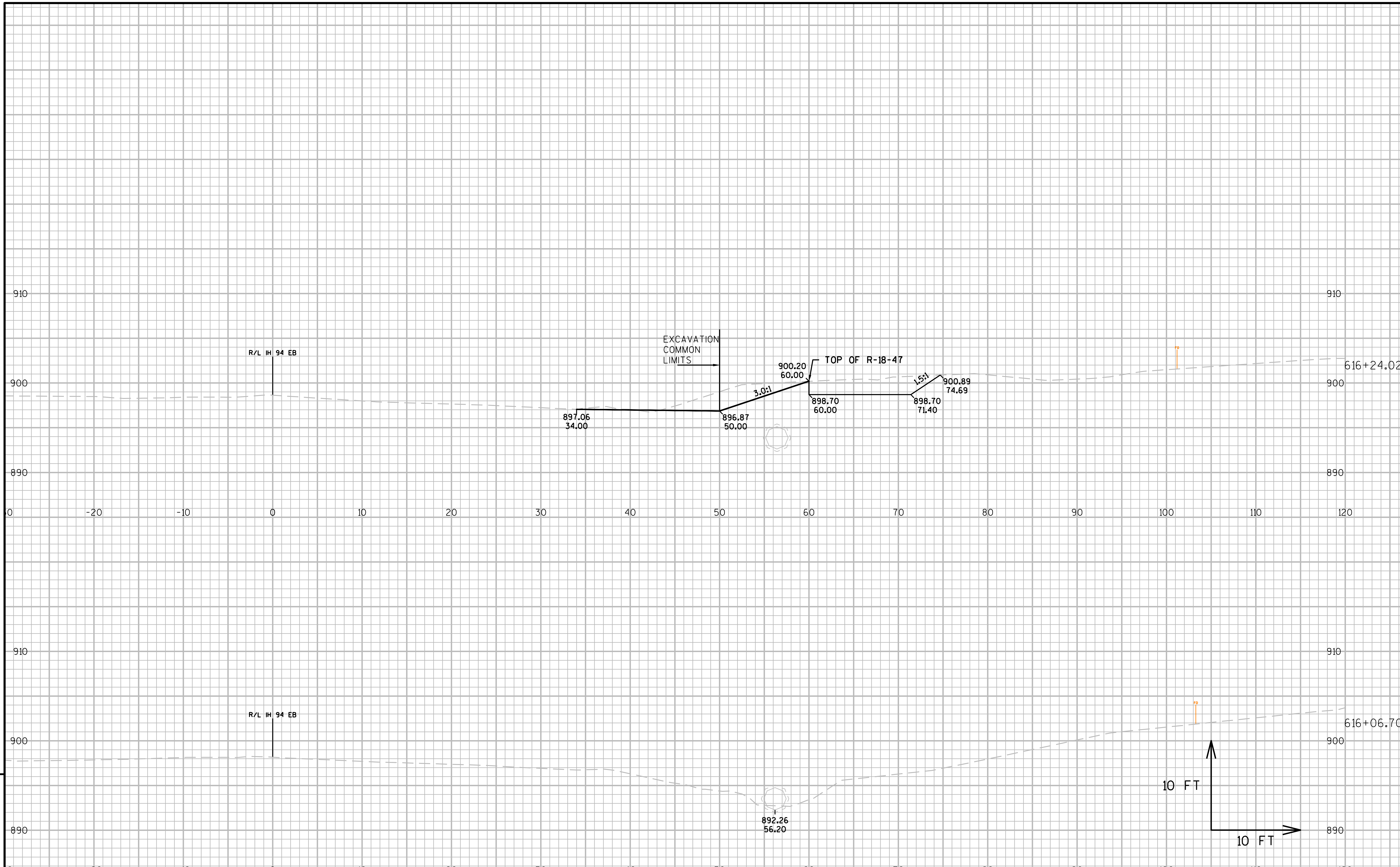
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 MEDIAN AT CTH I	SHEET	E



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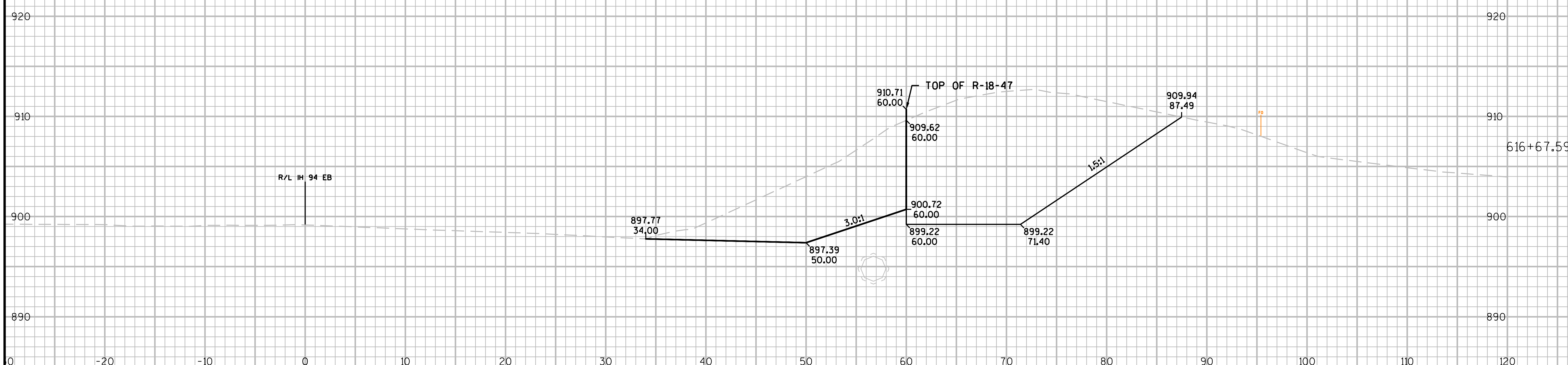
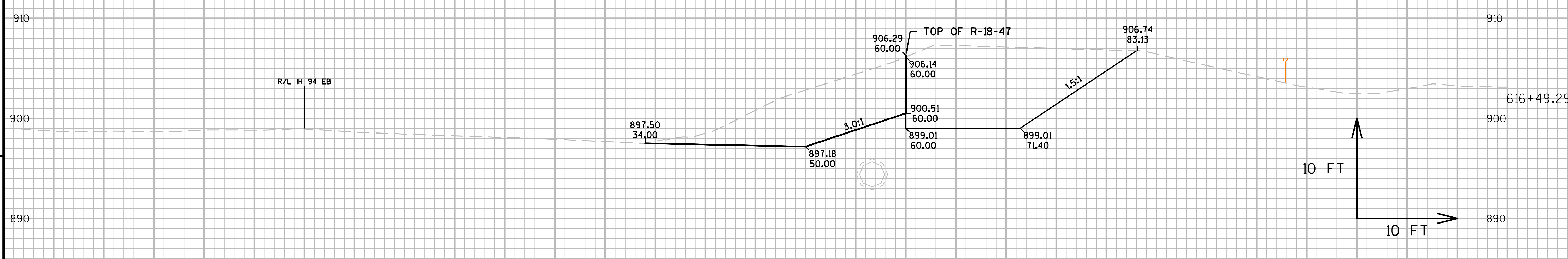
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 EB AT HOBBS RD.	SHEET	E





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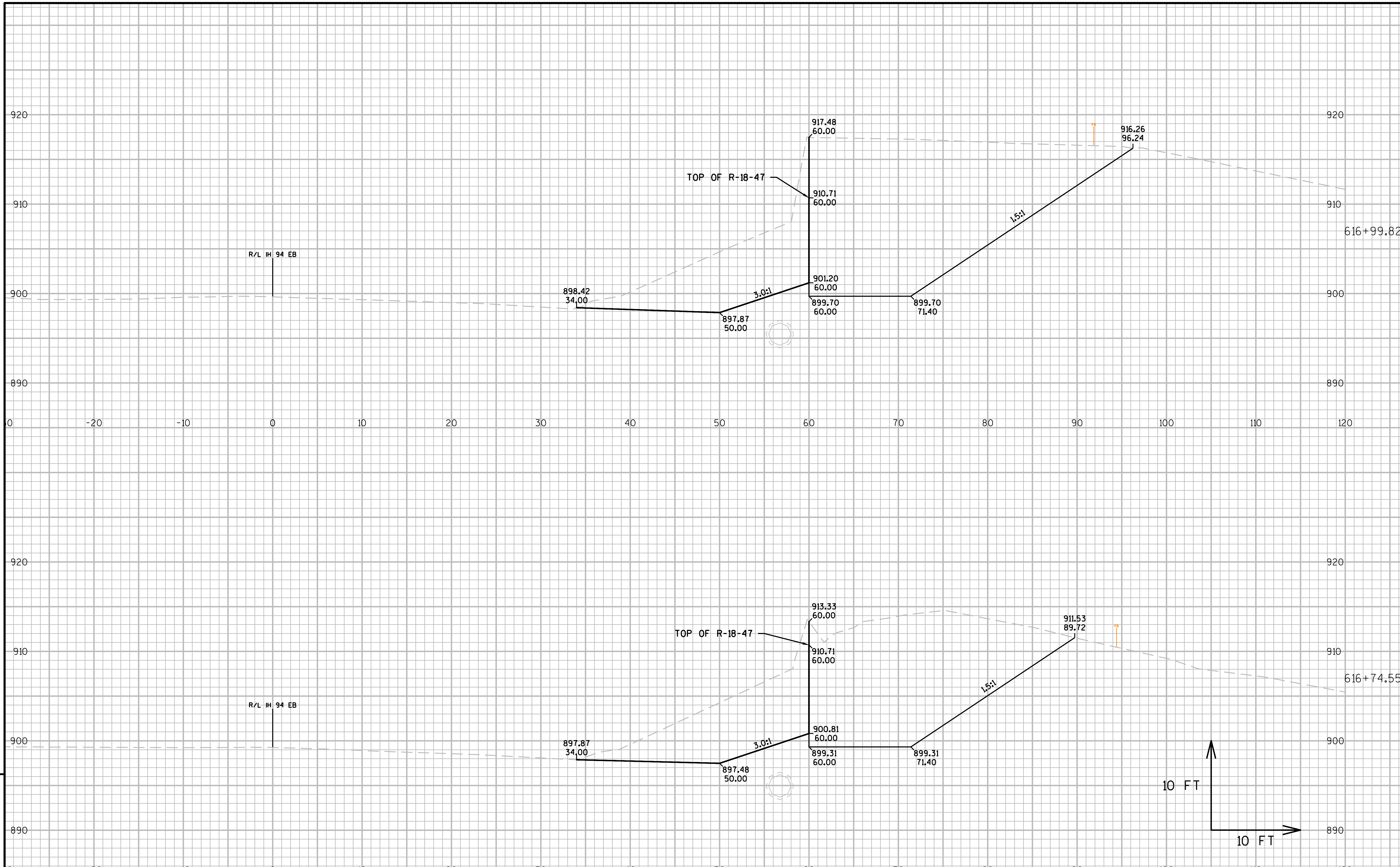
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 EB AT HOBBS RD.	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-47_XS 1078.DWG
LAYOUT NAME - R-18-47 - (3)
PLOT DATE : 1/9/2017 3:22 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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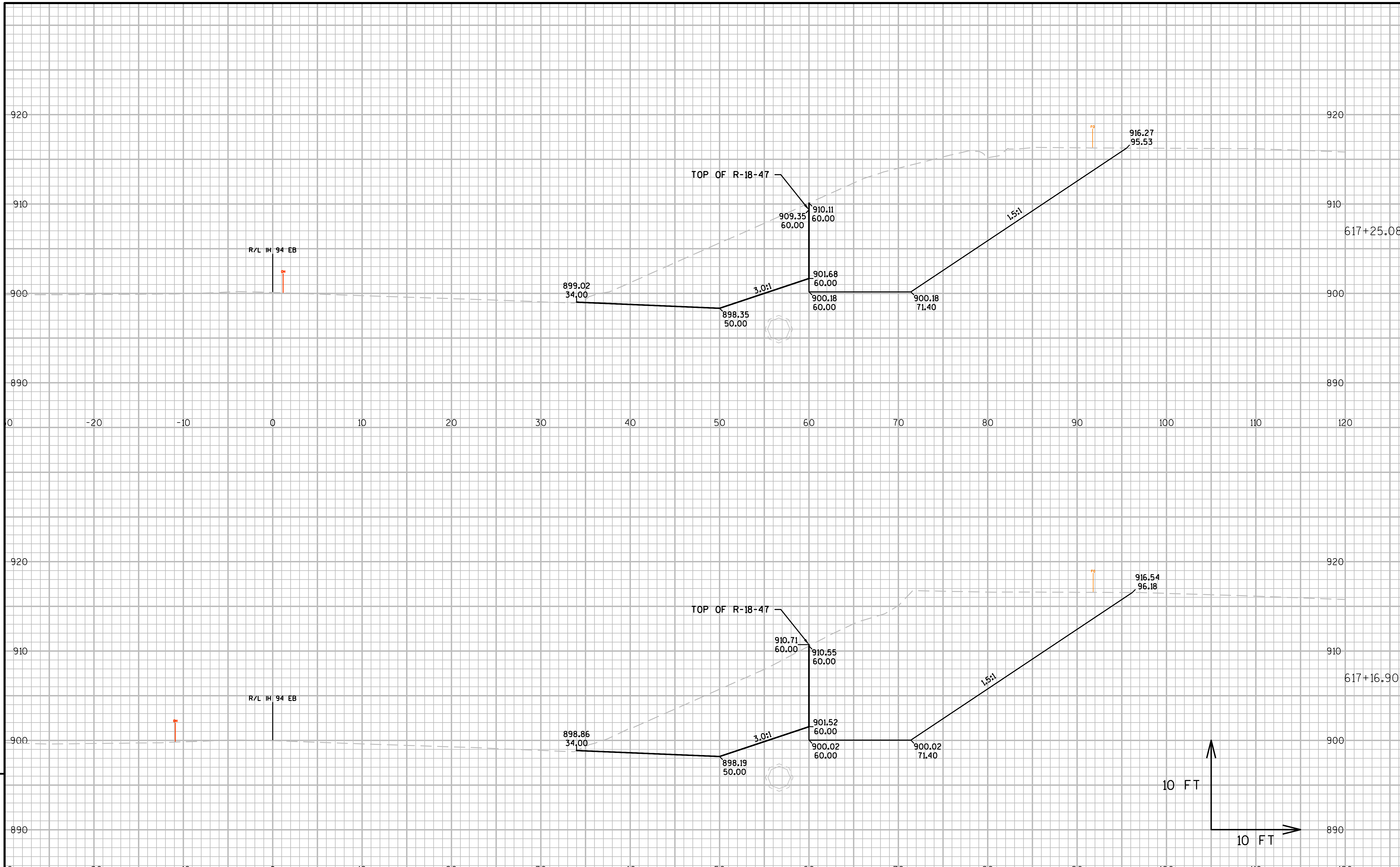
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:IH 94 EB AT HOBBS RD.	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-47_XS 1078.DWG
LAYOUT NAME - R-18-47 - (4)
PLOT DATE : 1/9/2017 3:22 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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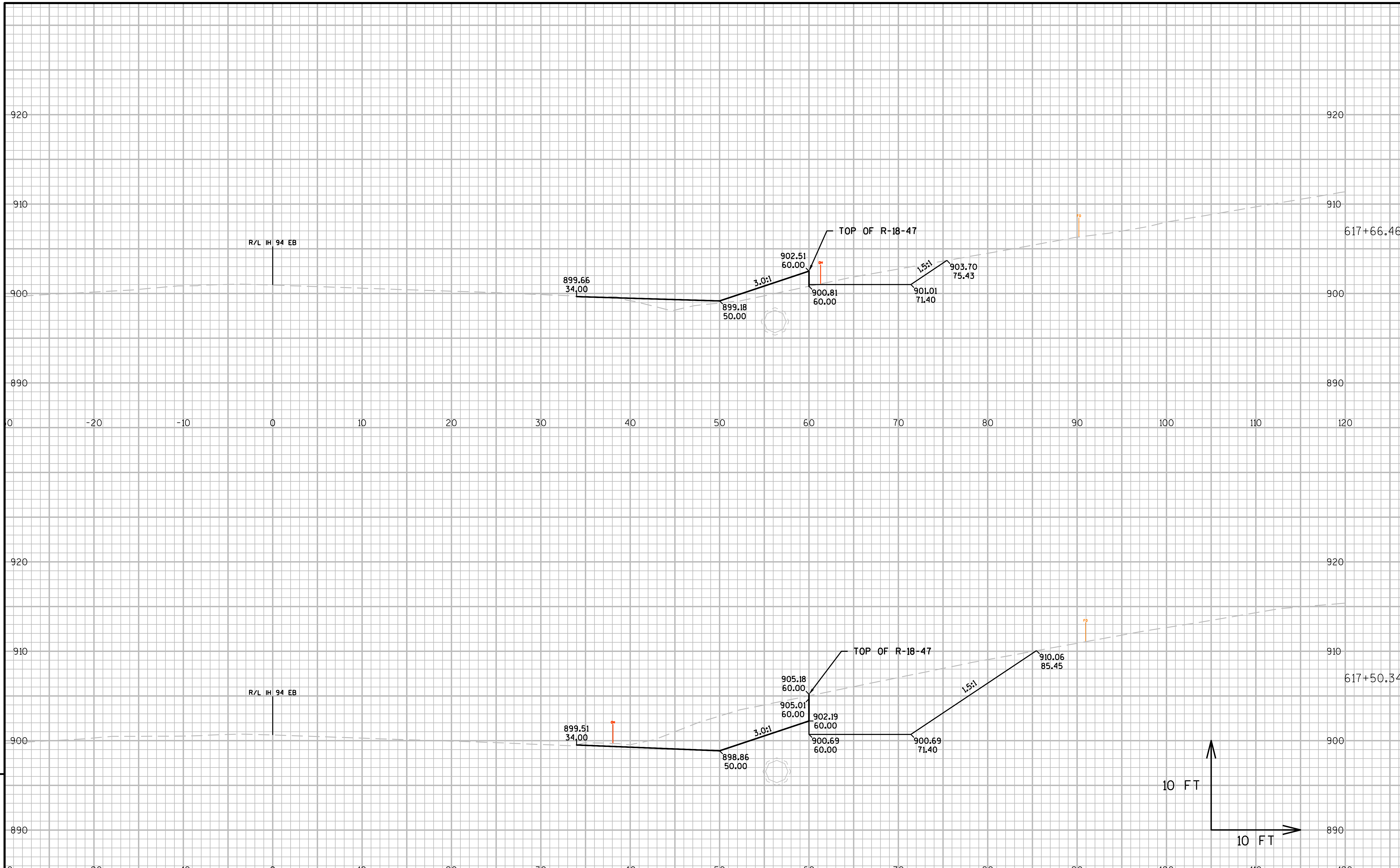
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:IH 94 EB AT HOBBS RD.	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-47_XS 1078.DWG
LAYOUT NAME - R-18-47 - (5)
PLOT DATE : 1/9/2017 3:22 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



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PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 EB AT HOBBS RD.	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-47_XS 1078.DWG
LAYOUT NAME - R-18-47 - (6)
PLOT DATE : 1/9/2017 3:23 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49

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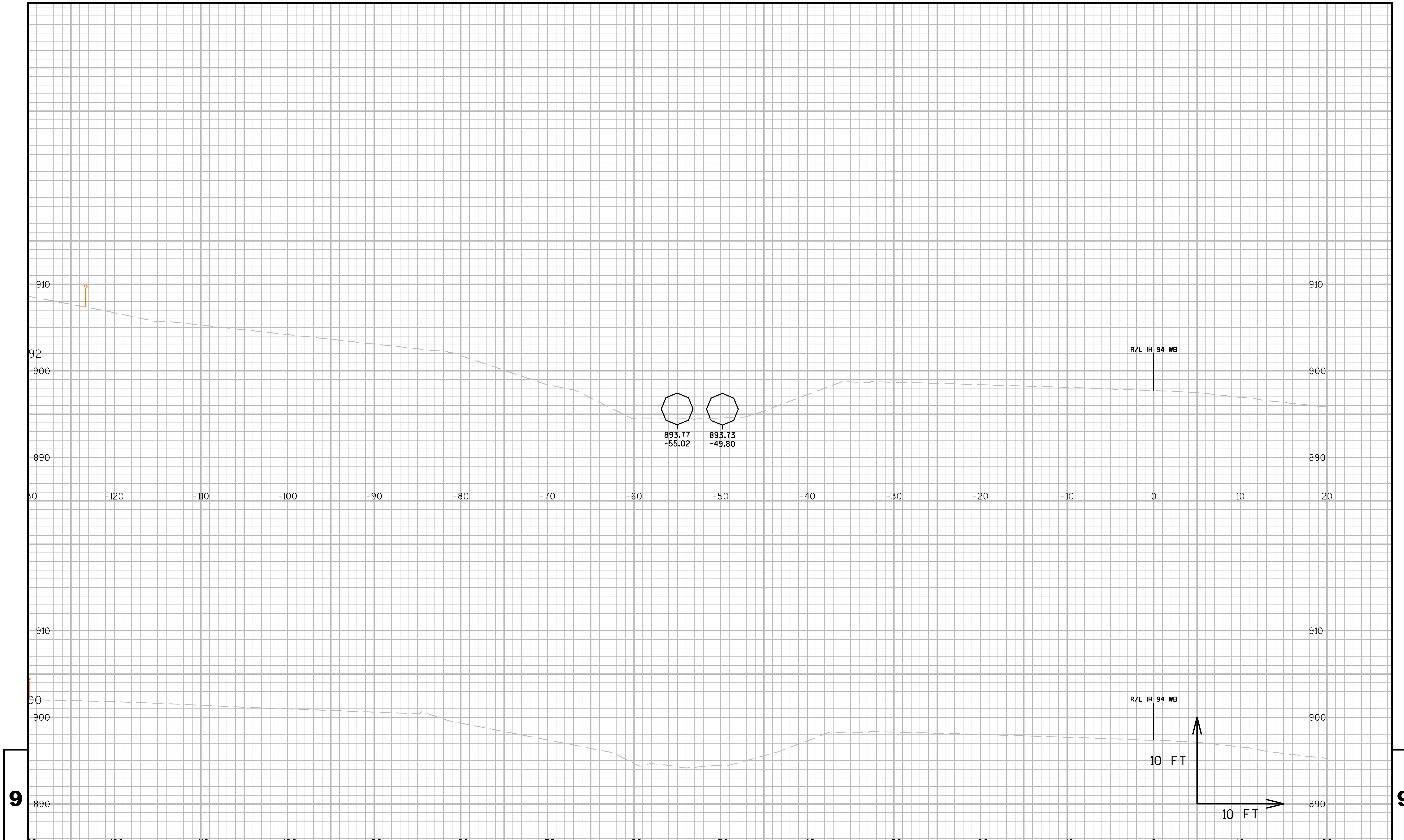
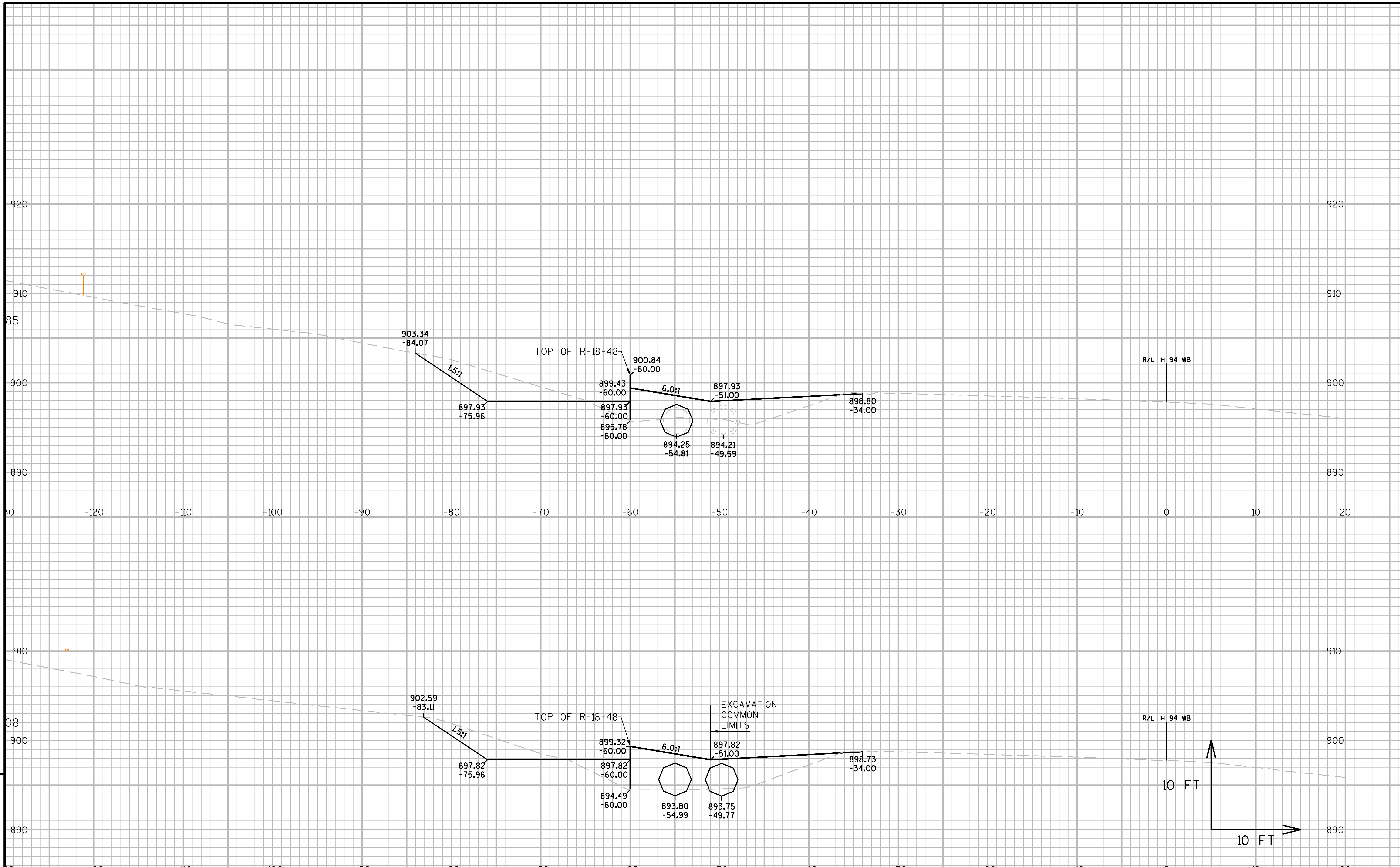
9

PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 EB AT HOBBS RD.	SHEET	E



PROJECT NO:1021-03-74 | HWY:IH 94 | COUNTY:EAU CLAIRE | CROSS SECTIONS: IH 94 WB AT HOBBS RD | SHEET | E

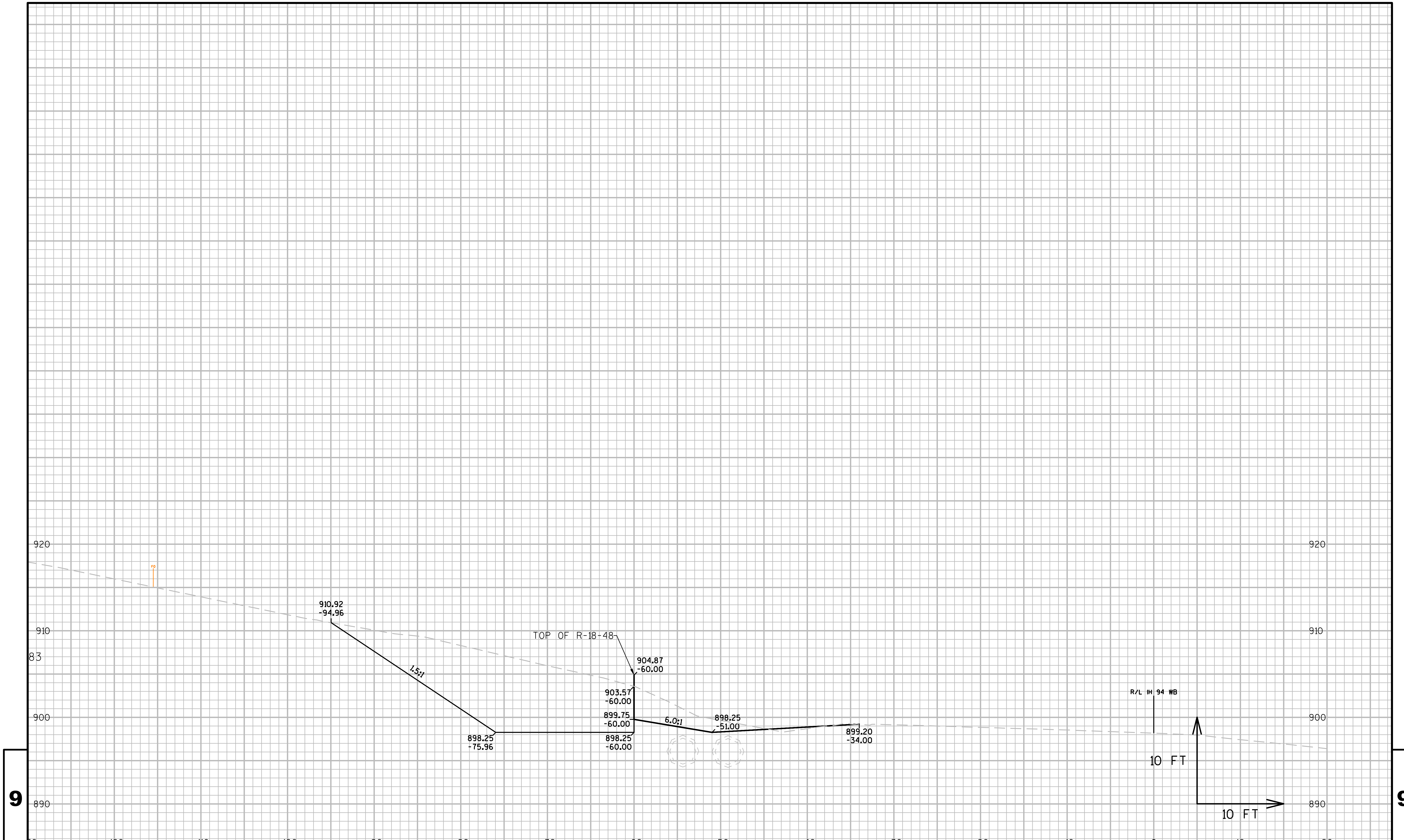
FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-48_XS_1078.DWG
LAYOUT NAME - R-18-48 - (2)
PLOT DATE : 1/9/2017 3:28 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT HOBBS RD	SHEET	E

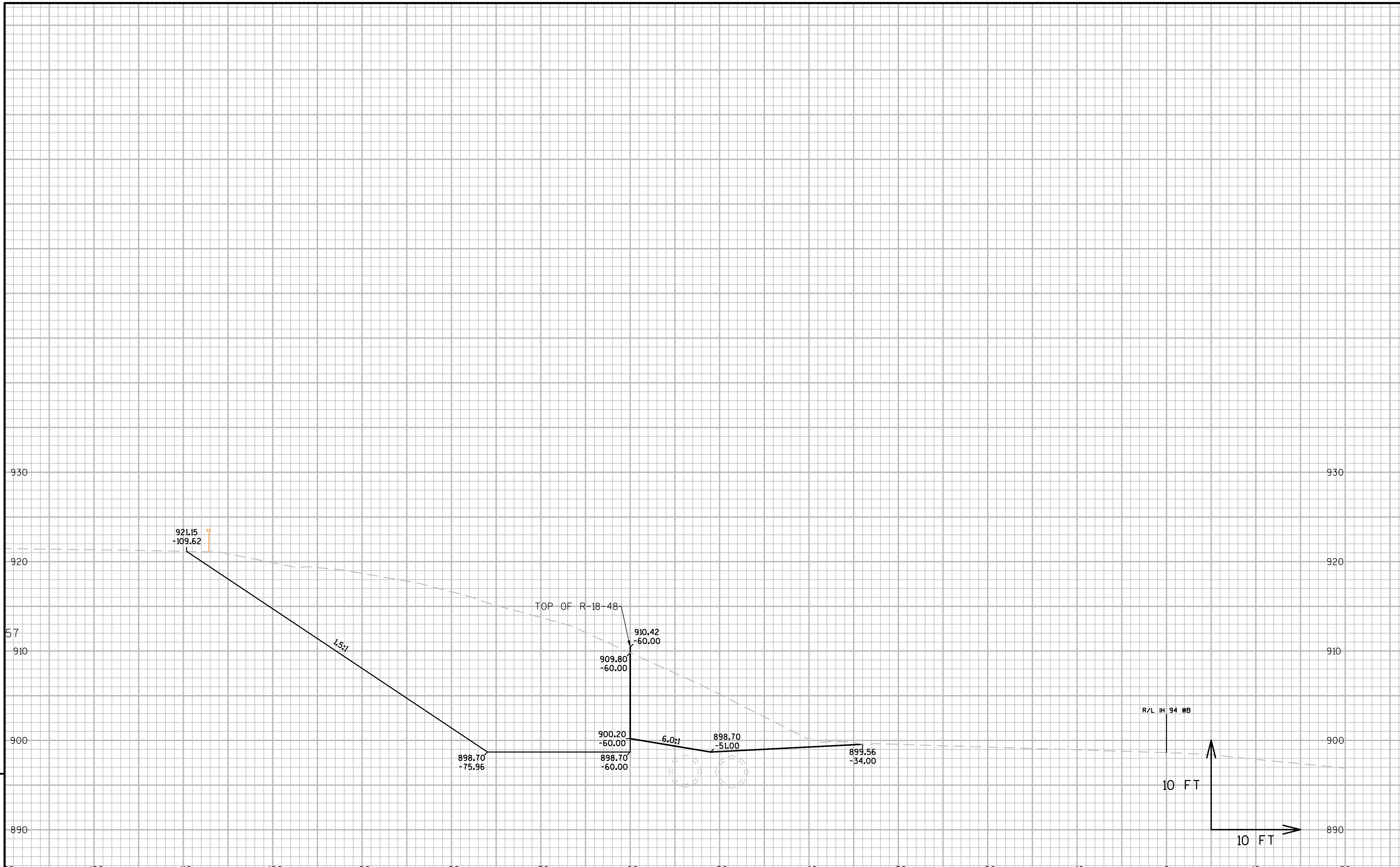
FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-48_XS_1078.DWG
LAYOUT NAME - R-18-48 - (3)
PLOT DATE : 1/9/2017 3:29 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT HOBBS RD	SHEET	E

9



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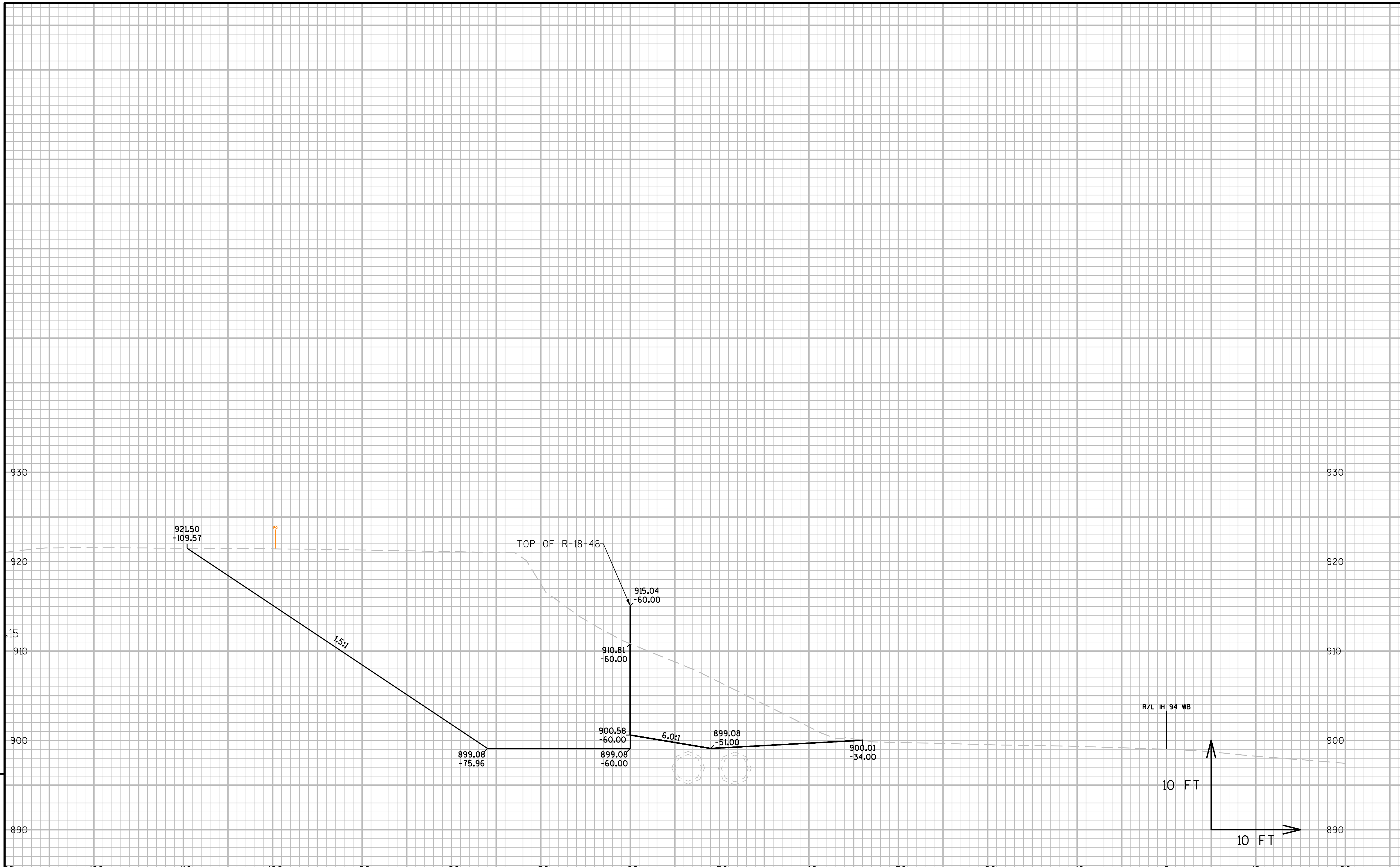
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT HOBBS RD	SHEET	E



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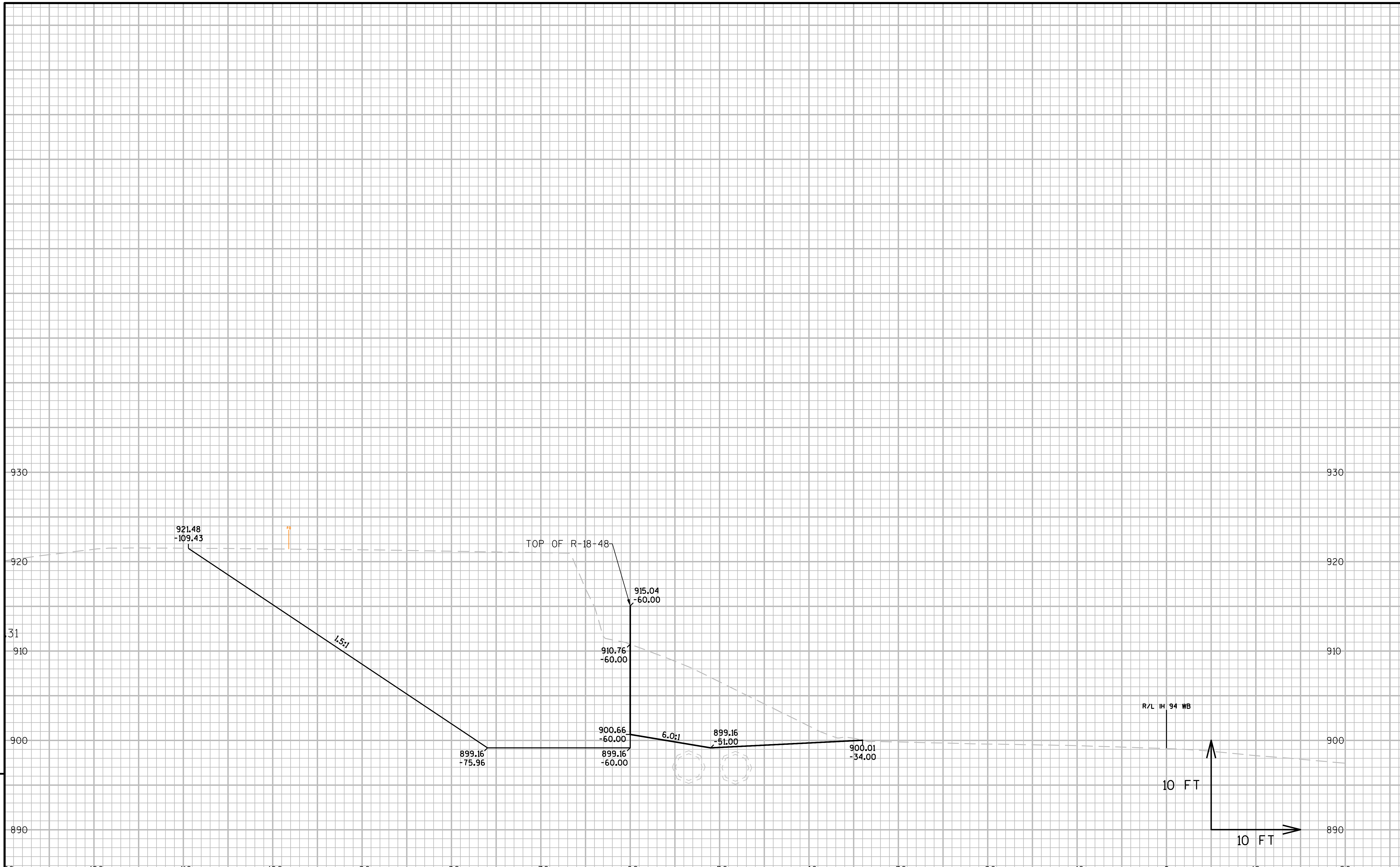
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-48_XS_1078.DWG
LAYOUT NAME - R-18-48 - (6)

PLOT DATE : 1/9/2017 3:29 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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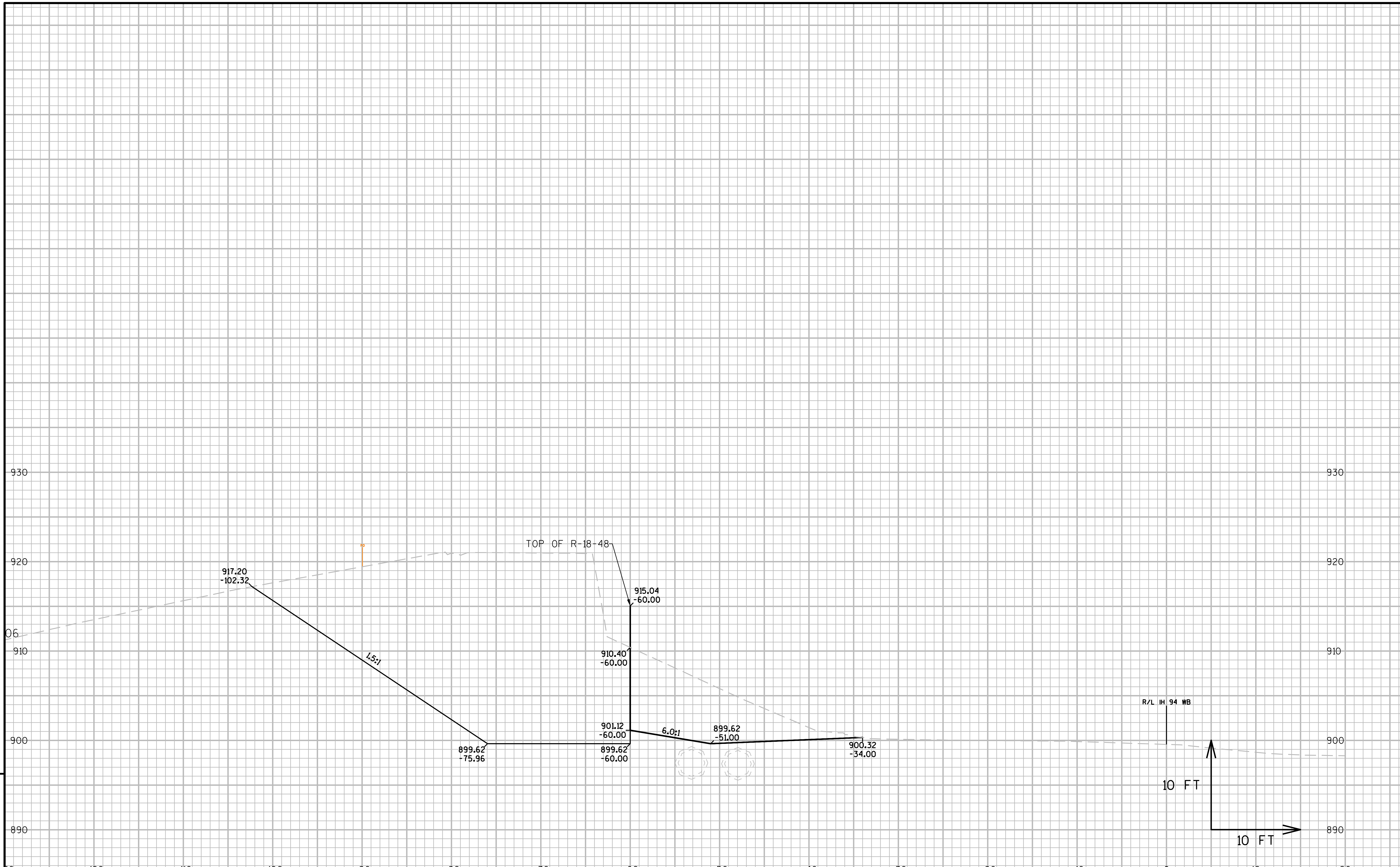
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-48_XS_1078.DWG
LAYOUT NAME - R-18-48 - (7)

PLOT DATE : 1/9/2017 3:30 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT



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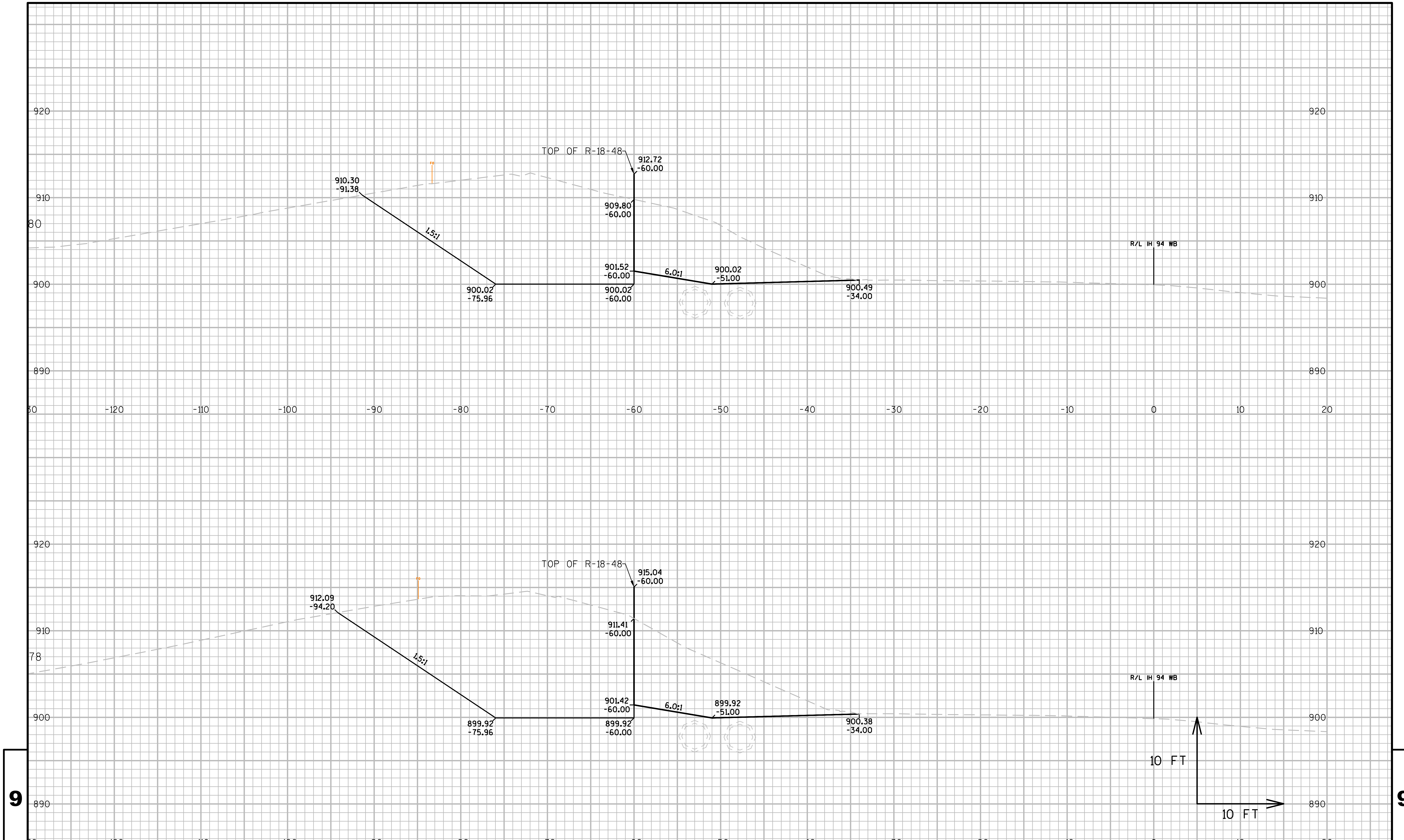
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT HOBBS RD	SHEET	E

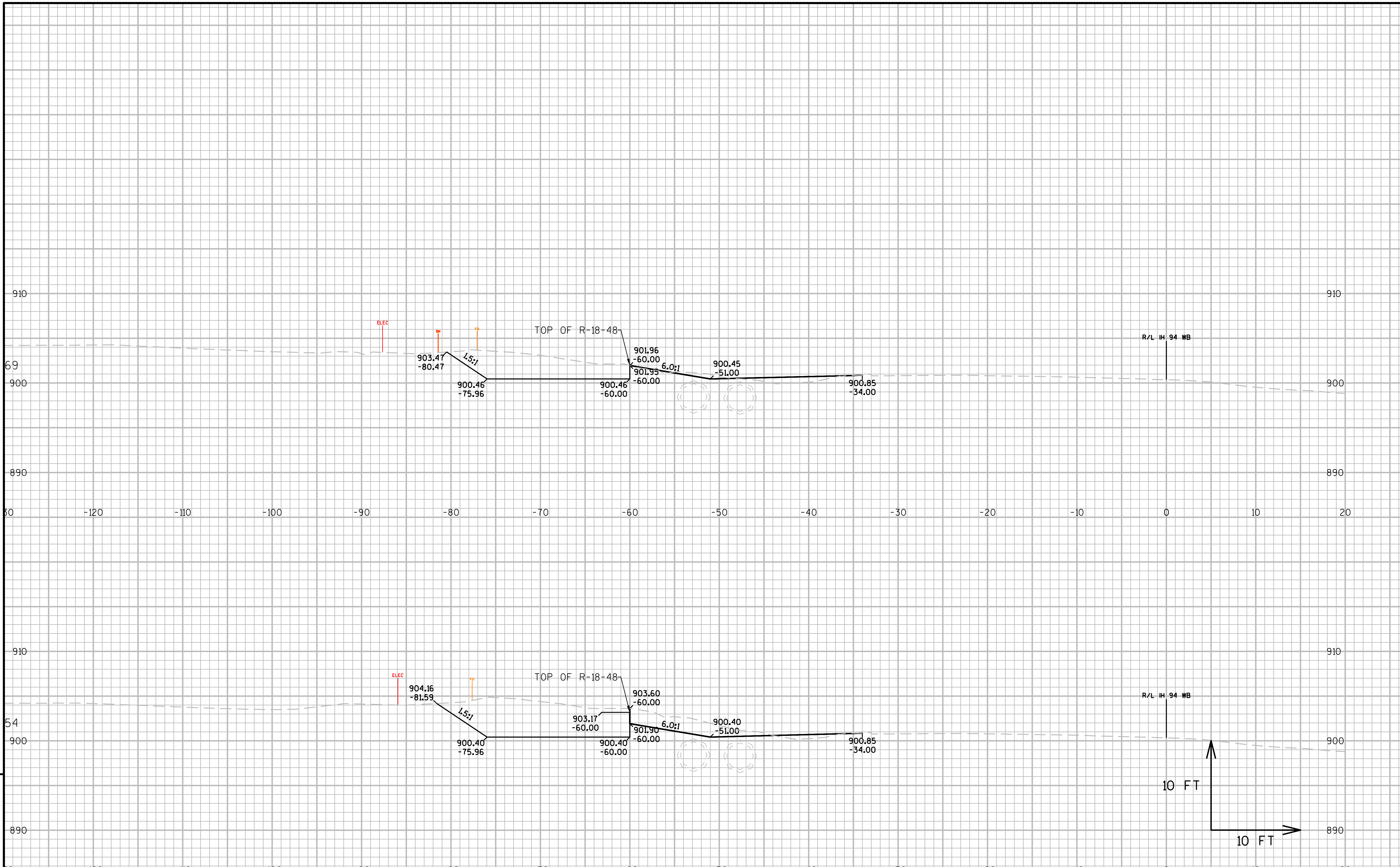
FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-48_XS_1078.DWG
LAYOUT NAME - R-18-48 - (8)

PLOT DATE : 1/9/2017 3:30 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT

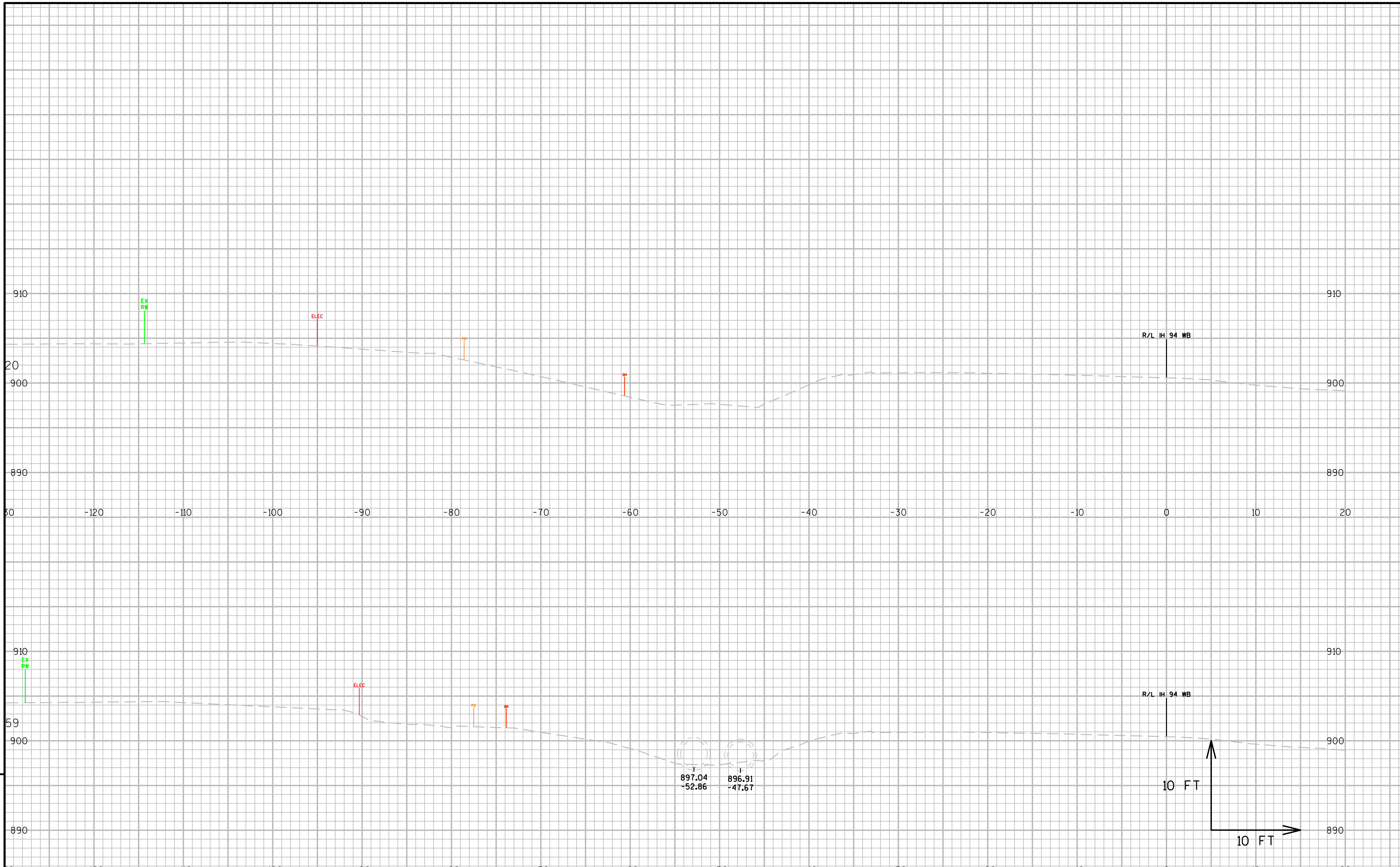
WISDOT/CADDS SHEET 49



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT HOBBS RD	SHEET	E



9	PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT HOBBS RD	SHEET	E	9



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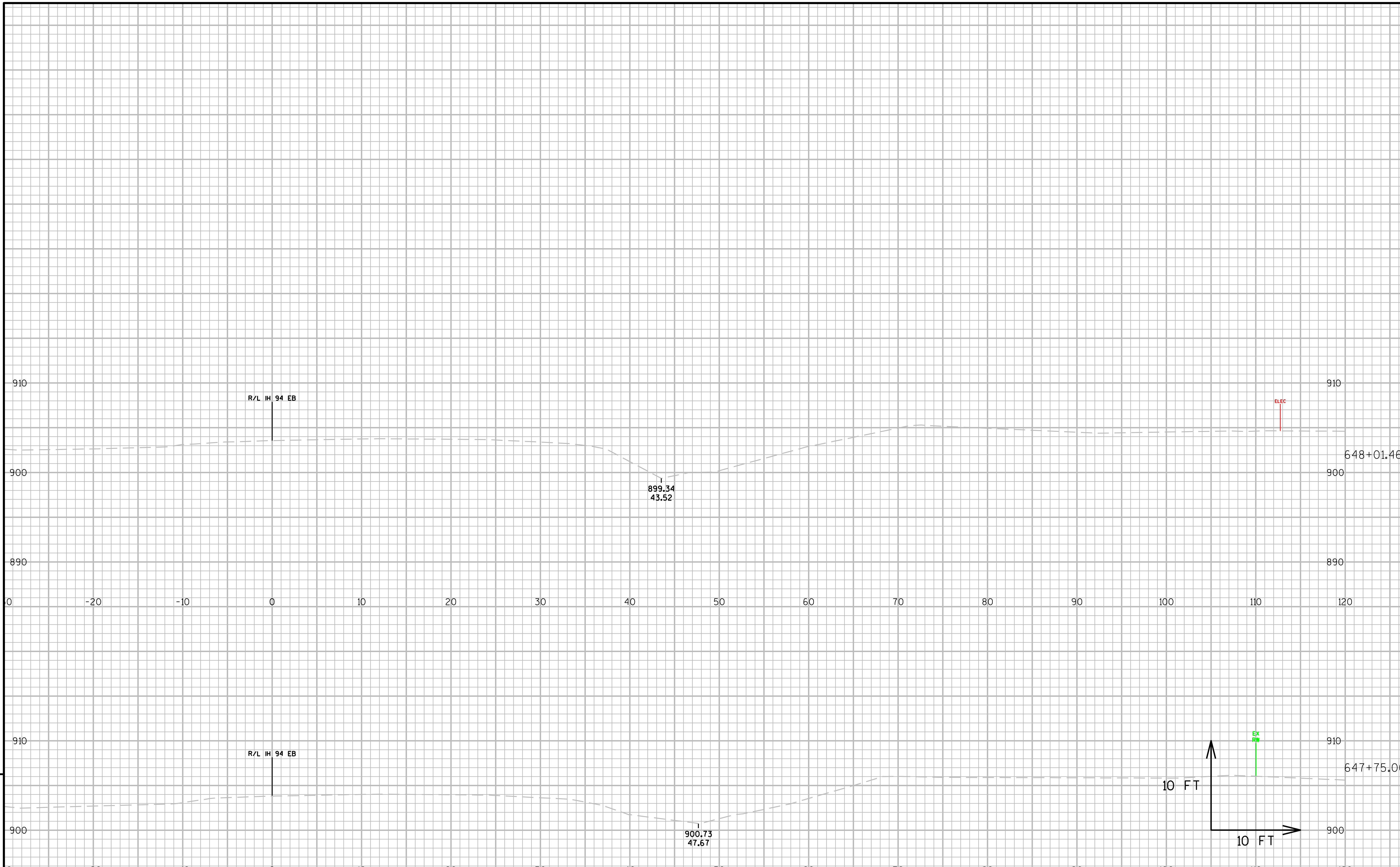
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT HOBBS RD	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-48_XS_1078.DWG
LAYOUT NAME - R-18-48 - (11)
PLOT DATE : 1/9/2017 3:31 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



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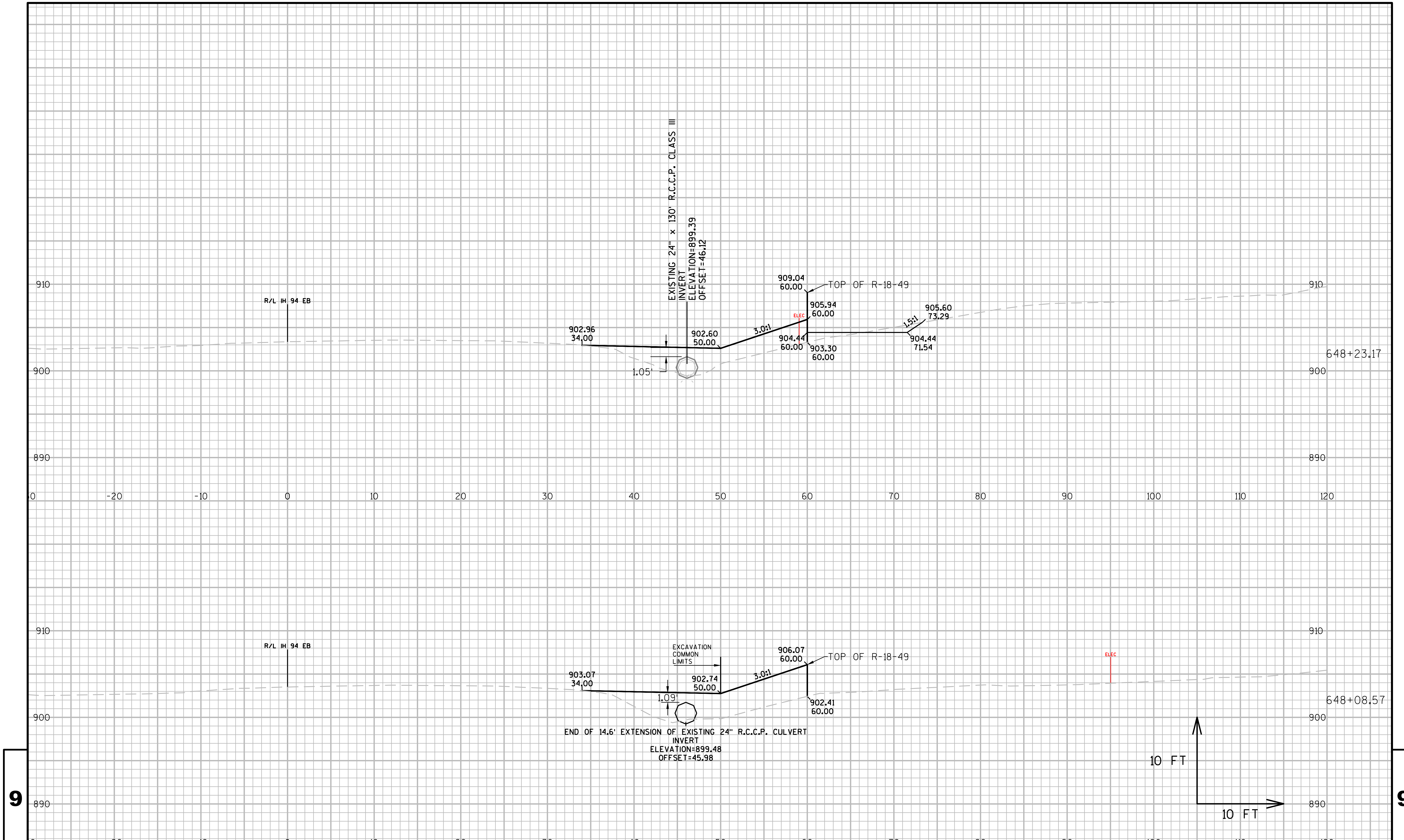
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 EB AT CTH I	SHEET	E

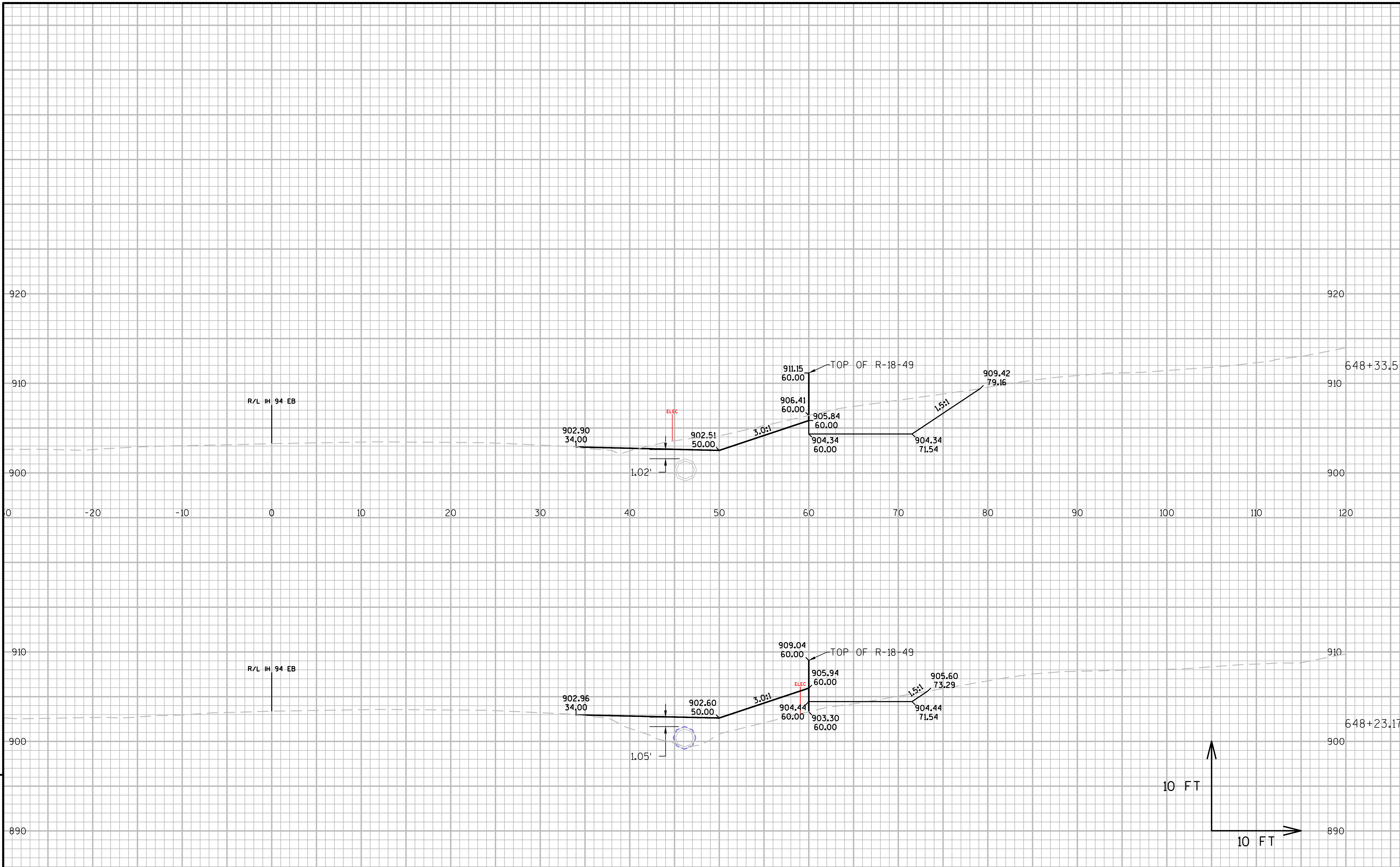
FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-49_XS 1078.DWG
LAYOUT NAME - R-18-49 - (2)

PLOT DATE : 1/9/2017 3:35 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 EB AT CTH I	SHEET	E



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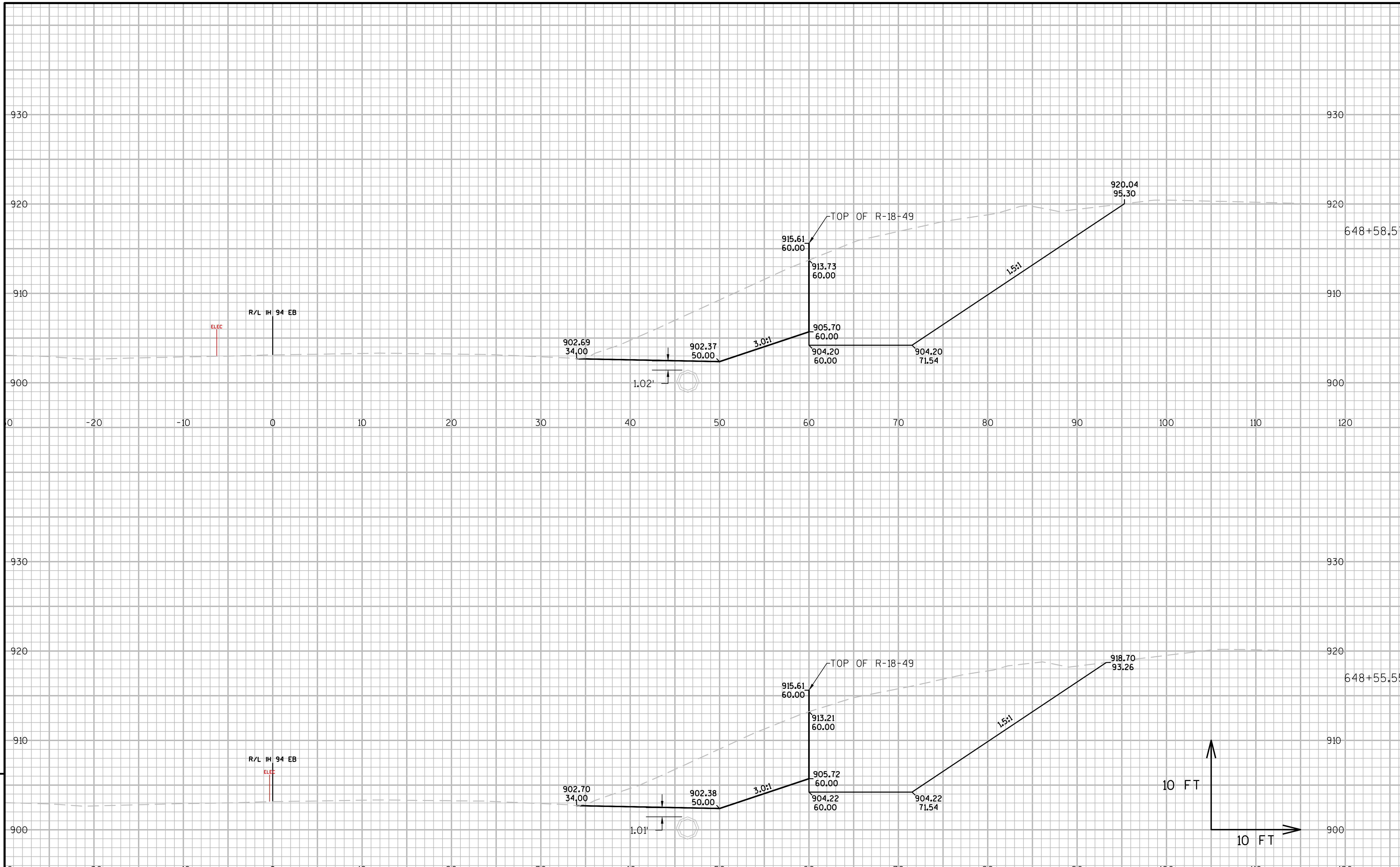
PROJECT NO:1021-03-74 | HWY:IH 94 | COUNTY:EAU CLAIRE | CROSS SECTIONS: IH 94 EB AT CTH I | SHEET | E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-49_XS 1078.DWG
LAYOUT NAME - R-18-49 - (4)
PLOT DATE : 1/9/2017 3:36 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT



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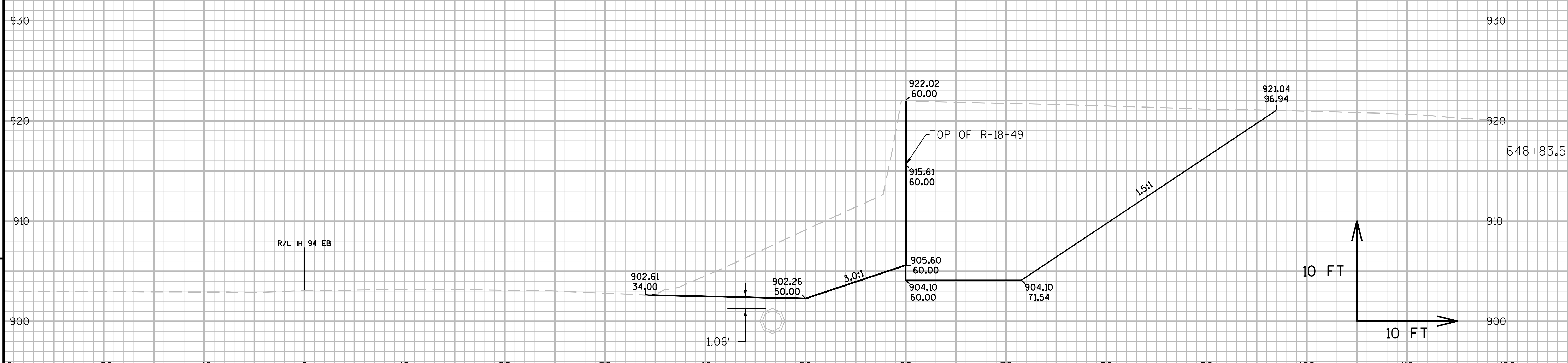
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 EB AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-49_XS 1078.DWG
LAYOUT NAME - R-18-49 - (5)
PLOT DATE : 1/9/2017 3:36 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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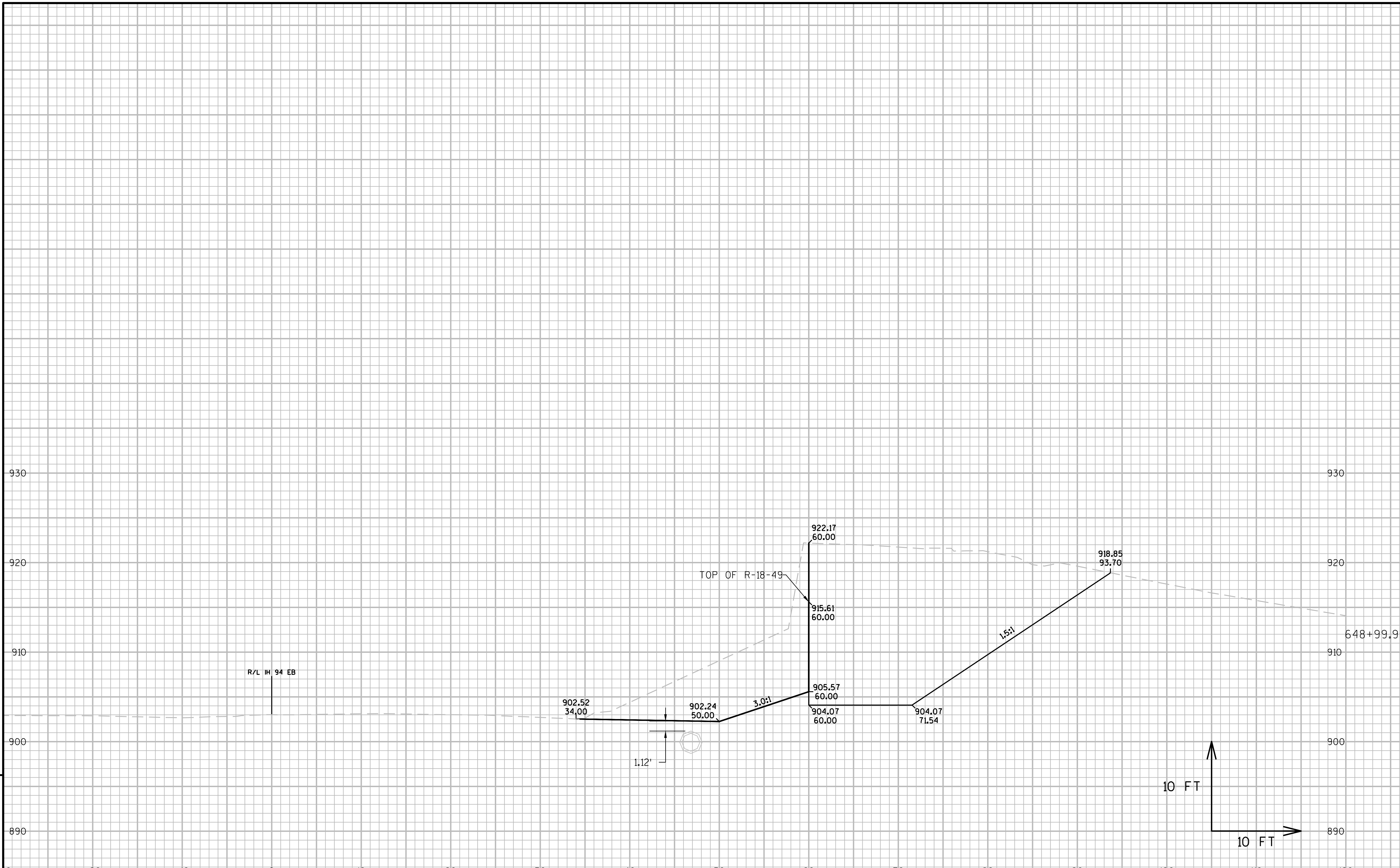
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 EB AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-49_XS 1078.DWG
LAYOUT NAME - R-18-49 - (6)
PLOT DATE : 1/9/2017 3:36 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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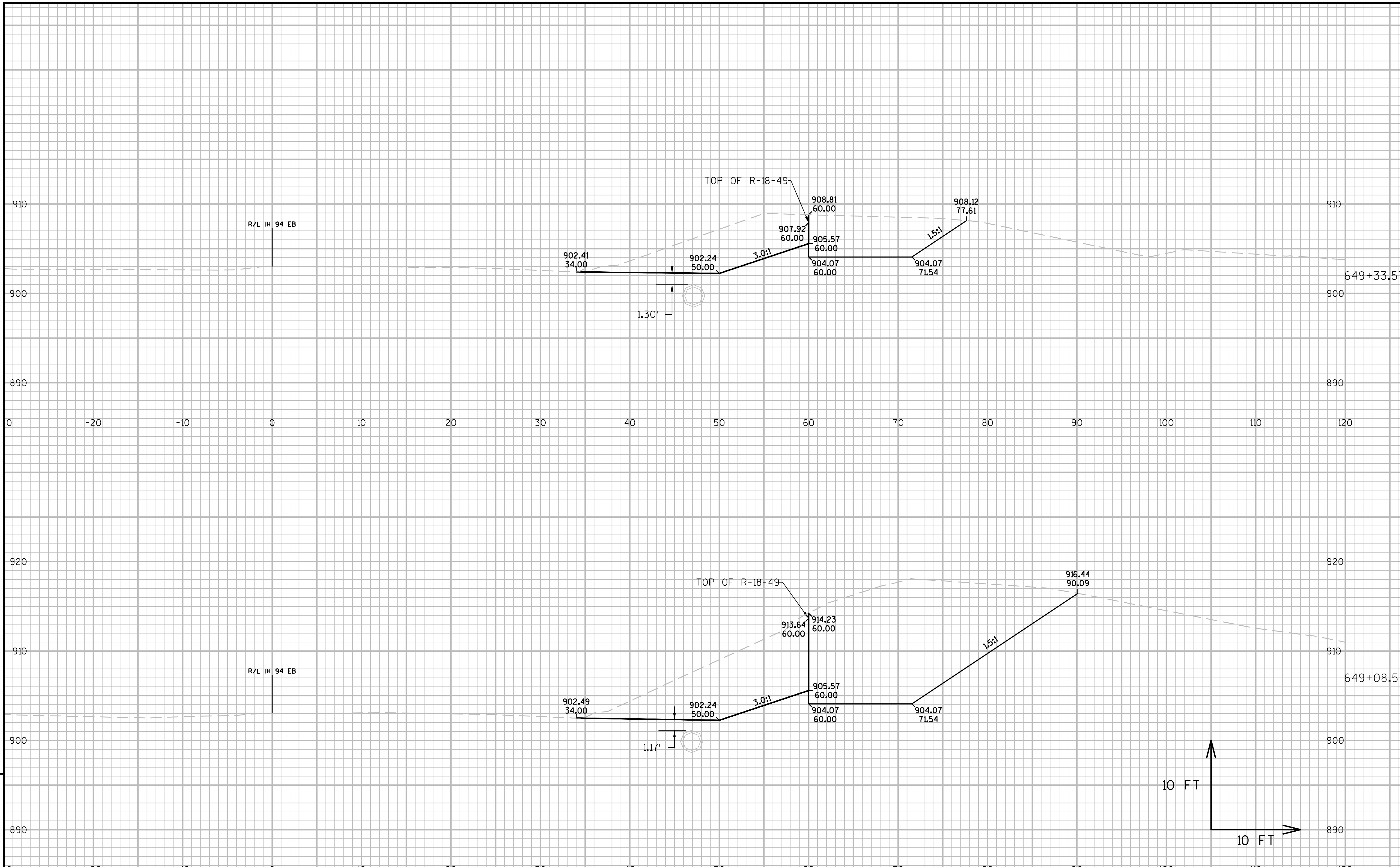
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 EB AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-49_XS 1078.DWG
LAYOUT NAME - R-18-49 - (7)

PLOT DATE : 1/9/2017 3:37 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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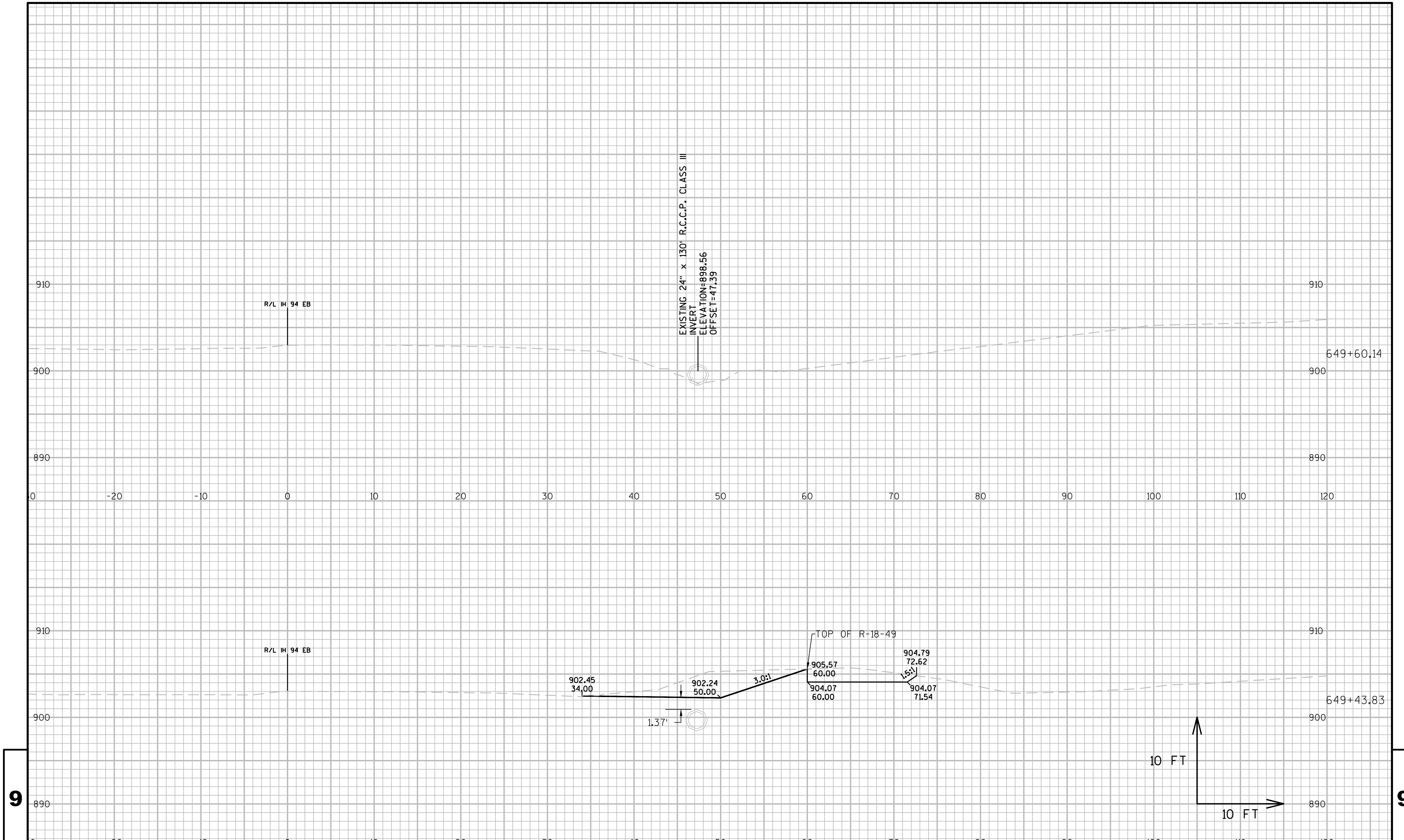
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 EB AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-49_XS 1078.DWG
LAYOUT NAME - R-18-49 - (8)

PLOT DATE : 1/9/2017 3:37 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



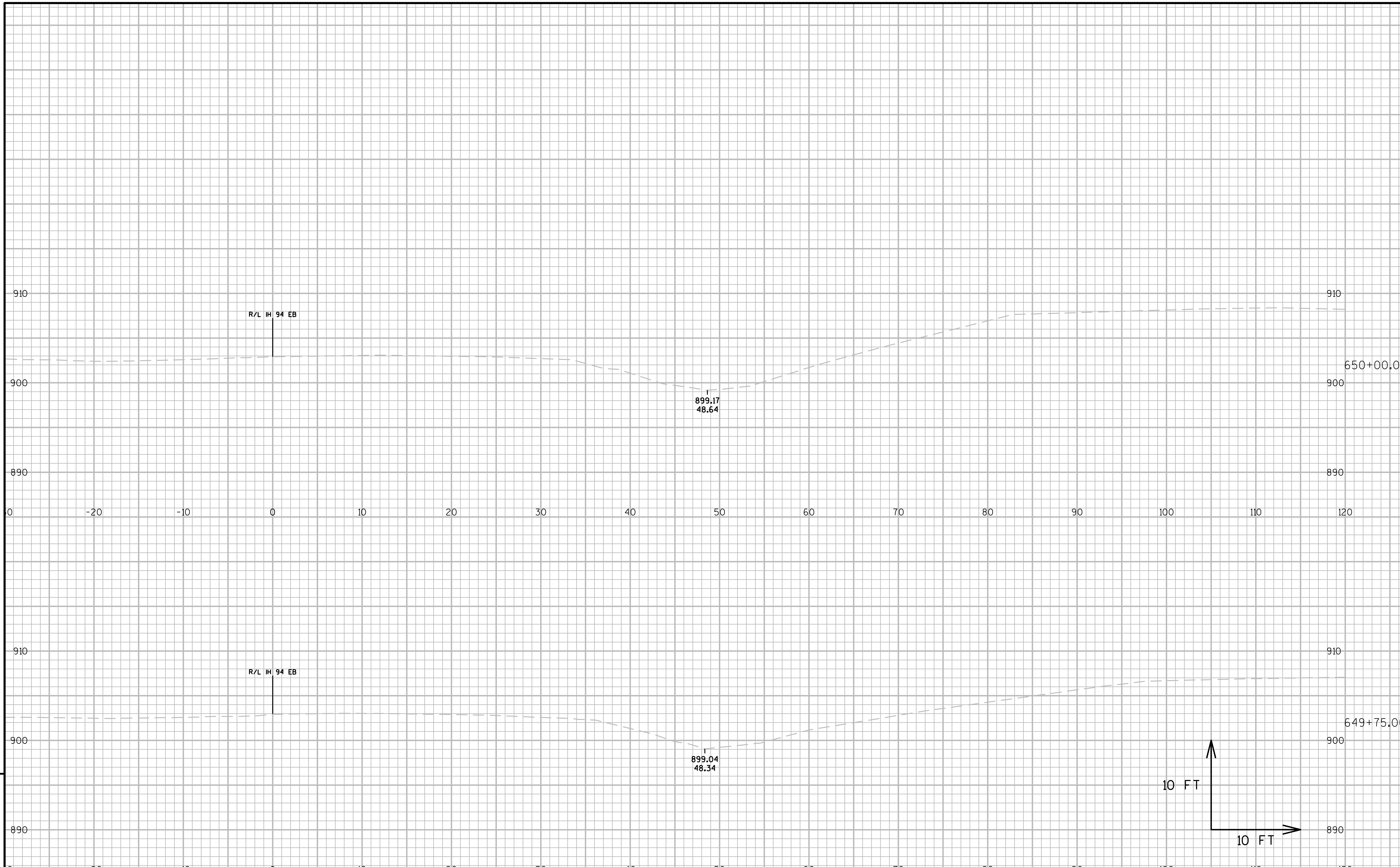
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 EB AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-49_XS 1078.DWG
LAYOUT NAME - R-18-49 - (9)

PLOT DATE : 1/9/2017 3:37 PM   PLOT BY : BUDDEN, LUCAS J   PLOT NAME :   PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

9



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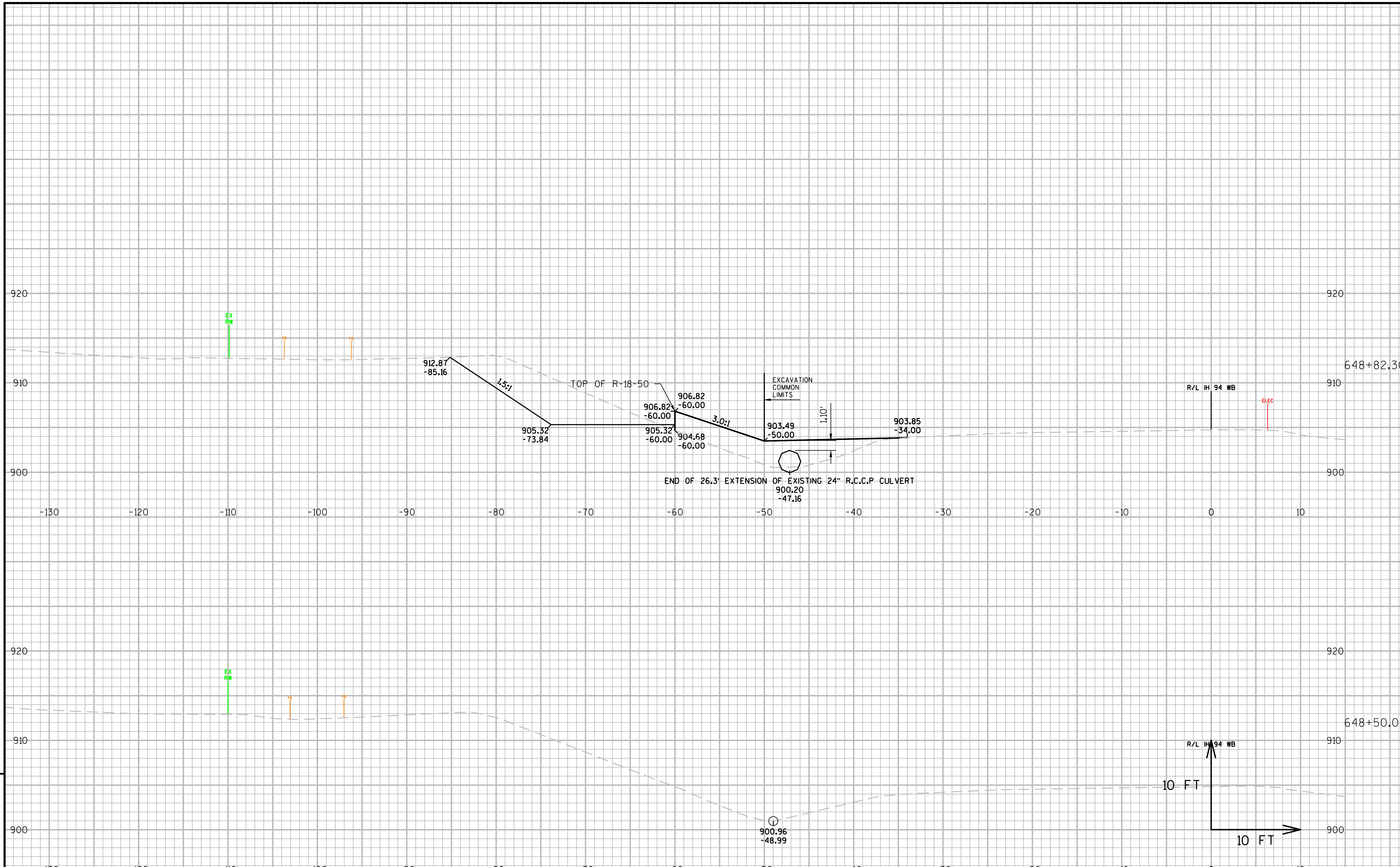
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:IH 94 EB AT CTH I	SHEET	E



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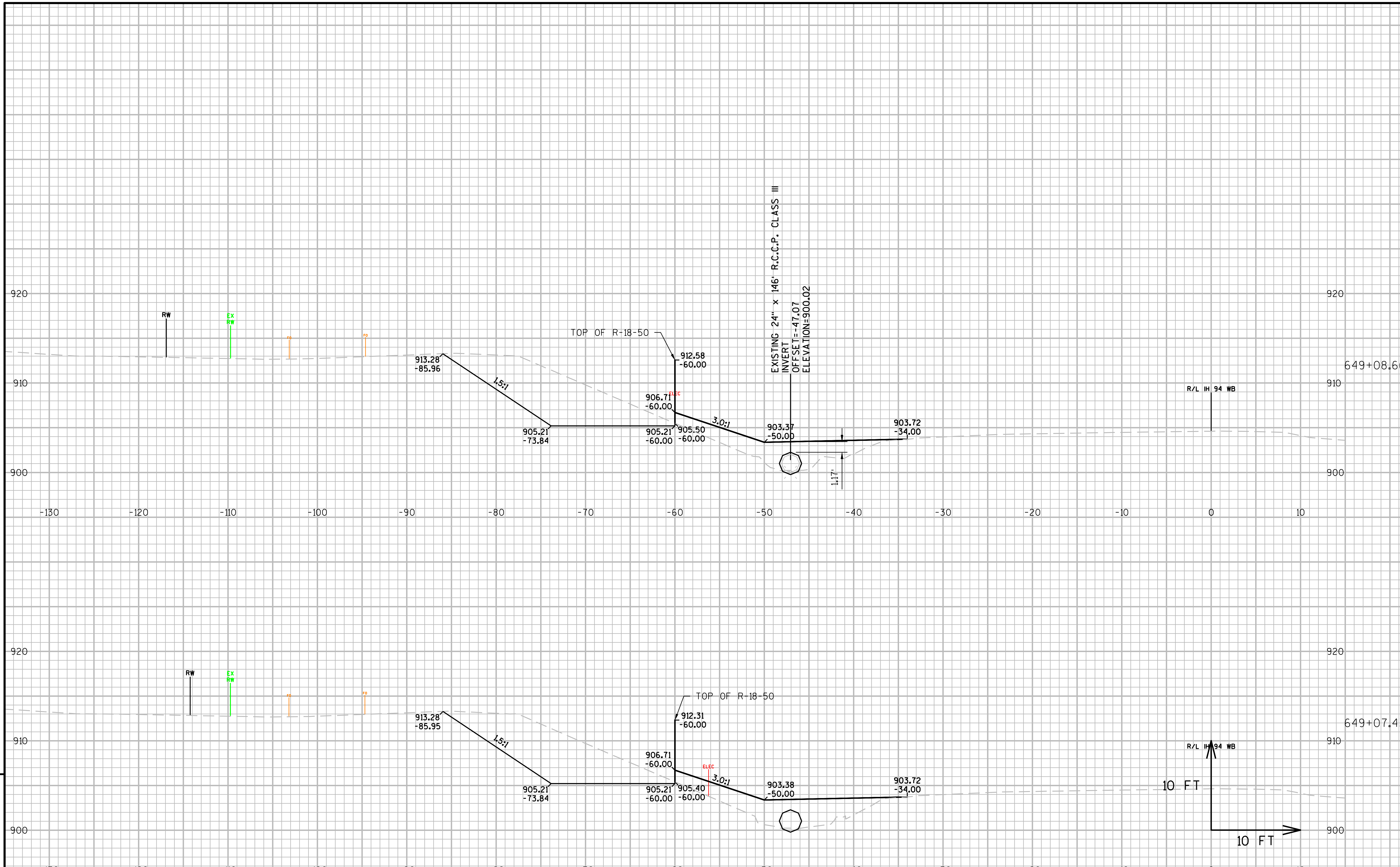
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-50_XS_1078.DWG
LAYOUT NAME - R-18-50 - (2)

PLOT DATE : 1/9/2017 3:59 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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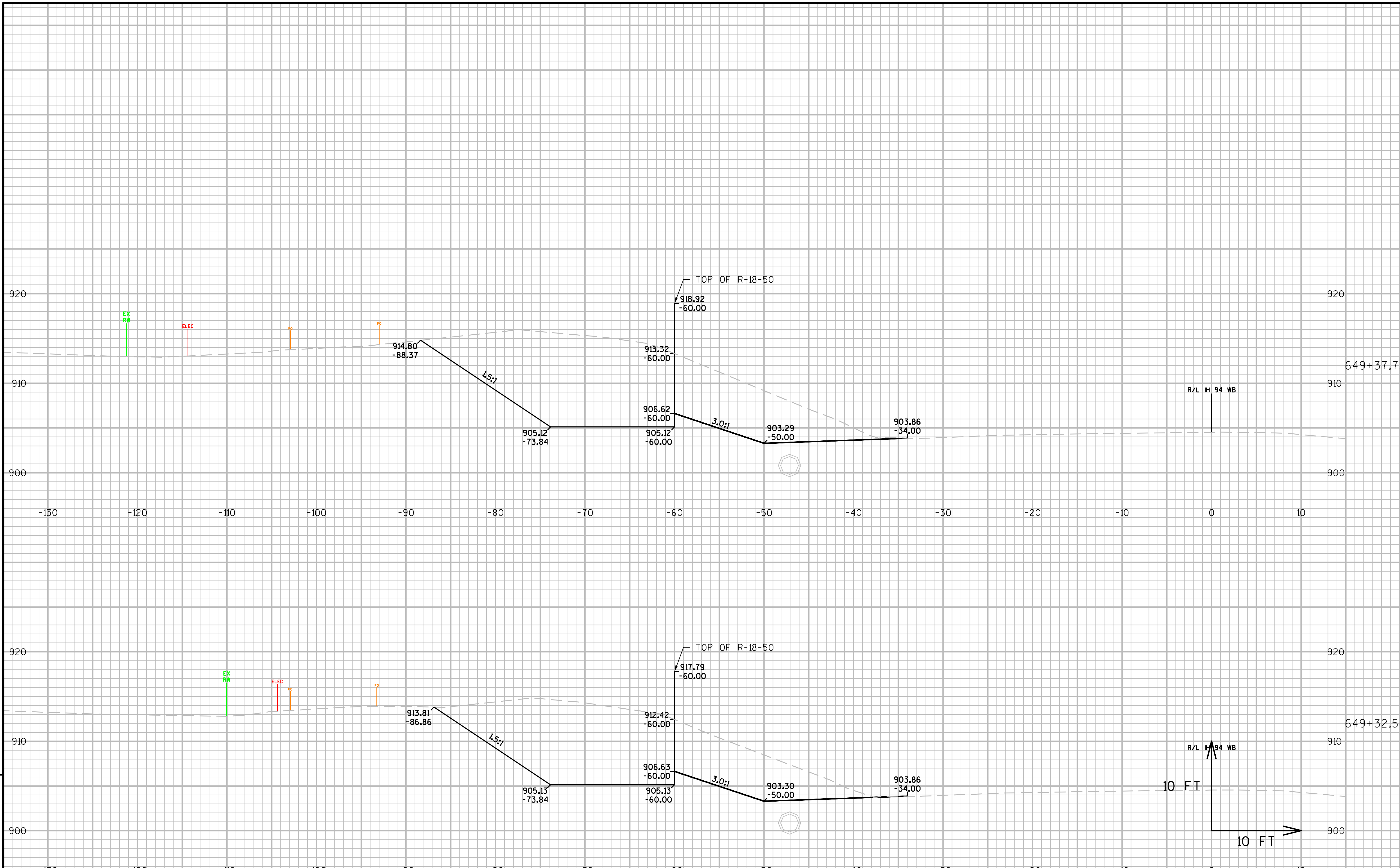
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-50_XS_1078.DWG
LAYOUT NAME - R-18-50 - (3)
PLOT DATE : 1/9/2017 3:59 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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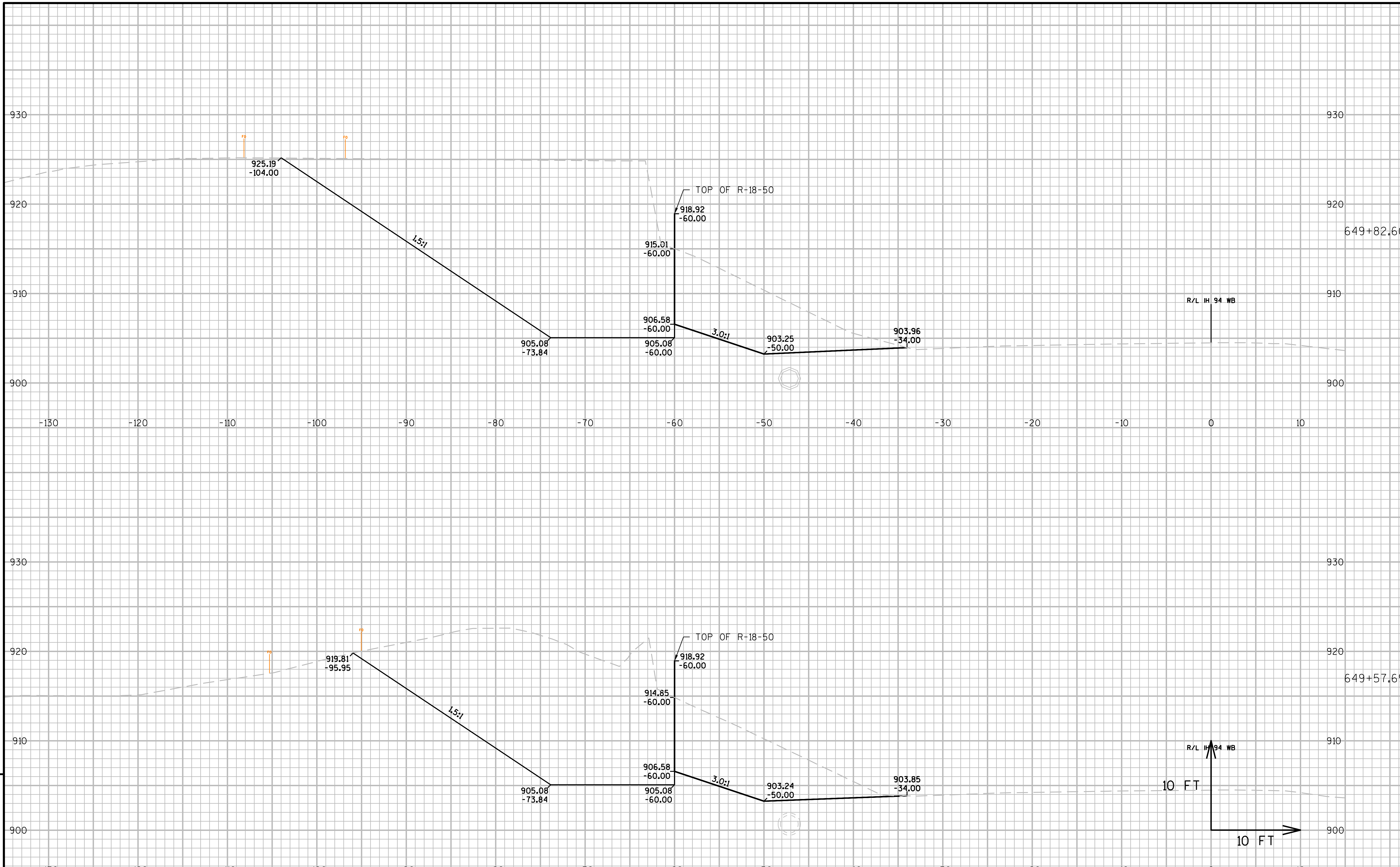
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-50_XS_1078.DWG
LAYOUT NAME - R-18-50 - (4)
PLOT DATE : 1/9/2017 4:00 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT



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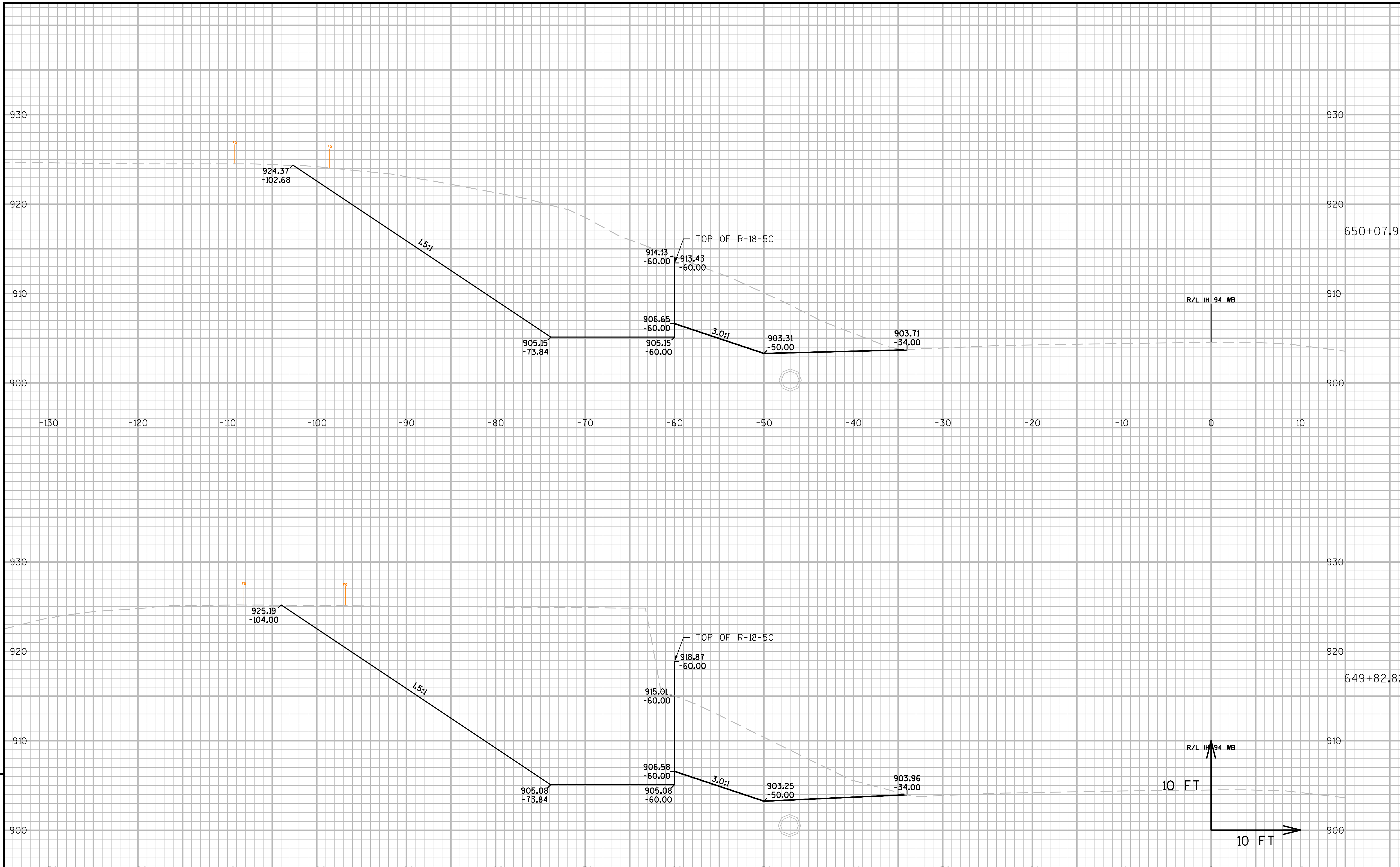
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:IH 94 WB AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-50_XS_1078.DWG
LAYOUT NAME - R-18-50 - (5)
PLOT DATE : 1/9/2017 4:00 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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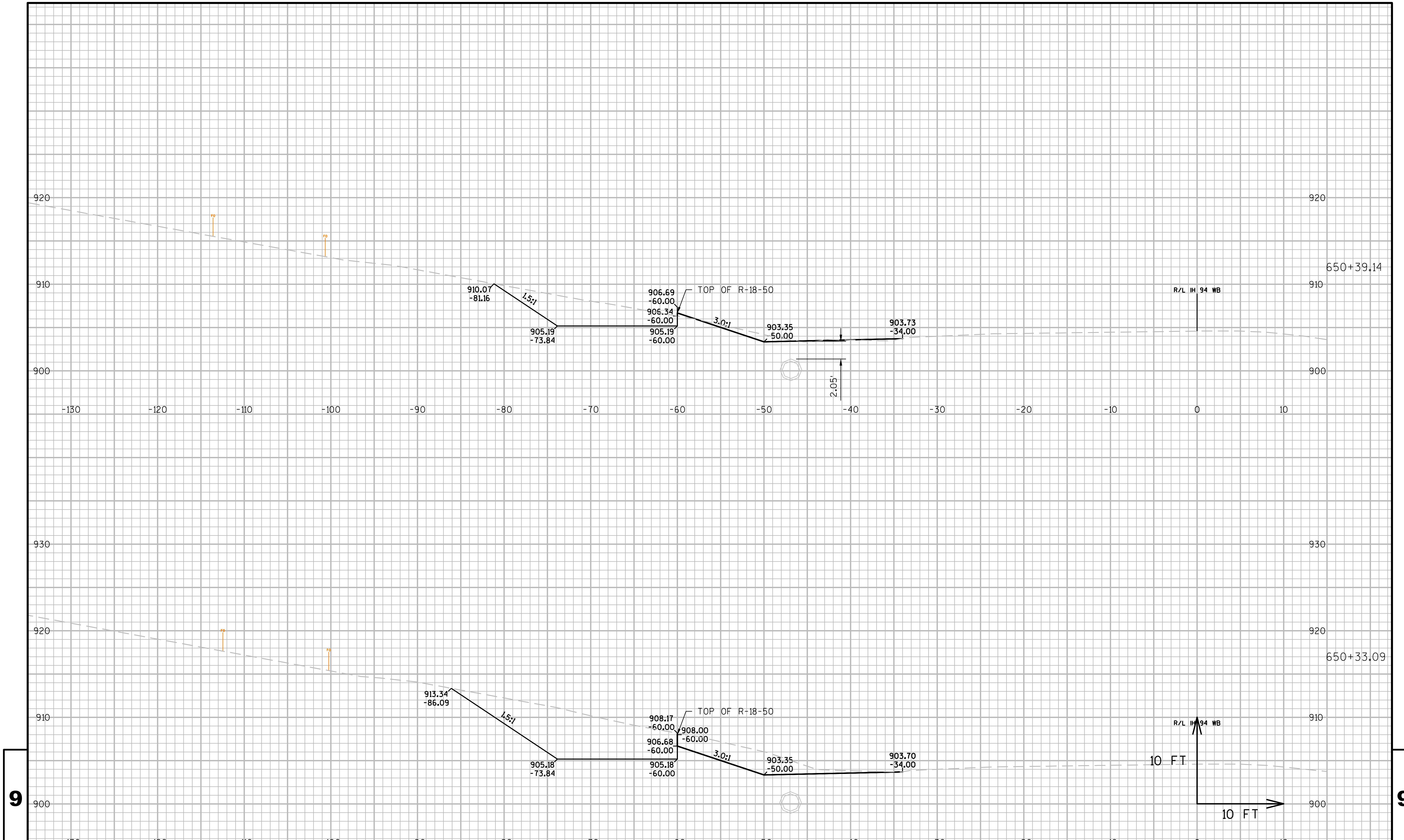
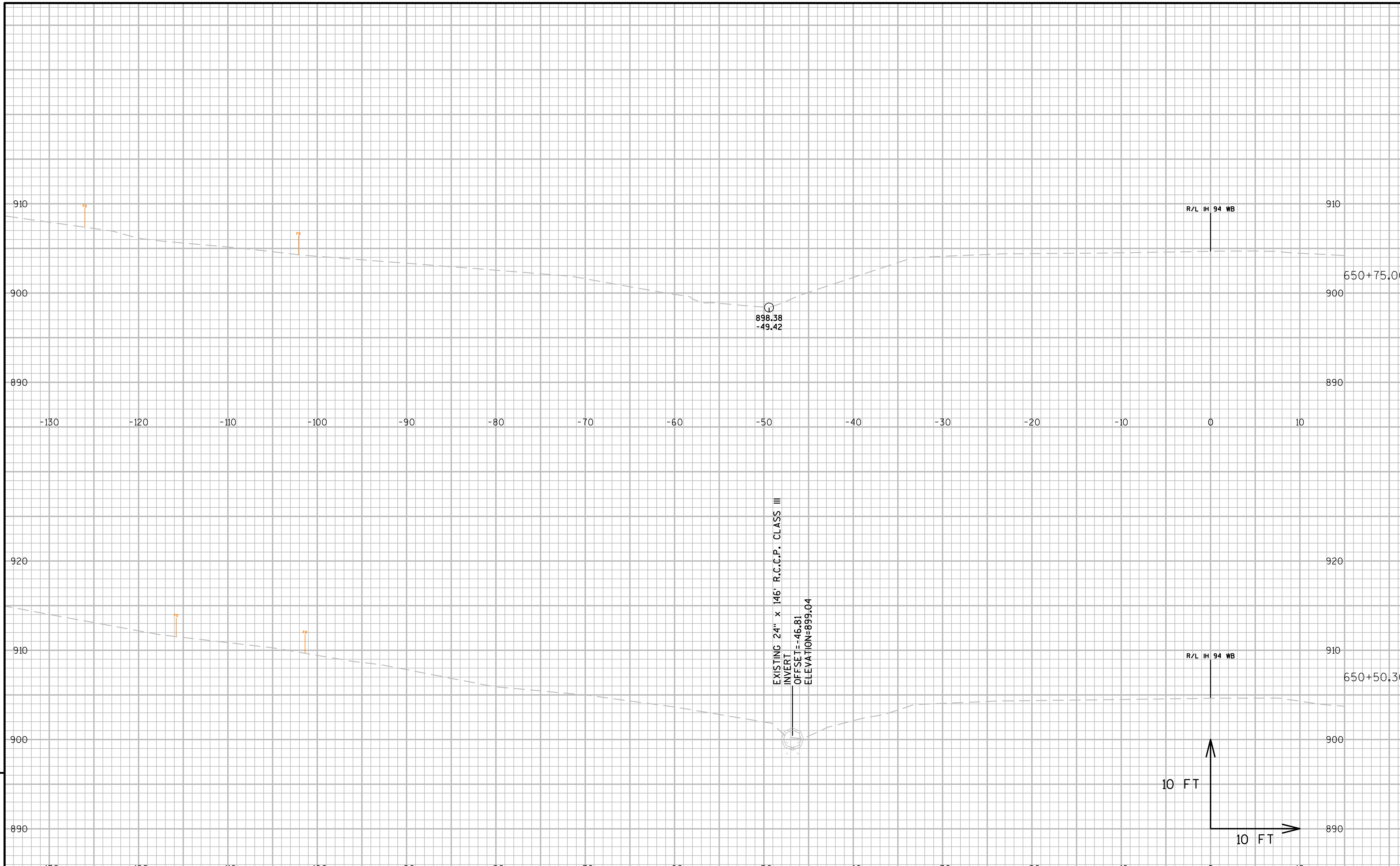
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-50_XS_1078.DWG
LAYOUT NAME - R-18-50 - (6)
PLOT DATE : 1/9/2017 4:00 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT CTH I	SHEET	E



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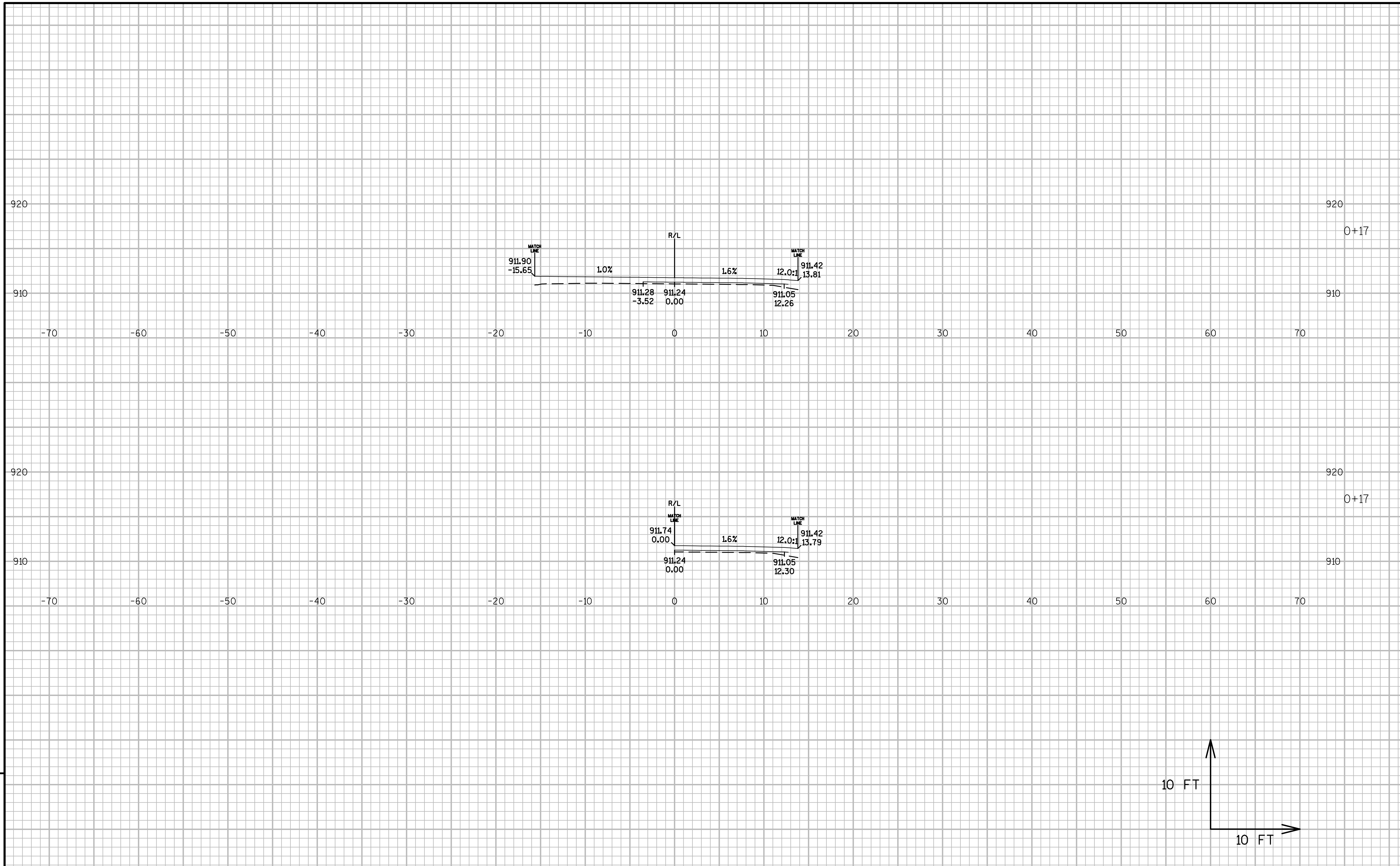
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: IH 94 WB AT CTH I	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSOTHER\R-18-50_XS_1078.DWG
LAYOUT NAME - R-18-50 - (8)

PLOT DATE : 1/9/2017 4:01 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT



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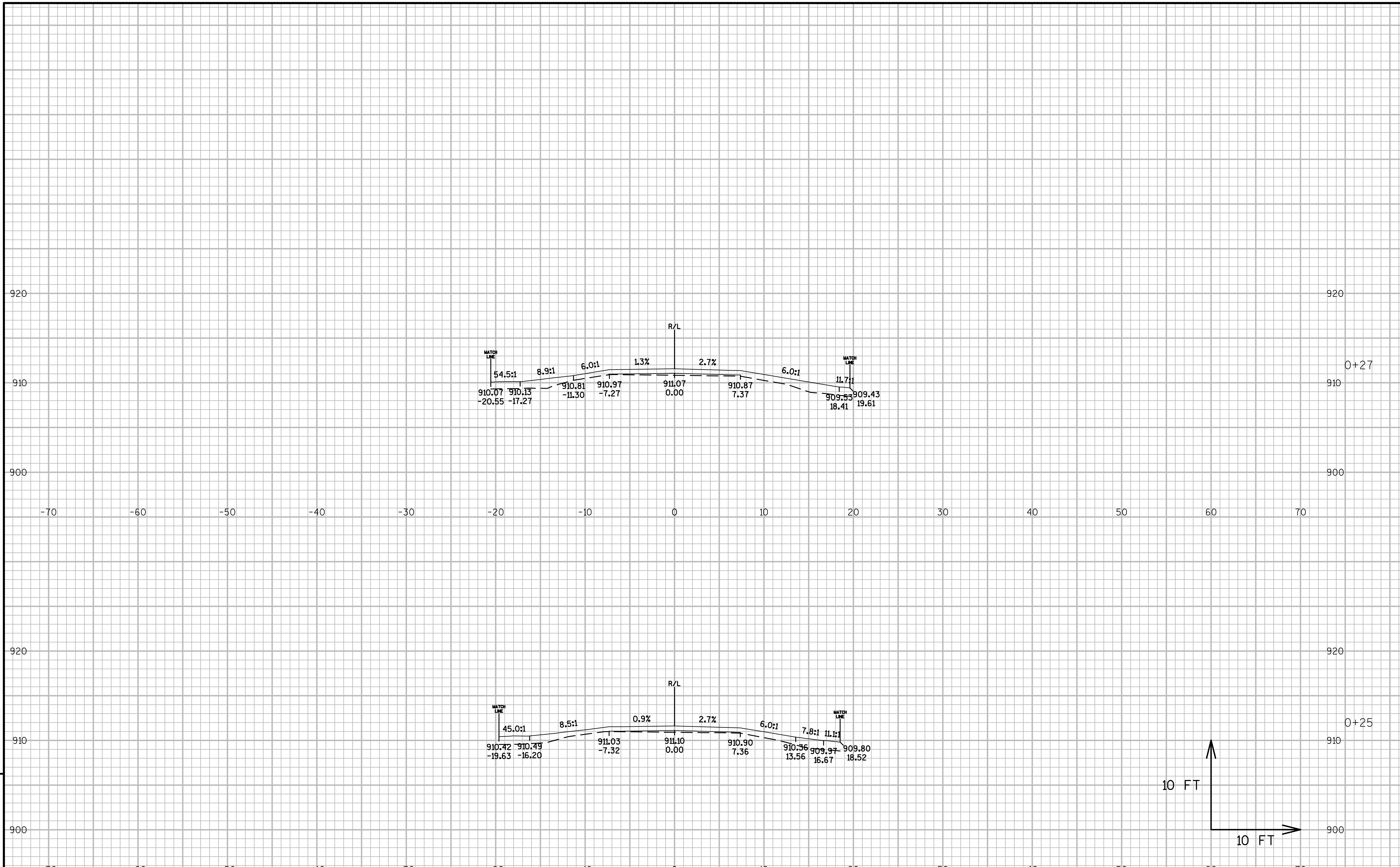
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE1'	SHEET	E



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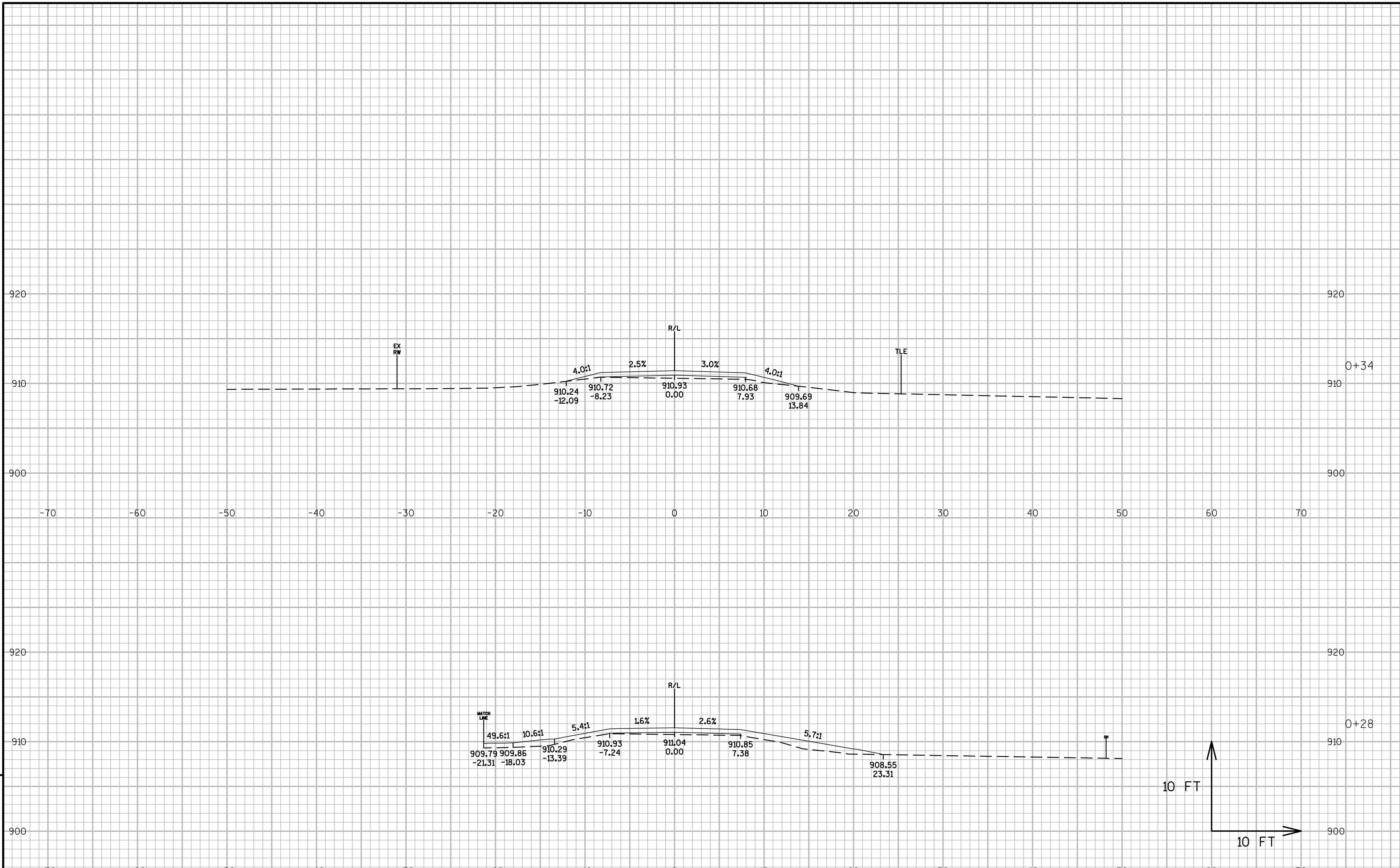
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE1'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 14+25 RT - (02)
PLOT DATE : 3/9/2017 5:49 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



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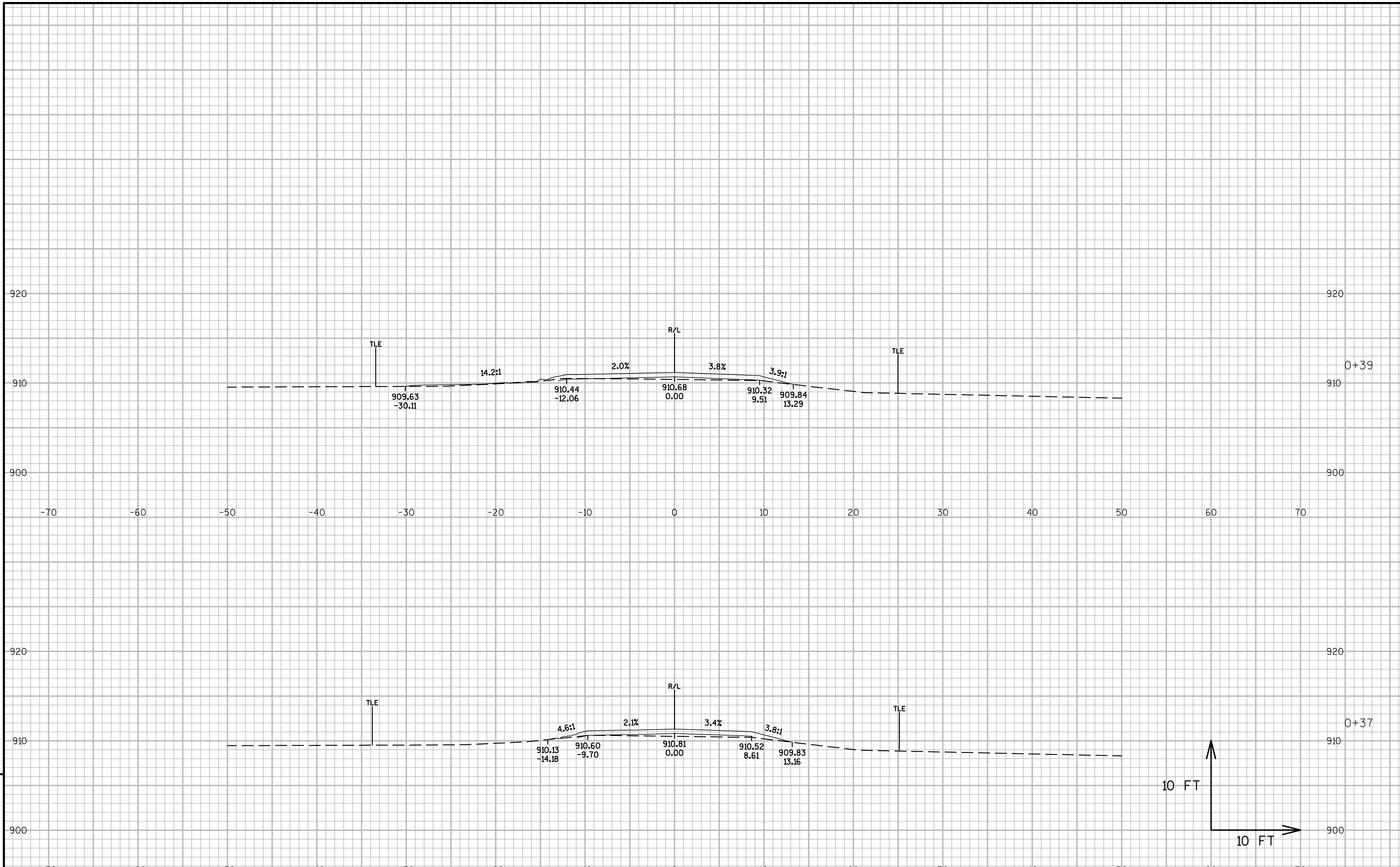
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE1'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 14+25 RT - (03)
PLOT DATE : 3/9/2017 5:49 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1



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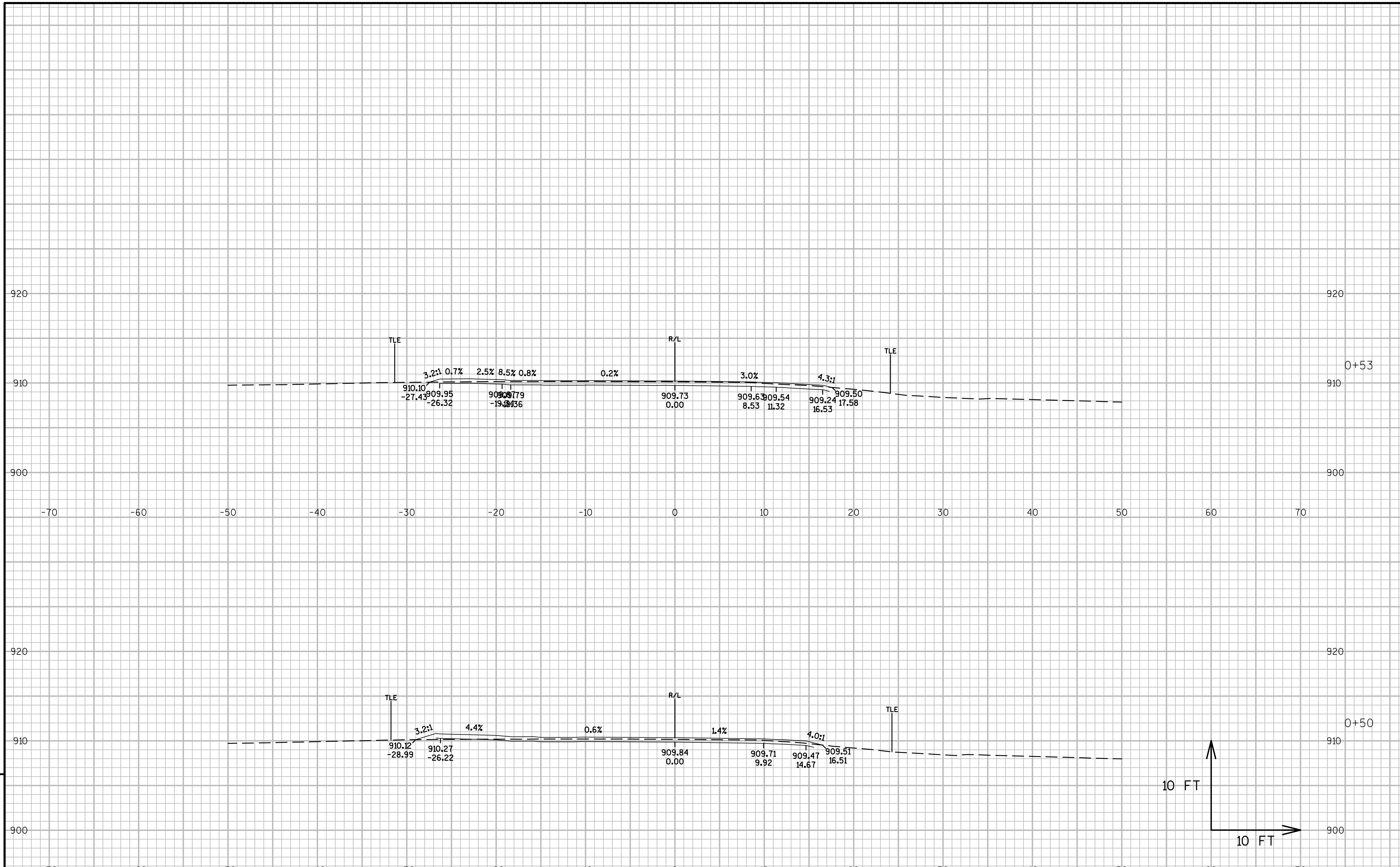
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE1'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 14+25 RT - (04)

PLOT DATE : 3/9/2017 5:49 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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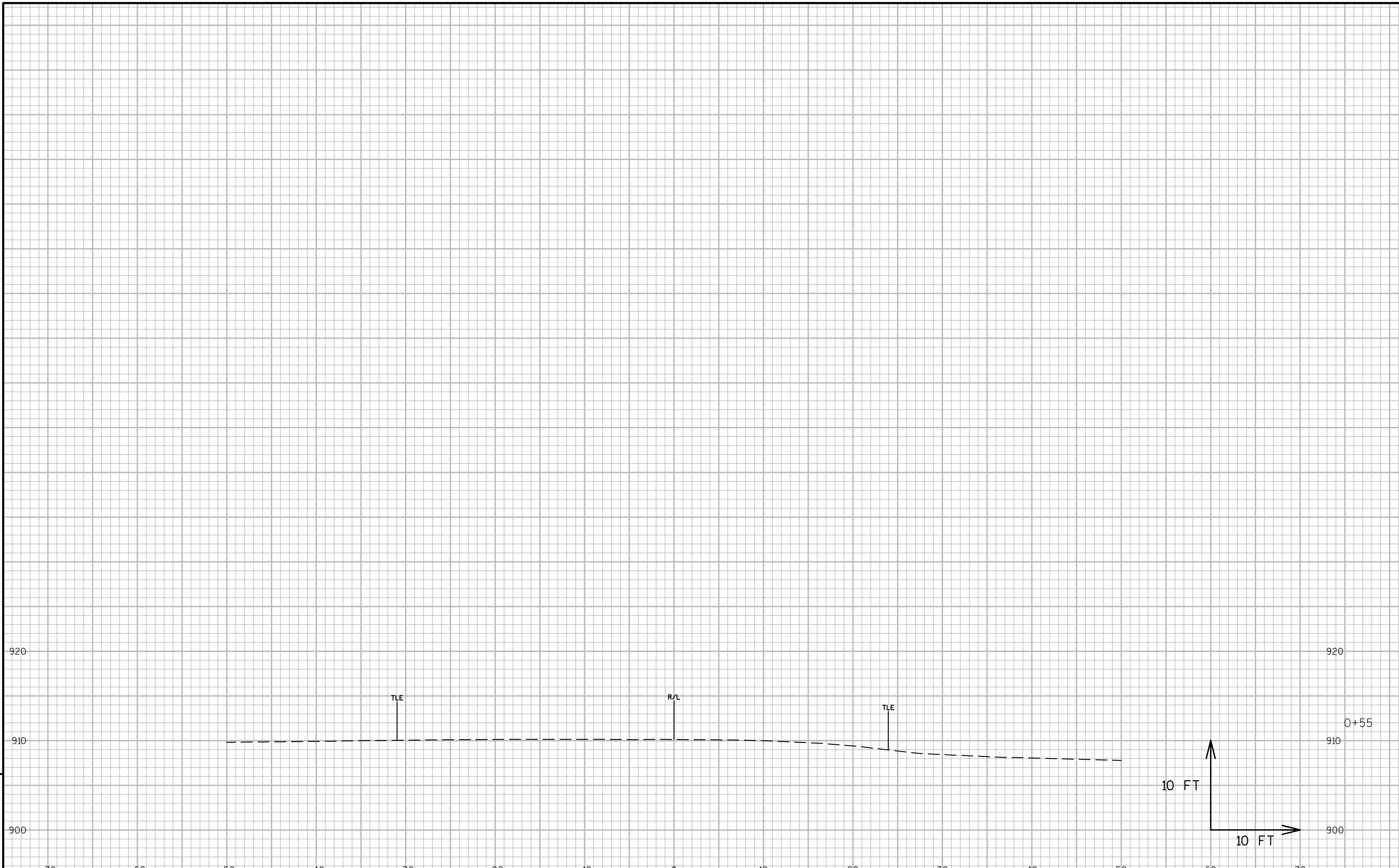
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE1'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 14+25 RT - (05)

PLOT DATE : 3/9/2017 5:49 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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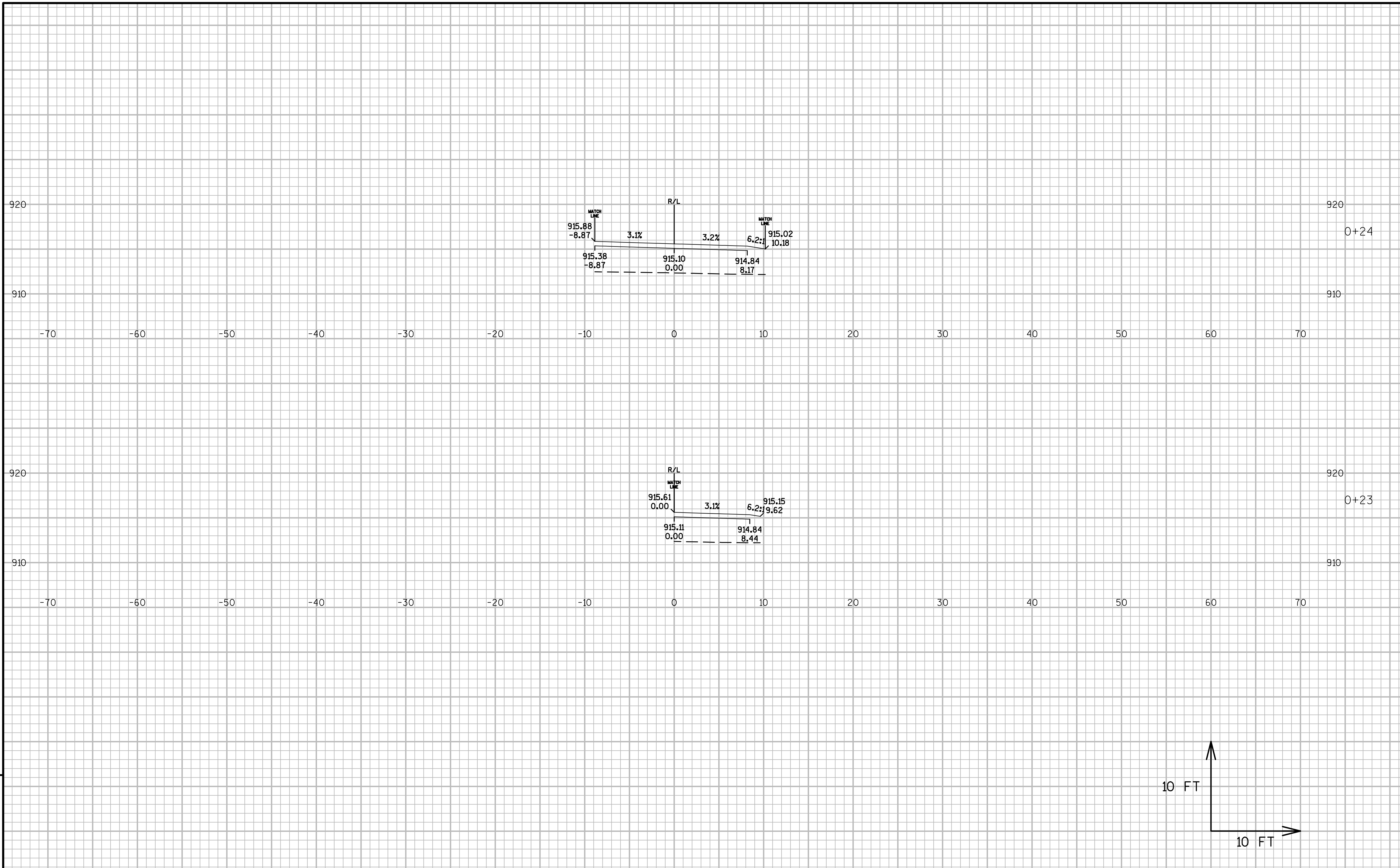
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE1'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 14+25 RT - (06)

PLOT DATE : 3/9/2017 5:49 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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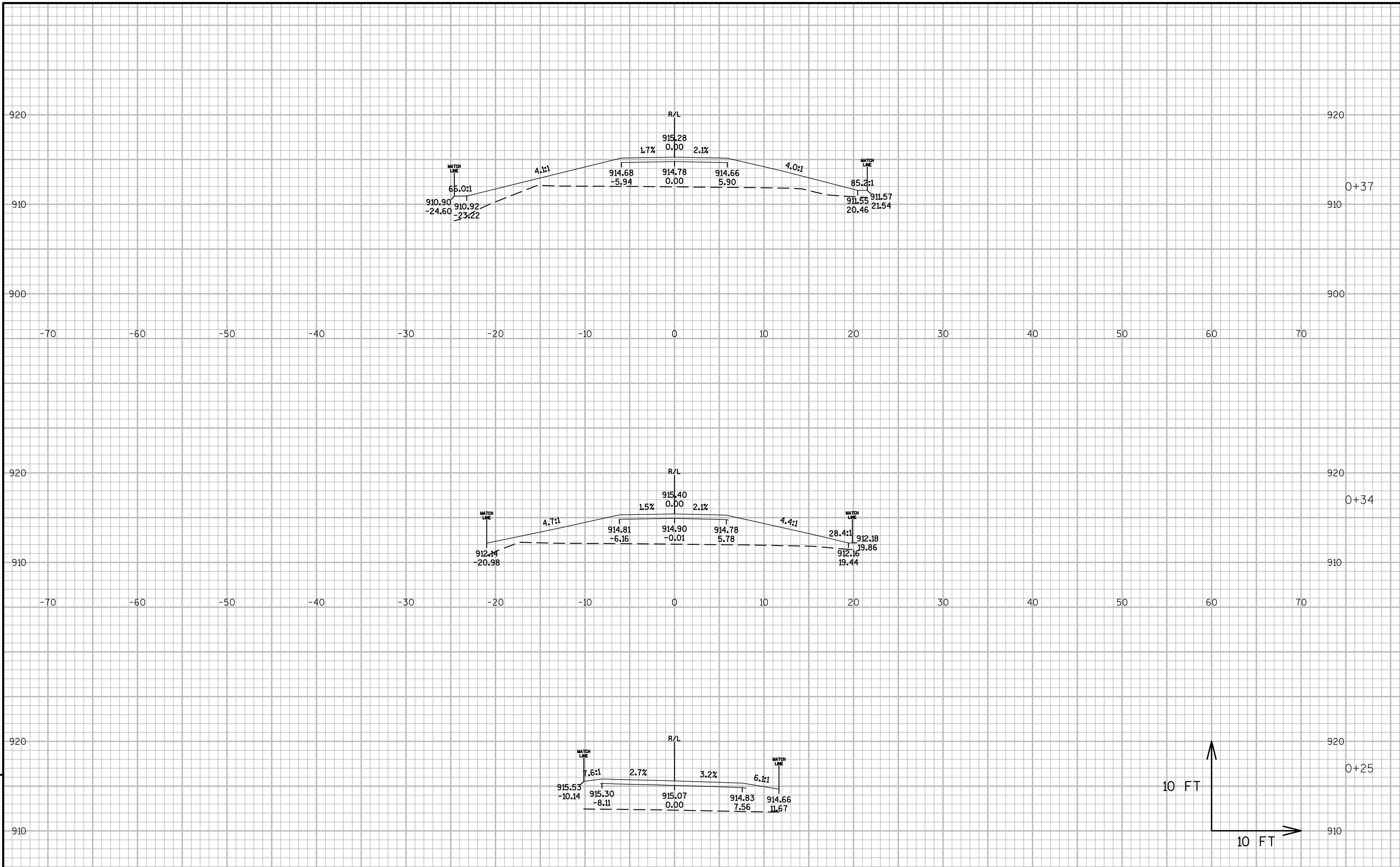
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE2'	SHEET	E



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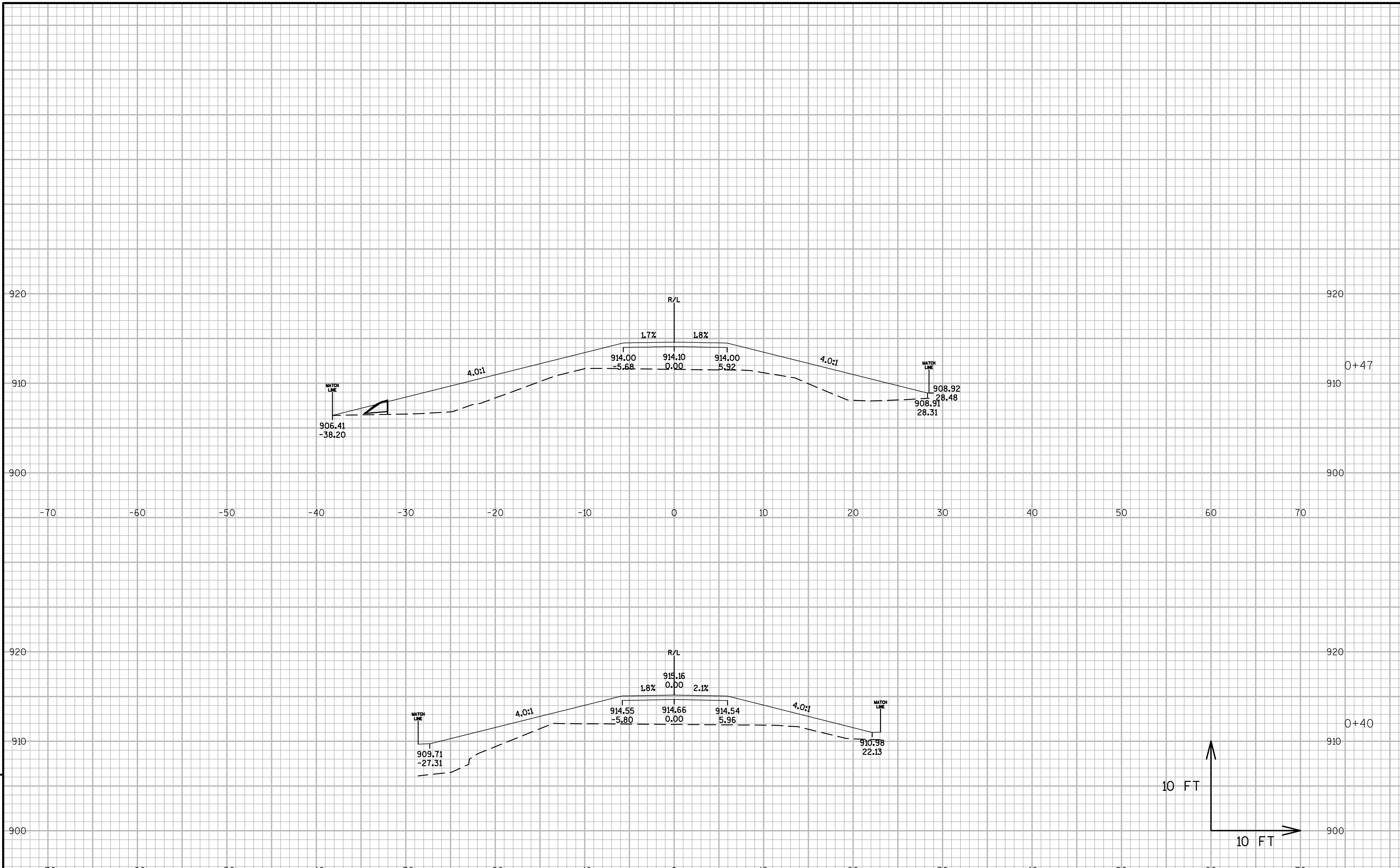
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE2'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 16+15 RT - (02)
PLOT DATE : 3/9/2017 5:49 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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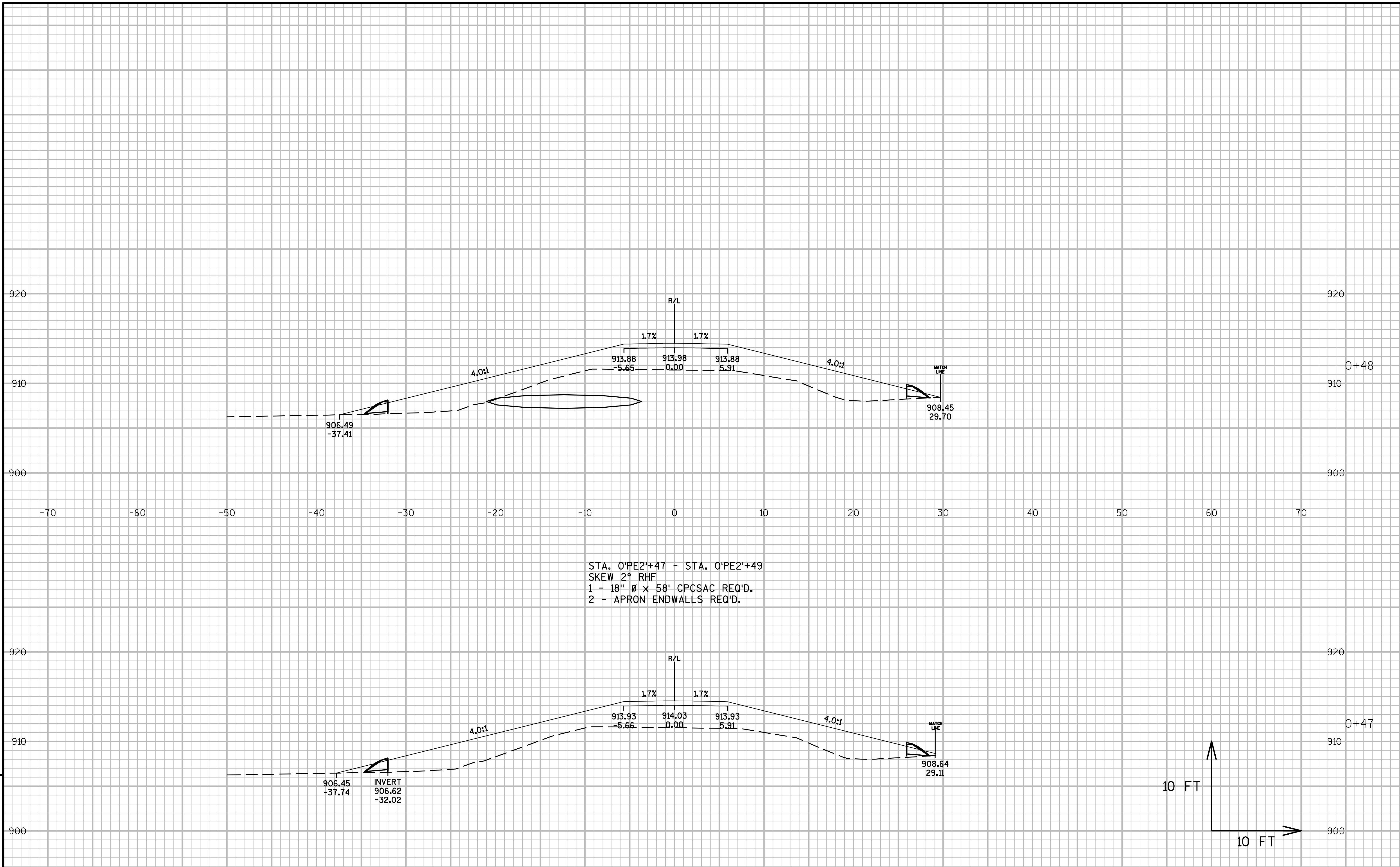
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE2'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 16+15 RT - (03)

PLOT DATE : 3/9/2017 5:50 PM   PLOT BY : BUDDEN, LUCAS J   PLOT NAME :   PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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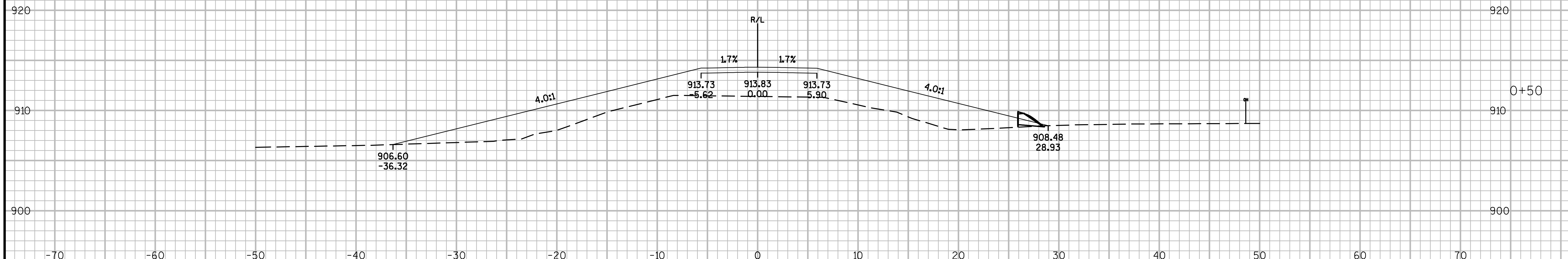
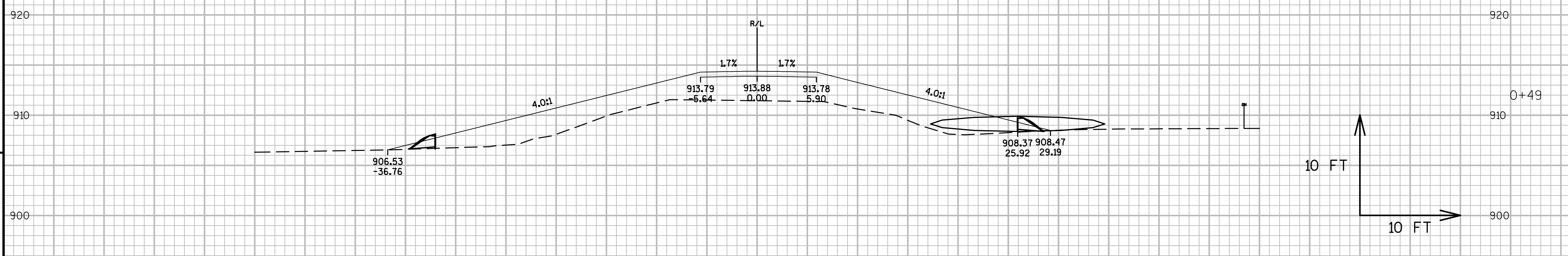
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE2'	SHEET	E





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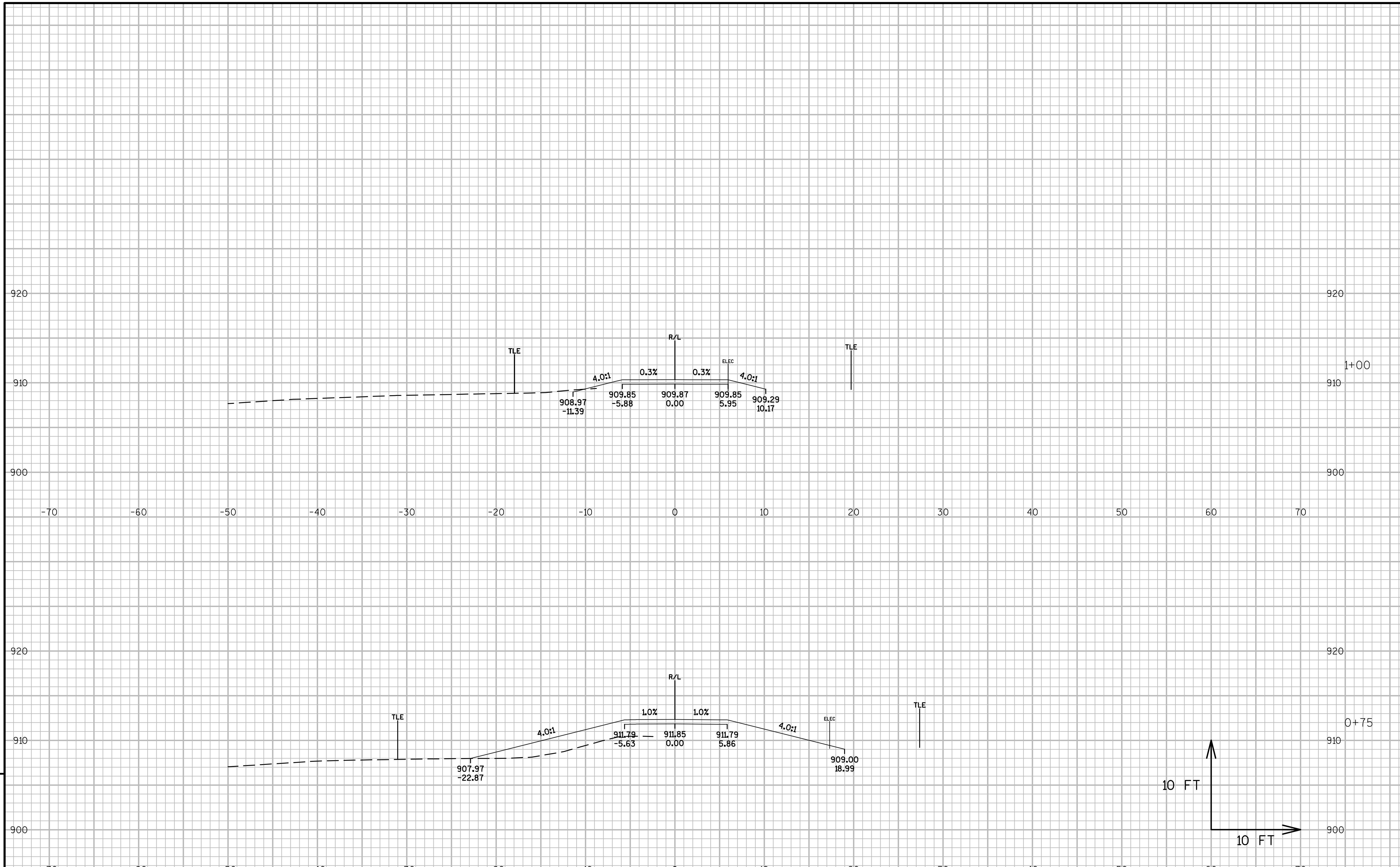
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE2'	SHEET	E



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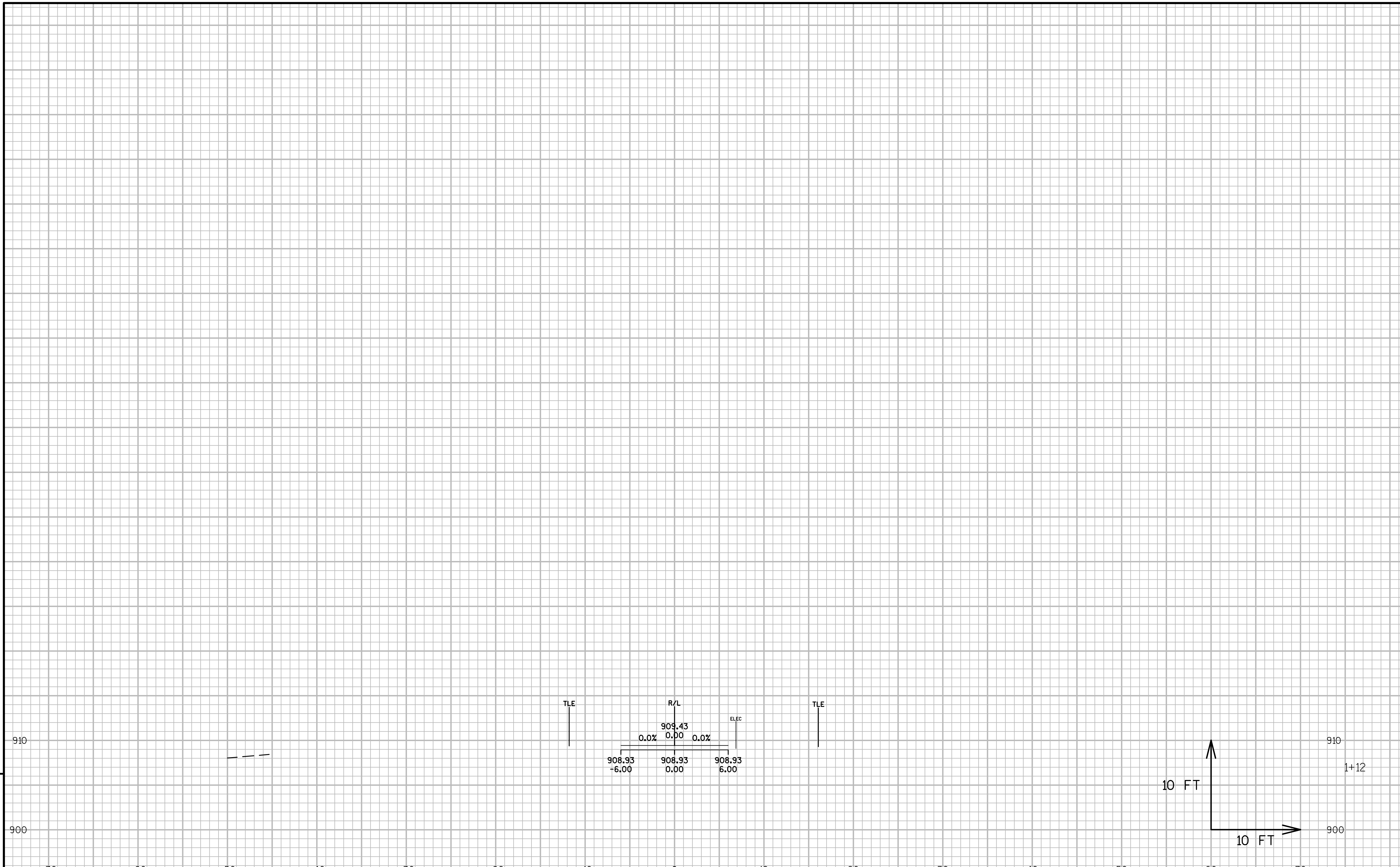
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE2'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 16+15 RT - (06)
PLOT DATE : 3/9/2017 5:50 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1



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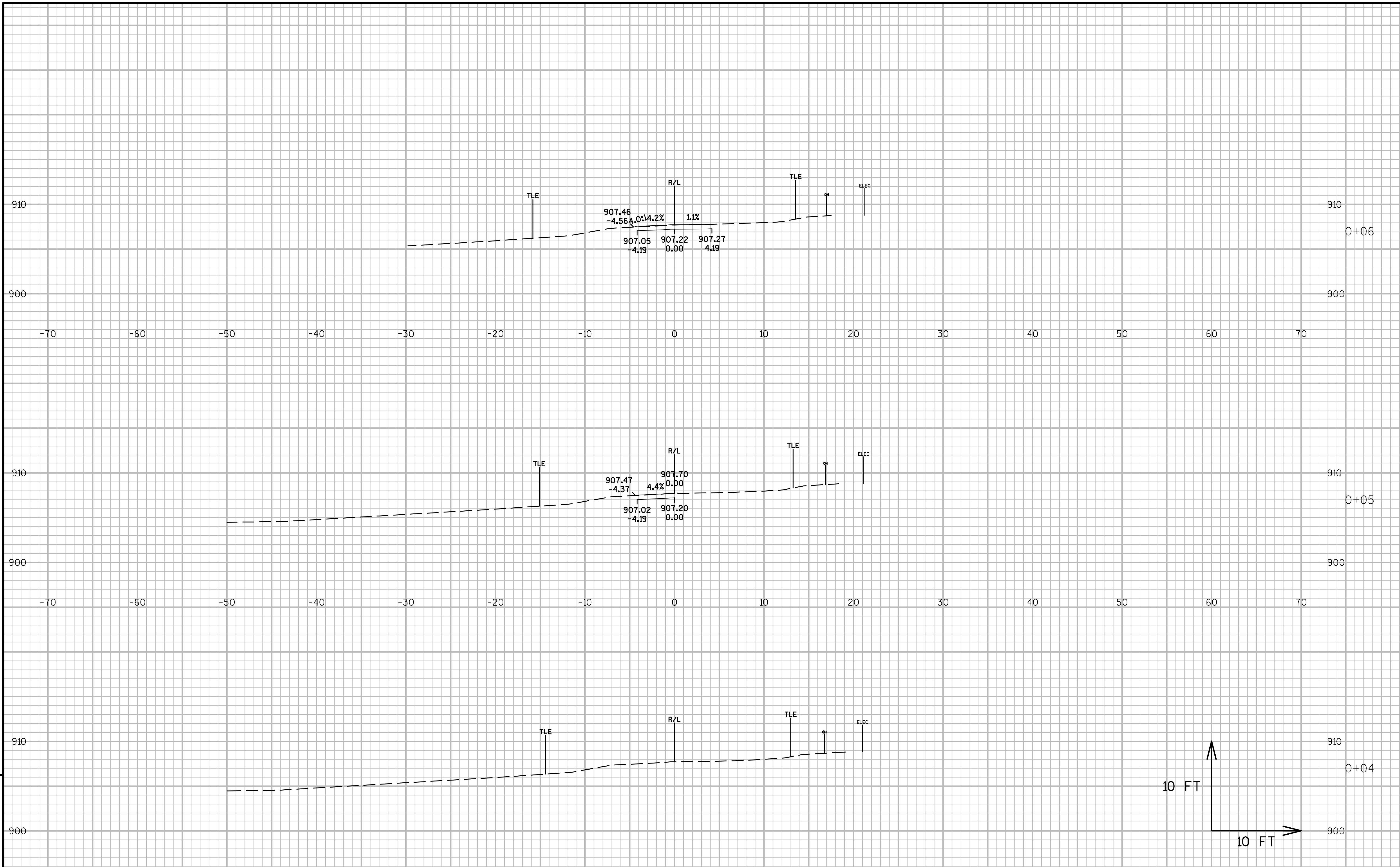
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE2'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 16+15 RT - (07)
PLOT DATE : 3/9/2017 5:50 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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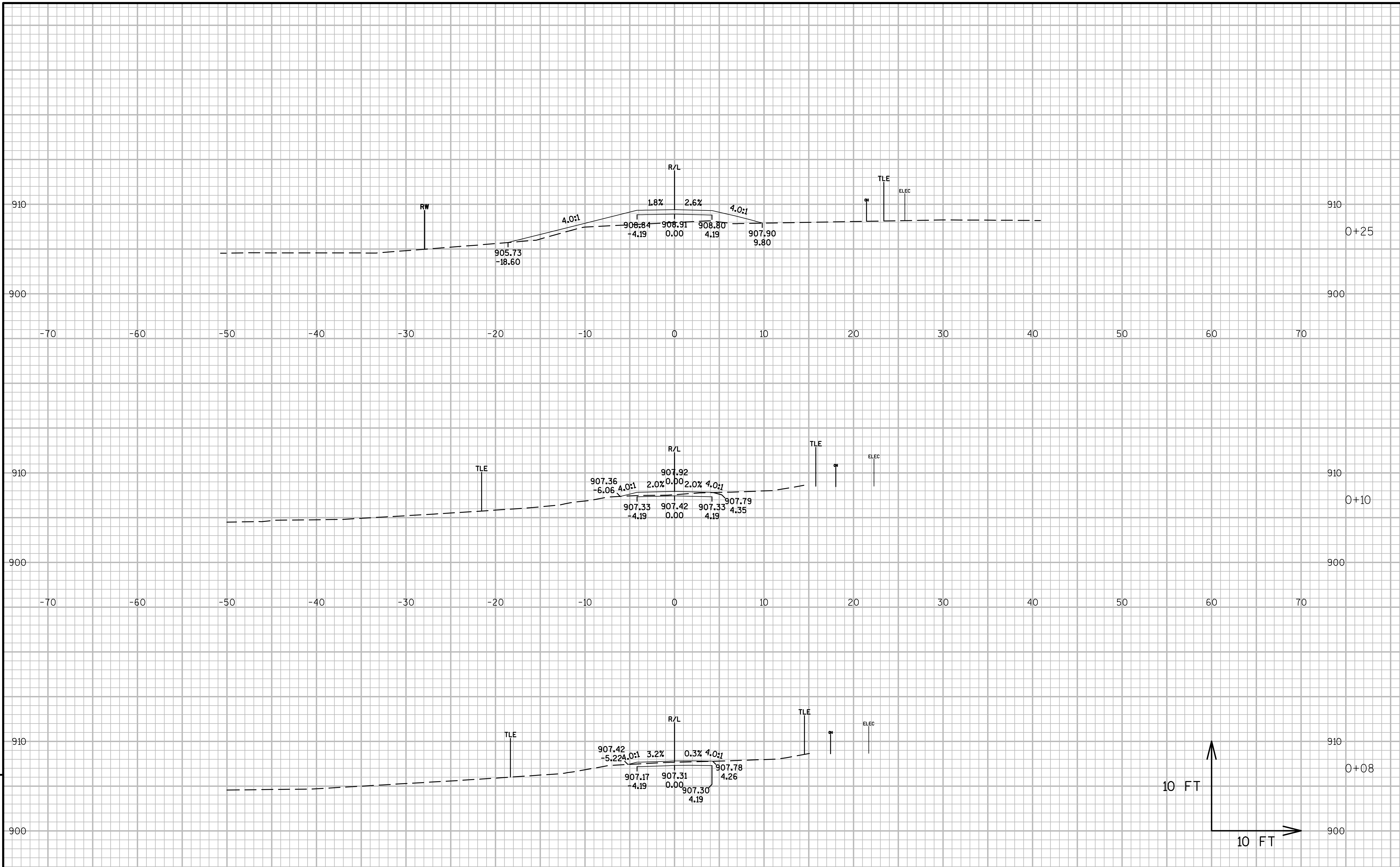
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE3'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 16+30 LT - (01)
PLOT DATE : 3/9/2017 5:50 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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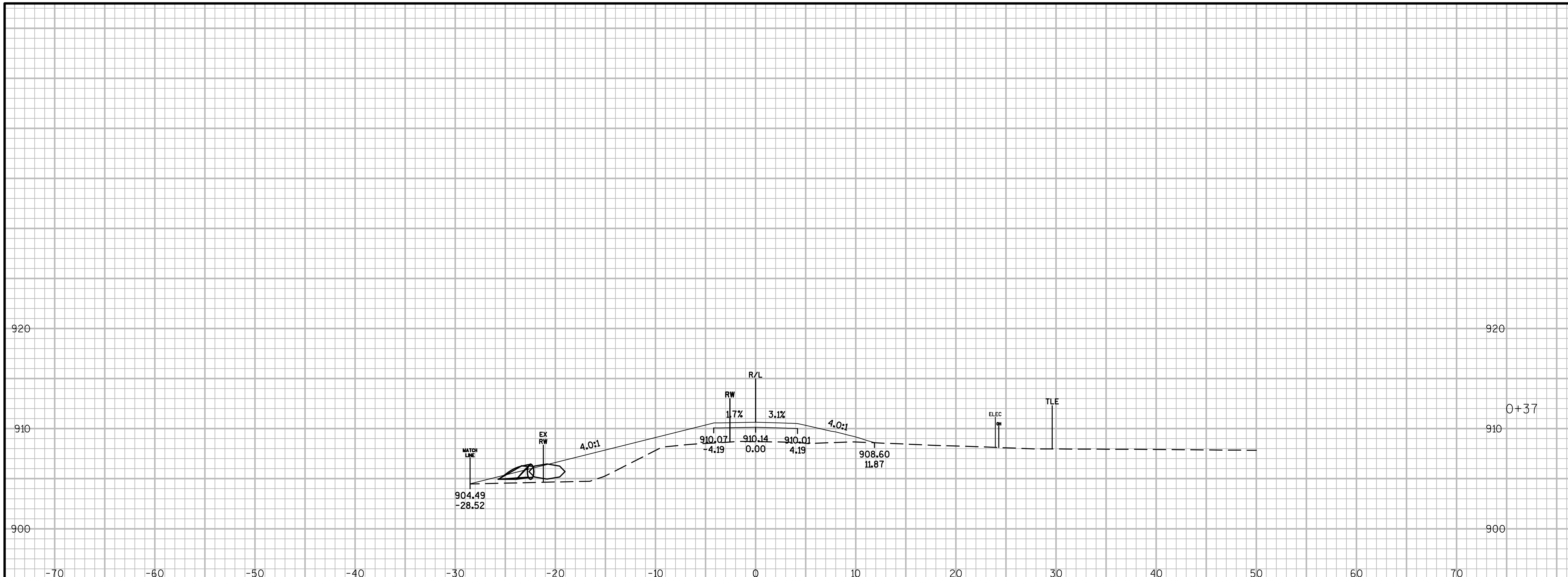
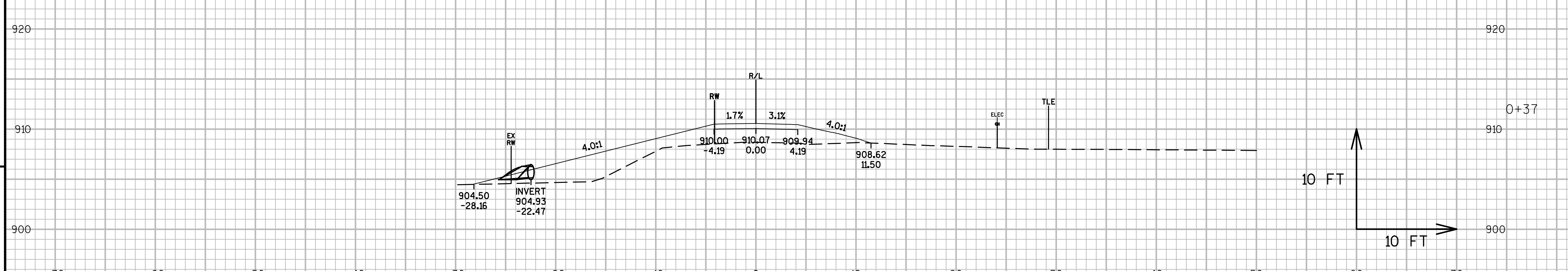
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE3'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 16+30 LT - (02)
PLOT DATE : 3/9/2017 5:50 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



STA. O'PE3'+37 - STA. O'PE3'+62
SKEW 25° RHF
1 - 18" Ø x 60' CPCSAC REQ'D.
2 - APRON ENDWALLS REQ'D.



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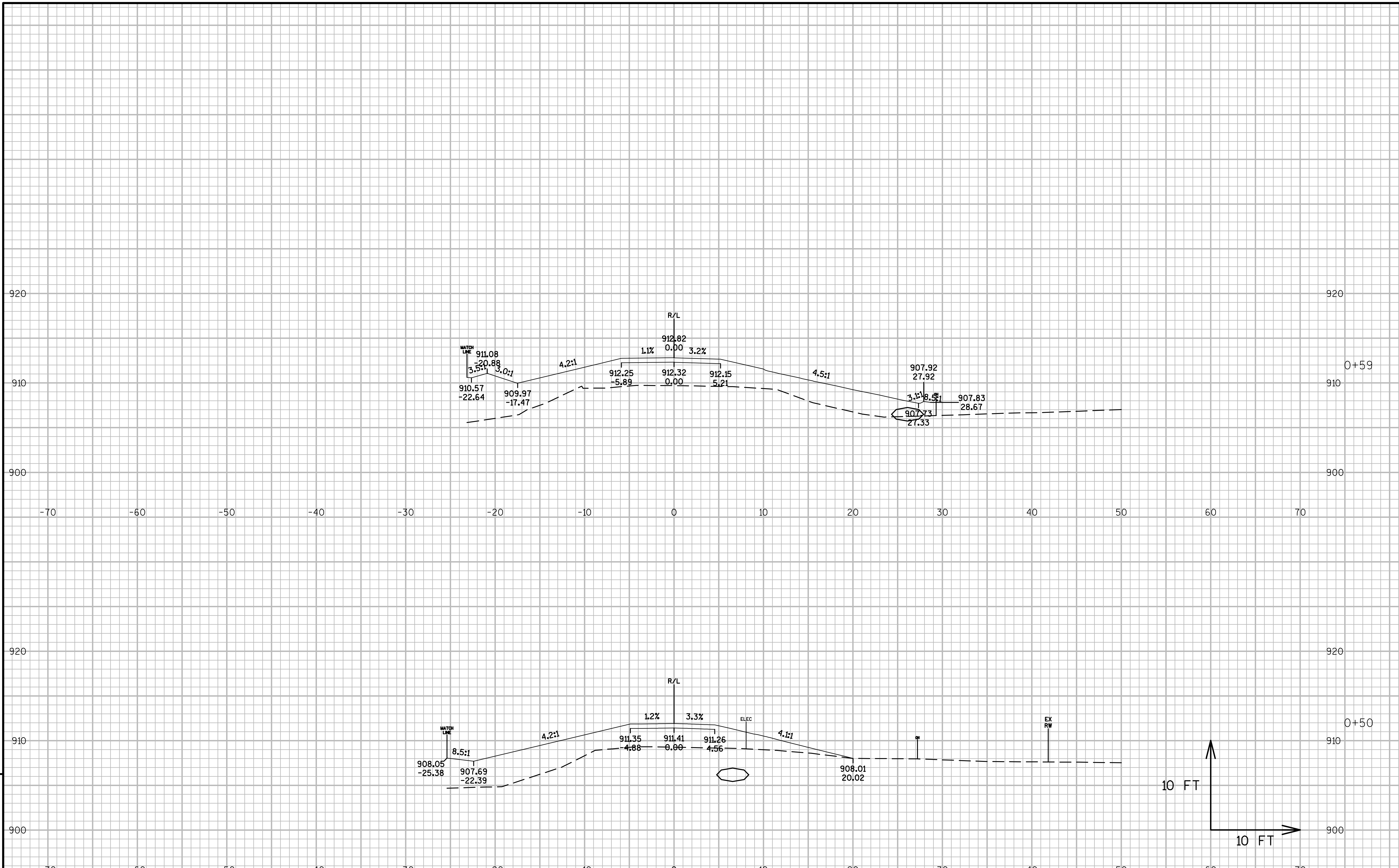
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE3'	SHEET	E



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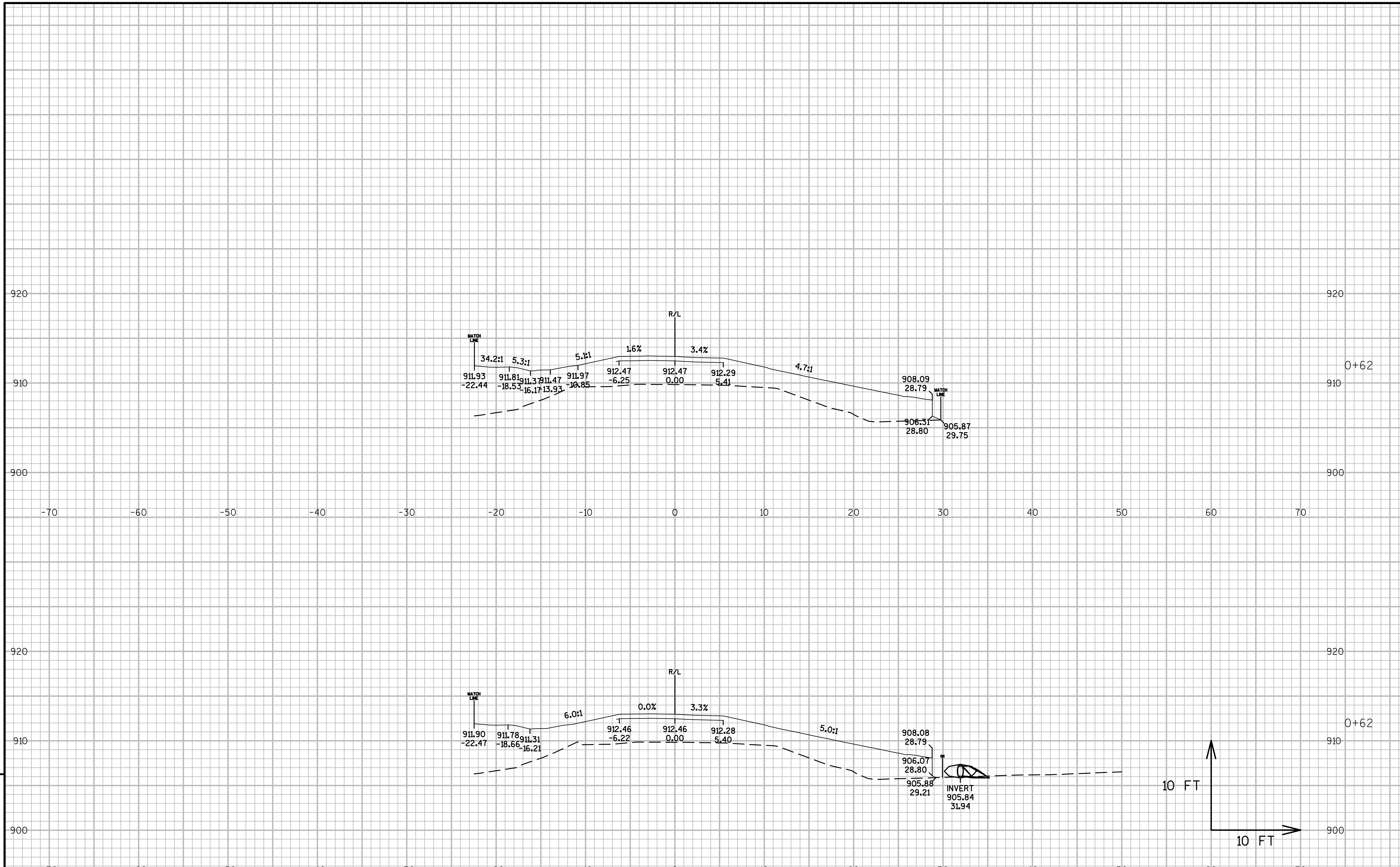
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:'PE3'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 16+30 LT - (04)
PLOT DATE : 3/9/2017 5:51 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



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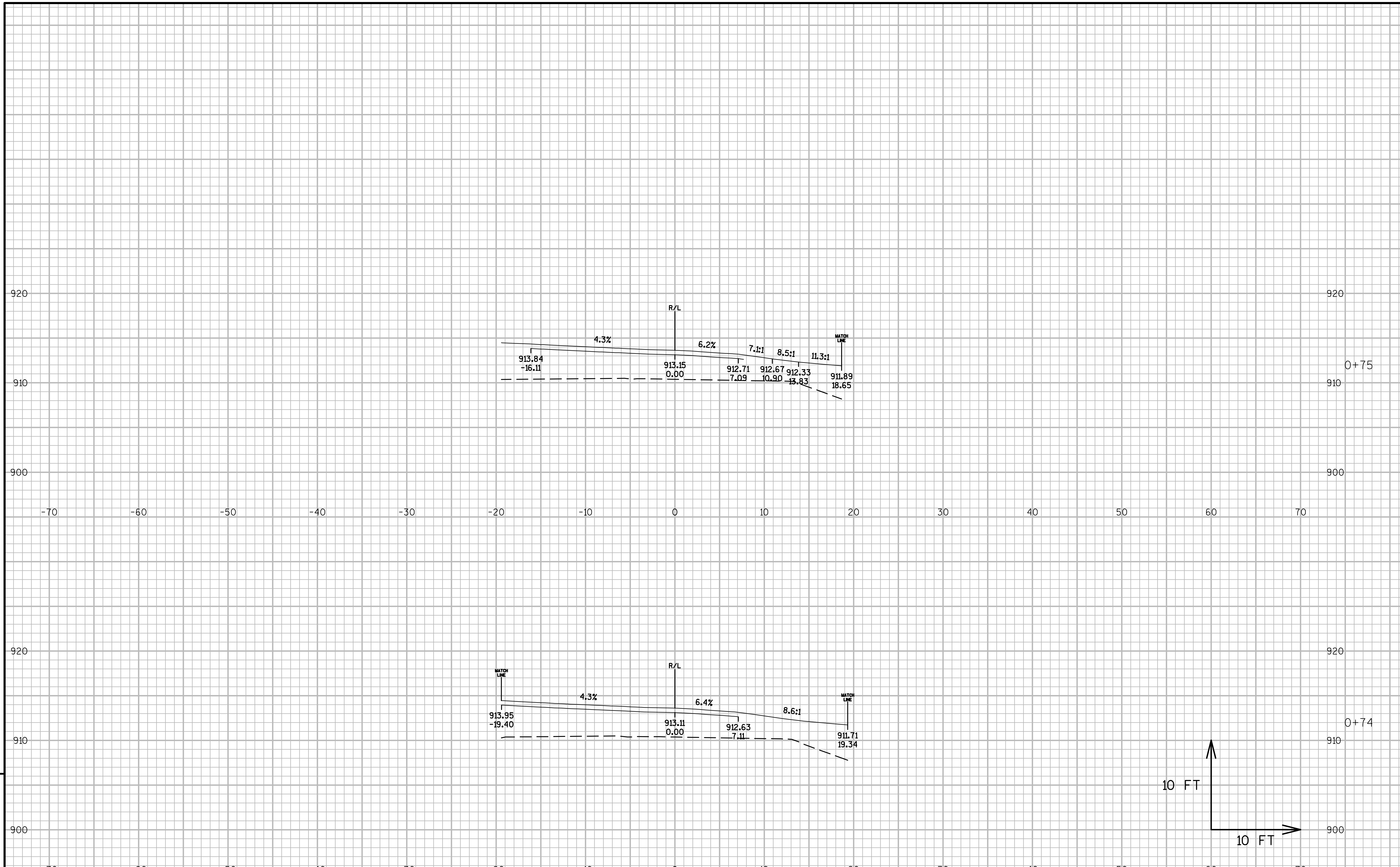
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE3'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 16+30 LT - (05)

PLOT DATE : 3/9/2017 5:51 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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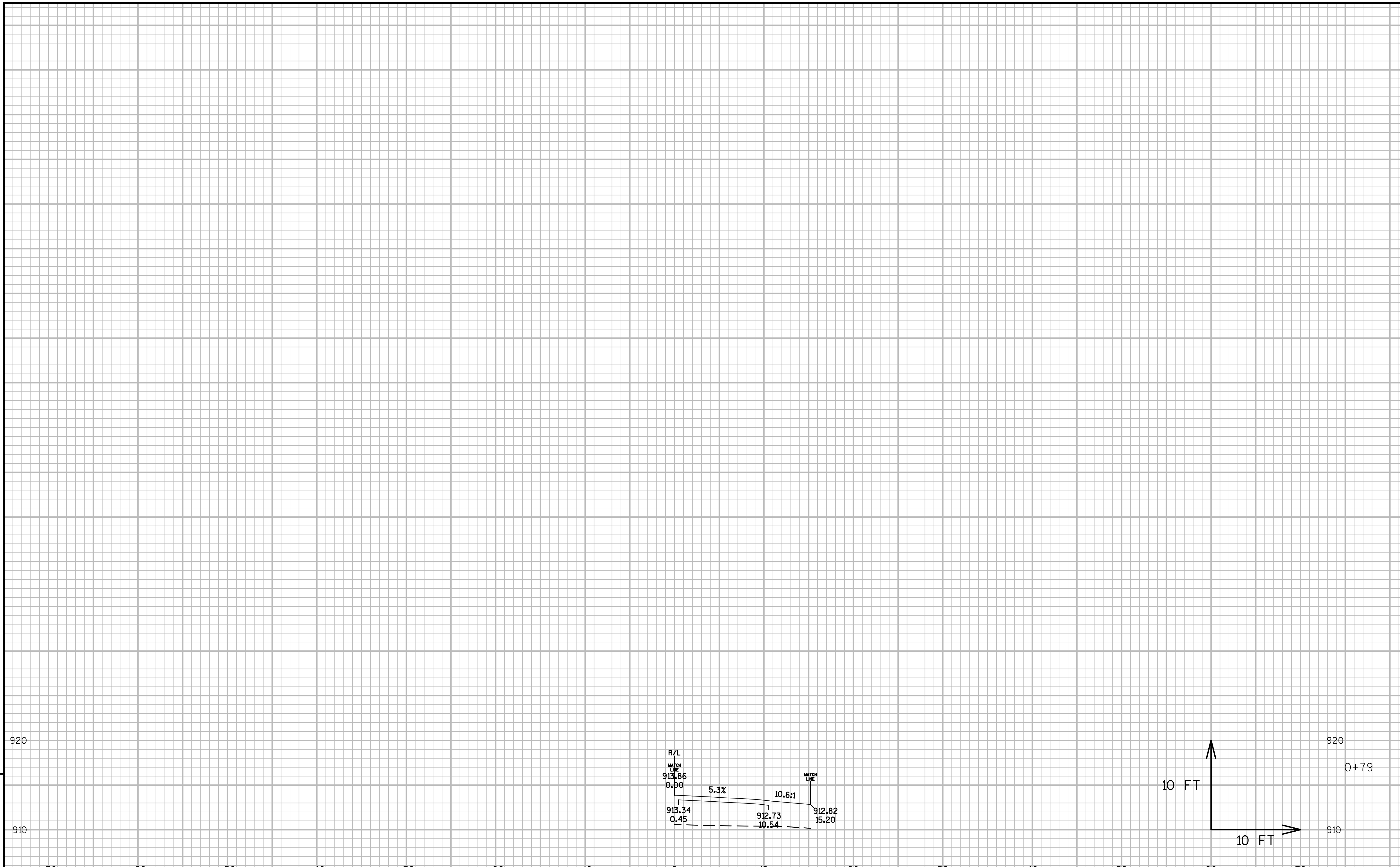
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE3'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 16+30 LT - (06)
PLOT DATE : 3/9/2017 5:51 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



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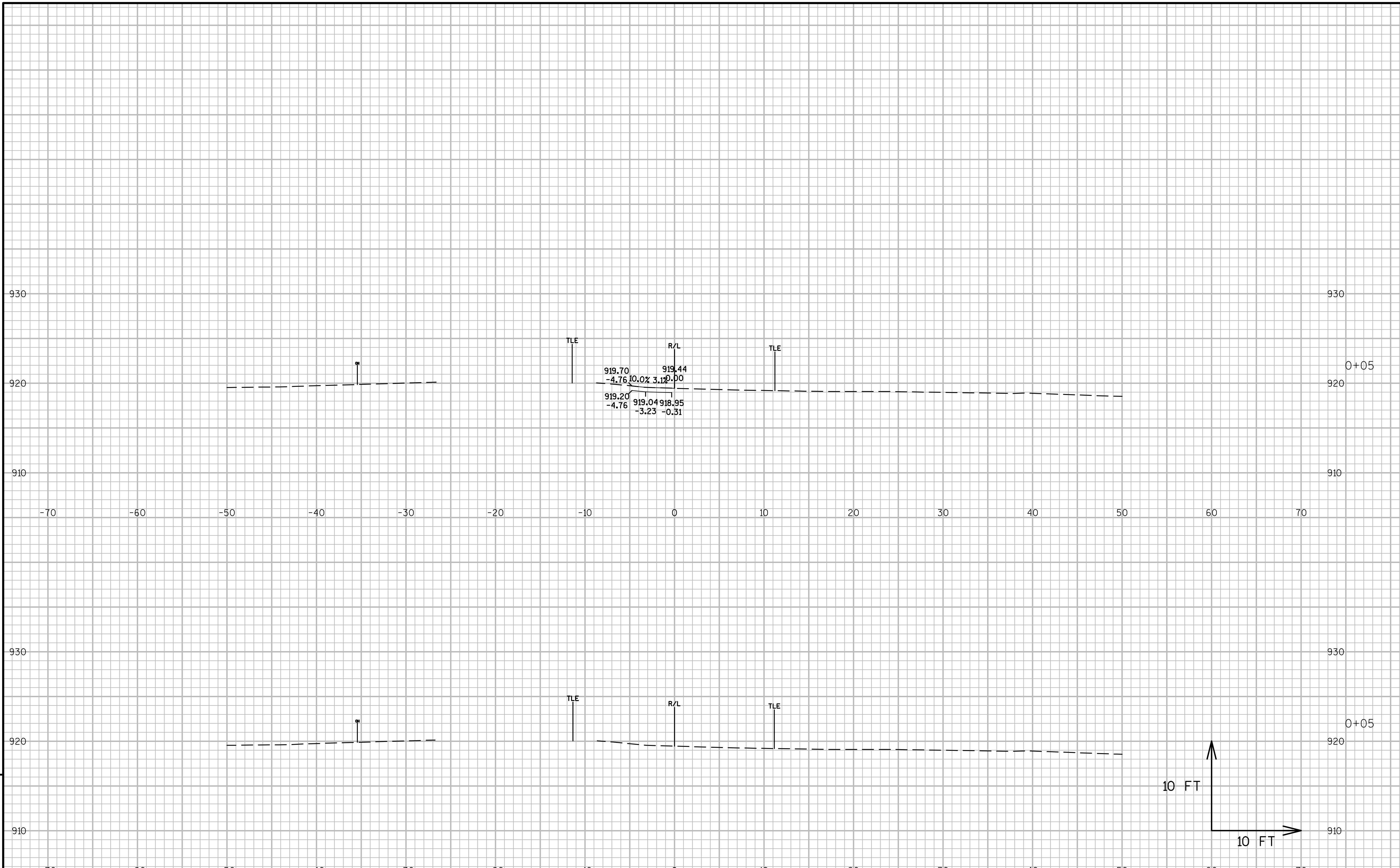
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE3'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 16+30 LT - (07)

PLOT DATE : 3/9/2017 5:51 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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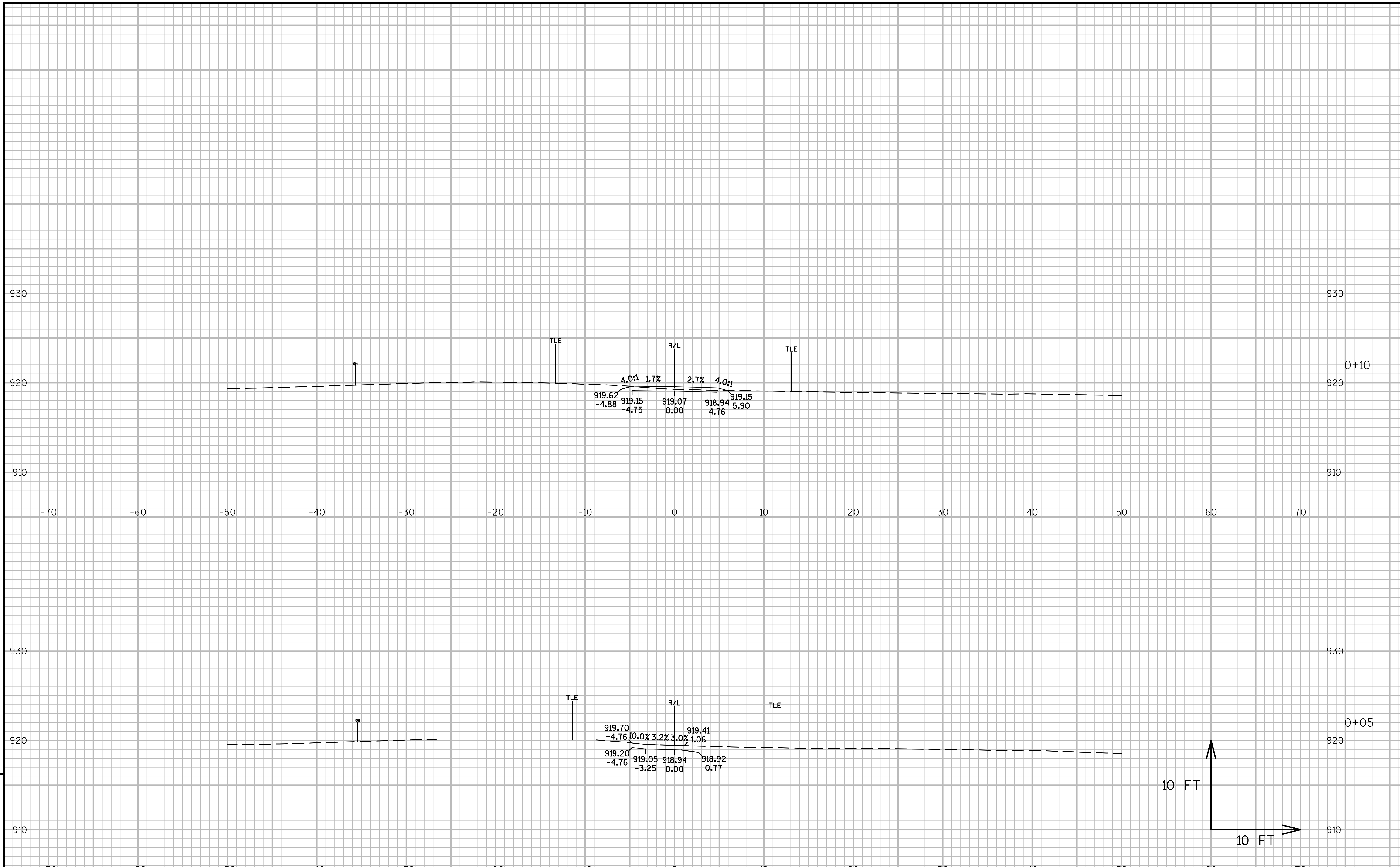
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE4'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 23+00 LT - (01)
PLOT DATE : 3/9/2017 5:51 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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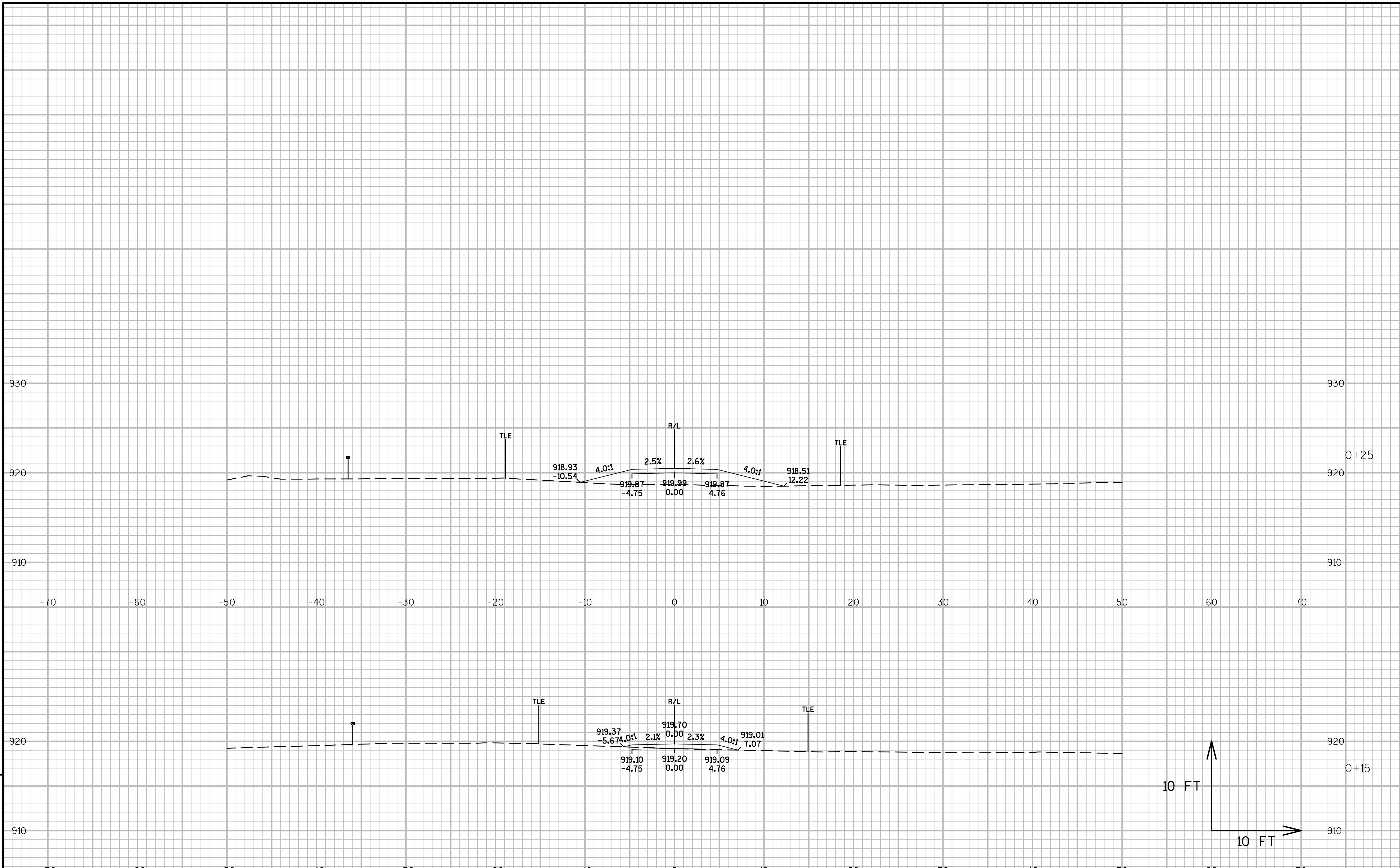
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE4'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 23+00 LT - (02)

PLOT DATE : 3/9/2017 5:51 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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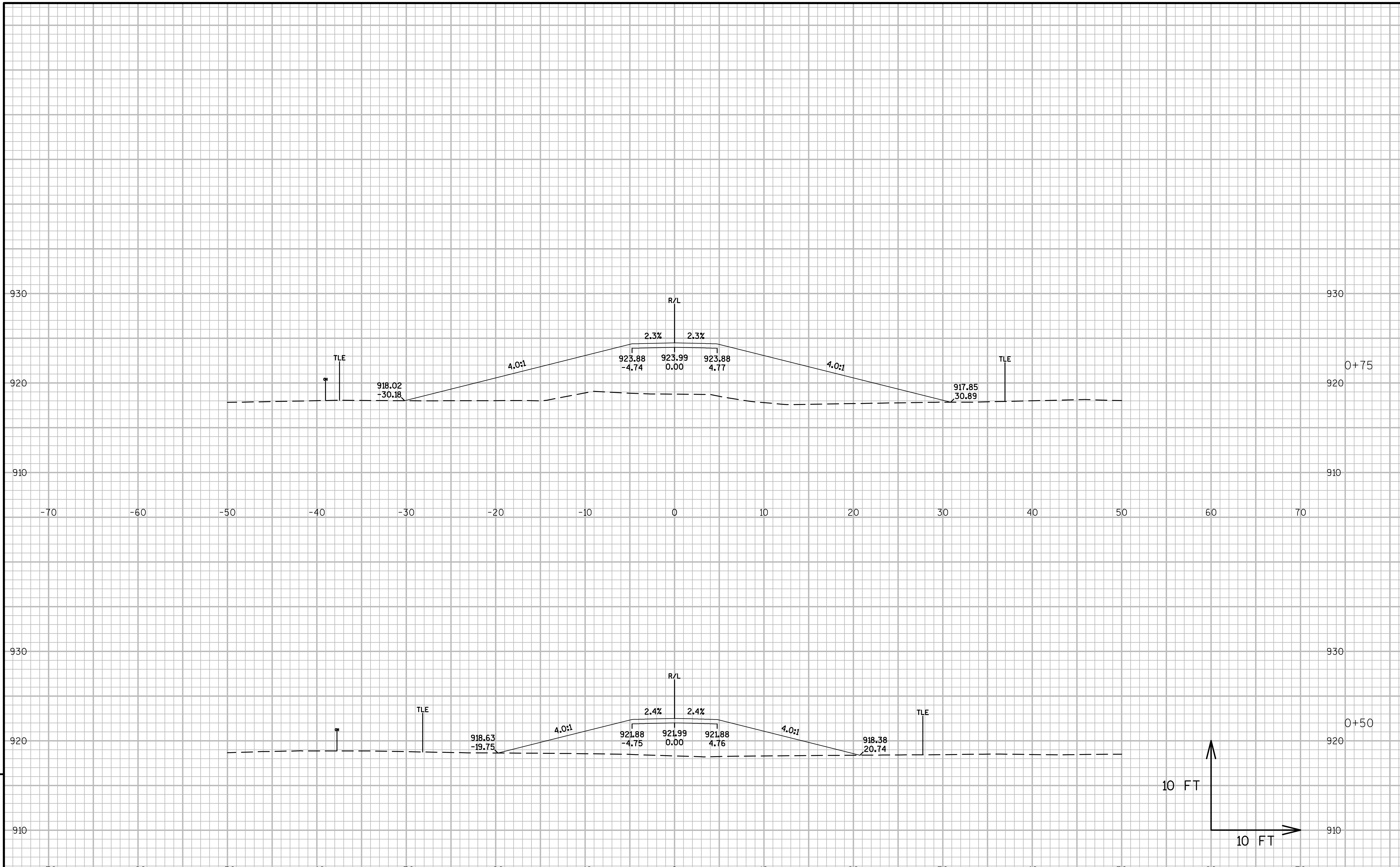
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE4'	SHEET	E



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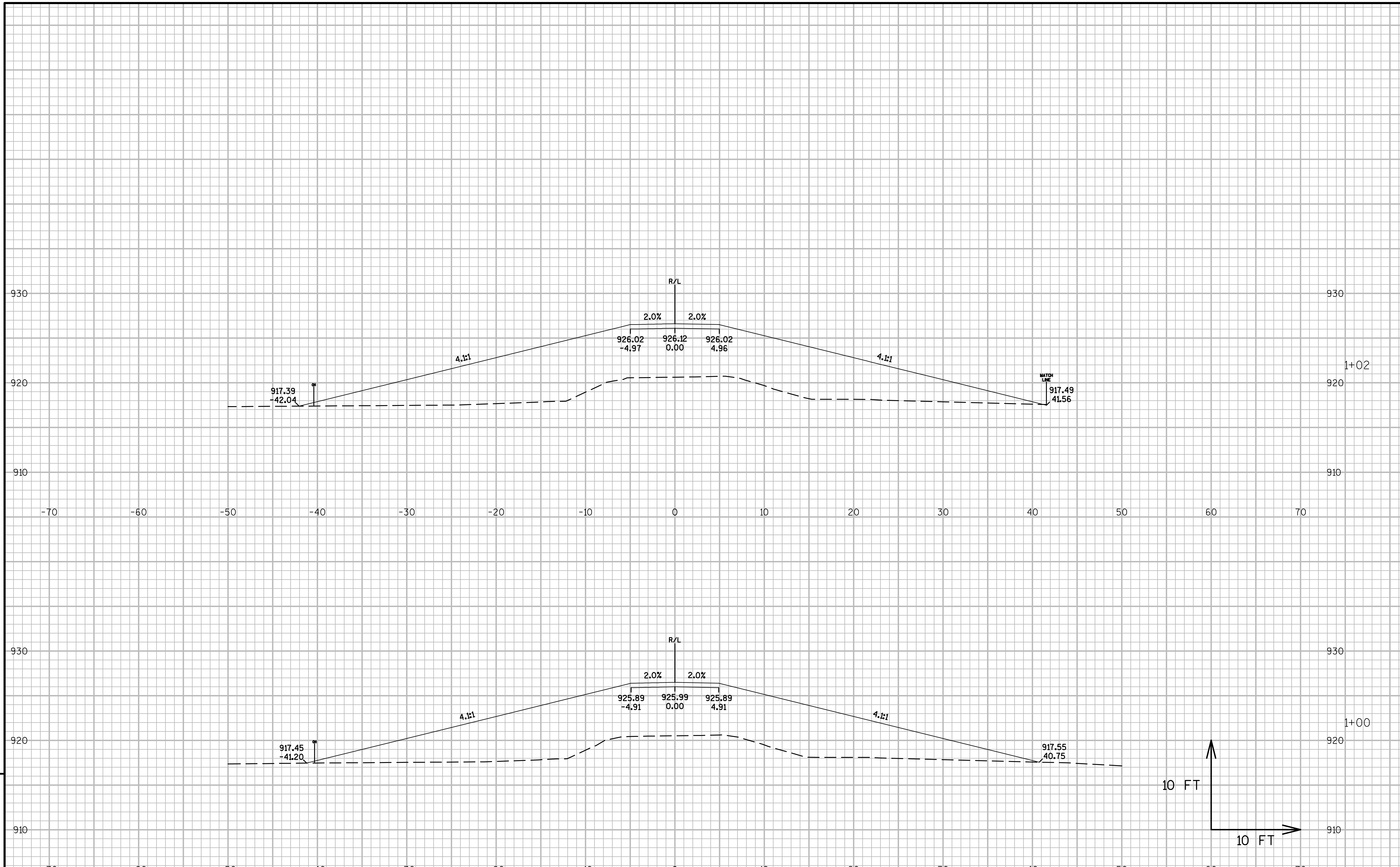
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE4'	SHEET	E



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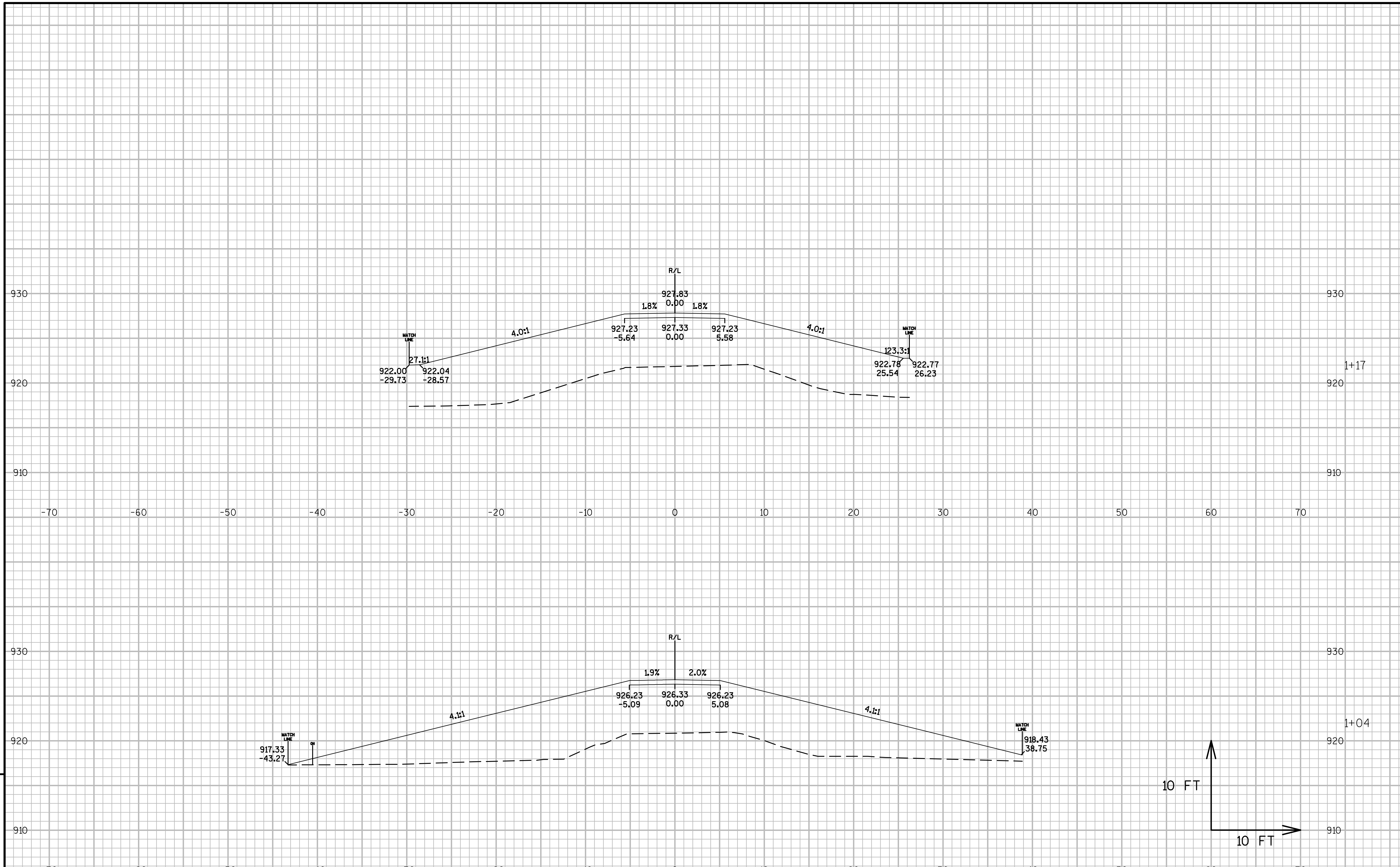
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE4'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 23+00 LT - (05)
PLOT DATE : 3/9/2017 5:52 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



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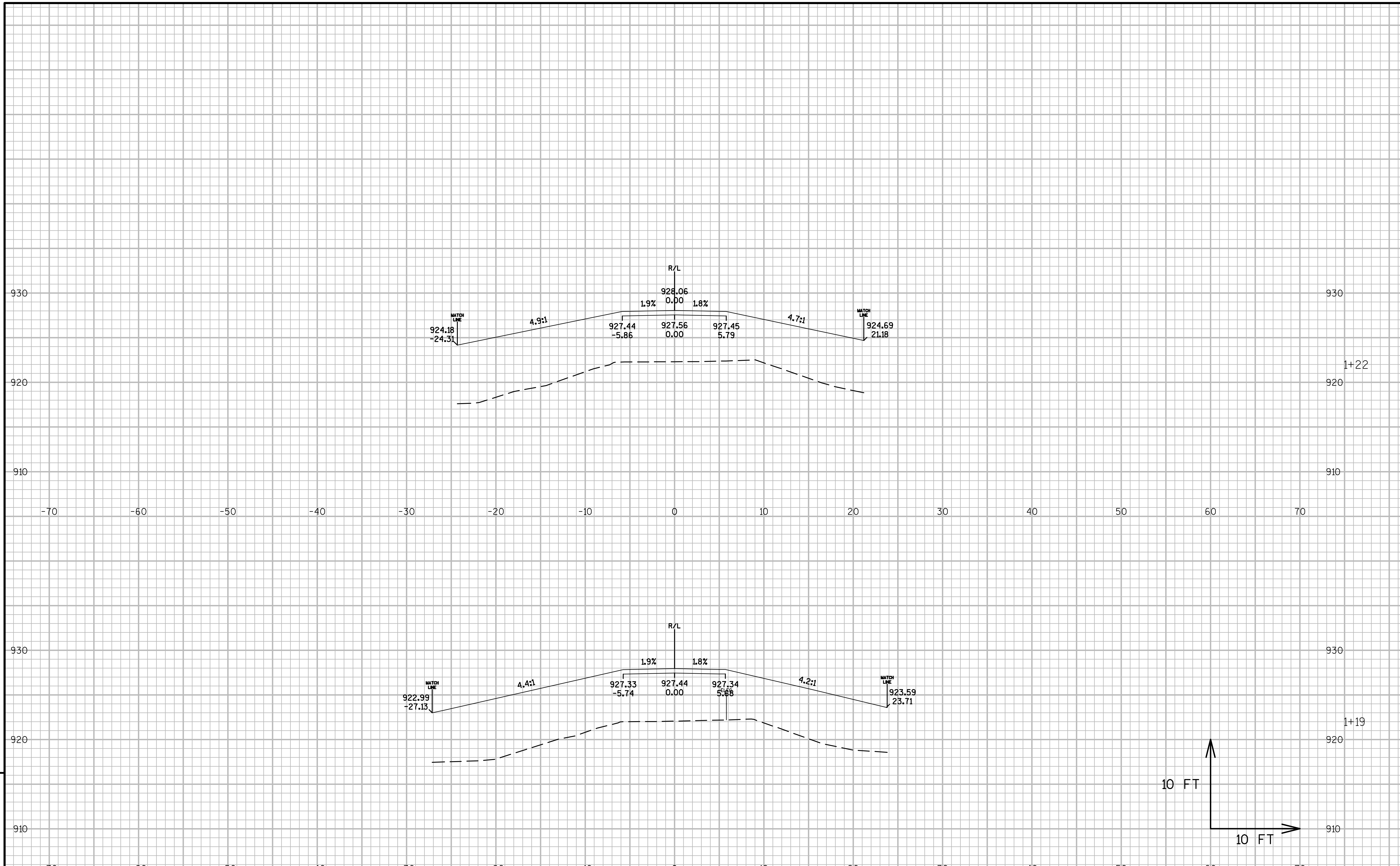
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE4'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 23+00 LT - (06)
PLOT DATE : 3/9/2017 5:52 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



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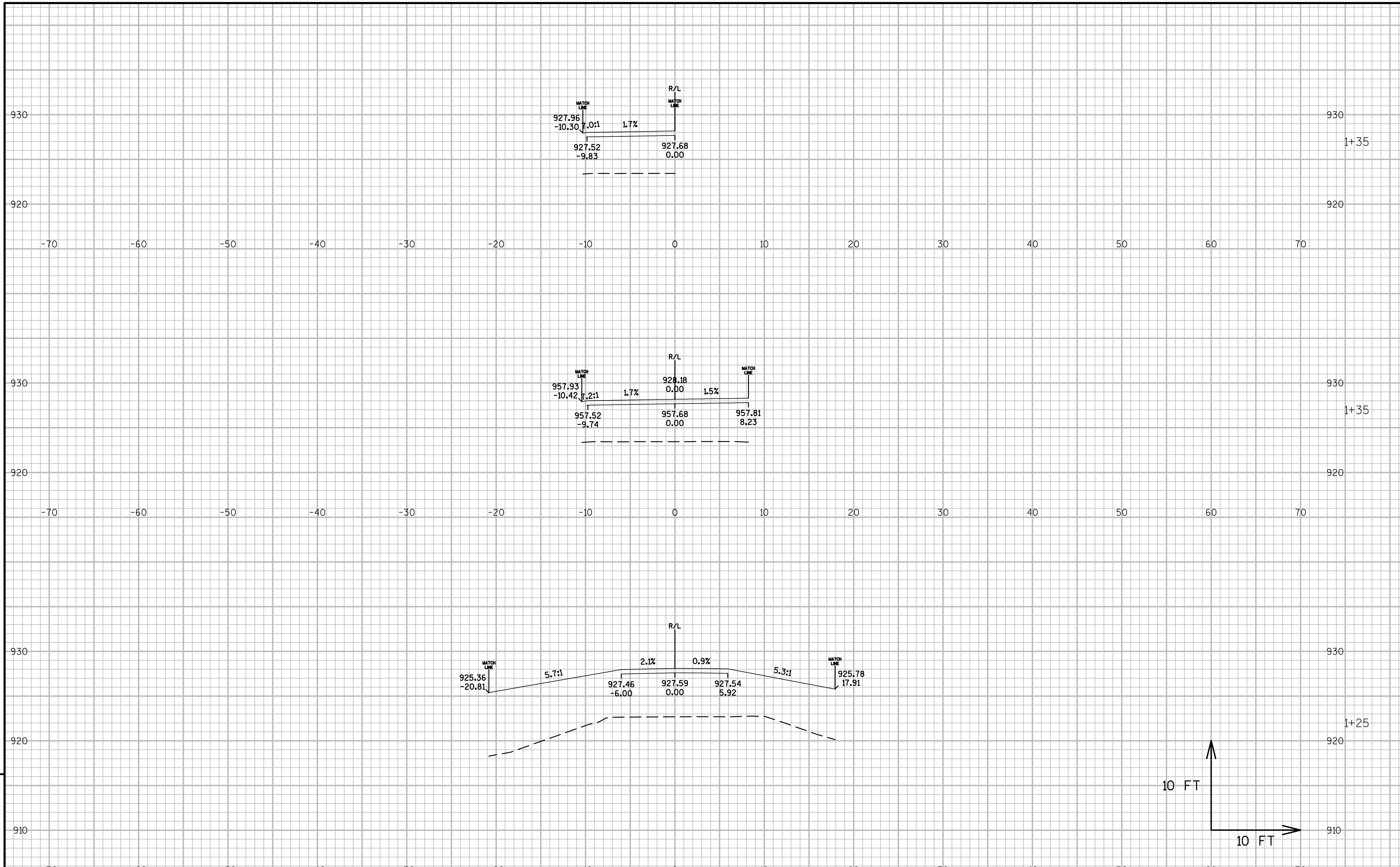
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE4'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 23+00 LT - (07)
PLOT DATE : 3/9/2017 5:52 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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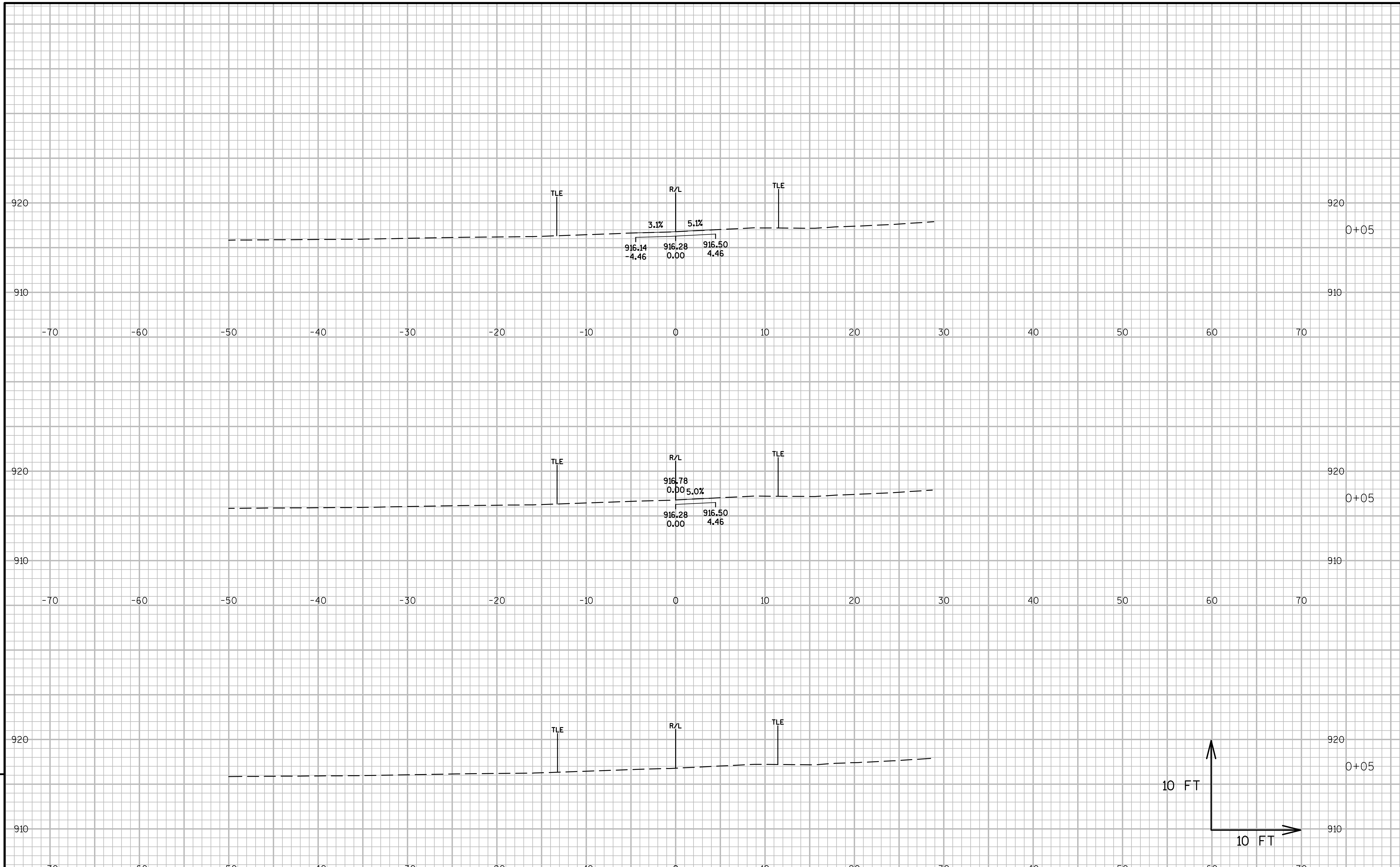
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE4'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 23+00 LT - (08)

PLOT DATE : 3/9/2017 5:52 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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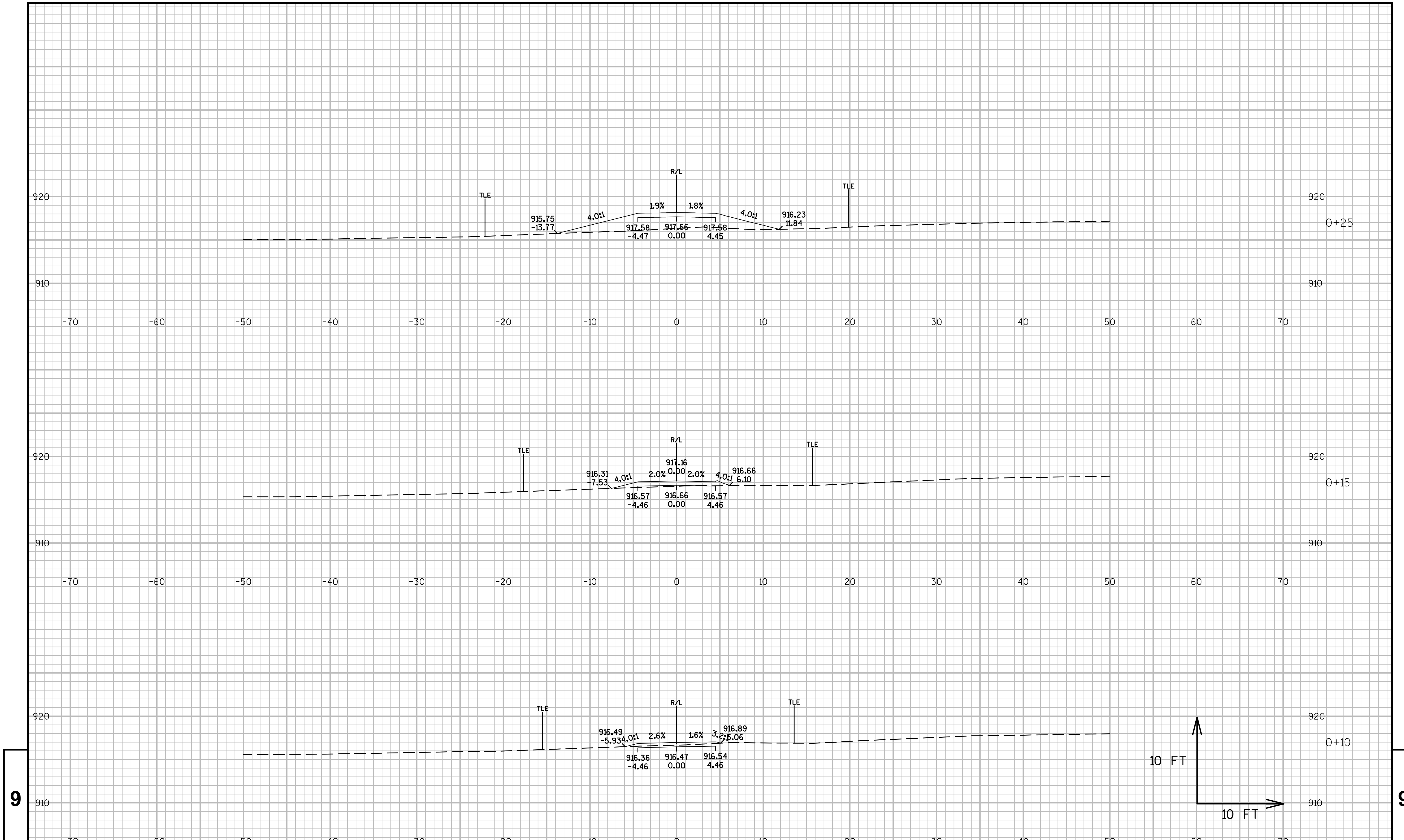
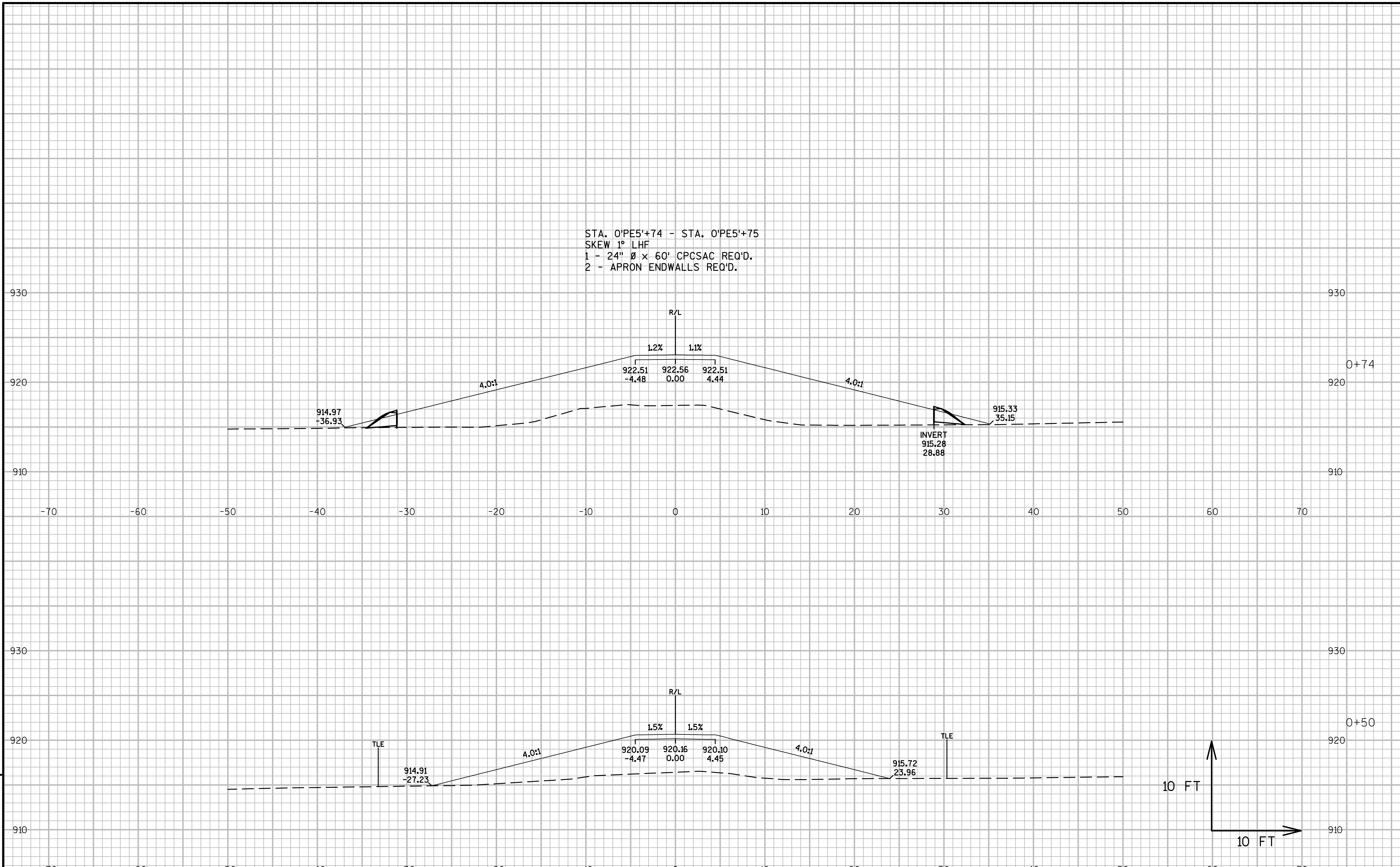
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE5'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 24+68 LT - (01)

PLOT DATE : 3/9/2017 5:52 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE5'	SHEET	E



PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE5'	SHEET	E

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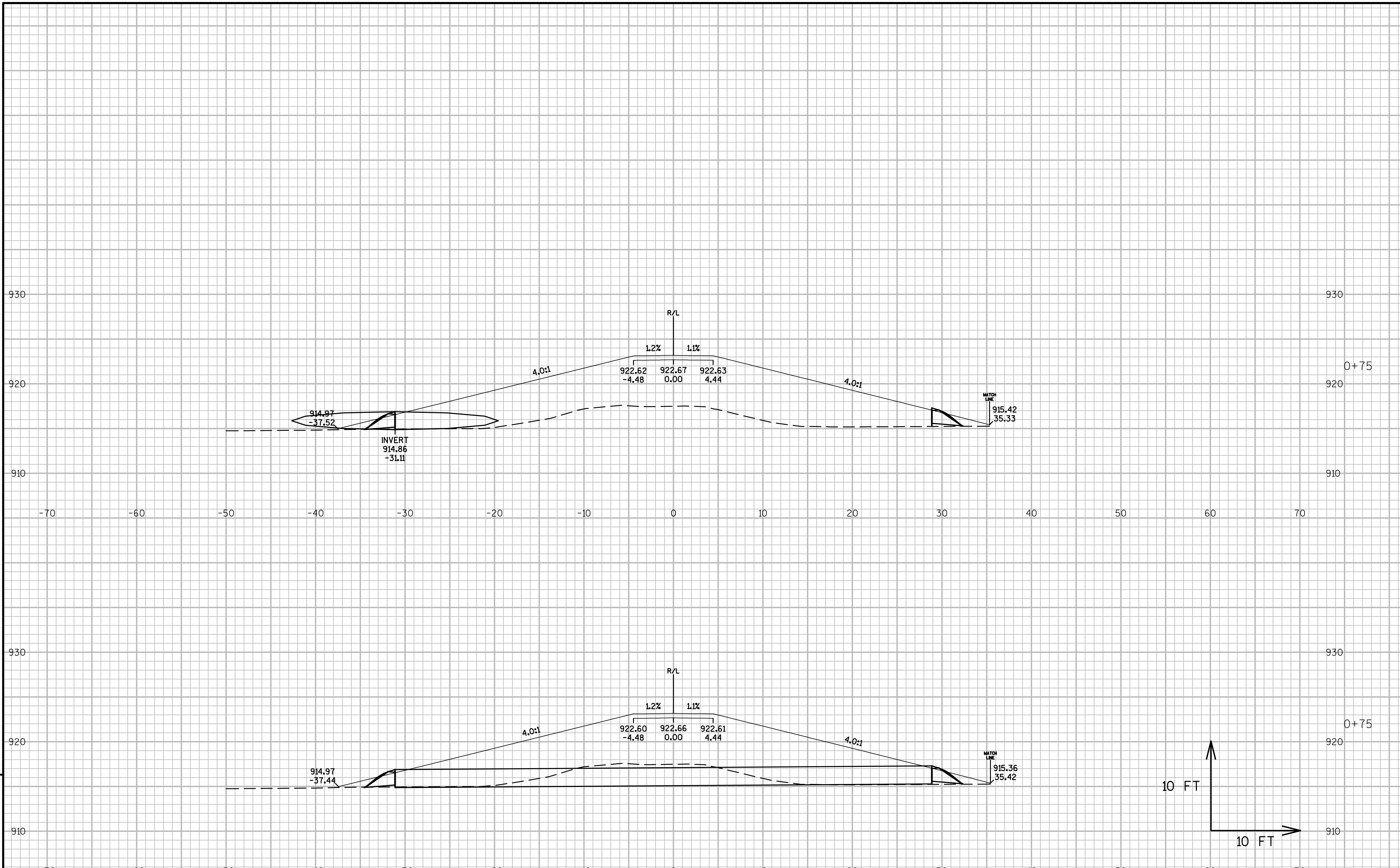
FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 24+68 LT - (03)
PLOT DATE : 3/9/2017 5:53 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1



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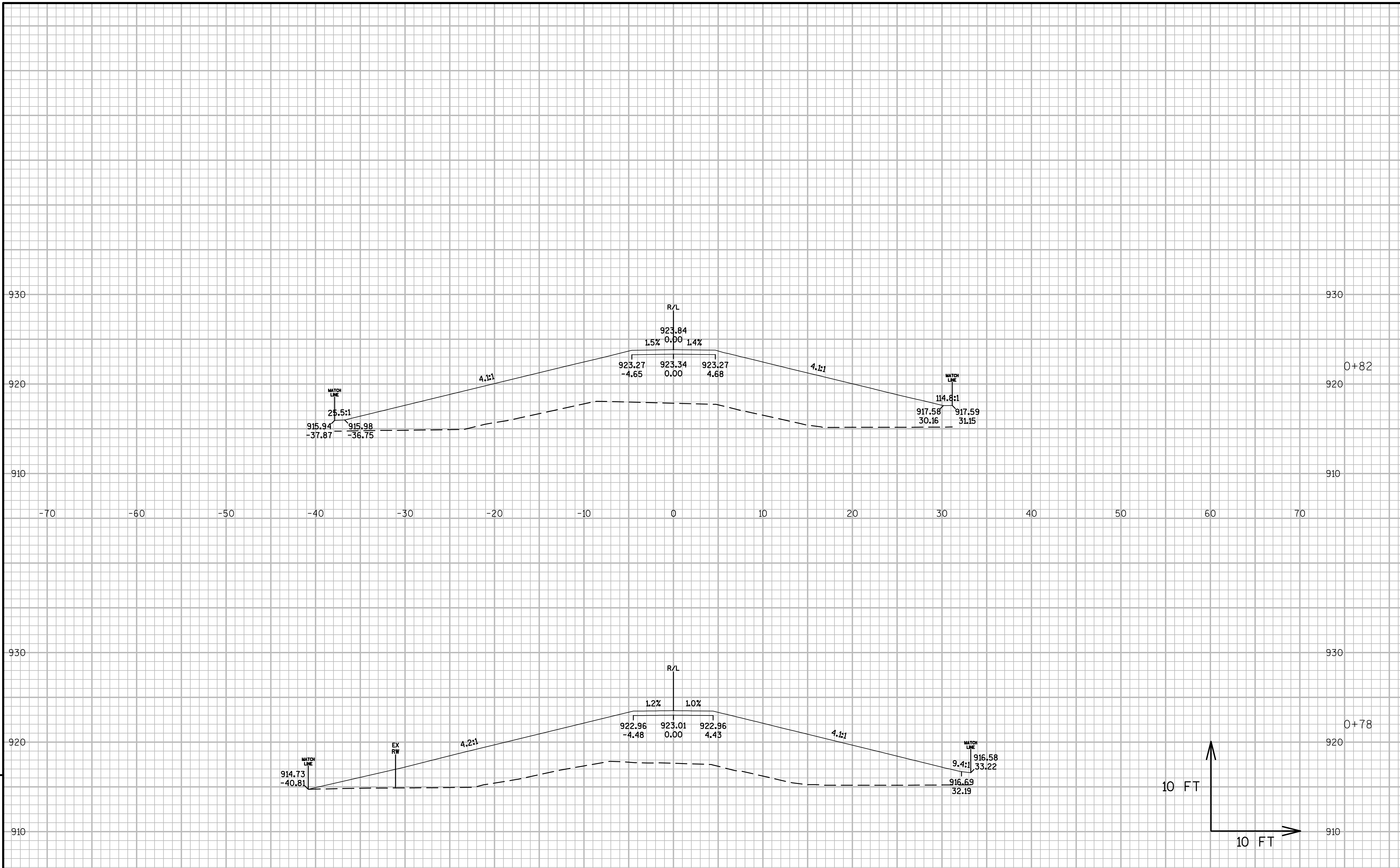
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE5'	SHEET E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 24+68 LT - (04)
PLOT DATE : 3/9/2017 5:53 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1



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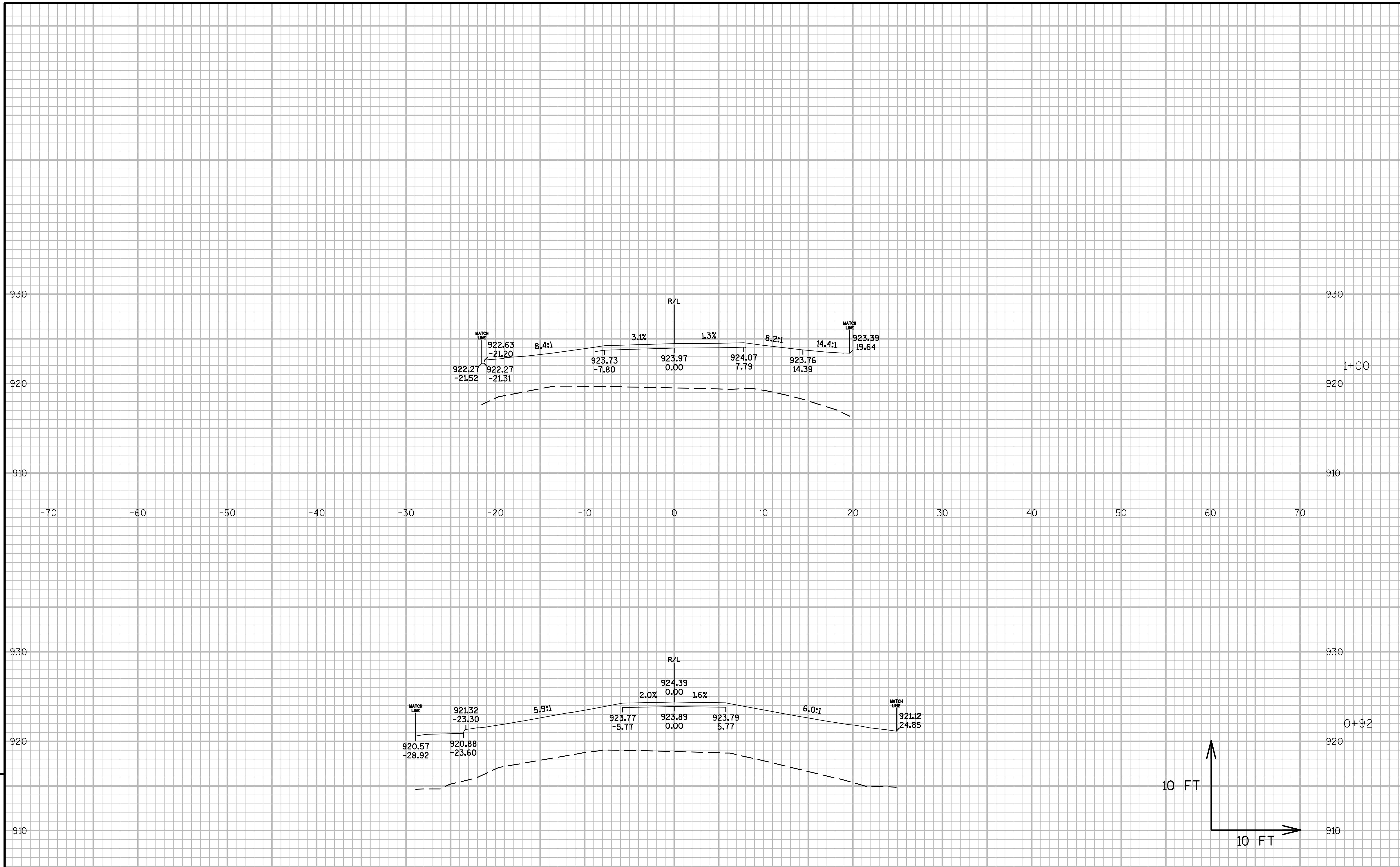
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE5'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 24+68 LT - (05)
PLOT DATE : 3/9/2017 5:53 PM
PLOT BY : BUDDEN, LUCAS J
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 49



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PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE5'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 24+68 LT - (06)
PLOT DATE : 3/9/2017 5:53 PM
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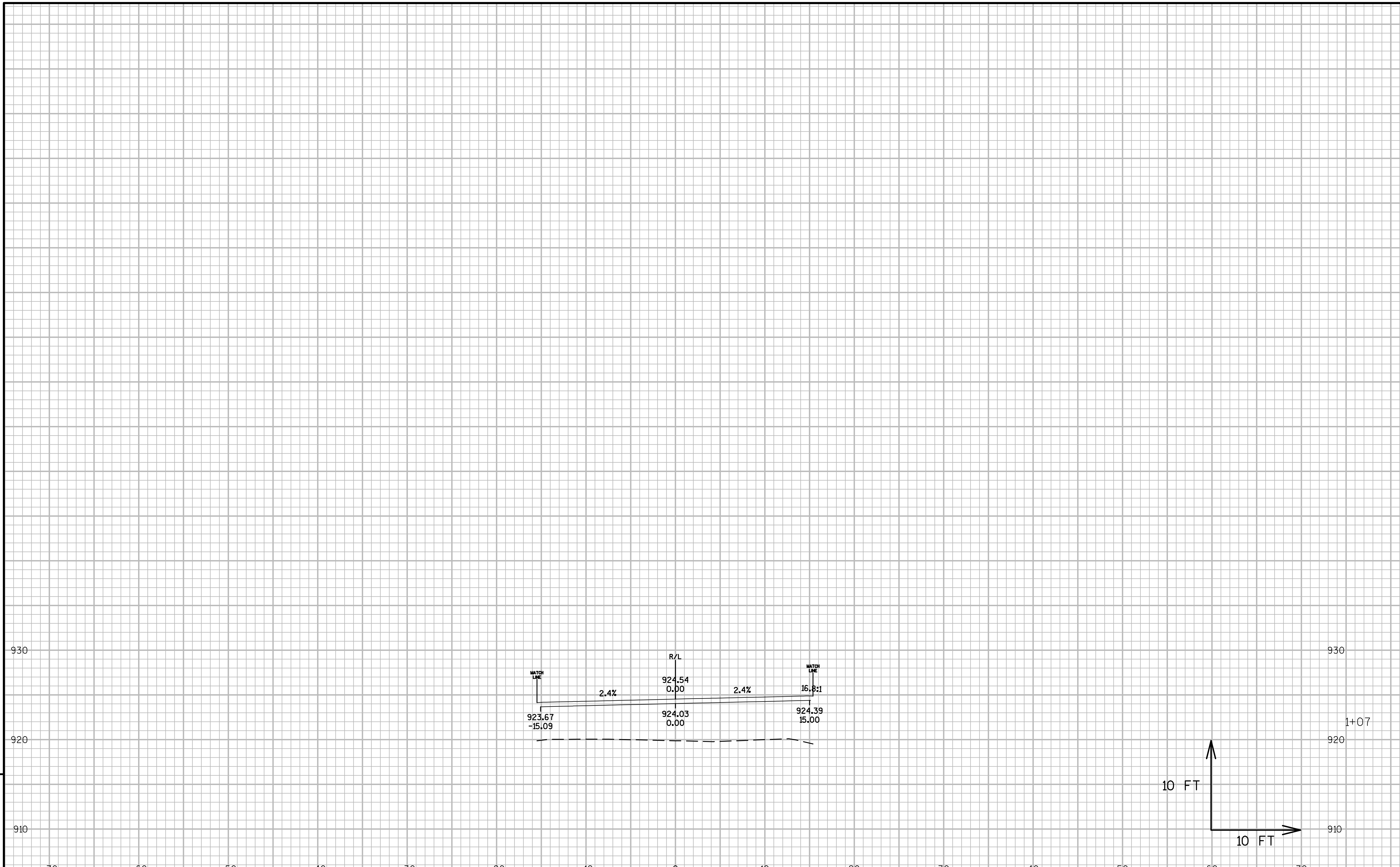
PLOT NAME :
PLOT SCALE : 1 IN:10 FT_1



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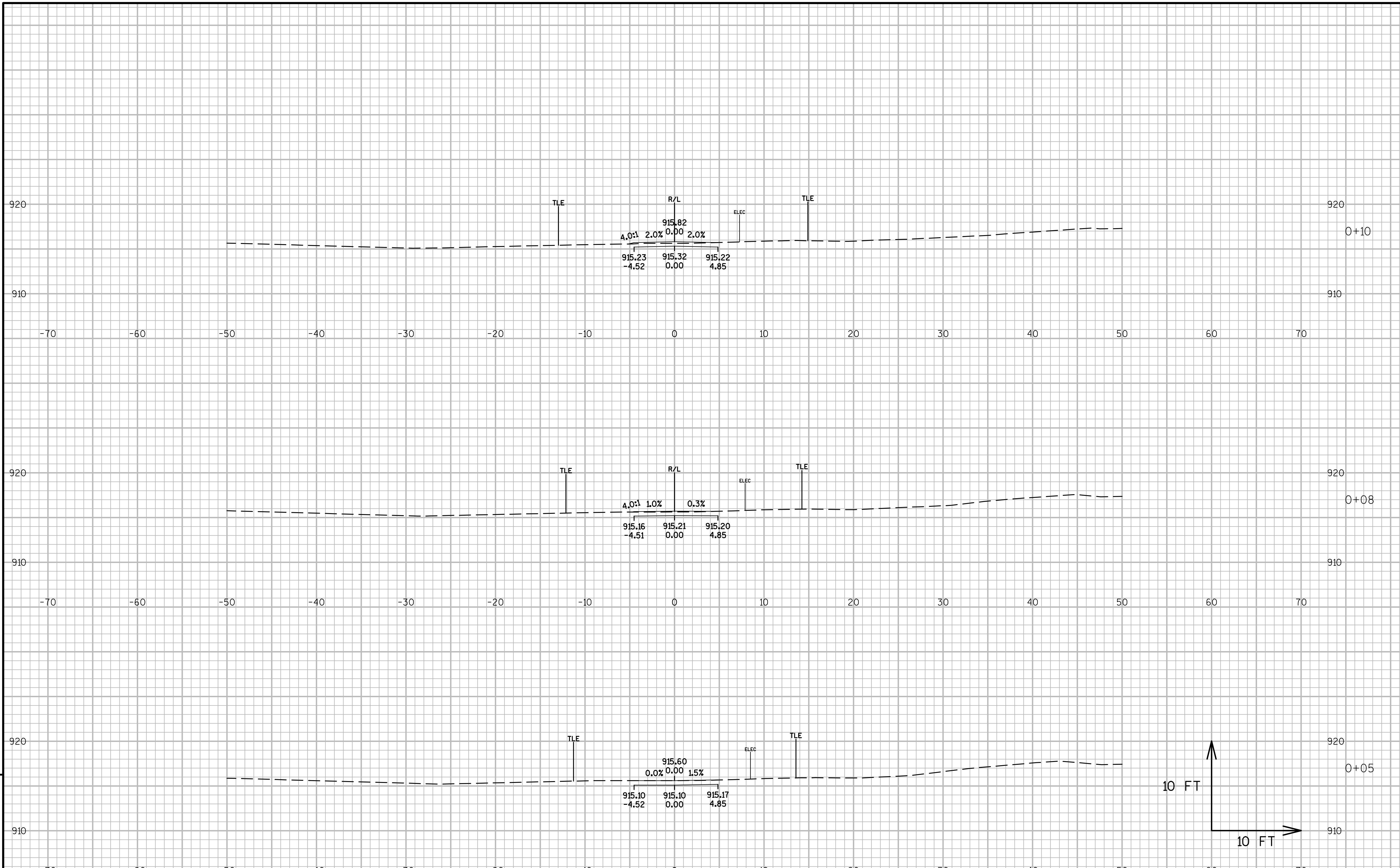
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE5'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 24+68 LT - (07)
PLOT DATE : 3/9/2017 5:53 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1

WISDOT/CADDS SHEET 49



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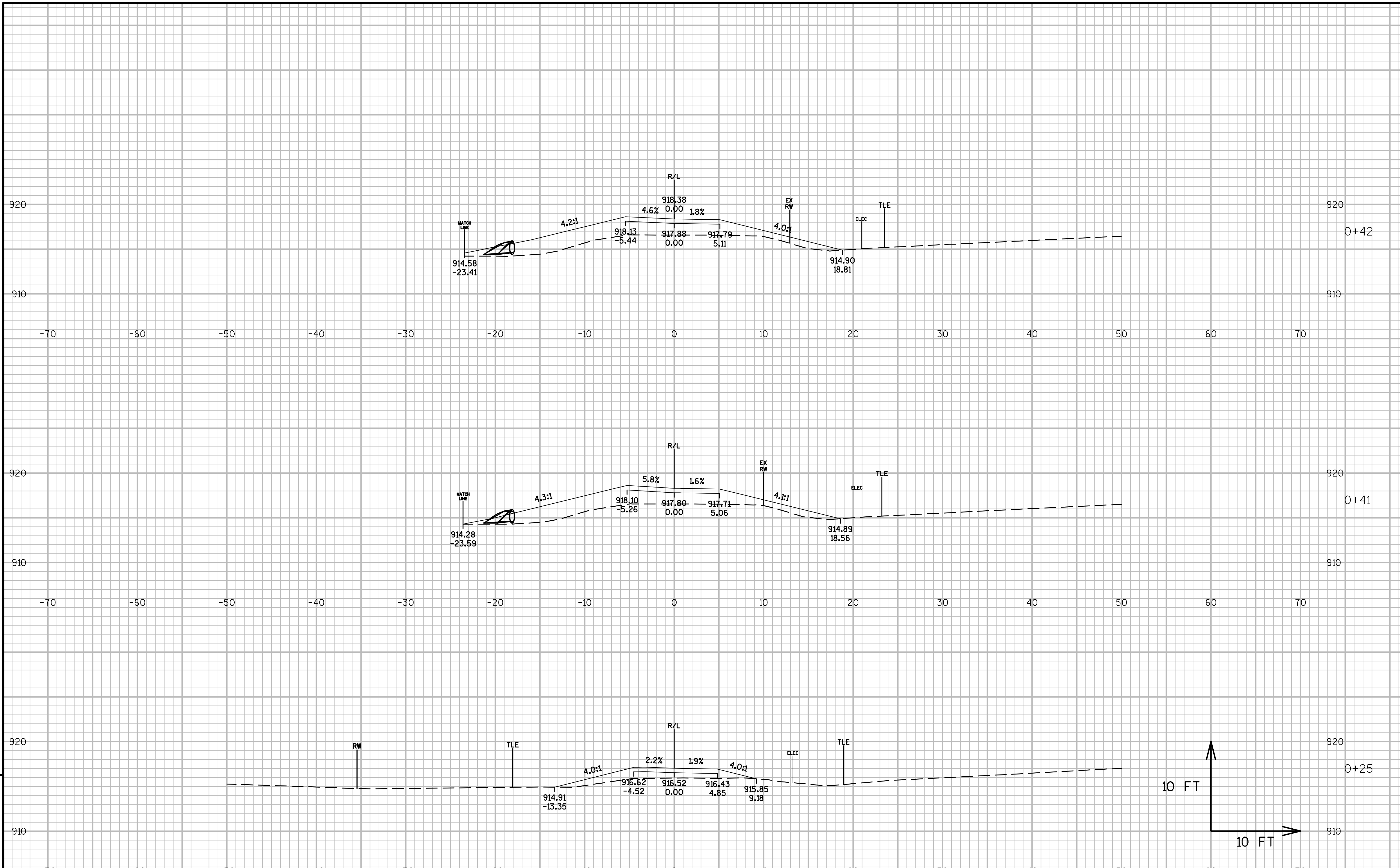
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE6'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 27+97 LT - (01)
PLOT DATE : 3/9/2017 5:53 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE6'	SHEET	E

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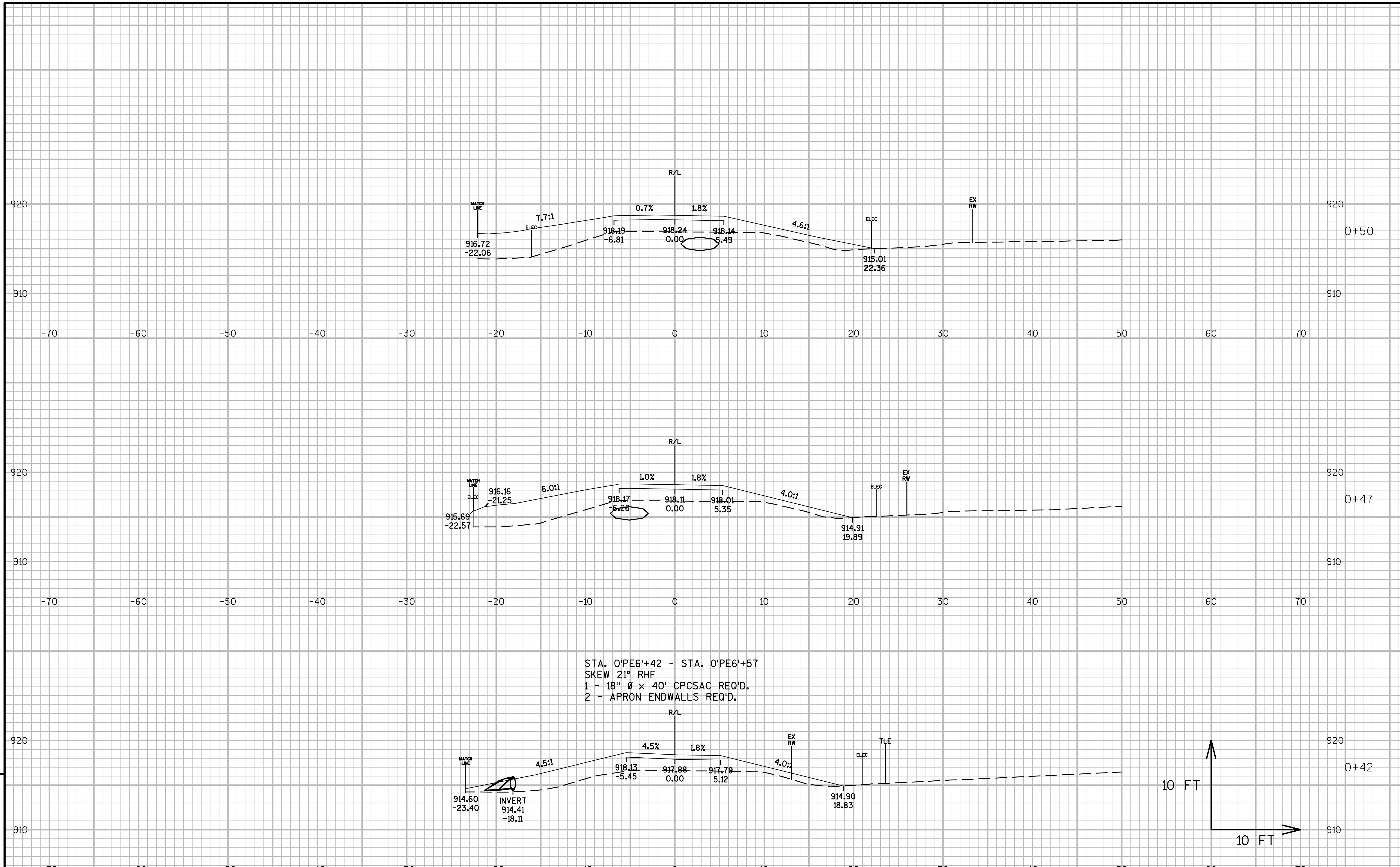

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PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:'PE6'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 27+97 LT - (03)

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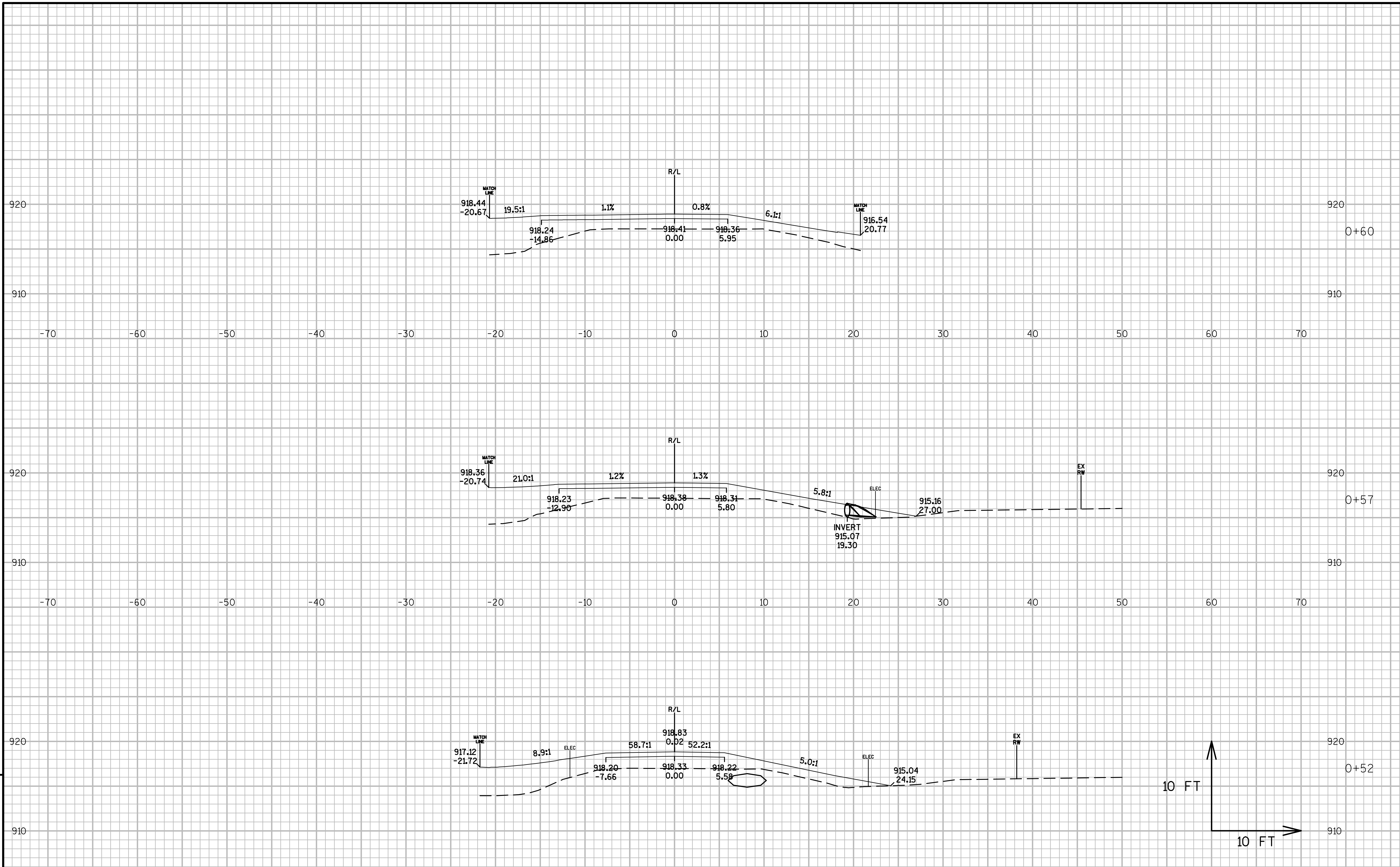

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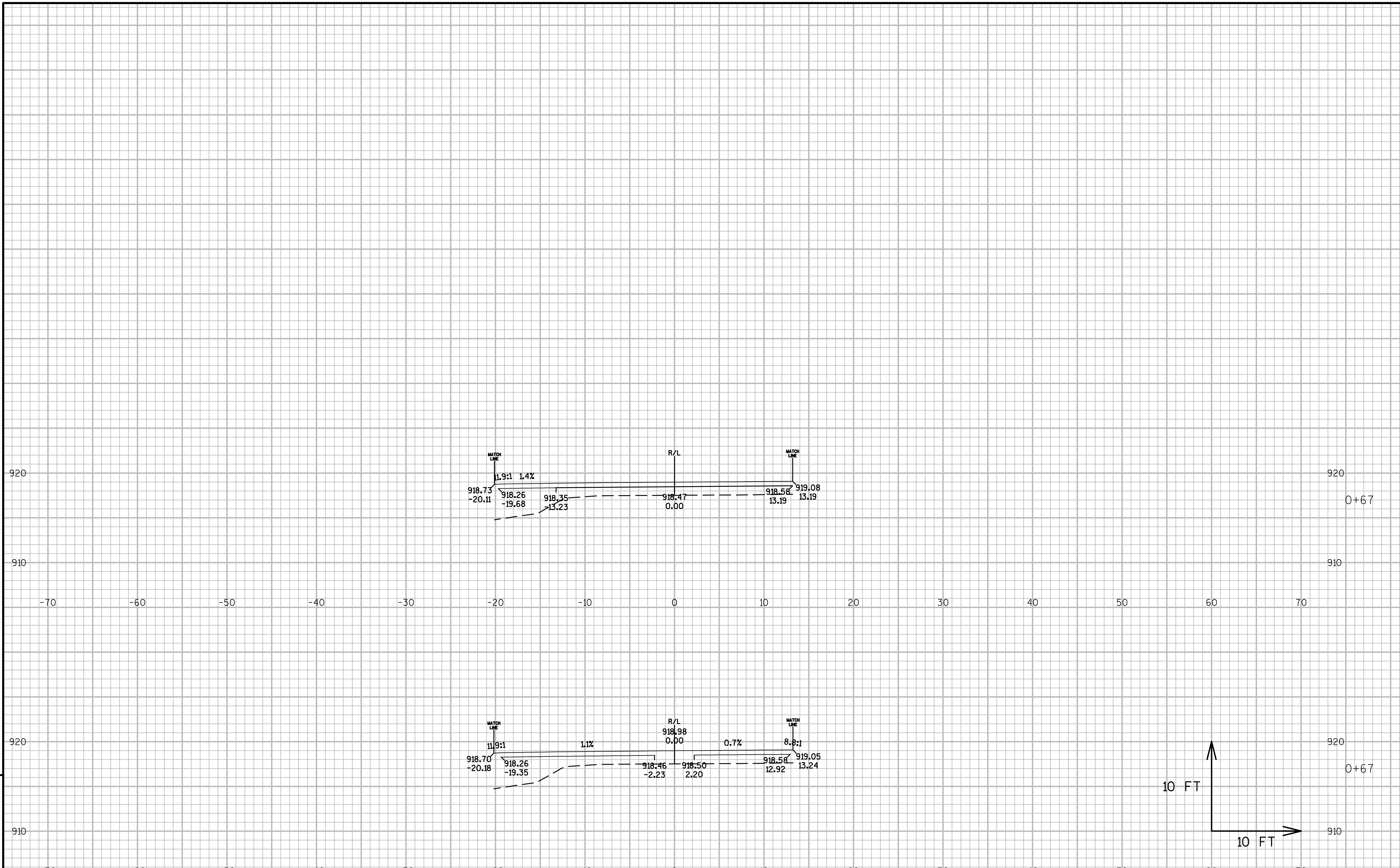
PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS:'PE6'	SHEET	E

FILE NAME : N:\PDS\C3D\10210304\SHEETSPLAN\090102-XS CTH I DWYS REVERSEDALIS.DWG
LAYOUT NAME - DWY STA 27+97 LT - (04)
PLOT DATE : 3/9/2017 5:54 PM PLOT BY : BUDDEN, LUCAS J PLOT NAME : PLOT SCALE : 1 IN:10 FT_1



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PROJECT NO:1021-03-74	HWY:IH 94	COUNTY:EAU CLAIRE	CROSS SECTIONS: 'PE6'	SHEET	E