

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	1
ILLINOIS CONTRACT NO. 78A11				

D-99-044-23

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-6

TRAFFIC DATA

ROADWAY CLASSIFICATION = MINOR ARTERIAL
DESIGN SPEED = 30 MPH
CURRENT ADT (2022) = 7600 EB
SU = 4%
MU = 2%

TOWNSHIPS

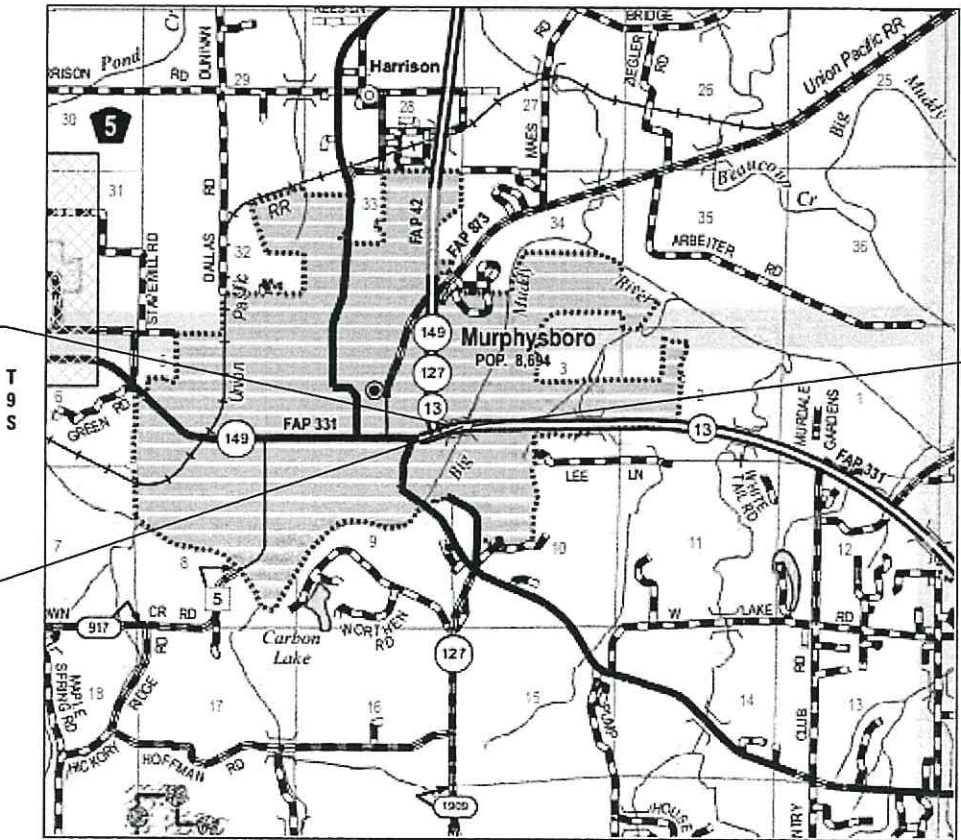
MURPHYSBORO

COORDINATE SYSTEM : STATE PLANE ZONE - ILLINOIS WEST
POSTED SPEED : 40 MPH

PROPOSED
HIGHWAY PLANS
ROUTE FAP 331 (IL 13)
SECTION (12-1)BRR-1
EASTBOUND MEDIAN CROSSOVER CONSTRUCTION
JACKSON COUNTY

C-99-061-23

R 2 W



BEGIN PROJECT
STA. 100 + 64.4

END PROJECT
STA. 112 + 50.8

BRIDGE OMISSION
STA. 102 + 20.3 TO
STA. 109 + 76.3

LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 1,186.4 FT. = 0.225 MILE
NET LENGTH = 430.4 FT. = 0.082 MILE



Collinsville
100 Lanier Court, Suite 1
Collinsville, IL 62234
618.345.2200
Belleville
20 East Main Street
Belleville, IL 62200
618.416.4688
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

St. Louis
720 Olive, Suite 700
St. Louis, MO 63101
314.588.8381
St. Charles
330 North Main, Suite 201
St. Charles, MO 63301
636.493.6277

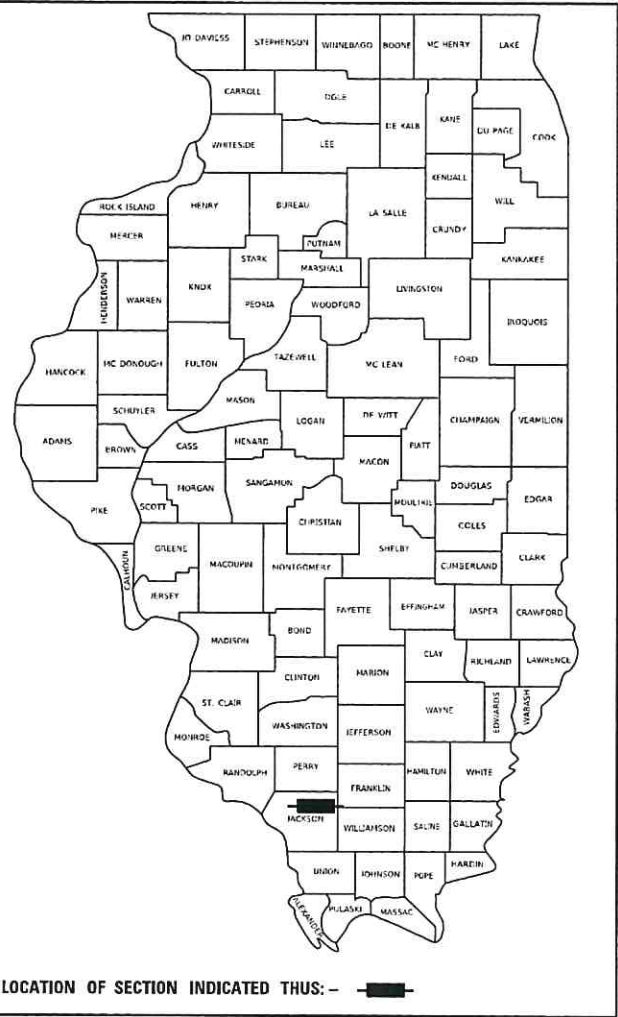
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: EHREN KIRBY

CONTRACT NO. 78A11



Bill Tindall 5/12/23
BILL TINDALL, P.E.
License Expires 11/30/2023



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED _____ 20 _____

REGION FIVE ENGINEER

20 _____
ENGINEER OF DESIGN AND ENVIRONMENT

20 _____
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL Default
FILE Name: I:\0222064 - IDOT PTB 203 Item 49 District 9 VAV222064.007 - IL 13 over Big Huddy\CADD\Microstation\CADD Drawings\0222064.007-sht-01signature.dgn



O A T E S
ASSOCIATES
www.oatesassociates.com

ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = ryne.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/11/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	2
		CONTRACT NO. 78A11		
		ILLINOIS	FED. AID PROJECT	

Prepared By: _____
DISTRICT STUDIES & PLANS ENGINEER

Examined By: _____
DISTRICT LAND ACQUISITION ENGINEER

Examined By: _____
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: _____
DISTRICT OPERATIONS ENGINEER

Examined By: _____
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: _____
DISTRICT CONSTRUCTION ENGINEER

Examined By: _____
DISTRICT MATERIALS ENGINEER

INDEX OF SHEETS

1	COVER SHEET
2	SIGNATURE SHEET
3	GENERAL NOTES & HIGHWAY STANDARDS
4-6	SUMMARY OF QUANTITIES
7	TYPICAL SECTIONS
8	SCHEDULES
9	ALIGNMENTS TIES AND BENCHMARKS
10-11	PLAN AND PROFILE SHEETS
12-13	WARPING DETAILS
14	ELEVATION AND OFFSET DATA
15-17	CONSTRUCTION DETAILS
18-22	CROSS SECTIONS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
420101-07	24' JOINTED PCC PAVEMENT
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

GENERAL NOTES

1. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT

2.016 TONS/CU. YD.

ALL AGGREGATE

2.05 TONS/CU. YD.
2. TRENCH BACKFILL REQUIRED FOR STORM SEWER, SANITARY SEWER, OR WATER MAINS SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.
3. AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.
4. EXISTING PIPE UNDERDRAIN OUTLETS IN THE FORESLOPES OR MEDIAN SLOPES SHALL BE PRESERVED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO AN UNDERDRAIN OUTLET RESULTING FROM CONSTRUCTION ACTIVITY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

COMMITMENTS

NONE

MODEL Default
FILE Name: I:\0222064 - IDOT PTB 203 Item 49 District 9 VAV222064.007 - IL 13 over Big Hussy\CADD\Microstation\CADD Drawings\0222064.007-sht-general notes.dgn



OATES

ASSOCIATES

www.oatesassociates.com

ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = ryne.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/11/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & HIGHWAY STANDARDS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	3
CONTRACT NO. 78A11				
		ILLINOIS	FED. AID PROJECT	

MODEL Default
FILE NAME: I:\0222064 - IDOT PTB 203 Item 49 District 9 V&V222064.007 - IL 13 over Big Muddy\CADD\Microstation\CADD Drawings\0222064.007-sht-500.dgn

COUNTY	JACKSON
ROUTE	FAP 331 (IL 13)
FUNDING	100% STATE
LOCATION	URBAN
TOTAL QUANTITY	
	ROADWAY
	CTC-0004
120	120
19	19
60	60
0.07	0.07
0.07	0.07
6	6
6	6
6	6
0.14	0.14
0.07	0.07
195	195
7	7
3	3
487	487



OATES

ASSOCIATES

www.oatesassociates.com

ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = rylene.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/11/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 1	OF 3	SHEETS
TO STA.			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	4
CONTRACT NO. 78A11				
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: T:\V222064 - IDOT PTB 203 Item 49 District 9 VV\222064.007 - IL 13 over Big Muddy\CADD\Microstation\CADD Drawings\222064.007-sht 500.dgn

CODE NO.	ITEM	UNIT	COUNTY	JACKSON
			ROUTE	FAP 331 (IL 13)
			FUNDING	100% STATE
			LOCATION	URBAN
			TOTAL QUANTITY	
				ROADWAY
				CTC-0004
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	412	412
42001300	PROTECTIVE COAT	SQ YD	412	412
44004250	PAVED SHOULDER REMOVAL	SQ YD	14	14
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	98	98
54248510	CONCRETE COLLAR	CU YD	0.24	0.24
54262712	METAL FLARED END SECTIONS 12"	EACH	3	3
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	428	428
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
67100100	MOBILIZATION	L SUM	1	1
70100315	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	EACH	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28



OATES
ASSOCIATES
www.oatesassociates.com

ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0004 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/15/2023	DATE -	REVISED -

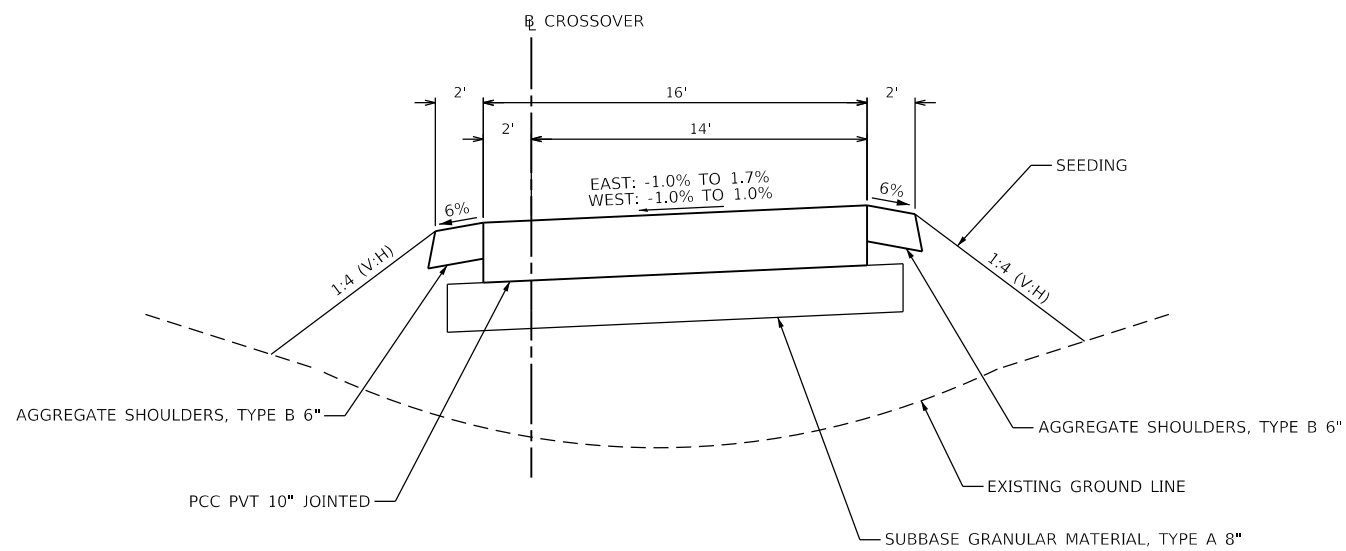
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

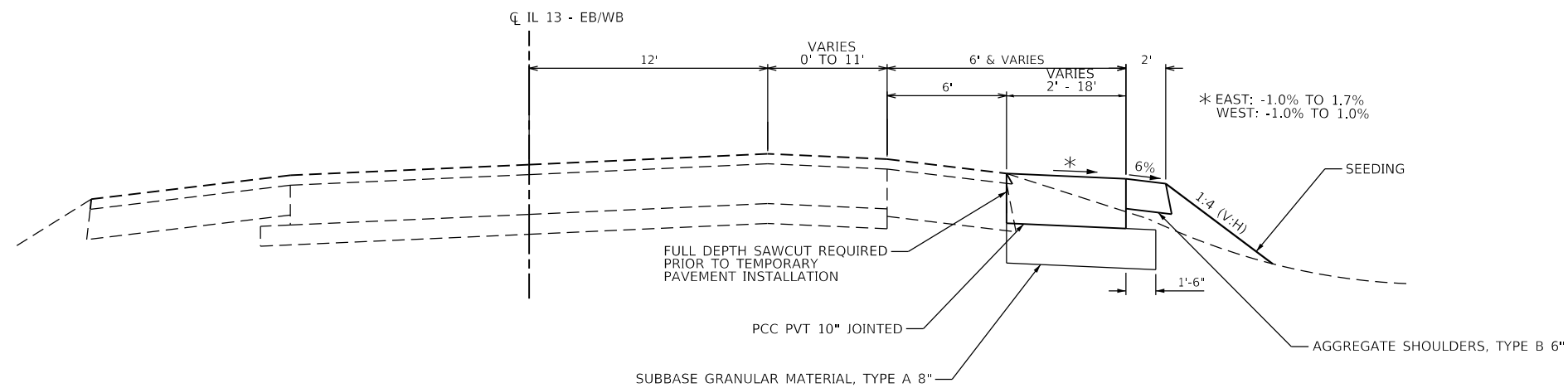
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	5
CONTRACT NO. 78A11				
ILLINOIS FED. AID PROJECT				

[illegible]



CROSSOVER SECTION B

STA 101+24.0 TO STA 101+28.2
STA 111+32.3 TO STA 111+38.2



CROSSOVER SECTION A

STA 100+64.4 TO STA 101+24.0
STA 101+28.2 TO STA 102+20.3
STA 109+76.3 TO STA 111+32.3
STA 111+38.2 TO STA 112+50.3

MODEL Default
FILE Name: I:\0222064 - IDOT PTB 203 Item 49 District 9 VAV222064.007 - IL 13 over Blg Hudy/CADD/Microstation/CADD Drawings\0222064.007-sht-Typicals.dgn

USER NAME = rylene.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/12/2023	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	7
CONTRACT NO. 78A11				
ILLINOIS FED. AID PROJECT				

MODEL Default
FILE Name: 100222064 - IDOT PTB 203 Item 49 District 9 VAV222064.007 - IL 13 over Blg Hudy/CADD/Microstation/CADD Drawings/100222064.007-sht-schedule.dgn

EARTHWORK SCHEDULE

STATION	STATION	EARTH EXCAVATION	AVERAGE SHRINKAGE FACTOR	EARTH EXCAVATION (ADJUSTED)	EMBANKMENT	EARTHWORK BALANCE		REMARKS
		(CU YD)	(%)	(CU YD)	(CU YD)	EXCAVATION REQUIRED TO COMPLETE	EXCESS EXCAVATION	
100+28	102+34	55	25	40	10		30	
109+44	113+01	65	25	50	55	5		
TOTAL		120						

SEEDING SCHEDULE

STATION	STATION	O/S	SEEDING CL 2	SEEDING CL 7	NITROGEN FERT NUTR	PHOSPHORUS FERT NUTR	POTASSIUM FERT NUTR	AGR GROUND LIMESTONE	MULCH METHOD 2	TEMP EROS CONTR SEED
			(ACRE)	(ACRE)	(POUND)	(POUND)	(POUND)	(TON)	(ACRE)	(POUND)
100+63	102+23	CTR	0.02	0.02	2	2	2	0.04	0.02	2
109+70	112+54	CTR	0.05	0.05	4	4	4	0.10	0.05	5
TOTAL			0.07	0.07	6	6	6	0.14	0.07	7

DRAINAGE SCHEDULE

STATION	STATION	O/S	TRENCH BACKFILL	GRADING & SHAP DITCH	CONCRETE COLLAR	METAL FL END SEC 12"	STORM SEW CL B 1 12	MAN TA 4 DIA T1F CL	STORM SEW CONNECTION
			(CU YD)	(FOOT)	(CU YD)	(EACH)	(FOOT)	(EACH)	(EACH)
100+43	102+35	CTR	10	20		1	170		1
109+50	112+75	CTR	9	40	0.24	2	258	1	1
TOTAL			19	60	0.24	3	428	1	2

EROSION SCHEDULE

STATION	STATION	O/S	EROSION CONTR BLANKET	INLET & PIPE PROTECT
			(SQ YD)	(EACH)
100+63	101+24	RT	15	1
101+28	102+23	LT	45	
109+70	111+38	LT	98	1
111+32	112+55	RT	37	1
TOTAL			195	3

PAVEMENT SCHEDULE

STATION	STATION	OFFSET	SUB GRAN MAT A 8	PCC PVT 10 JOINTED	PROTECTIVE COAT	PAVED SHLD REMOVAL	AGGREGATE SHLDS B 6
			(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
100+63	102+22	CTR	176	149	149	14	35
109+74	112+53	CTR	311	263	263		63
TOTAL			487	412	412	14	98



OATES

ASSOCIATES

www.oatesassociates.com

ILLINOIS DESIGN FIRM LICENSE NO.:

184.001115

USER NAME = breanna.frahm	DESIGNED -	REVISED - 5/22/2023
	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/22/2023	DATE -	REVISED -

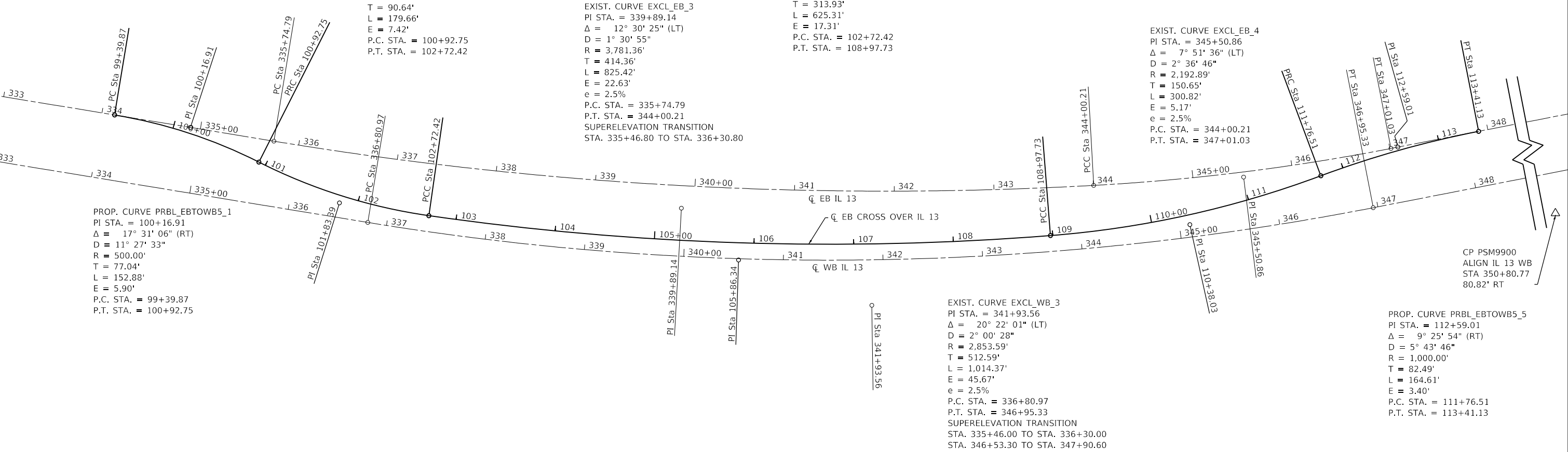
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	8
CONTRACT NO. 78A11				
		ILLINOIS	FED. AID PROJECT	

MODEL Default
FILE Name: I:\0222064 - IDOT P1B 203 Item 49 D1erict 9 VAV2222064.007 - IL 13 over Big Muddy/CADD/Microstation/CADD Drawings\09222064.007-sht-A1E.dgn



DESCRIPTION	NORTHING	EASTING
IL ROUTE 13 EB		
POT STA 329+00.00	401,159.054	2,541,681.422
PC STA 335+74.79	401,149.484	2,541,006.705
PI STA 339+89.14	401,143.607	2,540,592.387
PCC STA 344+00.21	401,048.145	2,540,042.579
PI STA 345+50.86	401,013.439	2,540,042.579
PT STA 347+01.03	400,959.010	2,539,902.106
POT STA 351+99.38	400,778.962	2,539,437.422

DESCRIPTION	NORTHING	EASTING
IL ROUTE 13 WB		
POT STA 329+00.00	401,224.247	2,541,680.497
PC STA 336+80.97	401,213.171	2,540,899.610
PI STA 341+93.56	401,205.901	2,540,387.071
PT STA 346+95.33	401,020.706	2,539,909.103
POT STA 352+22.49	400,830.247	2,539,417.551

DESCRIPTION	NORTHING	EASTING
PR CROSSOVER		
PC 99+39.87	401,151.781	2,541,168.680
PI STA 100+16.91	401,150.688	2,541,091.648
PRC STA 100+92.75	401,172.834	2,541,017.860
PI STA 101+83.39	401,198.889	2,54,0931.046
PCC STA 102+72.42	401,195.709	2,540,840.462
PI STA 105+86.34	401,184.688	2,540,526.728
PCC STA 108+97.73	401,105.354	2,540,222.990
PI STA 110+38.03	401,069.898	2,540,087.242
PRC STA 111+76.51	400,998.455	2,539,966.492
PI STA 112+59.01	400,956.449	2,539,895.495
PT STA 113+41.13	400,926.645	2,539,818.574

NOTE:
HORIZONTAL CONTROL HAS NOT BEEN VERIFIED SINCE JULY 2022. SIGNIFICANT MOVEMENT WAS FOUND BETWEEN FEBRUARY 2022 AND JULY 2022. PLEASE USE PSM9900 AS A CHECK FOR ALL CONSTRUCTION POINTS.

CP PSM9900 IS LOCATED AT NORTHWEST QUADRANT OF N 2ND ST & WALNUT ST INTERSECTION.
NORTHING 401127.154
EASTING 2540396.950
ELEV 353.504



USER NAME = bill.tindall	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/16/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

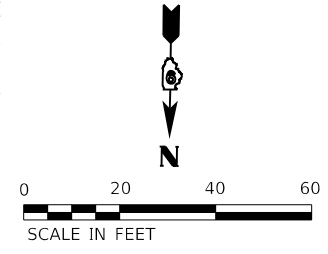
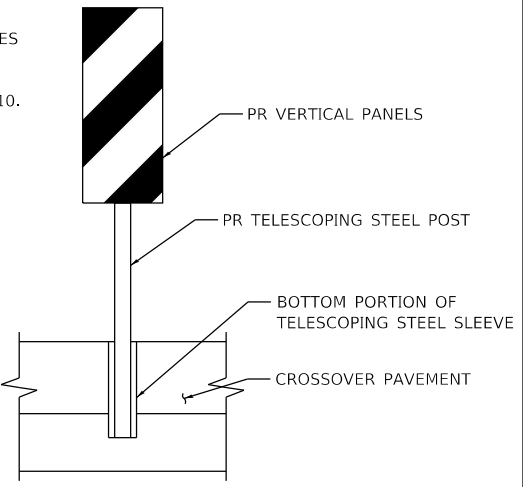
ALIGNMENTS, TIES AND BENCHMARKS

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	9
CONTRACT NO. 78A11				
ILLINOIS FED. AID PROJECT				

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK _____	GRADES CHECKED _____		
NO. _____	B.M. NOTED _____		
	STRUCTURE NOTATIONS CHKD _____		

MODEL: EAST

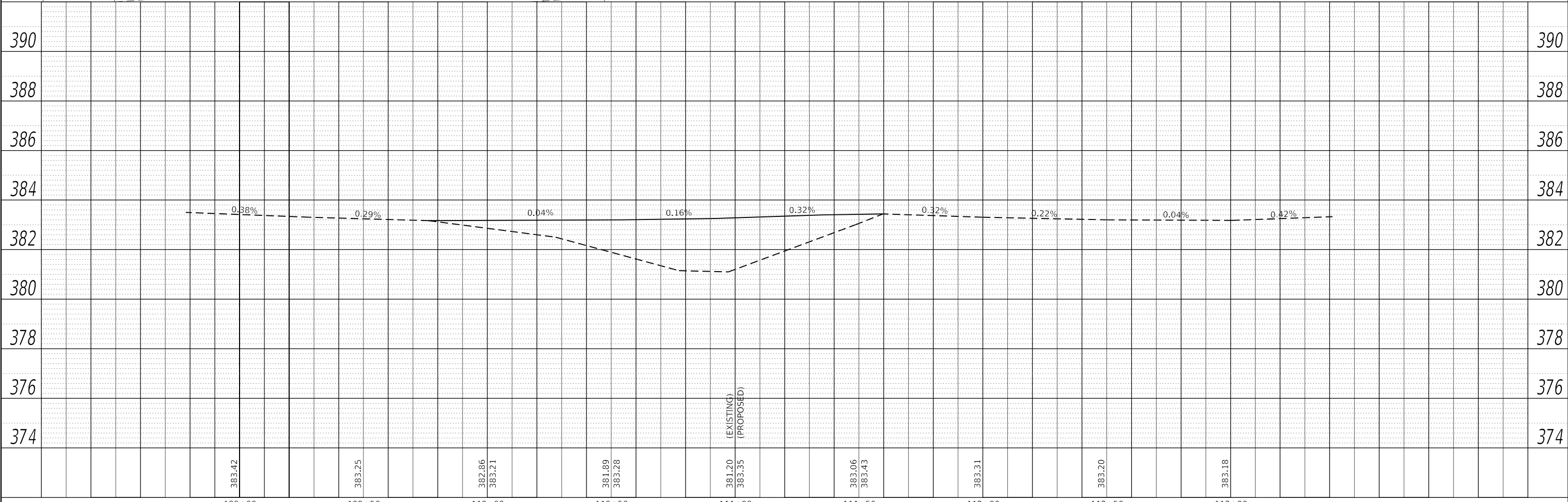
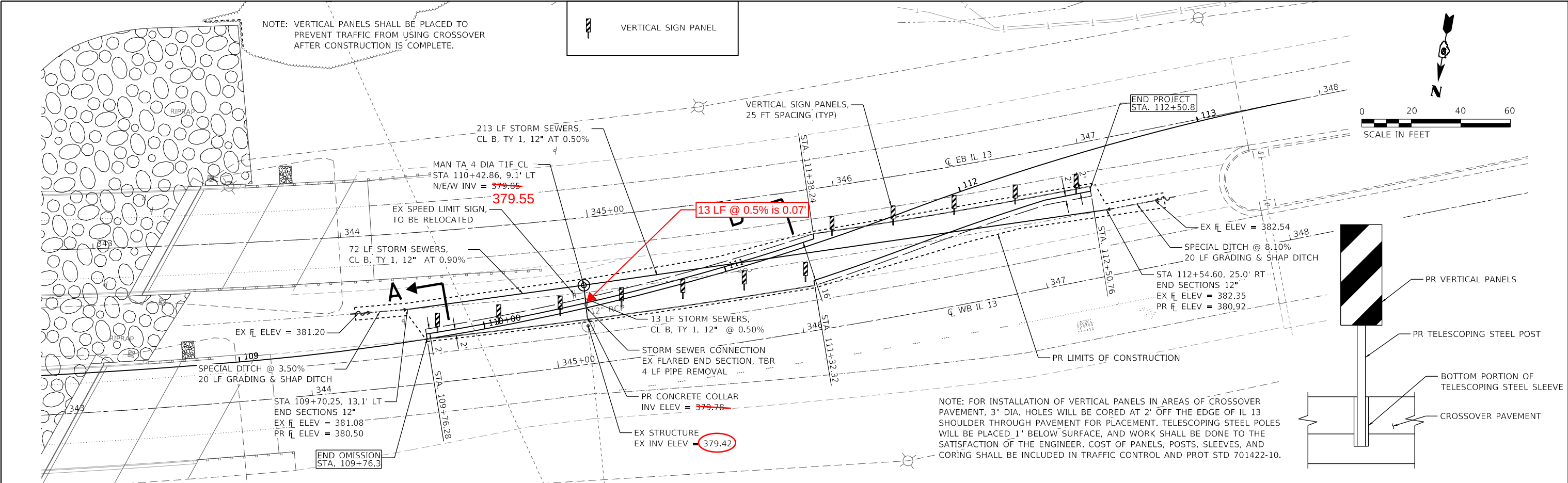


 OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115	USER NAME = ryne.wirtjes	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EASTERN CROSSOVER PLAN AND PROFILE SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -					331	(12-1)BRR-1	JACKSON	22	10
	PLOT DATE = 5/11/2023	DATE -	REVISED -		SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 100+64.42 TO STA. 102+20.26			CONTRACT NO. 78A11				
								ILLINOIS FED. AID PROJECT				

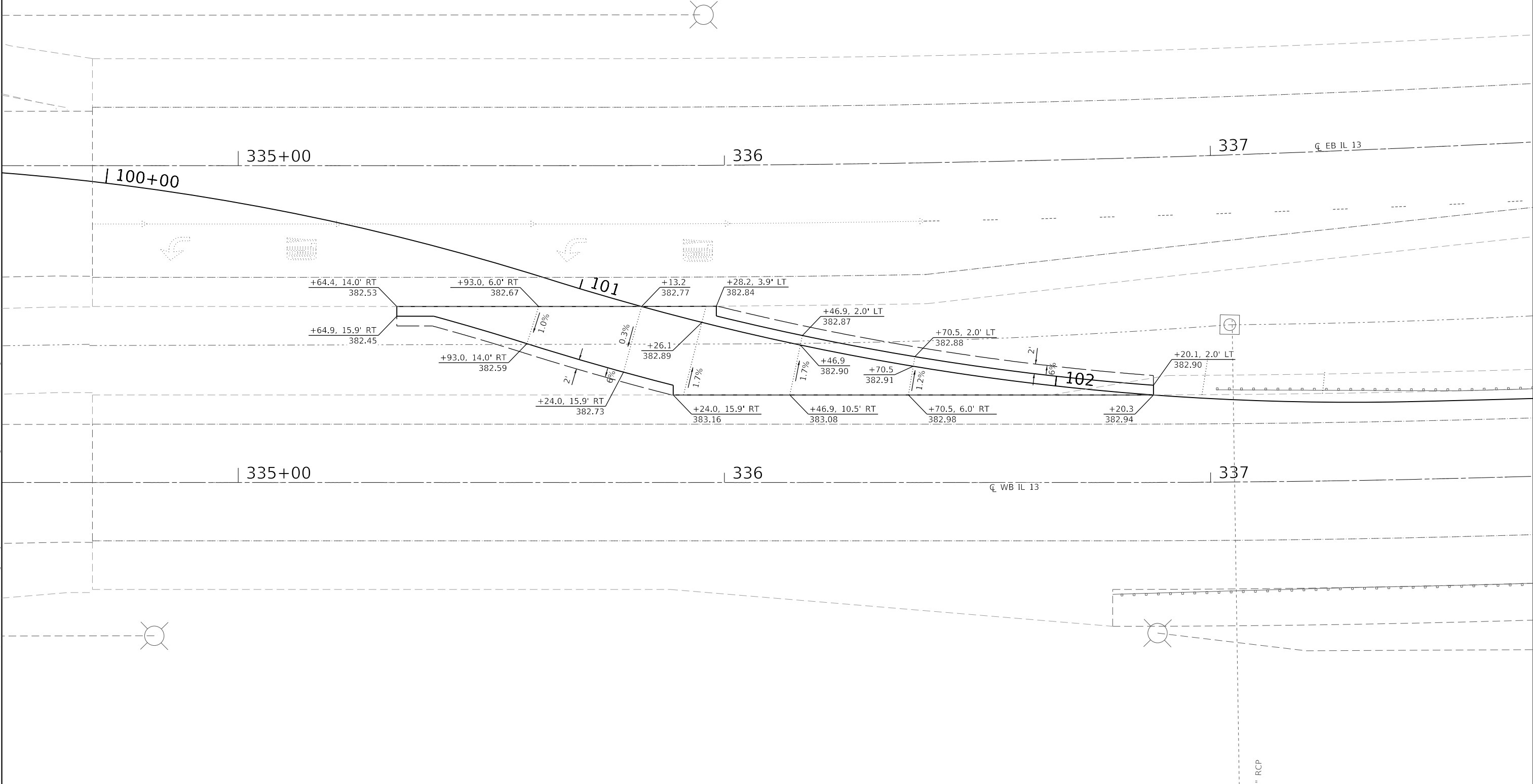
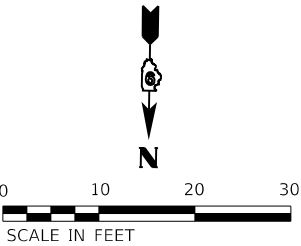
PLAN	SURVIVED	BY	DATE
NO.	PLOTTED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATION CHNG		

PROFILE	SURVIVED	BY	DATE
NO.	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATION CHNG		

MODEL WEST
FILE NAME: H:\222064 - IDOT PTB 203 Item 49 Dir-let 9 V-AV222064.007 - IL 13 over Big Muddy\CAD\DWG\Microstation\CADD Drawings\222064.007-SH-cadd.mxd



109+00	109+50	110+00	110+50	111+00	111+50	112+00	112+50	113+00
383.42	383.25	382.86 383.21	381.89 383.28	381.20 383.35	383.06 383.43	383.31	383.20	383.18
USER NAME = breanna.frahm		DESIGNED -	REVISED - 5/22/2023	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		WESTERN CROSSOVER PLAN AND PROFILE SHEETS		F.A.P. RTE. 331
PLOT SCALE = 40,0000 ' / in.		DRAWN -	REVISED -					SECTION (12-1)BRR-1
PLOT DATE = 5/22/2023		CHECKED -	REVISED -					COUNTY JACKSON
		DATE -	REVISED -					TOTAL SHEETS 22
								SHEET NO. 11
								CONTRACT NO. 78A11
								ILLINOIS FED. AID PROJECT



MODEL: EAST
FILE NAME: I:\0222064 - IDOT PTB 203 Item 49 District 9 VAV222064.007 - IL 13 over Blg Huddy\CAADD\Microstation\CADD Drawings\0222064.007-IL13-Intersect.dgn



OATES
ASSOCIATES
www.oatesassociates.com

ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = ryne.wiltjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/11/2023	DATE -	REVISED -

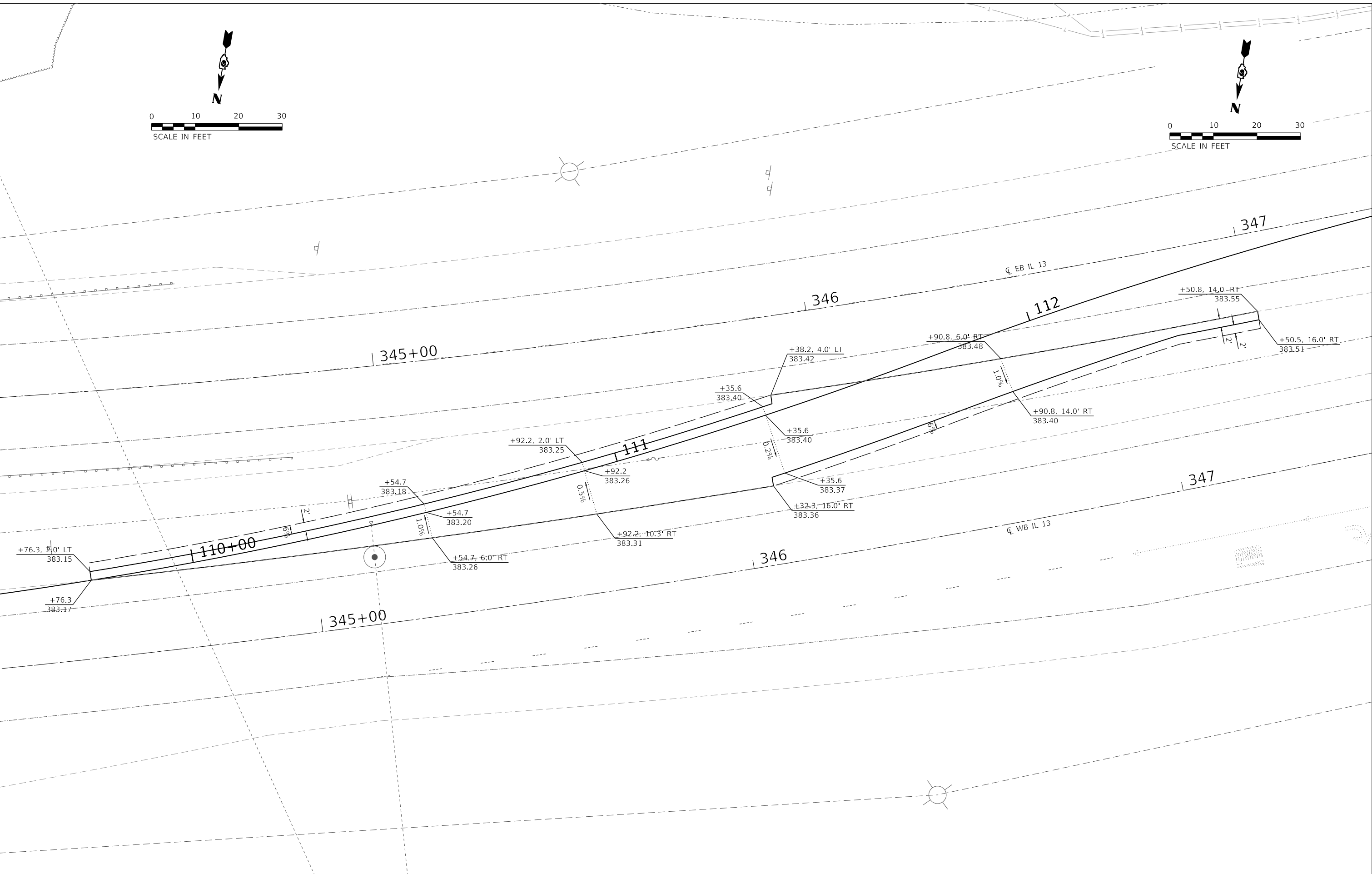
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EASTERN CROSSOVER
WARPING DETAILS

SCALE: 1"=10' SHEET 1 OF 2 SHEETS STA. 100+64.4 TO STA. 102+20.3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	12
CONTRACT NO. 78A11				
ILLINOIS FED. AID PROJECT				

MODEL: WEST
FILE NAME: I:\V\222064 - IDOT PTB 203 Item 49 District 9 V\222064.007 - IL 13 over Blg Huddy\CAADD\Microstation\CADD Drawings\222064.007-IL13-Intersect.dgn





OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = rylene.wiltjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/11/2023	DATE -	REVISED -

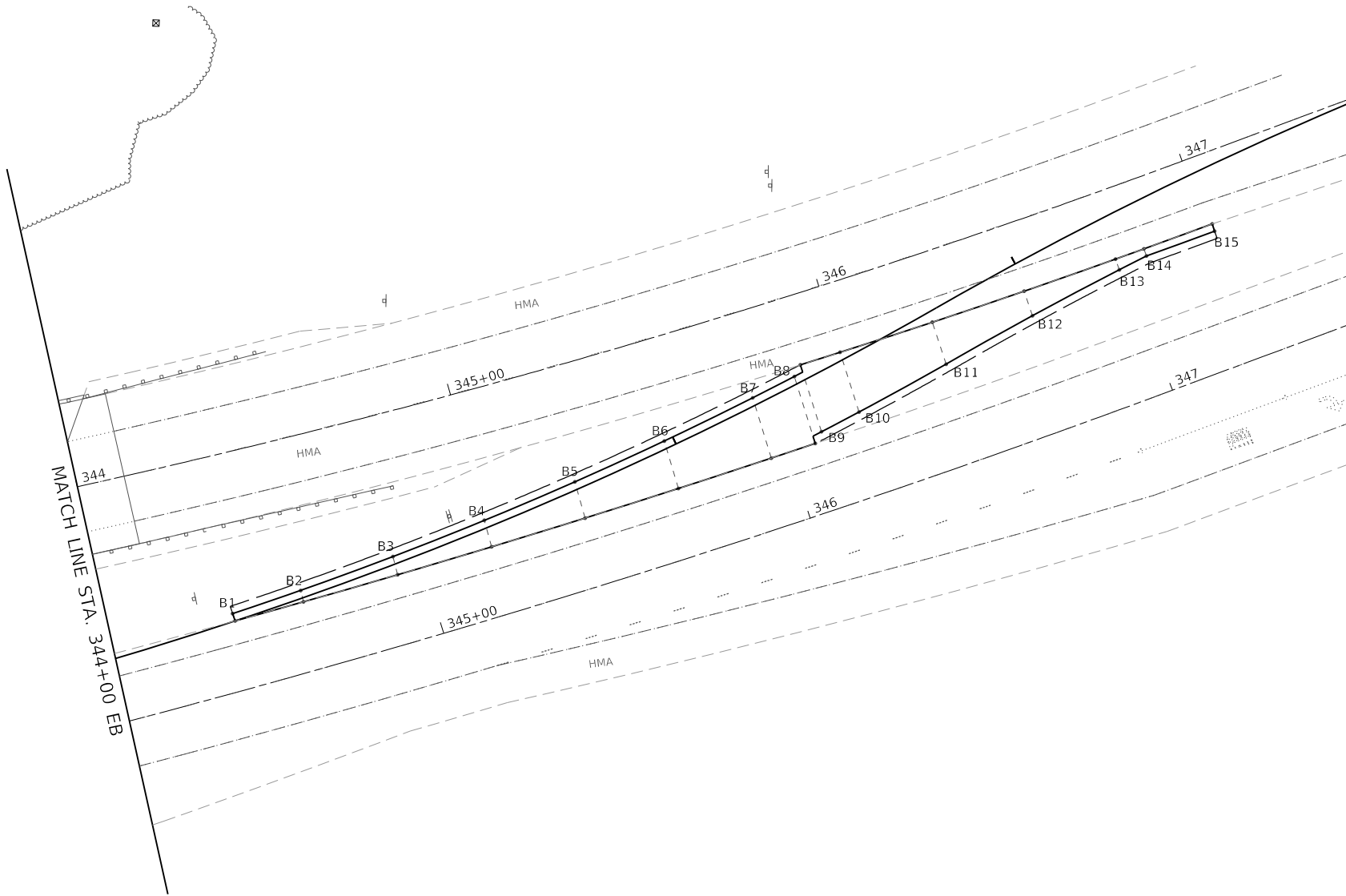
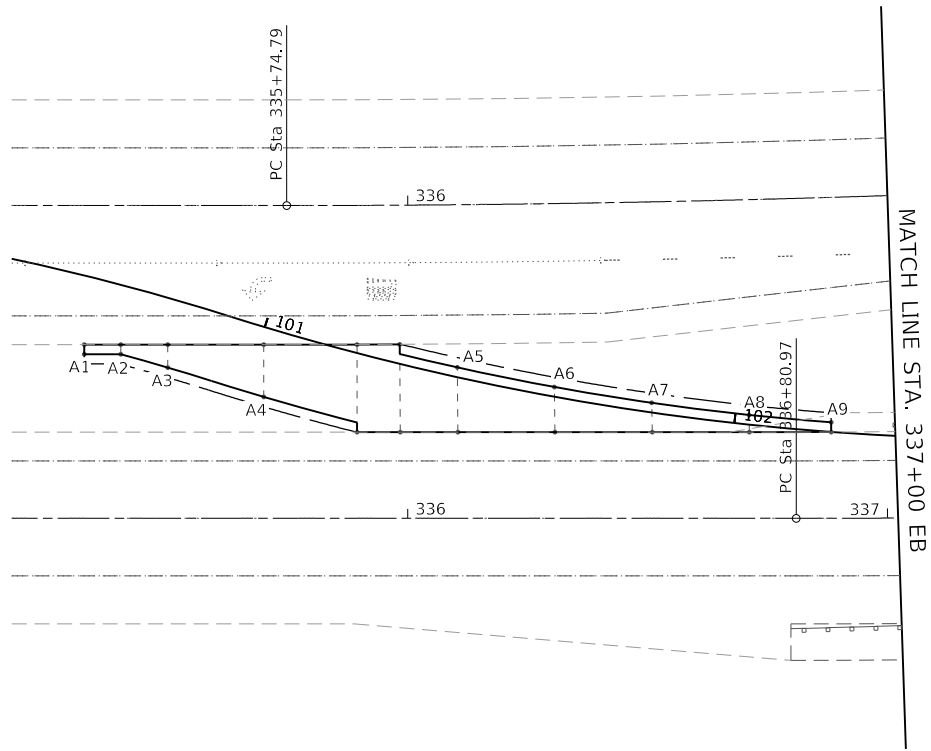
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WESTERN CROSSOVER
WARPING DETAILS

SCALE: 1"=10' SHEET 2 OF 2 SHEETS STA. 109+76.3 TO STA. 112+50.8

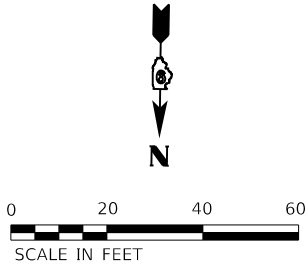
F.A.P. RTE. 331	SECTION (12-1)BRR-1	COUNTY JACKSON	TOTAL SHEETS 22	SHEET NO. 13
CONTRACT NO. 78A11				
		ILLINOIS	FED. AID PROJECT	

MODEL Default
FILE Name: I:\0222064 - IDOT P1B 203 Item 49 District 9 VAV222064.007 - IL 13 over Blg Muddy CADD\Microstation\CADD Drawings\0222064.007-sht-offsets.dgn



IL 13 EB STATION	POINT NUMBER	E.O.P. LEFT		POINT NUMBER	E.O.P. RIGHT	
		OFFSET (FT)	ELEVATION		OFFSET (FT)	ELEVATION
335+32.61		29.00' RT	ME	A1	31.00' RT	382.45
335+40.21		29.00' RT	ME	A2	31.00' RT	382.46
335+50.00		29.00' RT	ME	A3	33.77' RT	382.52
335+70.00		29.00' RT	ME	A4	39.86' RT	382.67
335+89.28		29.00' RT	ME		47.23' RT	ME
335+98.14		29.00' RT	ME		47.27' RT	ME
336+10.00	A5	33.89' RT	382.87		47.37' RT	ME
336+30.00	A6	38.22' RT	382.88		47.61' RT	ME
336+50.00	A7	41.87' RT	382.88		47.96' RT	ME
336+70.00	A8	44.86' RT	382.89		48.41' RT	ME
336+86.86	A9	46.87' RT	382.90		48.88' RT	ME
BRIDGE OMISSION						
344+31.80	B1	41.22' RT	383.15		43.22' RT	ME
344+50.00	B2	39.51' RT	383.16		42.57' RT	ME
344+75.00	B3	36.83' RT	383.17		41.72' RT	ME
345+00.00	B4	33.80' RT	383.18		40.93' RT	ME
345+25.00	B5	30.40' RT	383.21		40.21' RT	ME
345+50.00	B6	26.64' RT	383.27		39.54' RT	ME
345+75.00	B7	22.51' RT	383.36		38.94' RT	ME
345+86.89	B8	20.42' RT	383.40		38.68' RT	ME
345+89.25		18.00' RT	ME	B9	36.25' RT	383.37
346+00.00		18.00' RT	ME	B10	34.29' RT	383.38
346+25.00		18.00' RT	ME	B11	29.49' RT	383.39
346+50.00		18.00' RT	ME	B12	24.76' RT	383.41
346+75.00		18.00' RT	ME	B13	20.98' RT	383.46
346+82.86		18.00' RT	ME	B14	20.00' RT	383.47
347+01.64		18.00' RT	ME	B15	20.00' RT	383.51

NOTE:
THE CONTRACTOR SHALL CONSTRUCT THIS MEDIAN CROSSOVER USING
THE ELEVATION AND OFFSET DATA TABLE FOUND ON THIS SHEET. VALUES
SHOWN ARE BASED ON THE ORIGINAL ROADWAY PLANS. CONTRACTOR MAY
MAKE MINOR ADJUSTMENTS IN THE FIELD AS APPROVED BY THE ENGINEER.



USER NAME = ryne.wiltjes	DESIGNED -
	DRAWN -
PLOT SCALE = 40.0000 ' / in.	CHECKED -
PLOT DATE = 5/11/2023	DATE -

REVISED -
REVISED -
REVISED -
REVISED -

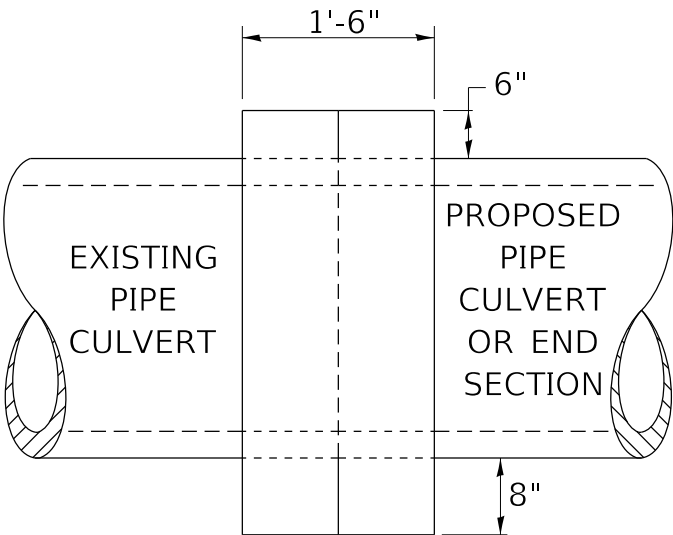
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELEVATION AND OFFSET DATA

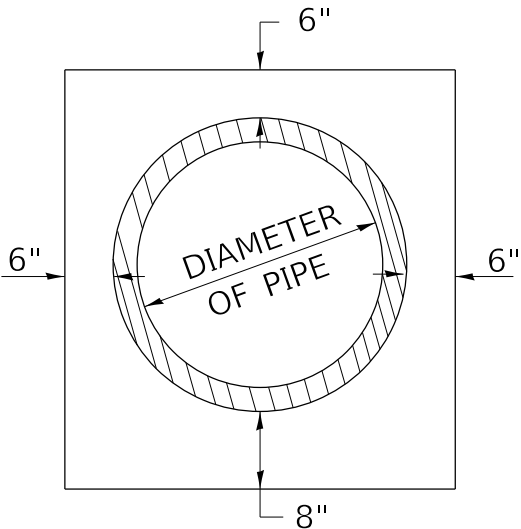
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	14
CONTRACT NO. 78A11				
ILLINOIS FED. AID PROJECT				

CONCRETE COLLAR
PIPE TO PIPE



SIDE VIEW



END VIEW

TABULATION

DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.24
15"	0.29
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE COLLAR, AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

REVISIONS

DRAWN	7-13-90
REVISED	8-22-94
REVISED	3-26-08
REVISED	5-17-13
REVISED	10-21-21

STD. 9-79

MODEL Default
FILE Name: I:\0222064 - IDOT P1B 203 Item 49 District 9 VAV222064.007 - IL 13 over Big Hussy\CADD\Microstation\CADD Drawings\0222064.007-sht-coll.dgn



OATES
ASSOCIATES
www.oatesassociates.com

ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = rylene.wiltjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/11/2023	DATE -	REVISED -

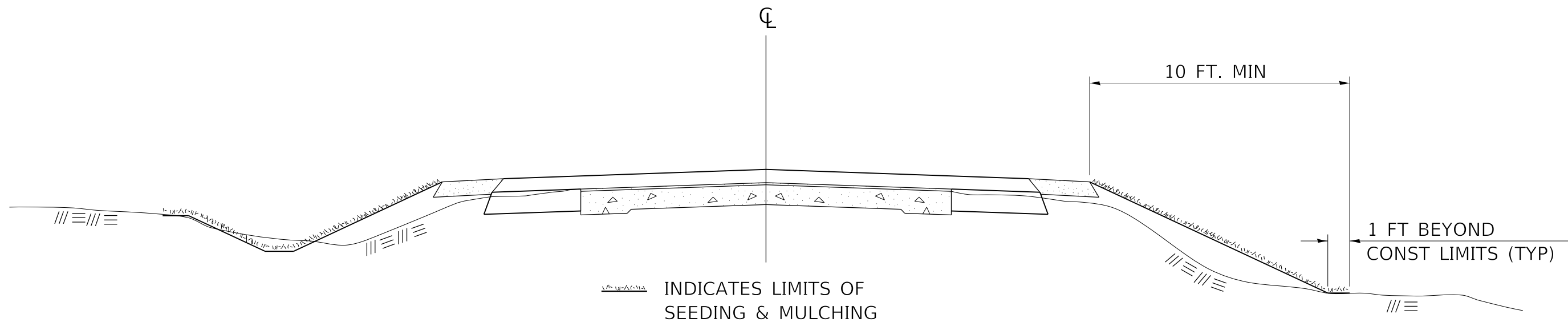
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE COLLAR
CONSTRUCTION DETAILS

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	15
CONTRACT NO. 78A11				
ILLINOIS FED. AID PROJECT				

SEEDING & MULCHING



GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS.
LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS

REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08
REVISED	5-16-13
REVISED	10-21-21

STD. 9-12

MODEL Default
FILE Name: I:\0222064 - IDOT P1B 203 Item 49 District 9 VAV222064.007 - IL 13 over Big Muddy\CADD\Microstation\CADD Drawings\0222064.007-shd-deta-ill.dgn



USER NAME = ryne.wiltjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/11/2023	DATE -	REVISED -

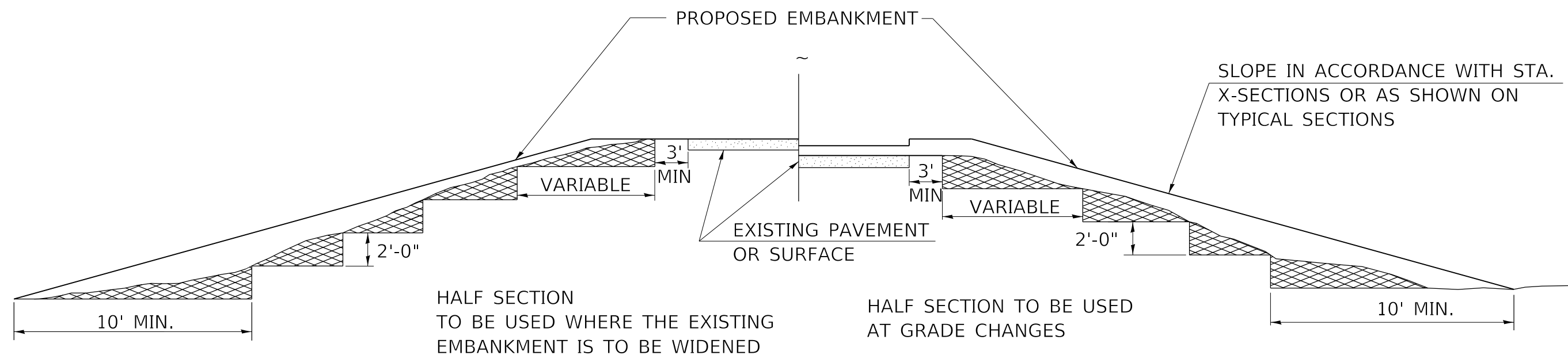
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEEDING & MULCHING
CONSTRUCTION DETAIL

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	16
CONTRACT NO. 78A11				
ILLINOIS FED. AID PROJECT				

TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



STEPS SHALL BE CUT IN THE EXISTING SLOPE IN ACCORDANCE WITH ART. 205.03 EXCEPT THAT THE REQUIREMENT THAT STEPS SHALL BE CUT INTO THE EXISTING SLOPE BEFORE THE CONTRUCTION OF THE EXISTING EMBANKMENT IS STARTED SHALL NOT APPLY. MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

REVISIONS

REDRAWN	2-15-89
REVISED	8-15-94
CHECKED	6-3-99
RESIZED	5-7-08
REVIEWED	5-17-13
REVISED	4-22-21
REVISED	10-21-21

STD. 9-16

MODEL Default
FILE Name: I:\0222064 - IDOT P1B 203 Item 49 District 9 VAV222064.007 - IL 13 over Big Muddy\CADD\Microstation\CADD Drawings\0222064.007-stb-detail.dgn
11/12/2024 10:02:20 AM



USER NAME = rylene.wiltjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/12/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

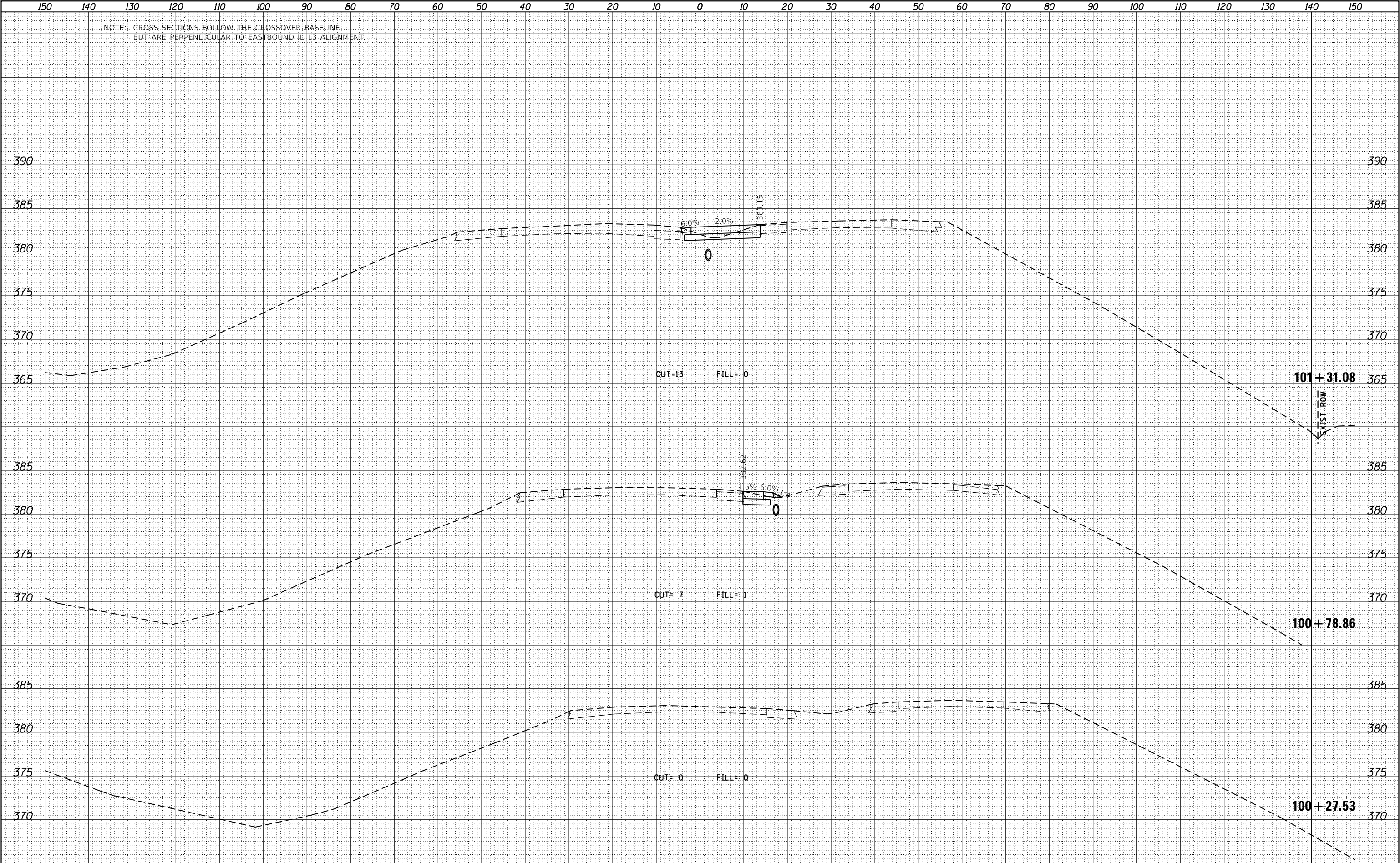
STEP CONSTRUCTION ON EXISTING FILL CONSTRUCTION DETAIL

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(12-1)BRR-1	JACKSON	22	17
CONTRACT NO. 78A11				
ILLINOIS FED. AID PROJECT				

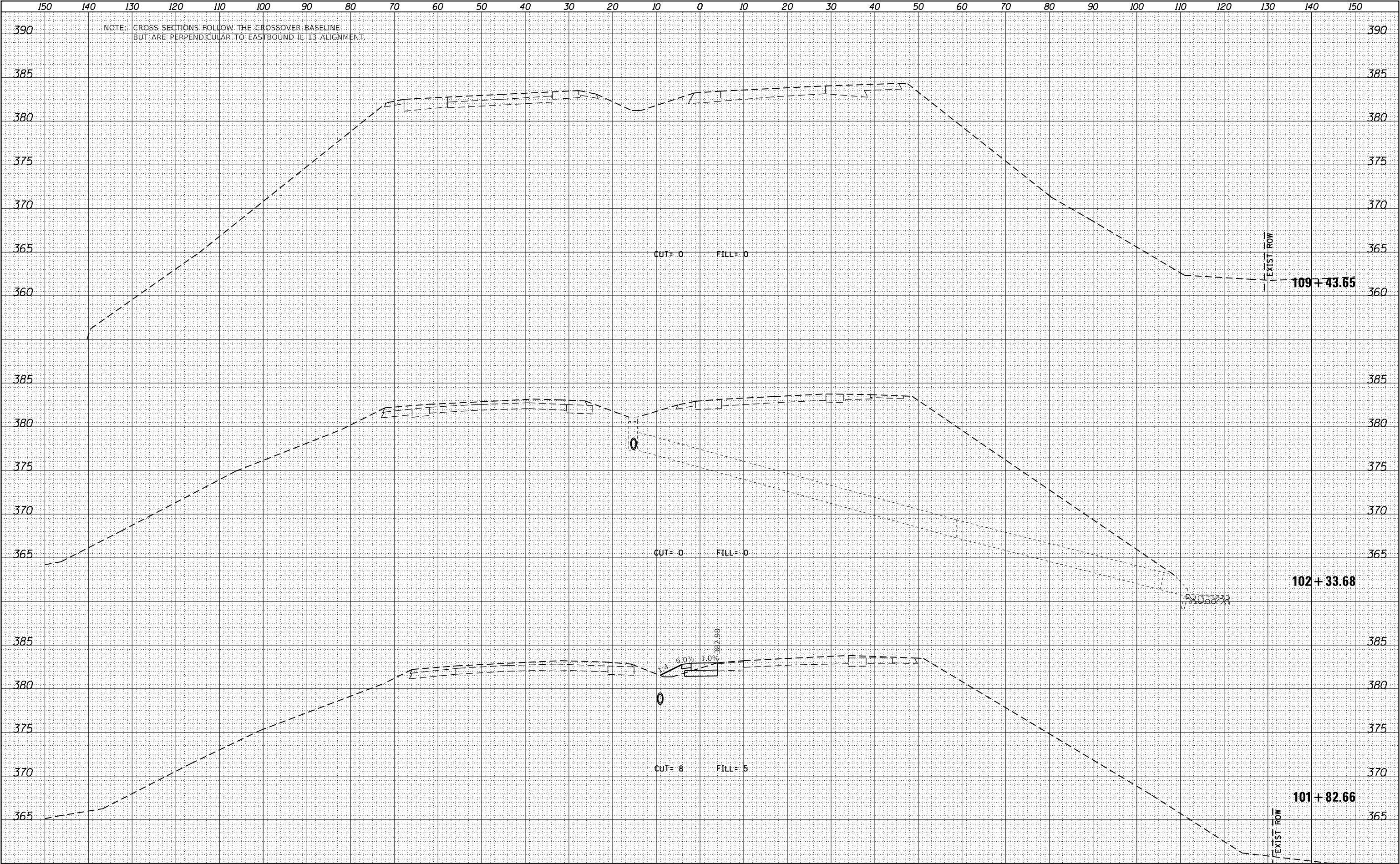
FINAL SURVEY	NO.	SURVEYED PLOTTED NOTE BOOK	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED NOTE BOOK	BY	DATE



DATE	BY	SURVEYED	NO.
		PLOTTED	
		TEMPLATE	
		AREAS	CHECKED
		NO.	

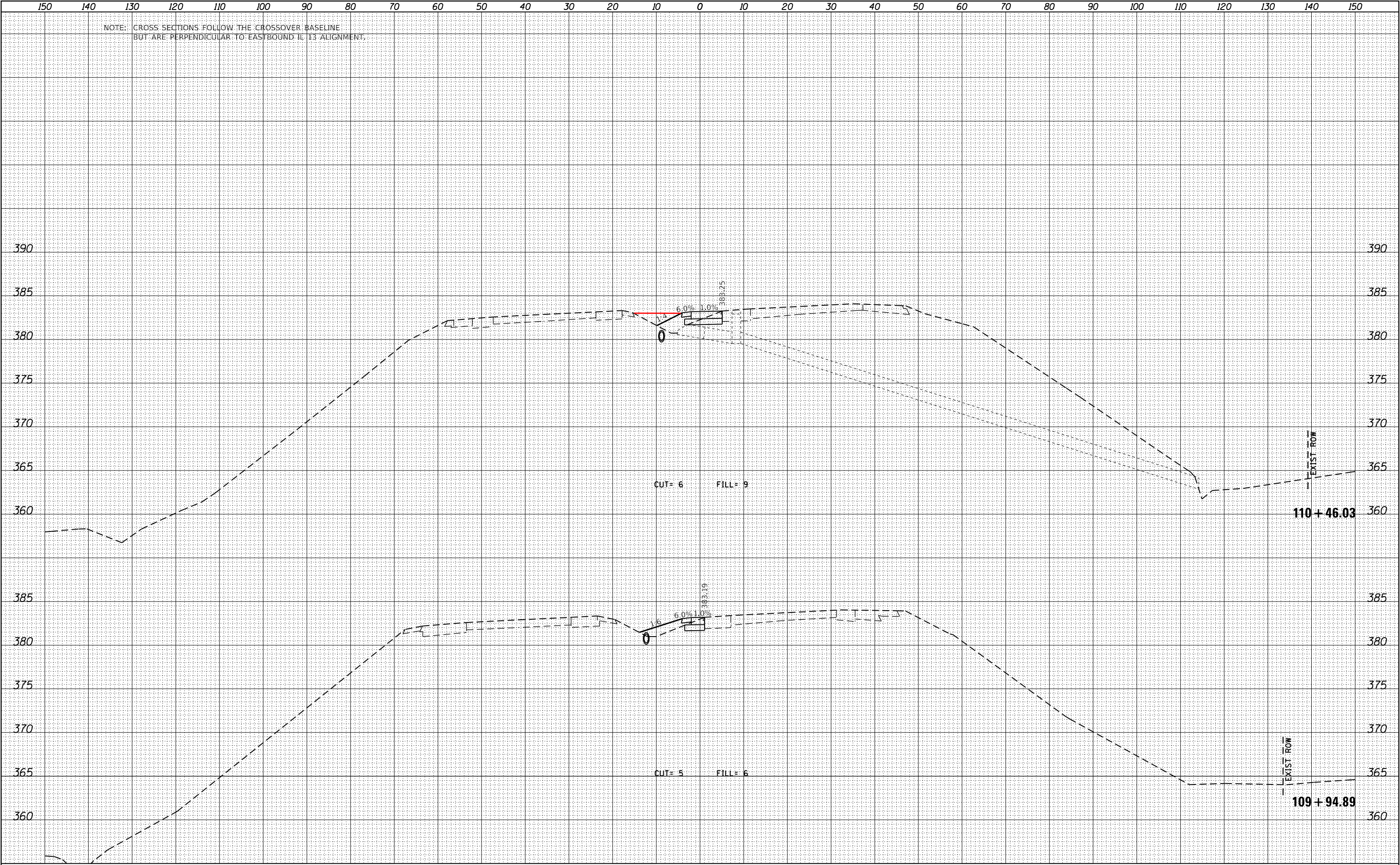
DATE	BY	SURVEYED	NO.
		PLOTTED	
		TEMPLATE	
		AREAS	CHECKED
		NO.	



FILE NAME =	USER NAME = ryne.wirtjes	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				STAGING CROSS SECTION SHEETS IL RTE 13 OVER BIG MUDDY RIVER				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D9222064.007-sht-xsec.dgn	PLOT TIME = 2:27:30 PM	DRAWN -	REVISED -									331	(12-1)BRR-1	JACKSON	22	19
	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -												CONTRACT NO.	78A11
	PLOT DATE = 5/11/2023	DATE -	REVISED -												ILLINOIS FED. AID PROJECT	
								SCALE:	SHEET NO. 2 OF 5 SHEETS	STA. 101+82.66 TO STA. 109+43.65						

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS	CHECKED	

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS	CHECKED	



FILE NAME =	USER NAME = ryne.wirtjes	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				STAGING CROSS SECTION SHEETS IL RTE 13 OVER BIG MUDDY RIVER				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D9222064.007-shr-xsec.dgn		PLOT TIME = 2:27:31 PM	REVISED -									331	(12-1)BRR-1	JACKSON	22	20
		PLOT SCALE = 20.0000' / in.	CHECKED -											CONTRACT NO.	78A11	
		PLOT DATE = 5/11/2023	DATE -											ILLINOIS FED. AID PROJECT		
				SCALE:				SHEET NO. 3 OF 5 SHEETS		STA. 109+94.89 TO STA. 110+46.03						

ORIGINAL SURVEY		BY	DATE
NOTE BOOK			
	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO. _____	AREAS CHECKED		

FINAL SURVEY	NO.	SURVEYED	BY	DATE	PLOTTED	TEMPLATE	AREAS	CHECKED

ORIGINAL SURVEY	NO.	SURVEYED	BY	DATE	PLOTTED	TEMPLATE	AREAS	CHECKED

